

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : FORT MEADE MD TIPTON AIRFIELD PARCEL RI - 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : Q1569

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1569

Project ID : Fort Meade MD Tipton Airfield Parcel RI - 0111169

Client : Weston Solutions

Lab Sample Number

Q1569-01
Q1569-02
Q1569-04
Q1569-05

Client Sample Number

TAP-IDW-SOIL-031325-01
TAP-IDW-SOIL-031325-01
TAP-IDW-SOIL-031325-02
TAP-IDW-SOIL-031325-02

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 3:24 pm, Mar 27, 2025

Date: 3/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

Project Name: Fort Meade MD Tipton Airfield Parcel RI - 0111169

Project # N/A

Chemtech Project # Q1569

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 03/14/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

F. Calculation for Concentration in Water Samples:

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

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.

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:24 pm, Mar 27, 2025

Signature _____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1569

MATRIX: TCLP

METHOD: 8081B/3510/1311

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:24 pm, Mar 27, 2025

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1569

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: MOHAMMAD AHMED

Date: 03/25/2025

LAB CHRONICLE

OrderID:	Q1569	OrderDate:	3/14/2025 10:44:00 AM
Client:	Weston Solutions	Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169
Contact:	Nathan Fretz	Location:	I31,I33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1569-01	TAP-IDW-SOIL-03132 5-01	SOIL			03/13/25			03/14/25
			PCB	8082A		03/14/25	03/14/25	
Q1569-02	TAP-IDW-SOIL-03132 5-01	TCLP			03/13/25			03/14/25
			TCLP Pesticide	8081B		03/19/25	03/19/25	
Q1569-04	TAP-IDW-SOIL-03132 5-02	SOIL			03/13/25			03/14/25
			PCB	8082A		03/14/25	03/14/25	
Q1569-05	TAP-IDW-SOIL-03132 5-02	TCLP			03/13/25			03/14/25
			TCLP Pesticide	8081B		03/19/25	03/19/25	

Hit Summary Sheet
SW-846

SDG No.: Q1569

Order ID: Q1569

Client: Weston Solutions

Project ID: Fort Meade MD Tipton Airfield Parcel

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.: Q1569

Client: Weston Solutions

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		30	135
		Tetrachloro-m-xylene	1	20	20.6	103		44	124
		Decachlorobiphenyl	2	20	21.0	105		30	135
		Tetrachloro-m-xylene	2	20	20.2	101		44	124
I.BLK-PL094737.D	PIBLK-PL094737.D	Decachlorobiphenyl	1	20	18.6	93		30	135
		Tetrachloro-m-xylene	1	20	18.8	94		44	124
		Decachlorobiphenyl	2	20	14.5	73		30	135
		Tetrachloro-m-xylene	2	20	19.1	95		44	124
PB167215BL	PB167215BL	Decachlorobiphenyl	1	20	22.6	113		30	135
		Tetrachloro-m-xylene	1	20	19.3	96		44	124
		Decachlorobiphenyl	2	20	17.4	87		30	135
		Tetrachloro-m-xylene	2	20	21.5	107		44	124
PB167215BS	PB167215BS	Decachlorobiphenyl	1	20	22.9	114		30	135
		Tetrachloro-m-xylene	1	20	21.2	106		44	124
		Decachlorobiphenyl	2	20	18.7	94		30	135
		Tetrachloro-m-xylene	2	20	22.6	113		44	124
PB167133TB	PB167133TB	Decachlorobiphenyl	1	20	22.3	111		30	135
		Tetrachloro-m-xylene	1	20	20.5	103		44	124
		Decachlorobiphenyl	2	20	18.3	92		30	135
		Tetrachloro-m-xylene	2	20	21.8	109		44	124
Q1569-02	TAP-IDW-SOIL-031325-01	Decachlorobiphenyl	1	20	25.0	125		30	135
		Tetrachloro-m-xylene	1	20	21.2	106		44	124
		Decachlorobiphenyl	2	20	22.3	112		30	135
		Tetrachloro-m-xylene	2	20	22.4	112		44	124
Q1569-02MS	TAP-IDW-SOIL-031325-01MS	Decachlorobiphenyl	1	20	24.2	121		30	135
		Tetrachloro-m-xylene	1	20	21.8	109		44	124
		Decachlorobiphenyl	2	20	22.3	111		30	135
		Tetrachloro-m-xylene	2	20	21.2	106		44	124
Q1569-02MSD	TAP-IDW-SOIL-031325-01MSD	Decachlorobiphenyl	1	20	23.1	116		30	135
		Tetrachloro-m-xylene	1	20	20.0	100		44	124
		Decachlorobiphenyl	2	20	20.7	103		30	135
		Tetrachloro-m-xylene	2	20	19.7	99		44	124
Q1569-05	TAP-IDW-SOIL-031325-02	Decachlorobiphenyl	1	20	26.2	131		30	135
		Tetrachloro-m-xylene	1	20	20.7	104		44	124
		Decachlorobiphenyl	2	20	22.8	114		30	135
		Tetrachloro-m-xylene	2	20	22.6	113		44	124
I.BLK-PL094750.D	PIBLK-PL094750.D	Decachlorobiphenyl	1	20	19.4	97		30	135
		Tetrachloro-m-xylene	1	20	17.8	89		44	124
		Decachlorobiphenyl	2	20	17.7	89		30	135
		Tetrachloro-m-xylene	2	20	18.0	90		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1569

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PL094744.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TAP-IDW-SOIL-031325-01MS									
Q1569-02MS	gamma-BHC (Lindane)	5	0	5.80	ug/L	116		59	134	
	Heptachlor	5	0	5.20	ug/L	104		54	130	
	Heptachlor epoxide	5	0	5.80	ug/L	116		61	133	
	Endrin	5	0	5.80	ug/L	116		60	138	
	Methoxychlor	5	0	5.40	ug/L	108		54	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1569

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PL094745.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: TAP-IDW-SOIL-031325-01MSD												
Q1569-02MSD	gamma-BHC (Lindane)	5	0	5.30	ug/L	106		9		59	134	20
	Heptachlor	5	0	4.80	ug/L	96		8		54	130	20
	Heptachlor epoxide	5	0	5.30	ug/L	106		9		61	133	20
	Endrin	5	0	5.20	ug/L	104		11		60	138	20
	Methoxychlor	5	0	5.00	ug/L	100		8		54	145	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1569

Client: Weston Solutions

Analytical Method: **8081B**

Datafile : PL094740.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167215BS	gamma-BHC (Lindane)	0.5	0.53	ug/L	105				59	134	
	Heptachlor	0.5	0.49	ug/L	98				54	130	
	Heptachlor epoxide	0.5	0.52	ug/L	104				61	133	
	Endrin	0.5	0.49	ug/L	98				60	138	
	Methoxychlor	0.5	0.48	ug/L	96				54	145	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167215BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: Q1569

SAS No.: Q1569 SDG NO.: Q1569

Lab Sample ID: PB167215BL

Lab File ID: PL094739.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/19/2025

Date Analyzed (1): 03/19/2025

Date Analyzed (2): 03/19/2025

Time Analyzed (1): 16:27

Time Analyzed (2): 16:27

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
PB167215BS	PB167215BS	PL094740.D	03/19/2025	03/19/2025
PB167133TB	PB167133TB	PL094741.D	03/19/2025	03/19/2025
TAP-IDW-SOIL-031325-01	Q1569-02	PL094743.D	03/19/2025	03/19/2025
TAP-IDW-SOIL-031325-01MS	Q1569-02MS	PL094744.D	03/19/2025	03/19/2025
TAP-IDW-SOIL-031325-01MSD	Q1569-02MSD	PL094745.D	03/19/2025	03/19/2025
TAP-IDW-SOIL-031325-02	Q1569-05	PL094746.D	03/19/2025	03/19/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/19/25
Client Sample ID:	PB167133TB	SDG No.:	Q1569
Lab Sample ID:	PB167133TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094741.D	1	03/19/25 11:40	03/19/25 16:54	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		44 - 124		109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094741.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 16:54
 Operator : AR\AJ
 Sample : PB167133TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167133TB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:05:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	58135202	77650379	20.538	21.755
28) SA Decachlor...	9.052	7.903	46950247	73998942	22.278	18.319

Target Compounds

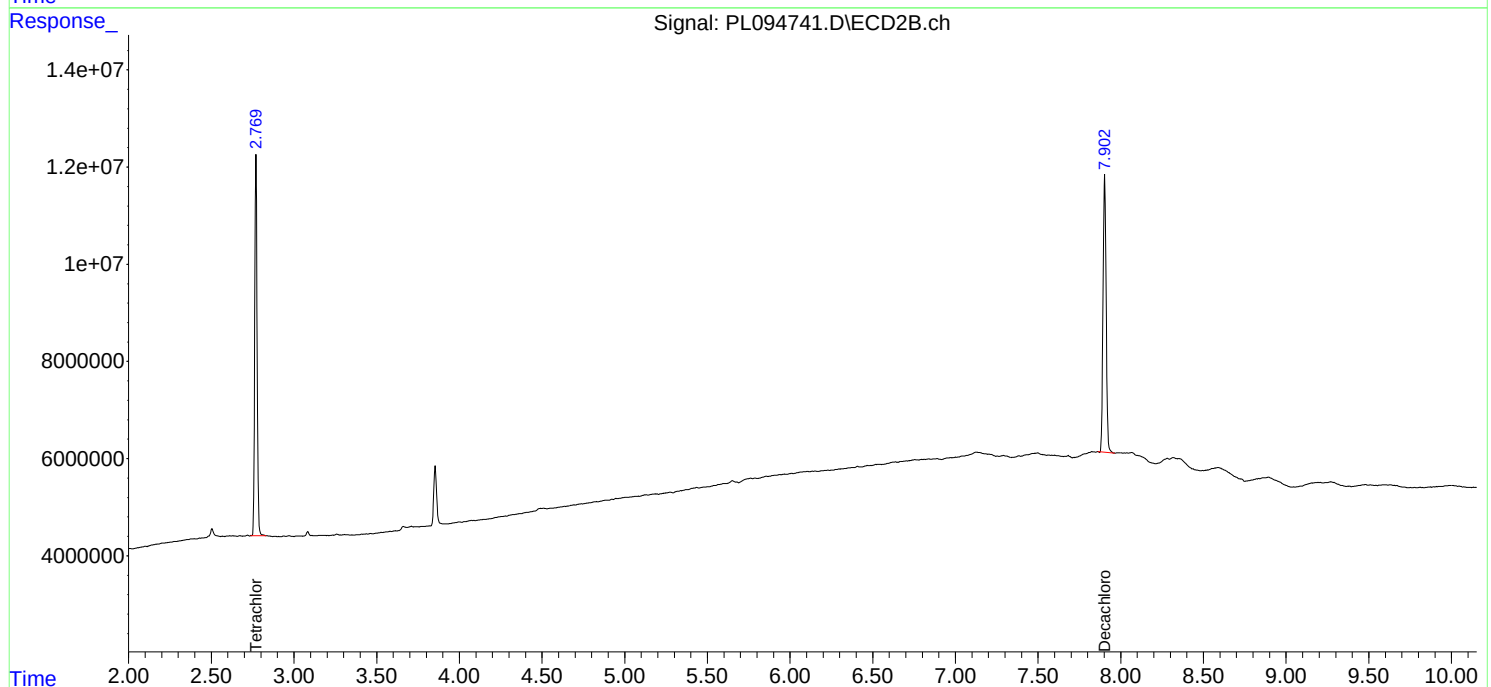
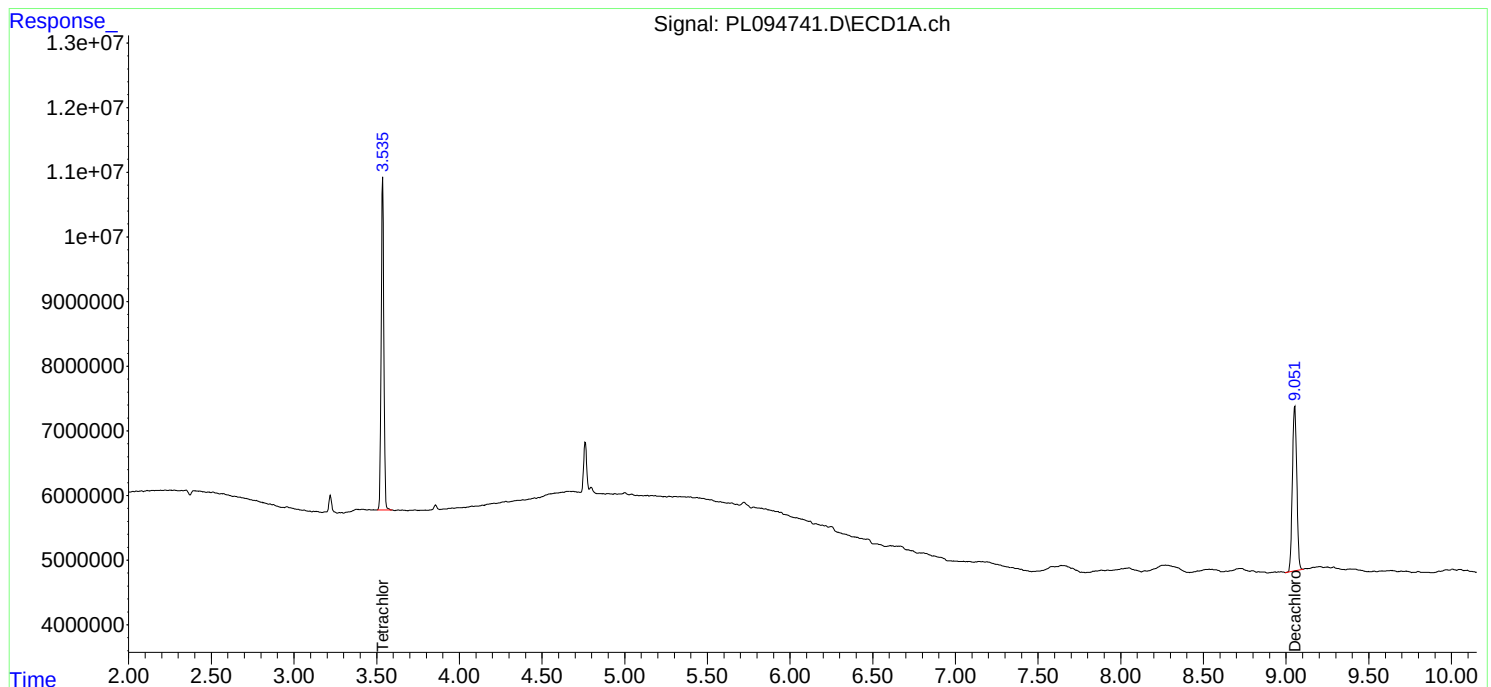
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

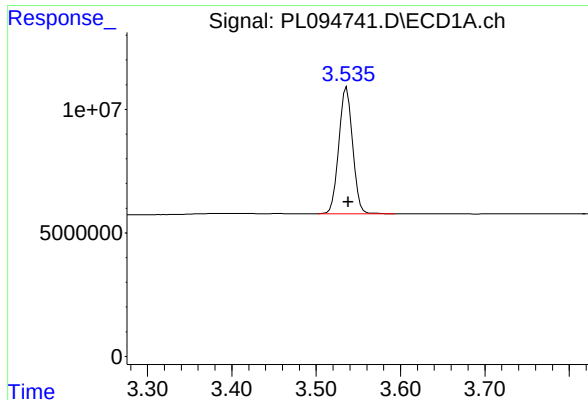
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 16:54
Operator : AR\AJ
Sample : PB167133TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167133TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:05:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

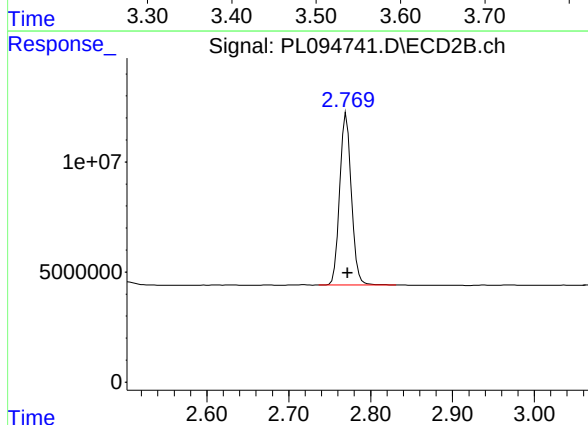




#1 Tetrachloro-m-xylene

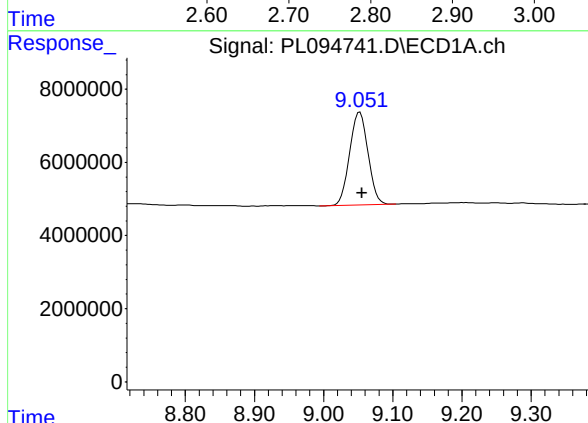
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 58135202
Conc: 20.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167133TB



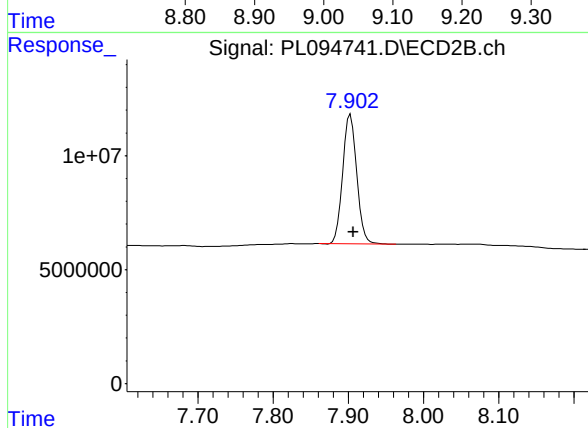
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 77650379
Conc: 21.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 46950247
Conc: 22.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 73998942
Conc: 18.32 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01	SDG No.:	Q1569
Lab Sample ID:	Q1569-02	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094743.D	1	03/19/25 11:40	03/19/25 17:22	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.0		30 - 135		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		44 - 124		112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094743.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 17:22
 Operator : AR\AJ
 Sample : Q1569-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/20/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:06:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.535	2.771	59928279	79789209	21.171m	22.354
28) SA Decachlor...	9.050	7.903	52612277	90254045	24.965	22.344

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:22
Operator : AR\AJ
Sample : Q1569-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

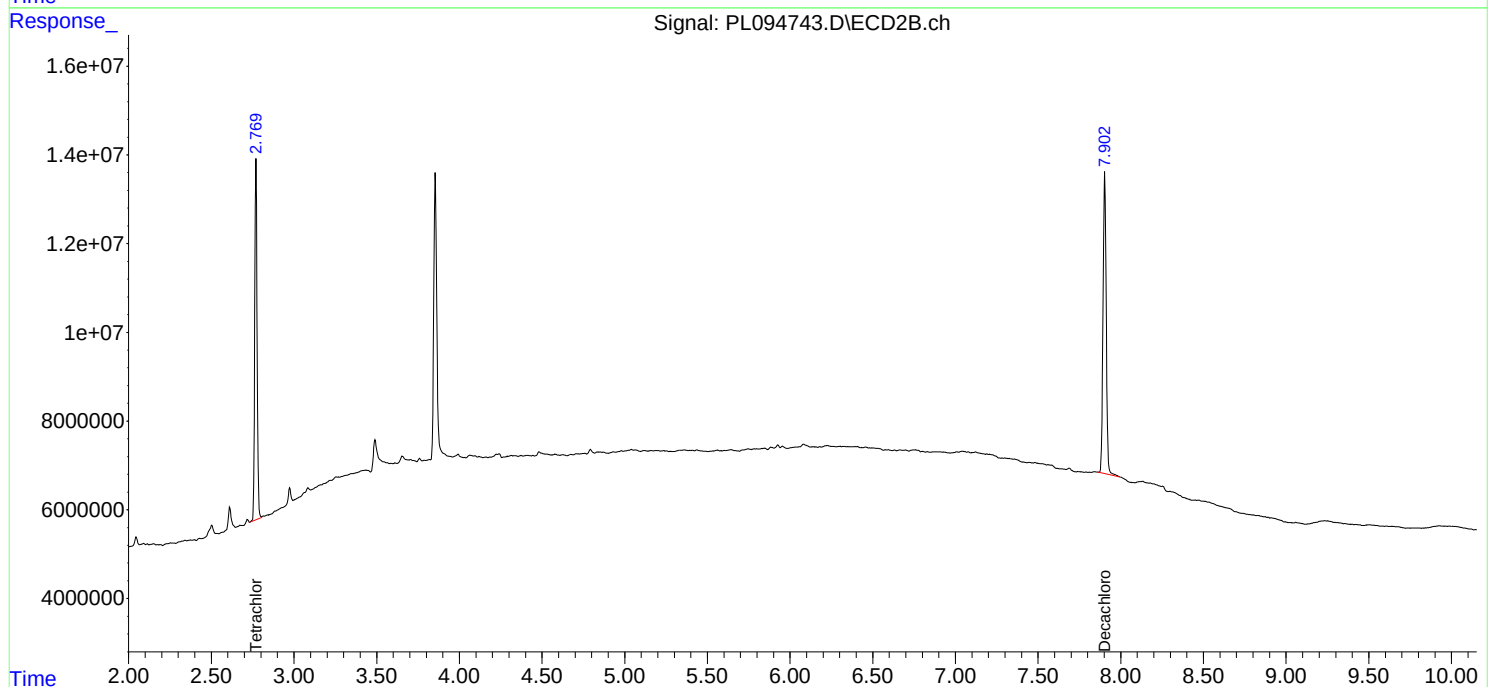
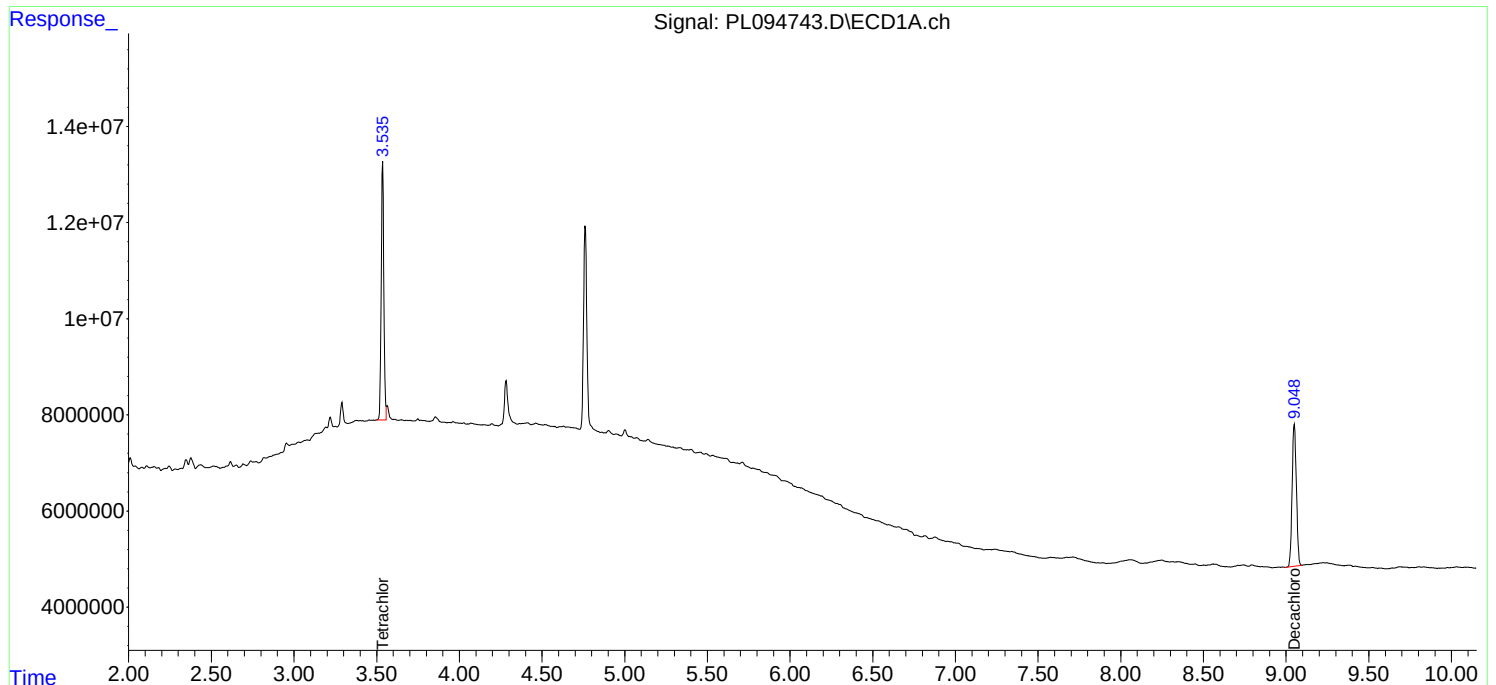
Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01

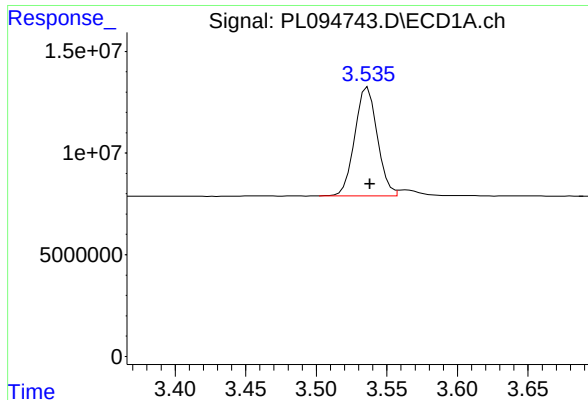
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/20/2025
Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





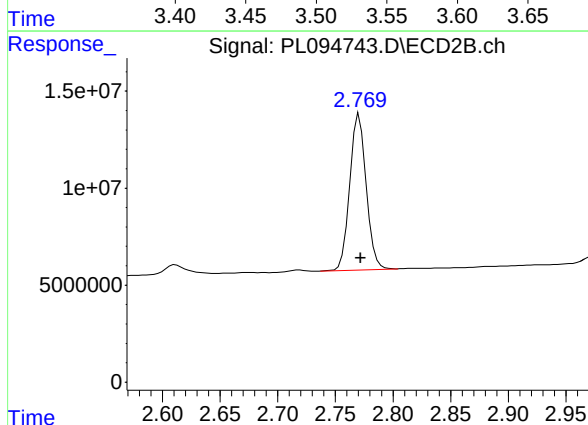
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 59928279
Conc: 21.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01

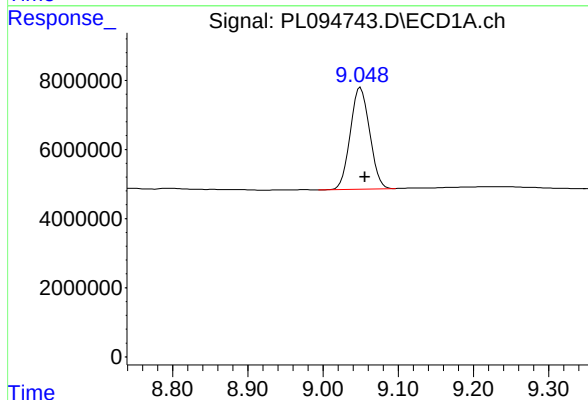
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



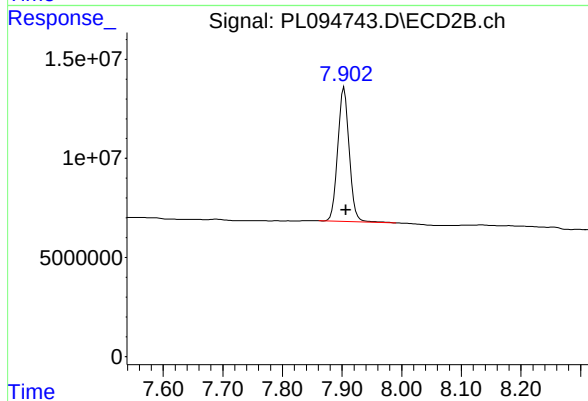
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 79789209
Conc: 22.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 52612277
Conc: 24.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 90254045
Conc: 22.34 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-02	SDG No.:	Q1569
Lab Sample ID:	Q1569-05	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094746.D	1	03/19/25 11:40	03/19/25 18:08	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.10	U	0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	0.10	U	0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.096	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	26.2		30 - 135		131%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		44 - 124		113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094746.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 18:08
 Operator : AR\AJ
 Sample : Q1569-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/20/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:07:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.768	58682326	80722195	20.731	22.616m
28) SA Decachlor...	9.051	7.903	55224840	92240680	26.205	22.835

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 18:08
Operator : AR\AJ
Sample : Q1569-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

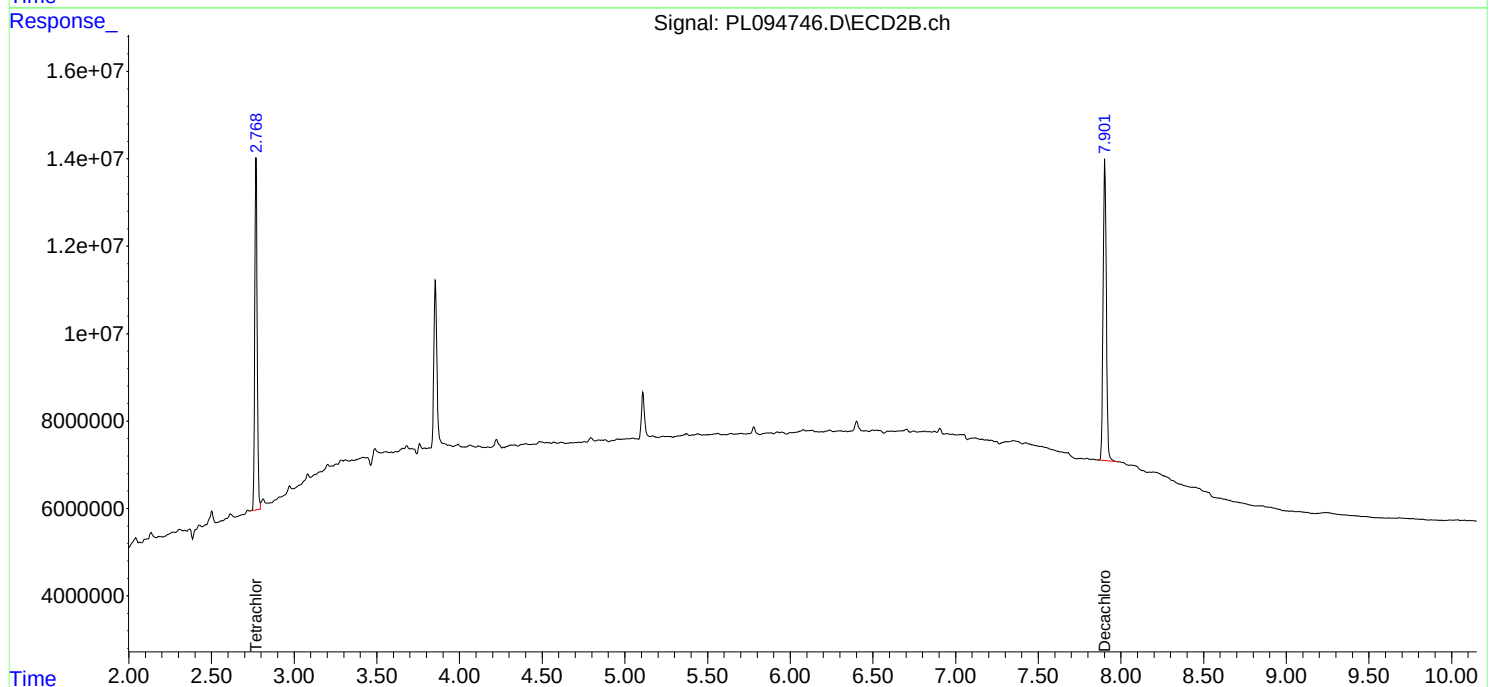
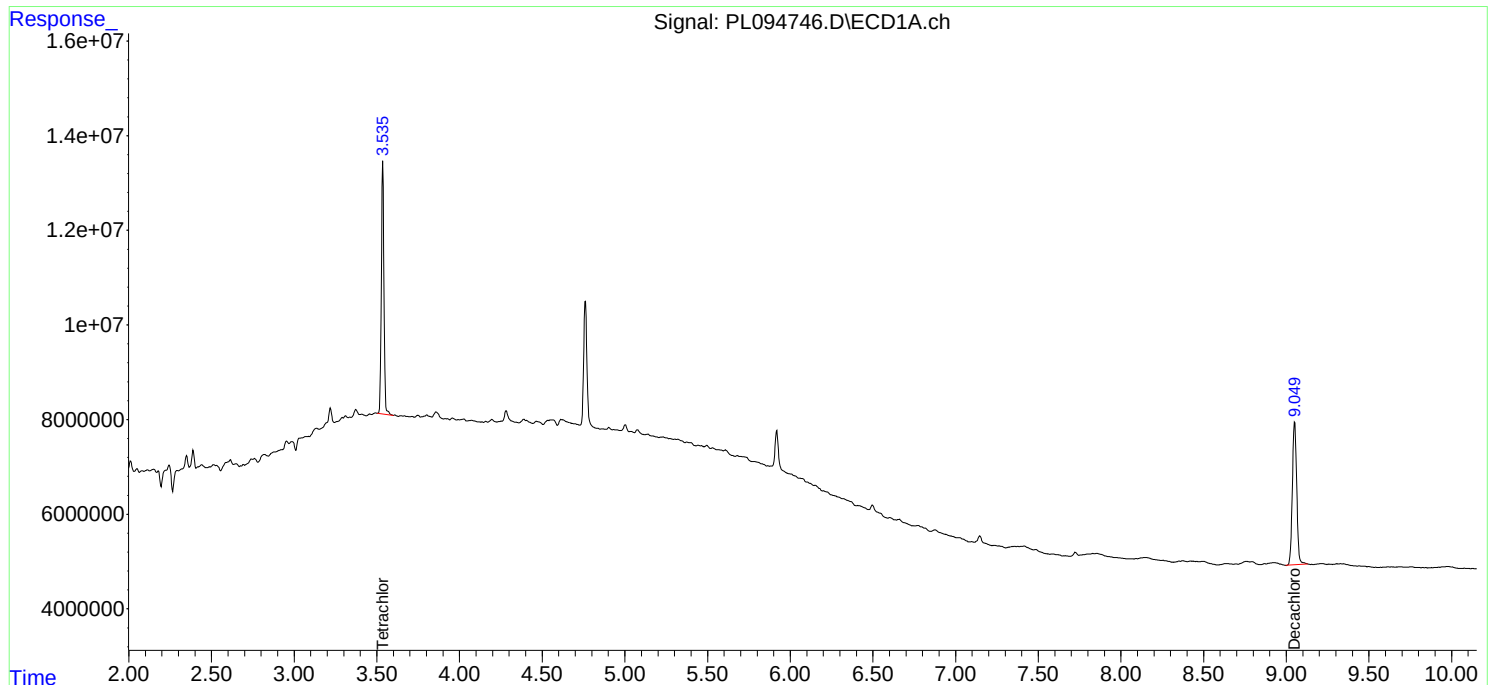
Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02

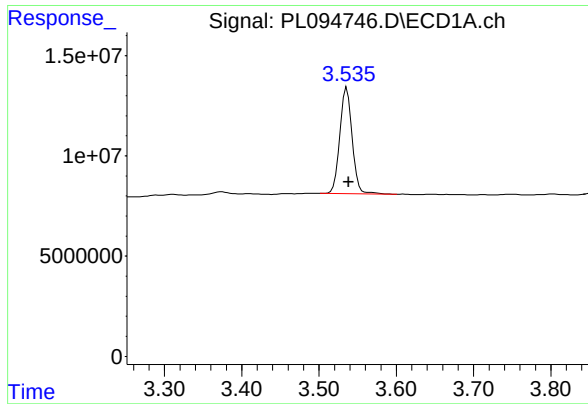
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/20/2025
Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:07:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





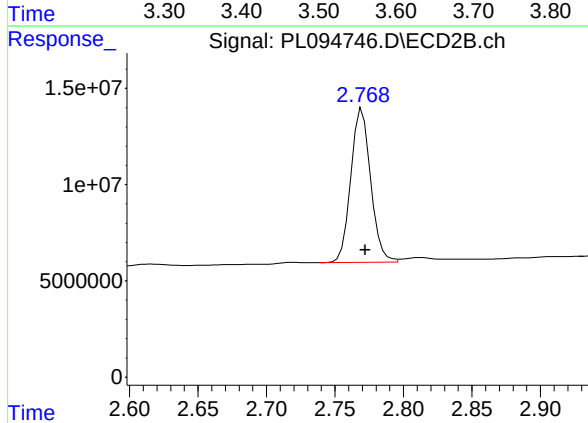
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 58682326
Conc: 20.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02

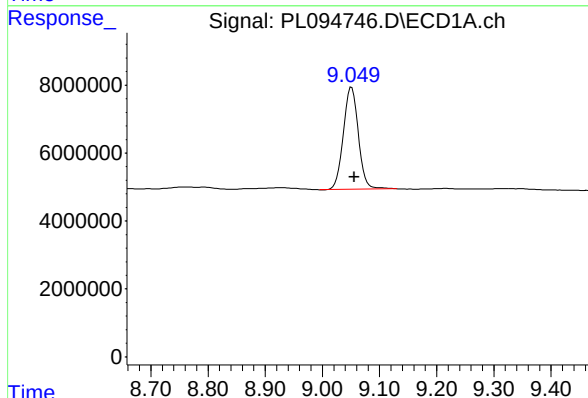
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



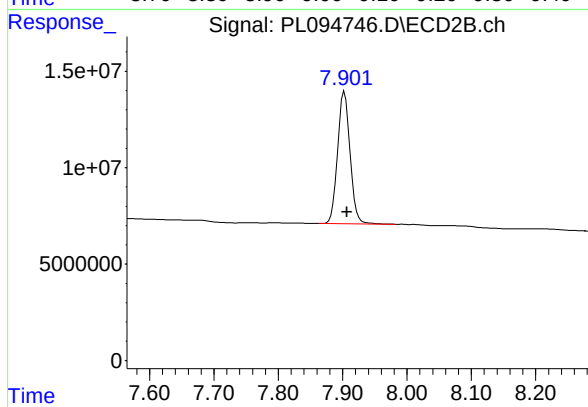
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.003 min
Response: 80722195
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 55224840
Conc: 26.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 92240680
Conc: 22.84 ng/ml



CALIBRATION SUMMARY

1
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1569 **SAS No.:** Q1569 **SDG NO.:** Q1569
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29

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

LAB FILE ID:	RT 100 = <u>PL094569.D</u>	RT 075 = <u>PL094570.D</u>
RT 050 = <u>PL094571.D</u>	RT 025 = <u>PL094572.D</u>	RT 005 = <u>PL094573.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.05	9.06	9.06	9.06	9.05	9.05	8.95	9.15
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.91	4.92	4.92	4.91	4.92	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
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.:** Q1569 **SAS No.:** Q1569 **SDG NO.:** Q1569
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29

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

LAB FILE ID:	RT 100 = <u>PL094569.D</u>	RT 075 = <u>PL094570.D</u>
RT 050 = <u>PL094571.D</u>	RT 025 = <u>PL094572.D</u>	RT 005 = <u>PL094573.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Endrin	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
gamma-BHC (Lindane)	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70
Heptachlor	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.72	4.72	4.73	4.72	4.72	4.72	4.62	4.82
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.77	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.:** Q1569 **SAS No.:** Q1569 **SDG NO.:** Q1569
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL094569.D</u>		CF 075 = <u>PL094570.D</u>			
CF 050 = <u>PL094571.D</u>		CF 025 = <u>PL094572.D</u>		CF 005 = <u>PL094573.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1938960000	1961100000	2020410000	2196220000	2420590000	2107460000	10
Endrin	2585940000	2584670000	2628790000	2810860000	3250100000	2772070000	10
gamma-BHC (Lindane)	3886090000	3824550000	3841420000	4060770000	4338530000	3990270000	5
Heptachlor	3645730000	3661000000	3717820000	3965990000	4417600000	3881630000	8
Heptachlor epoxide	3127680000	3124100000	3197280000	3386170000	3890740000	3345200000	10
Methoxychlor	1109170000	1148450000	1148150000	1275940000	1303650000	1197070000	7
Tetrachloro-m-xylene	2677630000	2681900000	2722740000	2922670000	3148400000	2830670000	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1569 **SAS No.:** Q1569 **SDG NO.:** Q1569
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PL094569.D</u>	CF 075 =	<u>PL094570.D</u>		
CF 050 =	<u>PL094571.D</u>	CF 025 =	<u>PL094572.D</u>	CF 005 =	<u>PL094573.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3950320000	3868520000	3903950000	4095240000	4378770000	4039360000	5
Endrin	4434550000	4325290000	4326060000	4330520000	4401830000	4363650000	1
gamma-BHC (Lindane)	5372230000	5230100000	5132530000	5070750000	4891640000	5139450000	3
Heptachlor	5363060000	5262730000	5228770000	5273220000	5215450000	5268650000	1
Heptachlor epoxide	4619190000	4519300000	4529520000	4593130000	4631780000	4578580000	1
Methoxychlor	2089160000	2085630000	2099350000	2155560000	2175640000	2121070000	2
Tetrachloro-m-xylene	3572520000	3517330000	3502400000	3623970000	3630140000	3569270000	2



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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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	134630000
		2	5.23	5.13	5.33	144652000
		3	5.94	5.84	6.04	464863000
		4	6.02	5.92	6.12	547710000
		5	6.87	6.77	6.97	104488000
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400



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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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	148442000
		2	4.35	4.25	4.45	174676000
		3	4.97	4.87	5.07	522517000
		4	5.04	4.94	5.14	515418000
		5	5.93	5.83	6.03	187177000
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.771	267.8E6	357.3E6	99.165	100.991
28) SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds						
2) A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3) MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4) MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5) MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6) B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7) B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8) B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9) A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10) B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11) B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12) B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13) MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14) MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15) B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16) A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17) MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18) B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19) B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20) A Methoxychlor	7.498	6.606	110.9E6	208.9E6	98.022m	99.757
21) B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22) Mirex	8.115	7.015	184.4E6	365.6E6	96.823m	99.620

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

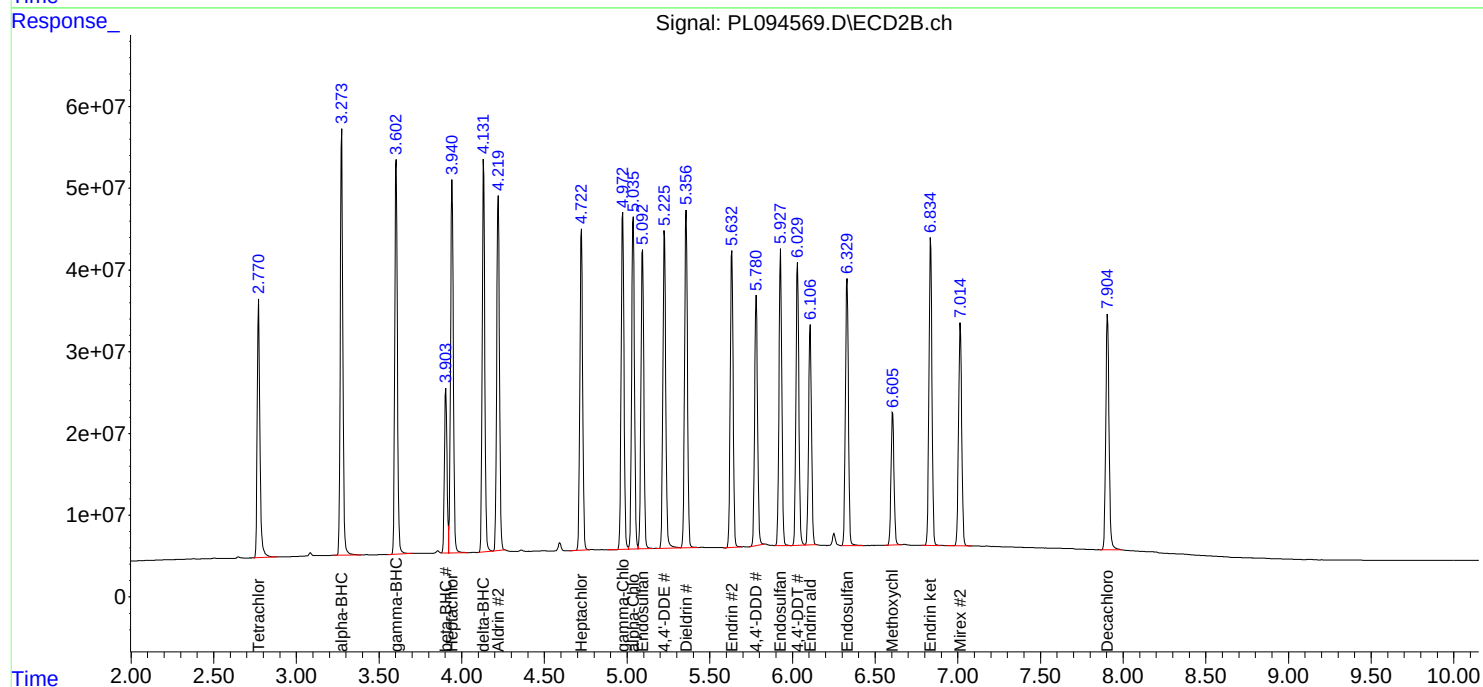
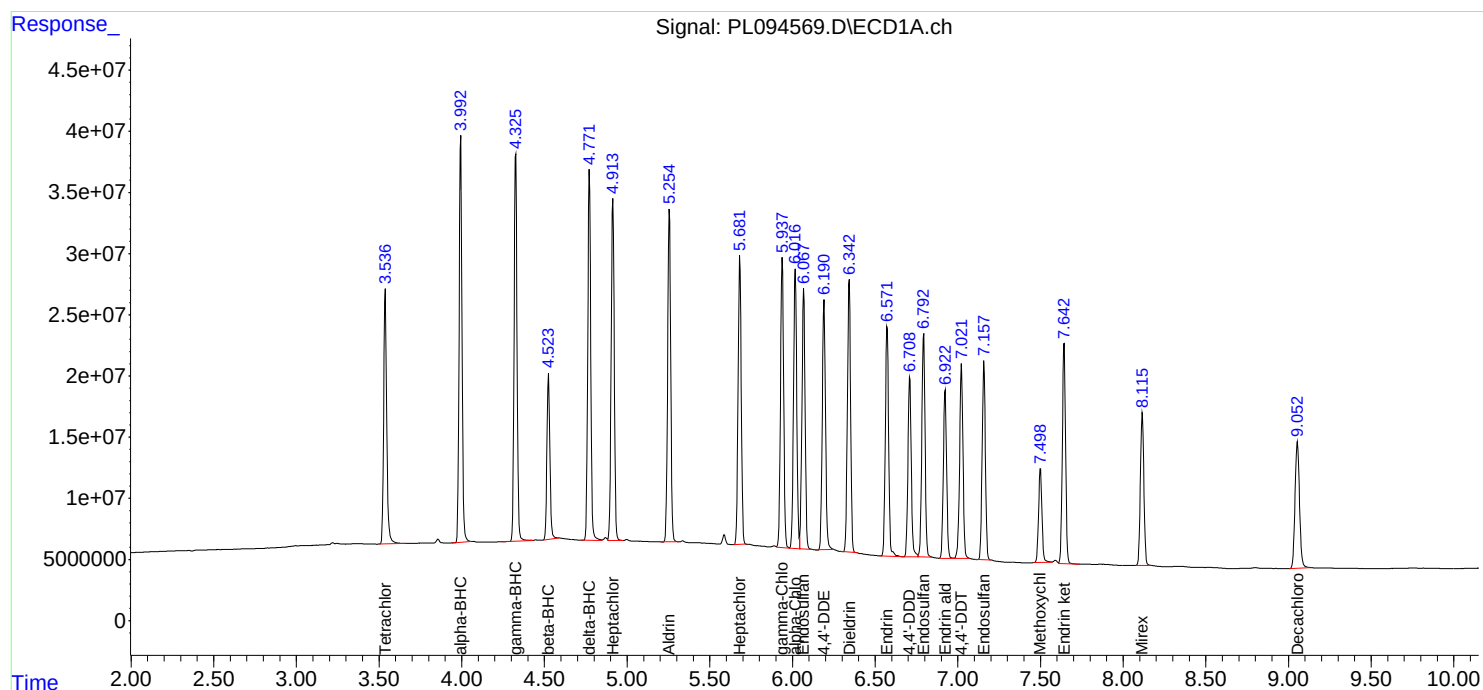
Manual Integrations

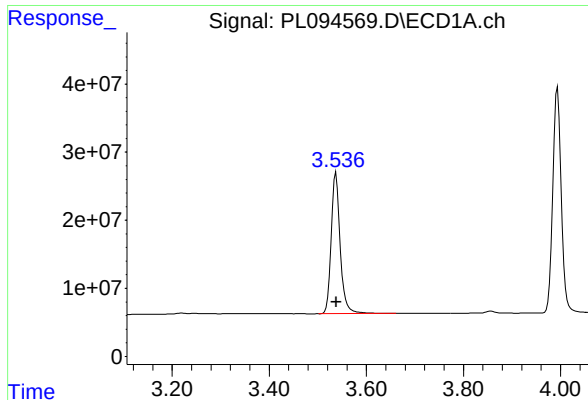
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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





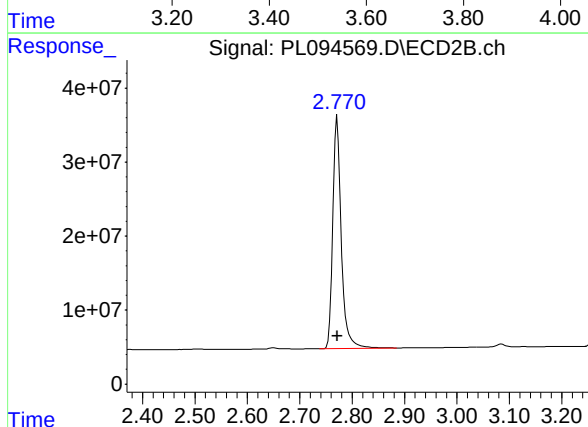
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 267763168
Conc: 99.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

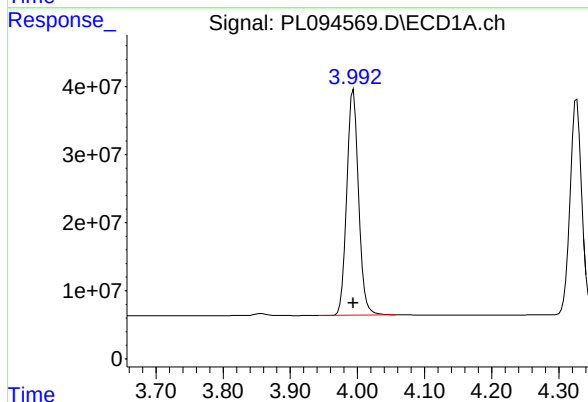
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



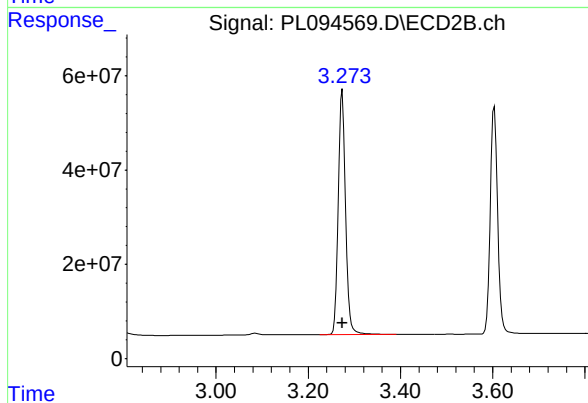
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 357251635
Conc: 100.99 ng/ml



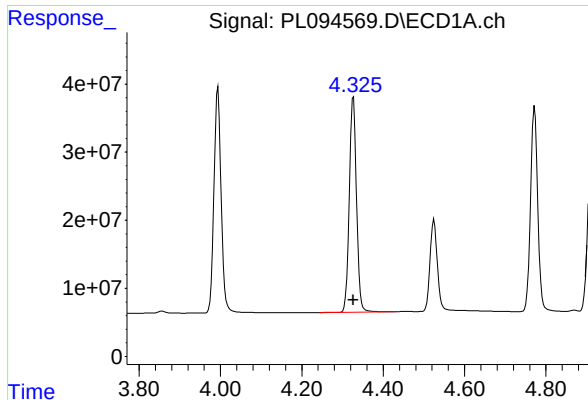
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 405083205
Conc: 100.55 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 569673035
Conc: 102.61 ng/ml



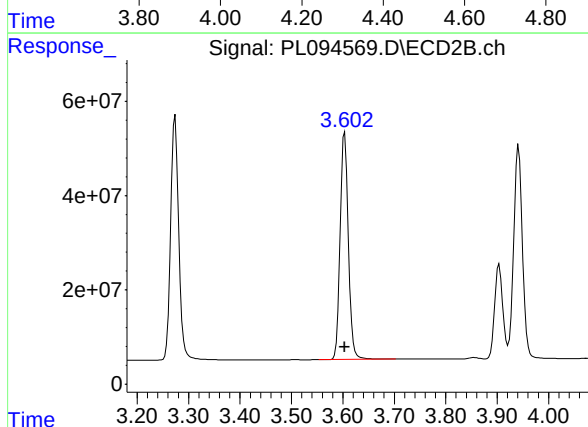
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 388608790
Conc: 100.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

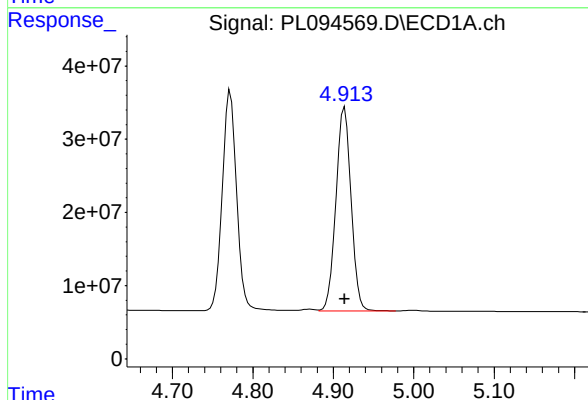
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



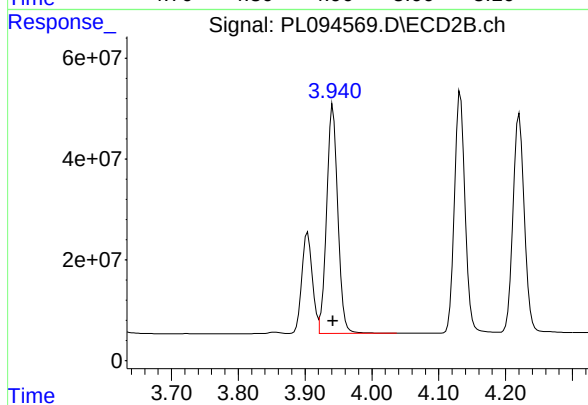
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 537223278
Conc: 102.28 ng/ml



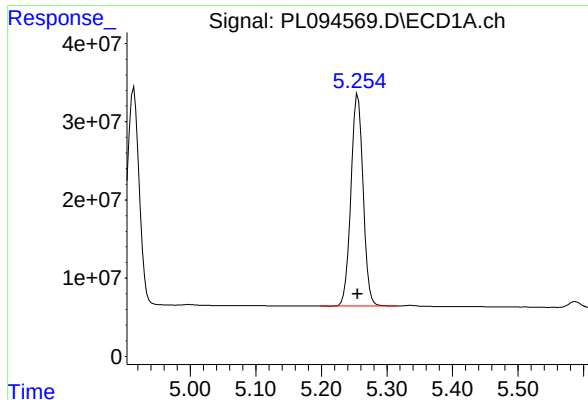
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 364573075
Conc: 99.02 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 536306132
Conc: 101.27 ng/ml



#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 348651471
Conc: 99.36 ng/ml

Instrument :

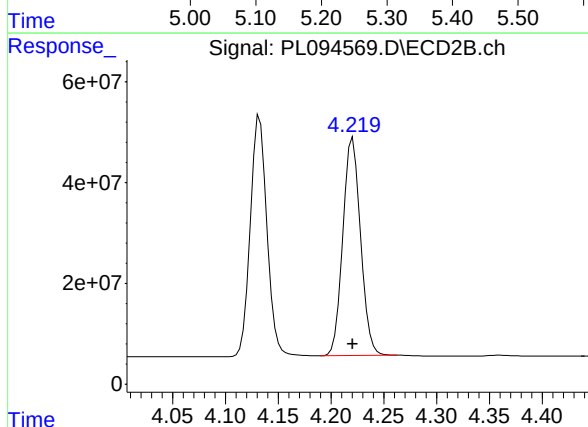
ECD_L

ClientSampleId :

PSTDICC100

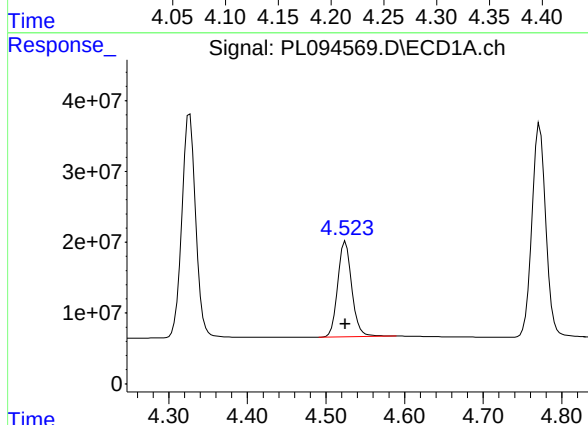
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



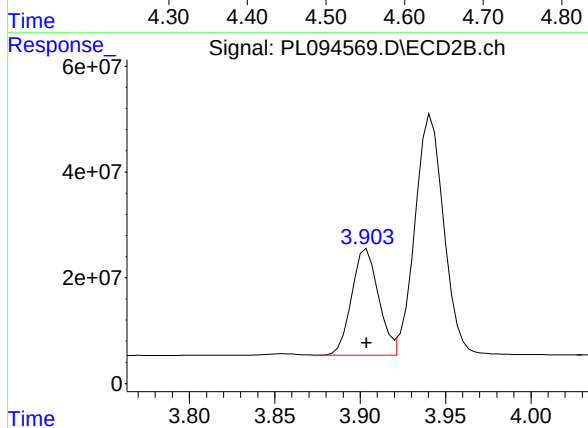
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 504334831
Conc: 102.09 ng/ml



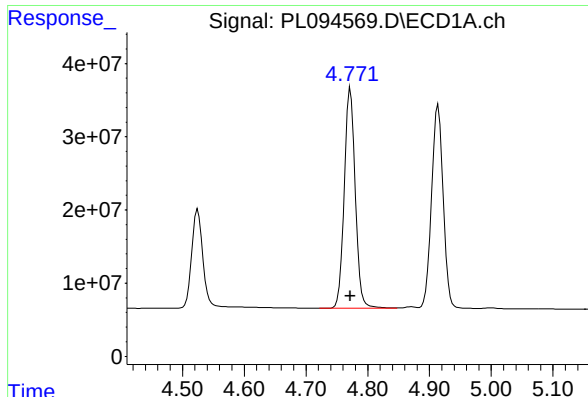
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 167259580
Conc: 97.94 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 218990788
Conc: 100.41 ng/ml



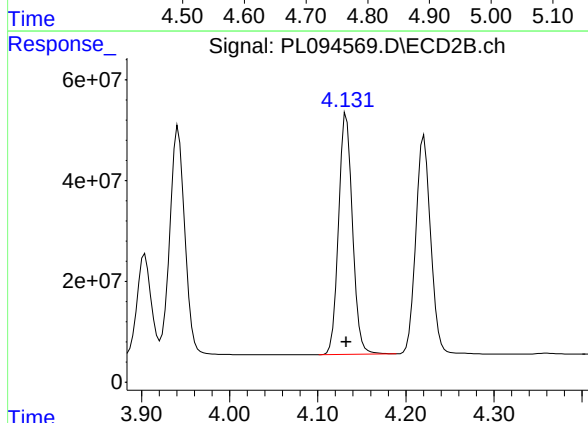
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 373153307
Conc: 100.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

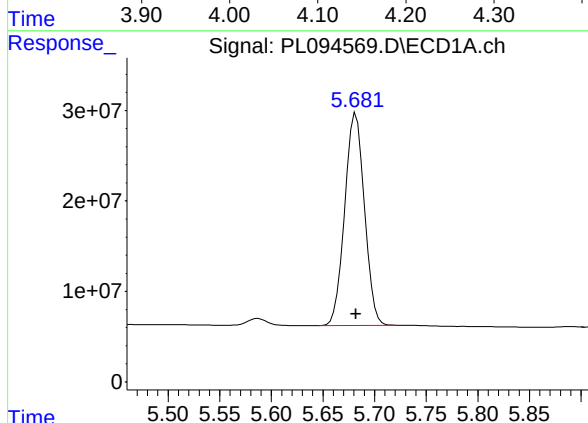
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



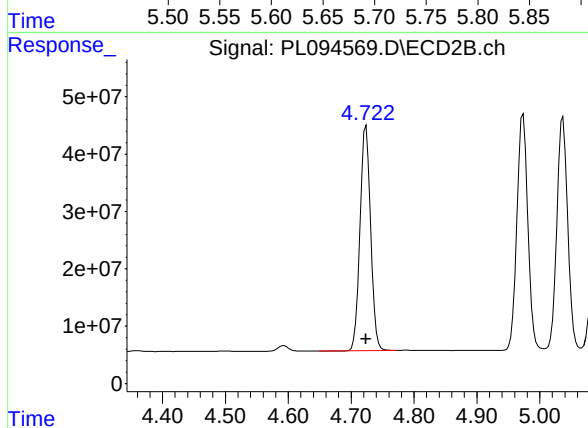
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 524542093
Conc: 102.45 ng/ml



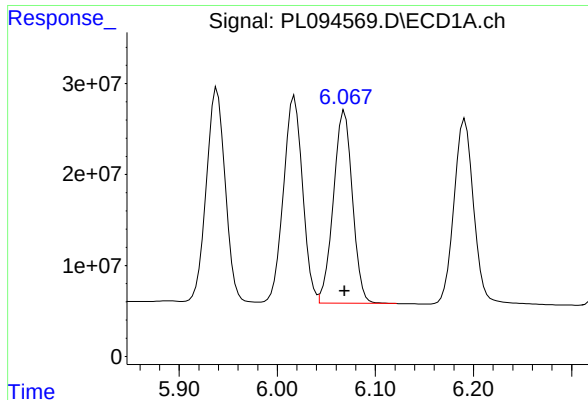
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 312768417
Conc: 98.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 461918591
Conc: 100.98 ng/ml



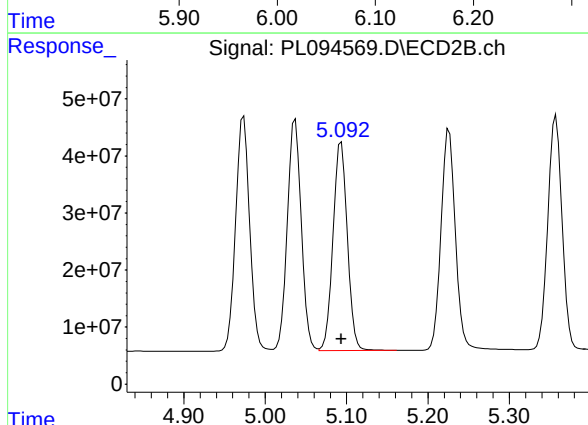
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 285605332
Conc: 98.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

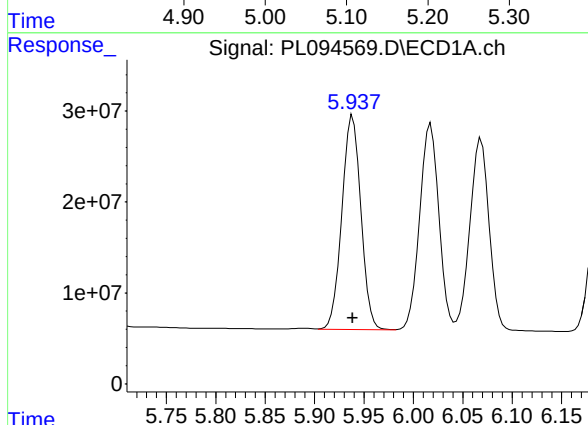
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



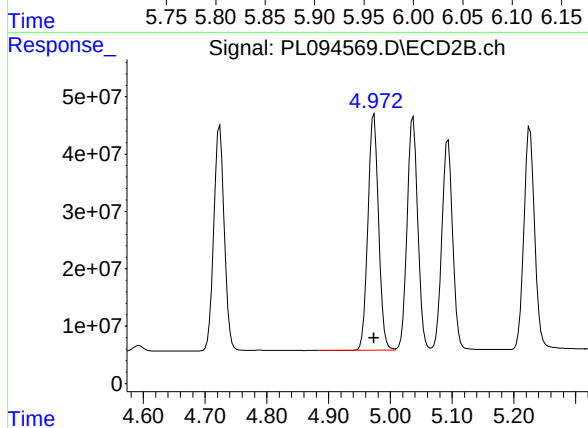
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 445594192
Conc: 101.25 ng/ml



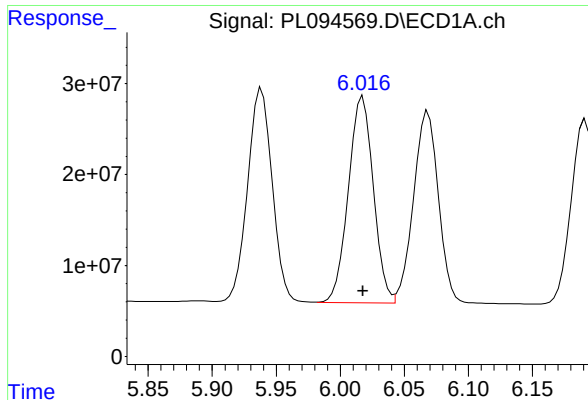
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 315231814
Conc: 99.13 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 494683451
Conc: 101.81 ng/ml



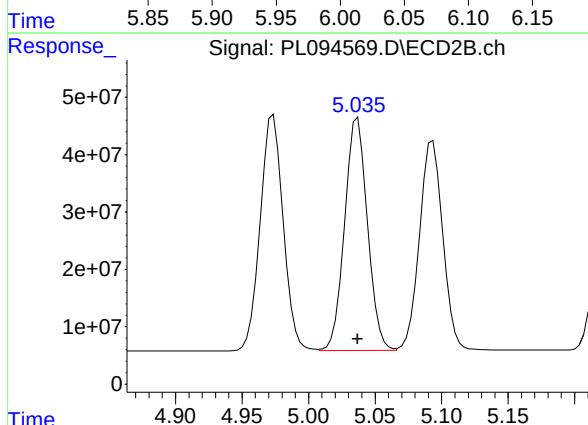
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 307825063
Conc: 98.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

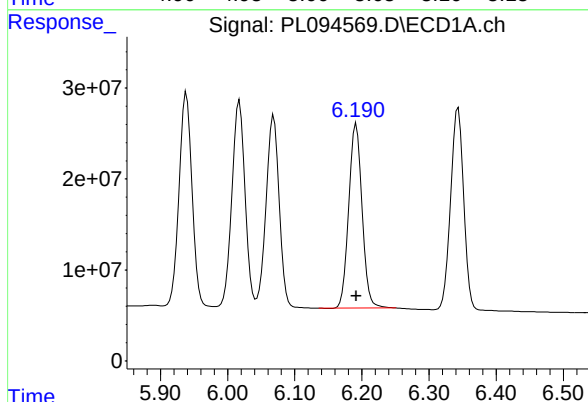
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



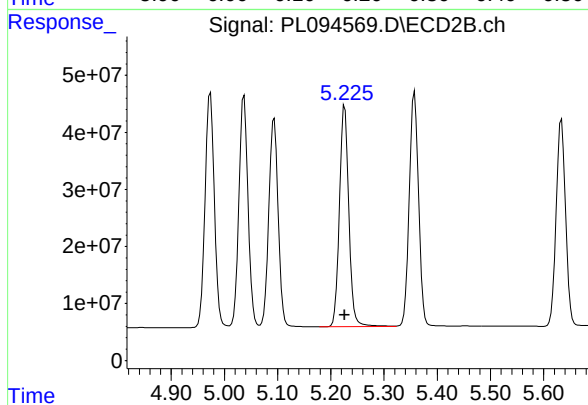
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 484791380
Conc: 101.43 ng/ml



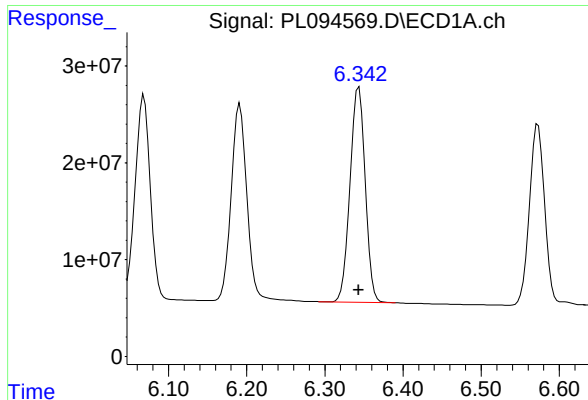
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 280081824
Conc: 99.23 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 475560692
Conc: 101.78 ng/ml



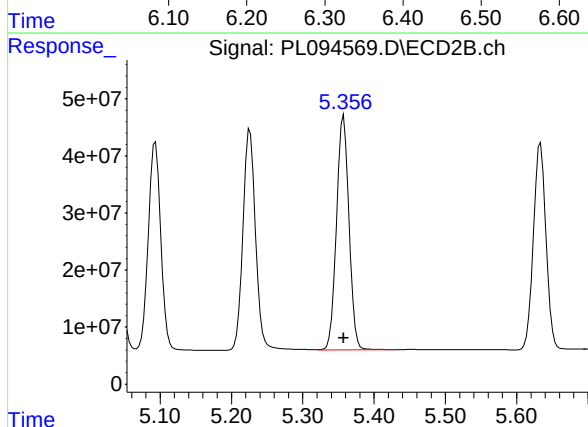
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 299891748
Conc: 99.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

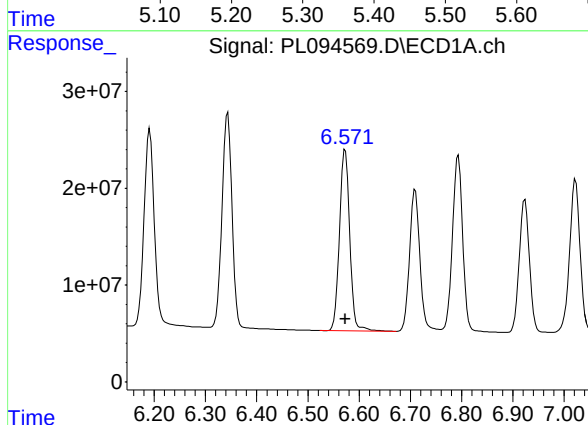
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



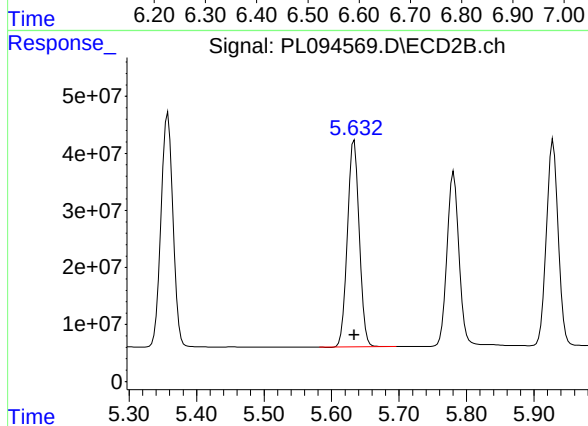
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 499116818
Conc: 102.04 ng/ml



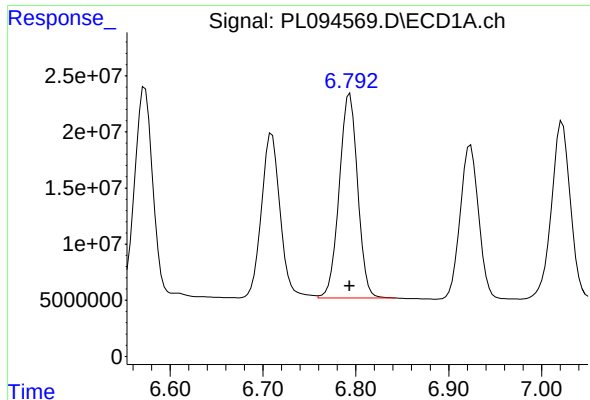
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 258594013
Conc: 99.18 ng/ml



#14 Endrin

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 443455460
Conc: 101.24 ng/ml



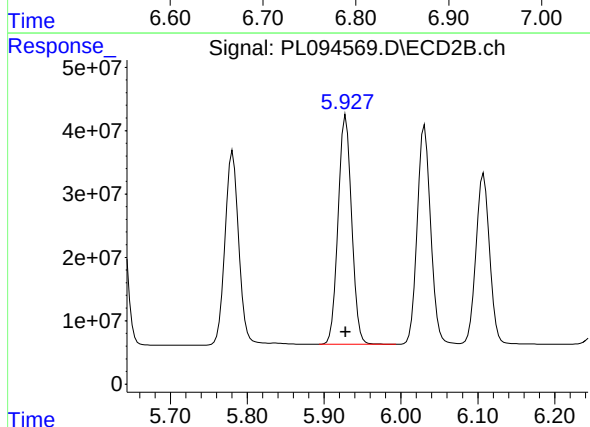
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 250994889
Conc: 98.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

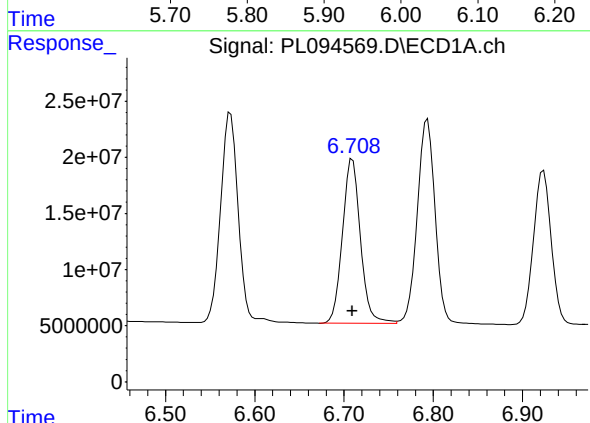
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



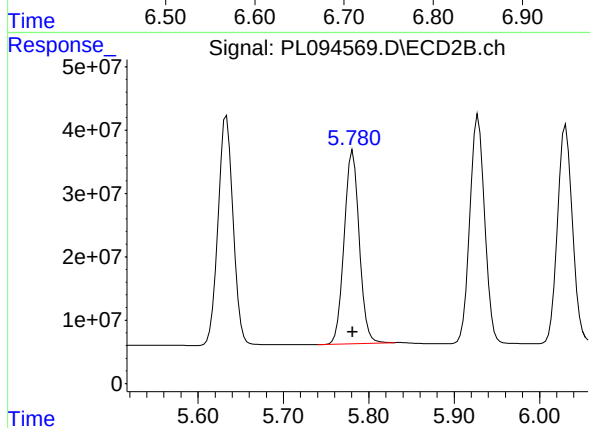
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 434672686
Conc: 101.06 ng/ml



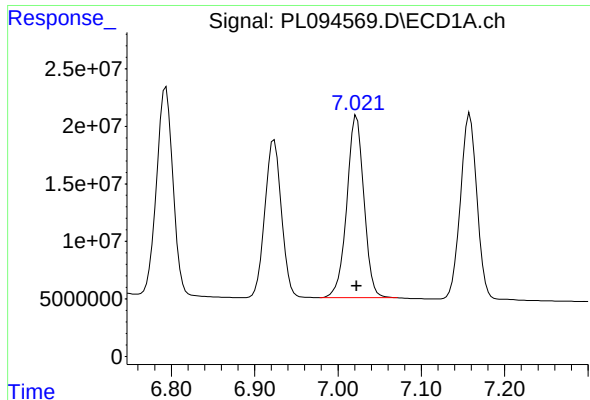
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 205479047
Conc: 98.98 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 374466215
Conc: 102.21 ng/ml



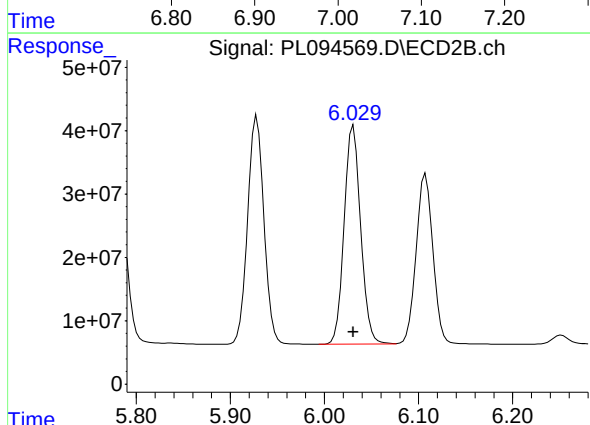
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 225075617
Conc: 99.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

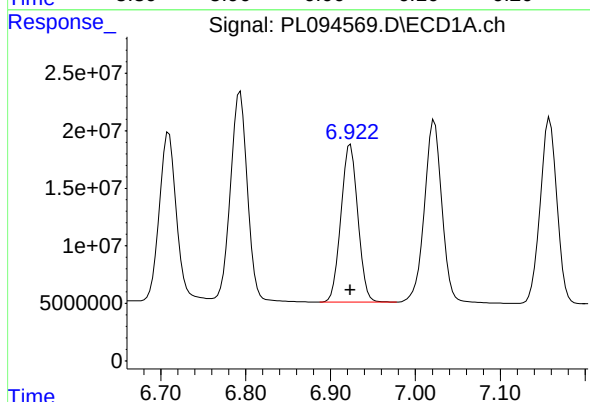
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



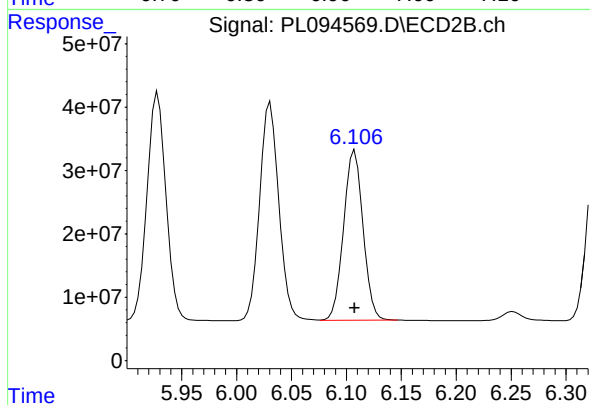
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 420641323
Conc: 102.34 ng/ml



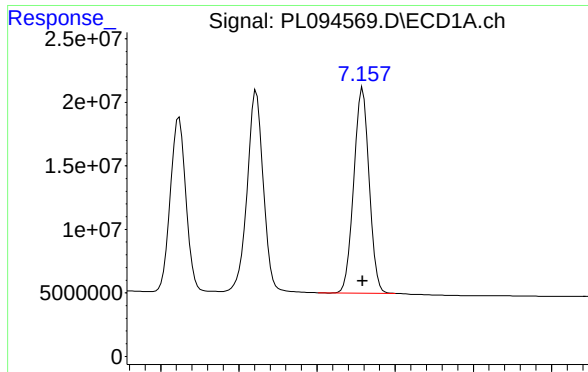
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 189940982
Conc: 97.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 330131461
Conc: 100.34 ng/ml



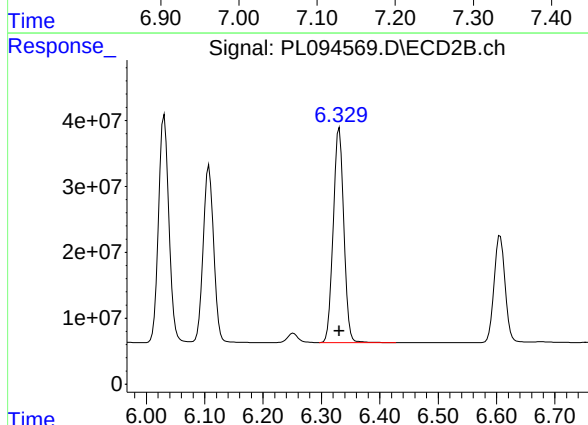
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 220288726
Conc: 97.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

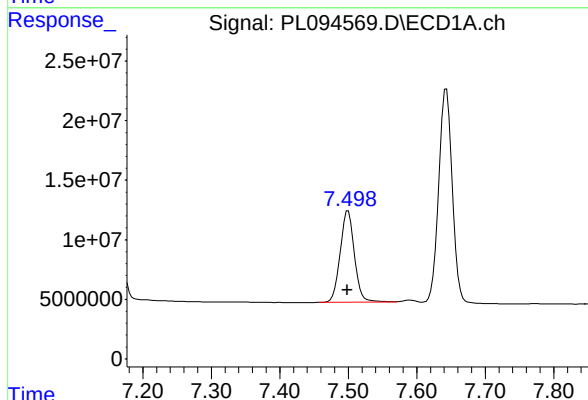
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



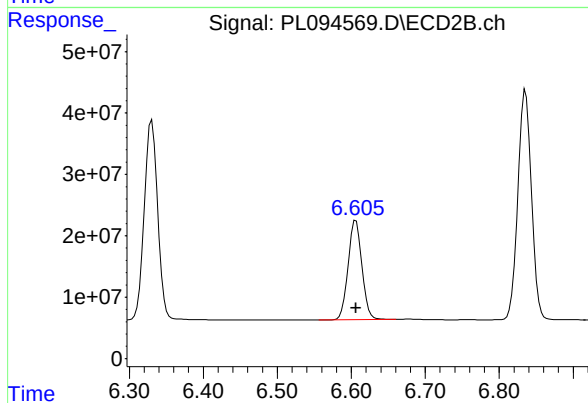
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 411435976
Conc: 101.00 ng/ml



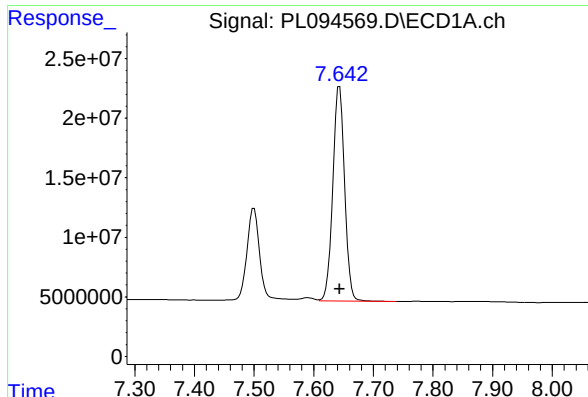
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 110916911
Conc: 98.02 ng/ml m



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 208916485
Conc: 99.76 ng/ml



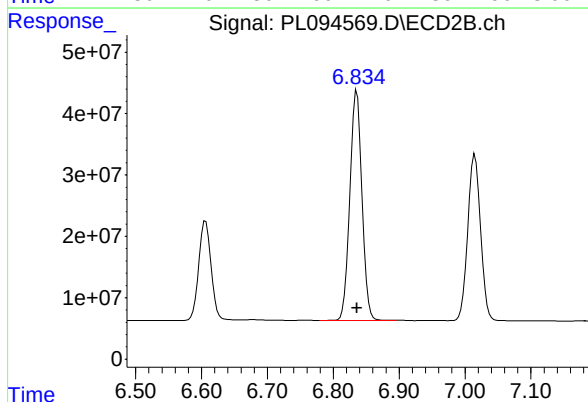
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 248530773
Conc: 99.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

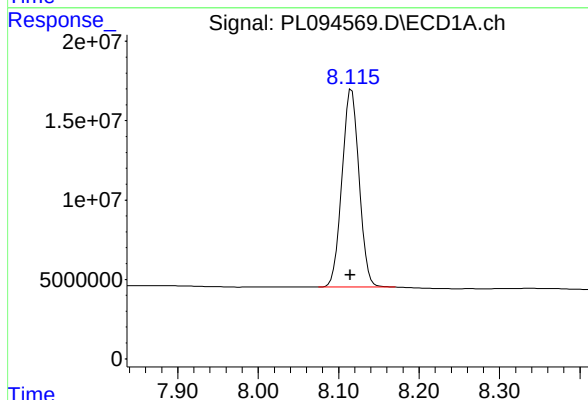
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



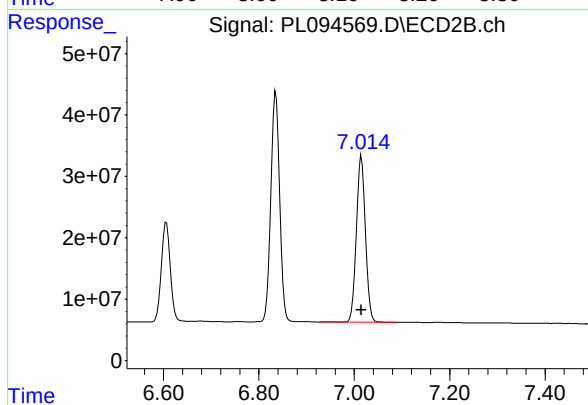
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 478749237
Conc: 100.84 ng/ml



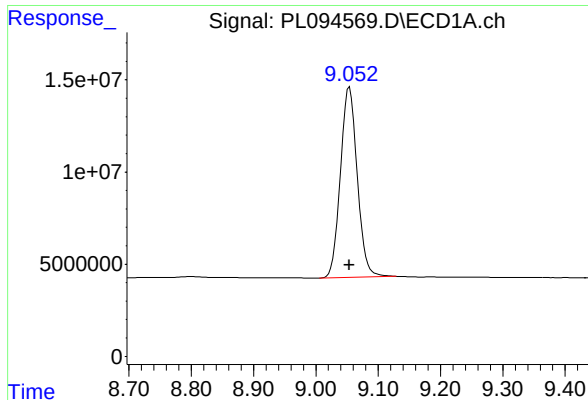
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 184356457
Conc: 96.82 ng/ml m



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 365572908
Conc: 99.62 ng/ml



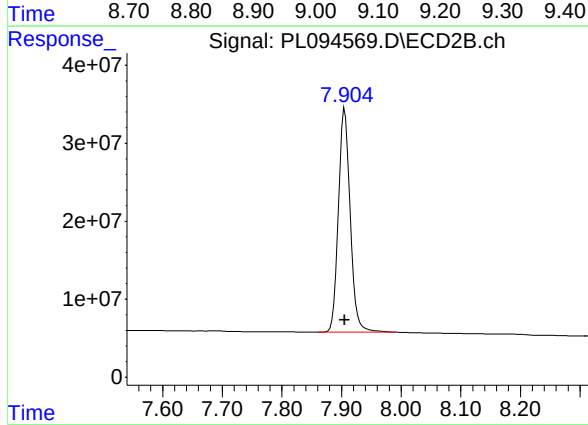
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 193896231
Conc: 97.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 395031656
Conc: 100.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:49
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

Client SampleId :

PSTDICC075

Manual Integrations

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Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:25:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.771	201.1E6	263.8E6	74.661	74.715
28)	SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds							
2)	A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3)	MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4)	MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5)	MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6)	B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7)	B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8)	B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9)	A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10)	B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11)	B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12)	B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13)	MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14)	MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15)	B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16)	A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17)	MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18)	B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19)	B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20)	A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21)	B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22)	Mirex	8.115	7.015	140.5E6	271.3E6	74.155m	74.275

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:49
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

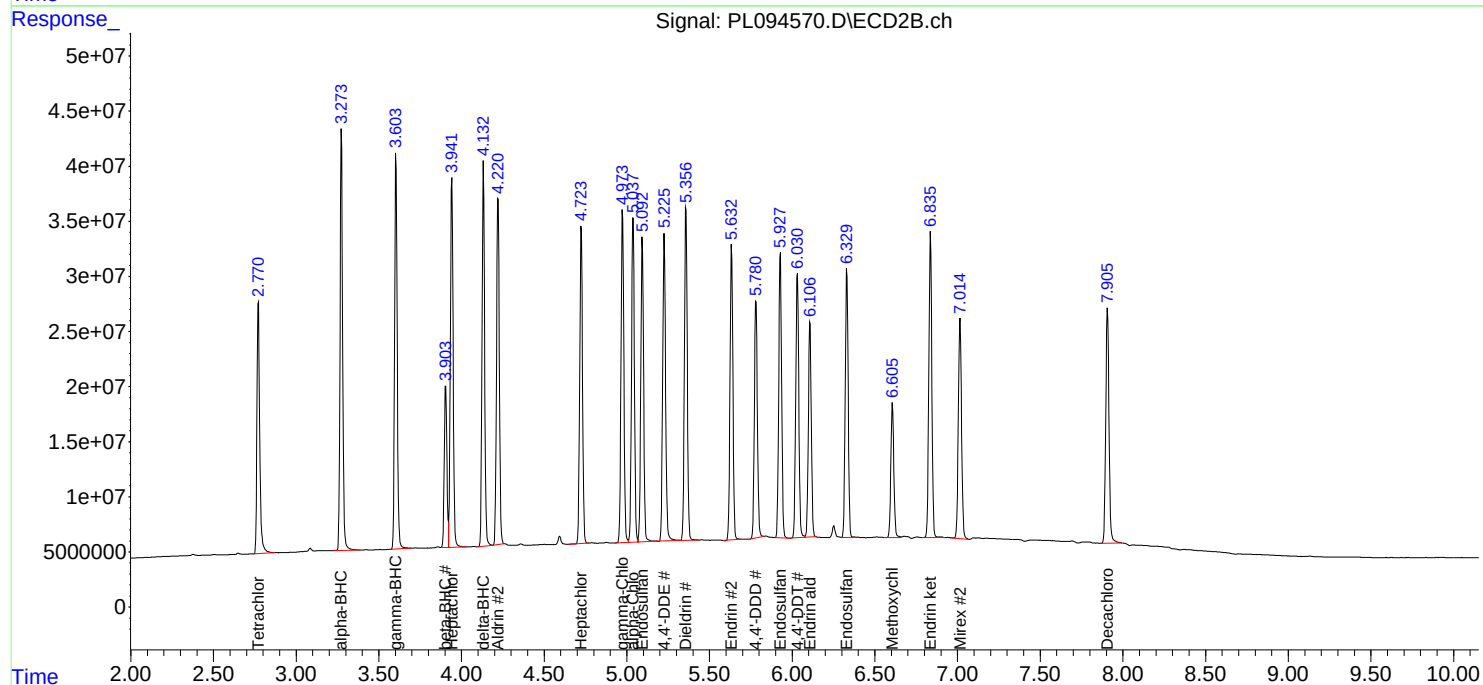
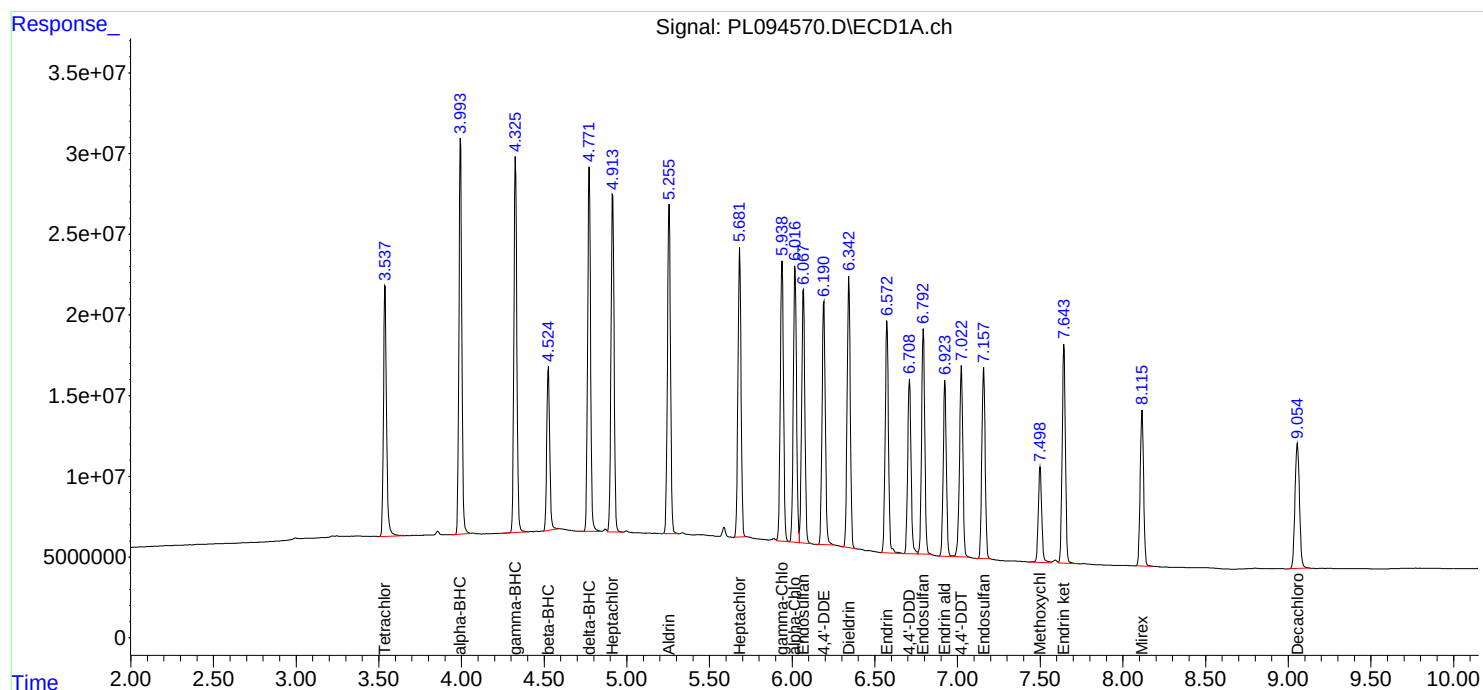
Manual Integrations

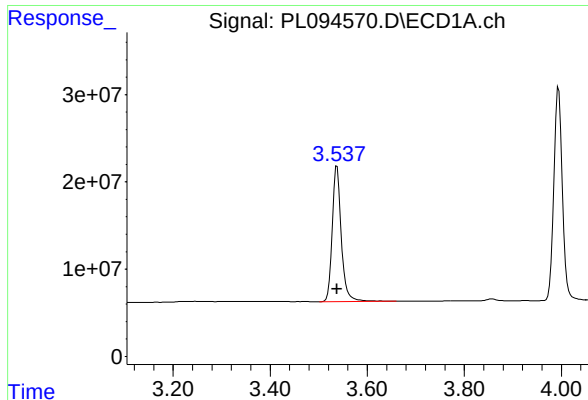
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:25:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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





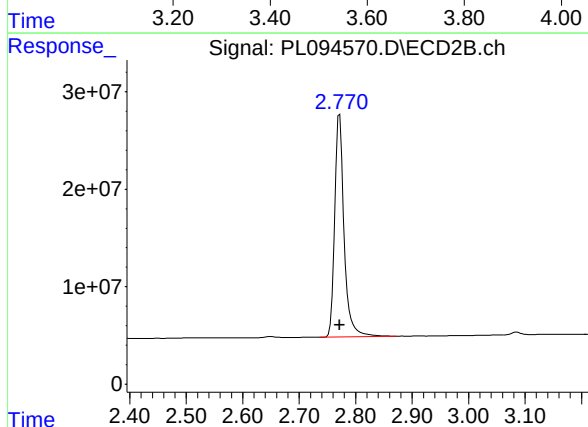
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 201142853
Conc: 74.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

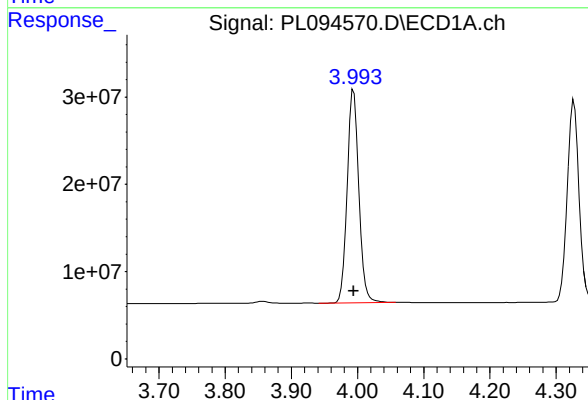
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



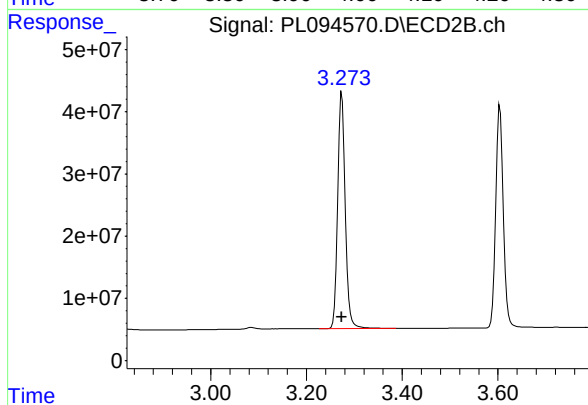
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 263799483
Conc: 74.71 ng/ml



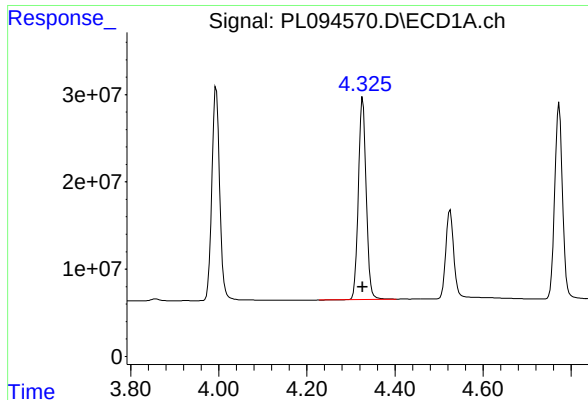
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 299674738
Conc: 74.59 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 415112906
Conc: 74.85 ng/ml



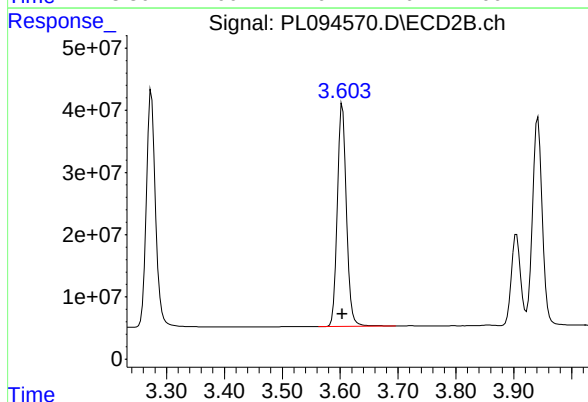
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 286840913
Conc: 74.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

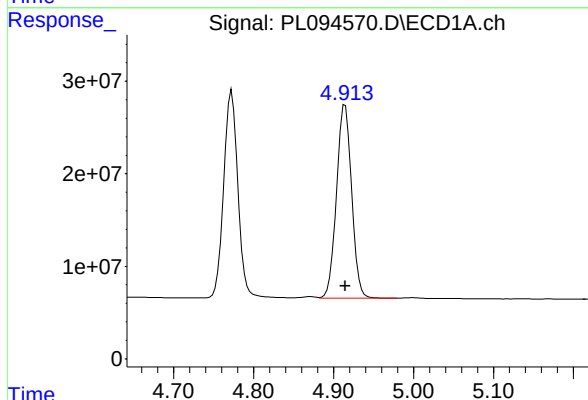
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



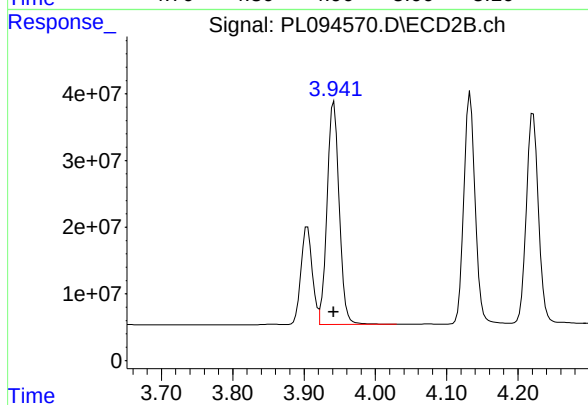
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 392257185
Conc: 74.79 ng/ml



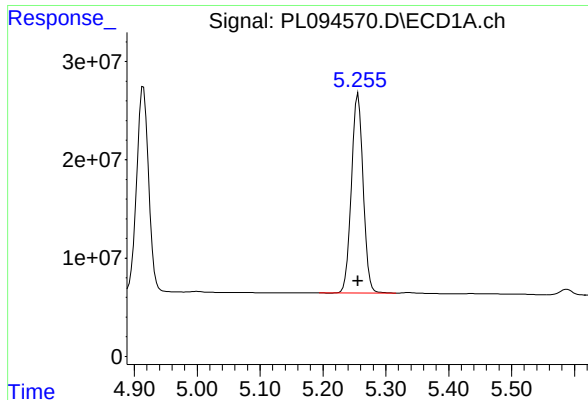
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 274574691
Conc: 74.72 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 394705067
Conc: 74.69 ng/ml



#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 261288108
Conc: 74.64 ng/ml

Instrument :

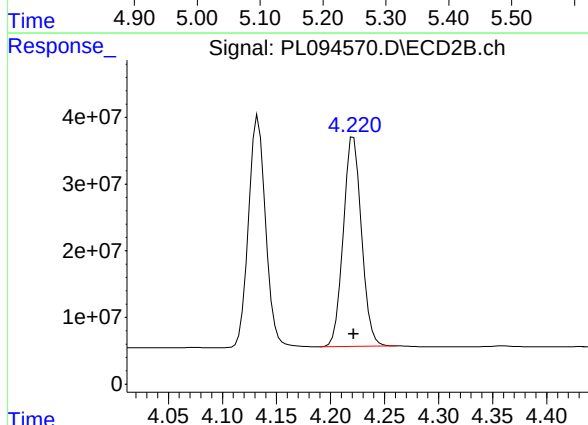
ECD_L

ClientSampleId :

PSTDICC075

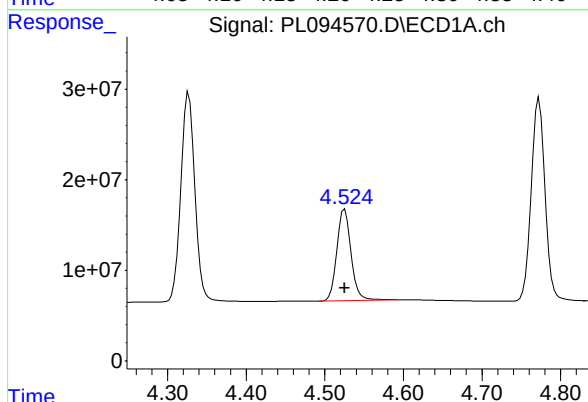
Manual Integrations
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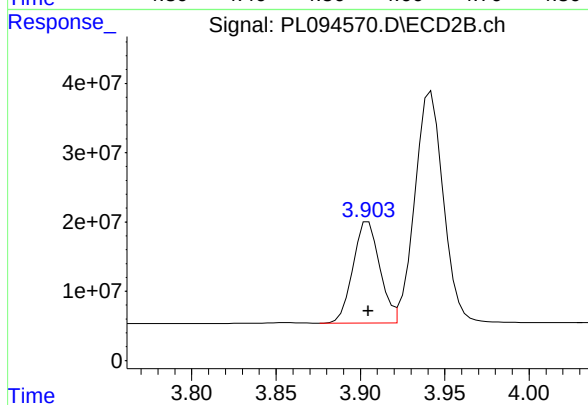
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 367798902
Conc: 74.63 ng/ml



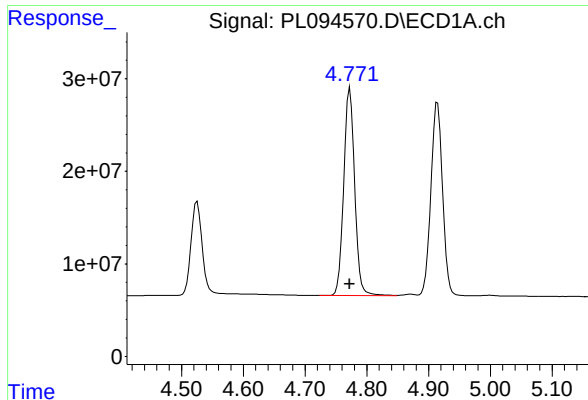
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 126613518
Conc: 74.42 ng/ml



#6 beta-BHC

R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 161729415
Conc: 74.43 ng/ml



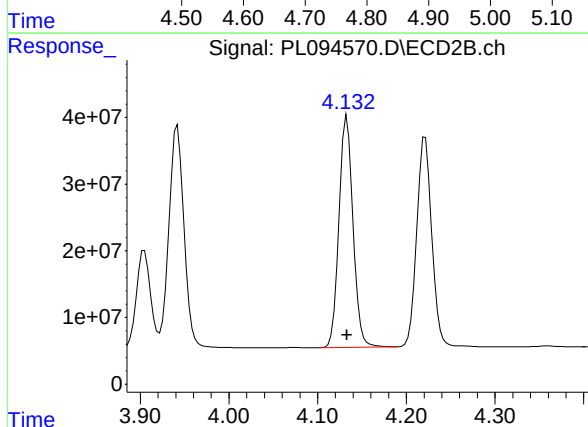
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 276213712
Conc: 74.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

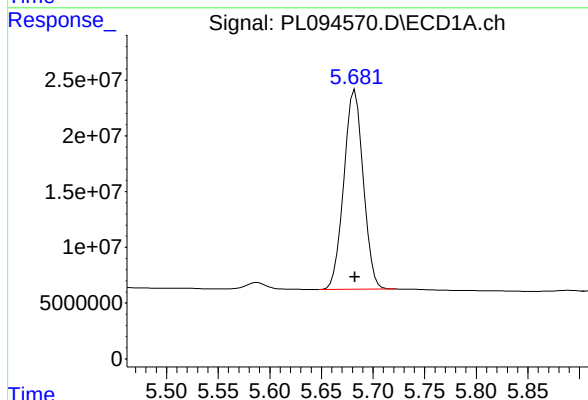
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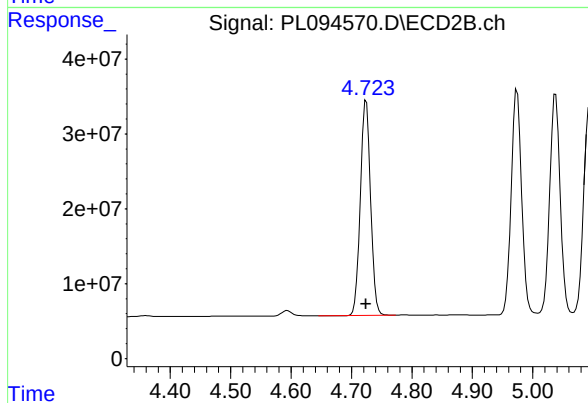
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 381584993
Conc: 74.69 ng/ml



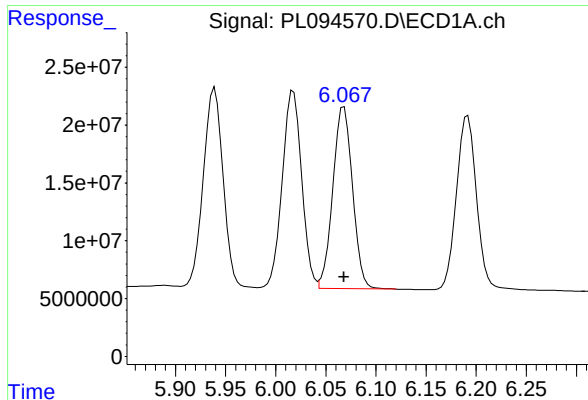
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 234307611
Conc: 74.39 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 338947683
Conc: 74.40 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 214077097
Conc: 74.38 ng/ml

Instrument :

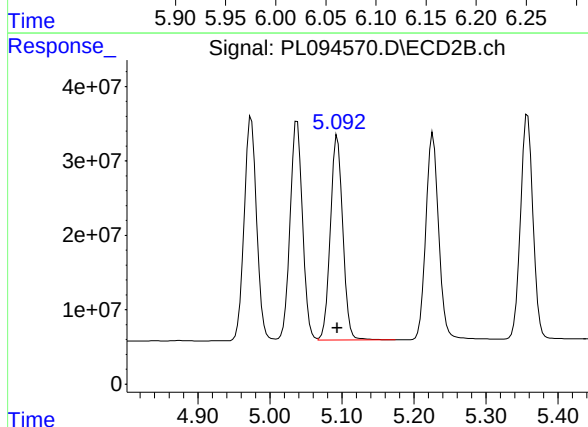
ECD_L

ClientSampleId :

PSTDICC075

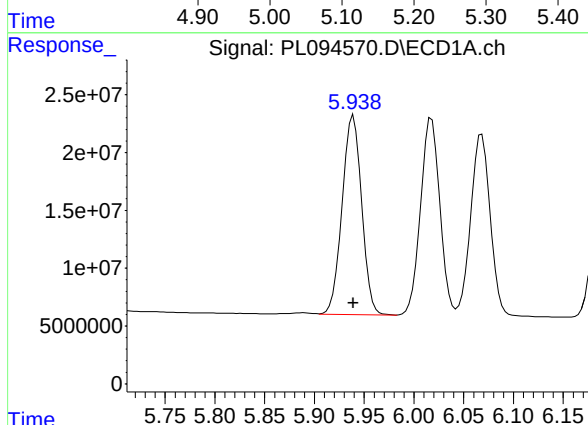
Manual Integrations
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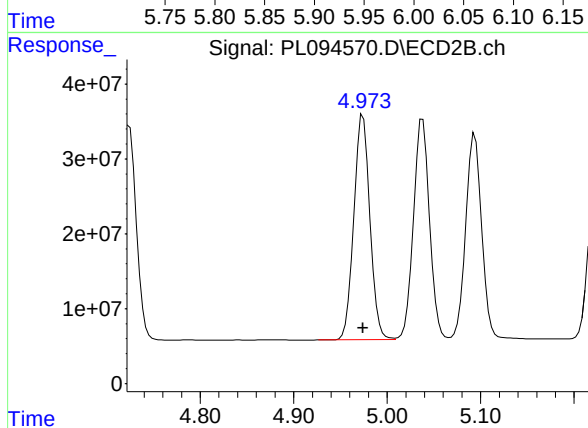
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 327058959
Conc: 74.54 ng/ml



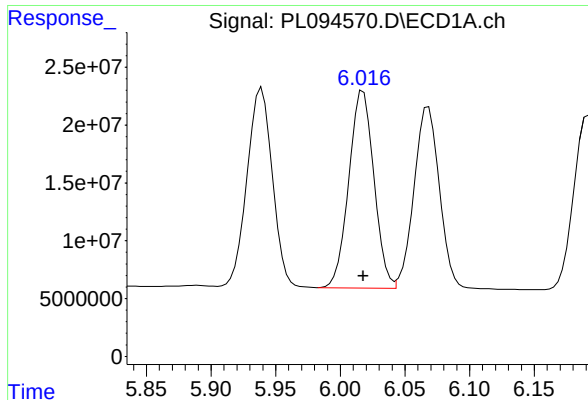
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 235979855
Conc: 74.47 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 360471631
Conc: 74.46 ng/ml



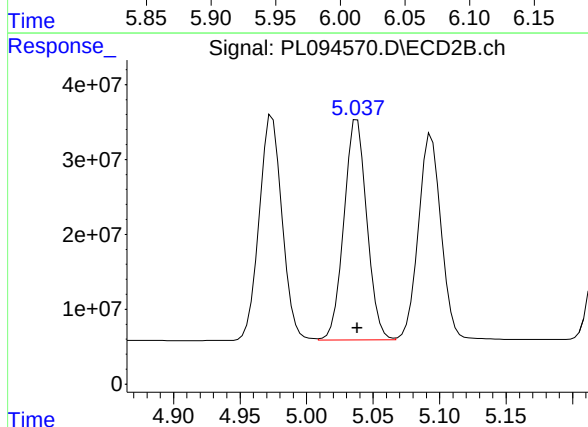
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 230043306
Conc: 74.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

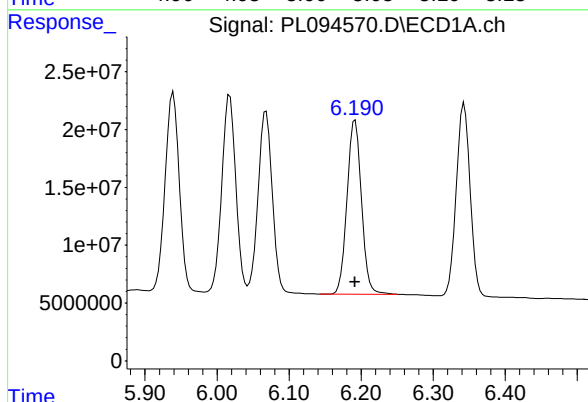
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



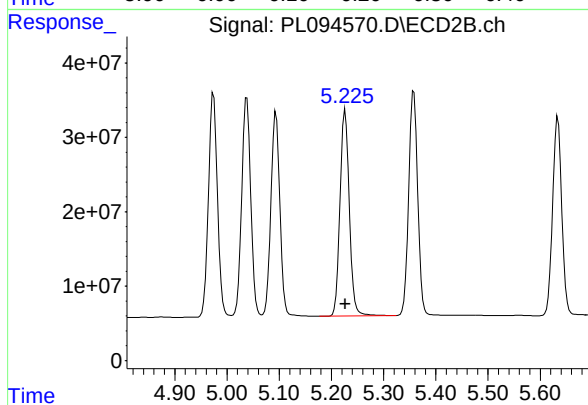
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 353614949
Conc: 74.32 ng/ml



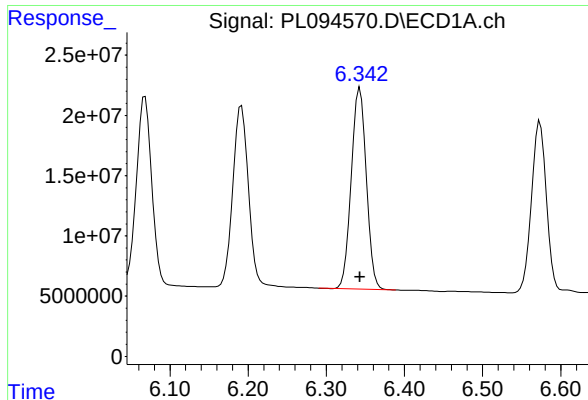
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 209341973
Conc: 74.44 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 344267084
Conc: 74.11 ng/ml



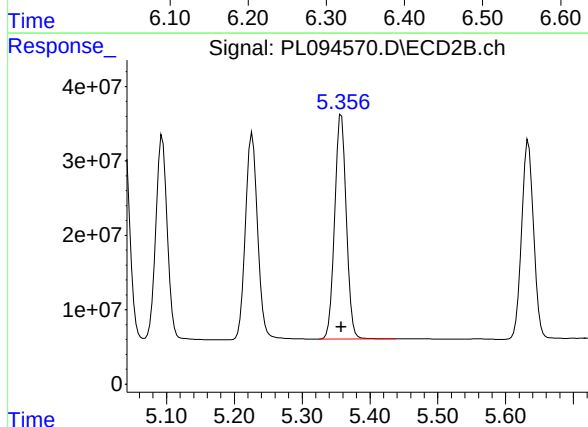
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 223314903
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

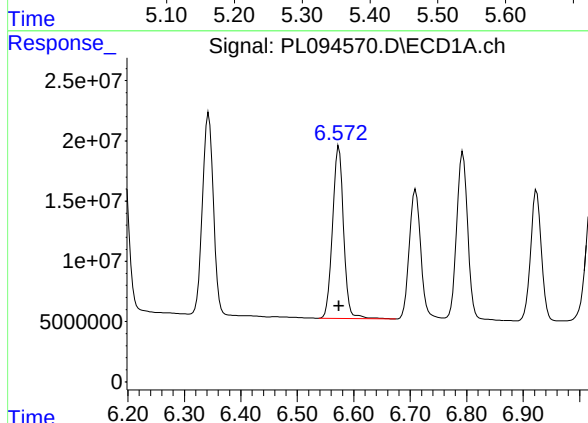
Manual Integrations
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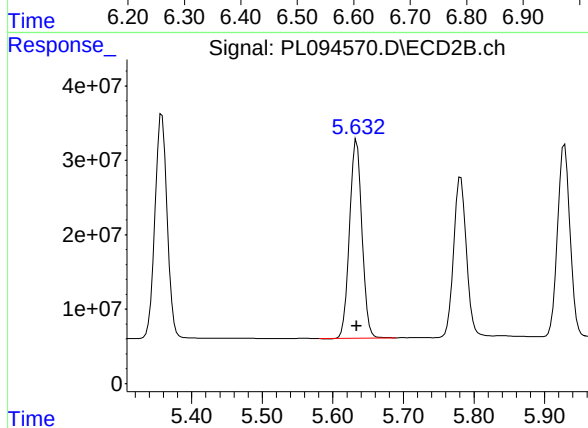
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 363943892
Conc: 74.60 ng/ml



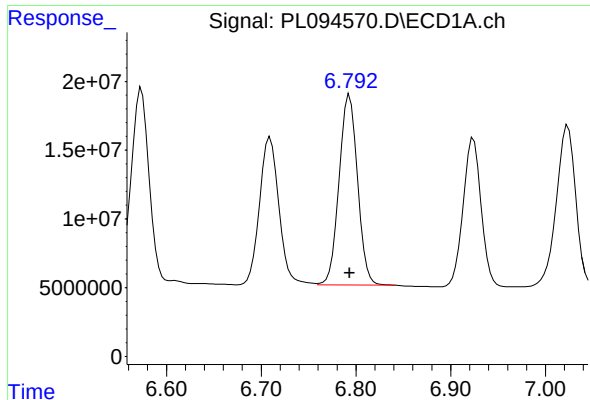
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 193850510
Conc: 74.56 ng/ml



#14 Endrin

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 324396614
Conc: 74.37 ng/ml



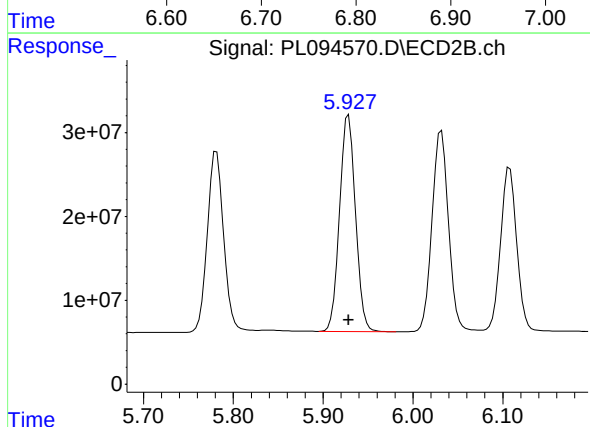
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 187131432
Conc: 74.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

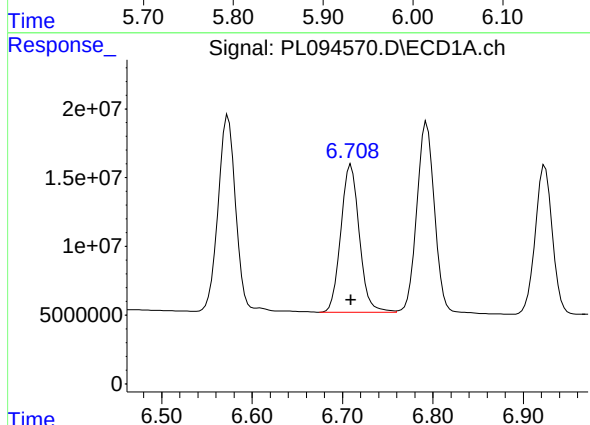
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



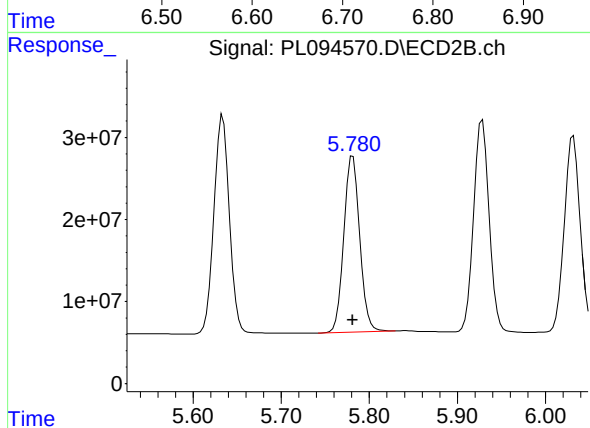
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 317833183
Conc: 74.26 ng/ml



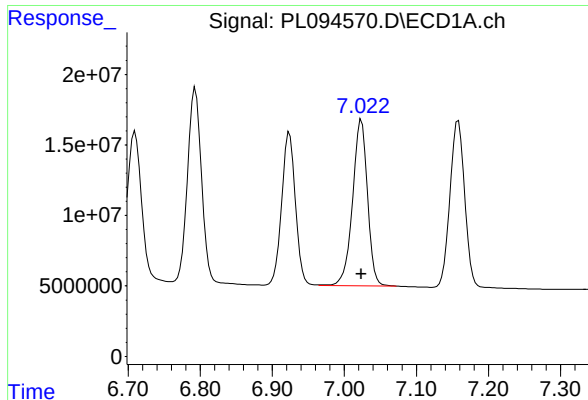
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 152854261
Conc: 74.08 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 269957054
Conc: 74.12 ng/ml



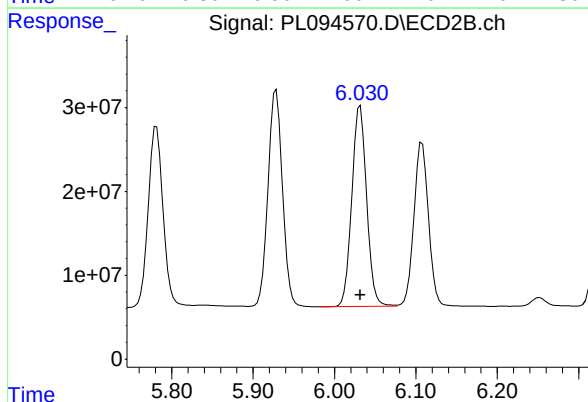
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 169409218
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

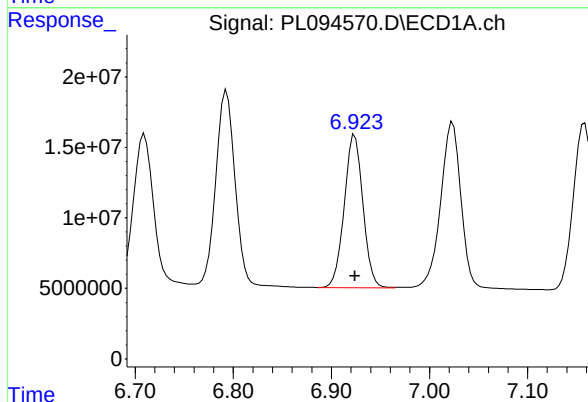
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



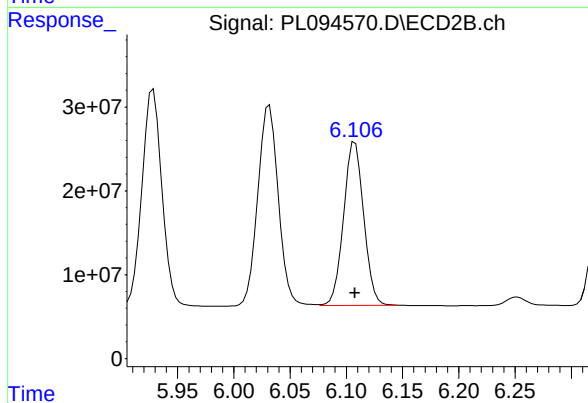
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 304588533
Conc: 74.40 ng/ml



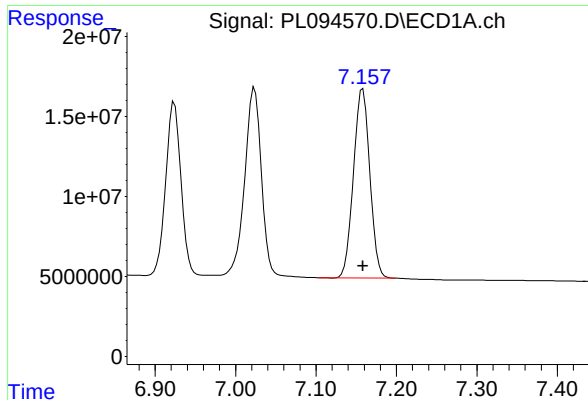
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 143367924
Conc: 74.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 242485357
Conc: 74.13 ng/ml



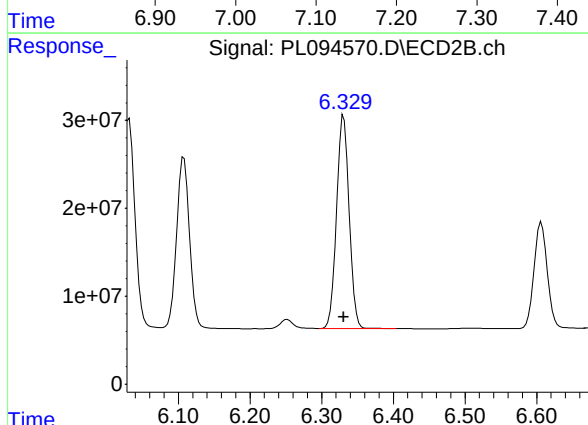
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 167119326
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

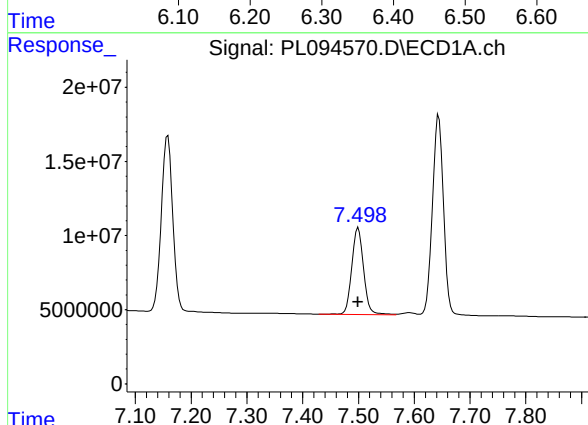
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



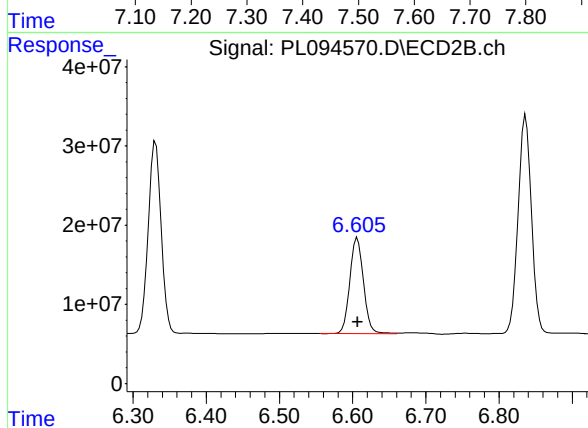
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 298376745
Conc: 73.82 ng/ml



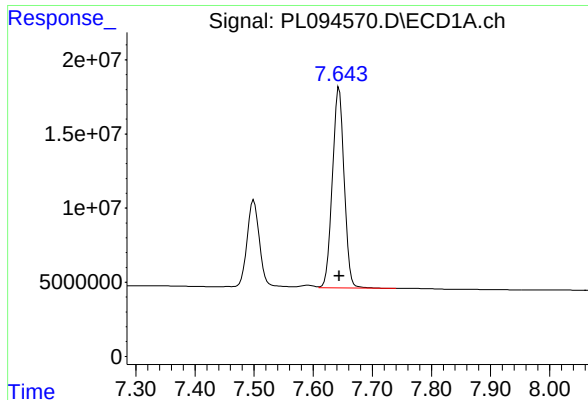
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 86133491
Conc: 75.87 ng/ml



#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 156422121
Conc: 74.79 ng/ml



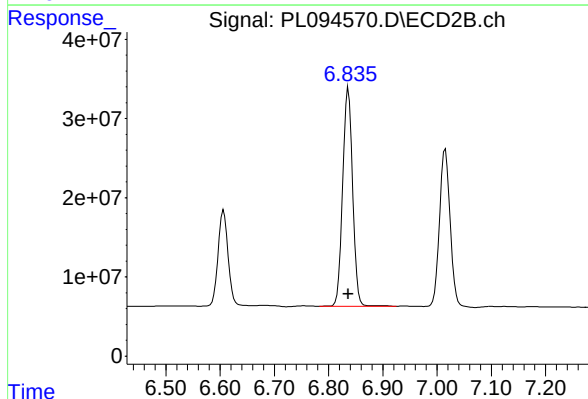
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 186691823
Conc: 74.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

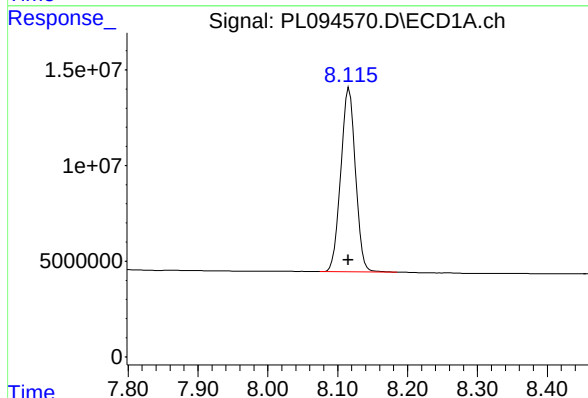
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



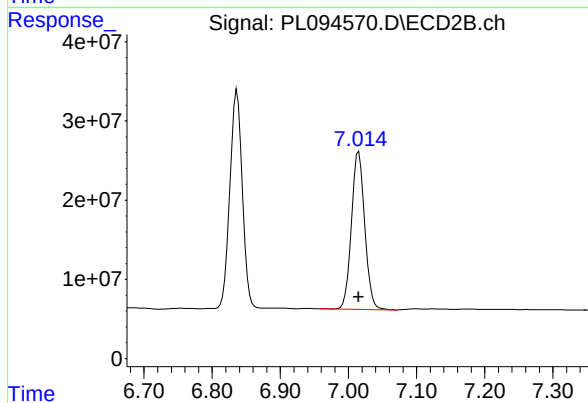
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 351951268
Conc: 74.42 ng/ml



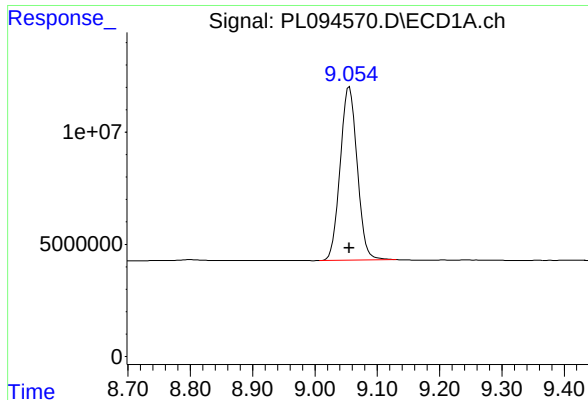
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 140491044
Conc: 74.15 ng/ml m



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 271252738
Conc: 74.27 ng/ml



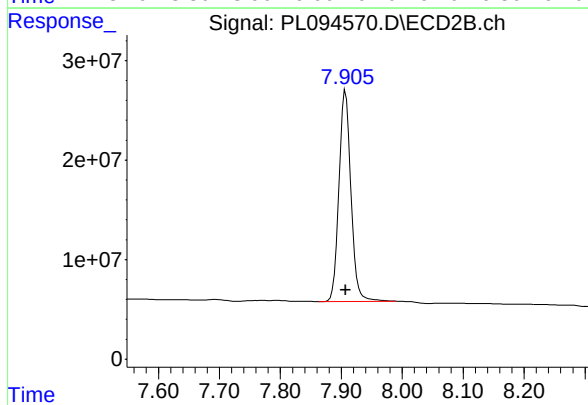
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 147082223
Conc: 74.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 290138744
Conc: 74.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094571.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:02
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:20:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	136.1E6	175.1E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	101.0E6	195.2E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.994	3.274	200.3E6	270.4E6	50.000	50.000
3) MA gamma-BHC...	4.327	3.604	192.1E6	256.6E6	50.000	50.000
4) MA Heptachlor	4.915	3.942	185.9E6	261.4E6	50.000	50.000
5) MB Aldrin	5.256	4.222	176.6E6	241.9E6	50.000	50.000
6) B beta-BHC	4.525	3.905	87145707	108.6E6	50.000	50.000
7) B delta-BHC	4.773	4.133	186.0E6	249.7E6	50.000	50.000
8) B Heptachlo...	5.683	4.725	159.9E6	226.5E6	50.000	50.000
9) A Endosulfan I	6.069	5.094	146.2E6	217.3E6	50.000	50.000
10) B gamma-Chl...	5.940	4.974	160.4E6	238.5E6	50.000	50.000
11) B alpha-Chl...	6.018	5.038	157.3E6	235.6E6	50.000	50.000
12) B 4,4'-DDE	6.193	5.227	142.2E6	229.5E6	50.000	50.000
13) MA Dieldrin	6.344	5.358	152.0E6	239.6E6	50.000	50.000
14) MA Endrin	6.574	5.634	131.4E6	216.3E6	50.000	50.000
15) B Endosulfa...	6.794	5.929	129.0E6	212.8E6	50.000	50.000
16) A 4,4'-DDD	6.710	5.782	104.9E6	179.1E6	50.000	50.000
17) MA 4,4'-DDT	7.024	6.032	114.1E6	200.7E6	50.000	50.000
18) B Endrin al...	6.924	6.108	99751178	164.0E6	50.000	50.000
19) B Endosulfa...	7.159	6.331	114.8E6	201.6E6	50.000	50.000
20) A Methoxychlor	7.500	6.607	57407619	105.0E6	50.000	50.000
21) B Endrin ke...	7.644	6.836	125.2E6	235.4E6	50.000	50.000
22) Mirex	8.117	7.016	98343828	184.2E6	50.000	50.000

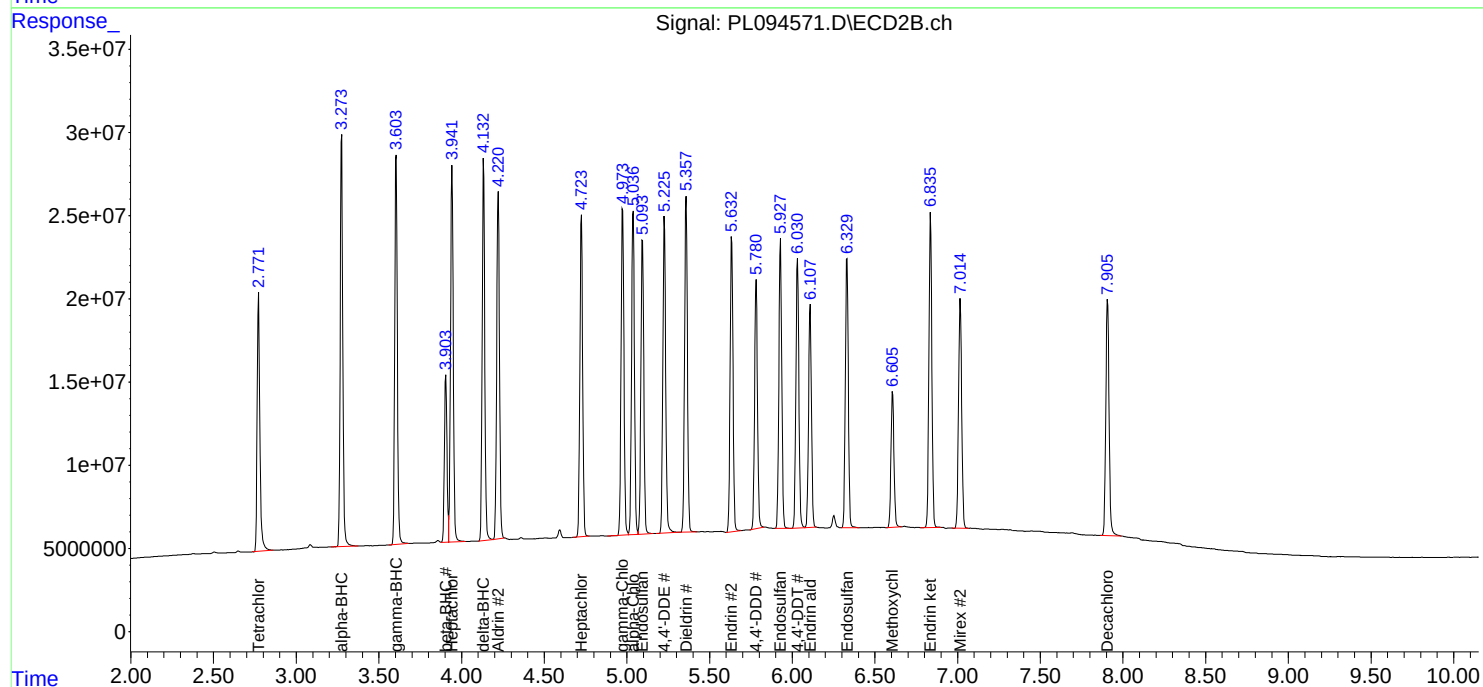
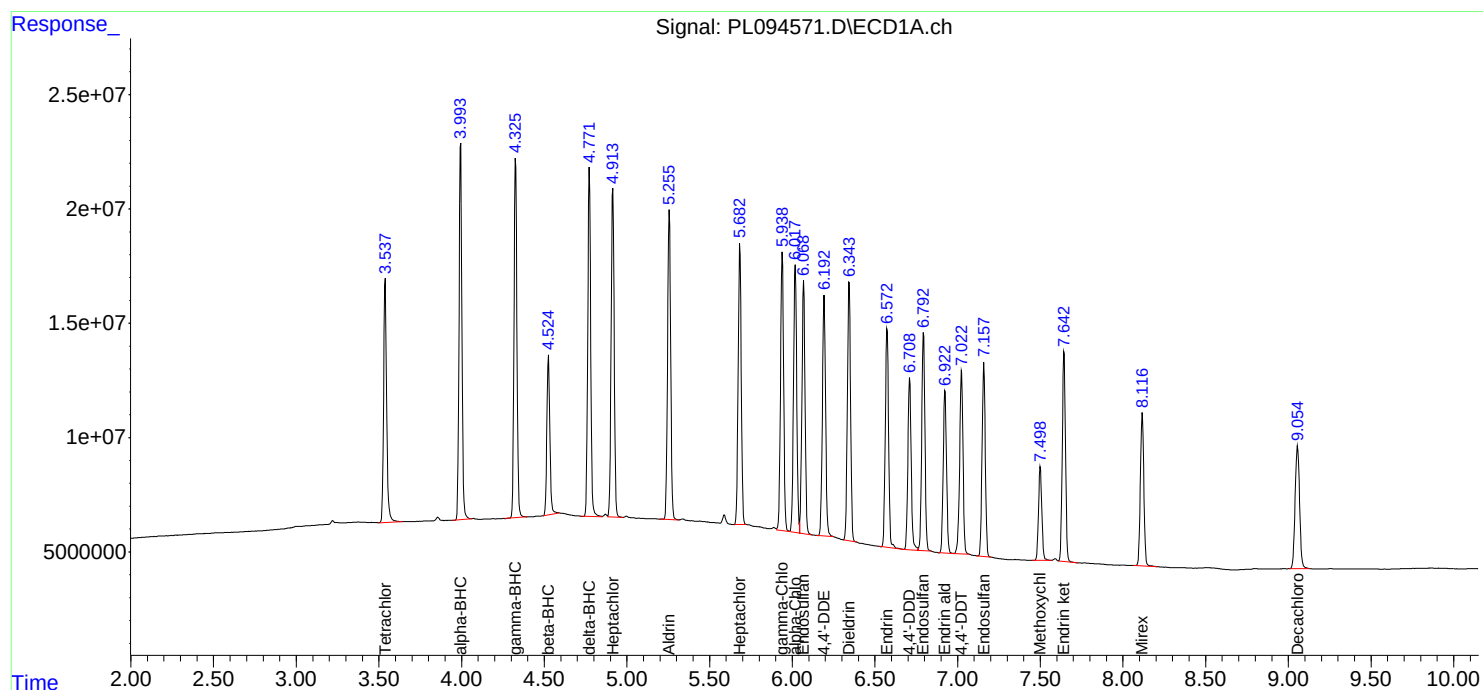
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

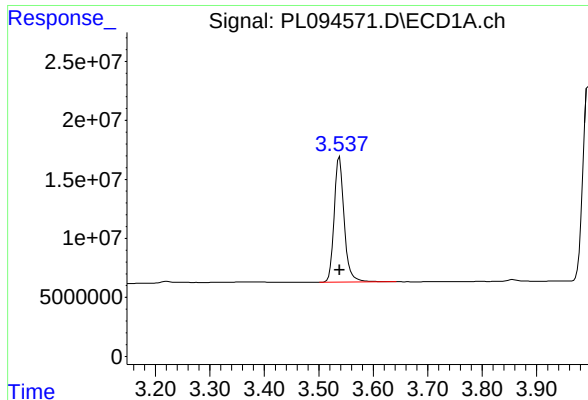
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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

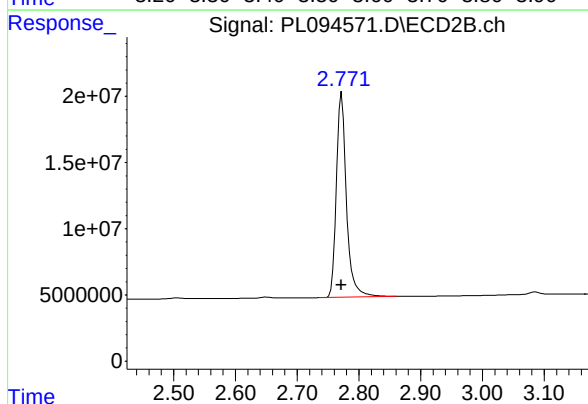




#1 Tetrachloro-m-xylene

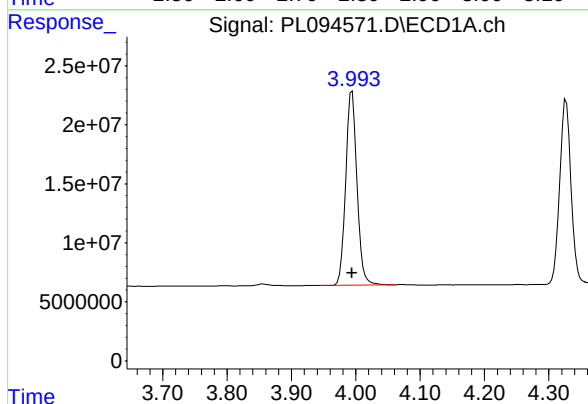
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 136137104
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



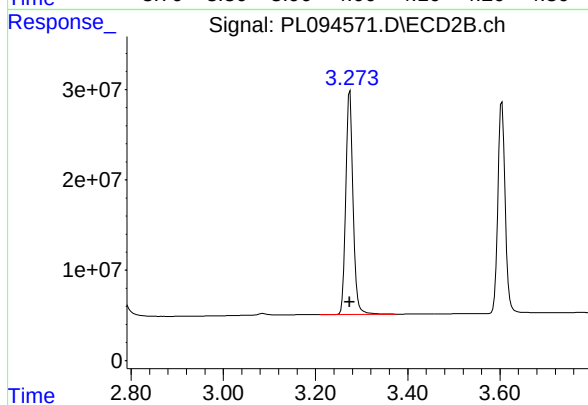
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 175120065
Conc: 50.00 ng/ml



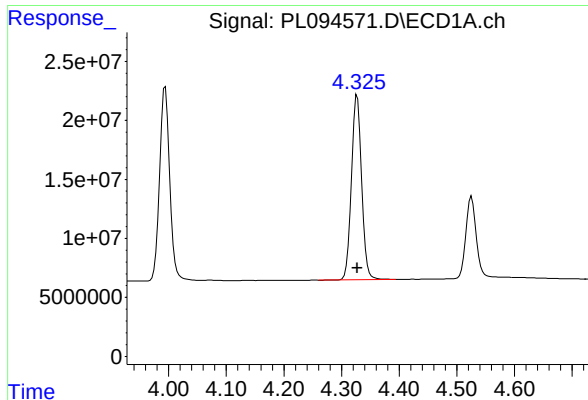
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 200316180
Conc: 50.00 ng/ml



#2 alpha-BHC

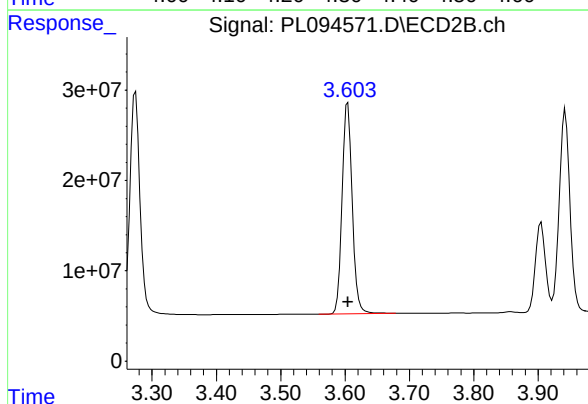
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 270359380
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

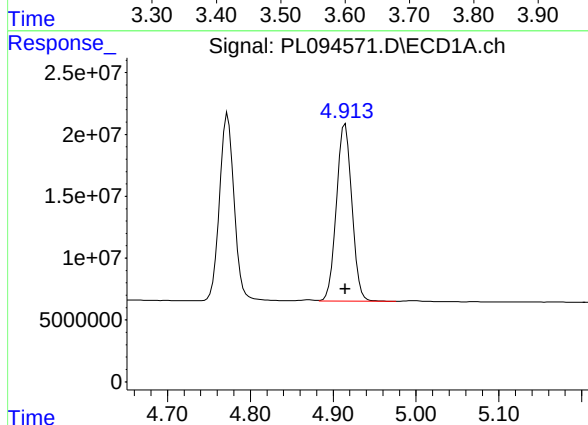
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192070832
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



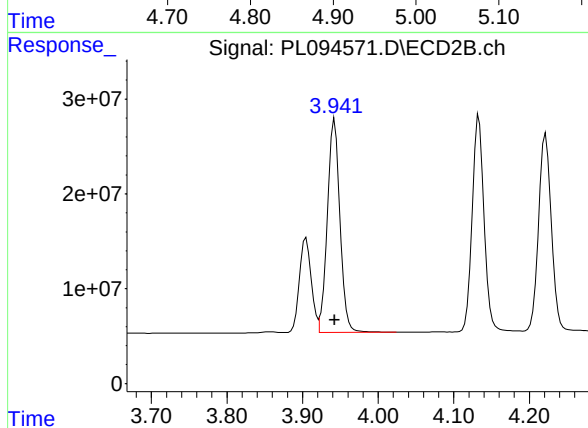
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 256626482
Conc: 50.00 ng/ml



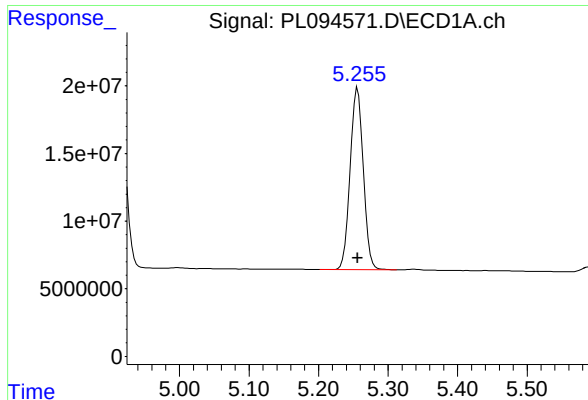
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 185890860
Conc: 50.00 ng/ml



#4 Heptachlor

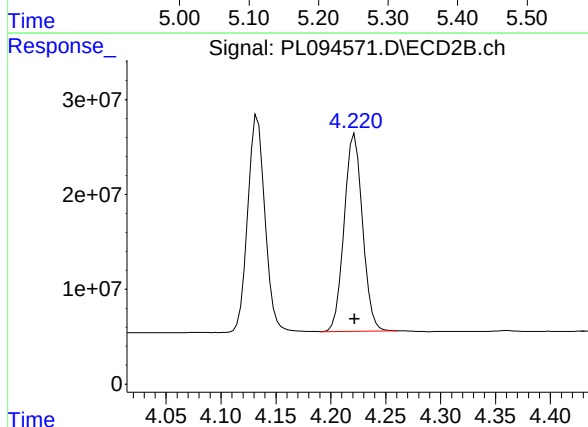
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 261438317
Conc: 50.00 ng/ml



#5 Aldrin

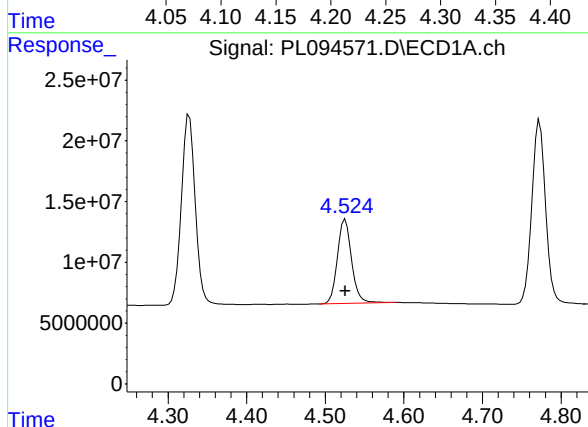
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 176587729
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



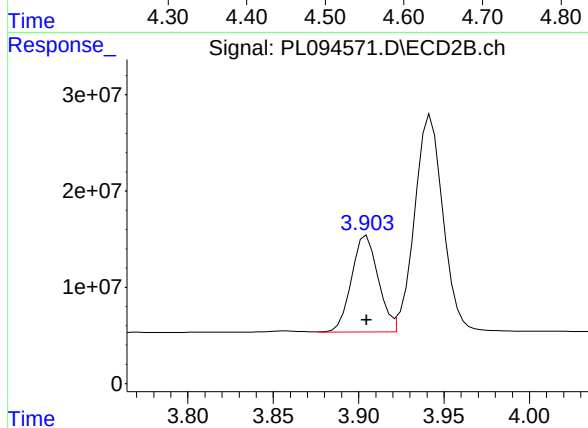
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: 0.000 min
Response: 241861778
Conc: 50.00 ng/ml



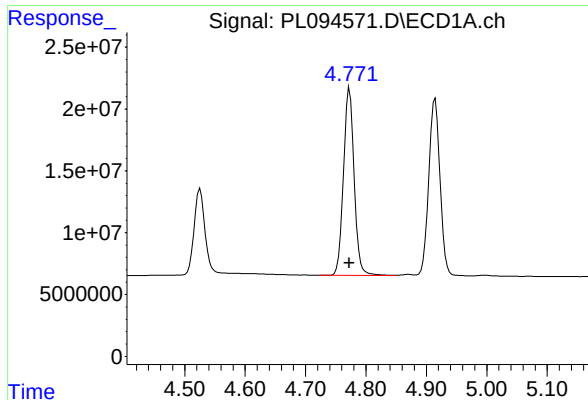
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 87145707
Conc: 50.00 ng/ml



#6 beta-BHC

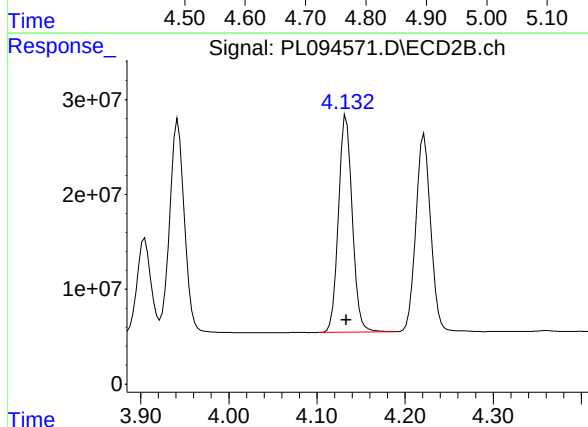
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 108608578
Conc: 50.00 ng/ml



#7 delta-BHC

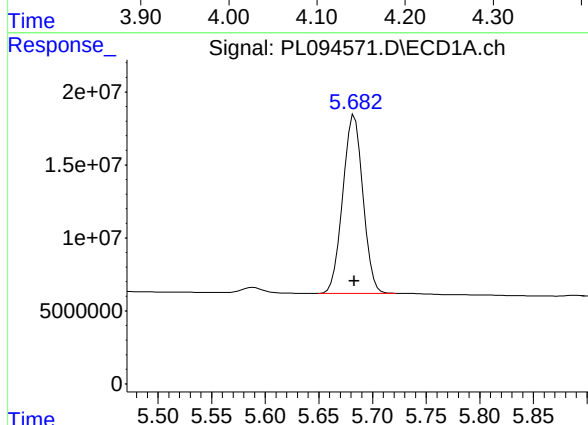
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186003116
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



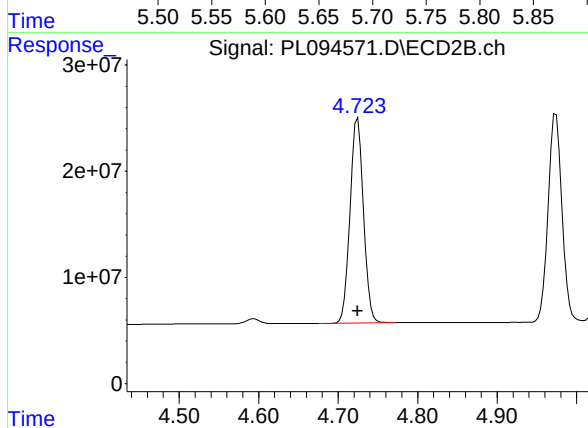
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 249725047
Conc: 50.00 ng/ml



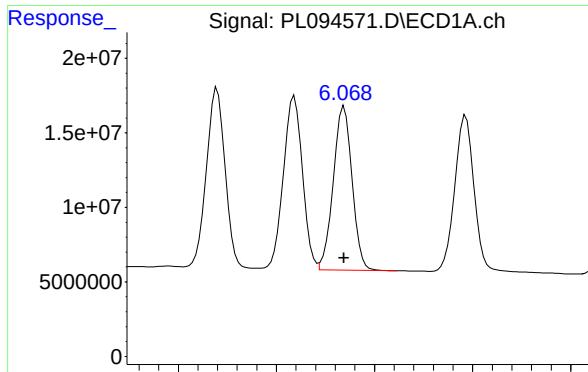
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 159863928
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

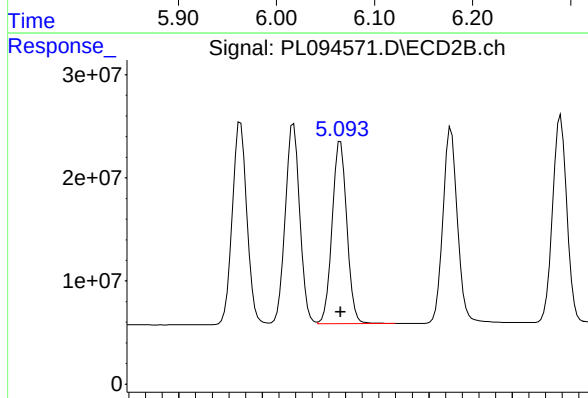
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 226476106
Conc: 50.00 ng/ml



#9 Endosulfan I

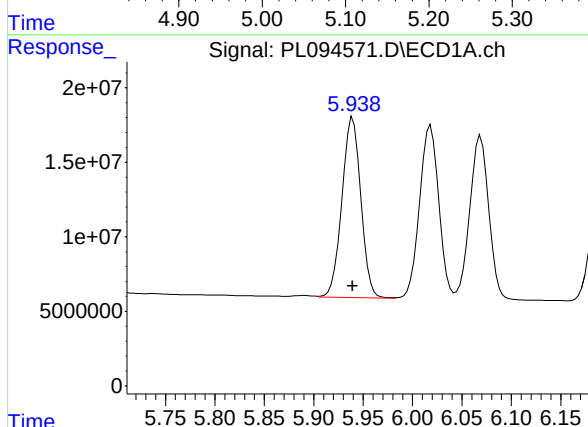
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 146211036
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



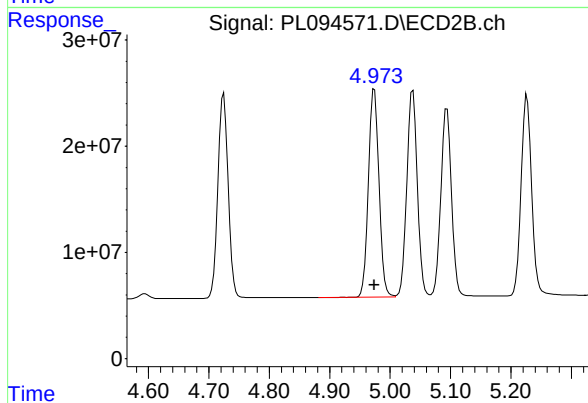
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 217315124
Conc: 50.00 ng/ml



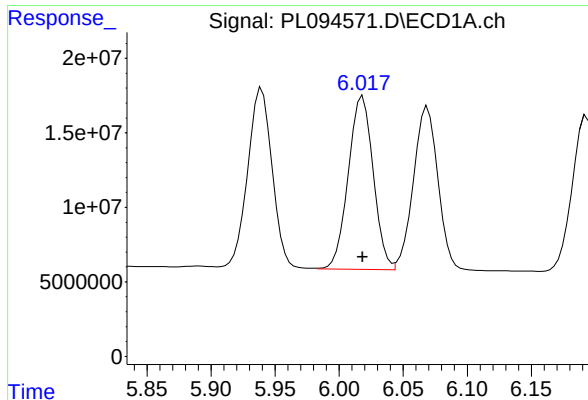
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 160391391
Conc: 50.00 ng/ml



#10 gamma-Chlordane

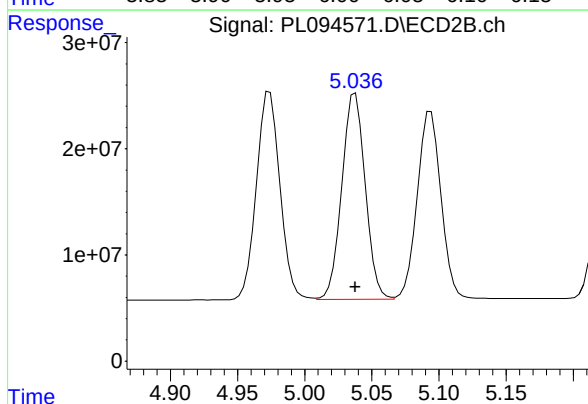
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 238530717
Conc: 50.00 ng/ml



#11 alpha-Chlordane

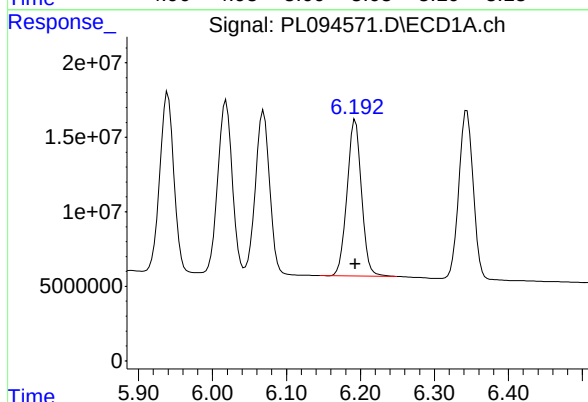
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157277512
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



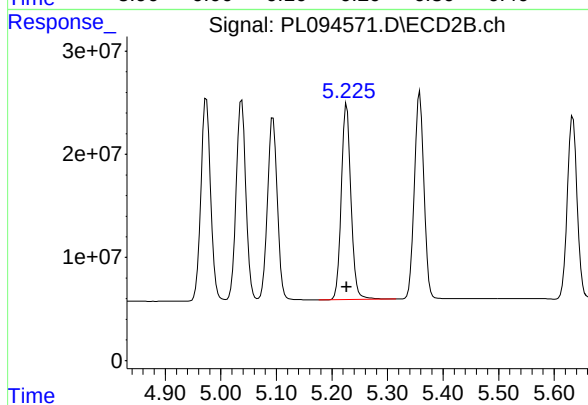
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 235568619
Conc: 50.00 ng/ml



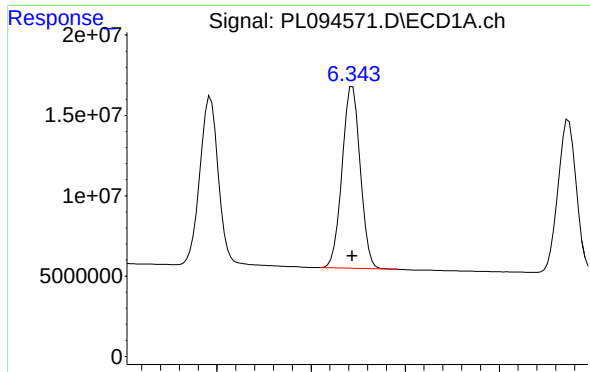
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 142208390
Conc: 50.00 ng/ml



#12 4,4'-DDE

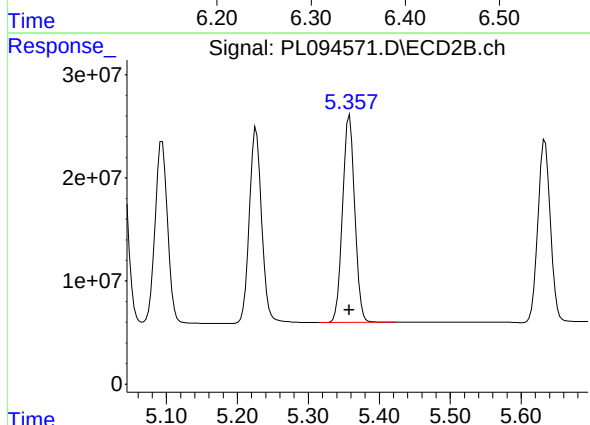
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 229476795
Conc: 50.00 ng/ml



#13 Dieldrin

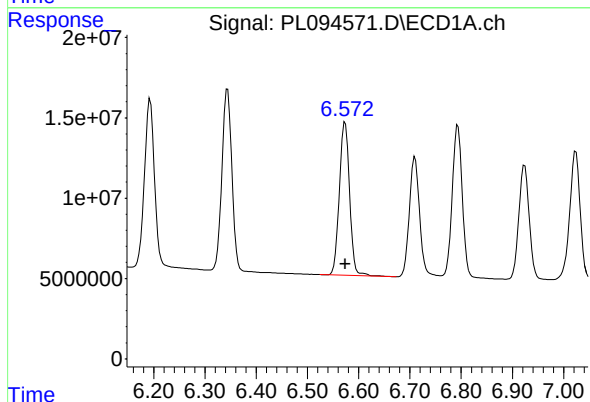
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 152019217
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



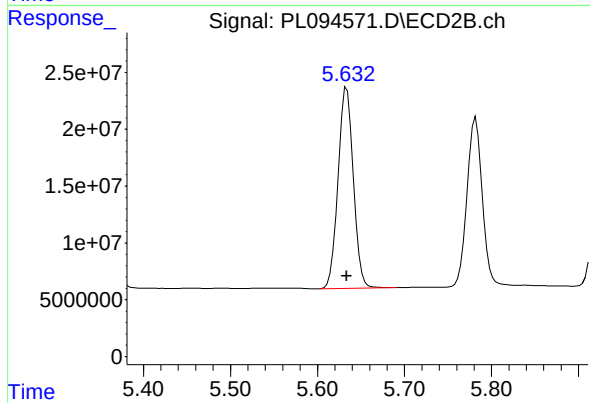
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 239556465
Conc: 50.00 ng/ml



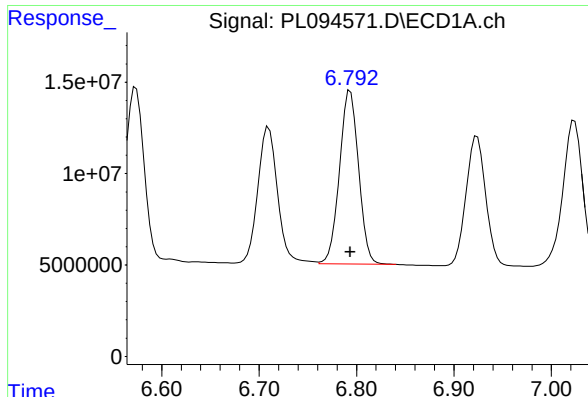
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 131439704
Conc: 50.00 ng/ml



#14 Endrin

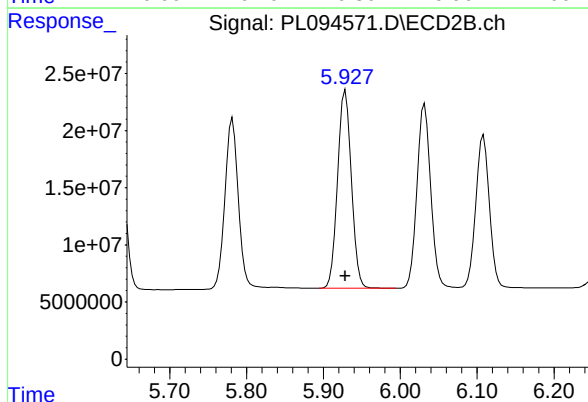
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 216302938
Conc: 50.00 ng/ml



#15 Endosulfan II

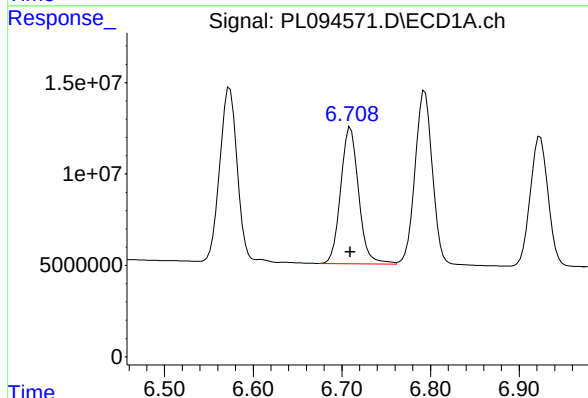
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 128973277
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



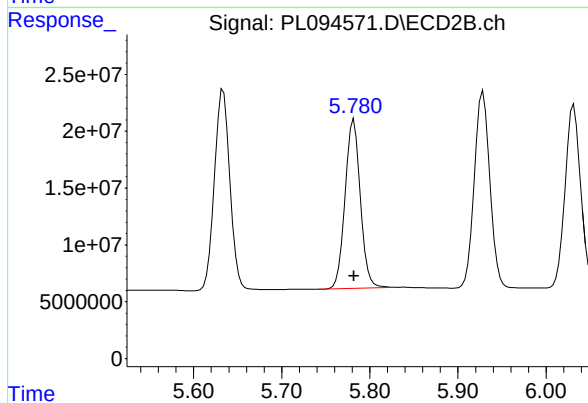
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 212782583
Conc: 50.00 ng/ml



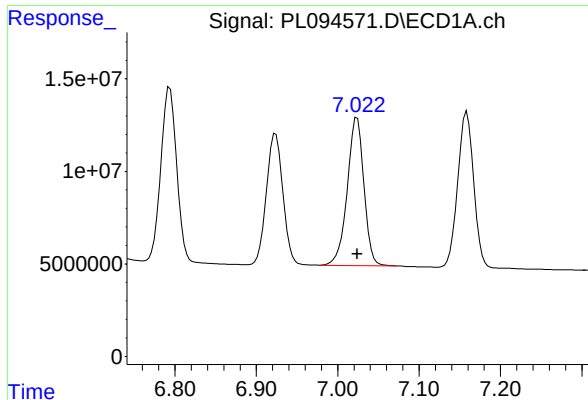
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 104861047
Conc: 50.00 ng/ml



#16 4,4'-DDD

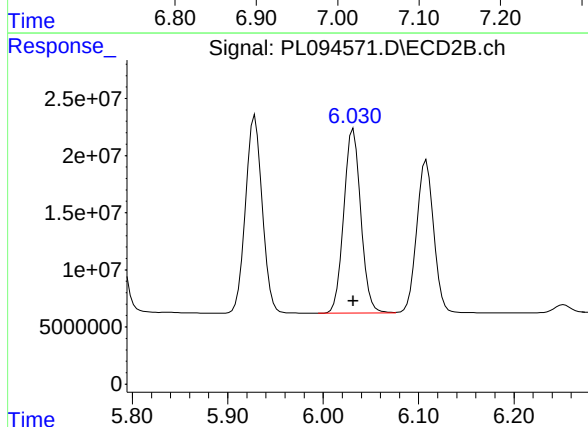
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 179139916
Conc: 50.00 ng/ml



#17 4,4'-DDT

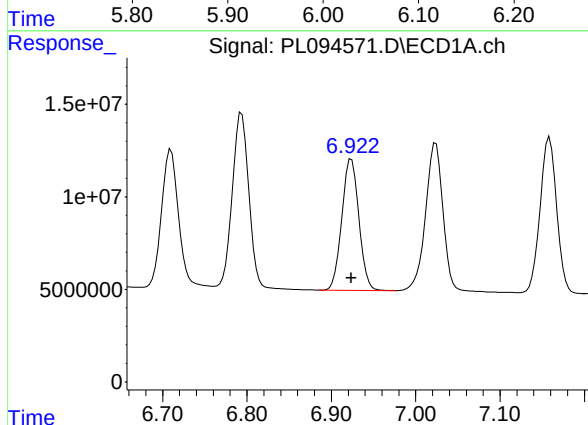
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114135799
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



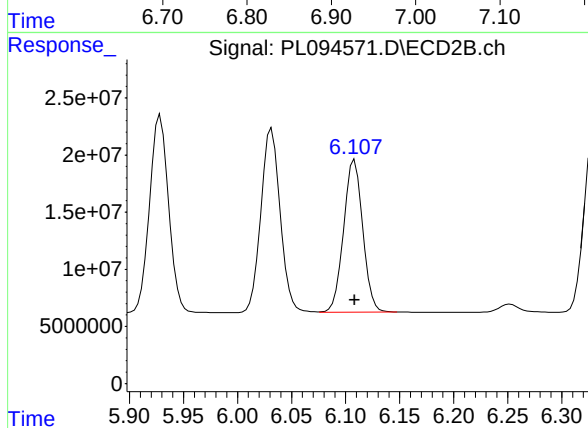
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 200714926
Conc: 50.00 ng/ml



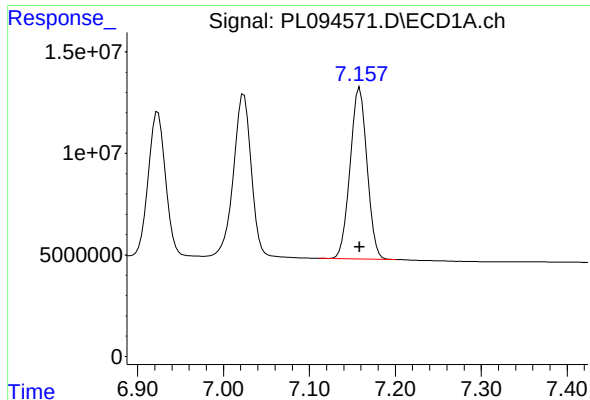
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 99751178
Conc: 50.00 ng/ml



#18 Endrin aldehyde

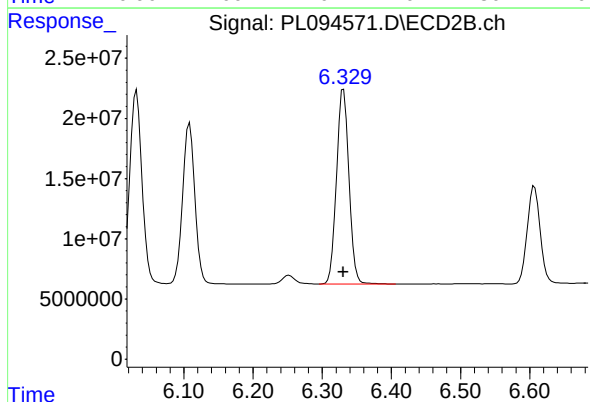
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 163954531
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

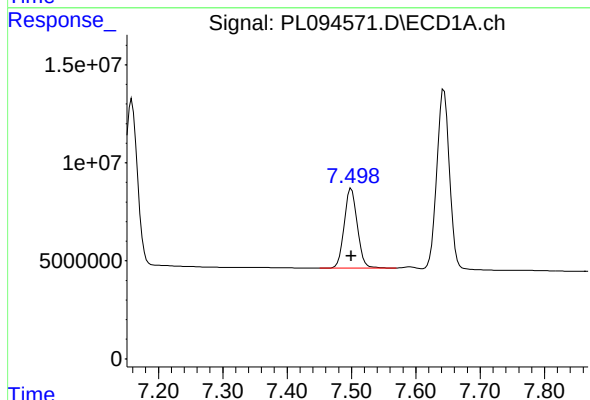
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 114763710
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



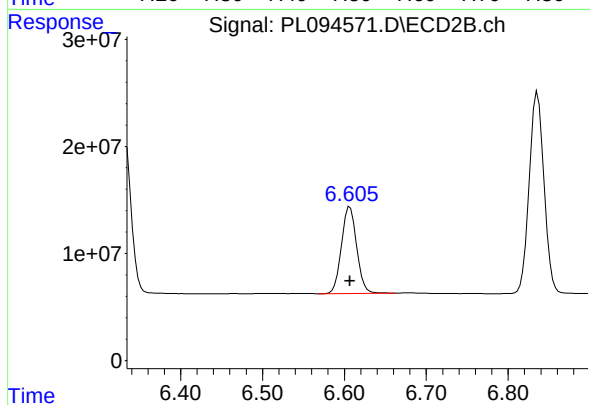
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 201637820
Conc: 50.00 ng/ml



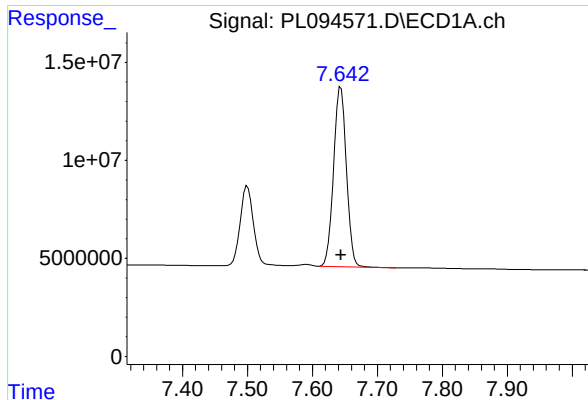
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 57407619
Conc: 50.00 ng/ml



#20 Methoxychlor

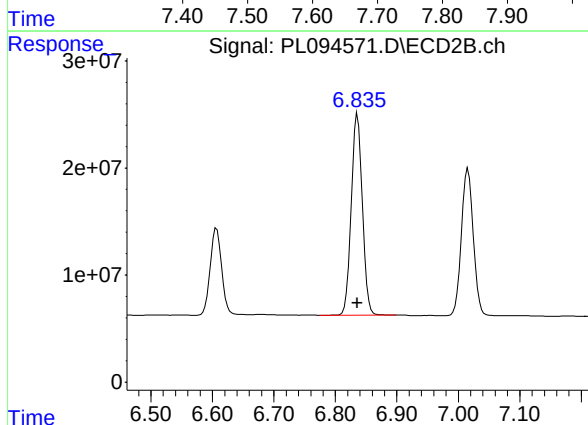
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 104967475
Conc: 50.00 ng/ml



#21 Endrin ketone

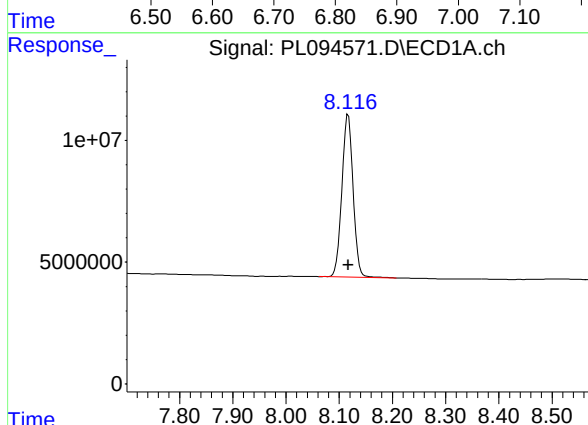
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 125237492
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



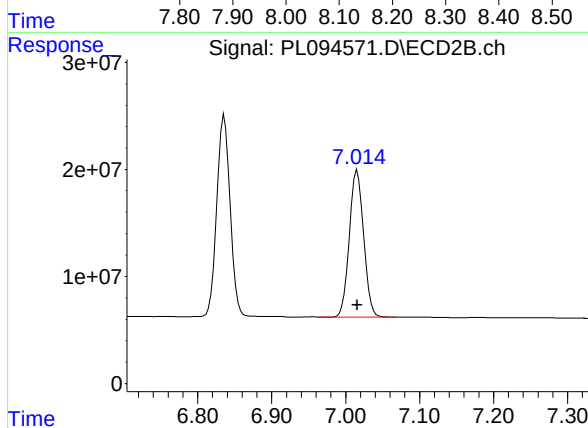
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 235374964
Conc: 50.00 ng/ml



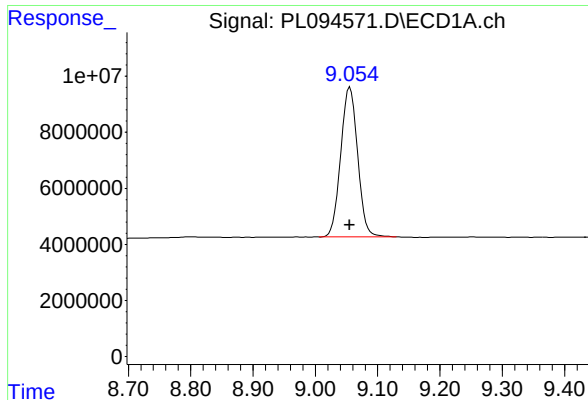
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 98343828
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 184180134
Conc: 50.00 ng/ml

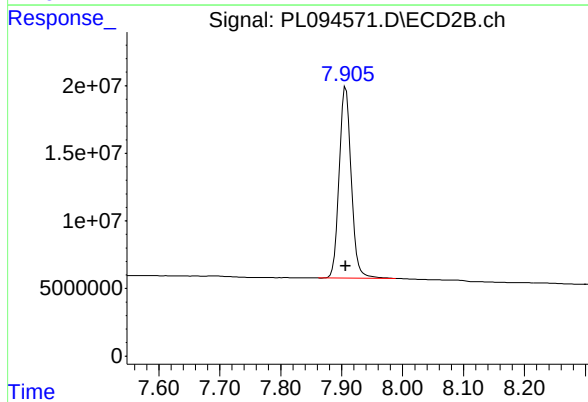


#28 Decachlorobiphenyl

ICAL Form

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 101020675
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 195197693
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:16
 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: Mar 11 17:28:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	73066671	90599228	26.558	25.492
28) SA Decachlor...	9.055	7.907	54905551	102.4E6	27.058	25.890
Target Compounds						
2) A alpha-BHC	3.994	3.274	105.2E6	134.6E6	25.874	24.443
3) MA gamma-BHC...	4.327	3.604	101.5E6	126.8E6	26.009	24.372
4) MA Heptachlor	4.914	3.942	99149732	131.8E6	26.457	24.959
5) MB Aldrin	5.256	4.221	94187974	120.4E6	26.402	24.569
6) B beta-BHC	4.526	3.904	48079996	56269720	27.369	25.667
7) B delta-BHC	4.773	4.133	98323171	123.6E6	26.102	24.383
8) B Heptachlo...	5.683	4.724	84654368	114.8E6	26.382	25.152
9) A Endosulfan I	6.069	5.094	78452105	109.8E6	26.656	25.025
10) B gamma-Chl...	5.939	4.974	85736945	120.3E6	26.511	24.885
11) B alpha-Chl...	6.018	5.038	84236346	119.0E6	26.614	25.007
12) B 4,4'-DDE	6.192	5.226	75662927	117.7E6	26.403	25.252
13) MA Dieldrin	6.343	5.358	81751323	121.7E6	26.614	24.964
14) MA Endrin	6.573	5.633	70271451	108.3E6	26.492	24.865
15) B Endosulfa...	6.794	5.928	69950473	108.6E6	26.949	25.271
16) A 4,4'-DDD	6.709	5.781	55973758	88985458	26.562	24.571
17) MA 4,4'-DDT	7.024	6.031	61047291	100.3E6	26.444	24.621
18) B Endrin al...	6.924	6.108	54068010	84742965	27.140	25.673
19) B Endosulfa...	7.158	6.330	62993381	101.9E6	27.252	25.152
20) A Methoxychlor	7.499	6.606	31898493	53888956	27.254	25.571
21) B Endrin ke...	7.644	6.836	68364354	121.7E6	26.773	25.550
22) Mirex	8.116	7.015	54255455	97357778	27.632	26.224

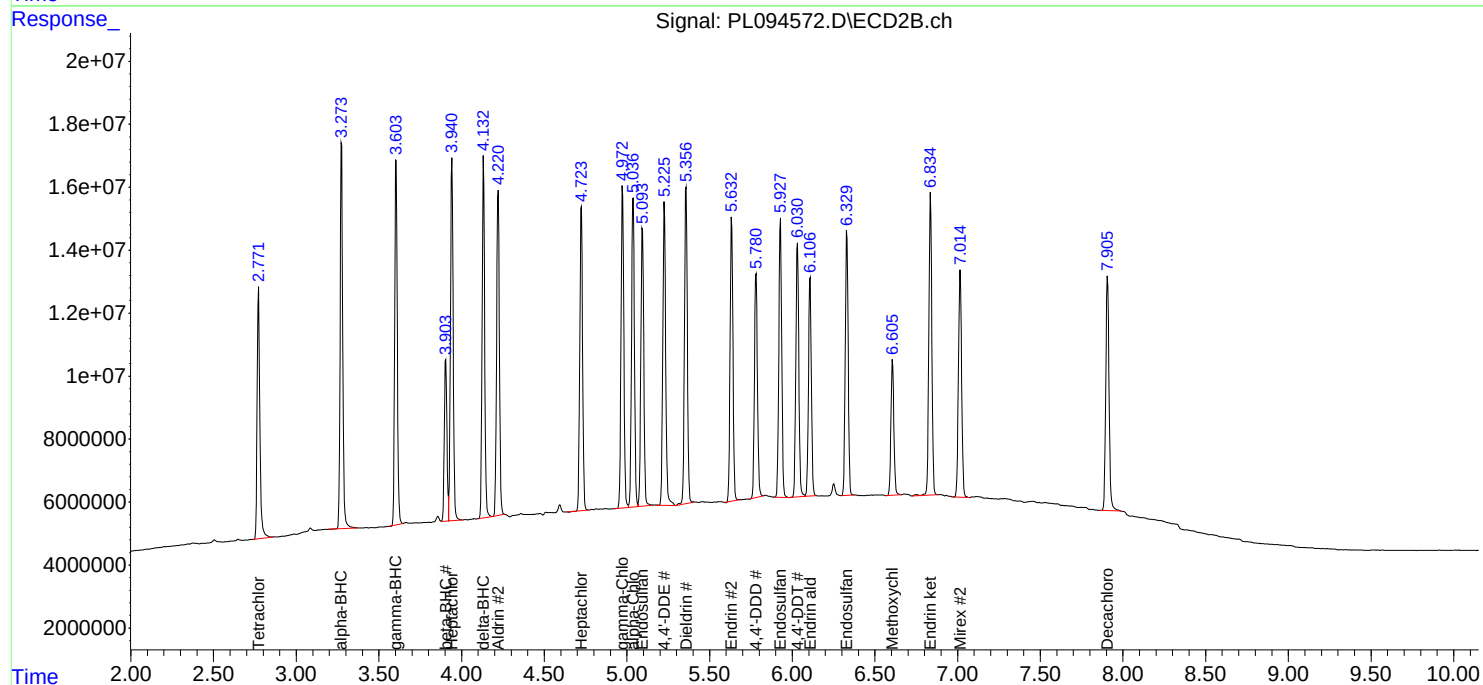
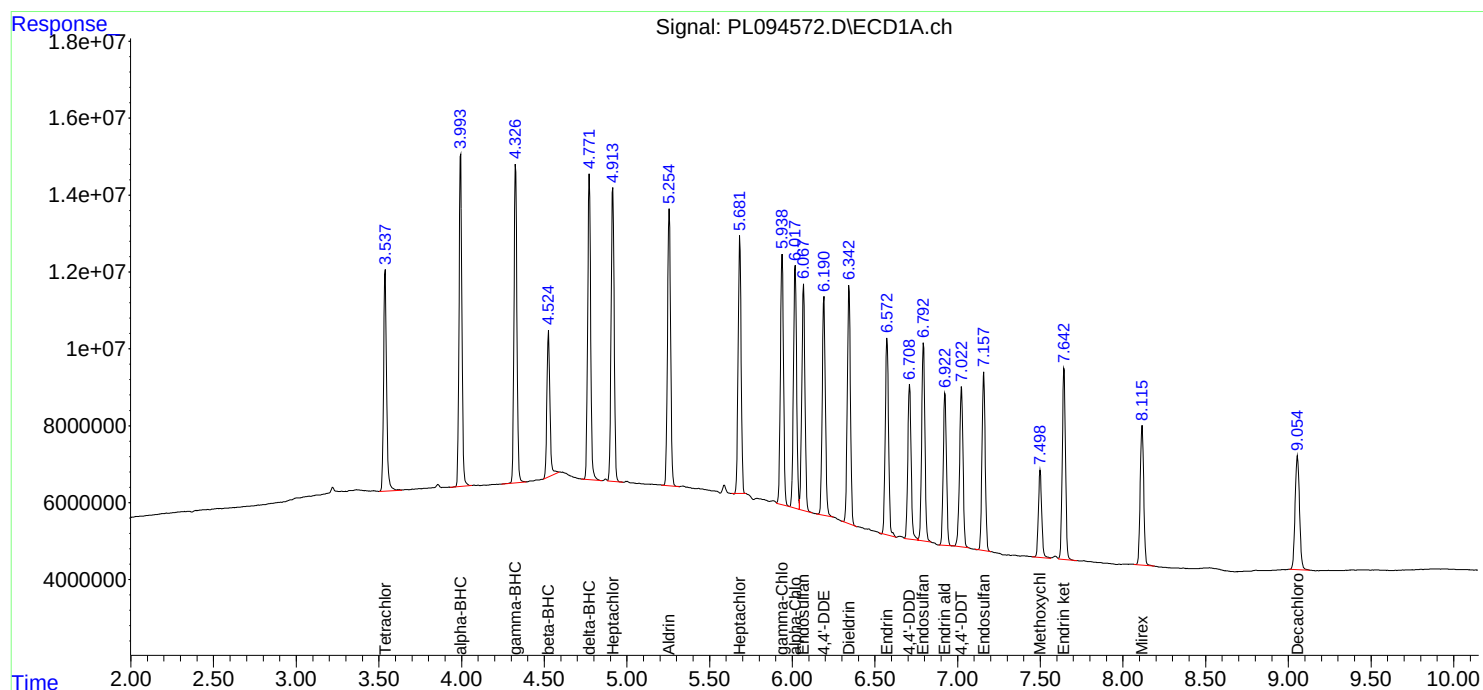
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

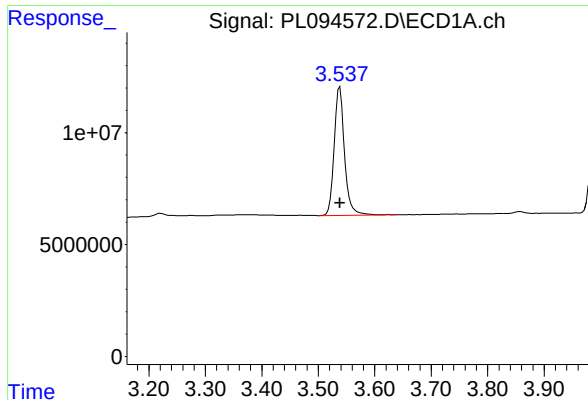
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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

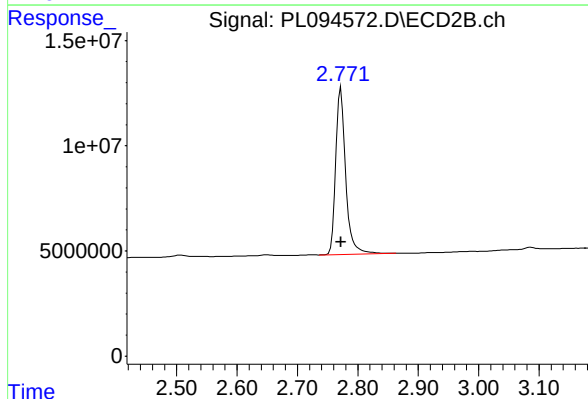




#1 Tetrachloro-m-xylene

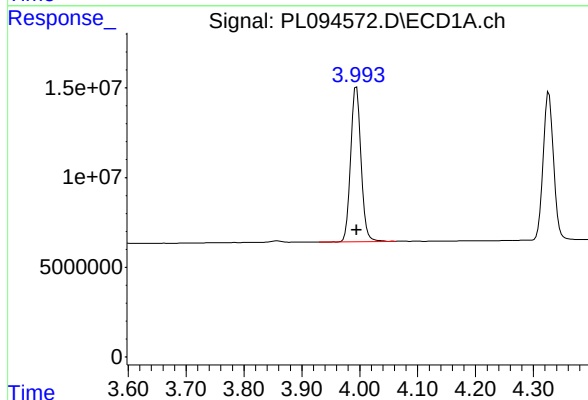
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 73066671
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



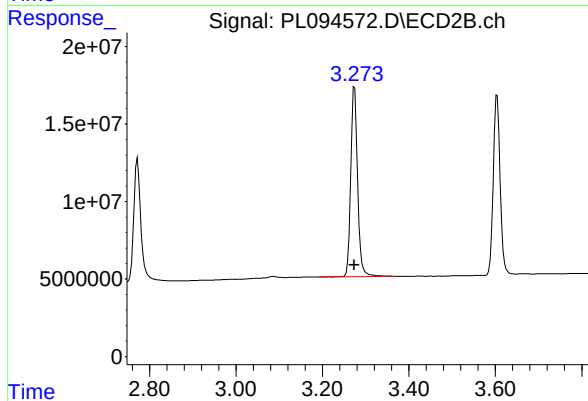
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 90599228
Conc: 25.49 ng/ml



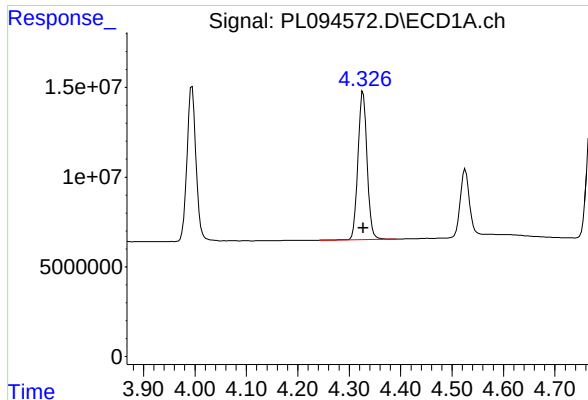
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 105178350
Conc: 25.87 ng/ml



#2 alpha-BHC

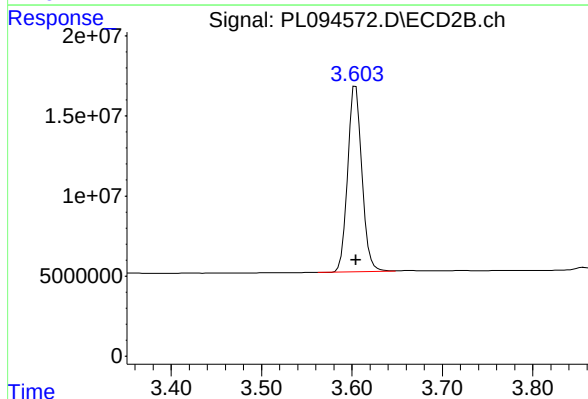
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 134567621
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

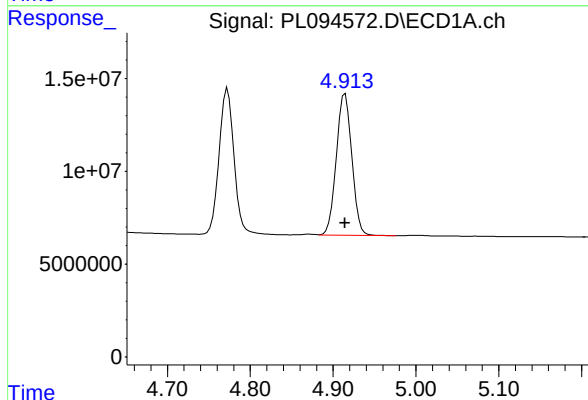
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 101519263
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



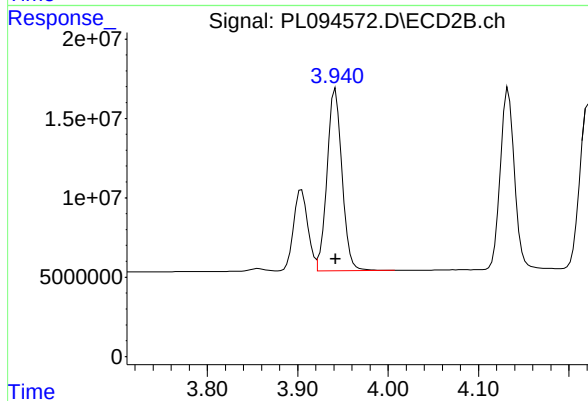
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 126768817
Conc: 24.37 ng/ml



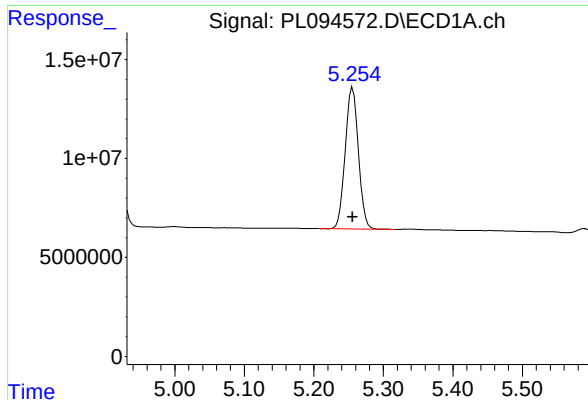
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 99149732
Conc: 26.46 ng/ml



#4 Heptachlor

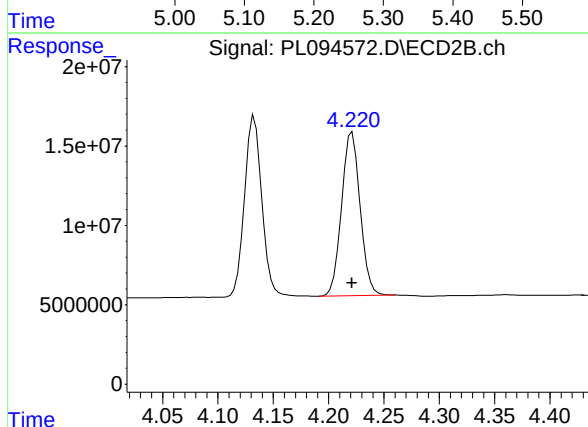
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 131830585
Conc: 24.96 ng/ml



#5 Aldrin

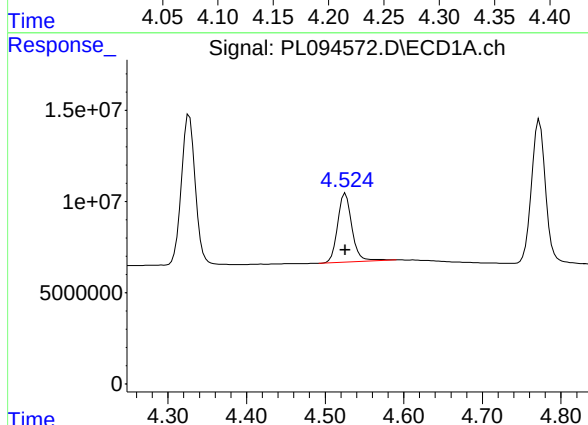
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 94187974
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



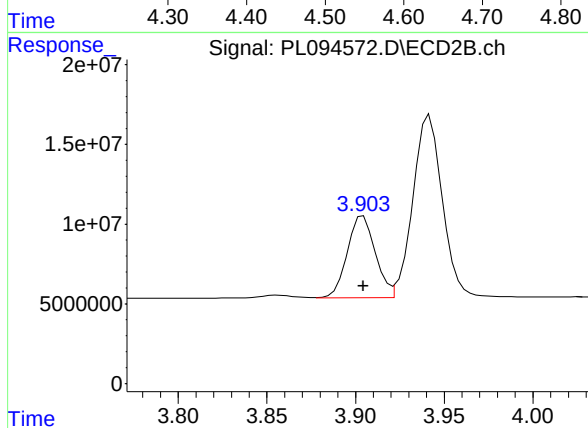
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 120387334
Conc: 24.57 ng/ml



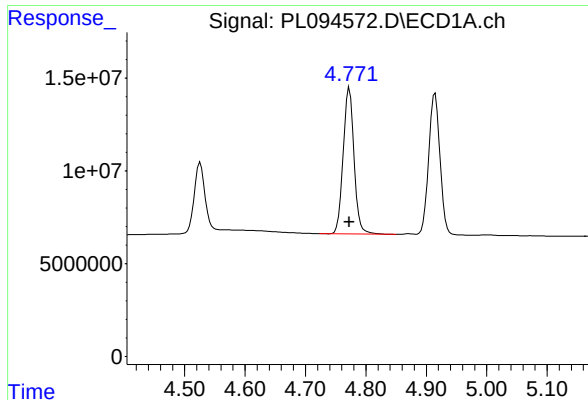
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 48079996
Conc: 27.37 ng/ml



#6 beta-BHC

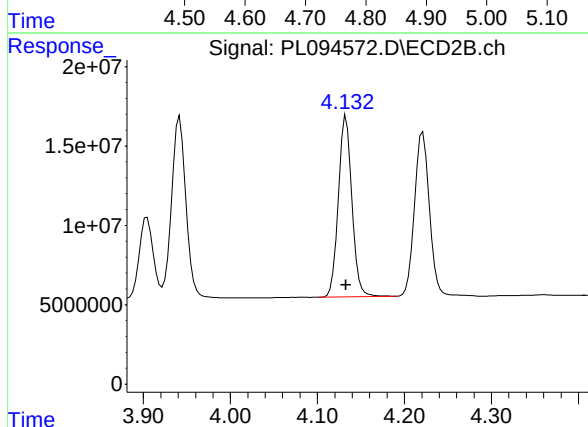
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 56269720
Conc: 25.67 ng/ml



#7 delta-BHC

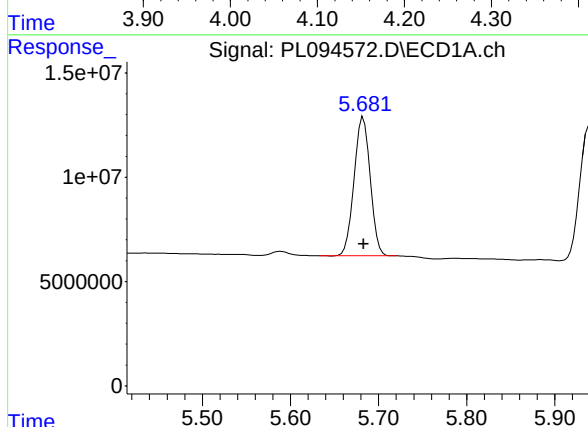
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98323171
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



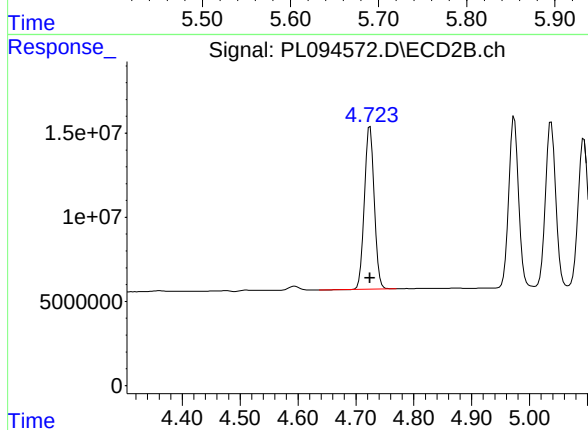
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 123559066
Conc: 24.38 ng/ml



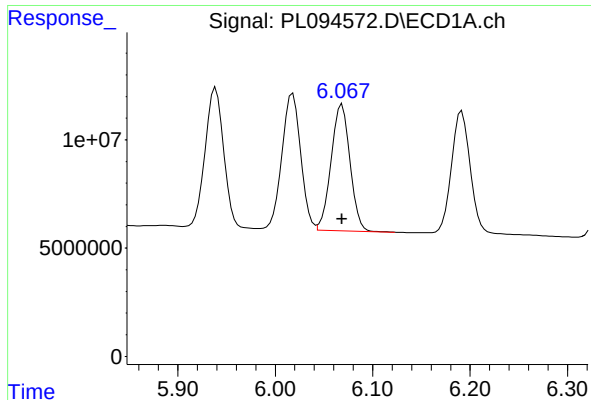
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 84654368
Conc: 26.38 ng/ml



#8 Heptachlor epoxide

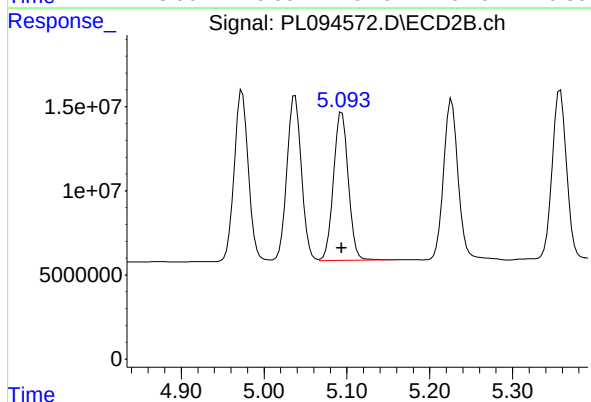
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 114828282
Conc: 25.15 ng/ml



#9 Endosulfan I

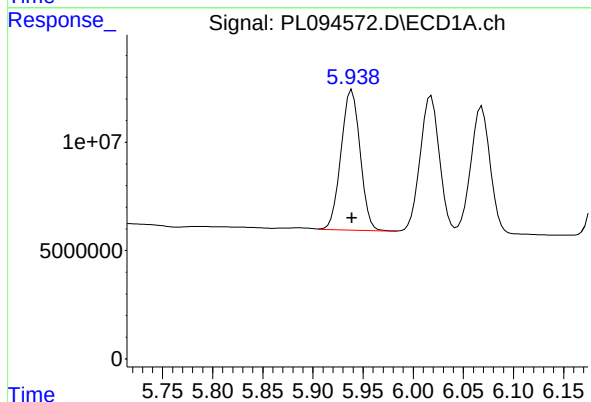
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 78452105
Conc: 26.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



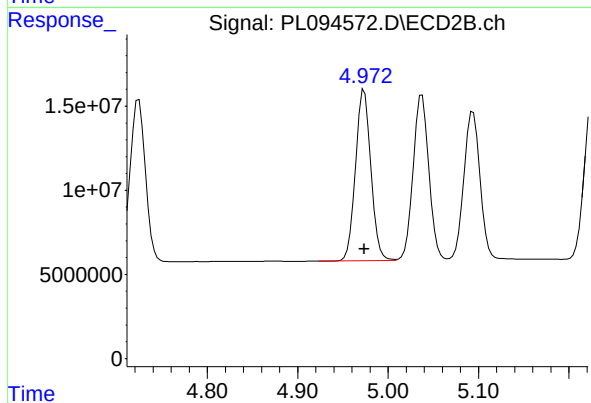
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 109840285
Conc: 25.03 ng/ml



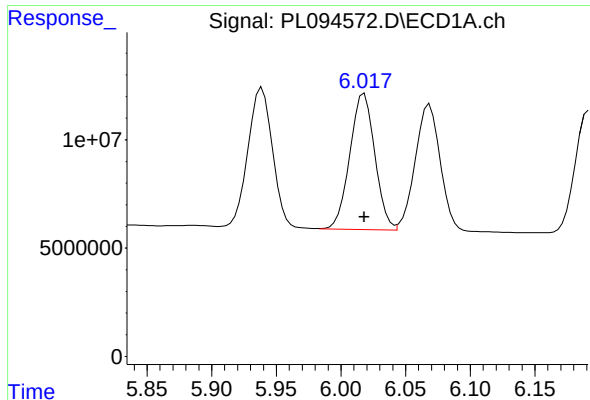
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 85736945
Conc: 26.51 ng/ml



#10 gamma-Chlordane

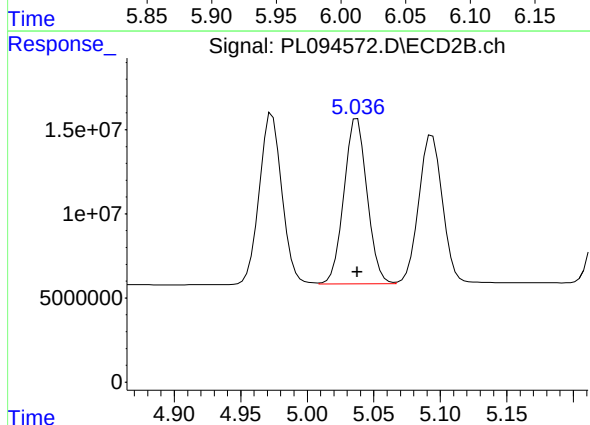
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 120286873
Conc: 24.88 ng/ml



#11 alpha-Chlordane

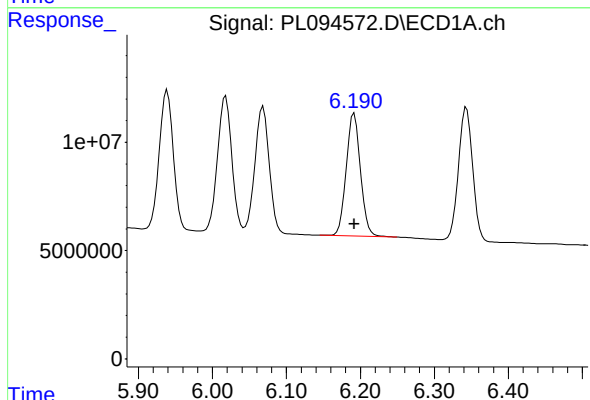
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 84236346
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



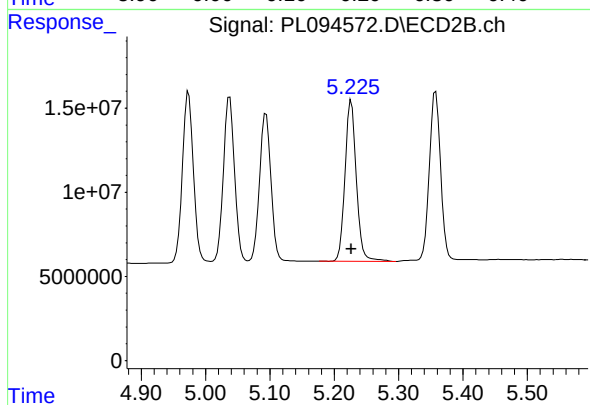
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 118995313
Conc: 25.01 ng/ml



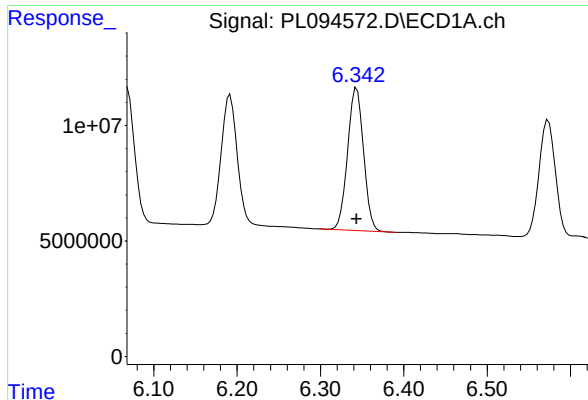
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 75662927
Conc: 26.40 ng/ml



#12 4,4'-DDE

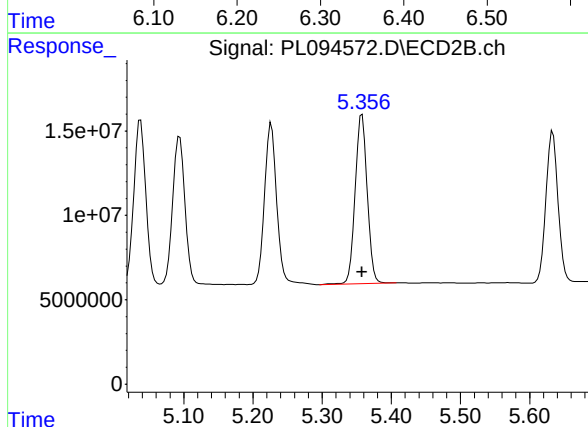
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 117694938
Conc: 25.25 ng/ml



#13 Dieldrin

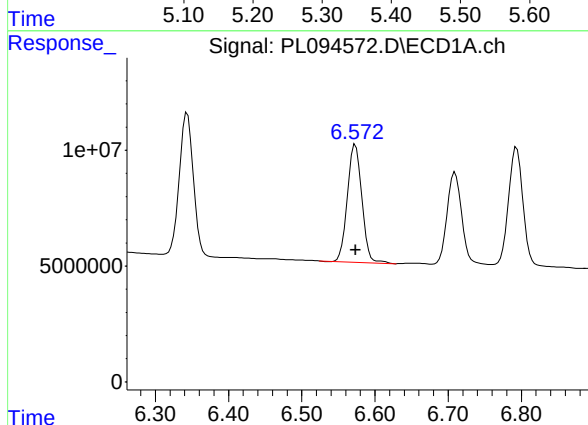
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 81751323
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



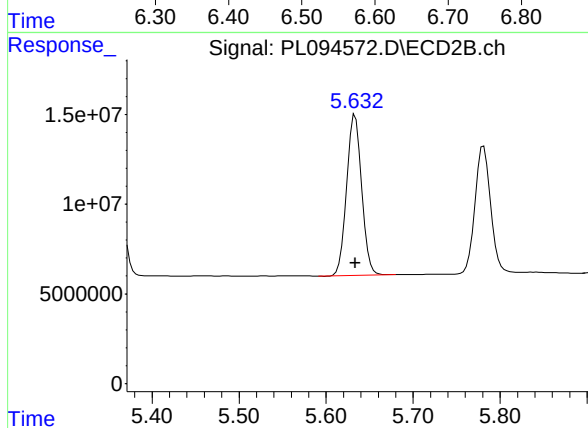
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 121723054
Conc: 24.96 ng/ml



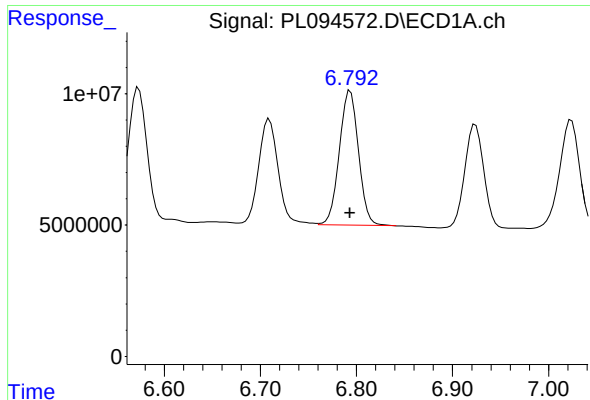
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 70271451
Conc: 26.49 ng/ml



#14 Endrin

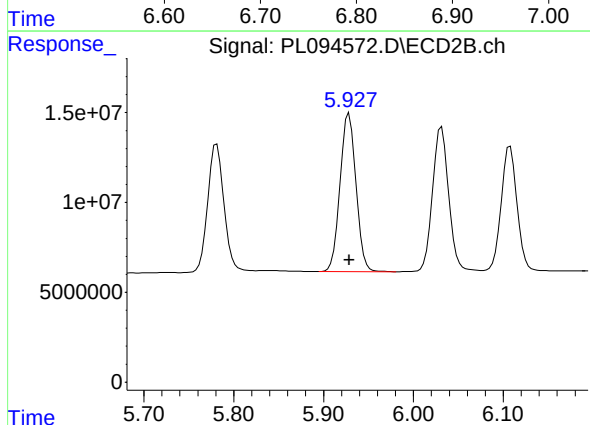
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 108262899
Conc: 24.86 ng/ml



#15 Endosulfan II

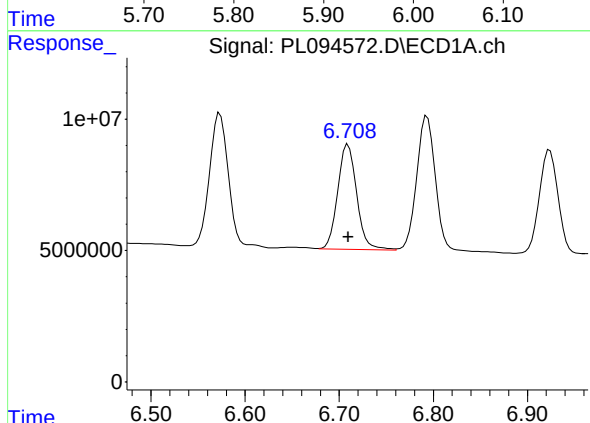
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 69950473
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



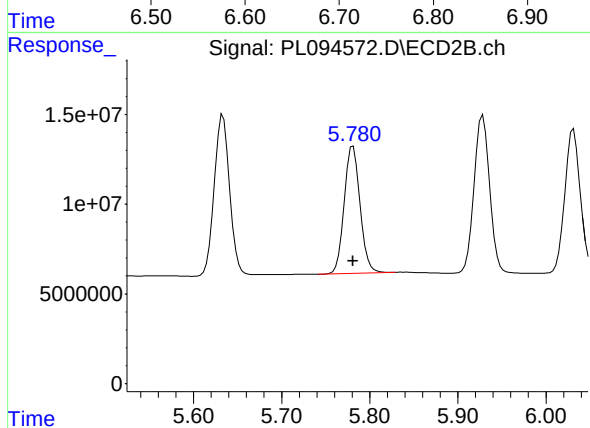
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 108555390
Conc: 25.27 ng/ml



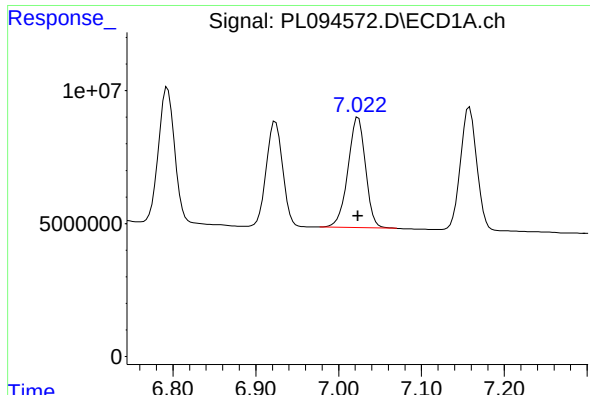
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 55973758
Conc: 26.56 ng/ml



#16 4,4'-DDD

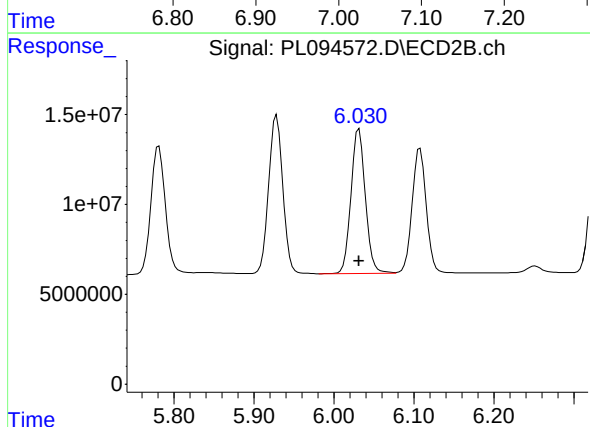
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 88985458
Conc: 24.57 ng/ml



#17 4,4'-DDT

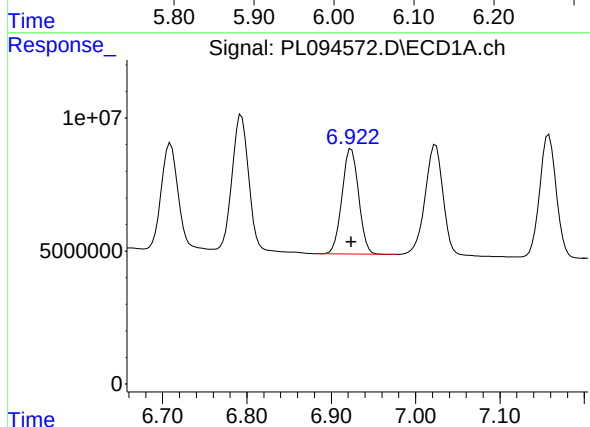
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 61047291
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



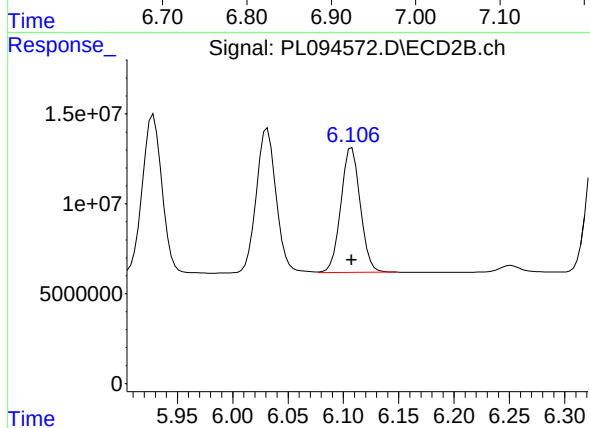
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 100289586
Conc: 24.62 ng/ml



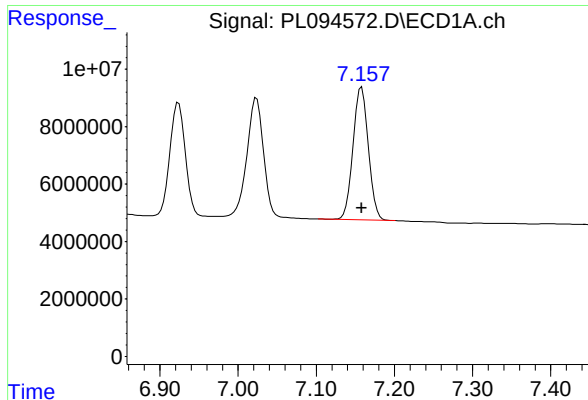
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 54068010
Conc: 27.14 ng/ml



#18 Endrin aldehyde

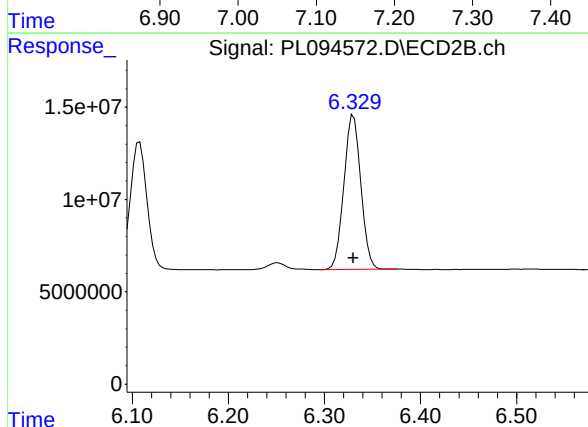
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 84742965
Conc: 25.67 ng/ml



#19 Endosulfan Sulfate

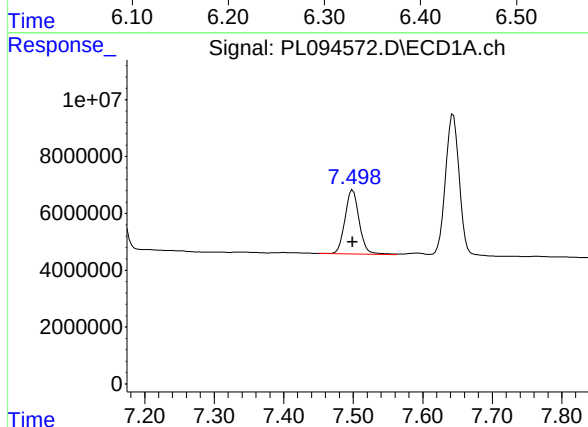
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 62993381
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



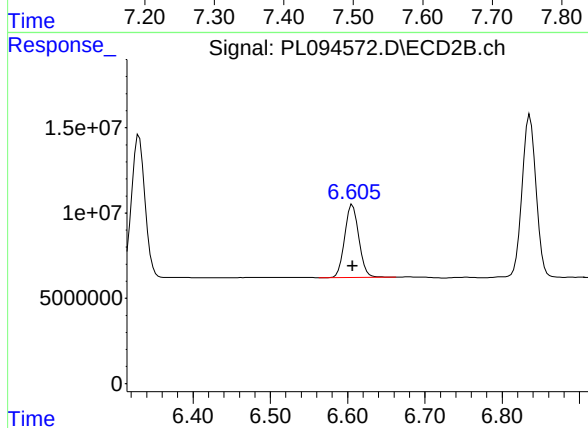
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 101866254
Conc: 25.15 ng/ml



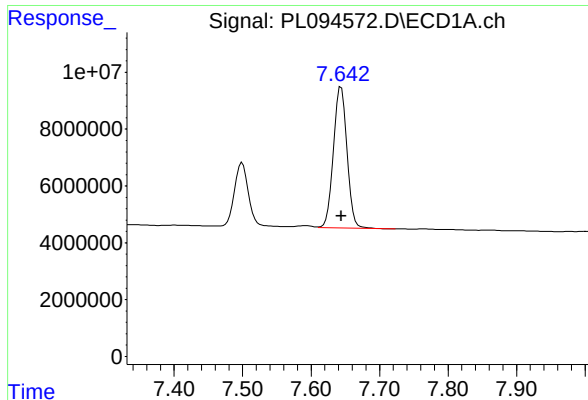
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 31898493
Conc: 27.25 ng/ml



#20 Methoxychlor

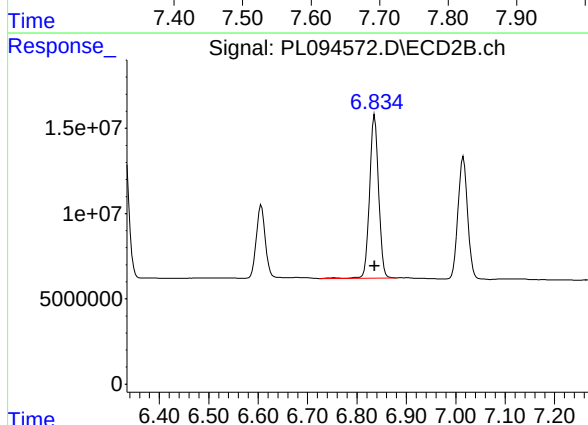
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 53888956
Conc: 25.57 ng/ml



#21 Endrin ketone

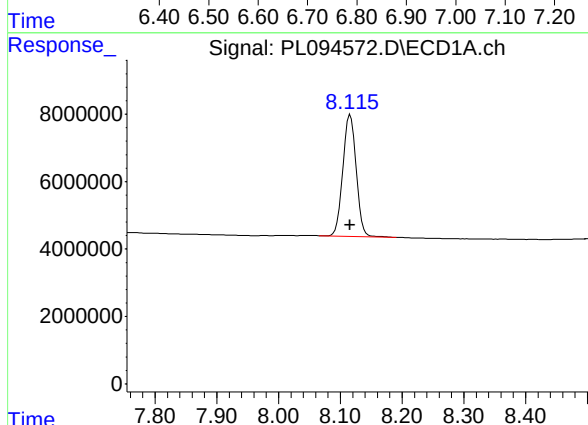
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 68364354
Conc: 26.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



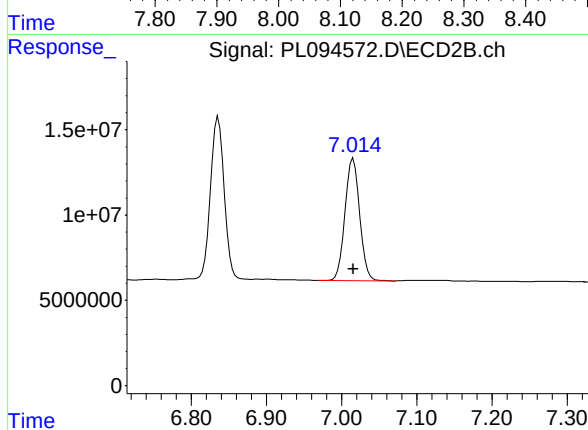
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 121723716
Conc: 25.55 ng/ml



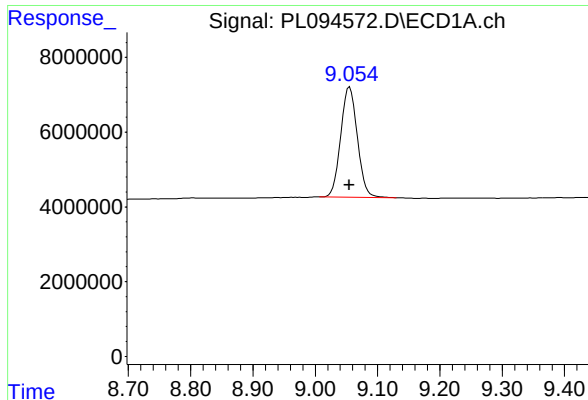
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 54255455
Conc: 27.63 ng/ml



#22 Mirex

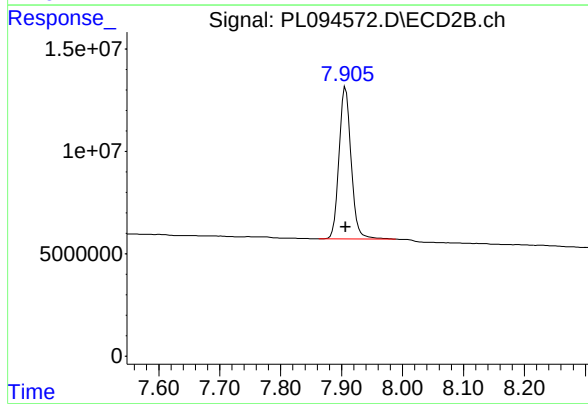
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 97357778
Conc: 26.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 54905551
Conc: 27.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 102381014
Conc: 25.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.224	16237816	22997354	5.519	4.945m
13) MA Dieldrin	6.343	5.356	18519033	23776399	5.791	4.897m
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.835	15012445	24031400	5.679	5.003m
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

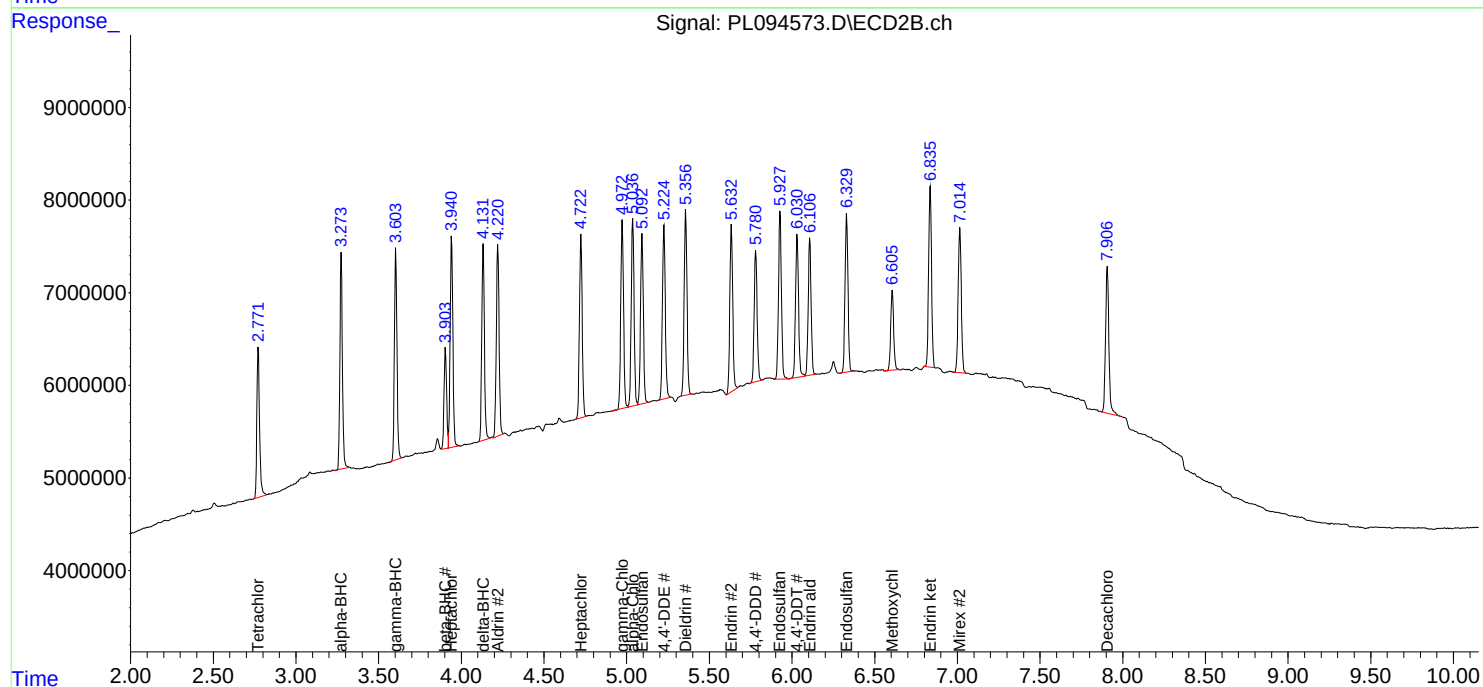
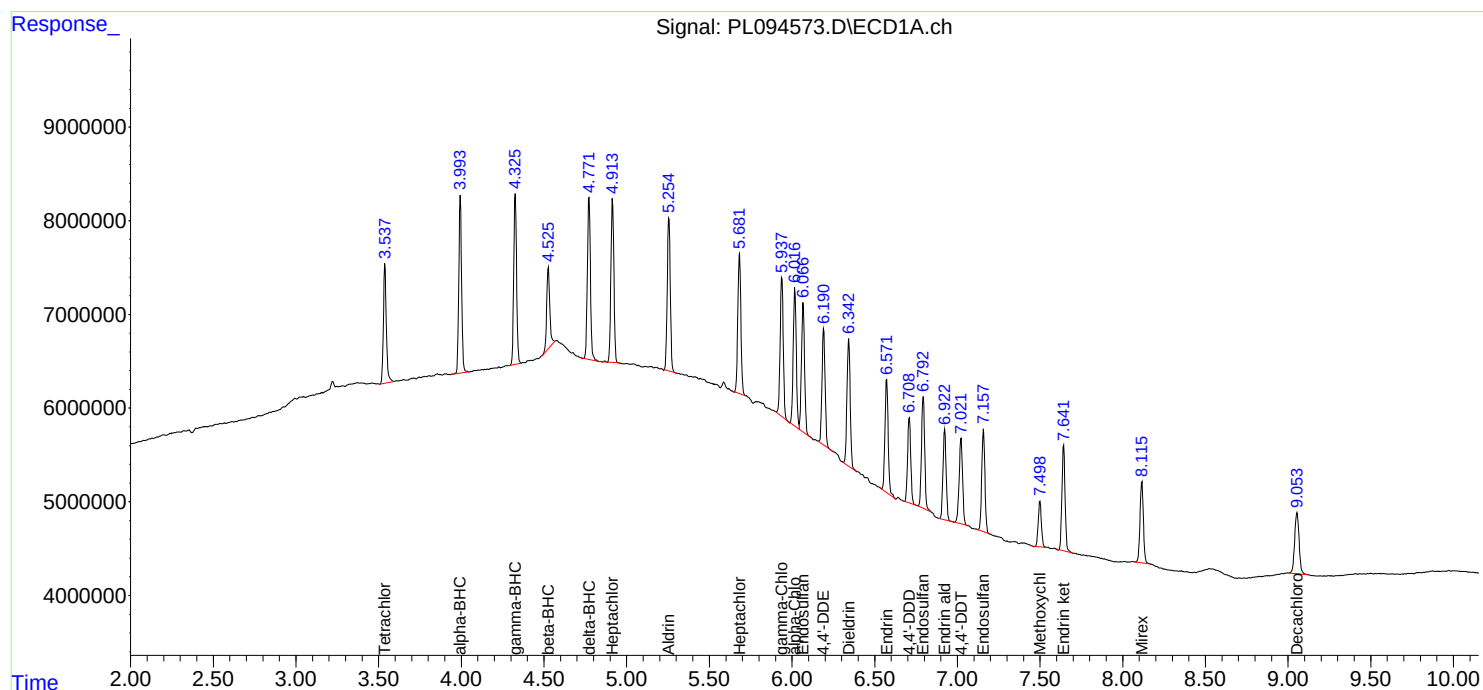
Manual Integrations

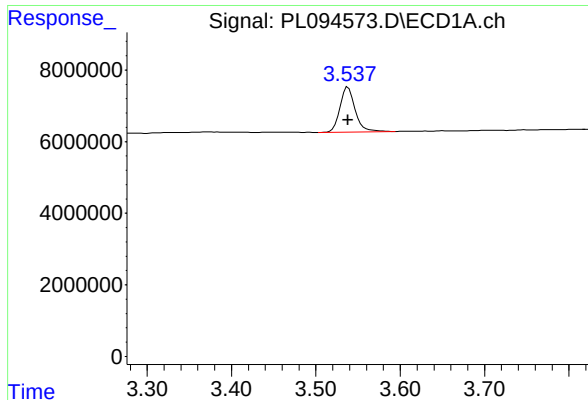
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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





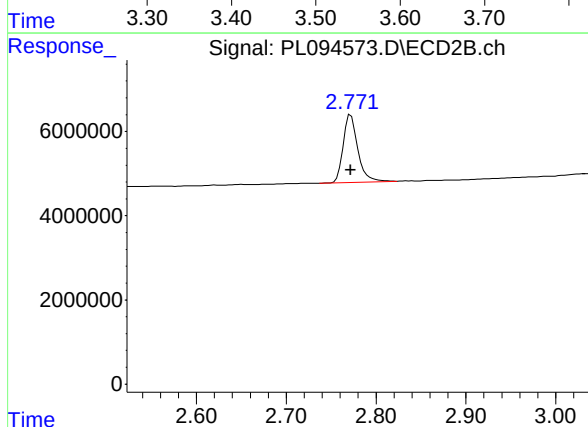
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 15742011
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

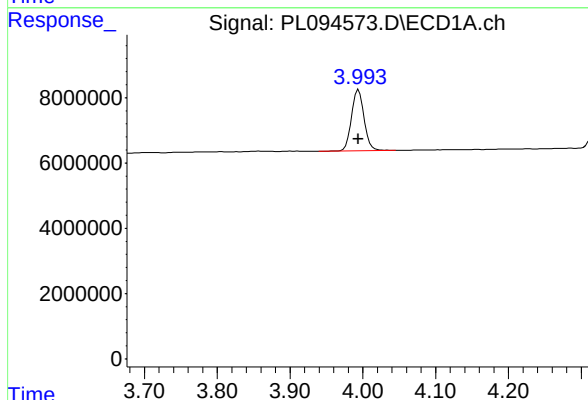
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



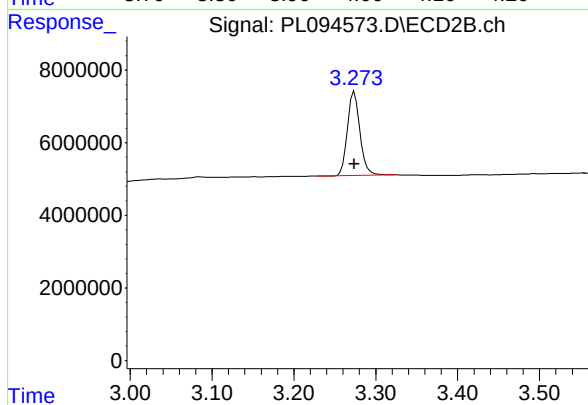
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 18150694
Conc: 5.09 ng/ml



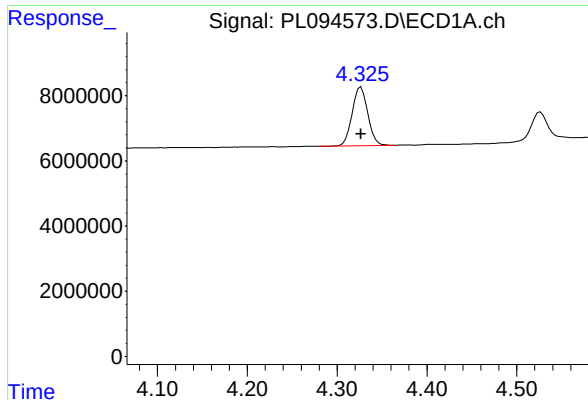
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 22508812
Conc: 5.42 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 24676980
Conc: 4.58 ng/ml



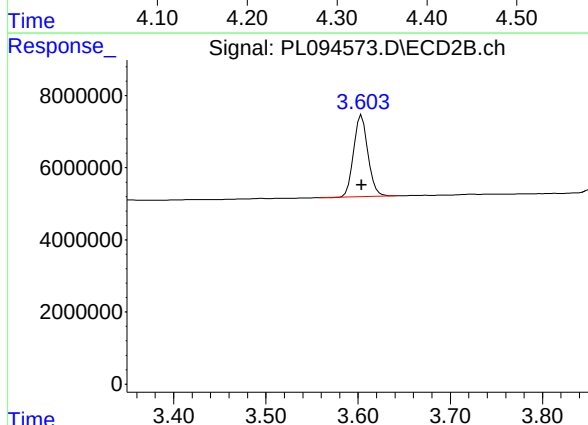
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 21692650
Conc: 5.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

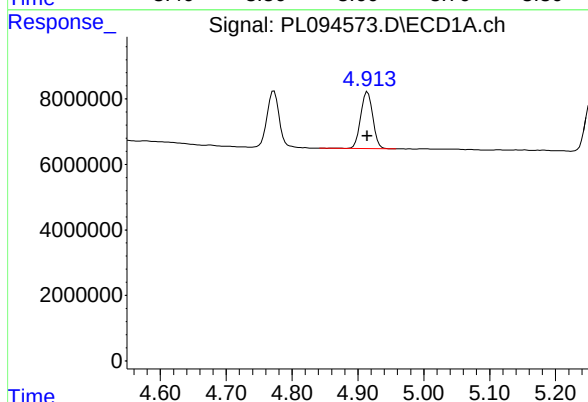
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



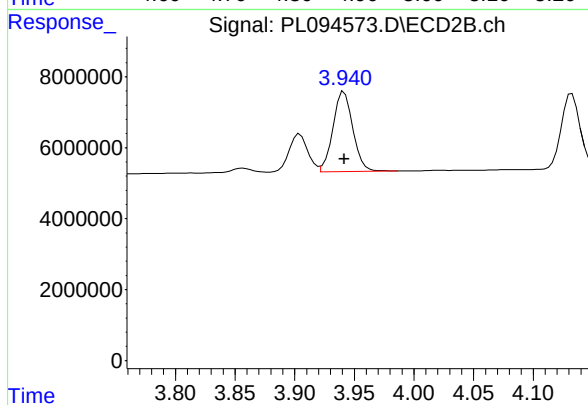
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 24458202
Conc: 4.76 ng/ml



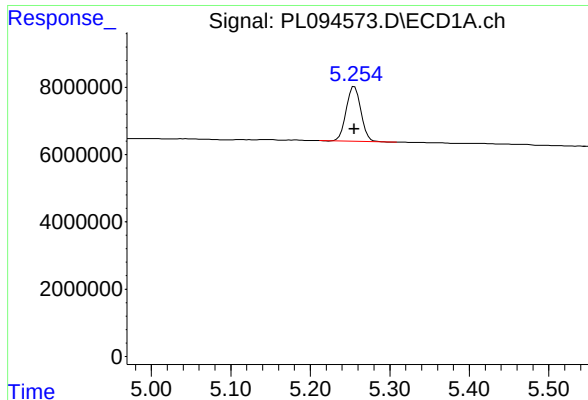
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 22087992
Conc: 5.69 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 26077247
Conc: 4.95 ng/ml



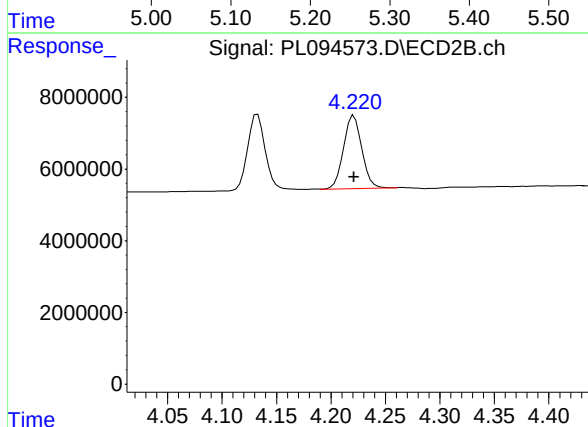
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20957367
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

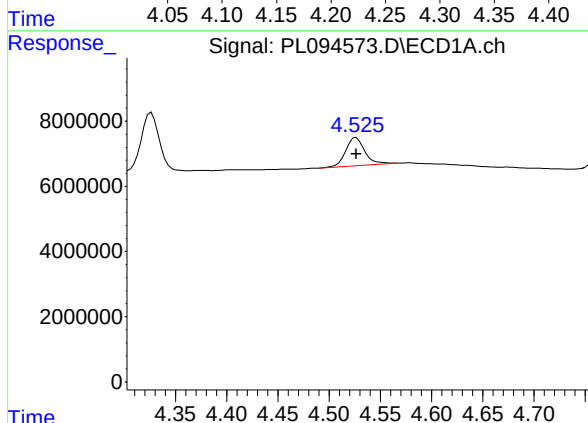
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



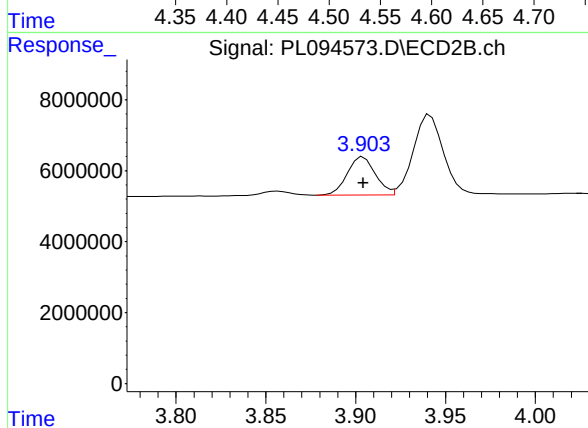
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 23908309
Conc: 4.90 ng/ml



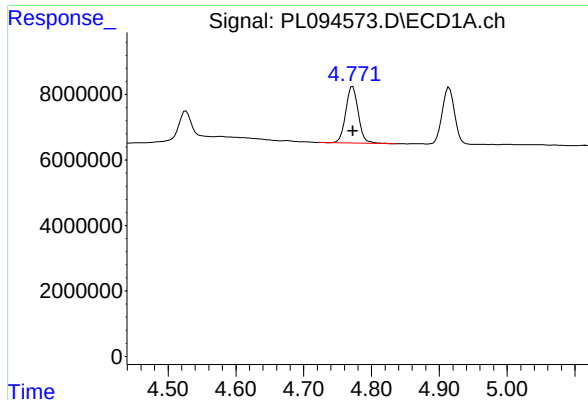
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 10995992
Conc: 5.96 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 11686040
Conc: 5.26 ng/ml



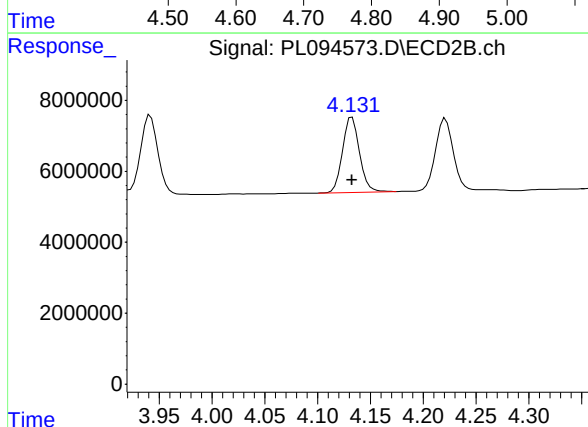
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 22020853
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

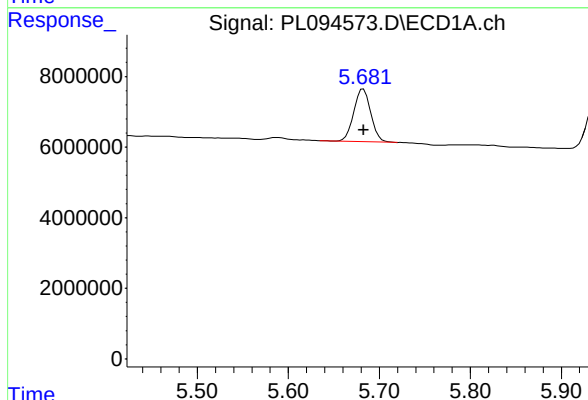
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



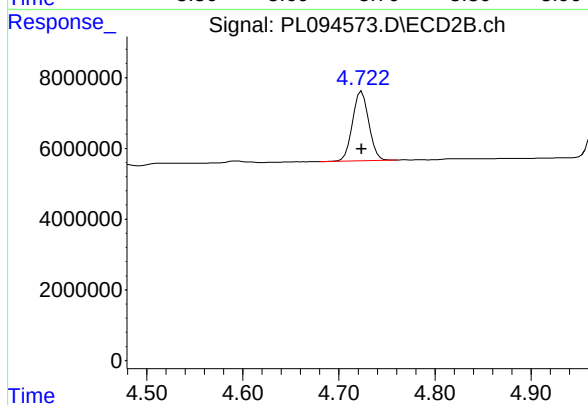
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 23699092
Conc: 4.74 ng/ml



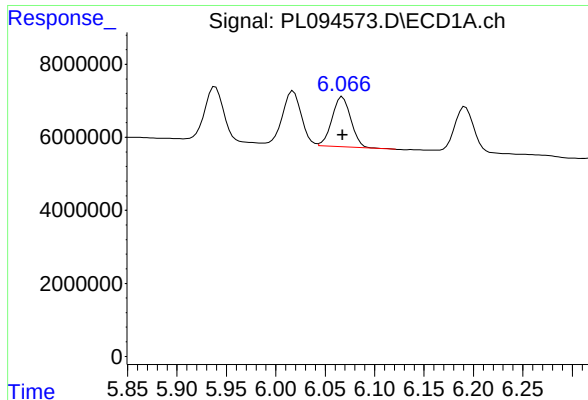
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 19453698
Conc: 5.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 23158906
Conc: 5.06 ng/ml



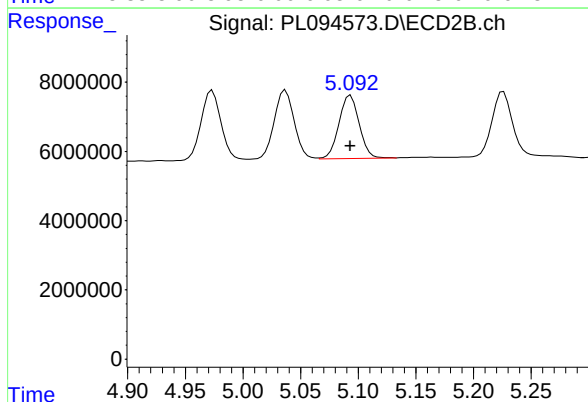
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17891515
Conc: 5.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

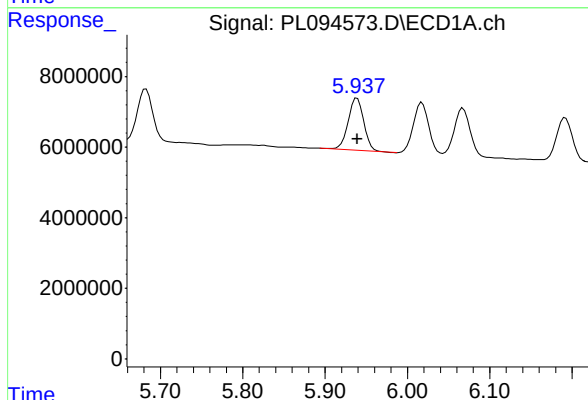
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



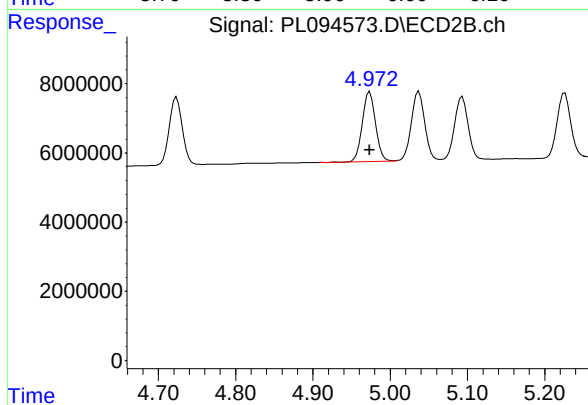
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21935089
Conc: 5.00 ng/ml



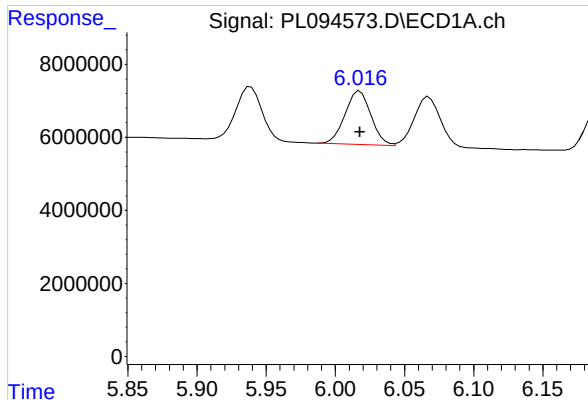
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 19554071
Conc: 5.80 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 24034465
Conc: 4.98 ng/ml



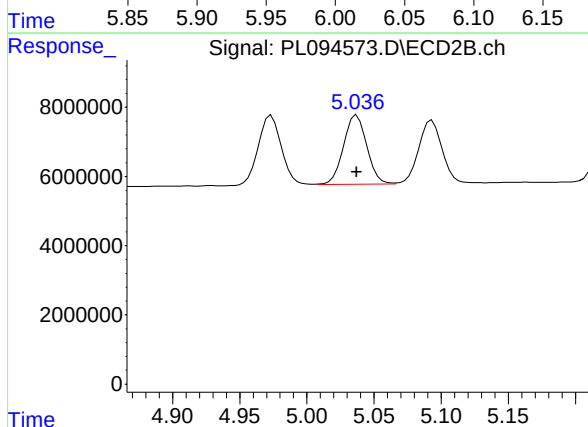
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 19118493
Conc: 5.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

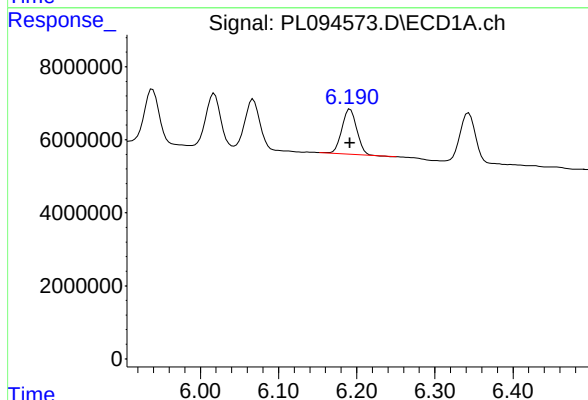
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



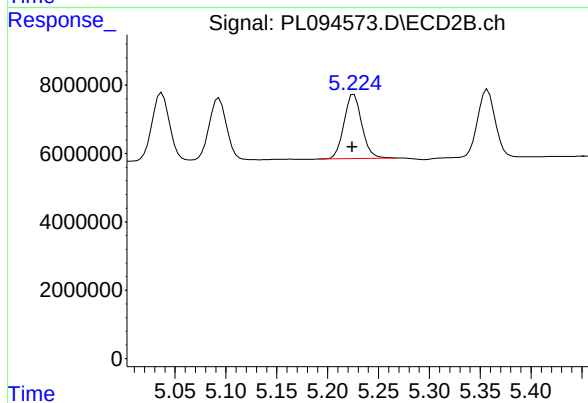
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 24149442
Conc: 5.06 ng/ml



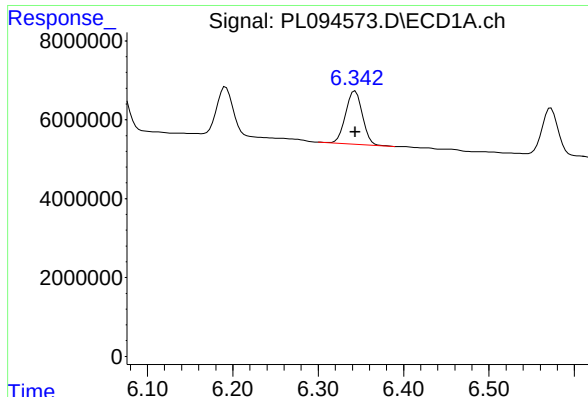
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 16237816
Conc: 5.52 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: 0.000 min
Response: 22997354
Conc: 4.95 ng/ml m



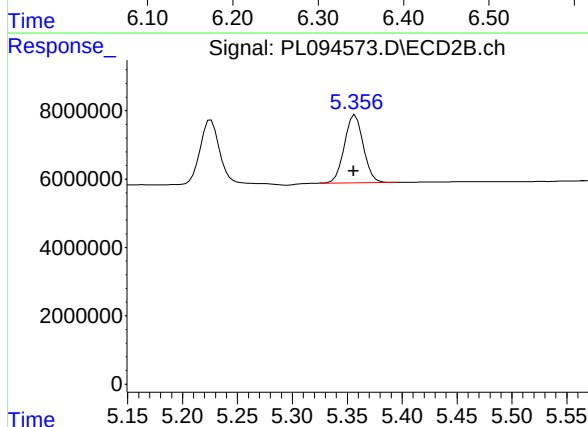
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 18519033
Conc: 5.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

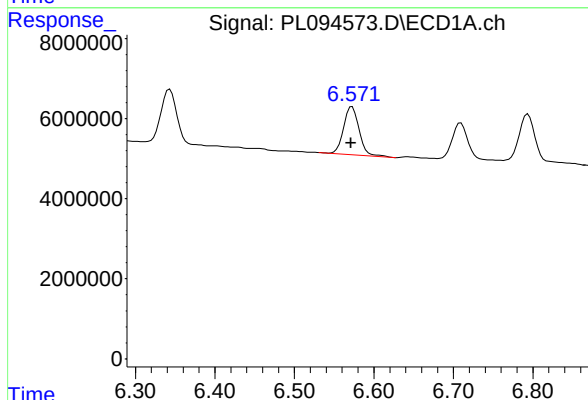
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



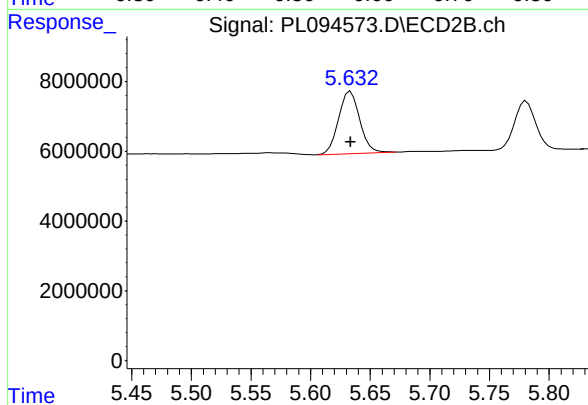
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 23776399
Conc: 4.90 ng/ml



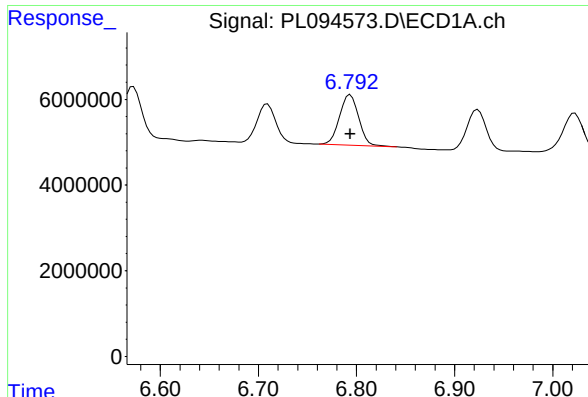
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 16250514
Conc: 5.93 ng/ml



#14 Endrin

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 22009138
Conc: 5.04 ng/ml



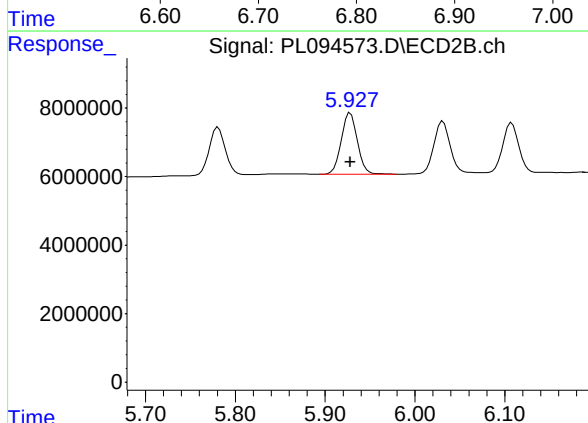
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 15955971
Conc: 5.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

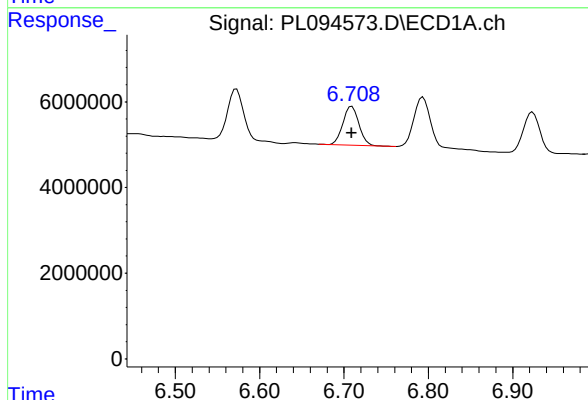
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



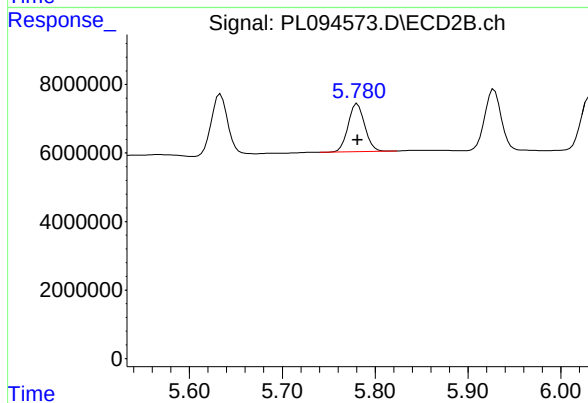
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 22294667
Conc: 5.15 ng/ml



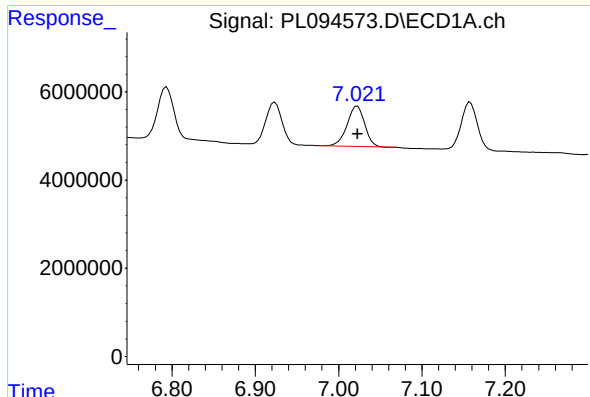
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 12006590
Conc: 5.54 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 17465773
Conc: 4.86 ng/ml



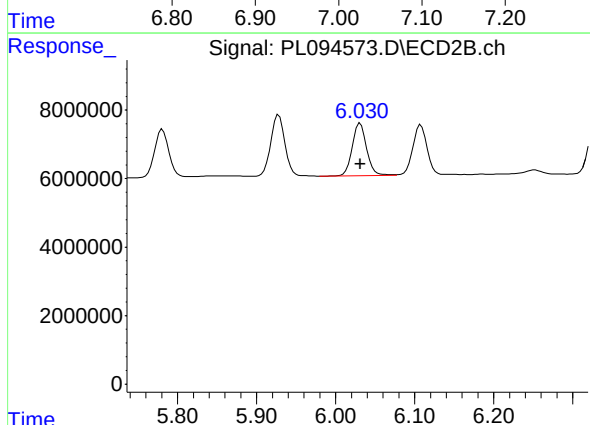
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 13292713
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

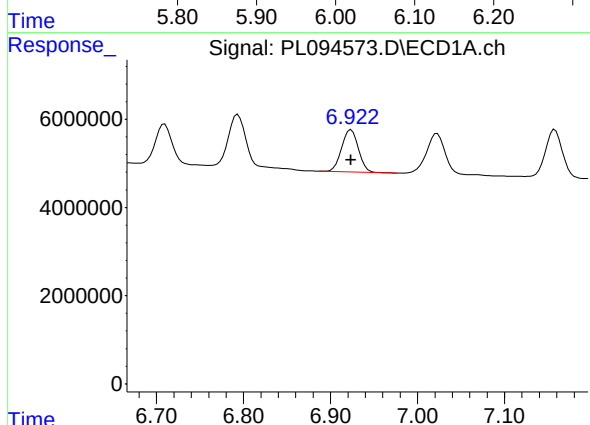
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



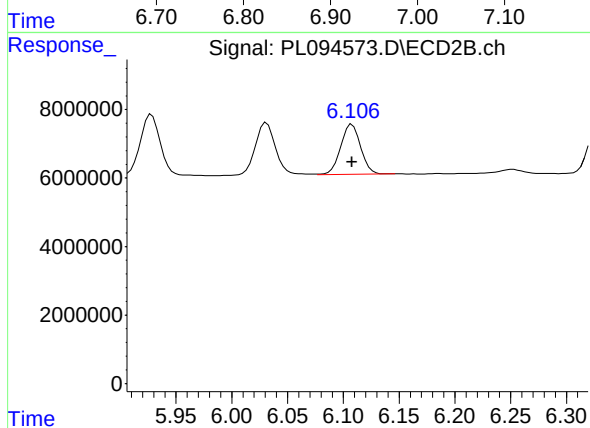
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 19335325
Conc: 4.80 ng/ml



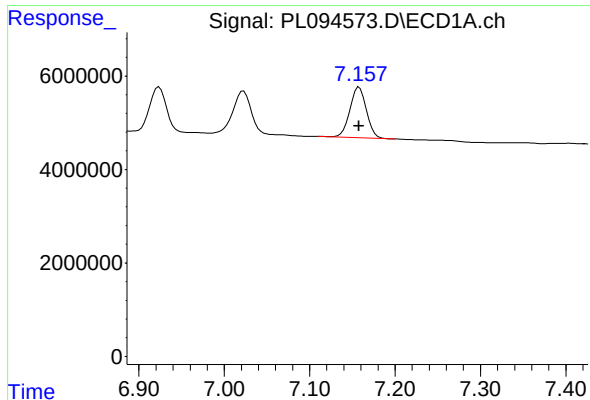
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 12931122
Conc: 6.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 18117904
Conc: 5.38 ng/ml



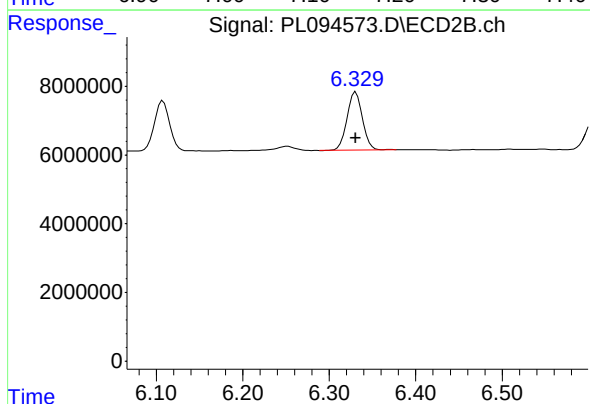
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 14569704
Conc: 5.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

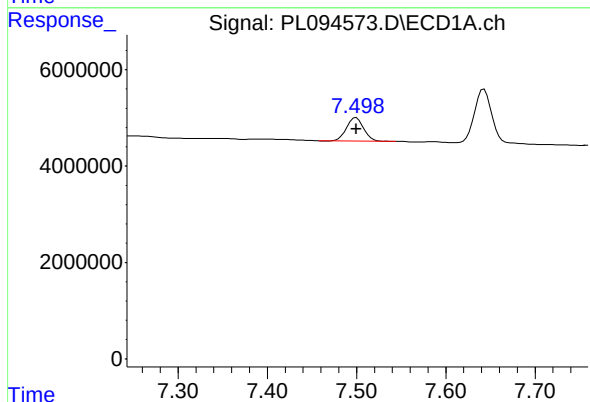
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



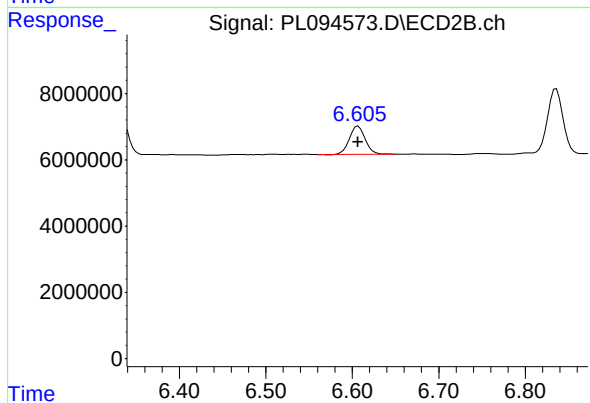
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 20835311
Conc: 5.11 ng/ml



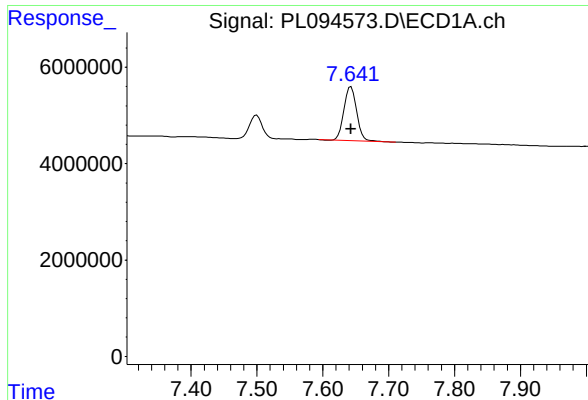
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 6518266
Conc: 5.45 ng/ml



#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 10878189
Conc: 5.13 ng/ml



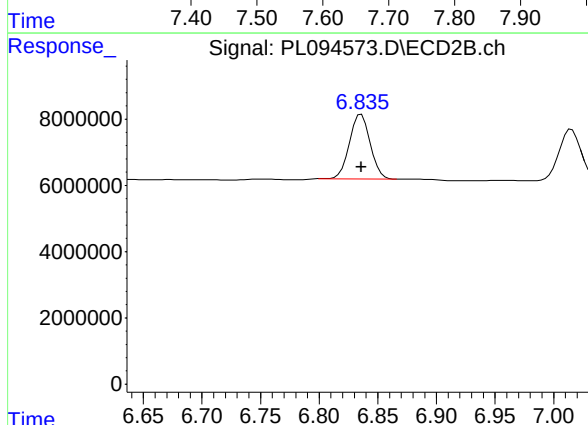
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 15012445
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

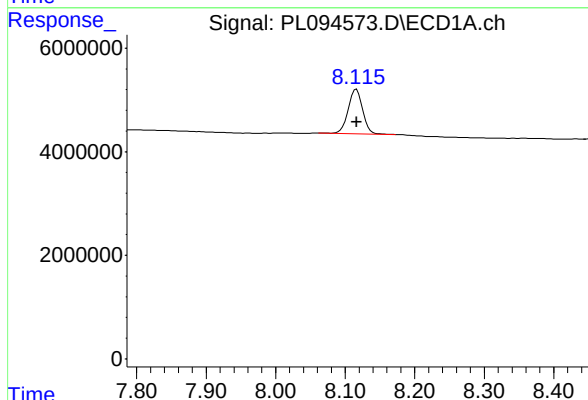
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



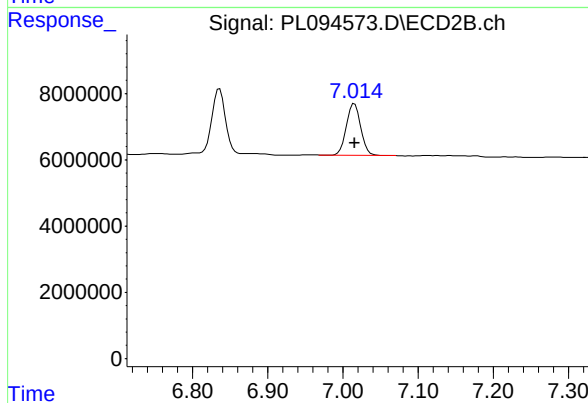
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.001 min
Response: 24031400
Conc: 5.00 ng/ml



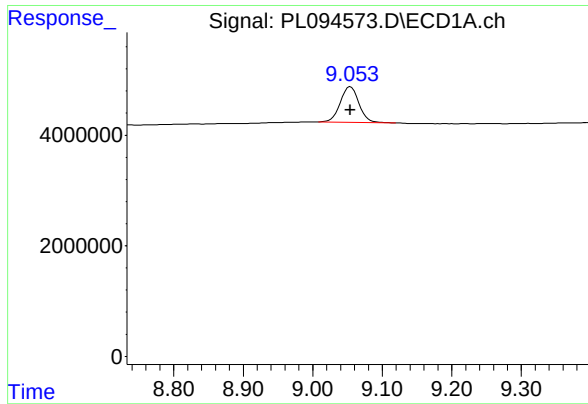
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 12387768
Conc: 6.00 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 20631086
Conc: 5.44 ng/ml



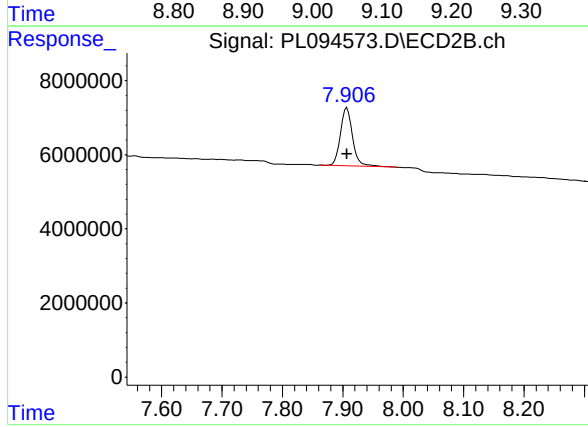
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 12102935
Conc: 5.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 21893845
Conc: 5.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:01:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:00:41 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	2.771	137.6E6	217.7E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	102.8E6	202.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.768	67315229	74220750	500.000	500.000
24) Chlordane-2	5.229	4.345	72325929	87338022	500.000	500.000
25) Chlordane-3	5.940	4.974	232.4E6	261.3E6	500.000	500.000
26) Chlordane-4	6.022	5.037	273.9E6	257.7E6	500.000	500.000
27) Chlordane-5	6.871	5.933	52243777	93588494	500.000	500.000

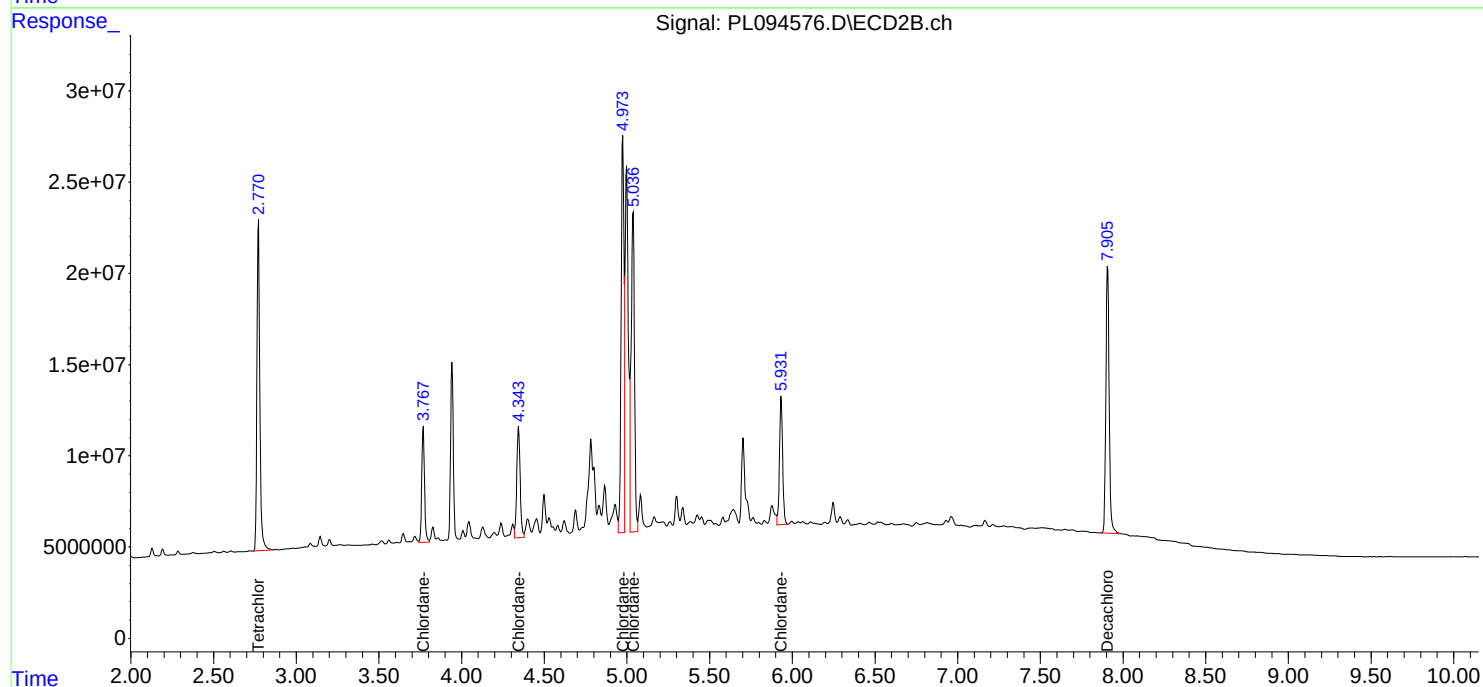
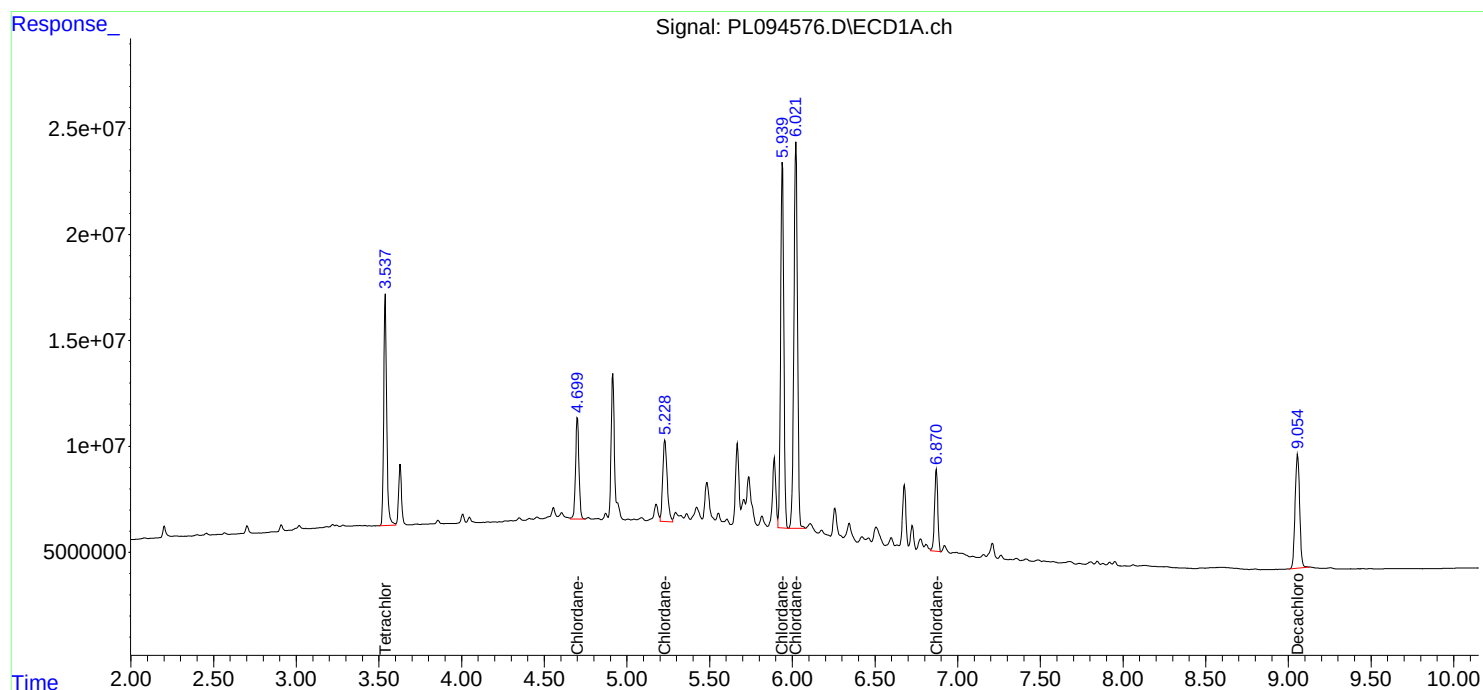
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

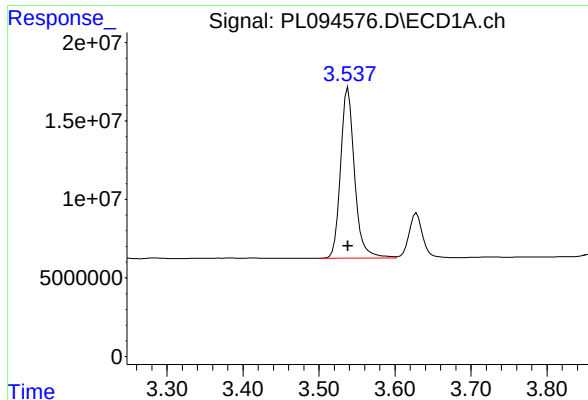
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:01:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:00:41 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

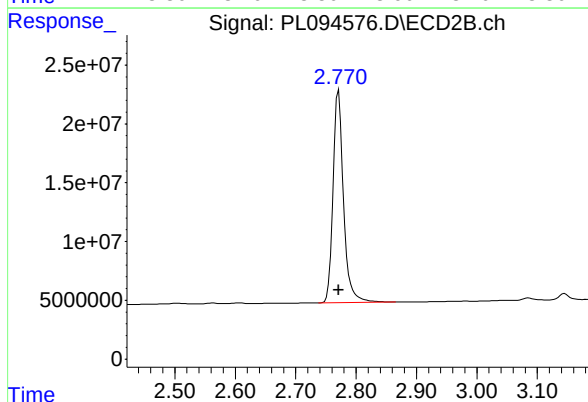




#1 Tetrachloro-m-xylene

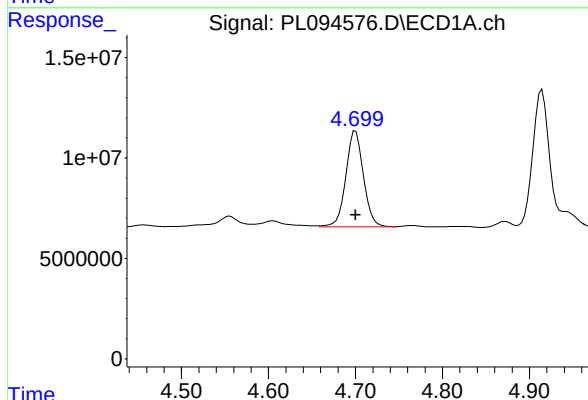
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137550046
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



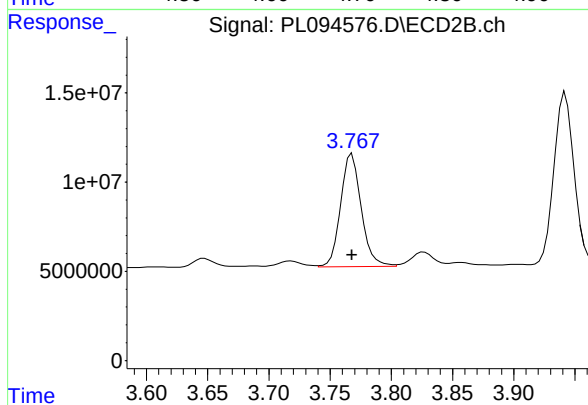
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 217748564
Conc: 50.00 ng/ml



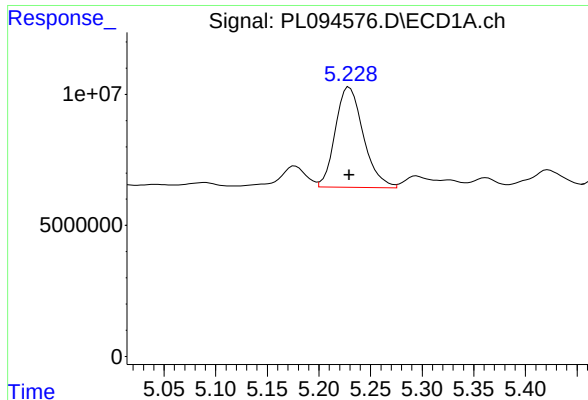
#23 Chlordane-1

R.T.: 4.700 min
Delta R.T.: 0.000 min
Response: 67315229
Conc: 500.00 ng/ml



#23 Chlordane-1

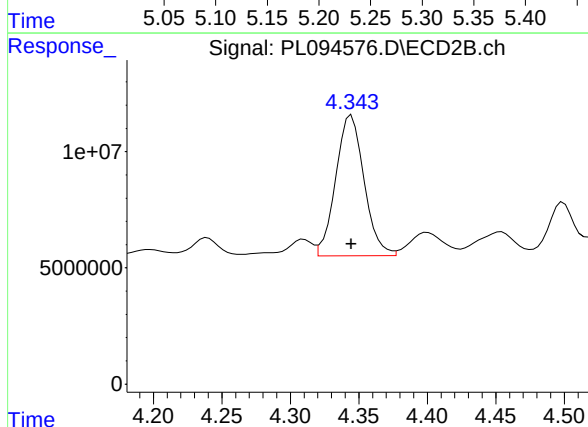
R.T.: 3.768 min
Delta R.T.: 0.000 min
Response: 74220750
Conc: 500.00 ng/ml



#24 Chlordane-2

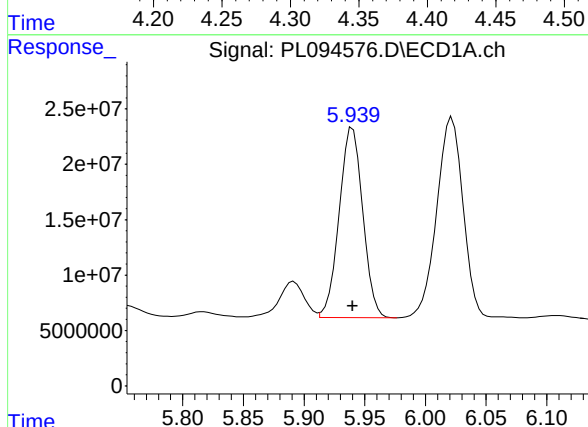
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 72325929
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



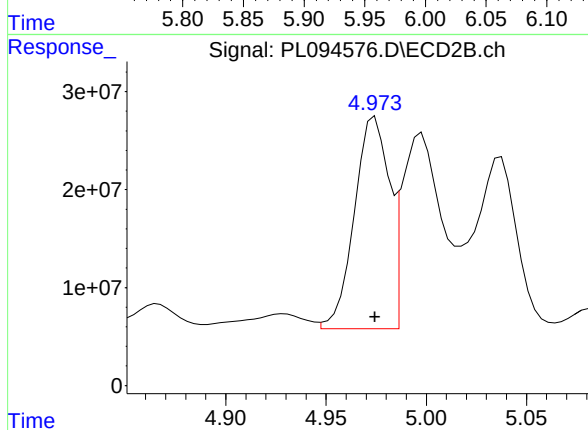
#24 Chlordane-2

R.T.: 4.345 min
Delta R.T.: 0.000 min
Response: 87338022
Conc: 500.00 ng/ml



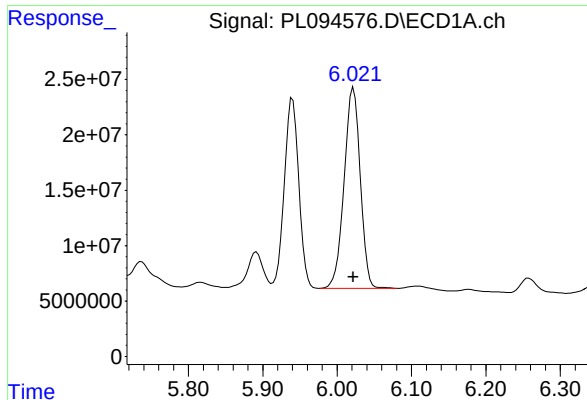
#25 Chlordane-3

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 232431687
Conc: 500.00 ng/ml



#25 Chlordane-3

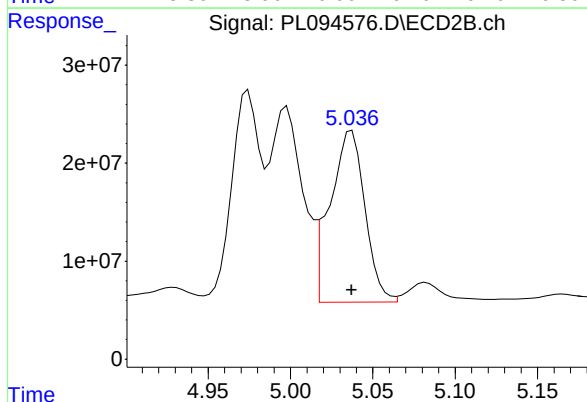
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 261258464
Conc: 500.00 ng/ml



#26 Chlordane-4

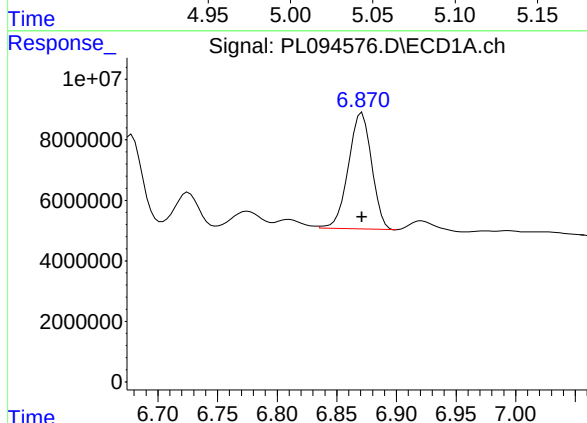
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 273855108
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



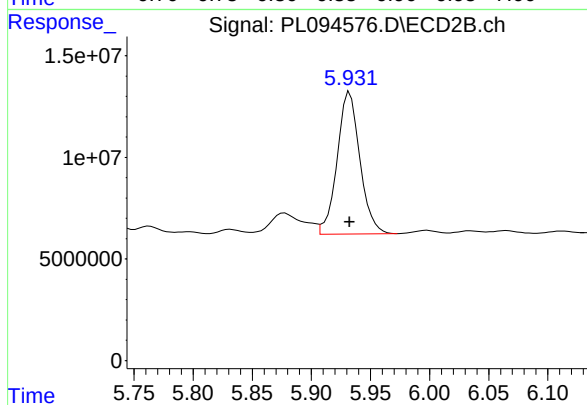
#26 Chlordane-4

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 257709114
Conc: 500.00 ng/ml



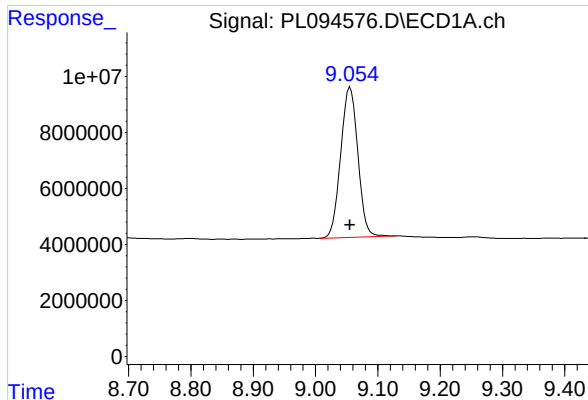
#27 Chlordane-5

R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 52243777
Conc: 500.00 ng/ml



#27 Chlordane-5

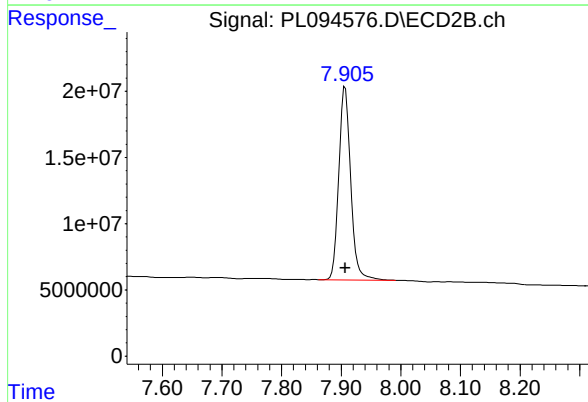
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 93588494
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 102794843
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 202542800
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:48:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:48:02 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...	3.538	2.772	140.3E6	181.5E6	50.000	50.000
7) SA Decachlor...	9.054	7.907	105.5E6	210.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	4.999	12975869	13010166	500.000	500.000
3) Toxaphene-2	6.441	5.324	8198781	12744567	500.000	500.000
4) Toxaphene-3	7.059	5.682	41015316	14118201	500.000	500.000
5) Toxaphene-4	7.149	6.596	31471621	48270189	500.000	500.000
6) Toxaphene-5	7.934	7.038	22520220	46668809	500.000	500.000

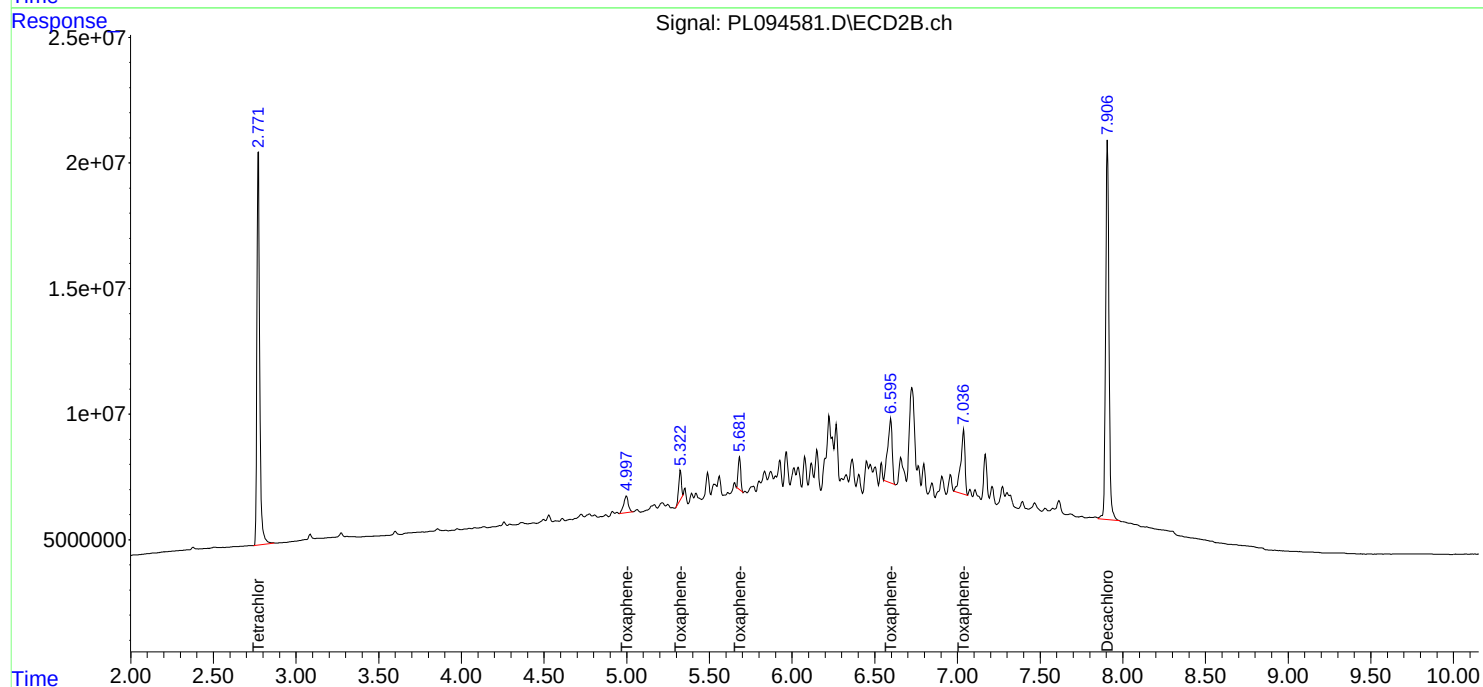
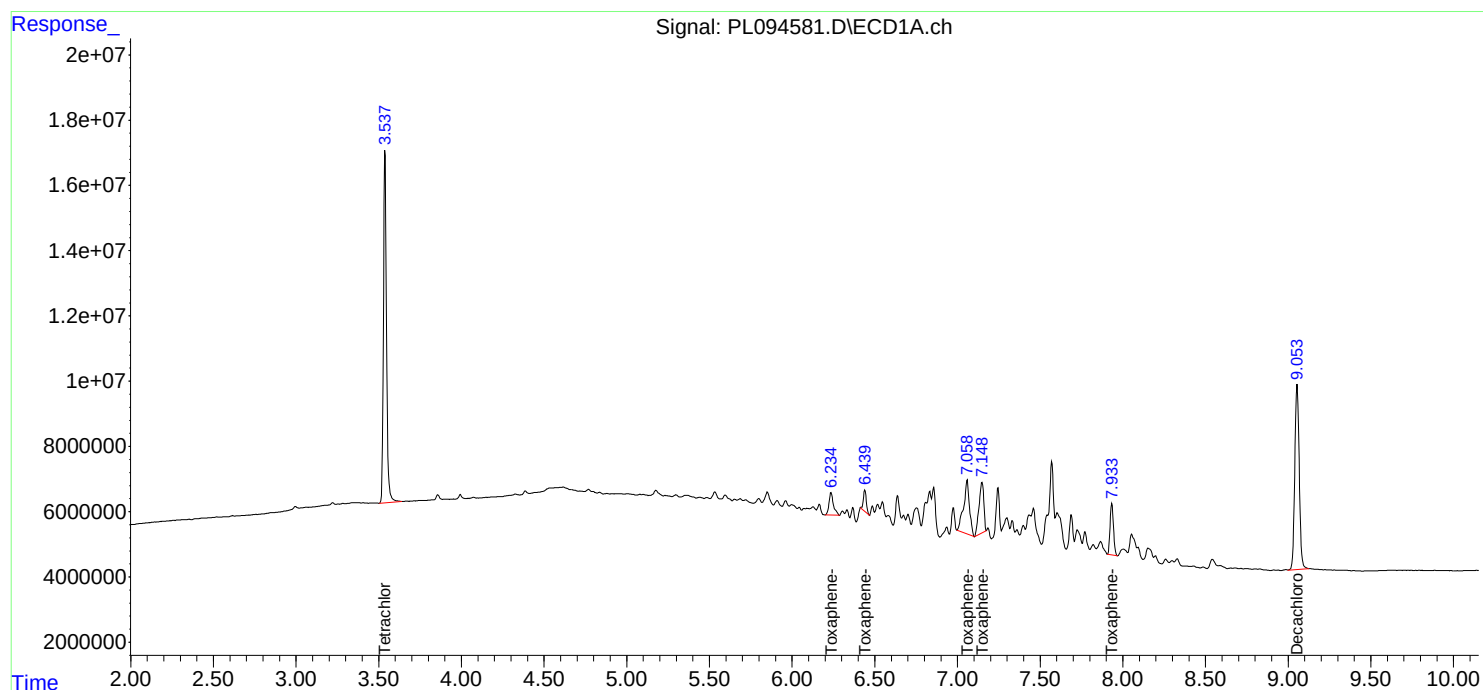
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

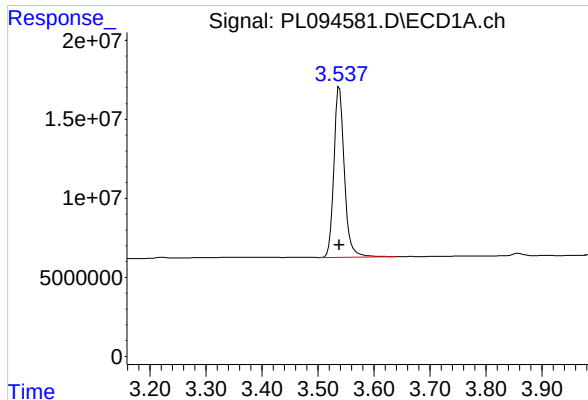
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:48:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:48:02 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

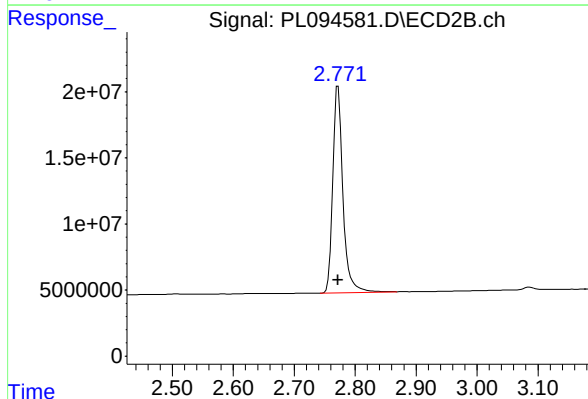




#1 Tetrachloro-m-xylene

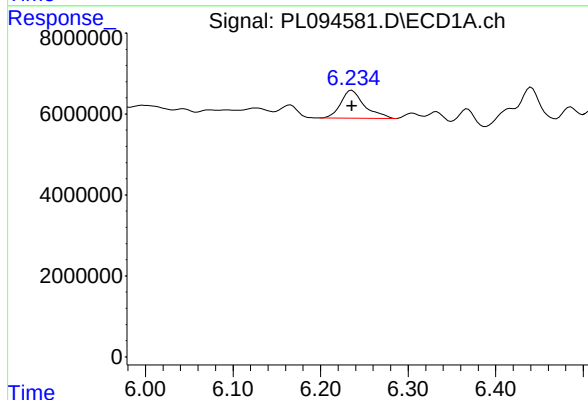
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 140277499
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



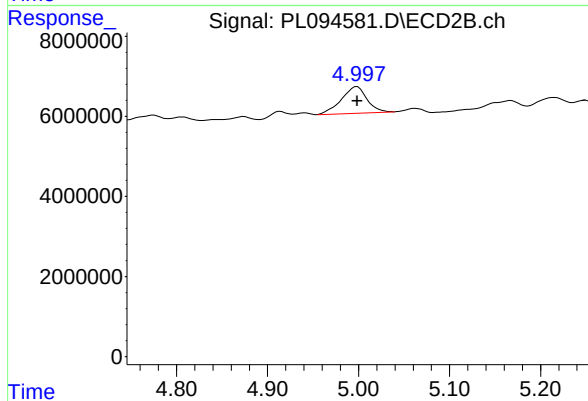
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 181518995
Conc: 50.00 ng/ml



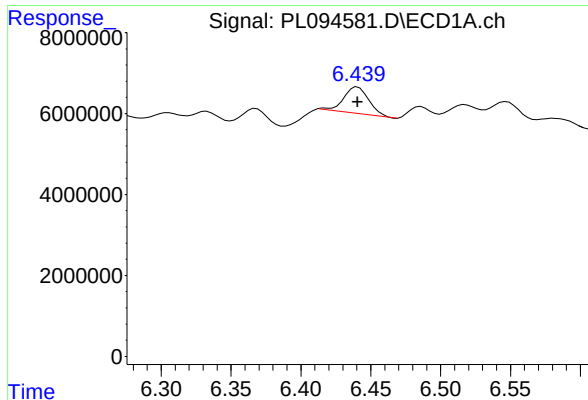
#2 Toxaphene-1

R.T.: 6.236 min
Delta R.T.: 0.000 min
Response: 12975869
Conc: 500.00 ng/ml



#2 Toxaphene-1

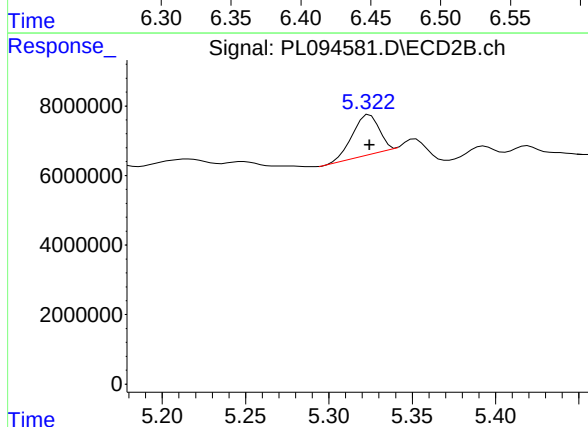
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 13010166
Conc: 500.00 ng/ml



#3 Toxaphene-2

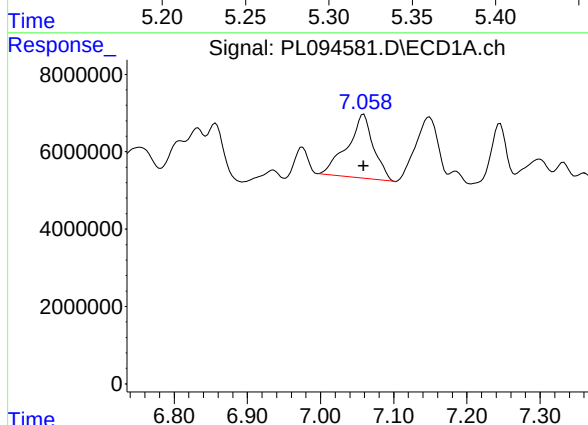
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 8198781
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



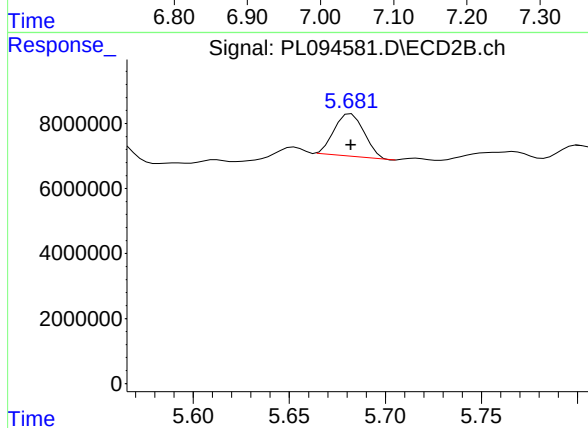
#3 Toxaphene-2

R.T.: 5.324 min
Delta R.T.: 0.000 min
Response: 12744567
Conc: 500.00 ng/ml



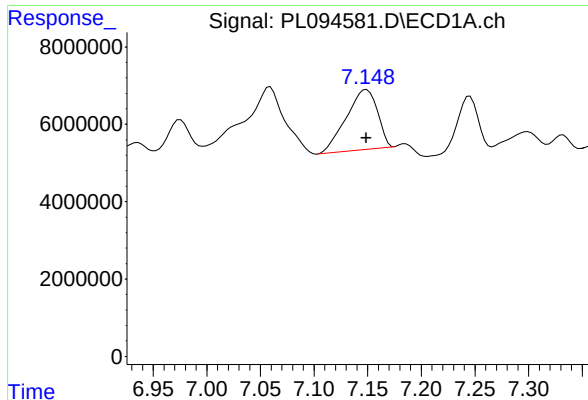
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 41015316
Conc: 500.00 ng/ml



#4 Toxaphene-3

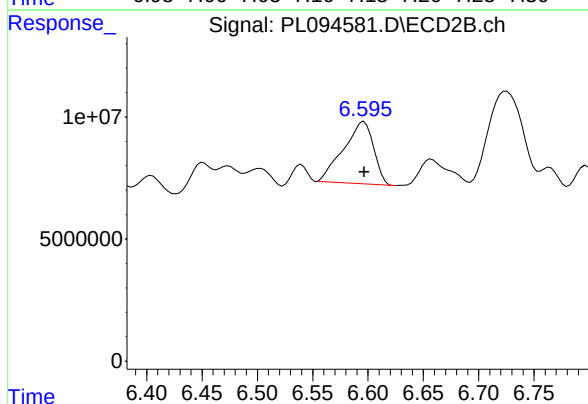
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 14118201
Conc: 500.00 ng/ml



#5 Toxaphene-4

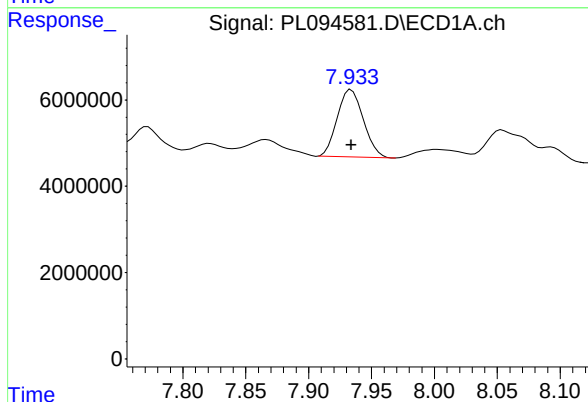
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 31471621
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



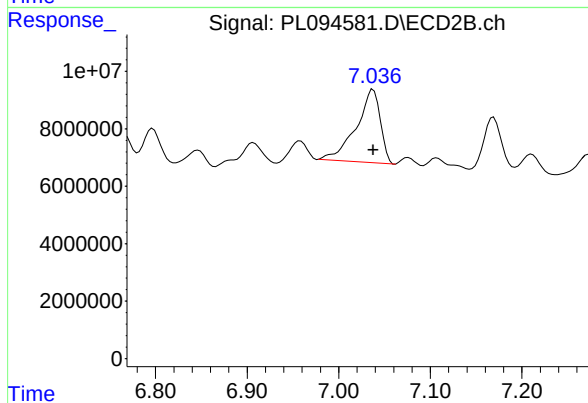
#5 Toxaphene-4

R.T.: 6.596 min
Delta R.T.: 0.000 min
Response: 48270189
Conc: 500.00 ng/ml



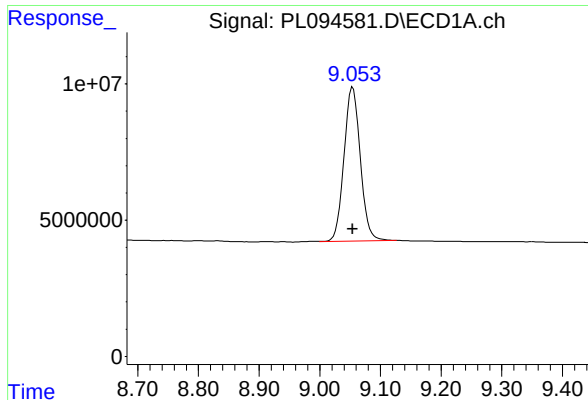
#6 Toxaphene-5

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 22520220
Conc: 500.00 ng/ml



#6 Toxaphene-5

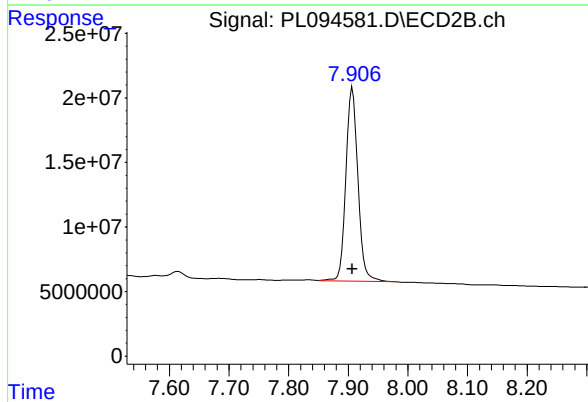
R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 46668809
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 105545490
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 210334351
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 13:59
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:33:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.772	138.6E6	178.7E6	48.948	50.062
28) SA Decachlor...	9.057	7.907	105.1E6	203.8E6	49.892	50.443
Target Compounds						
2) A alpha-BHC	3.994	3.275	204.5E6	276.8E6	49.250	51.333
3) MA gamma-BHC...	4.327	3.604	195.2E6	263.2E6	48.927	51.204
4) MA Heptachlor	4.915	3.943	189.6E6	267.0E6	48.844	50.686
5) MB Aldrin	5.257	4.222	180.2E6	248.9E6	48.800	51.048
6) B beta-BHC	4.526	3.905	89231989	110.8E6	48.359	49.893
7) B delta-BHC	4.773	4.133	189.3E6	256.7E6	48.608	51.319
8) B Heptachlo...	5.684	4.724	162.6E6	232.8E6	48.604	50.850
9) A Endosulfan I	6.069	5.094	150.4E6	223.6E6	48.979	50.952
10) B gamma-Chl...	5.940	4.974	164.1E6	246.2E6	48.699	51.000
11) B alpha-Chl...	6.019	5.038	161.5E6	242.7E6	48.982	50.851
12) B 4,4'-DDE	6.192	5.227	146.3E6	237.2E6	49.725	51.033
13) MA Dieldrin	6.344	5.358	156.1E6	248.7E6	48.823	51.250
14) MA Endrin	6.574	5.634	132.9E6	220.8E6	47.959	50.591
15) B Endosulfa...	6.794	5.929	133.2E6	219.2E6	49.073	50.644
16) A 4,4'-DDD	6.710	5.782	107.9E6	186.0E6	49.828	51.715
17) MA 4,4'-DDT	7.024	6.032	118.3E6	208.0E6	49.731	51.576
18) B Endrin al...	6.924	6.109	102.5E6	169.4E6	48.578	50.322
19) B Endosulfa...	7.160	6.332	118.7E6	208.3E6	48.797	51.131
20) A Methoxychlor	7.501	6.607	59571379	108.1E6	49.764	50.981
21) B Endrin ke...	7.644	6.837	130.9E6	247.7E6	49.539	51.908
22) Mirex	8.117	7.016	100.5E6	191.6E6	48.635	50.470

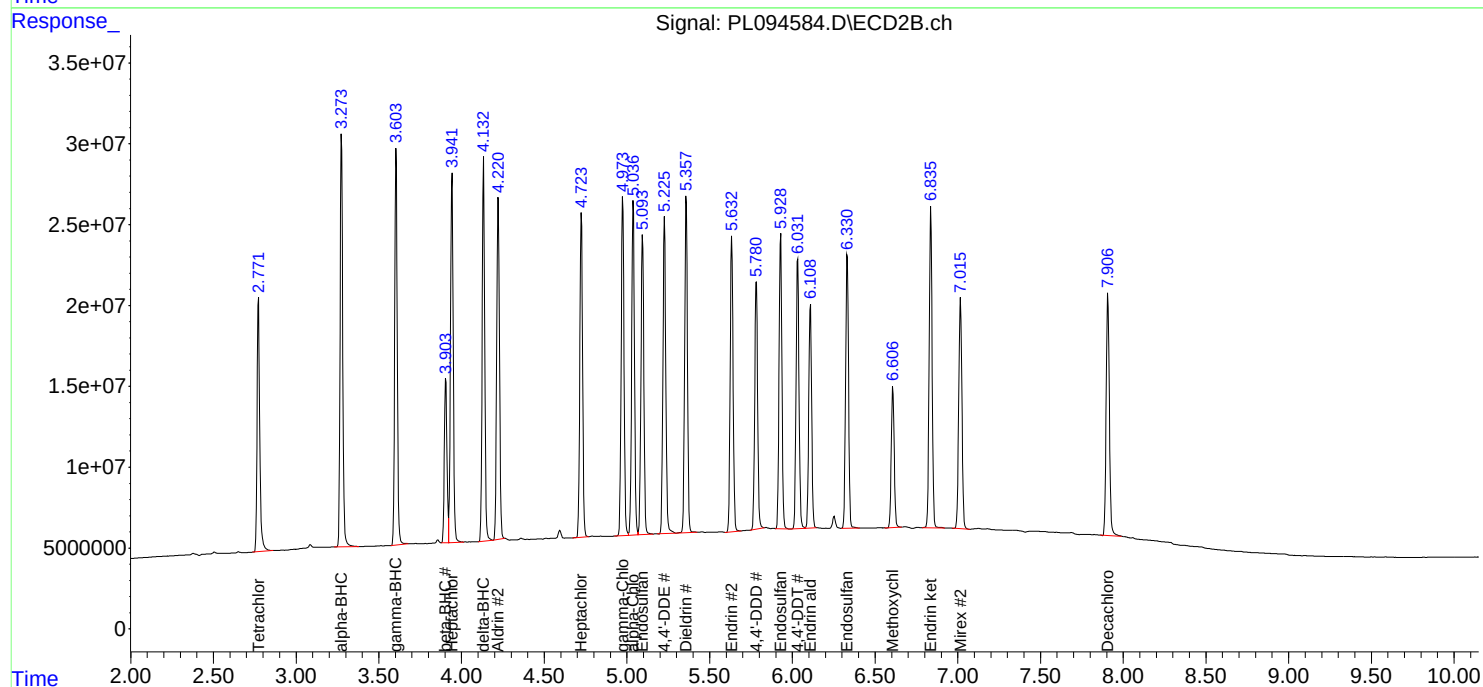
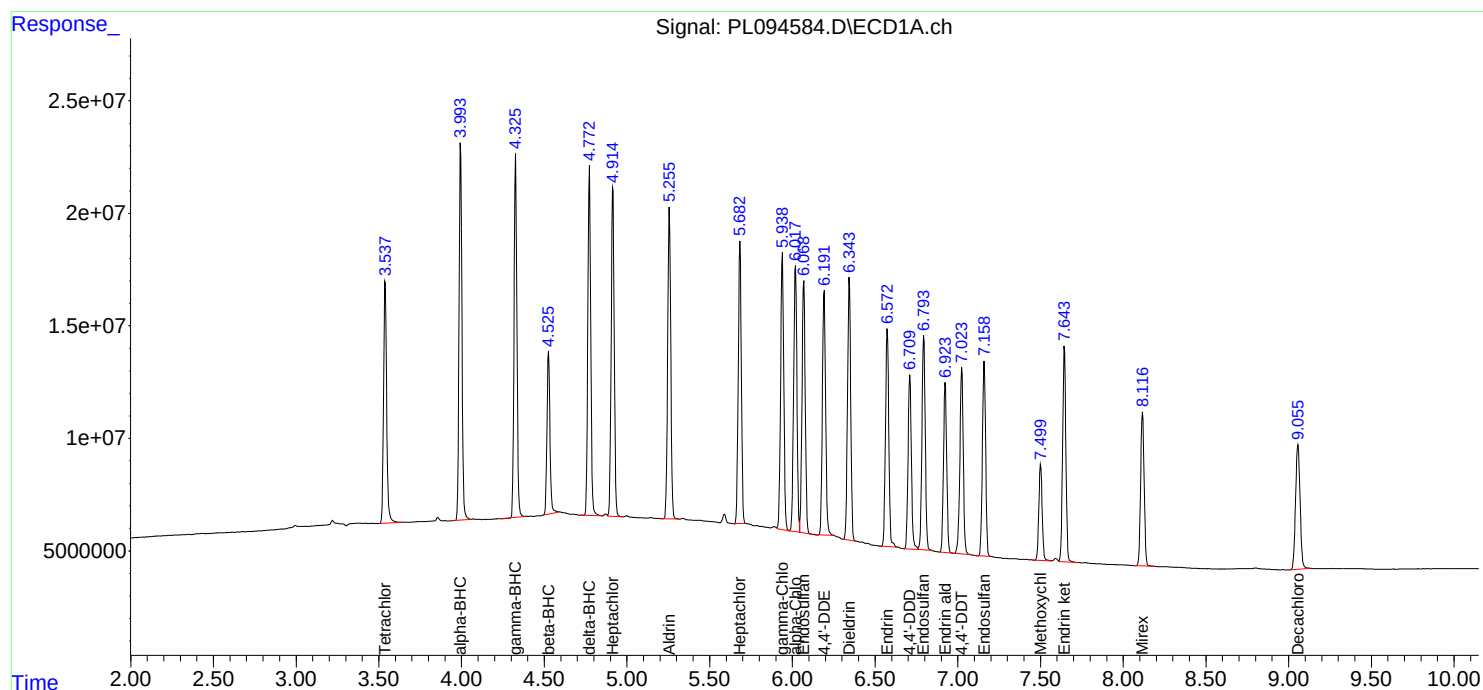
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

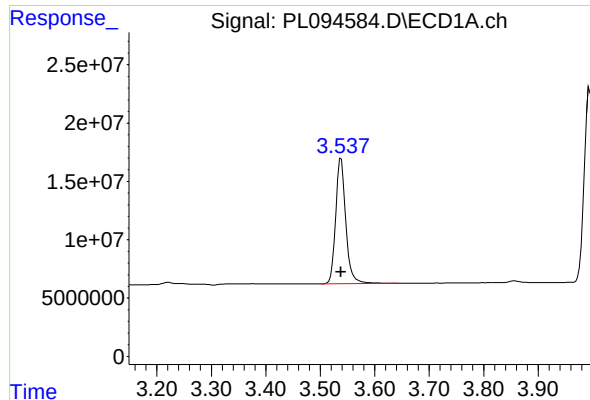
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:33:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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

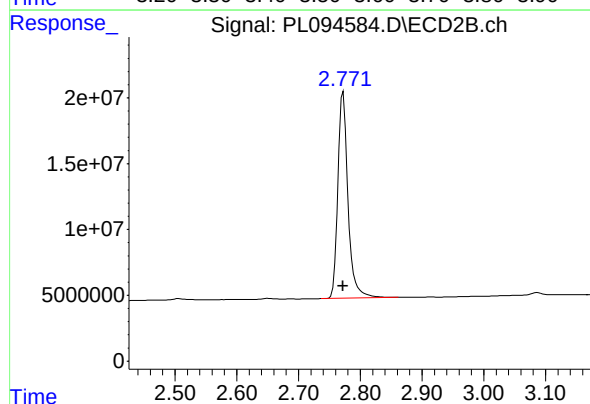




#1 Tetrachloro-m-xylene

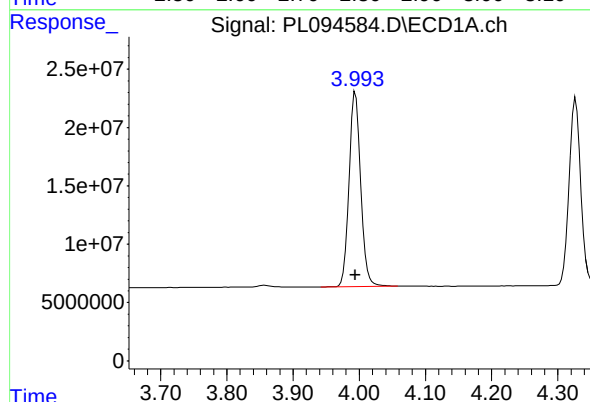
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 138556643
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



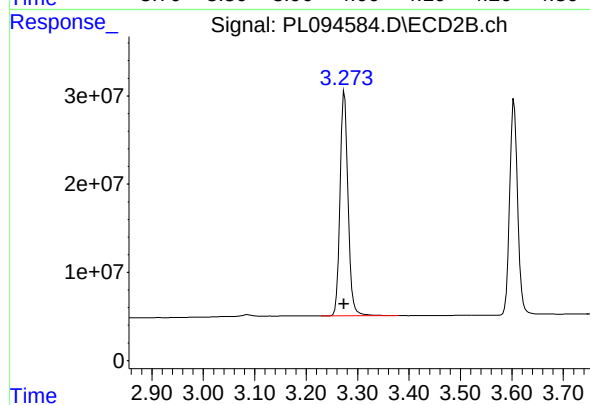
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 178684754
Conc: 50.06 ng/ml



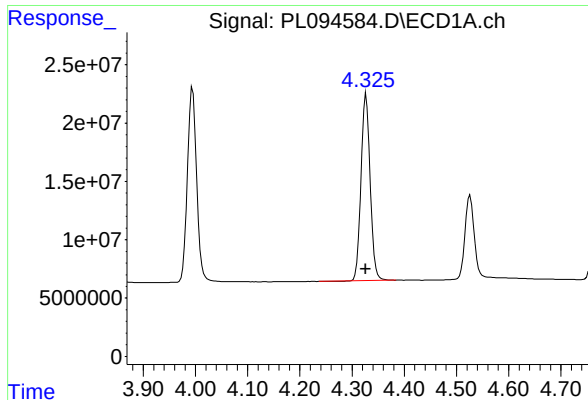
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 204502818
Conc: 49.25 ng/ml



#2 alpha-BHC

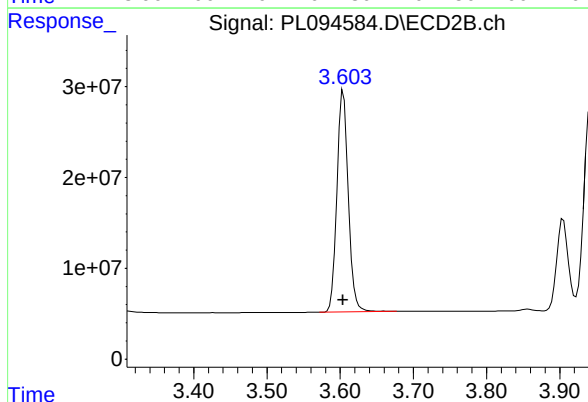
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 276756350
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

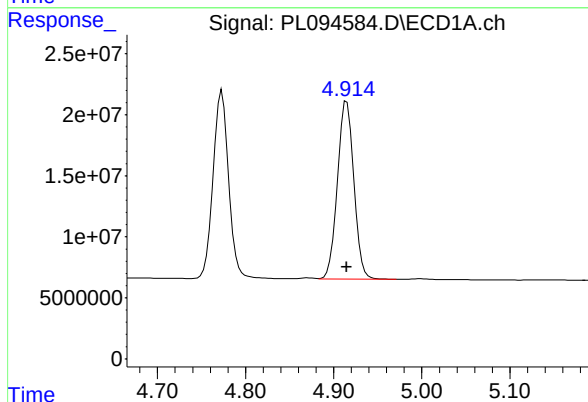
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 195230792
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



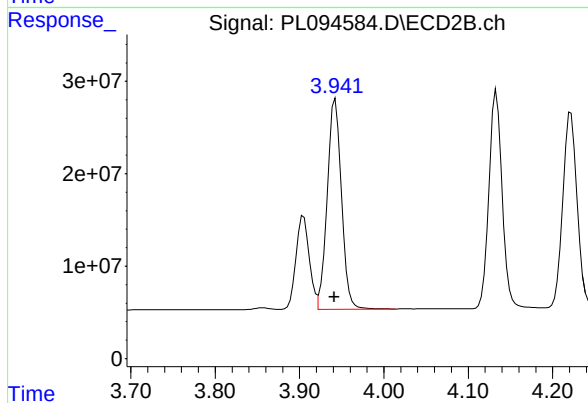
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 263158739
Conc: 51.20 ng/ml



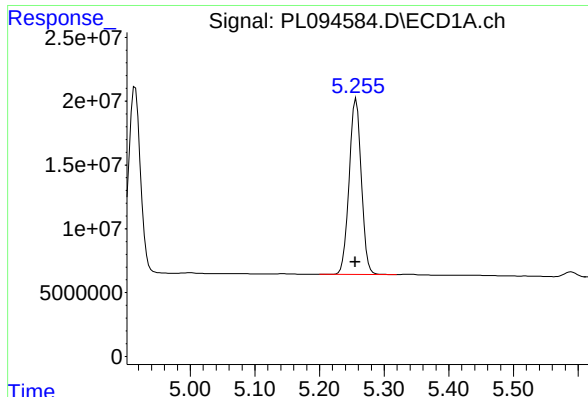
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 189594532
Conc: 48.84 ng/ml



#4 Heptachlor

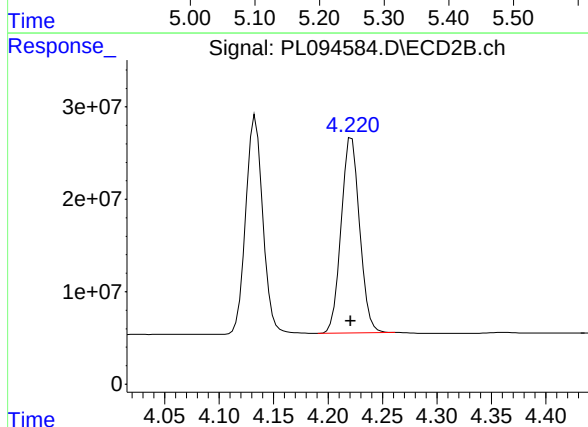
R.T.: 3.943 min
Delta R.T.: 0.000 min
Response: 267048442
Conc: 50.69 ng/ml



#5 Aldrin

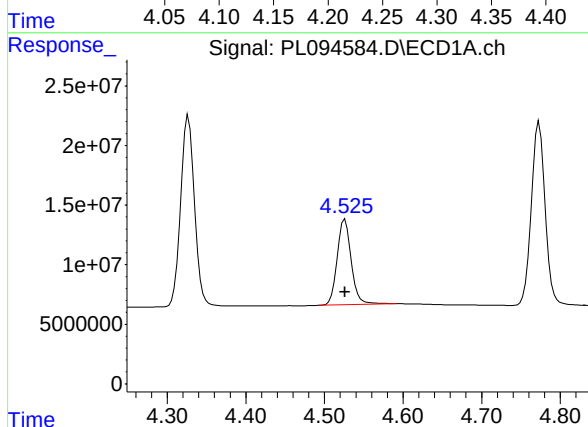
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 180179976
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



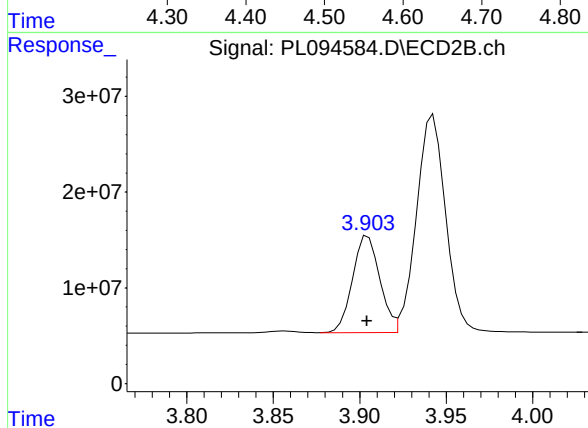
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: 0.000 min
Response: 248926165
Conc: 51.05 ng/ml



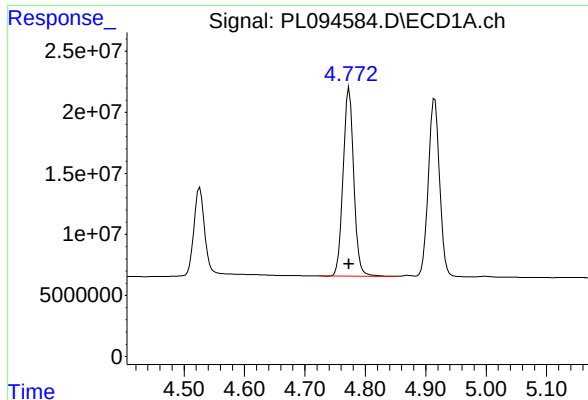
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 89231989
Conc: 48.36 ng/ml



#6 beta-BHC

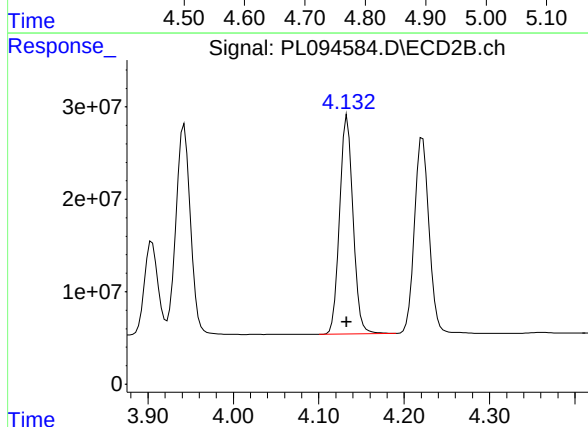
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 110828057
Conc: 49.89 ng/ml



#7 delta-BHC

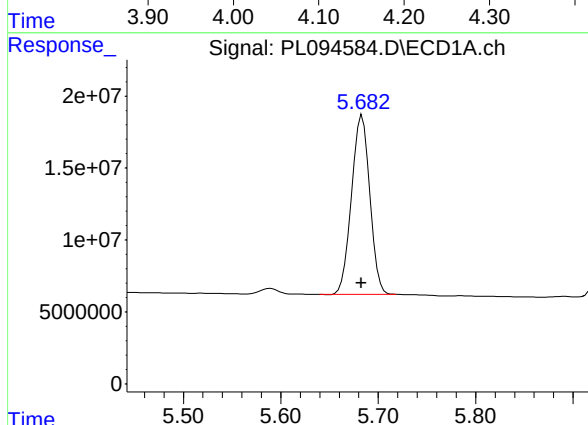
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 189296014
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



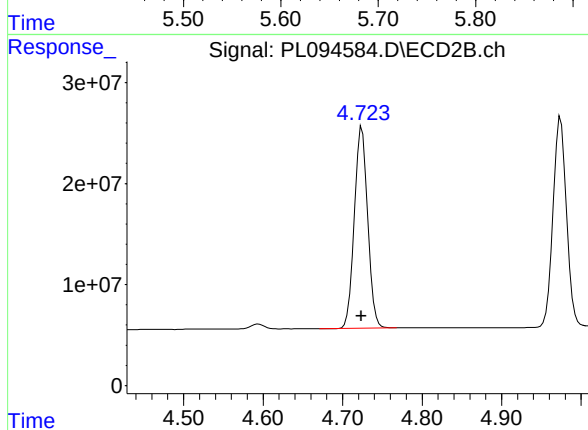
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 256697713
Conc: 51.32 ng/ml



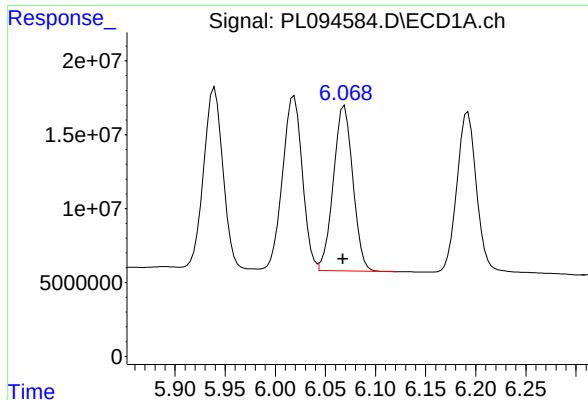
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 162590042
Conc: 48.60 ng/ml



#8 Heptachlor epoxide

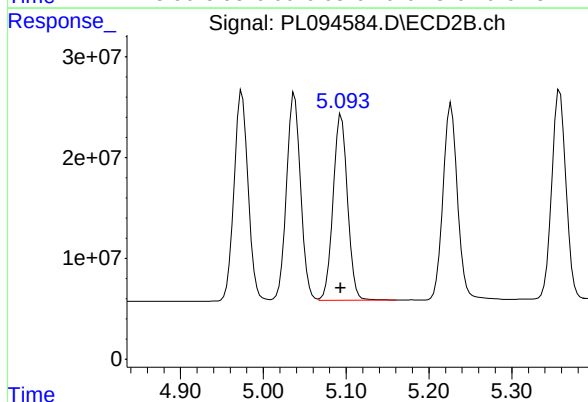
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 232821579
Conc: 50.85 ng/ml



#9 Endosulfan I

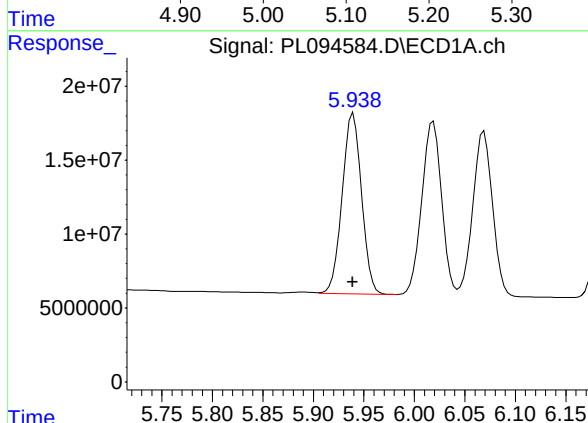
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 150376500
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



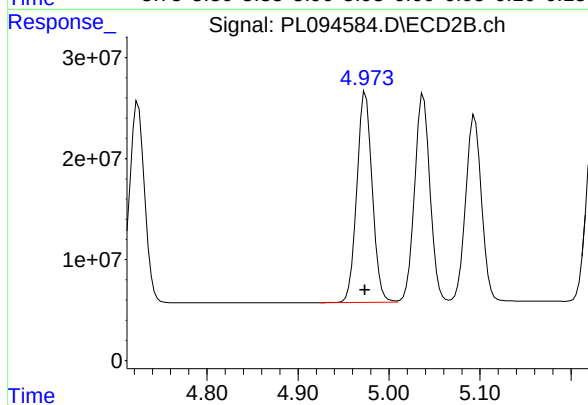
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 223613098
Conc: 50.95 ng/ml



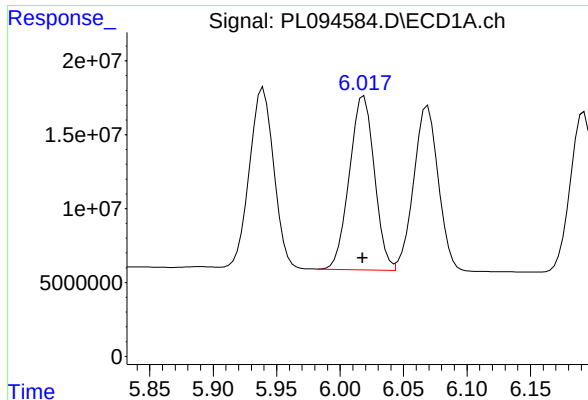
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 164084462
Conc: 48.70 ng/ml



#10 gamma-Chlordane

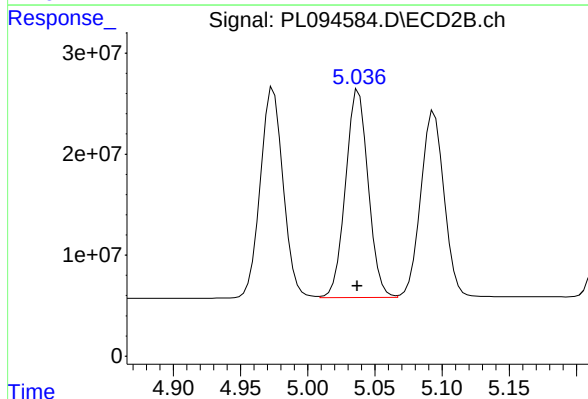
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 246248137
Conc: 51.00 ng/ml



#11 alpha-Chlordane

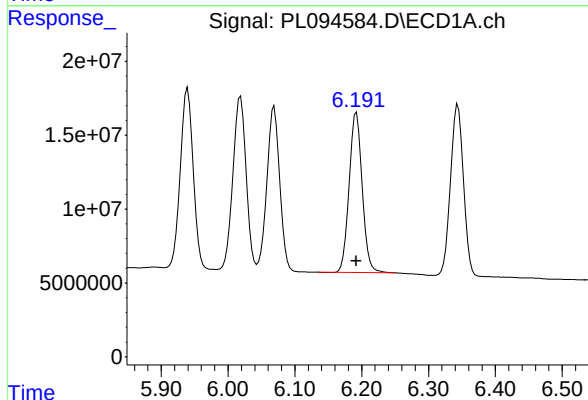
R.T.: 6.019 min
Delta R.T.: 0.001 min
Response: 161484723
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



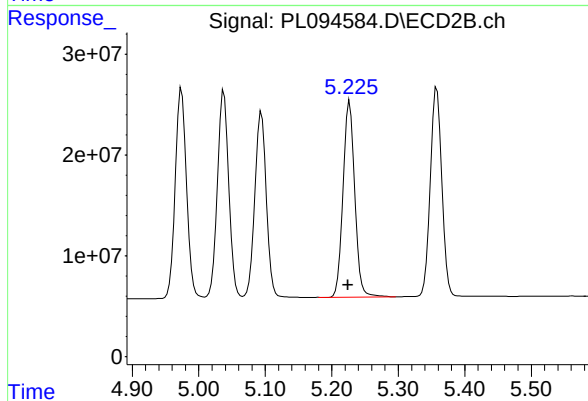
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 242698605
Conc: 50.85 ng/ml



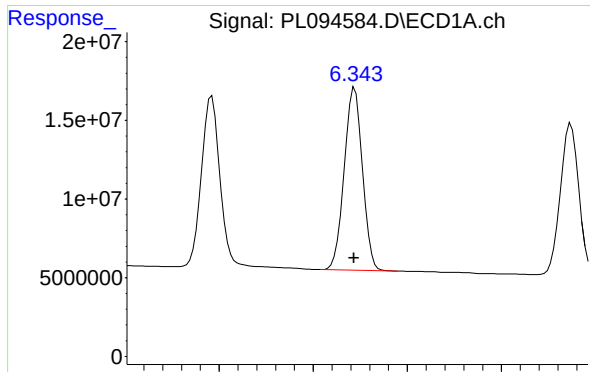
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 146295264
Conc: 49.73 ng/ml



#12 4,4'-DDE

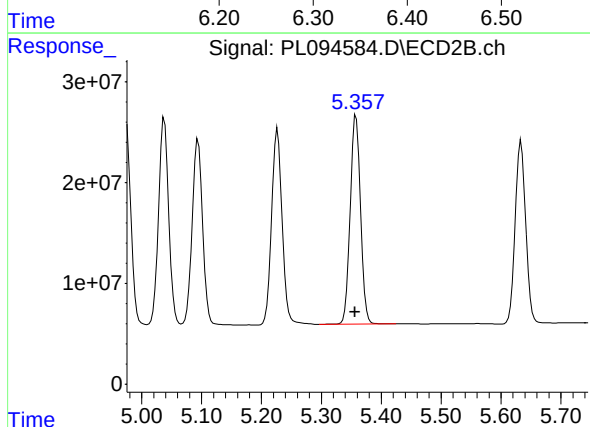
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 237229375
Conc: 51.03 ng/ml



#13 Dieldrin

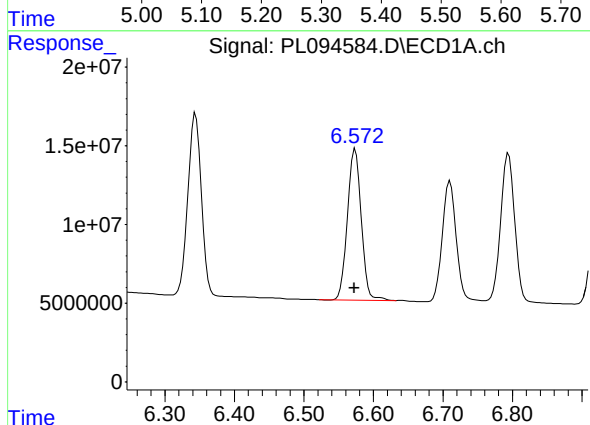
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156142534
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



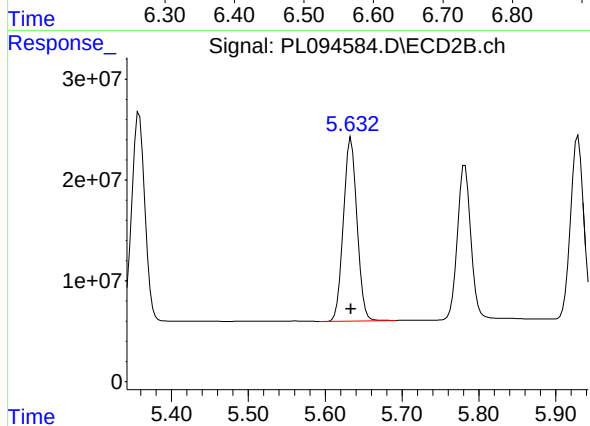
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.002 min
Response: 248656857
Conc: 51.25 ng/ml



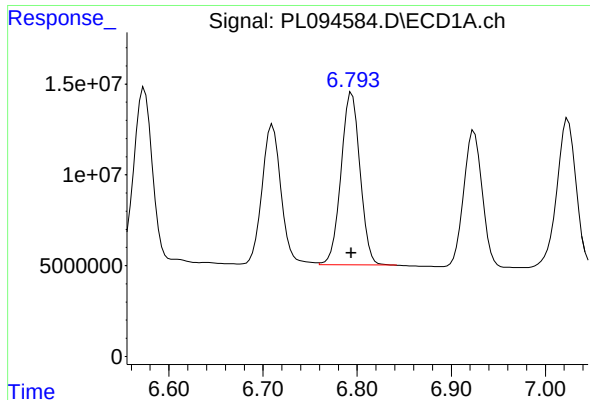
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.001 min
Response: 132945100
Conc: 47.96 ng/ml



#14 Endrin

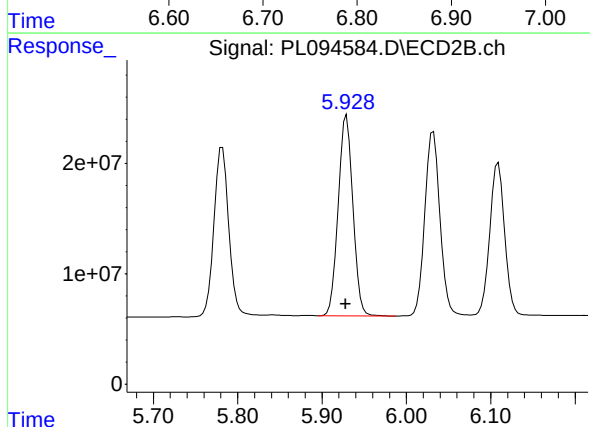
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 220759516
Conc: 50.59 ng/ml



#15 Endosulfan II

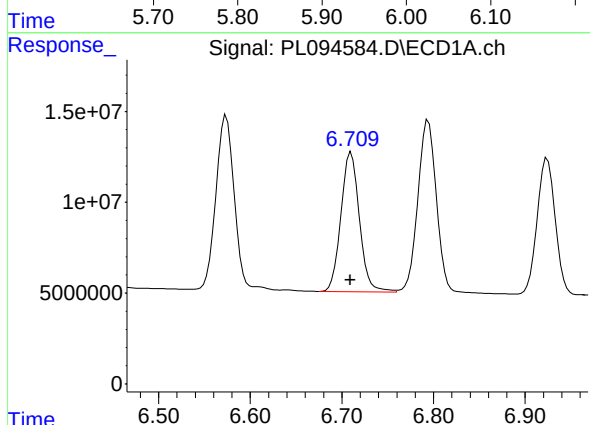
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133220736
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



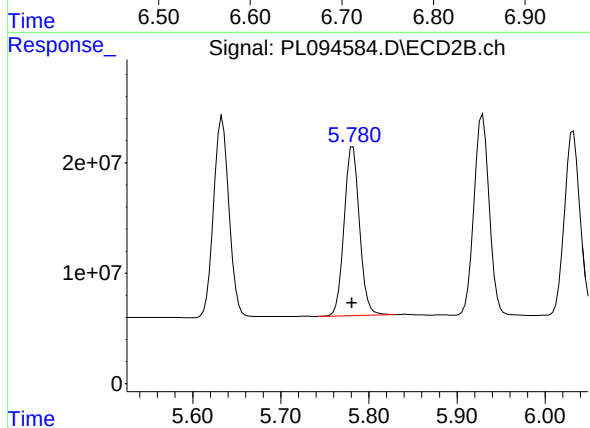
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: 0.001 min
Response: 219199451
Conc: 50.64 ng/ml



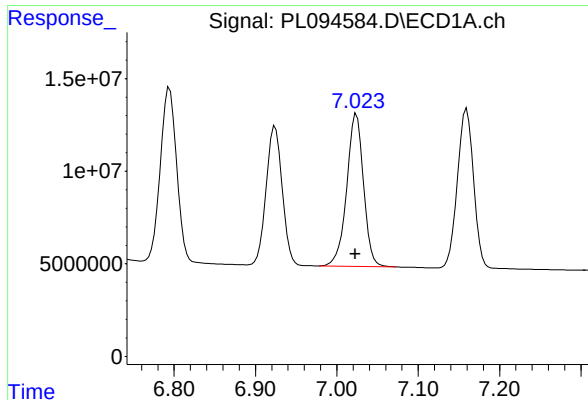
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 107930962
Conc: 49.83 ng/ml



#16 4,4'-DDD

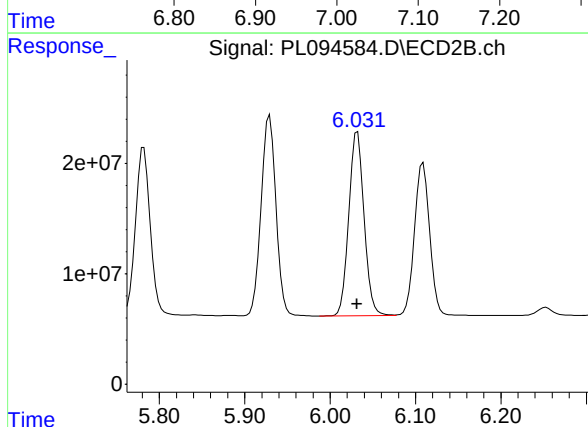
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 185961766
Conc: 51.72 ng/ml



#17 4,4'-DDT

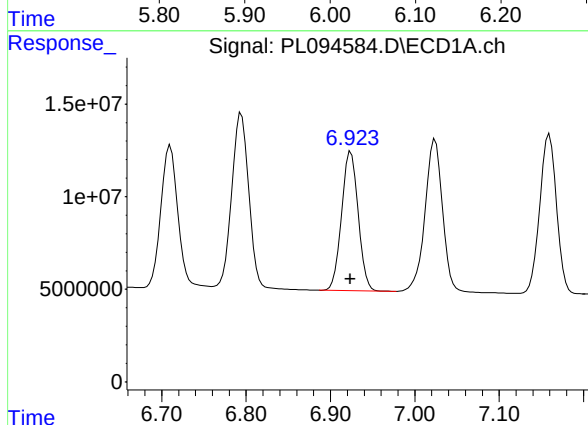
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 118288311
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



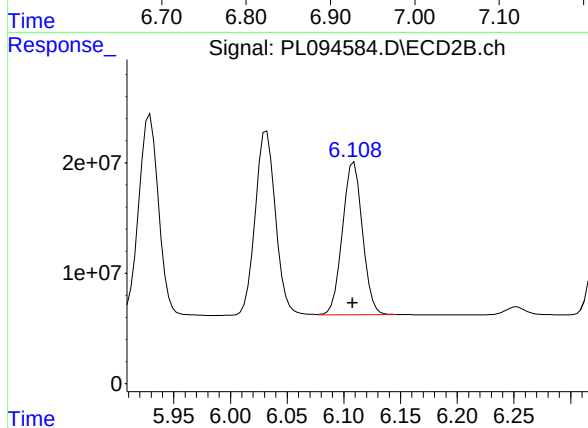
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 207958032
Conc: 51.58 ng/ml



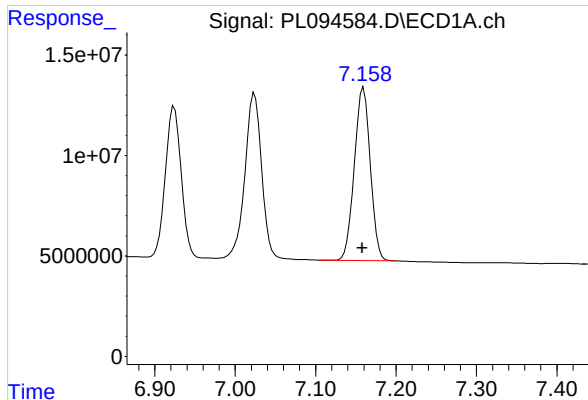
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 102547298
Conc: 48.58 ng/ml



#18 Endrin aldehyde

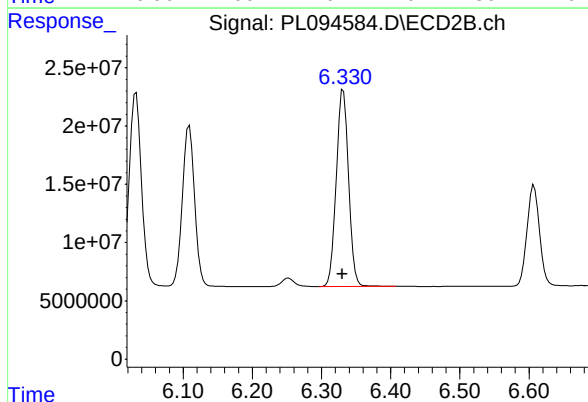
R.T.: 6.109 min
Delta R.T.: 0.001 min
Response: 169351182
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

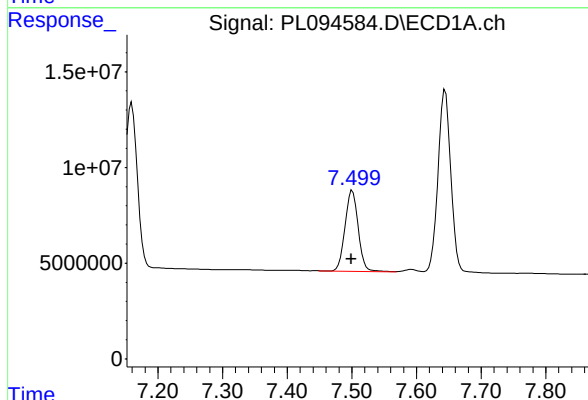
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 118675382
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



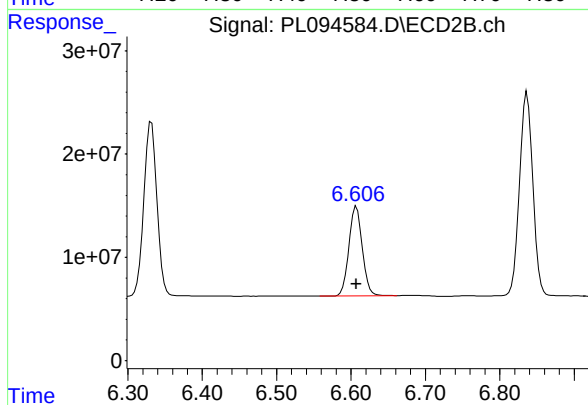
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: 0.001 min
Response: 208280424
Conc: 51.13 ng/ml



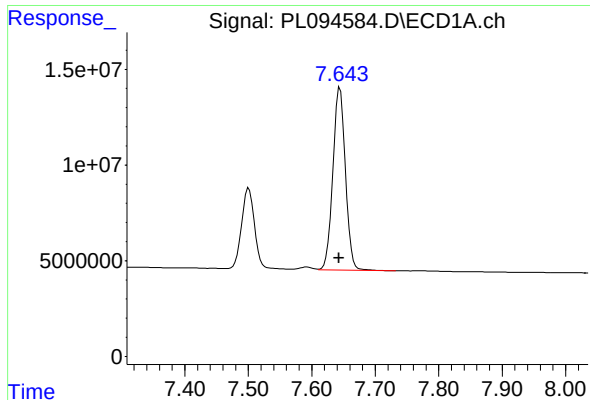
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.001 min
Response: 59571379
Conc: 49.76 ng/ml



#20 Methoxychlor

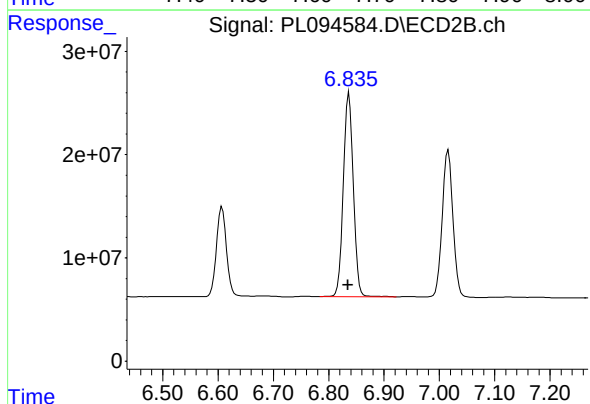
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 108134969
Conc: 50.98 ng/ml



#21 Endrin ketone

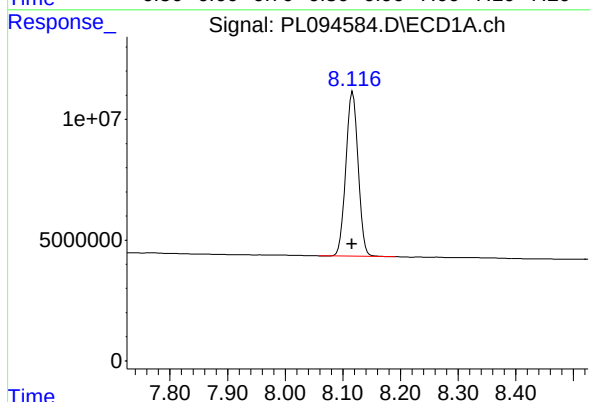
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 130943971
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



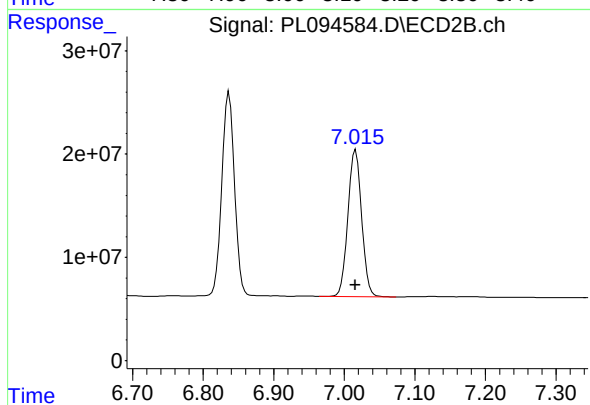
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.002 min
Response: 247734200
Conc: 51.91 ng/ml



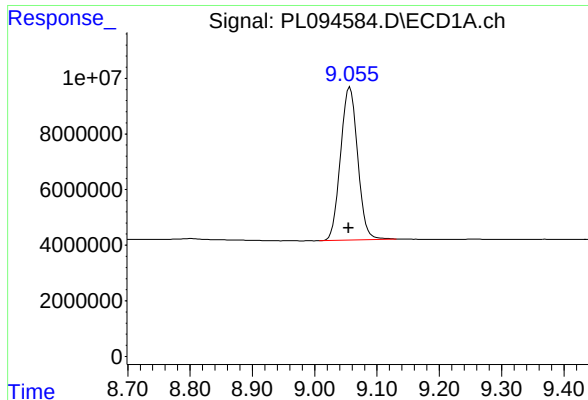
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 100493438
Conc: 48.63 ng/ml



#22 Mirex

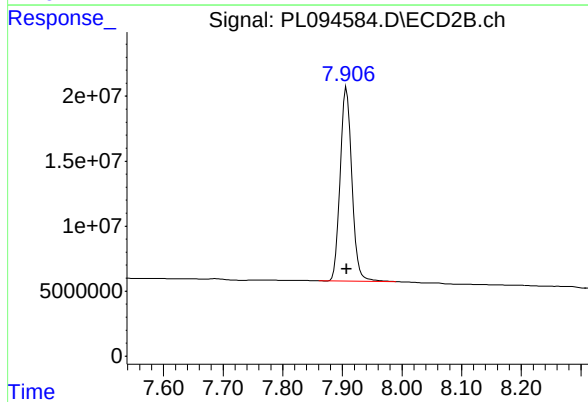
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 191550146
Conc: 50.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 105146189
Conc: 49.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 203758136
Conc: 50.44 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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Continuing Calib Date: 03/19/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:02 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Continuing Calib Date: 03/19/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:02 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 03/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094738.D Time Analyzed: 15:02

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.050	8.956	9.156	47.380	50.000	-5.2
Endrin	6.569	6.474	6.674	45.420	50.000	-9.2
gamma-BHC (Lindane)	4.324	4.227	4.427	50.000	50.000	0.0
Heptachlor	4.912	4.815	5.015	45.970	50.000	-8.1
Heptachlor epoxide	5.680	5.583	5.783	48.150	50.000	-3.7
Methoxychlor	7.496	7.400	7.600	46.070	50.000	-7.9
Tetrachloro-m-xylene	3.536	3.438	3.638	50.490	50.000	1.0



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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 03/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094738.D Time Analyzed: 15:02

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.901	7.807	8.007	40.160	50.000	-19.7
Endrin	5.630	5.534	5.734	50.650	50.000	1.3
gamma-BHC (Lindane)	3.602	3.504	3.704	54.710	50.000	9.4
Heptachlor	3.939	3.842	4.042	49.600	50.000	-0.8
Heptachlor epoxide	4.721	4.625	4.825	52.310	50.000	4.6
Methoxychlor	6.603	6.507	6.707	44.080	50.000	-11.8
Tetrachloro-m-xylene	2.770	2.672	2.872	55.450	50.000	10.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094738.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 15:02
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:04:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	142.9E6	197.9E6	50.487	55.449
28)	SA Decachlor...	9.050	7.901	99852250	162.2E6	47.380	40.163m
Target Compounds							
2)	A alpha-BHC	3.992	3.272	208.1E6	301.3E6	50.125	55.880
3)	MA gamma-BHC...	4.324	3.602	199.5E6	281.2E6	50.003	54.707
4)	MA Heptachlor	4.912	3.939	178.5E6	261.3E6	45.974	49.598
5)	MB Aldrin	5.254	4.219	177.8E6	258.3E6	48.167	52.962
6)	B beta-BHC	4.524	3.902	91071115	122.3E6	49.355	55.061
7)	B delta-BHC	4.770	4.131	198.2E6	277.8E6	50.886	55.534
8)	B Heptachlo...	5.680	4.721	161.1E6	239.5E6	48.151	52.306
9)	A Endosulfan I	6.066	5.091	145.4E6	215.1E6	47.354	49.022
10)	B gamma-Chl...	5.937	4.970	163.6E6	254.8E6	48.544	52.762m
11)	B alpha-Chl...	6.015	5.034	157.7E6	247.8E6	47.843	51.917
12)	B 4,4'-DDE	6.190	5.221	150.8E6	249.1E6	51.265	53.579m
13)	MA Dieldrin	6.341	5.353	151.4E6	248.2E6	47.340	51.160m
14)	MA Endrin	6.569	5.630	125.9E6	221.0E6	45.419m	50.653
15)	B Endosulfa...	6.791	5.925	127.5E6	214.4E6	46.978	49.536
16)	A 4,4'-DDD	6.707	5.778	115.2E6	199.5E6	53.162	55.488
17)	MA 4,4'-DDT	7.020	6.028	106.1E6	187.4E6	44.614	46.477
18)	B Endrin al...	6.921	6.104	93165254	153.9E6	44.133	45.739
19)	B Endosulfa...	7.155	6.327	113.3E6	197.4E6	46.573	48.453
20)	A Methoxychlor	7.496	6.603	55144723	93491988	46.066	44.078
21)	B Endrin ke...	7.641	6.831	122.8E6	219.5E6	46.468	45.986m
22)	Mirex	8.113	7.012	91548775	162.3E6	44.306	42.766

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 15:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

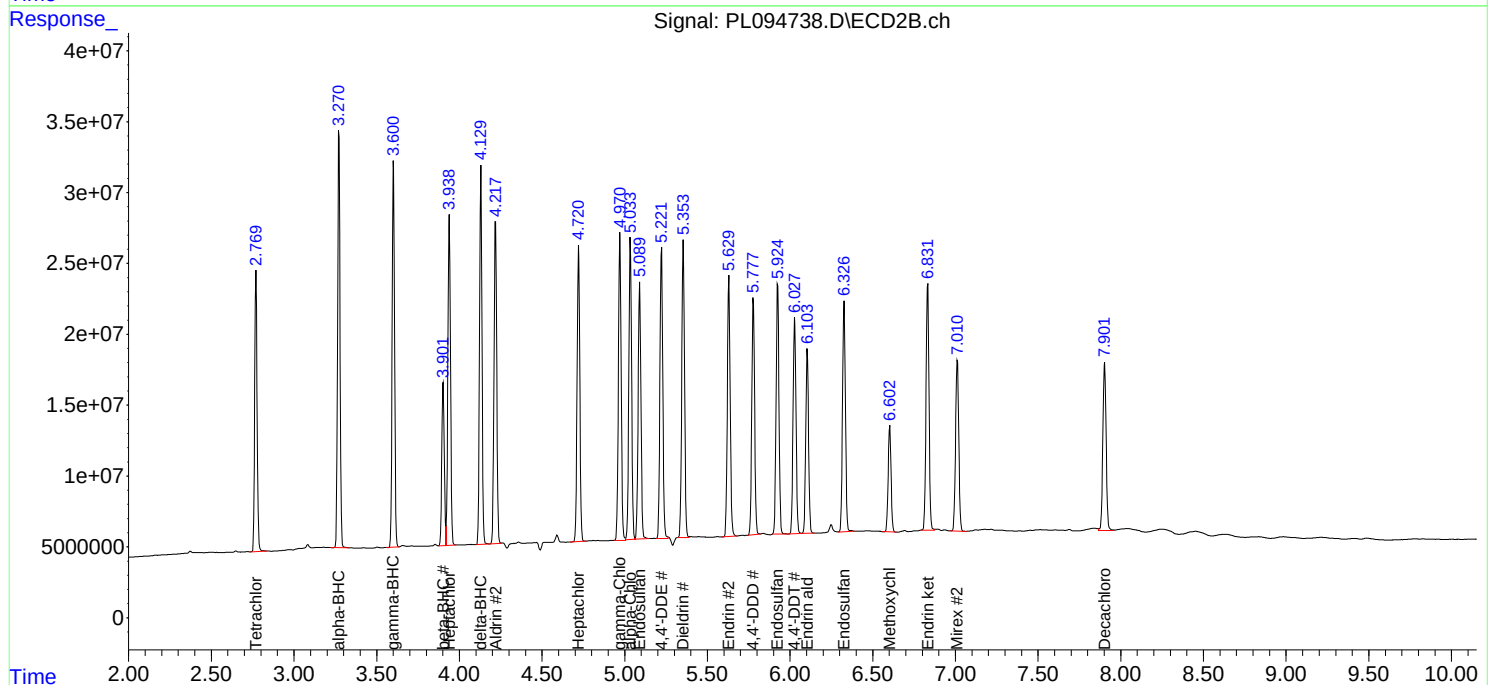
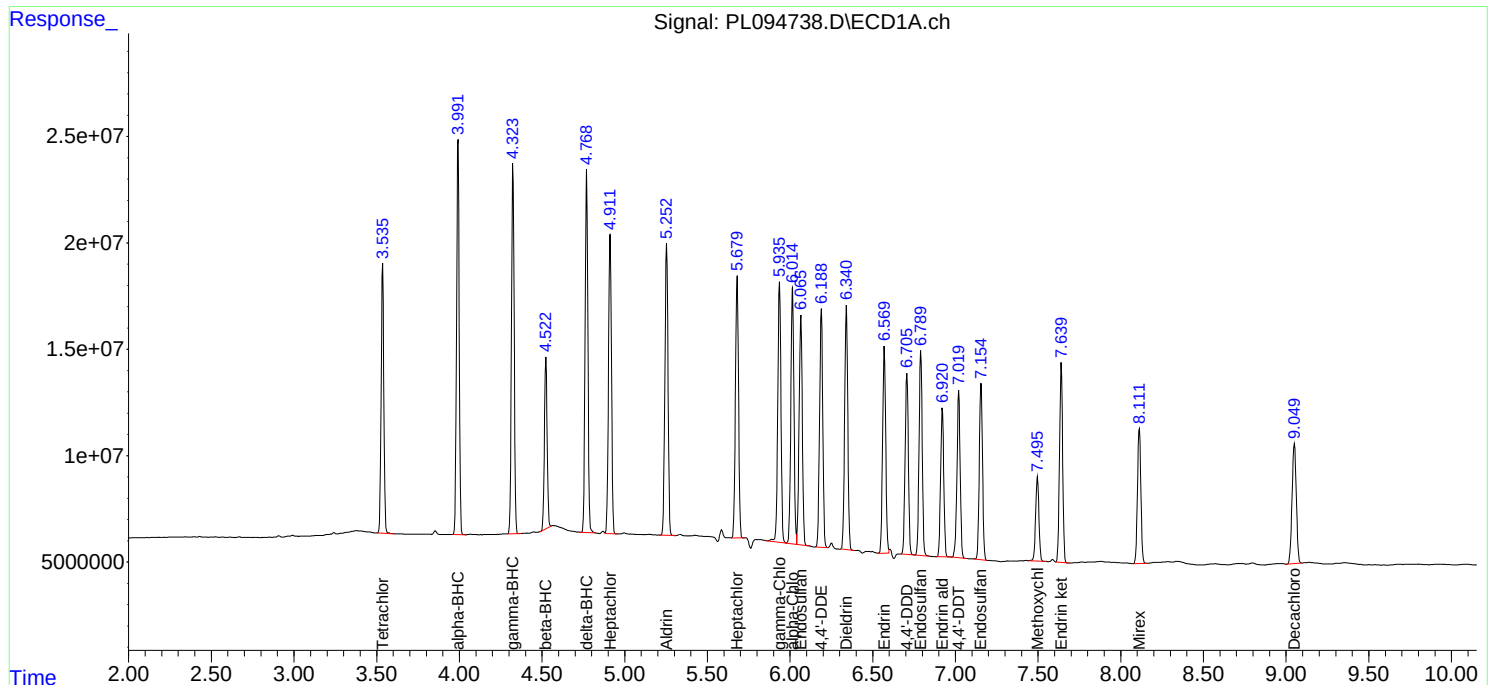
APPROVED

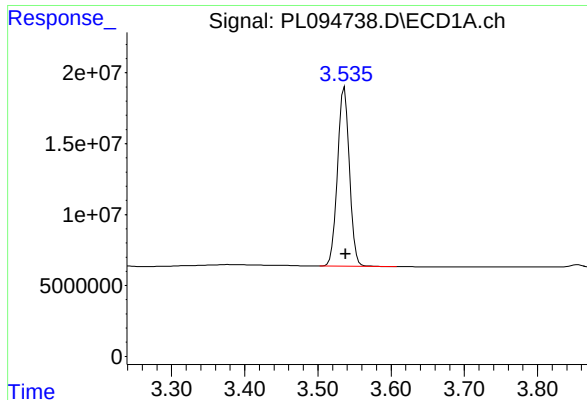
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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.: -0.002 min
Response: 142913311
Conc: 50.49 ng/ml

Instrument :

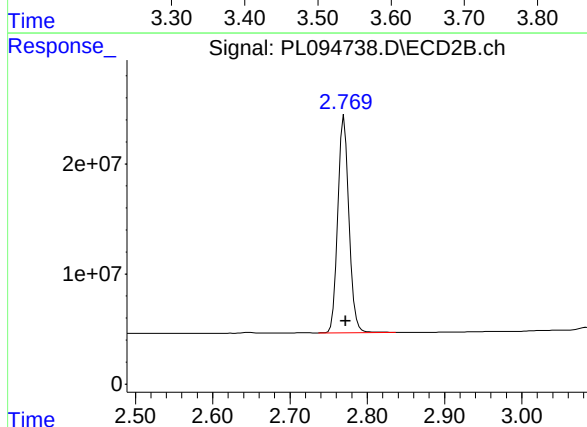
ECD_L

ClientSampleId :

PSTDCCC050

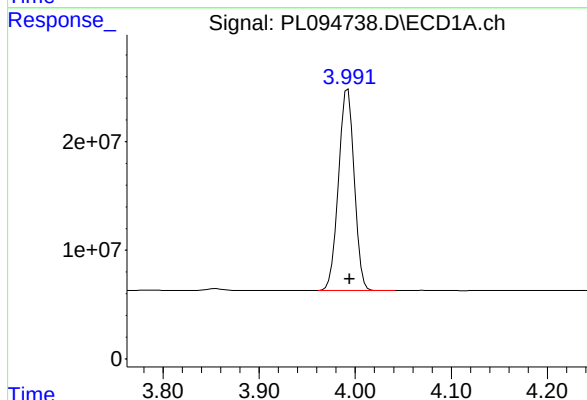
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



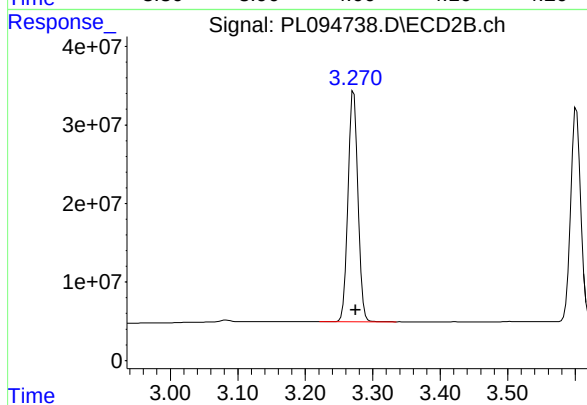
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 197911946
Conc: 55.45 ng/ml



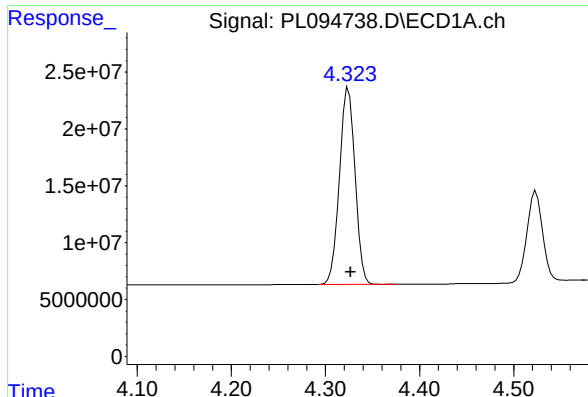
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 208135712
Conc: 50.12 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 301268101
Conc: 55.88 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 199525769
Conc: 50.00 ng/ml

Instrument :

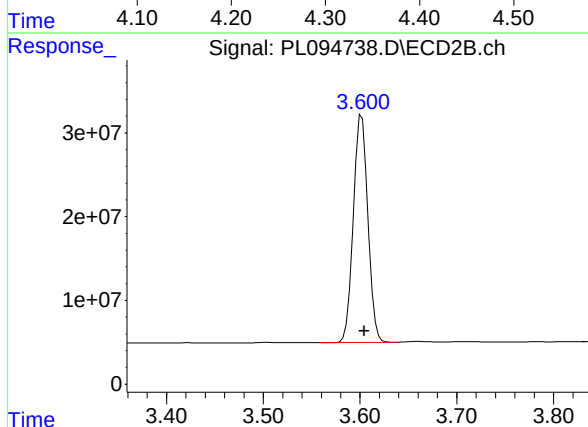
ECD_L

ClientSampleId :

PSTDCCC050

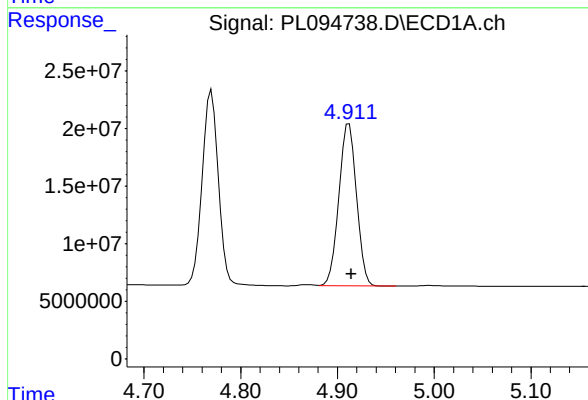
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



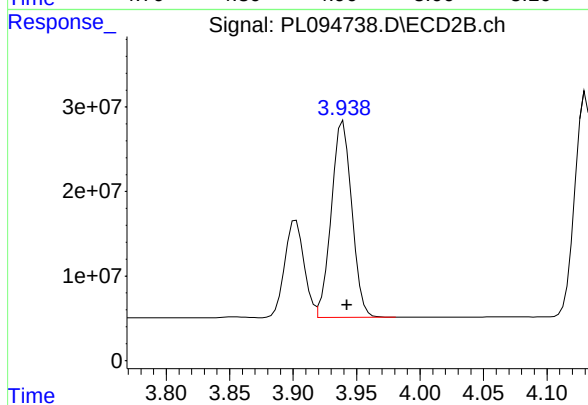
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 281164760
Conc: 54.71 ng/ml



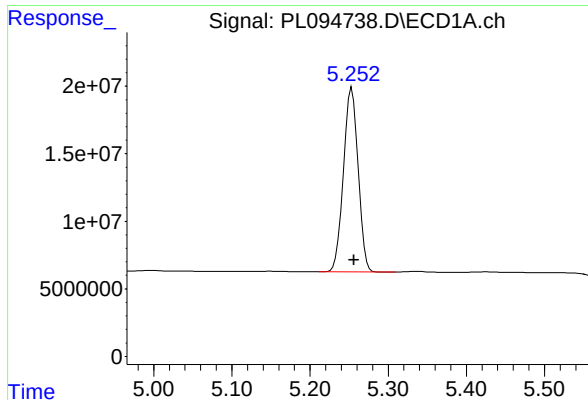
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 178452344
Conc: 45.97 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 261311957
Conc: 49.60 ng/ml



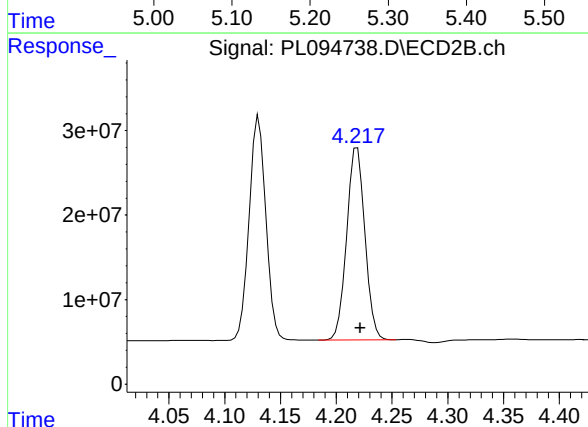
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.003 min
Response: 177842595
Conc: 48.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

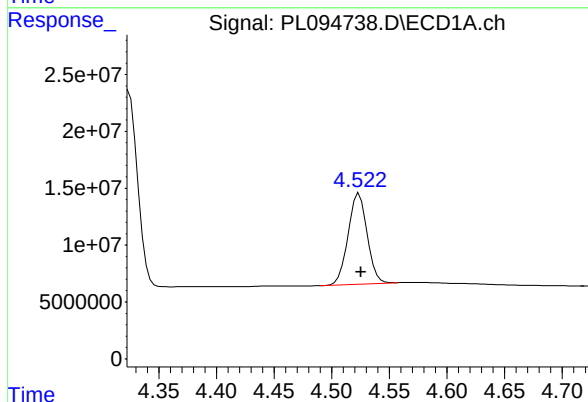
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



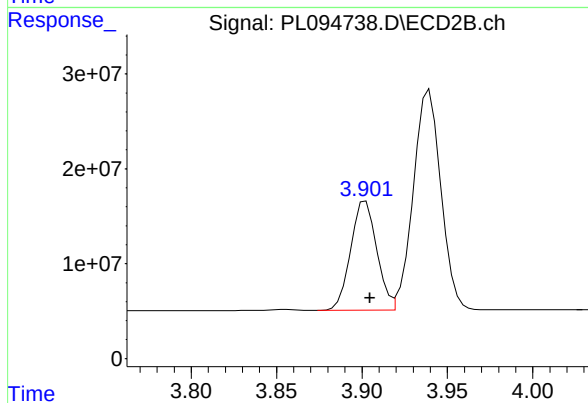
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 258258736
Conc: 52.96 ng/ml



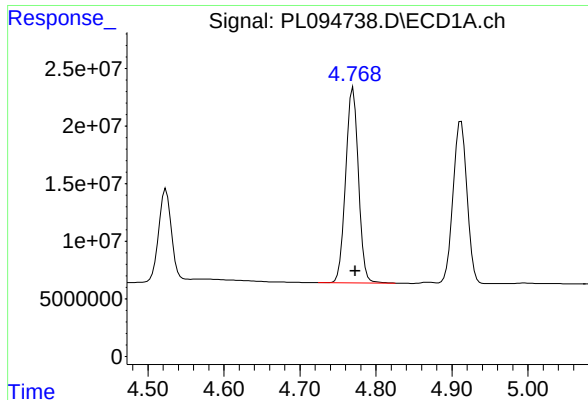
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 91071115
Conc: 49.36 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 122306573
Conc: 55.06 ng/ml



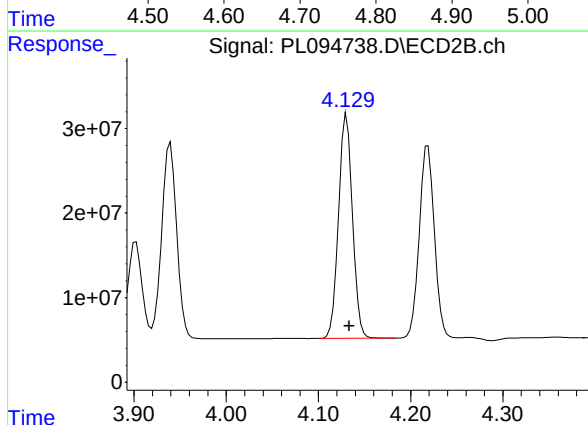
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 198165272
Conc: 50.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

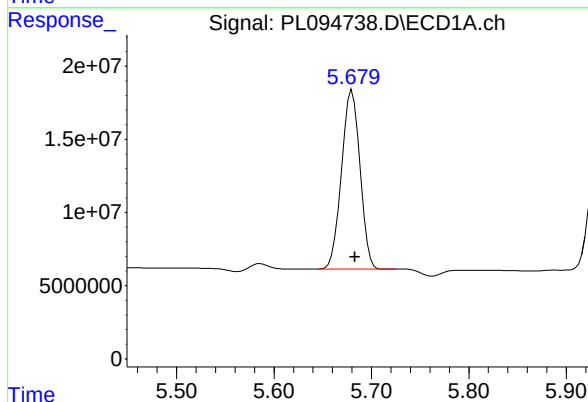
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



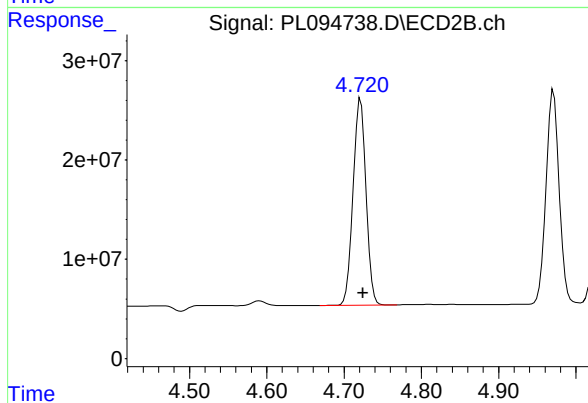
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 277777692
Conc: 55.53 ng/ml



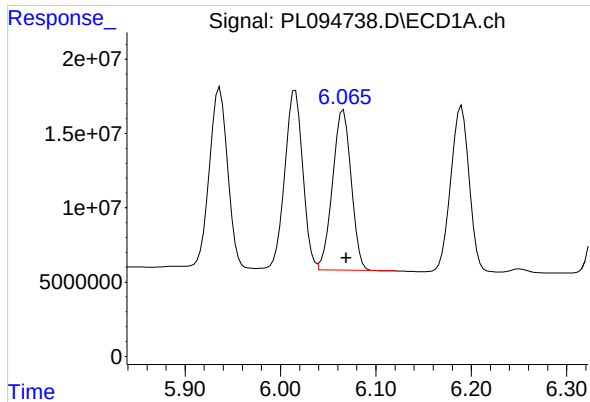
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 161072980
Conc: 48.15 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 239487038
Conc: 52.31 ng/ml



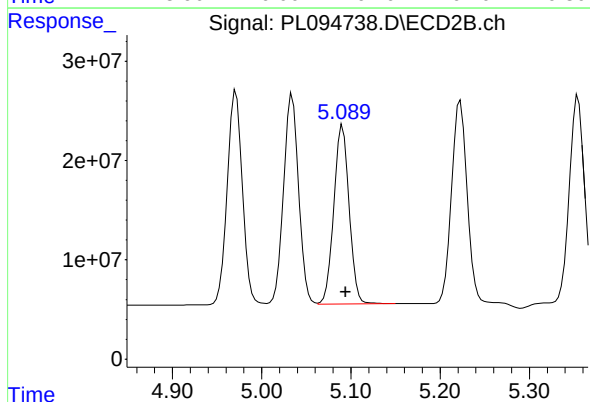
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 145385218
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

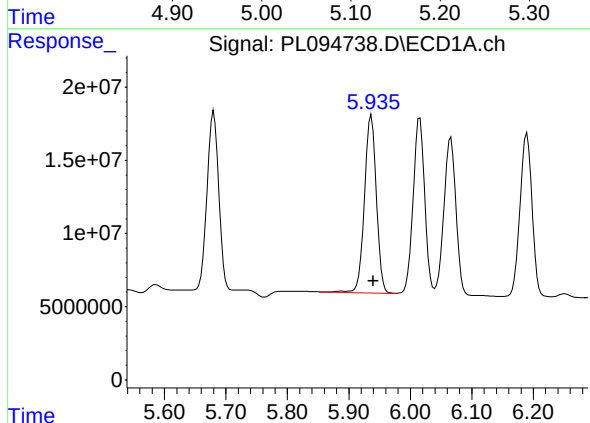
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



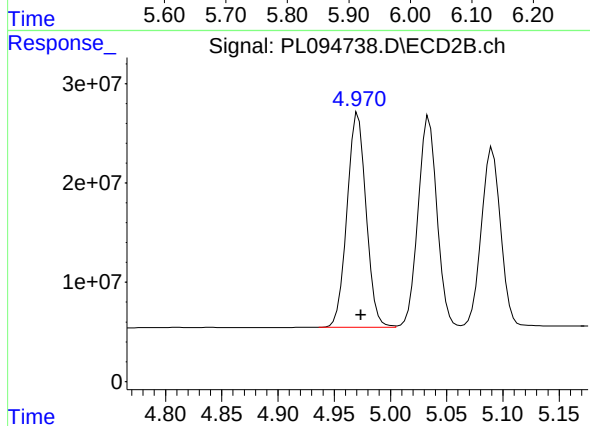
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 215143416
Conc: 49.02 ng/ml



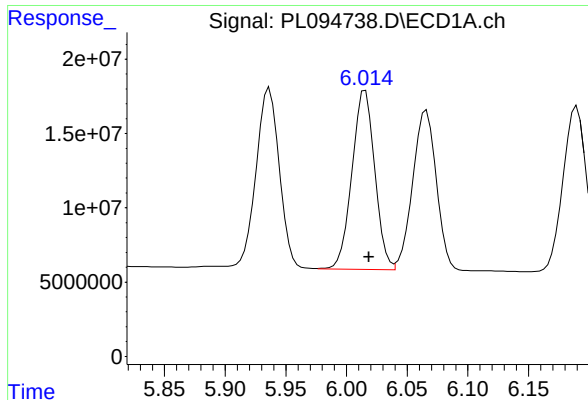
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 163562918
Conc: 48.54 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 254756179
Conc: 52.76 ng/ml m



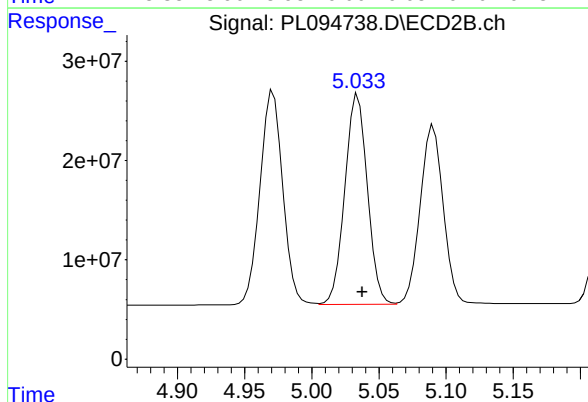
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 157729274
Conc: 47.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

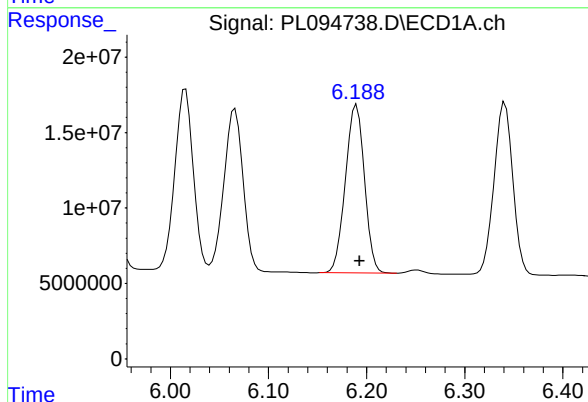
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



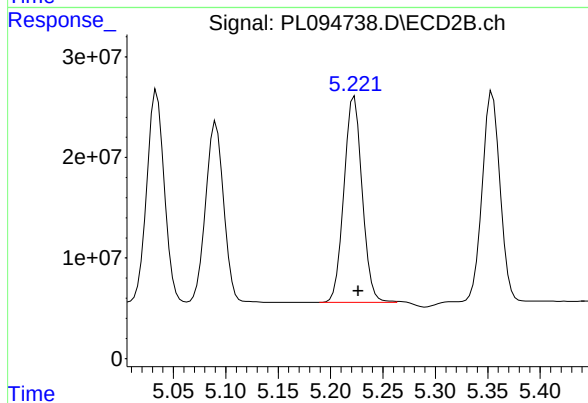
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 247788437
Conc: 51.92 ng/ml



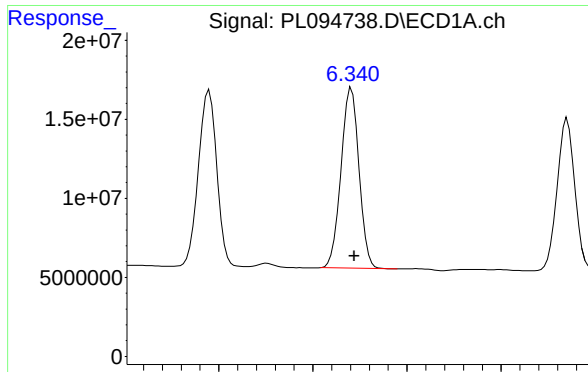
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 150825991
Conc: 51.27 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 249061810
Conc: 53.58 ng/ml m



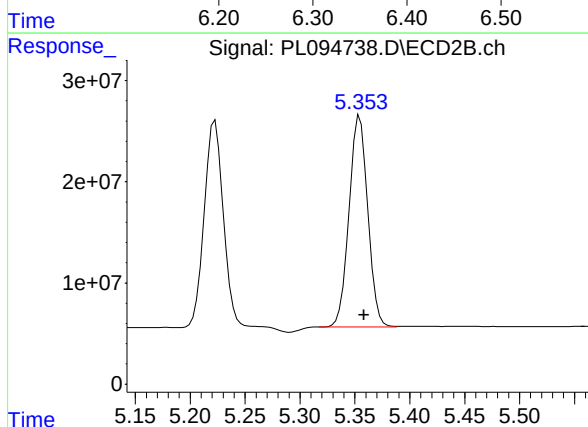
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 151401037
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

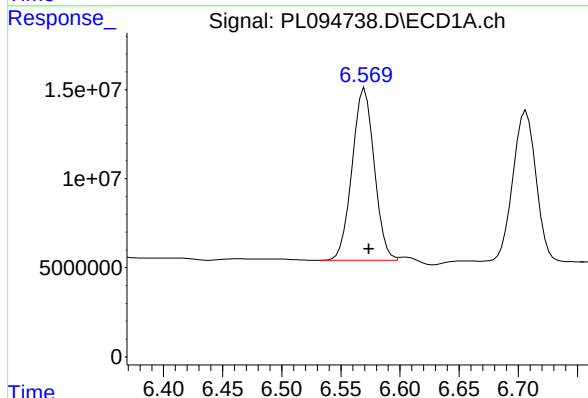
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



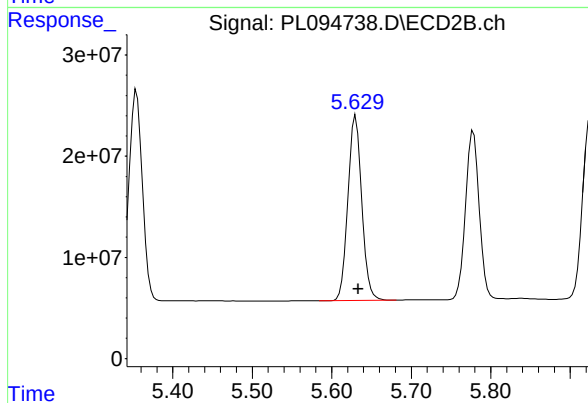
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.005 min
Response: 248218476
Conc: 51.16 ng/ml



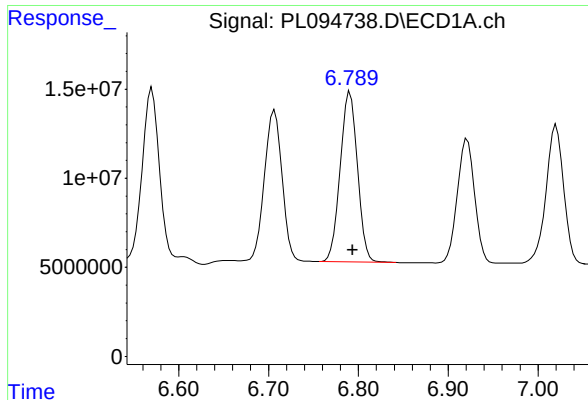
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 125903899
Conc: 45.42 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 221032134
Conc: 50.65 ng/ml



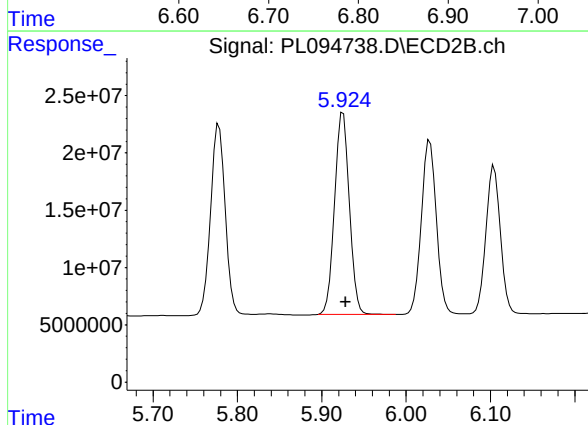
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 127533828
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

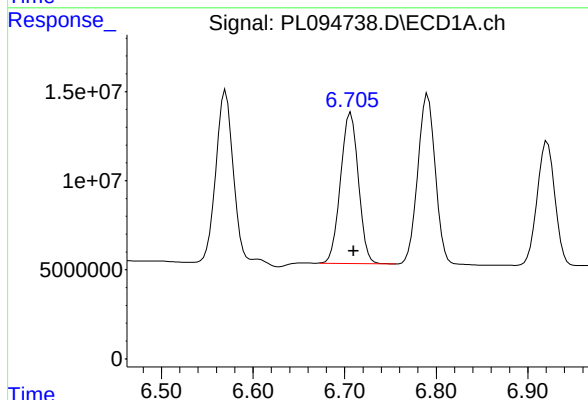
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



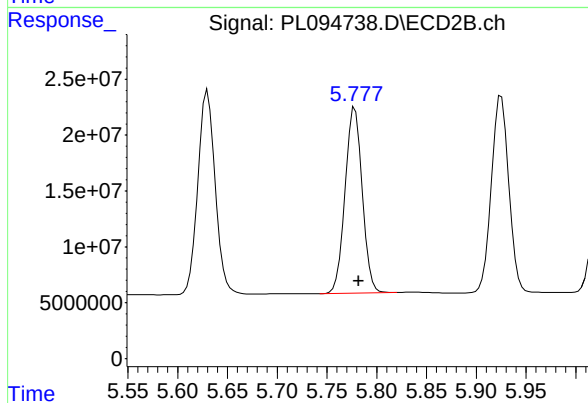
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 214405895
Conc: 49.54 ng/ml



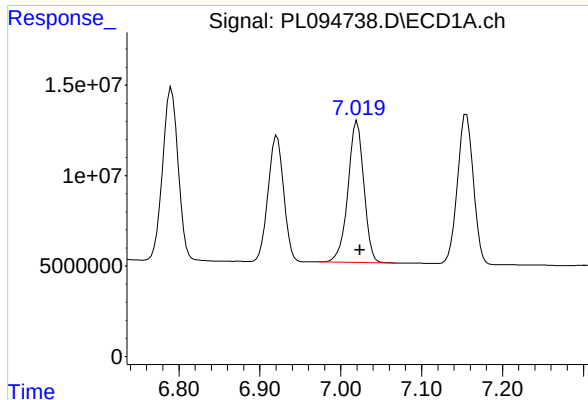
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 115152317
Conc: 53.16 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 199528031
Conc: 55.49 ng/ml



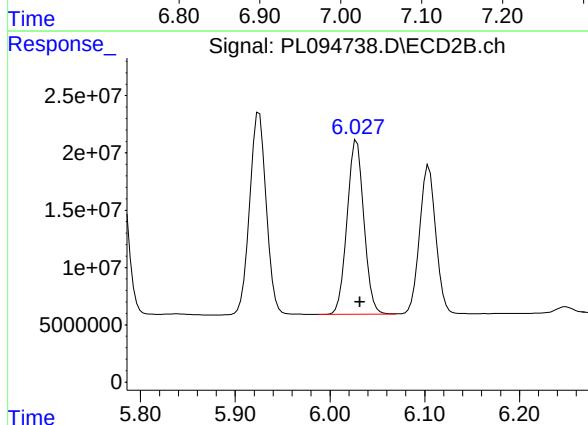
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 106115290
Conc: 44.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

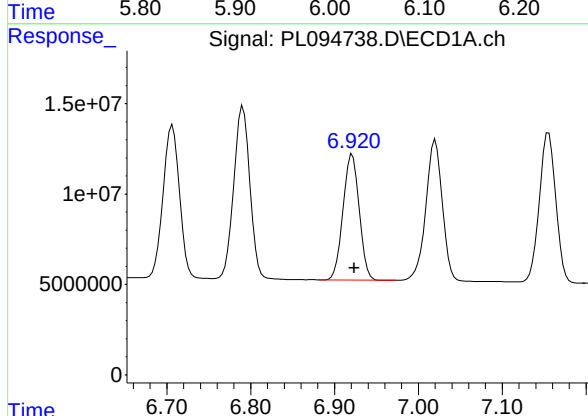
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



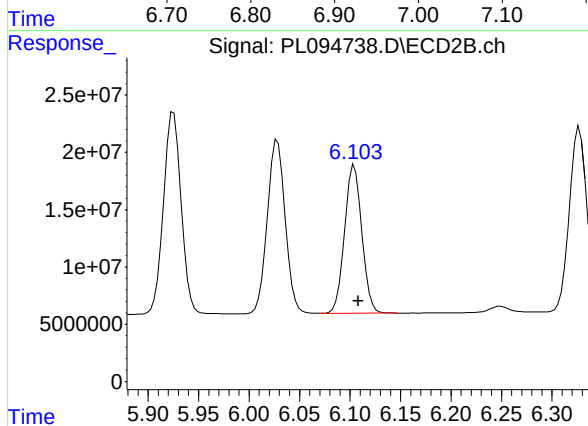
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 187399621
Conc: 46.48 ng/ml



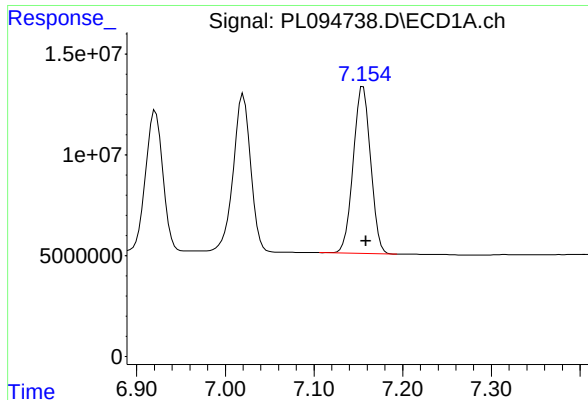
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 93165254
Conc: 44.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 153927718
Conc: 45.74 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 113266825
Conc: 46.57 ng/ml

Instrument :

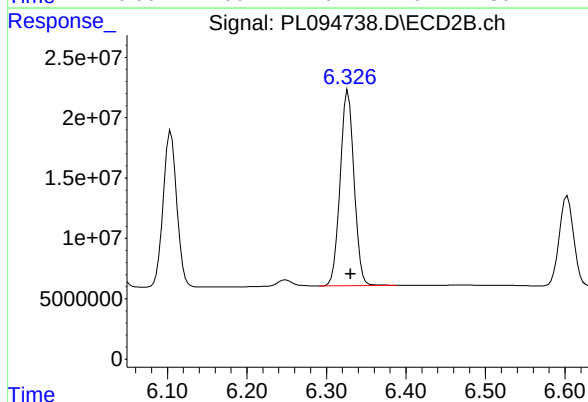
ECD_L

ClientSampleId :

PSTDCCC050

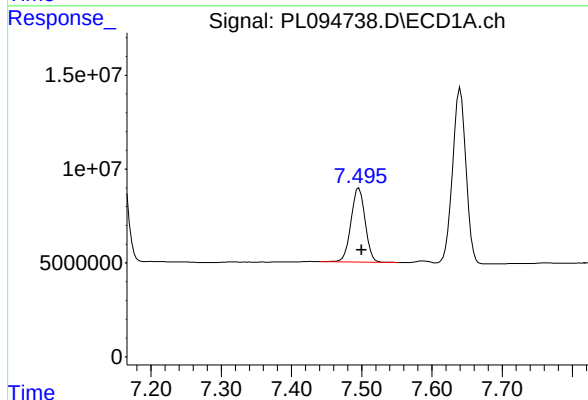
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



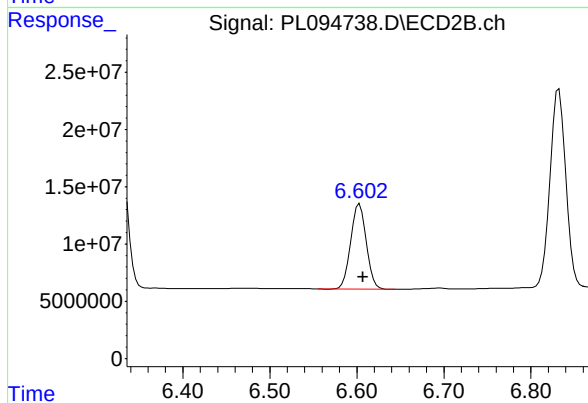
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.004 min
Response: 197371832
Conc: 48.45 ng/ml



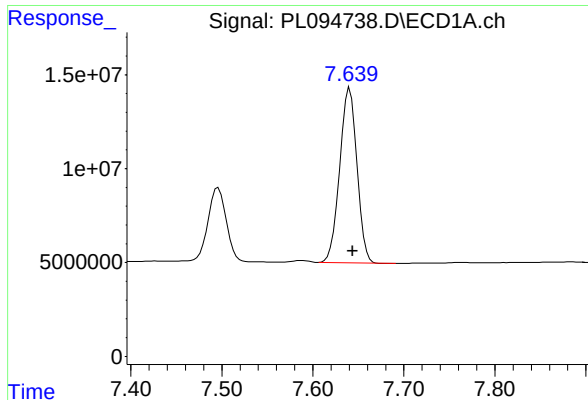
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 55144723
Conc: 46.07 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 93491988
Conc: 44.08 ng/ml



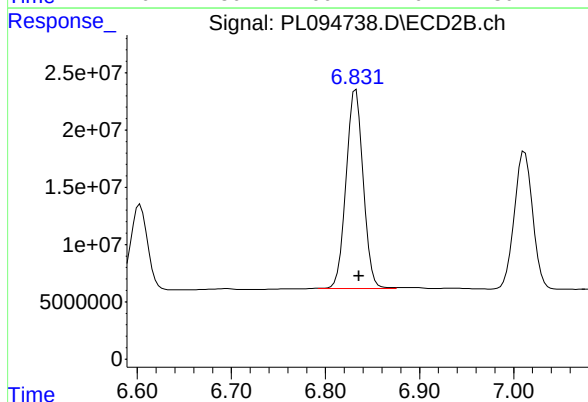
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 122827227
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

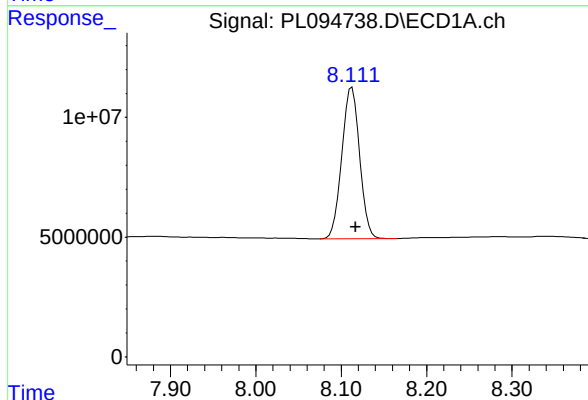
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



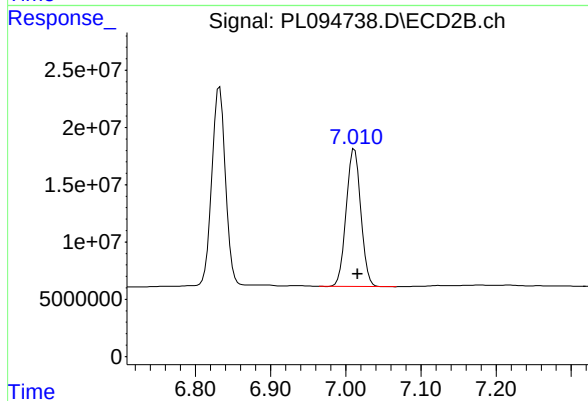
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 219472640
Conc: 45.99 ng/ml



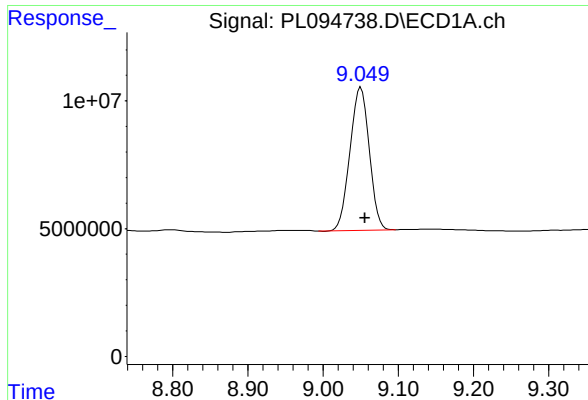
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 91548775
Conc: 44.31 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 162309148
Conc: 42.77 ng/ml



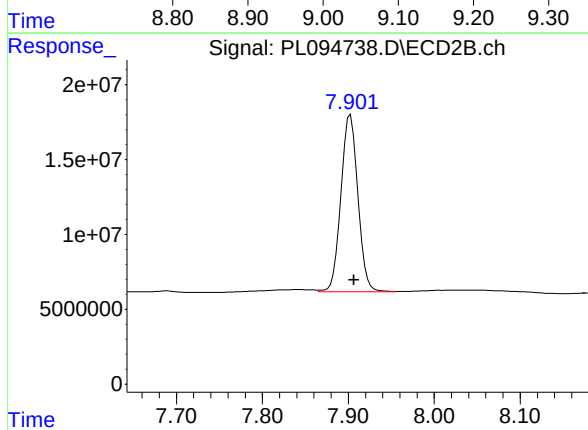
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 99852250
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 162232710
Conc: 40.16 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.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Continuing Calib Date: 03/19/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:31 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

Continuing Calib Date: 03/19/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:31 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 03/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094752.D Time Analyzed: 19:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.050	8.956	9.156	50.180	50.000	0.4
Endrin	6.571	6.474	6.674	41.560	50.000	-16.9
gamma-BHC (Lindane)	4.324	4.227	4.427	48.620	50.000	-2.8
Heptachlor	4.912	4.815	5.015	44.780	50.000	-10.4
Heptachlor epoxide	5.680	5.583	5.783	47.620	50.000	-4.8
Methoxychlor	7.497	7.400	7.600	44.090	50.000	-11.8
Tetrachloro-m-xylene	3.536	3.438	3.638	48.910	50.000	-2.2



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1569 SAS No.: Q1569 SDG NO.: Q1569

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 03/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094752.D Time Analyzed: 19:31

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.903	7.807	8.007	47.370	50.000	-5.3
Endrin	5.631	5.534	5.734	48.310	50.000	-3.4
gamma-BHC (Lindane)	3.602	3.504	3.704	51.930	50.000	3.9
Heptachlor	3.939	3.842	4.042	47.360	50.000	-5.3
Heptachlor epoxide	4.720	4.625	4.825	50.720	50.000	1.4
Methoxychlor	6.603	6.507	6.707	45.410	50.000	-9.2
Tetrachloro-m-xylene	2.770	2.672	2.872	52.230	50.000	4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094752.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 19:31
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 01:10:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	138.4E6	186.4E6	48.908	52.231
28) SA Decachlor...	9.050	7.903	105.7E6	191.3E6	50.177	47.365
Target Compounds						
2) A alpha-BHC	3.992	3.272	203.2E6	282.8E6	48.927	52.457
3) MA gamma-BHC...	4.324	3.602	194.0E6	266.9E6	48.616	51.929
4) MA Heptachlor	4.912	3.939	173.8E6	249.5E6	44.783	47.356
5) MB Aldrin	5.253	4.219	175.0E6	249.5E6	47.391	51.159
6) B beta-BHC	4.523	3.902	89095959	117.0E6	48.285	52.671
7) B delta-BHC	4.770	4.130	194.9E6	268.3E6	50.058	53.644
8) B Heptachlo...	5.680	4.720	159.3E6	232.2E6	47.617	50.724m
9) A Endosulfan I	6.066	5.089	146.6E6	207.5E6	47.748	47.284m
10) B gamma-Chl...	5.937	4.970	160.4E6	247.7E6	47.595	51.302m
11) B alpha-Chl...	6.015	5.035	157.9E6	250.0E6	47.884	52.384
12) B 4,4'-DDE	6.190	5.222	151.5E6	244.0E6	51.499	52.480m
13) MA Dieldrin	6.341	5.354	153.0E6	244.7E6	47.834	50.439m
14) MA Endrin	6.571	5.631	115.2E6	210.8E6	41.558	48.313
15) B Endosulfa...	6.791	5.926	130.1E6	218.7E6	47.905	50.527
16) A 4,4'-DDD	6.708	5.778	121.1E6	209.1E6	55.896	58.140
17) MA 4,4'-DDT	7.020	6.028	105.1E6	179.8E6	44.181	44.588
18) B Endrin al...	6.921	6.105	98377184	160.4E6	46.602	47.676
19) B Endosulfa...	7.156	6.328	117.4E6	203.9E6	48.269	50.054
20) A Methoxychlor	7.497	6.603	52774611	96324887	44.086	45.413
21) B Endrin ke...	7.641	6.833	133.3E6	247.8E6	50.417	51.920
22) Mirex	8.113	7.012	96494843	182.2E6	46.700	47.999

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 19:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

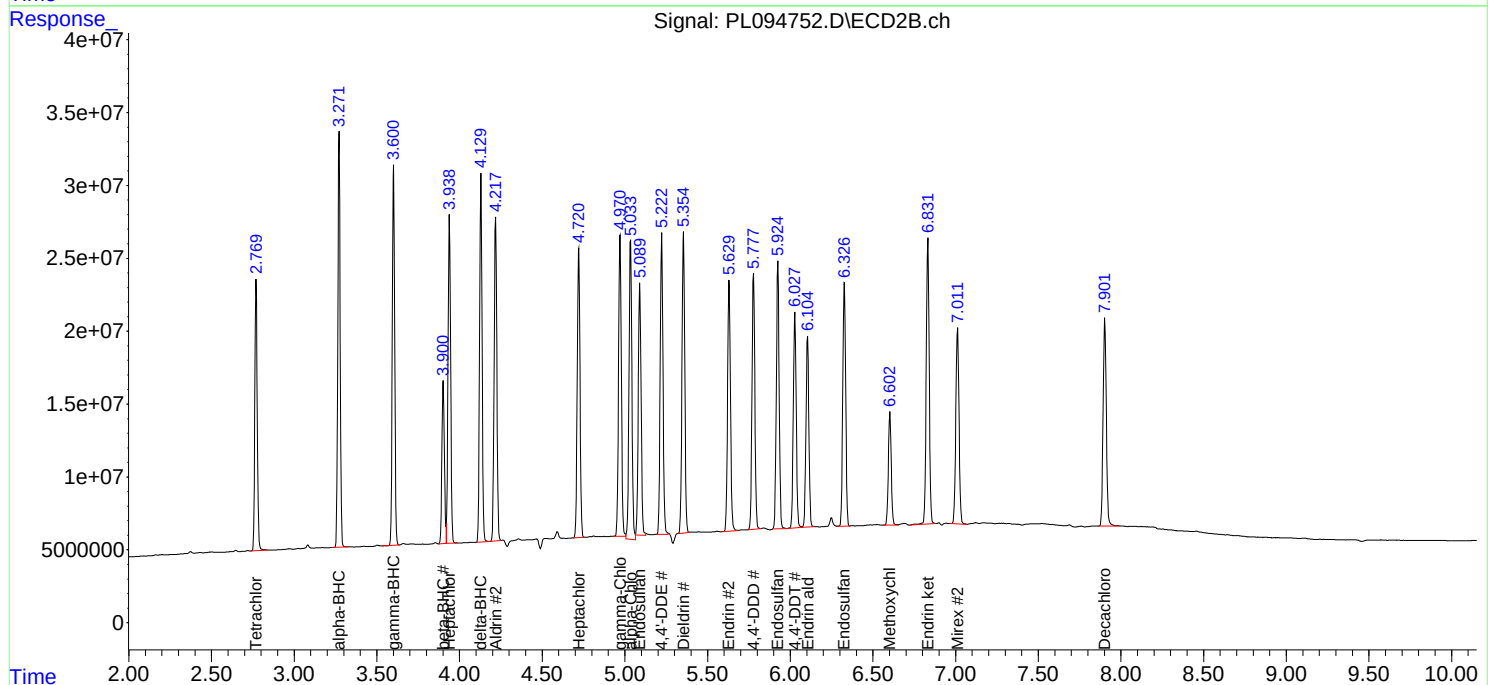
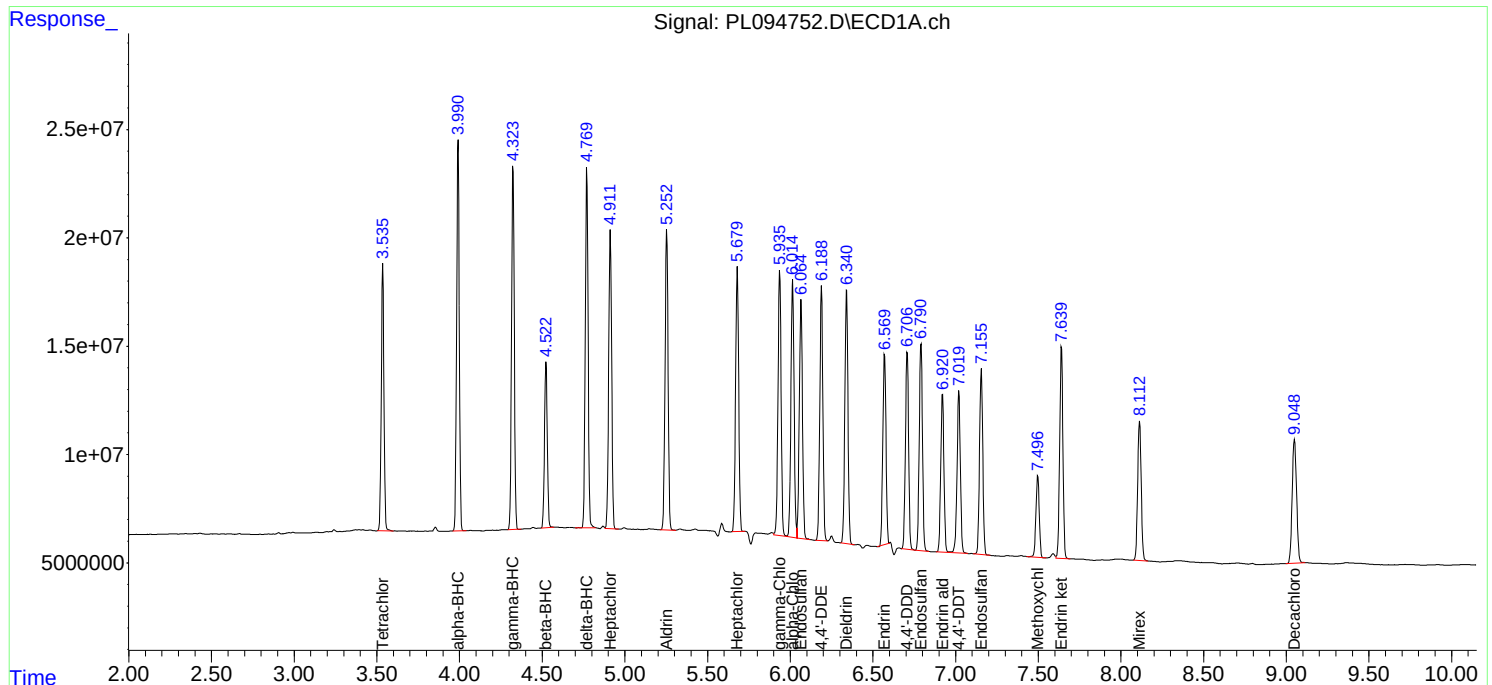
APPROVED

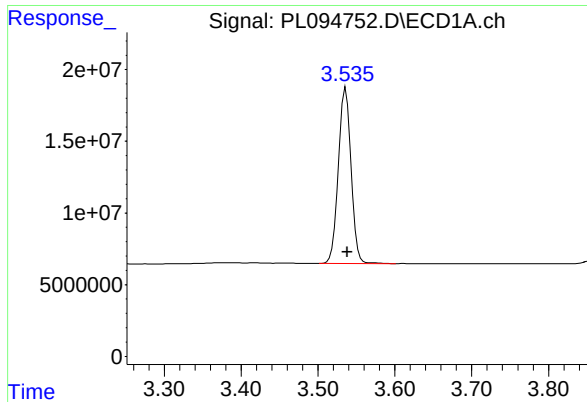
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 01:10:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





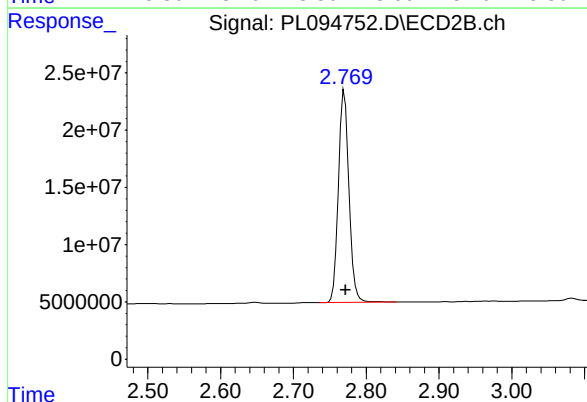
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 138443025
Conc: 48.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

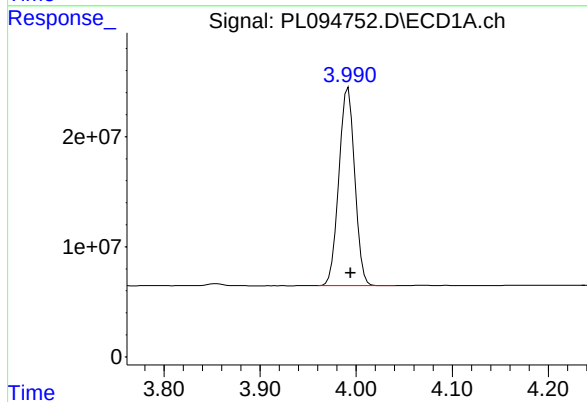
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



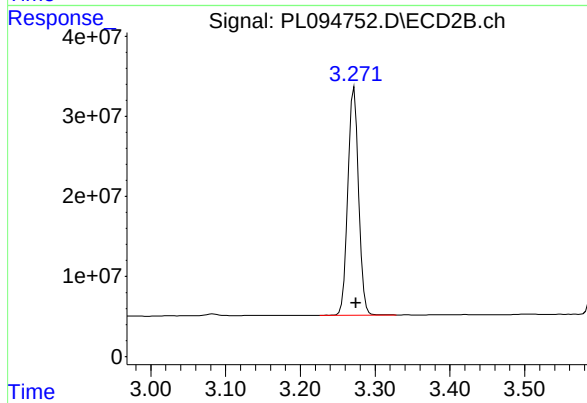
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 186424992
Conc: 52.23 ng/ml



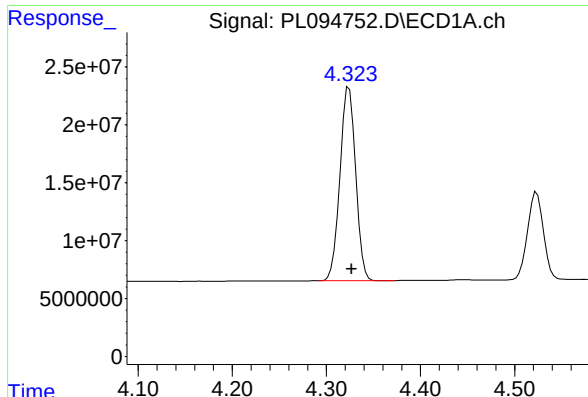
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 203159891
Conc: 48.93 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 282816474
Conc: 52.46 ng/ml



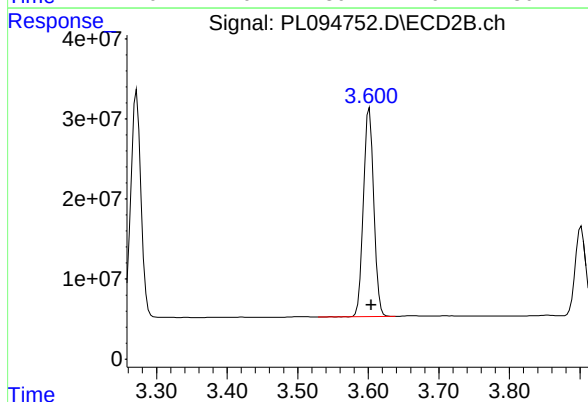
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 193990034
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

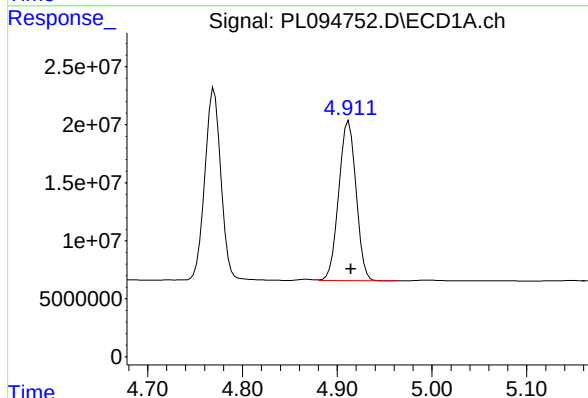
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



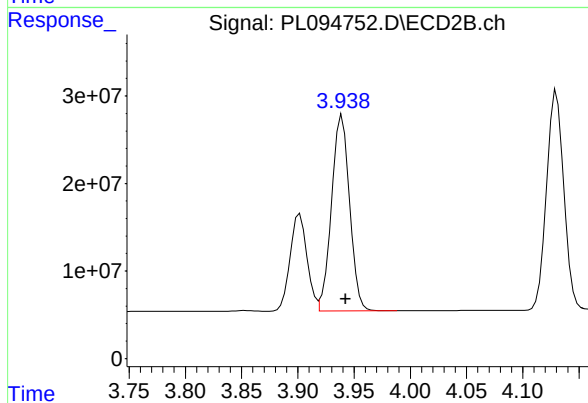
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.003 min
Response: 266889067
Conc: 51.93 ng/ml



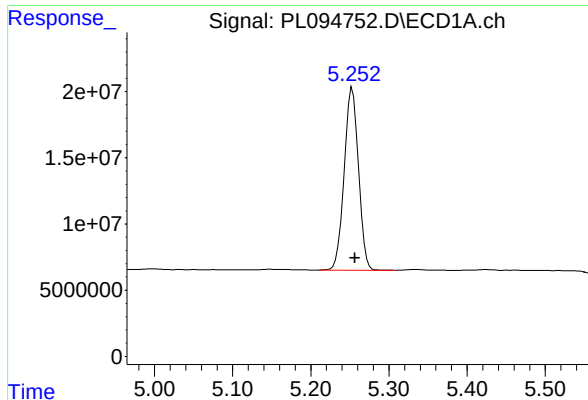
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 173829928
Conc: 44.78 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 249502473
Conc: 47.36 ng/ml



#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 174979304
Conc: 47.39 ng/ml

Instrument :

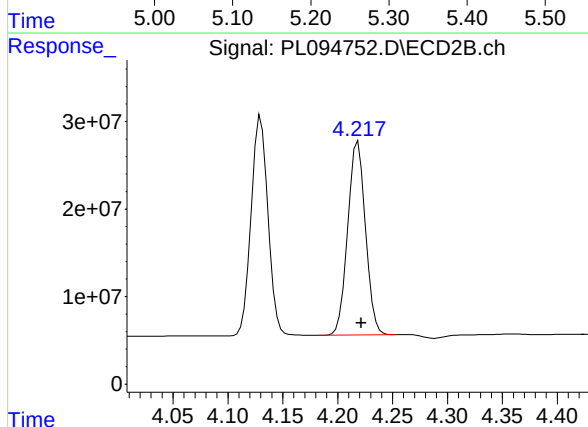
ECD_L

ClientSampleId :

PSTDCCC050

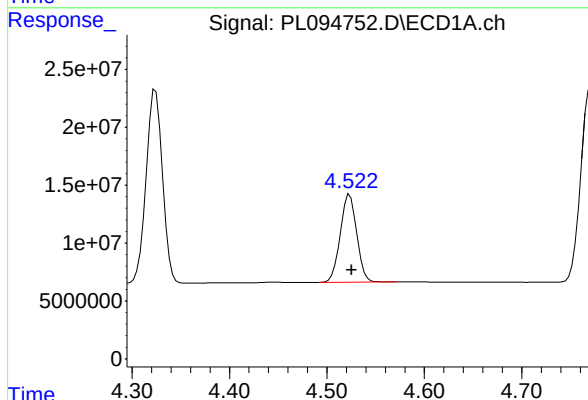
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



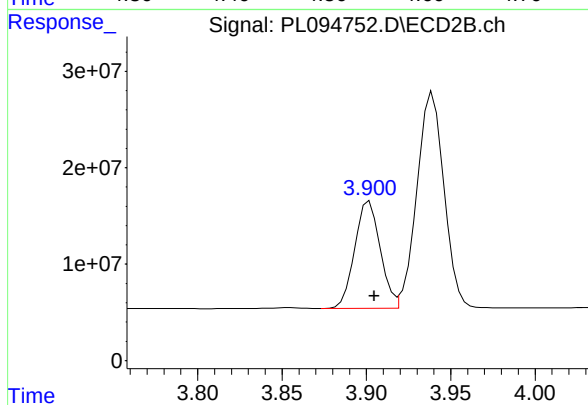
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 249466849
Conc: 51.16 ng/ml



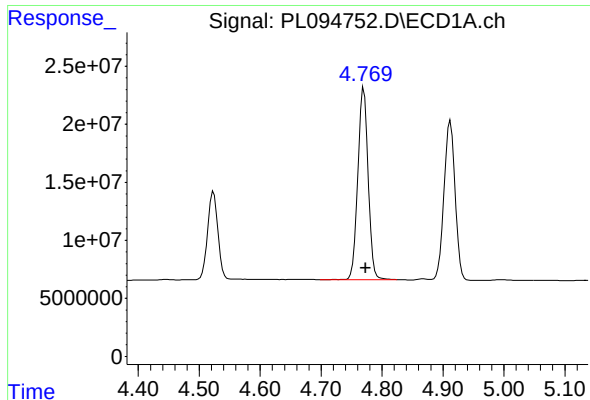
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 89095959
Conc: 48.28 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 116997453
Conc: 52.67 ng/ml



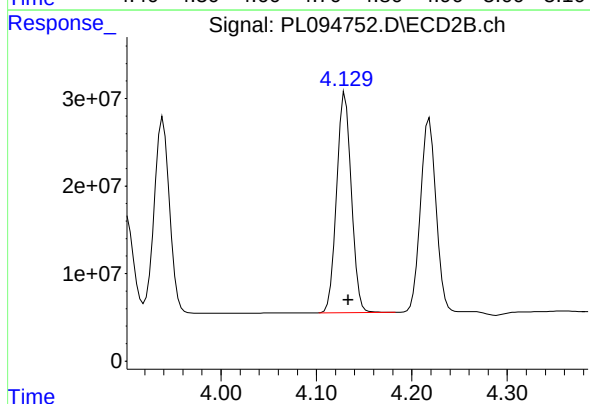
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 194941314
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

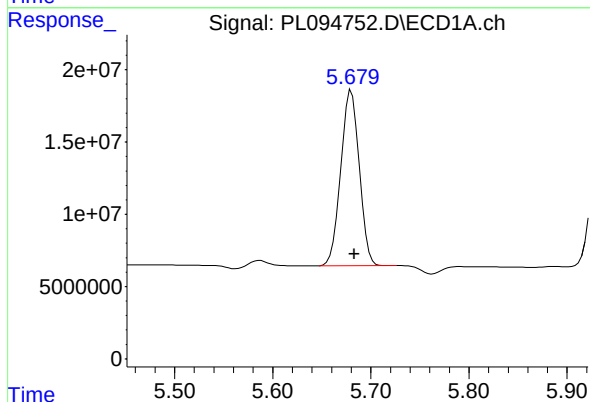
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



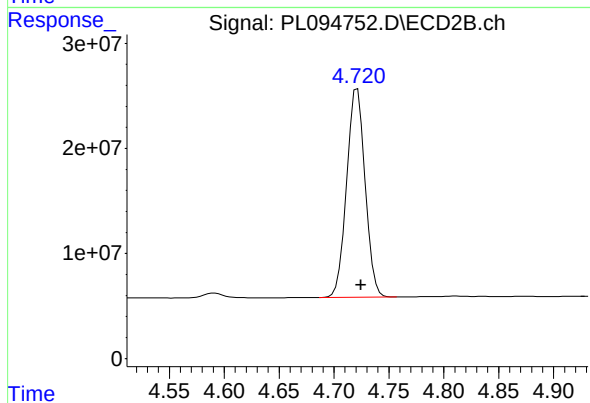
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 268324329
Conc: 53.64 ng/ml



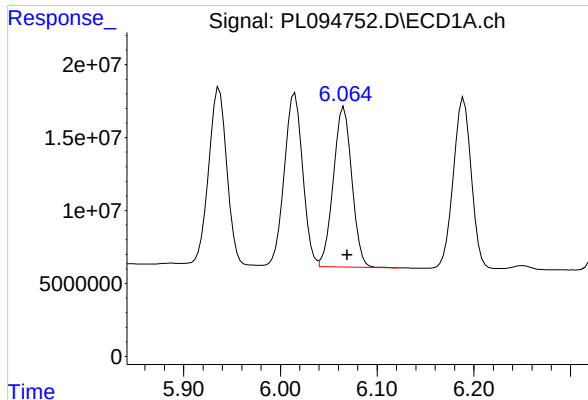
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 159287193
Conc: 47.62 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 232242828
Conc: 50.72 ng/ml m



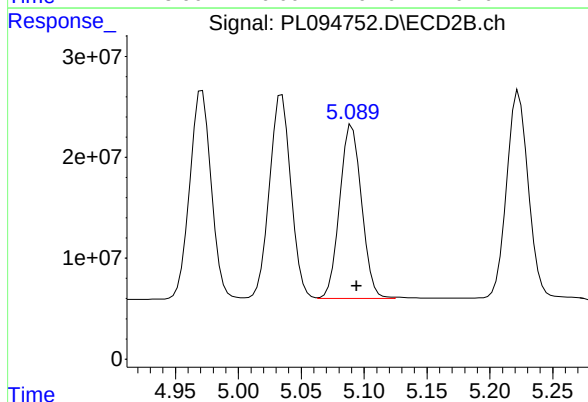
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 146596416
Conc: 47.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

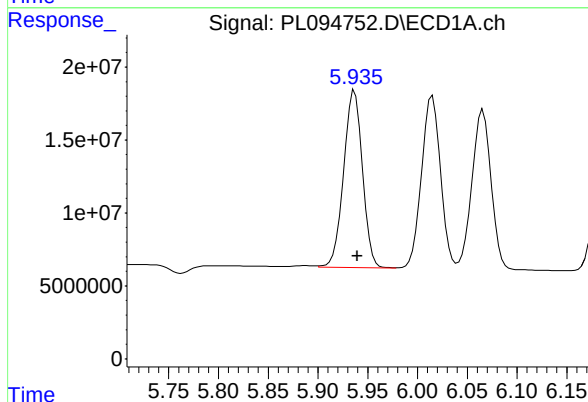
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



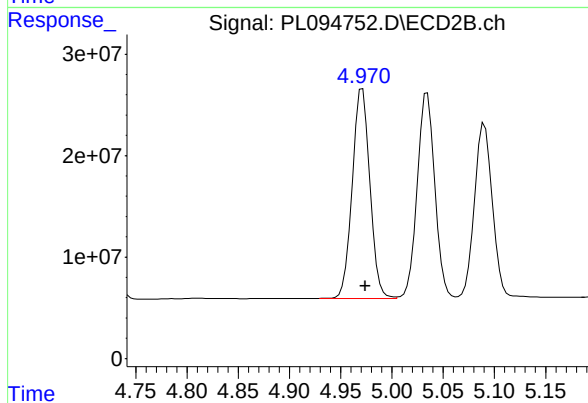
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 207517059
Conc: 47.28 ng/ml



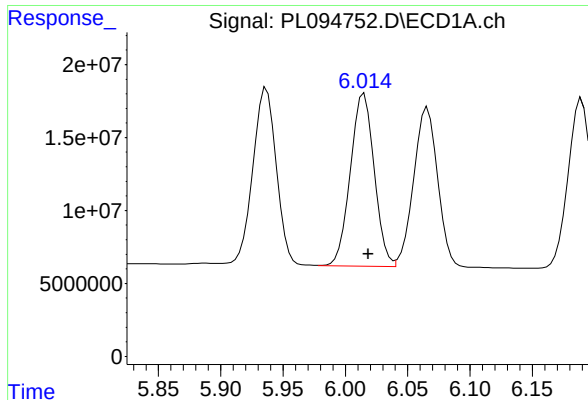
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 160366088
Conc: 47.60 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 247708781
Conc: 51.30 ng/ml



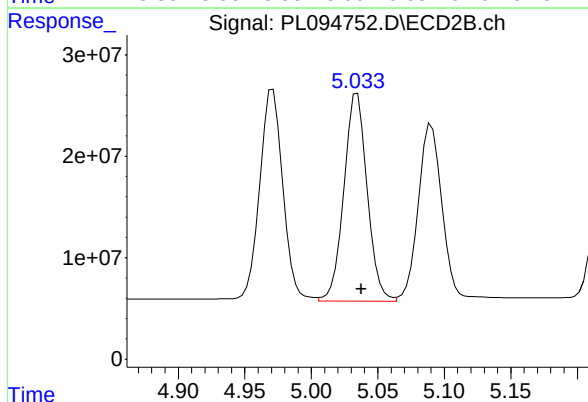
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 157864967
Conc: 47.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

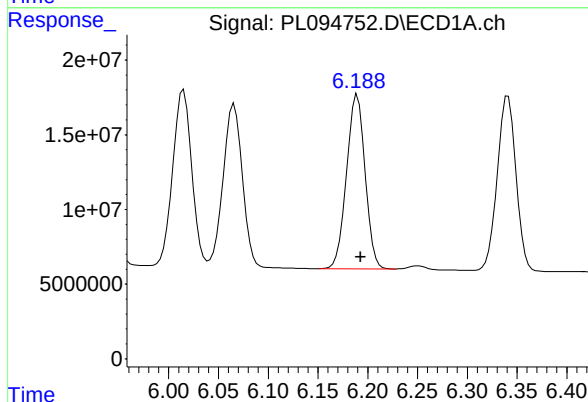
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



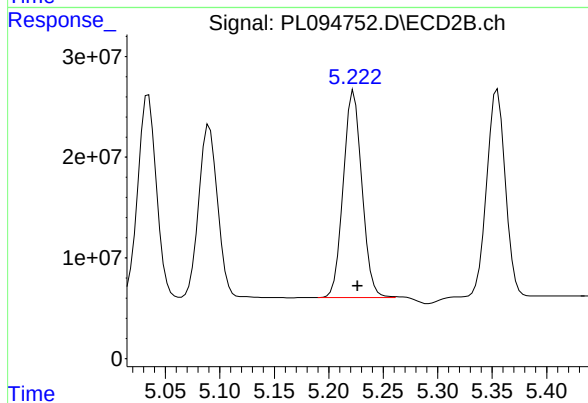
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 250017797
Conc: 52.38 ng/ml



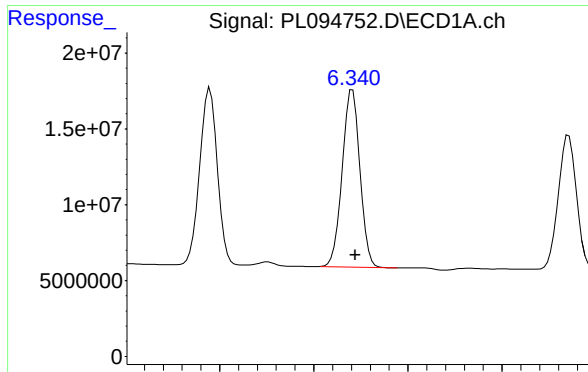
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 151512738
Conc: 51.50 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 243956759
Conc: 52.48 ng/ml m



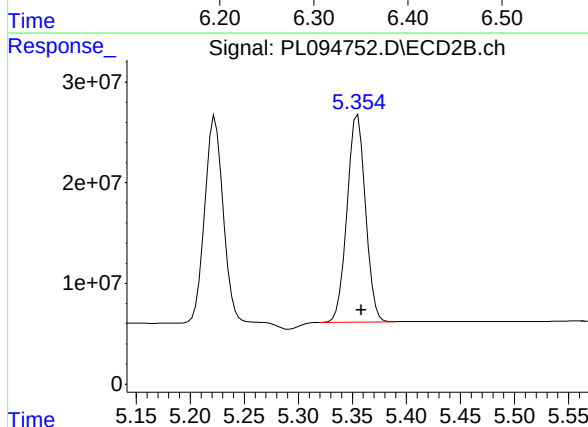
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 152979772
Conc: 47.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

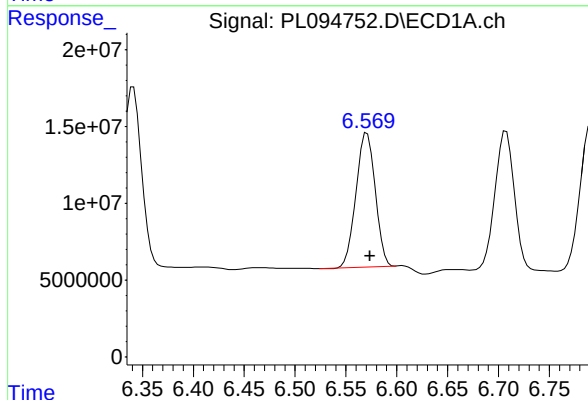
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



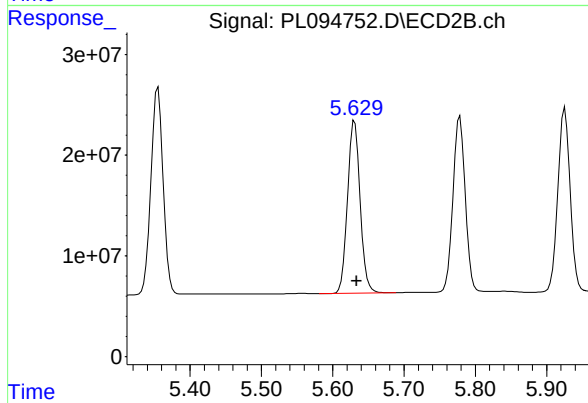
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.005 min
Response: 244722044
Conc: 50.44 ng/ml



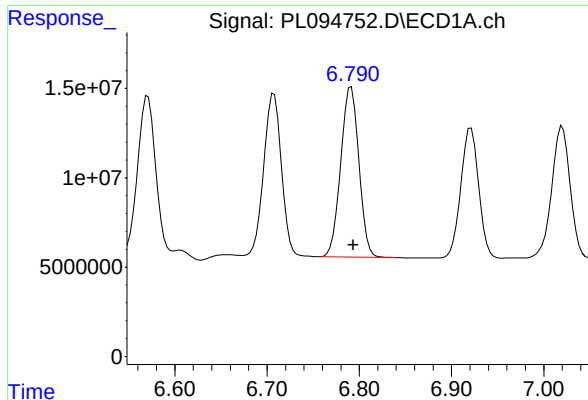
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 115202082
Conc: 41.56 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 210822746
Conc: 48.31 ng/ml



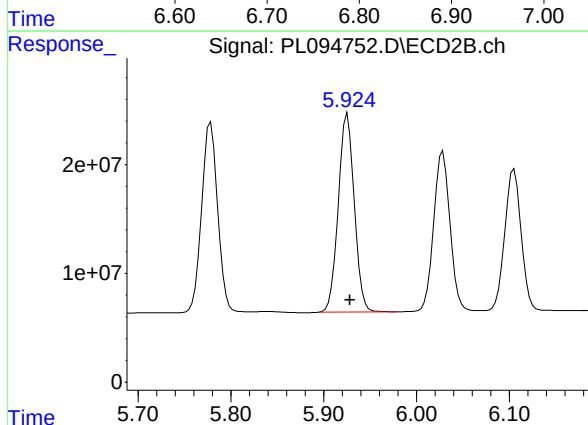
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.002 min
Response: 130050307
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

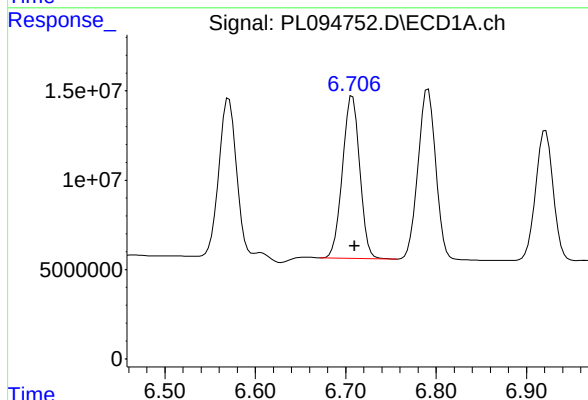
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



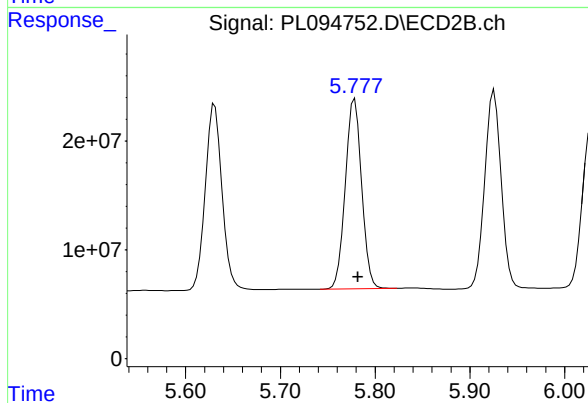
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 218694832
Conc: 50.53 ng/ml



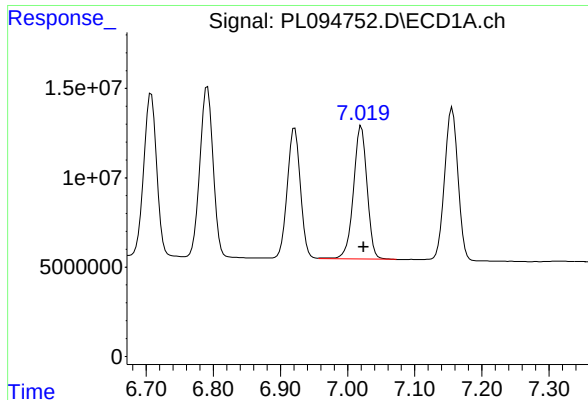
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 121074487
Conc: 55.90 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 209065607
Conc: 58.14 ng/ml



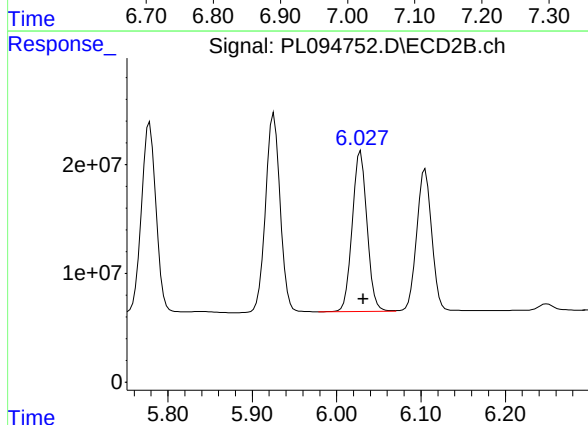
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 105085618
Conc: 44.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

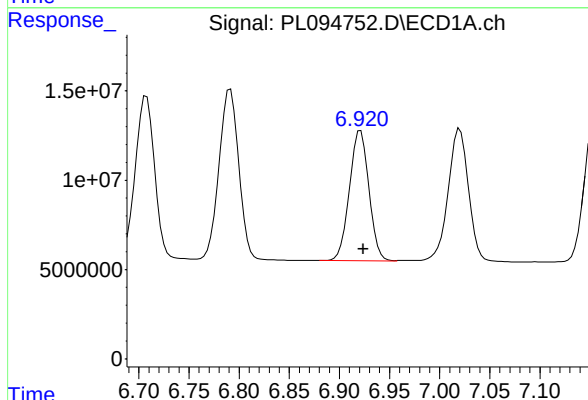
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



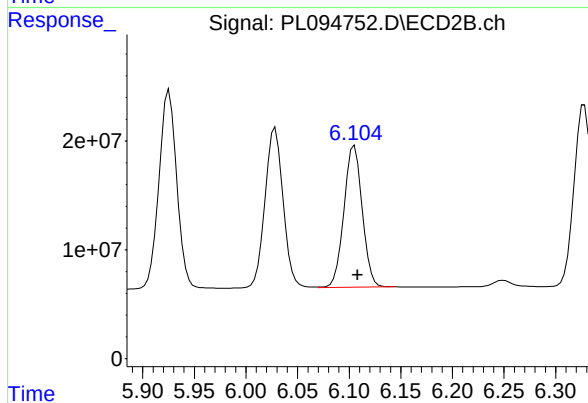
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 179785590
Conc: 44.59 ng/ml



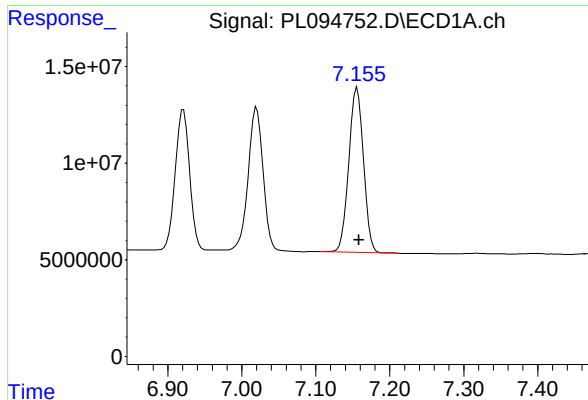
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 98377184
Conc: 46.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 160446080
Conc: 47.68 ng/ml



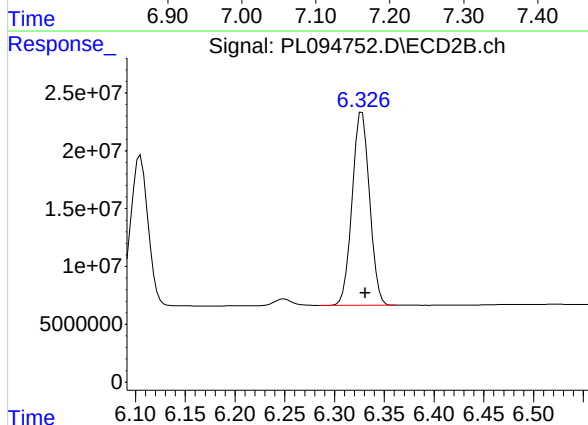
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 117391608
Conc: 48.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

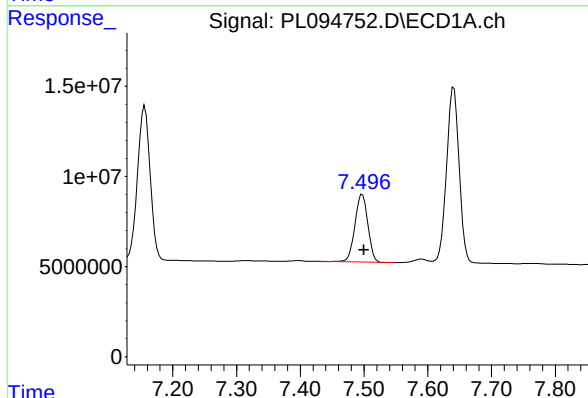
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



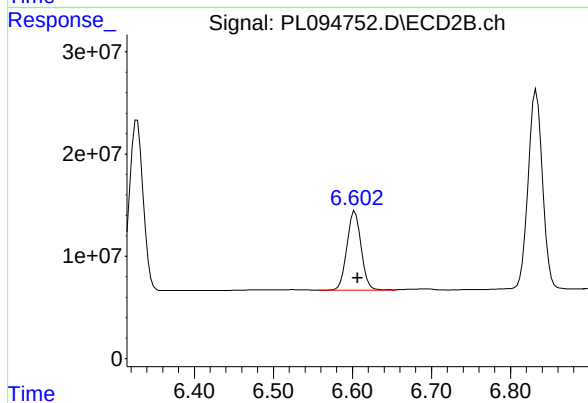
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 203893614
Conc: 50.05 ng/ml



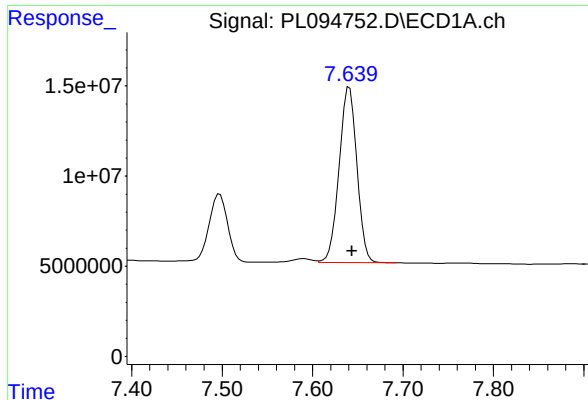
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 52774611
Conc: 44.09 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 96324887
Conc: 45.41 ng/ml



#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 133264476
Conc: 50.42 ng/ml

Instrument :

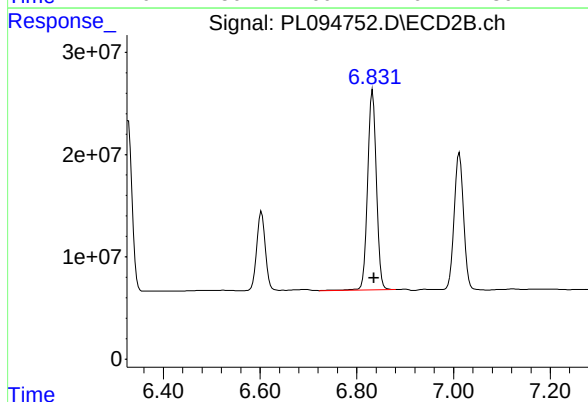
ECD_L

ClientSampleId :

PSTDCCC050

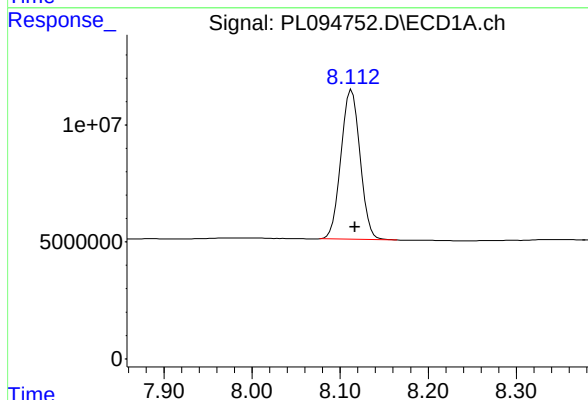
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



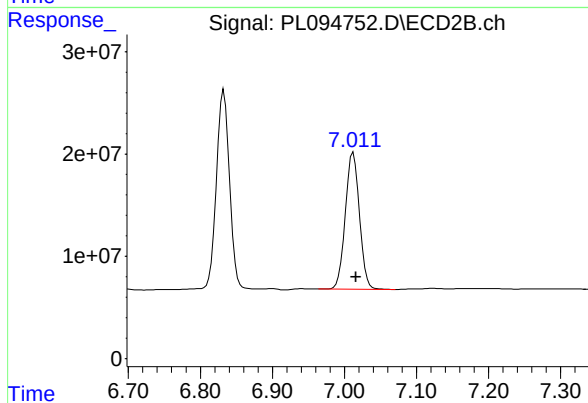
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 247793470
Conc: 51.92 ng/ml



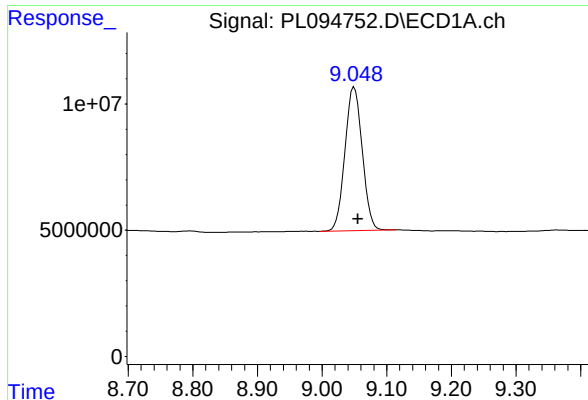
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 96494843
Conc: 46.70 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 182170292
Conc: 48.00 ng/ml



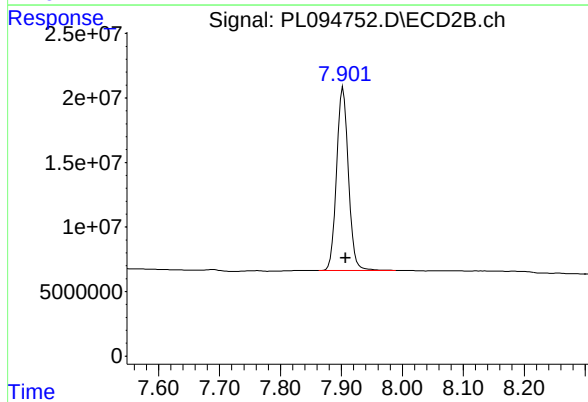
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 105746652
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 191324304
Conc: 47.37 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **WEST04**

Lab Code: **CHEM** Case No.: **Q1569** SAS No.: **Q1569** SDG NO.: **Q1569**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.052	8.950	9.150	20.540	20.000	2.7
Tetrachloro-m-xylene	3.536	3.490	3.590	19.600	20.000	-2.0
alpha-BHC	3.992	3.940	4.040	10.230	10.000	2.3
beta-BHC	4.524	4.470	4.570	10.180	10.000	1.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.310	10.000	3.1
Endrin	6.572	6.500	6.640	43.430	50.000	-13.1
4,4'-DDT	7.021	6.950	7.090	87.030	100.000	-13.0
Methoxychlor	7.498	7.430	7.570	214.630	250.000	-14.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094567.D** Date Analyzed: **03/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:08**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.905	7.800	8.010	19.590	20.000	-2.1
Tetrachloro-m-xylene	2.771	2.720	2.820	19.320	20.000	-3.4
alpha-BHC	3.273	3.220	3.320	9.150	10.000	-8.5
beta-BHC	3.903	3.850	3.950	10.130	10.000	1.3
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	44.410	50.000	-11.2
4,4'-DDT	6.030	5.960	6.100	97.400	100.000	-2.6
Methoxychlor	6.605	6.530	6.680	224.380	250.000	-10.2

Data File: PEM
 PL094567.D **Date Acquired** 3/11/2025 10:08
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	120398593.5	128928778	8530184.47	Down 6.62
Endrin aldehyde	6.92	2907361.253			
Endrin ketone	7.64	5622823.215			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	193799545.9	209359013.2	15559467.3	7.43
Endrin aldehyde #2	6.11	6474395.287			
Endrin ketone #2	6.83	9085072.003			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	207005383.7	208269384.3	1264000.53	0.61
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1264000.531			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	392738009.3	396959833.5	4221824.19	1.06
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	4221824.188			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 03/12/2025
 Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:34:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.771	55468340	68955312	19.595	19.319
2) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
16) A 4,4'-DDD	6.709	5.779	1264001	4221824	0.584m	1.174m#
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	6.919	6.106	2907361	6474395	1.377m	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.639	6.832	5622823	9085072	2.127m	1.904m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

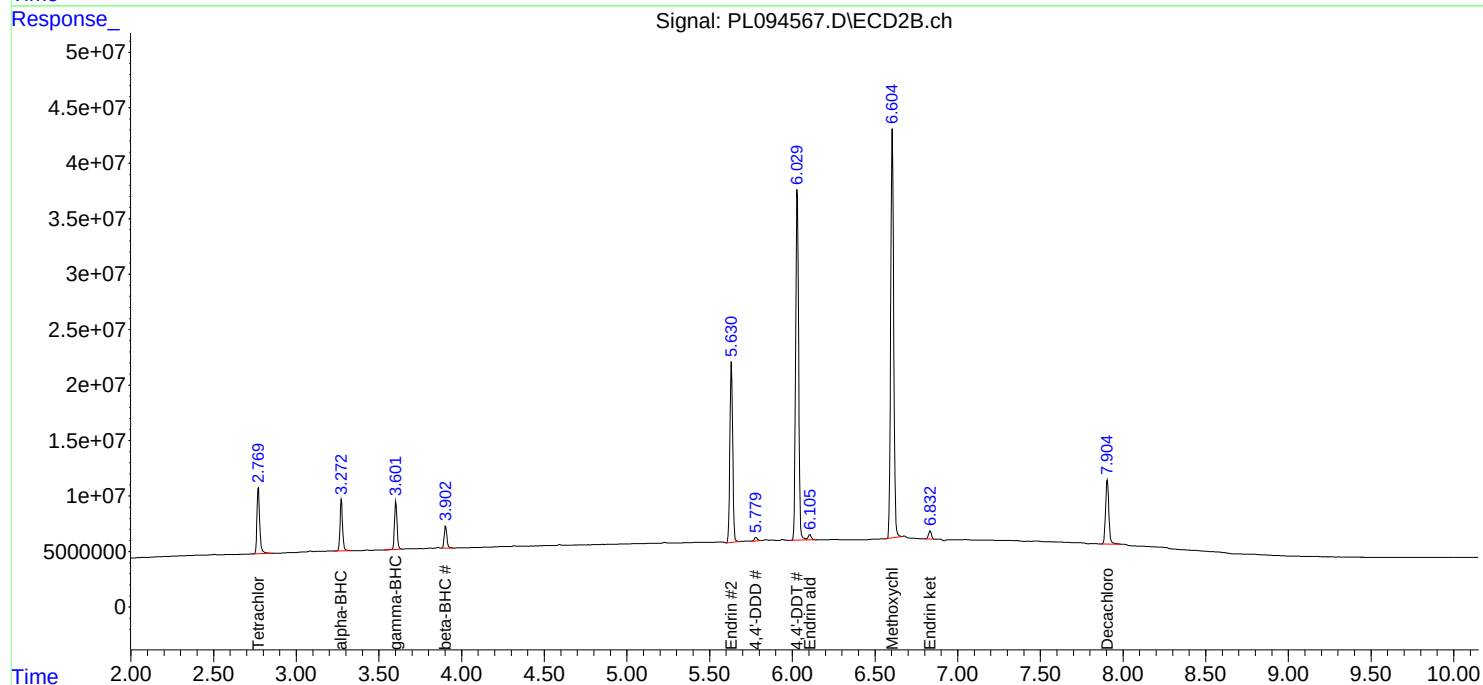
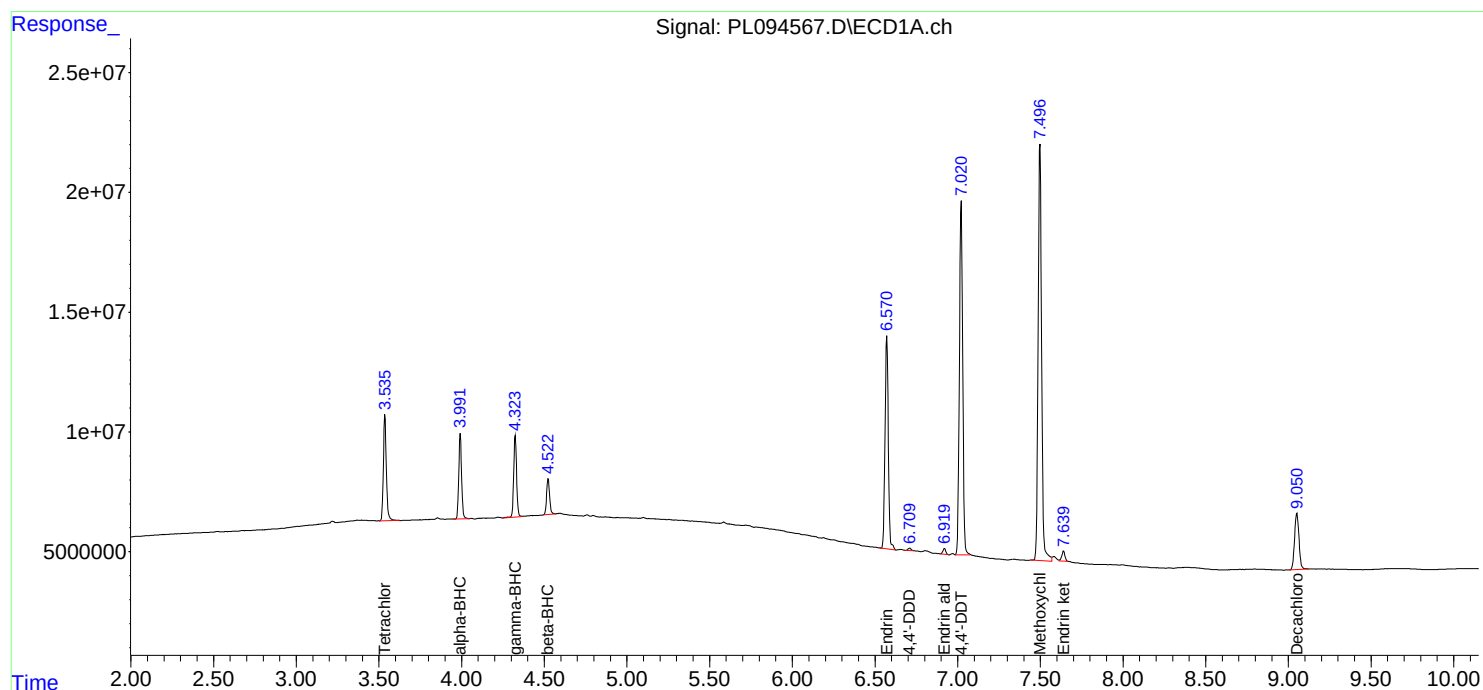
Instrument :
ECD_L
ClientSampleId :
PEM

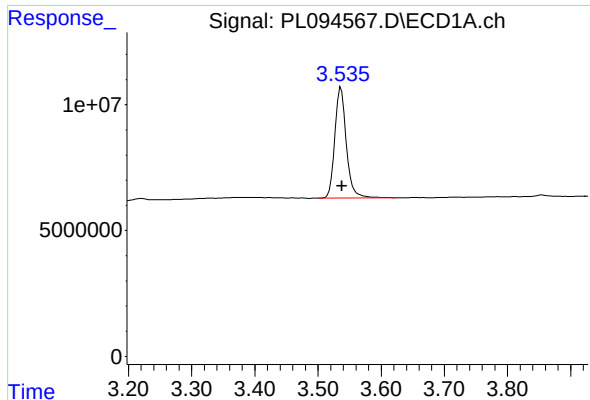
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/12/2025
Supervised By : Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:34:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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





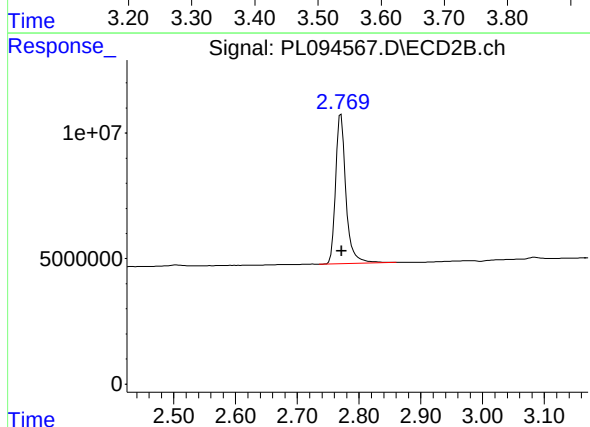
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

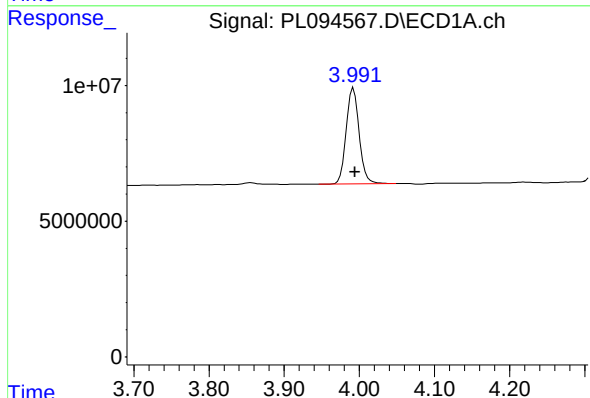
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



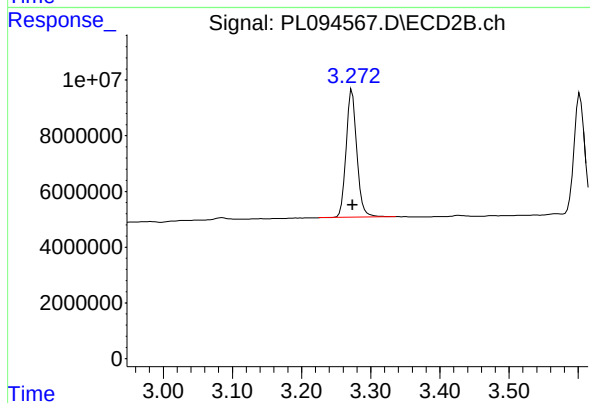
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 68955312
Conc: 19.32 ng/ml



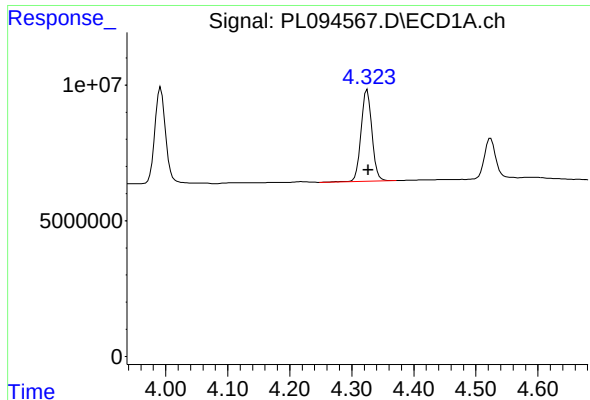
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 42494047
Conc: 10.23 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 49328954
Conc: 9.15 ng/ml



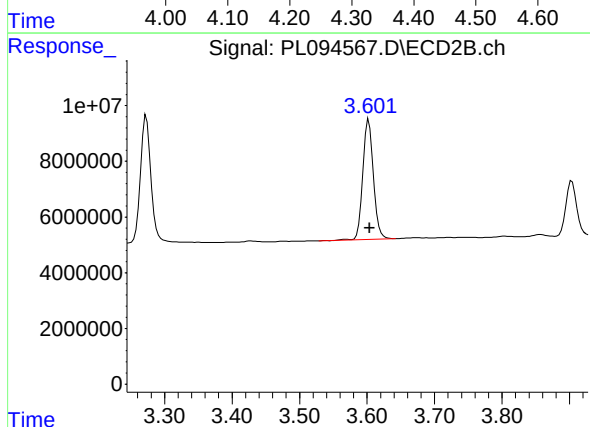
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

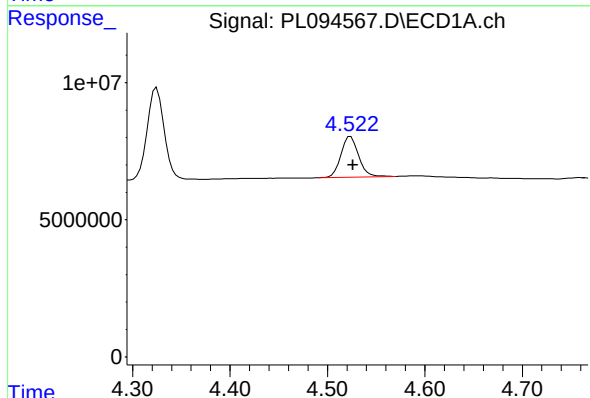
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



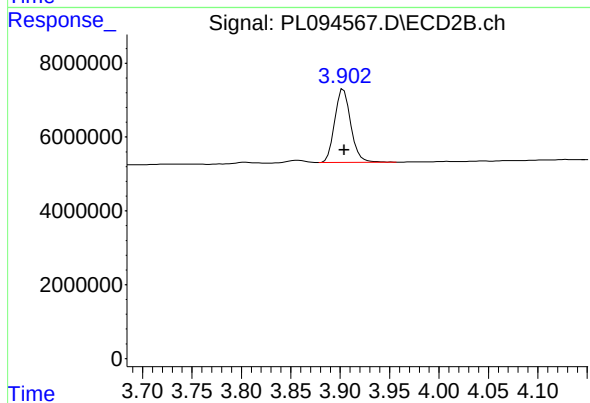
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 47101013
Conc: 9.16 ng/ml



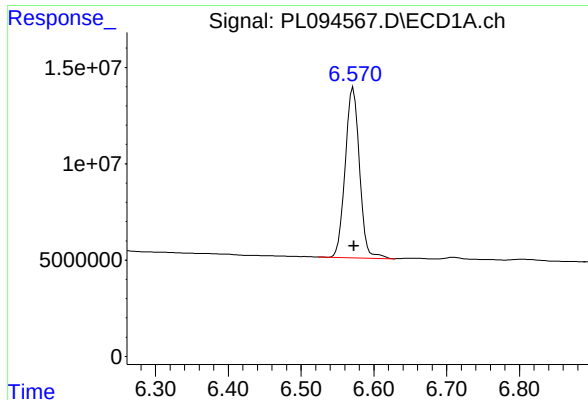
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 18789587
Conc: 10.18 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 22504052
Conc: 10.13 ng/ml



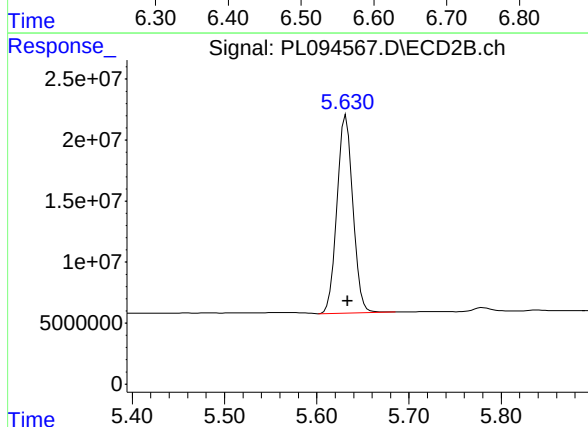
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

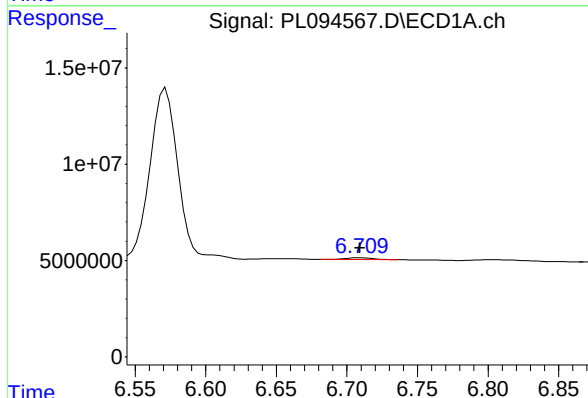
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



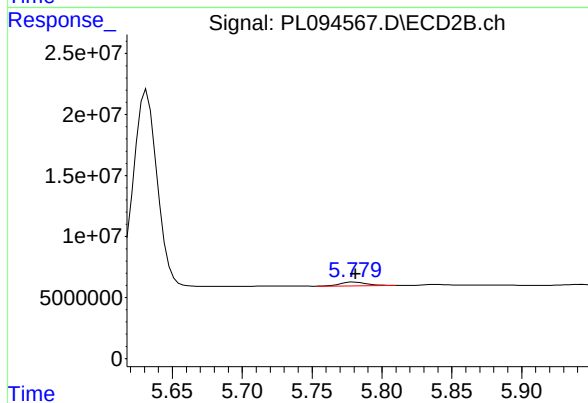
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 193799546
Conc: 44.41 ng/ml



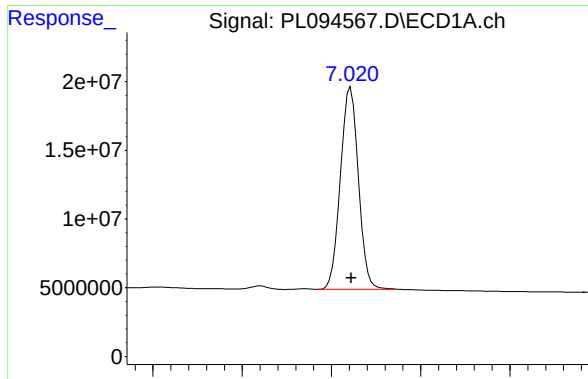
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 1264001
Conc: 0.58 ng/ml m



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 4221824
Conc: 1.17 ng/ml m



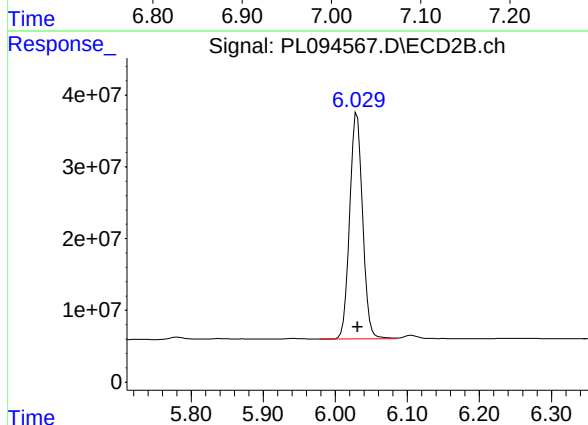
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 207005384
Conc: 87.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

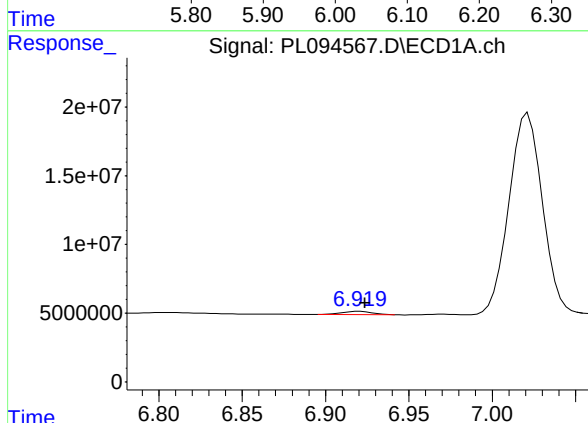
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



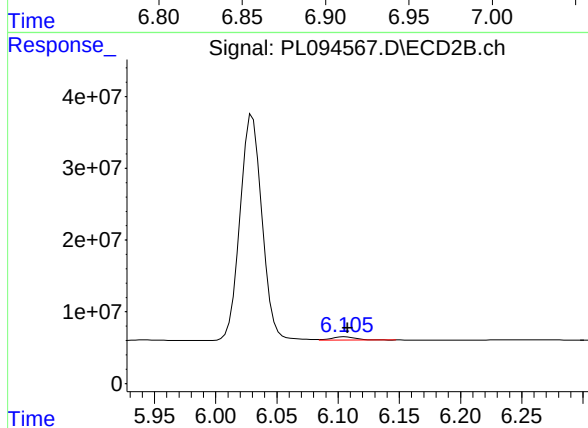
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



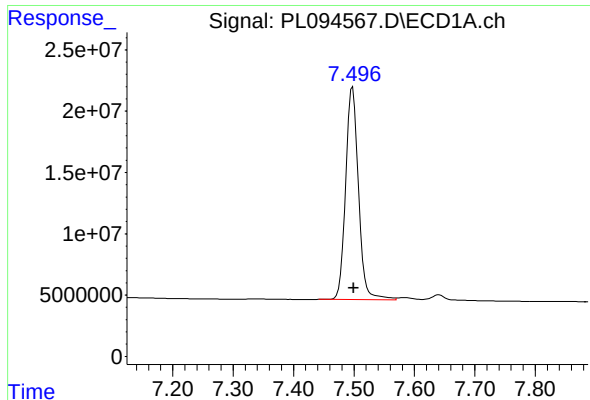
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.005 min
Response: 2907361
Conc: 1.38 ng/ml m



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 6474395
Conc: 1.92 ng/ml



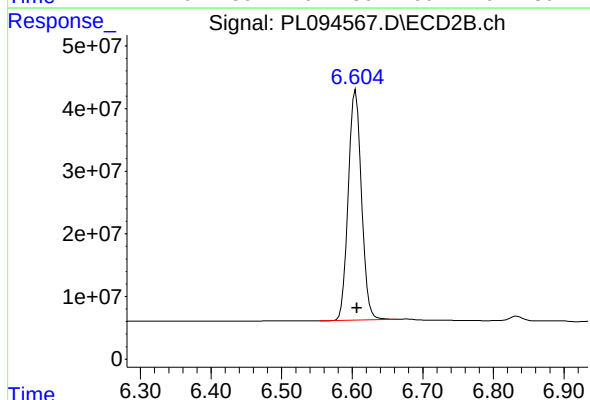
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 256926285
Conc: 214.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

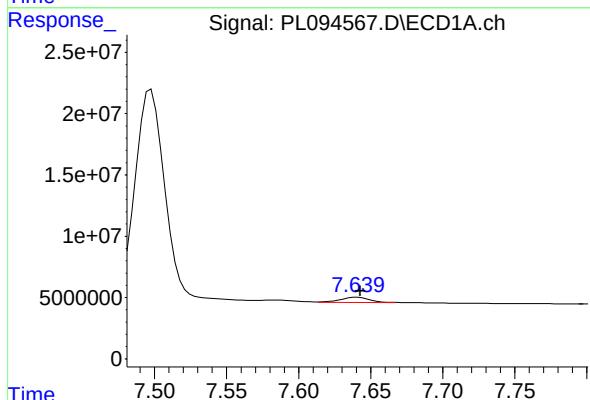
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



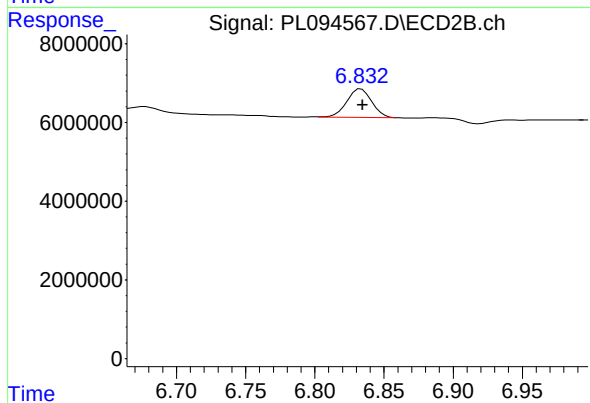
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



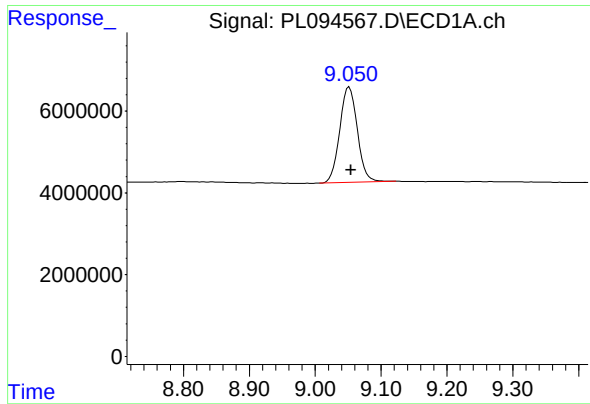
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 5622823
Conc: 2.13 ng/ml m



#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 9085072
Conc: 1.90 ng/ml m



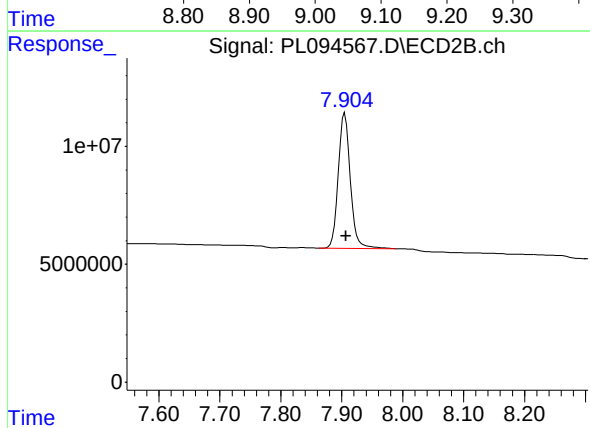
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 43281377
Conc: 20.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 79131399
Conc: 19.59 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **WEST04**

Lab Code: **CHEM** Case No.: **Q1569** SAS No.: **Q1569** SDG NO.: **Q1569**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094732.D** Date Analyzed: **03/19/2025**

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.051	8.950	9.150	21.500	20.000	7.5
Tetrachloro-m-xylene	3.537	3.490	3.590	20.310	20.000	1.6
alpha-BHC	3.993	3.940	4.040	10.360	10.000	3.6
beta-BHC	4.524	4.470	4.570	10.590	10.000	5.9
gamma-BHC (Lindane)	4.325	4.270	4.380	10.430	10.000	4.3
Endrin	6.571	6.500	6.640	40.970	50.000	-18.1
4,4'-DDT	7.022	6.950	7.090	86.800	100.000	-13.2
Methoxychlor	7.499	7.430	7.570	213.450	250.000	-14.6

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **03/11/2025** **03/11/2025**

Client Sample No. (PEM): **PEM - PL094732.D** Date Analyzed: **03/19/2025**

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.902	7.800	8.000	18.140	20.000	-9.3
Tetrachloro-m-xylene	2.771	2.720	2.820	20.310	20.000	1.6
alpha-BHC	3.273	3.220	3.320	9.630	10.000	-3.7
beta-BHC	3.903	3.850	3.950	11.190	10.000	11.9
gamma-BHC (Lindane)	3.603	3.550	3.650	9.730	10.000	-2.7
Endrin	5.631	5.560	5.700	45.250	50.000	-9.5
4,4'-DDT	6.029	5.960	6.100	96.580	100.000	-3.4
Methoxychlor	6.604	6.530	6.670	223.460	250.000	-10.6

Data File: PEM
 PL094732.D Date Acquired 3/19/2025 9:09
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	113567450.1	127470069.6	13902619.5	Down 10.91
Endrin aldehyde	6.92	4131907.959			
Endrin ketone	7.64	9770711.531			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	197463386.5	220709839	23246452.6	10.53
Endrin aldehyde #2	6.10	7134753.028			
Endrin ketone #2	6.83	16111699.55			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	206458786	216469252.5	10010466.5	4.62
4,4'-DDE	6.19	445310.253			
4,4'-DDD	6.71	9565156.295			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	389403030.8	403745173	14342142.2	3.55
4,4'-DDE #2	5.22	835982.512			
4,4'-DDD #2	5.78	13506159.7			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094732.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 09:09
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 03/20/2025
 Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:01:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.771	57500250	72475381	20.313	20.305
28) SA Decachlor...	9.051	7.902	45319448	73259177	21.504	18.136m
Target Compounds						
2) A alpha-BHC	3.993	3.273	43028992	51892743	10.363	9.625
3) MA gamma-BHC...	4.325	3.603	41625483	50014476	10.432	9.731
6) B beta-BHC	4.524	3.903	19544724	24858635	10.592	11.191
12) B 4,4'-DDE	6.190	5.224	445310	835983	0.151m	0.180m
14) MA Endrin	6.571	5.631	113.6E6	197.5E6	40.968m	45.252
16) A 4,4'-DDD	6.708	5.779	9565156	13506160	4.416	3.756
17) MA 4,4'-DDT	7.022	6.029	206.5E6	389.4E6	86.801	96.576
18) B Endrin al...	6.920	6.105	4131908	7134753	1.957m	2.120
20) A Methoxychlor	7.499	6.604	255.5E6	474.0E6	213.447	223.460
21) B Endrin ke...	7.641	6.833	9770712	16111700	3.696	3.376

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 09:09
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

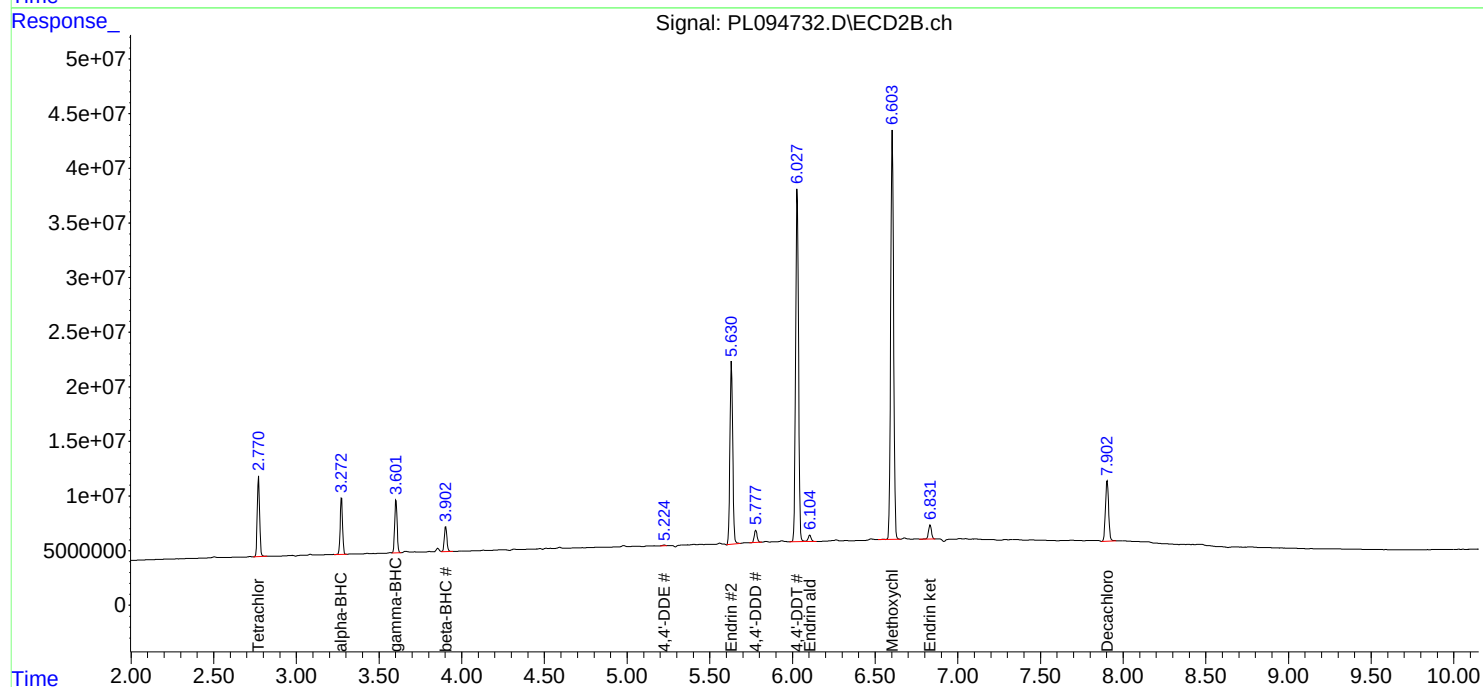
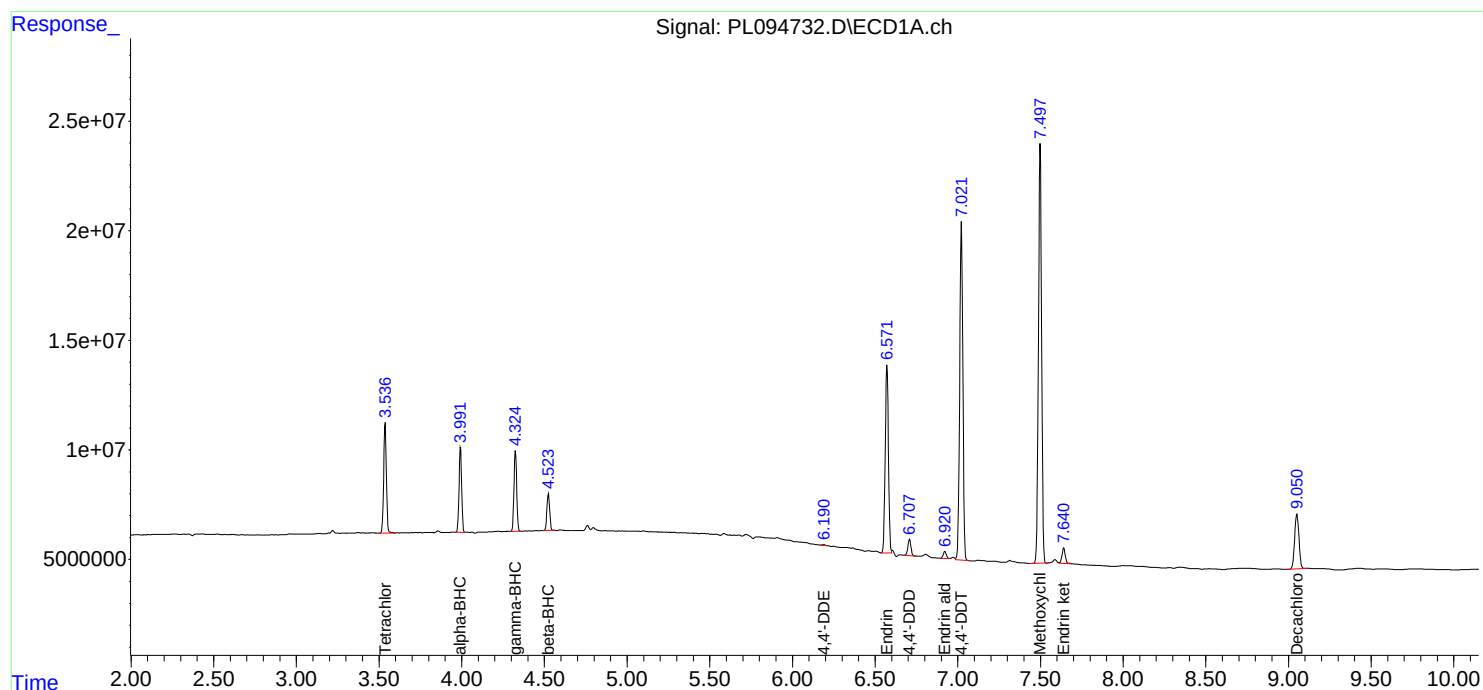
Instrument :
ECD_L
ClientSampleId :
PEM

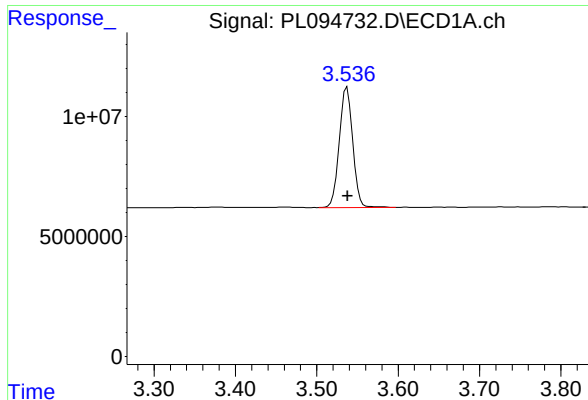
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/20/2025
Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:01:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





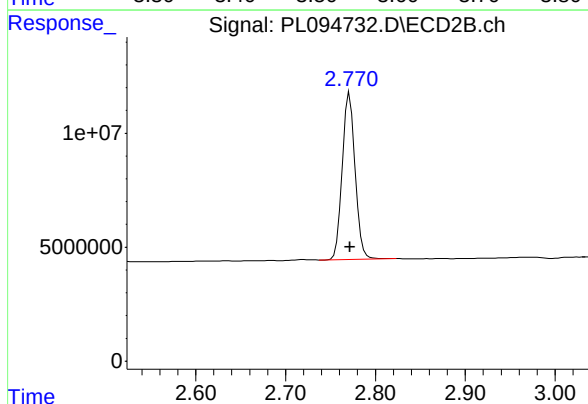
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 57500250
Conc: 20.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

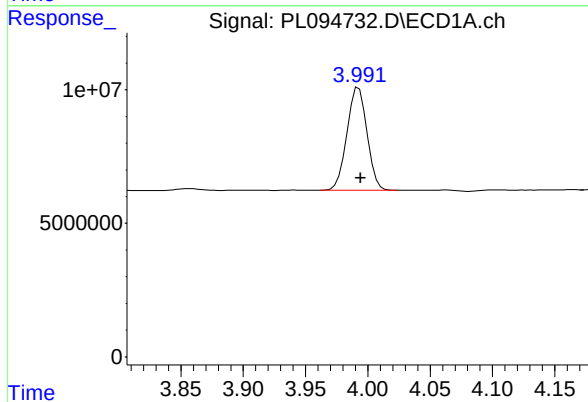
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



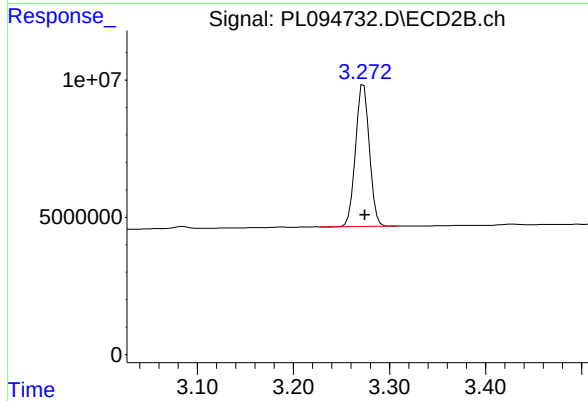
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72475381
Conc: 20.31 ng/ml



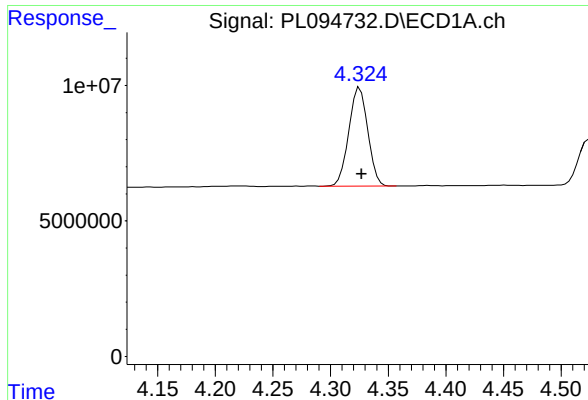
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 43028992
Conc: 10.36 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.001 min
Response: 51892743
Conc: 9.63 ng/ml



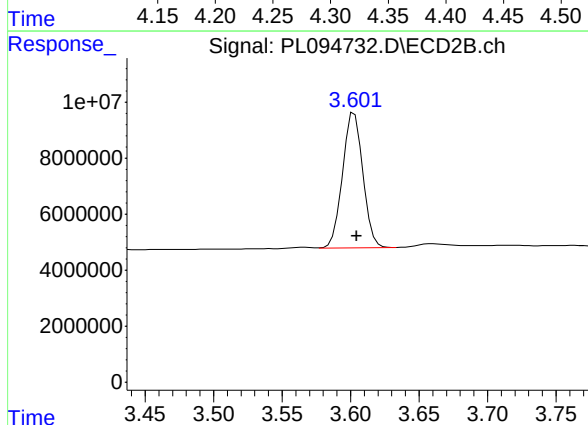
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41625483
Conc: 10.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

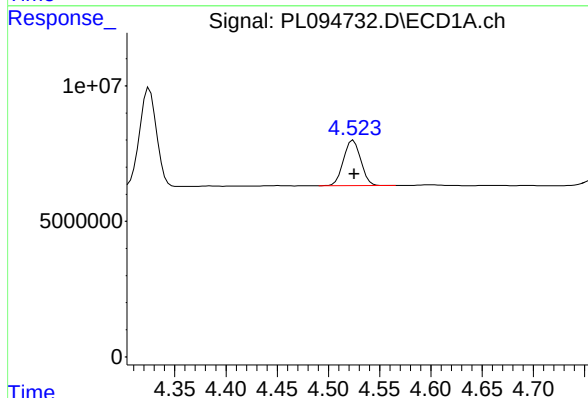
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



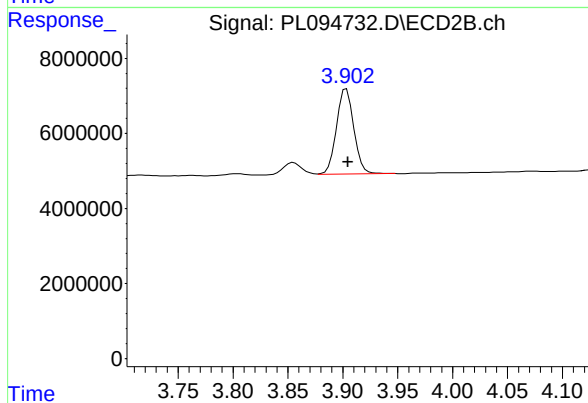
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 50014476
Conc: 9.73 ng/ml



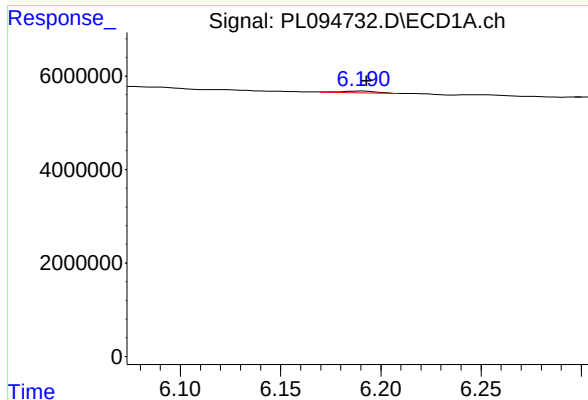
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 19544724
Conc: 10.59 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.001 min
Response: 24858635
Conc: 11.19 ng/ml



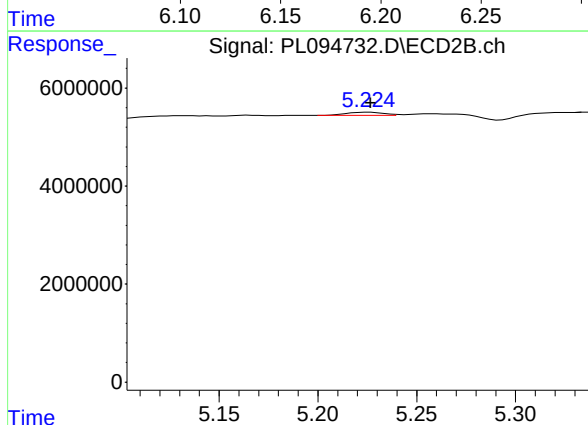
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 445310
Conc: 0.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

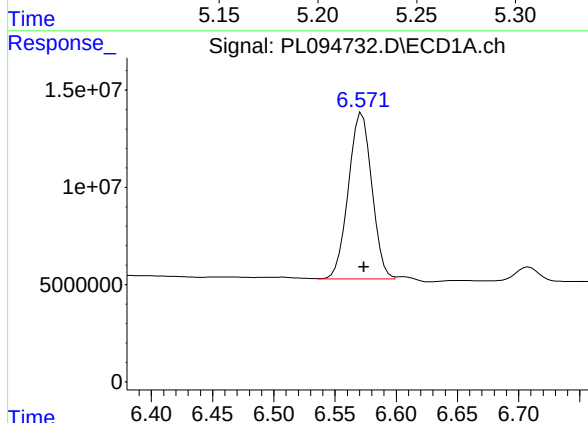
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



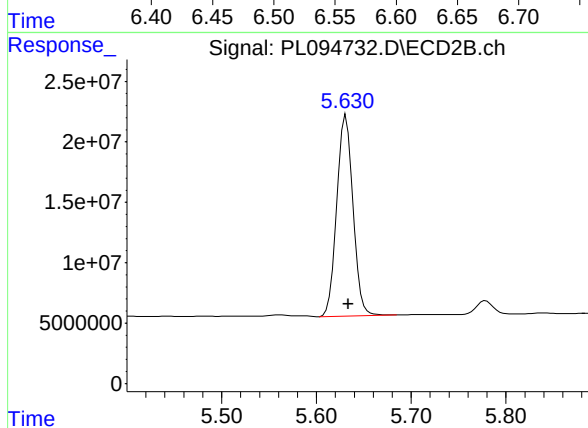
#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.002 min
Response: 835983
Conc: 0.18 ng/ml



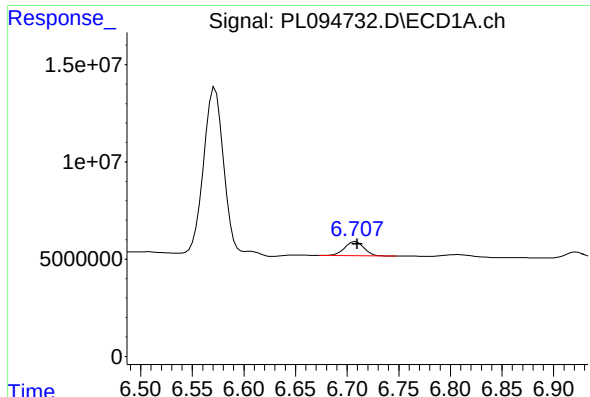
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 113567450
Conc: 40.97 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 197463386
Conc: 45.25 ng/ml



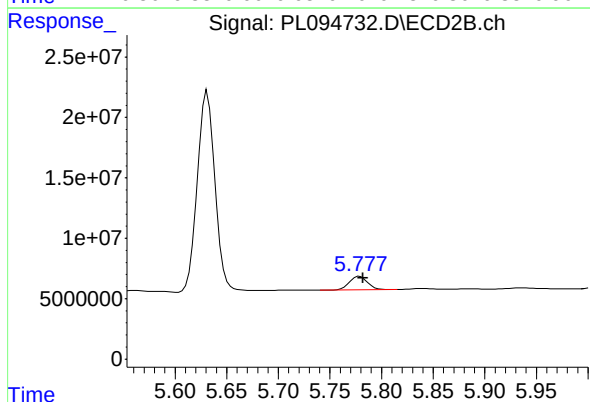
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 9565156
Conc: 4.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

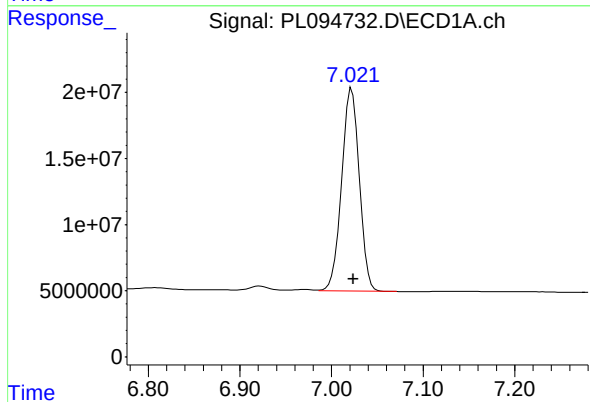
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



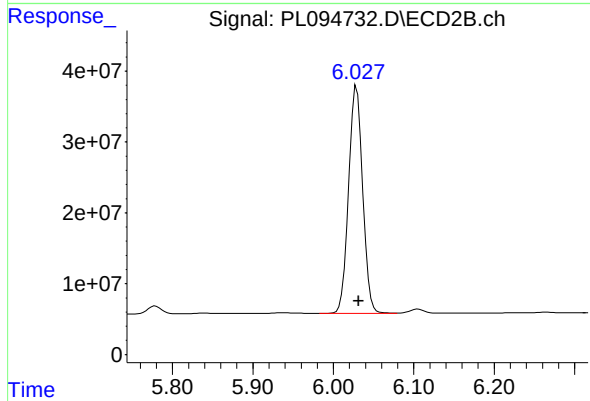
#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 13506160
Conc: 3.76 ng/ml



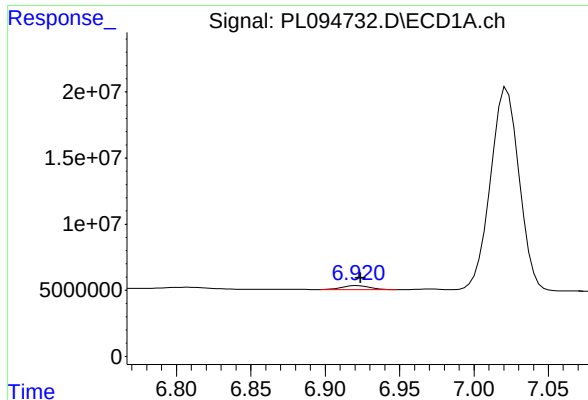
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 206458786
Conc: 86.80 ng/ml



#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 389403031
Conc: 96.58 ng/ml



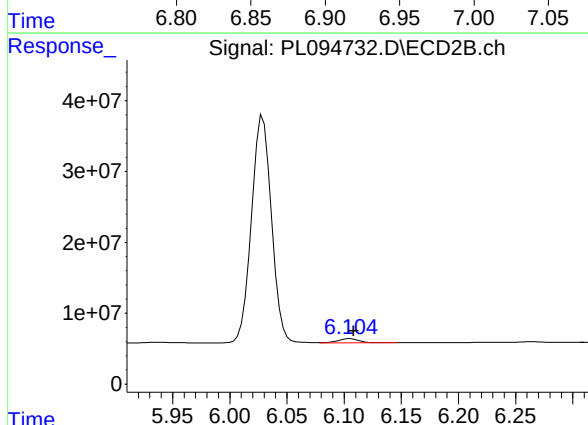
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 4131908
Conc: 1.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

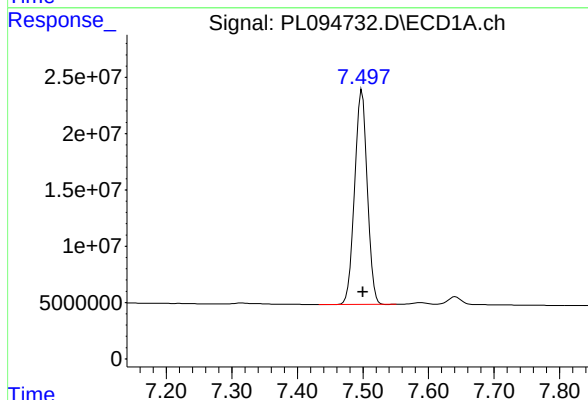
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



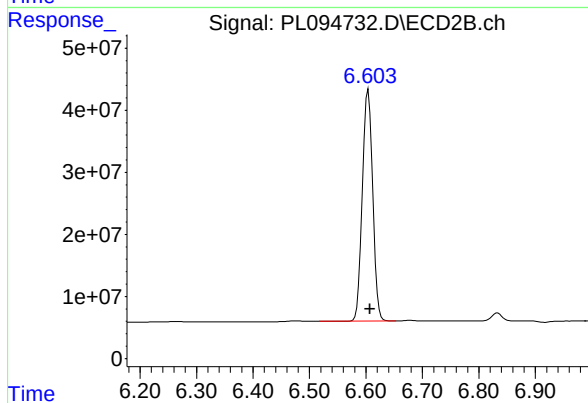
#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 7134753
Conc: 2.12 ng/ml



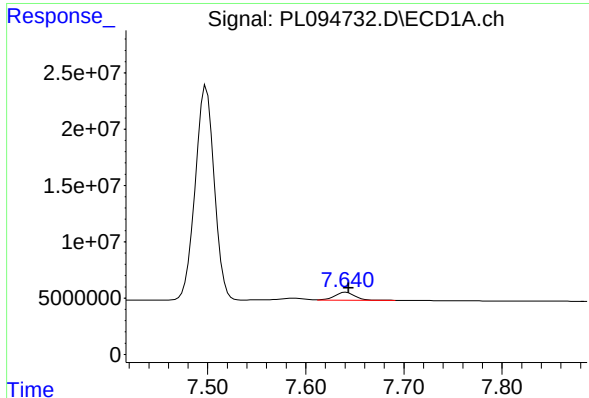
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 255511780
Conc: 213.45 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 473974824
Conc: 223.46 ng/ml



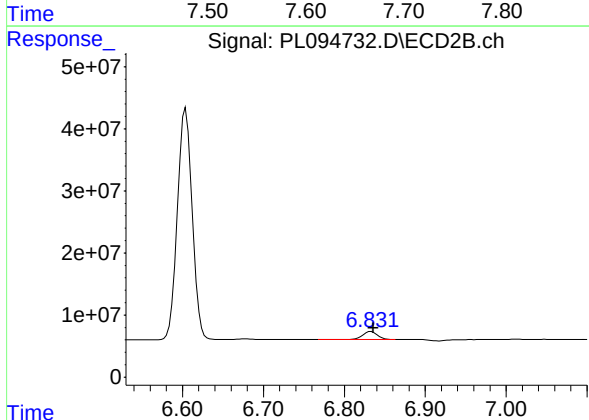
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 9770712
Conc: 3.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

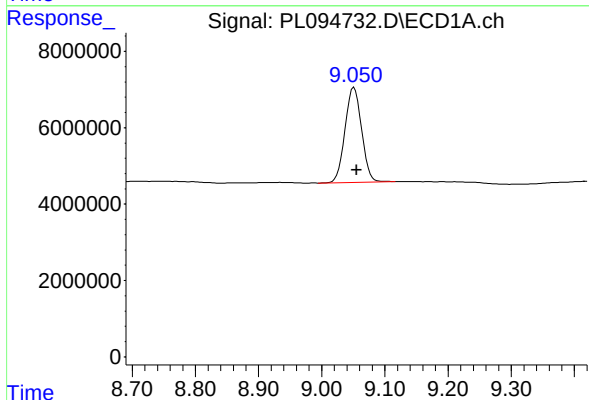
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



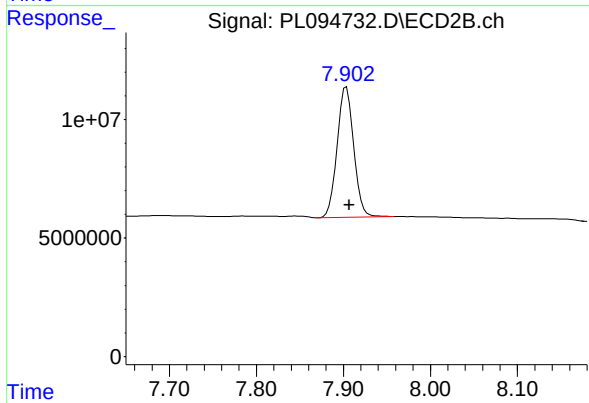
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 16111700
Conc: 3.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 45319448
Conc: 21.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 73259177
Conc: 18.14 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Acq On : 11 Mar 2025 10:22
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\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.937	100.00%
5.937	6.067	100.00%
6.067	6.191	100.00%
6.191	6.343	100.00%
6.343	7.158	100.00%
7.158	7.500	100.00%
7.500	7.643	100.00%
7.643	9.053	100.00%

Signal #2

2.771	4.972	100.00%
4.972	5.092	100.00%
5.092	5.225	100.00%
5.225	5.356	100.00%
5.356	6.330	100.00%
6.330	6.606	100.00%
6.606	6.835	100.00%
6.835	7.905	100.00%

PL031125.M Mon Mar 17 09:39:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:22
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/12/2025
 Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:37:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.771	53468086	65423025	18.889	18.330
28) SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds						
9) A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10) B gamma-Chl...	5.937	4.971	33232558	42863759	9.863	8.877m
12) B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13) MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19) B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20) A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21) B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

RESCHK

Manual Integrations

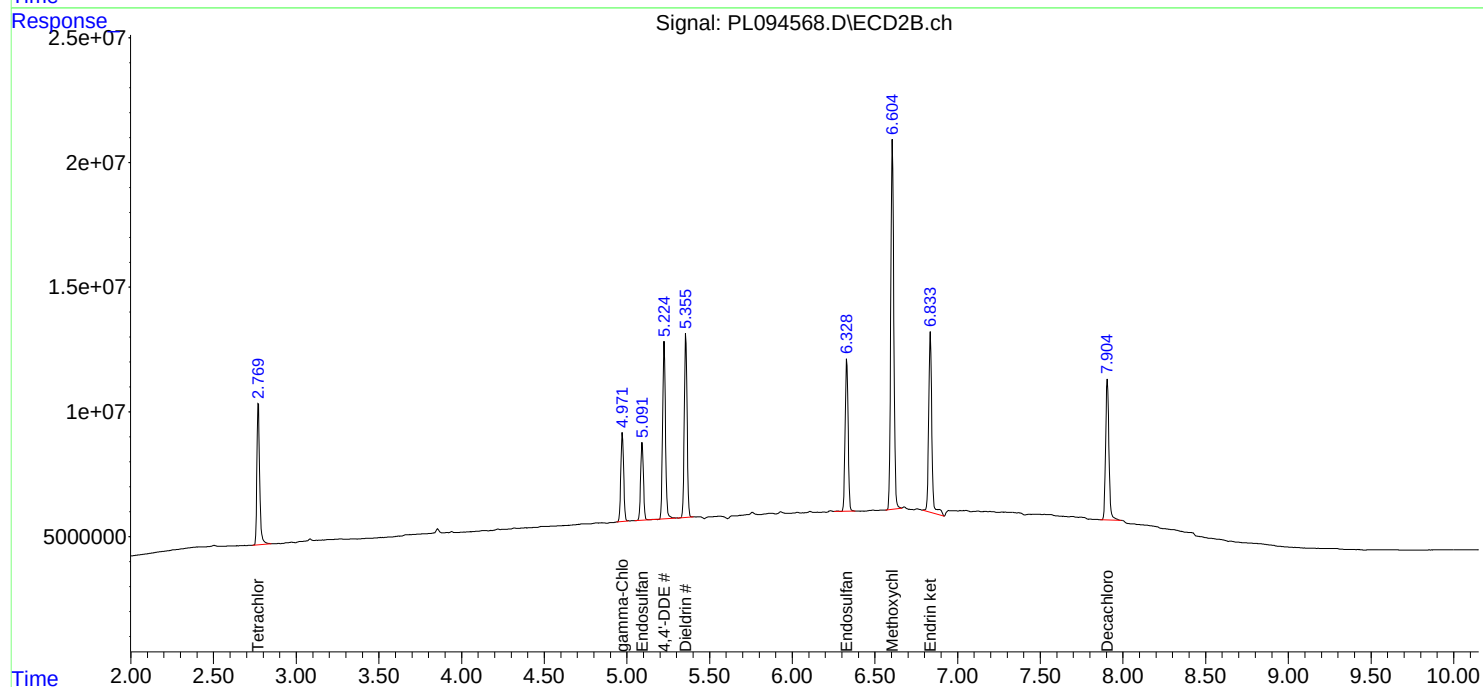
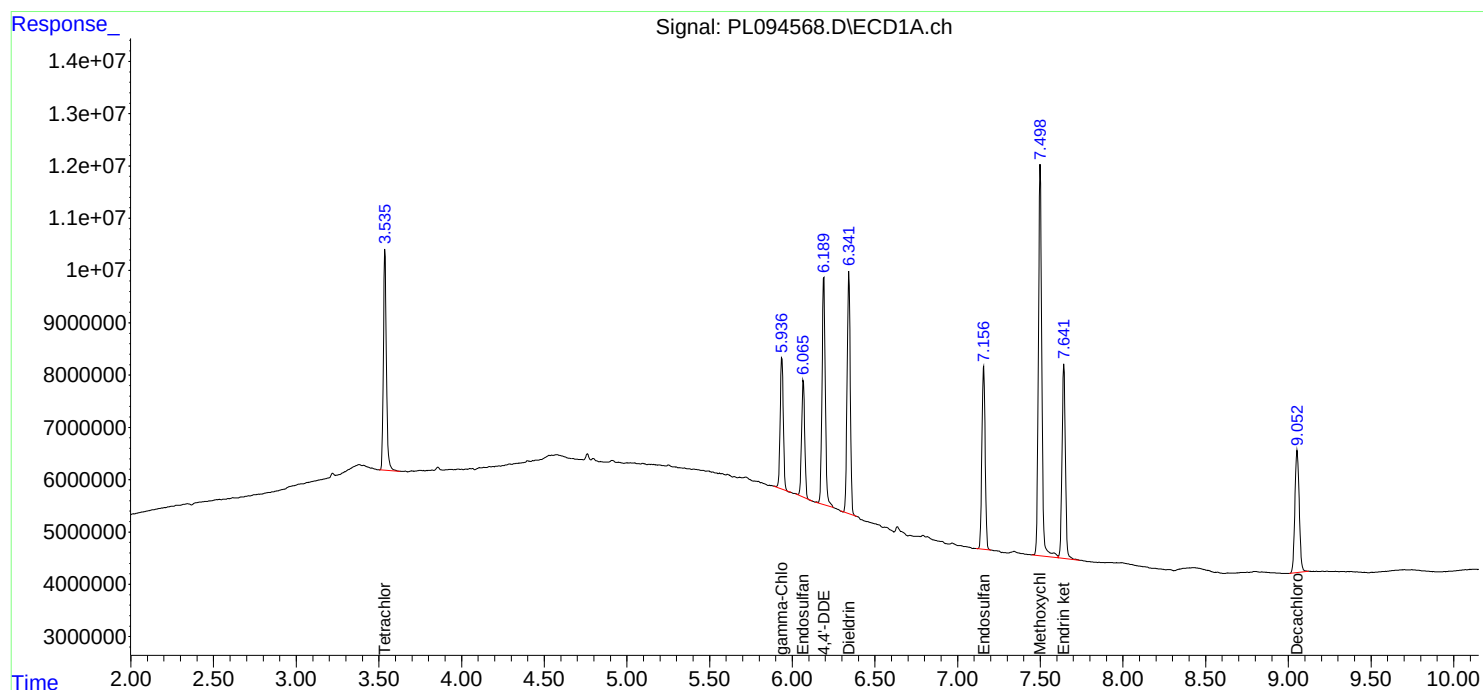
APPROVED

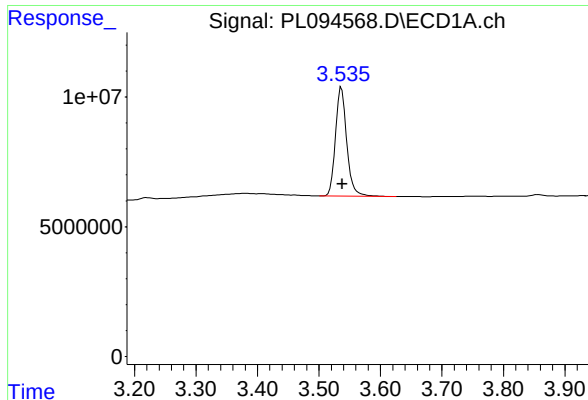
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:37:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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





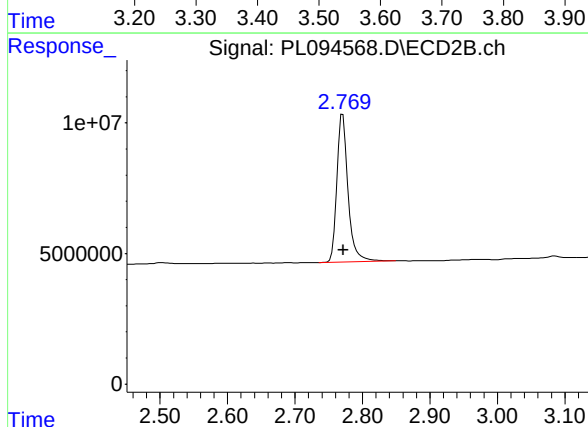
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

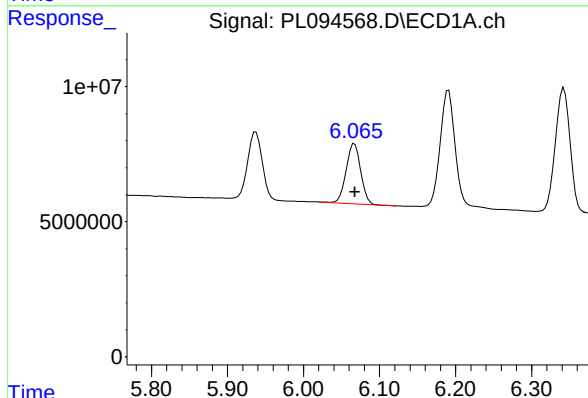
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



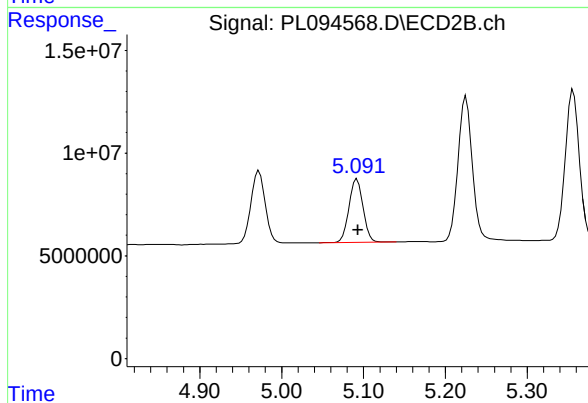
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 65423025
Conc: 18.33 ng/ml



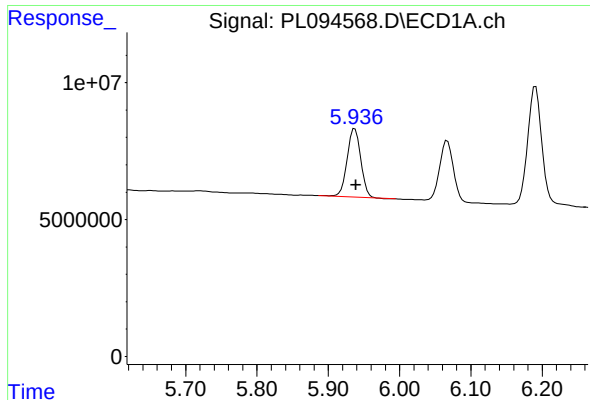
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 29402034
Conc: 9.58 ng/ml



#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 37055598
Conc: 8.44 ng/ml



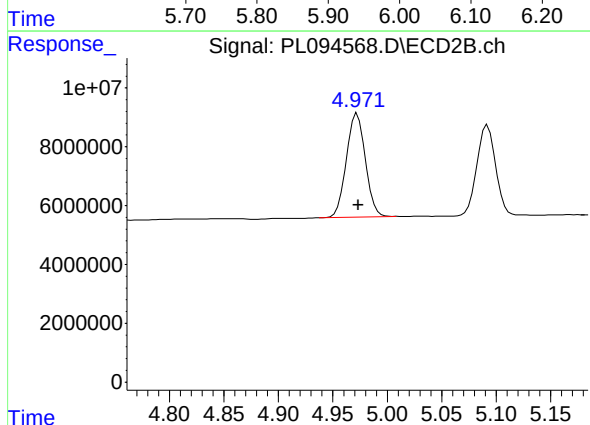
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

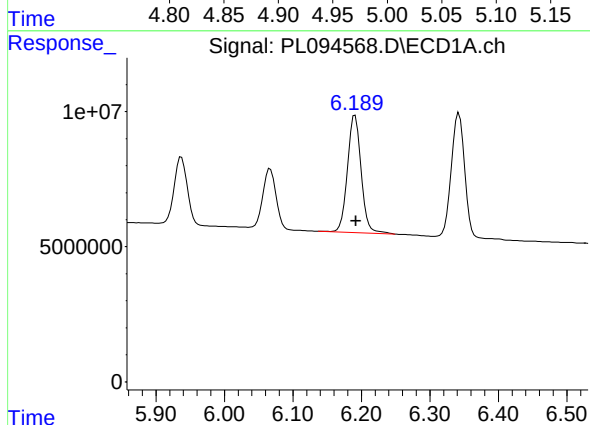
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



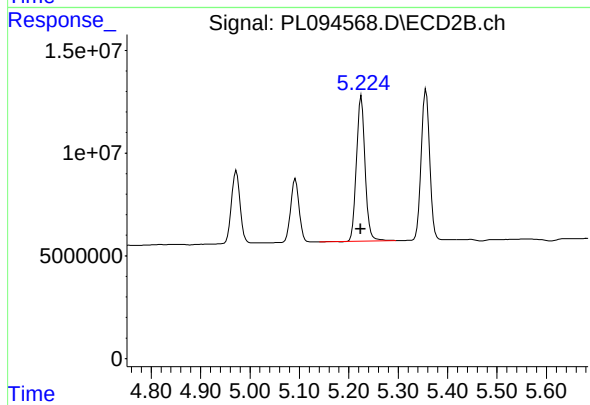
#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 42863759
Conc: 8.88 ng/ml



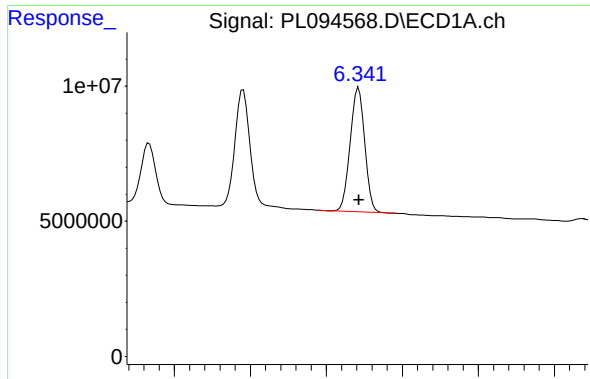
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 60170599
Conc: 20.45 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86039267
Conc: 18.51 ng/ml



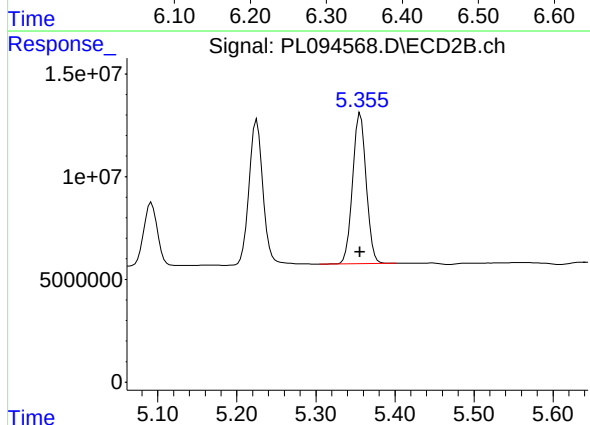
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

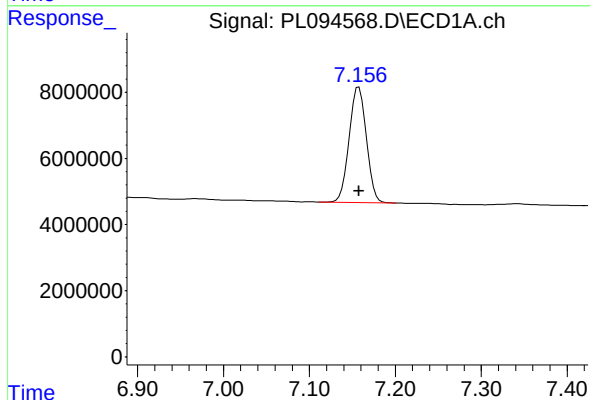
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



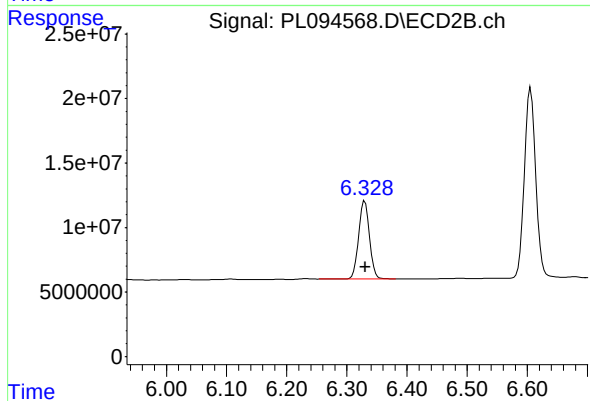
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 87035875
Conc: 17.94 ng/ml



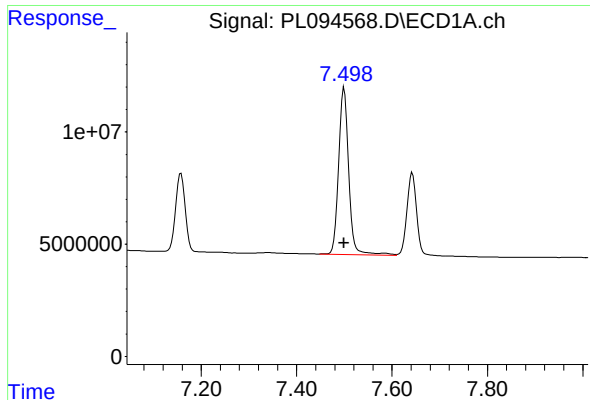
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 48427242
Conc: 19.91 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 76018164
Conc: 18.66 ng/ml



#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 108457351
Conc: 90.60 ng/ml

Instrument :

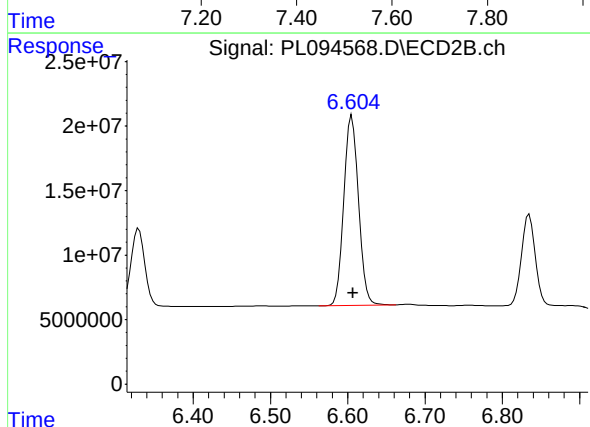
ECD_L

ClientSampleId :

RESCHK

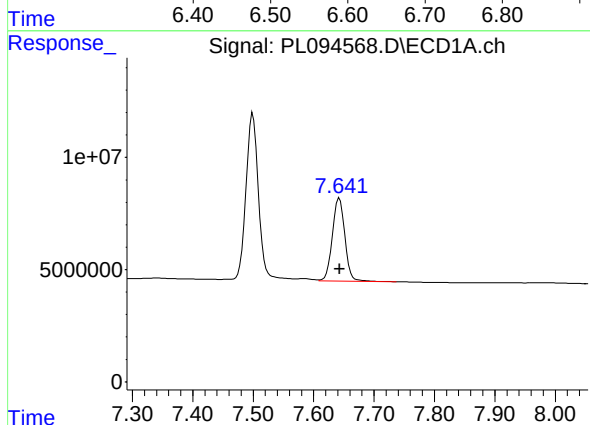
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



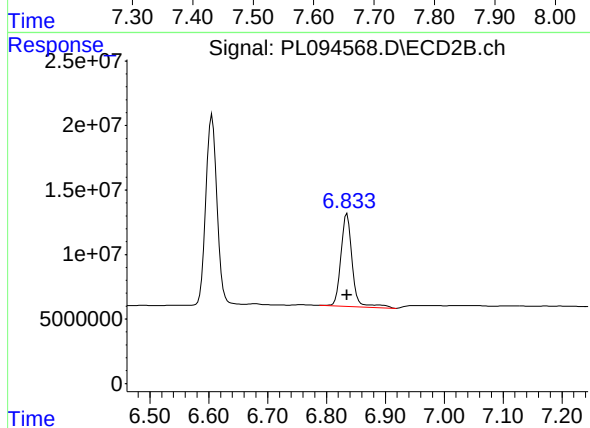
#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 193354717
Conc: 91.16 ng/ml



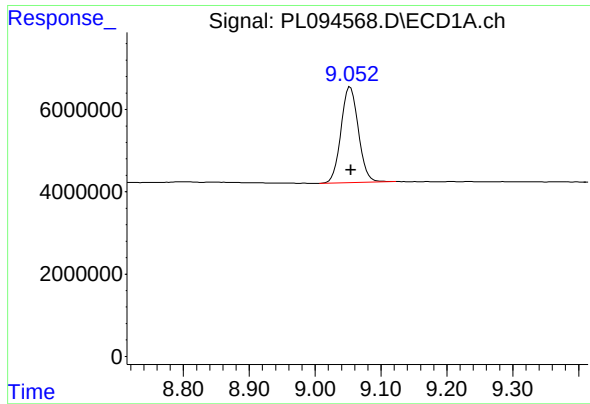
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 53103007
Conc: 20.09 ng/ml



#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 96817803
Conc: 20.29 ng/ml



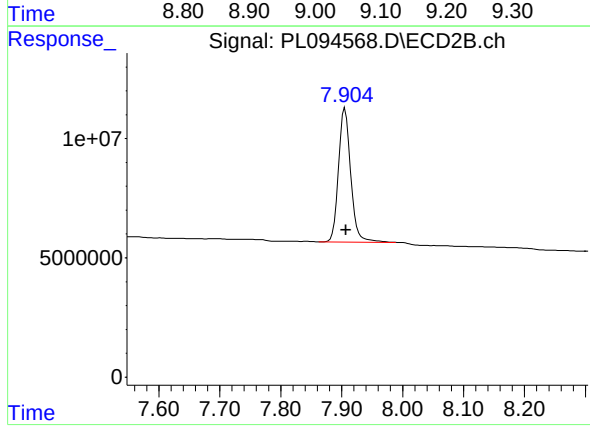
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 42521417
Conc: 20.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 78359154
Conc: 19.40 ng/ml

Analytical Sequence

Client: Weston Solutions	SDG No.: Q1569
Project: Fort Meade MD Tipton Airfield Parcel RI - 0	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
PEM	PEM	03/19/2025	09:09	PL094732.D	9.05	3.54
IBLK	IBLK	03/19/2025	14:48	PL094737.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/19/2025	15:02	PL094738.D	9.05	3.54
PB167215BL	PB167215BL	03/19/2025	16:27	PL094739.D	9.06	3.54
PB167215BS	PB167215BS	03/19/2025	16:40	PL094740.D	9.05	3.54
PB167133TB	PB167133TB	03/19/2025	16:54	PL094741.D	9.05	3.54
TAP-IDW-SOIL-031325-01	Q1569-02	03/19/2025	17:22	PL094743.D	9.05	3.54
TAP-IDW-SOIL-031325-01MS	Q1569-02MS	03/19/2025	17:36	PL094744.D	9.05	3.54
TAP-IDW-SOIL-031325-01MSD	Q1569-02MSD	03/19/2025	17:55	PL094745.D	9.06	3.54
TAP-IDW-SOIL-031325-02	Q1569-05	03/19/2025	18:08	PL094746.D	9.05	3.54
IBLK	IBLK	03/19/2025	19:03	PL094750.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/19/2025	19:31	PL094752.D	9.05	3.54

Analytical Sequence

Client: Weston Solutions	SDG No.: Q1569
Project: Fort Meade MD Tipton Airfield Parcel RI - 0	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICCC100	PSTDICCC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICCC075	PSTDICCC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICCC050	PSTDICCC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICCC025	PSTDICCC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICCC005	PSTDICCC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
PEM	PEM	03/19/2025	09:09	PL094732.D	7.90	2.77
IBLK	IBLK	03/19/2025	14:48	PL094737.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/19/2025	15:02	PL094738.D	7.90	2.77
PB167215BL	PB167215BL	03/19/2025	16:27	PL094739.D	7.91	2.77
PB167215BS	PB167215BS	03/19/2025	16:40	PL094740.D	7.90	2.77
PB167133TB	PB167133TB	03/19/2025	16:54	PL094741.D	7.90	2.77
TAP-IDW-SOIL-031325-01	Q1569-02	03/19/2025	17:22	PL094743.D	7.90	2.77
TAP-IDW-SOIL-031325-01MS	Q1569-02MS	03/19/2025	17:36	PL094744.D	7.90	2.77
TAP-IDW-SOIL-031325-01MSD	Q1569-02MSD	03/19/2025	17:55	PL094745.D	7.90	2.77
TAP-IDW-SOIL-031325-02	Q1569-05	03/19/2025	18:08	PL094746.D	7.90	2.77
IBLK	IBLK	03/19/2025	19:03	PL094750.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/19/2025	19:31	PL094752.D	7.90	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167215BS

Contract: WEST04

Lab Code: CHEM

Case No.: Q1569

SAS No.: Q1569

SDG NO.: Q1569

Lab Sample ID: PB167215BS

Date(s) Analyzed: 03/19/2025

03/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.48	0.7
	2	6.60	6.55	6.65	0.47	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	8.7
	2	3.60	3.55	3.65	0.53	
Heptachlor	1	4.91	4.86	4.96	0.45	8.1
	2	3.94	3.89	3.99	0.49	
Heptachlor epoxide	1	5.68	5.63	5.73	0.48	7.7
	2	4.72	4.67	4.77	0.52	
Endrin	1	6.57	6.52	6.62	0.45	9.4
	2	5.63	5.58	5.68	0.49	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TAP-IDW-SOIL-031325-01MS

Contract: WEST04

Lab Code: CHEM Case No.: Q1569

SAS No.: Q1569 SDG NO.: Q1569

Lab Sample ID: Q1569-02MS

Date(s) Analyzed: 03/19/2025 03/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	5.30	9
	2	5.63	5.58	5.68	5.80	
Methoxychlor	1	7.50	7.45	7.55	5.40	0
	2	6.60	6.55	6.65	5.40	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	5.40	7.1
	2	3.60	3.55	3.65	5.80	
Heptachlor	1	4.91	4.86	4.96	4.90	5.9
	2	3.94	3.89	3.99	5.20	
Heptachlor epoxide	1	5.68	5.63	5.73	5.30	9
	2	4.72	4.67	4.77	5.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TAP-IDW-SOIL-031325-01MSD

Contract: WEST04

Lab Code: CHEM Case No.: Q1569

SAS No.: Q1569 SDG NO.: Q1569

Lab Sample ID: Q1569-02MSD

Date(s) Analyzed: 03/19/2025 03/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	4.70	10.1
	2	5.63	5.58	5.68	5.20	
Methoxychlor	1	7.50	7.45	7.55	5.00	0
	2	6.60	6.55	6.65	5.00	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.90	7.8
	2	3.60	3.55	3.65	5.30	
Heptachlor	1	4.92	4.87	4.97	4.50	6.5
	2	3.94	3.89	3.99	4.80	
Heptachlor epoxide	1	5.68	5.63	5.73	4.80	9.9
	2	4.72	4.67	4.77	5.30	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
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- 12
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- 14
- 15
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- 17
- 18
- 19

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	
Client Sample ID:	PB167215BL	SDG No.:	Q1569
Lab Sample ID:	PB167215BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094739.D	1	03/19/25 11:40	03/19/25 16:27	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.088	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.6		30 - 135		113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		44 - 124		107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094739.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 16:27
 Operator : AR\AJ
 Sample : PB167215BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167215BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:04:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.542	2.770	54532724	76708494	19.265	21.491
28) SA Decachlor...	9.061	7.907	47580012	70074376	22.577	17.348

Target Compounds

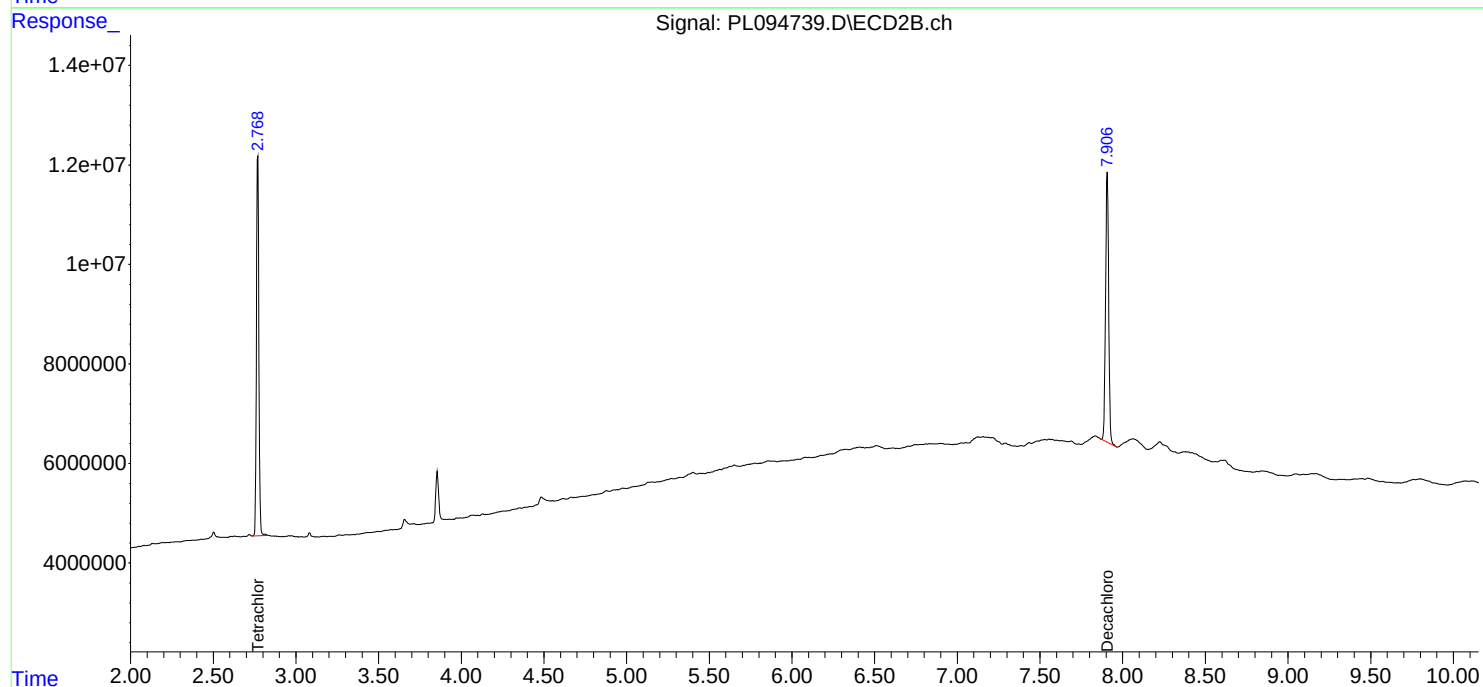
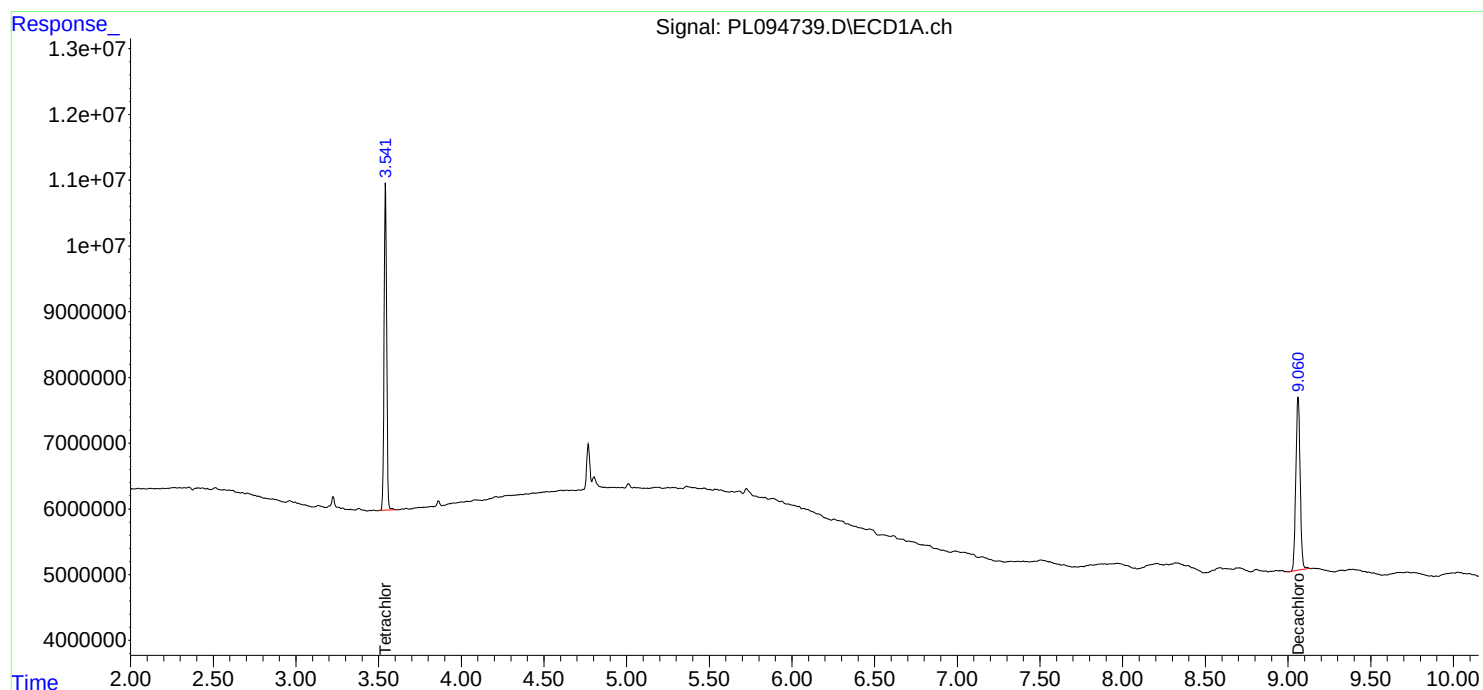
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

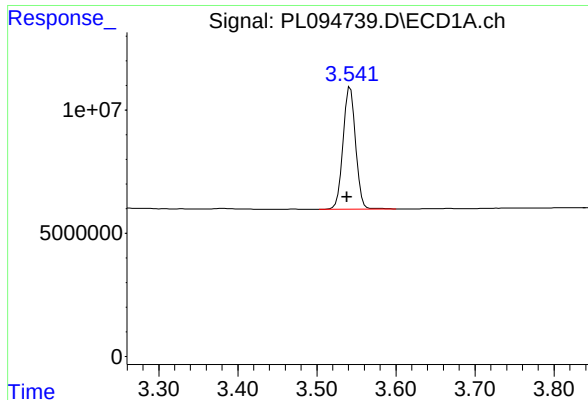
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 16:27
Operator : AR\AJ
Sample : PB167215BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167215BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

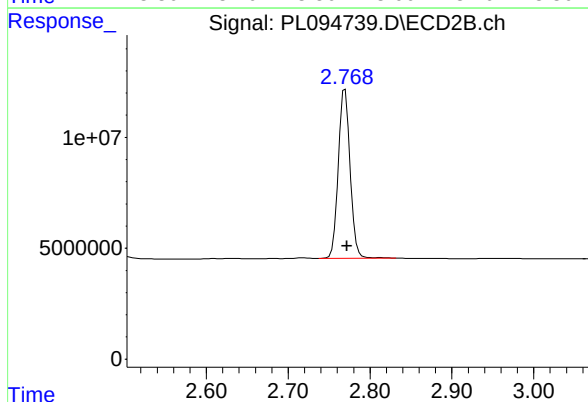




#1 Tetrachloro-m-xylene

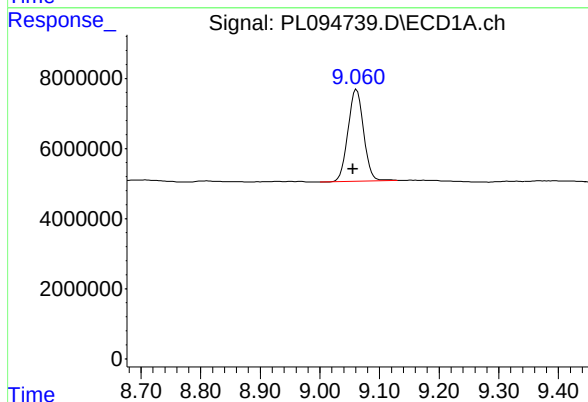
R.T.: 3.542 min
Delta R.T.: 0.004 min
Response: 54532724
Conc: 19.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BL



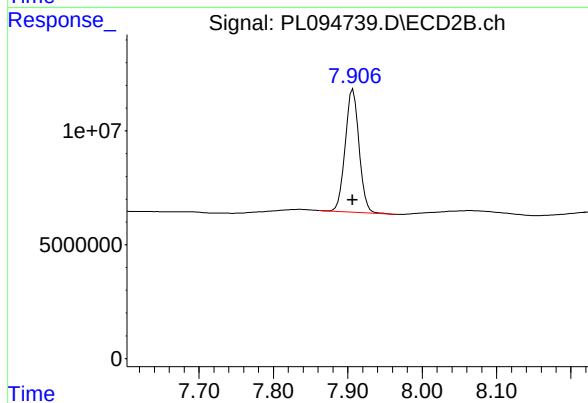
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 76708494
Conc: 21.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.006 min
Response: 47580012
Conc: 22.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 70074376
Conc: 17.35 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/11/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1569
Lab Sample ID:	I.BLK-PL094566.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094566.D	1		03/11/25	PL031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.088	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.7		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		44 - 124		103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
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: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	2.771	58403854	72167542	20.633	20.219
28) SA Decachlor...	9.053	7.905	47932225	84990699	22.744	21.041

Target Compounds

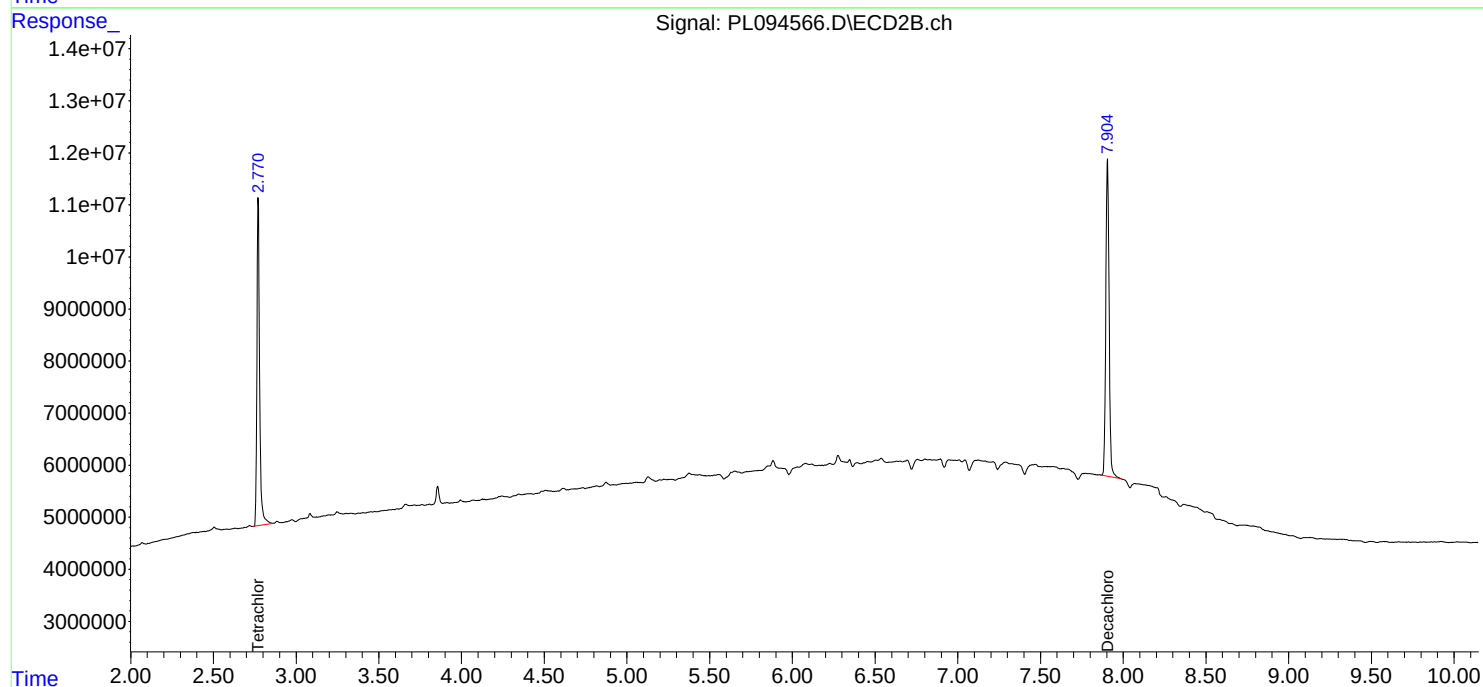
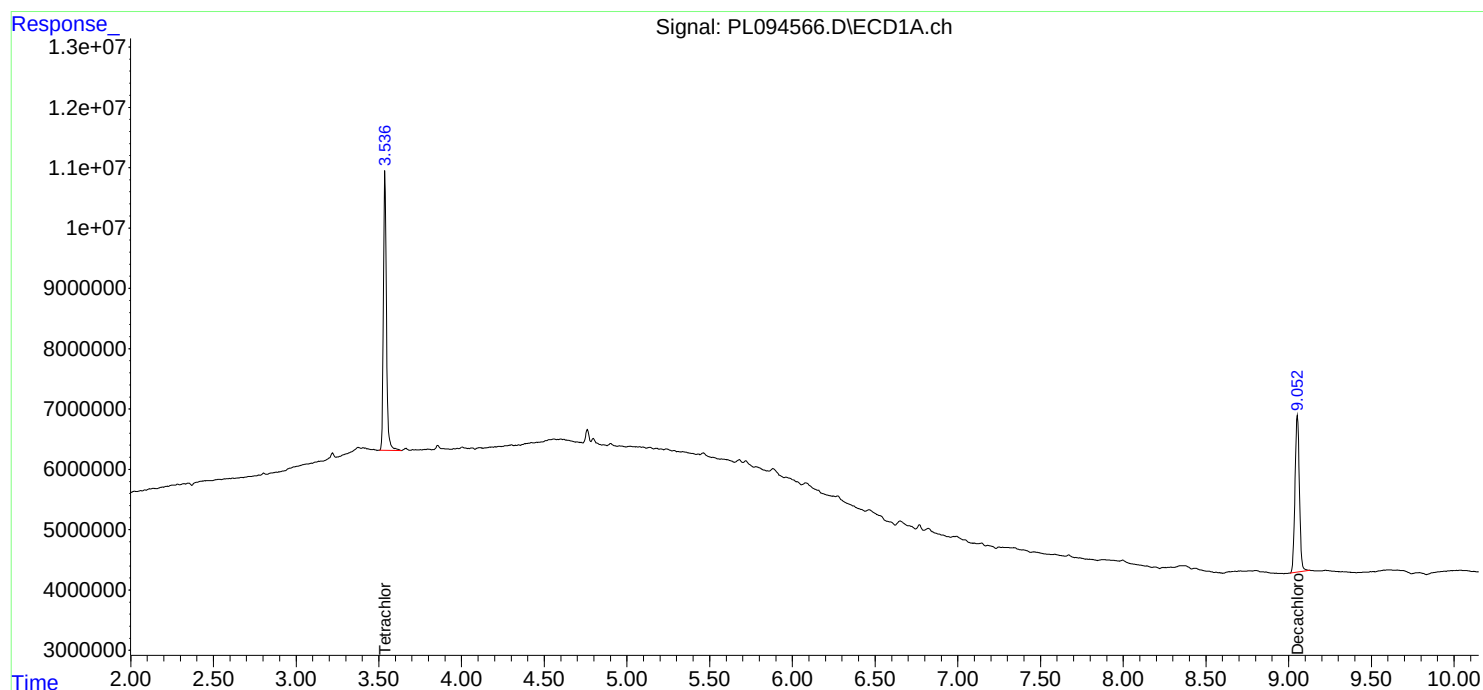
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

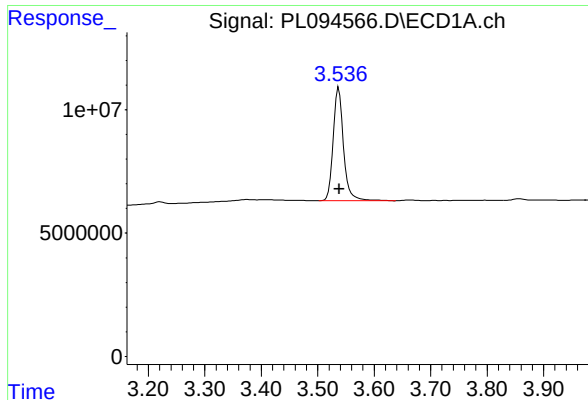
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

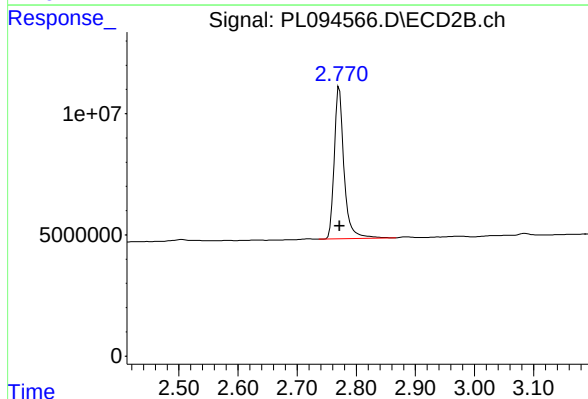




#1 Tetrachloro-m-xylene

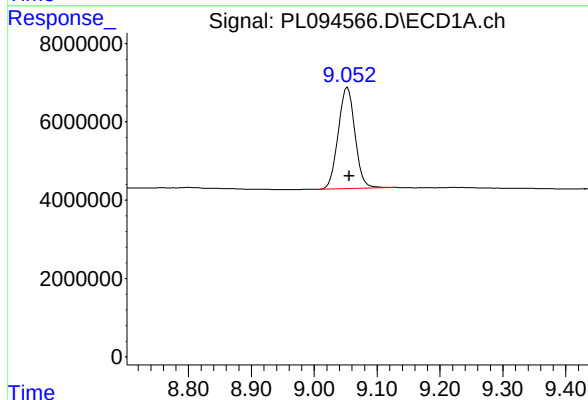
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



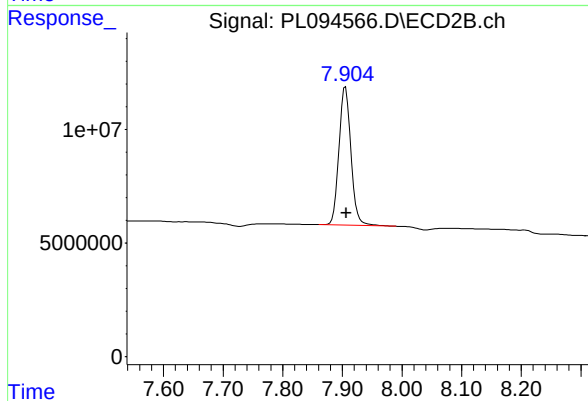
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72167542
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 47932225
Conc: 22.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 84990699
Conc: 21.04 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/19/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/19/25
Client Sample ID:	PIBLK-PL094737.D	SDG No.:	Q1569
Lab Sample ID:	I.BLK-PL094737.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094737.D	1		03/19/25	pl031925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.088	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.6		30 - 135		93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		44 - 124		95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 14:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	2.770	53289605	68126504	18.826	19.087
28) SA Decachlor...	9.050	7.903	39113558	58668468	18.560	14.524

Target Compounds

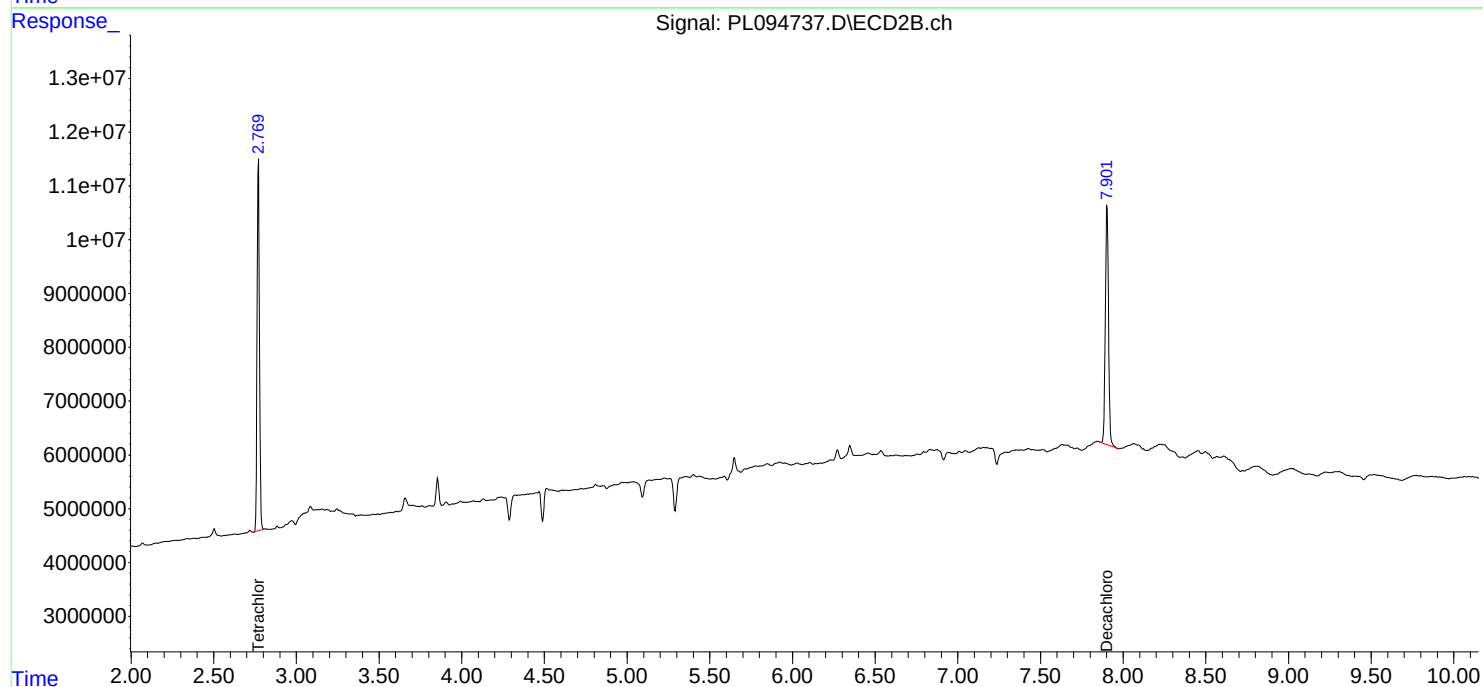
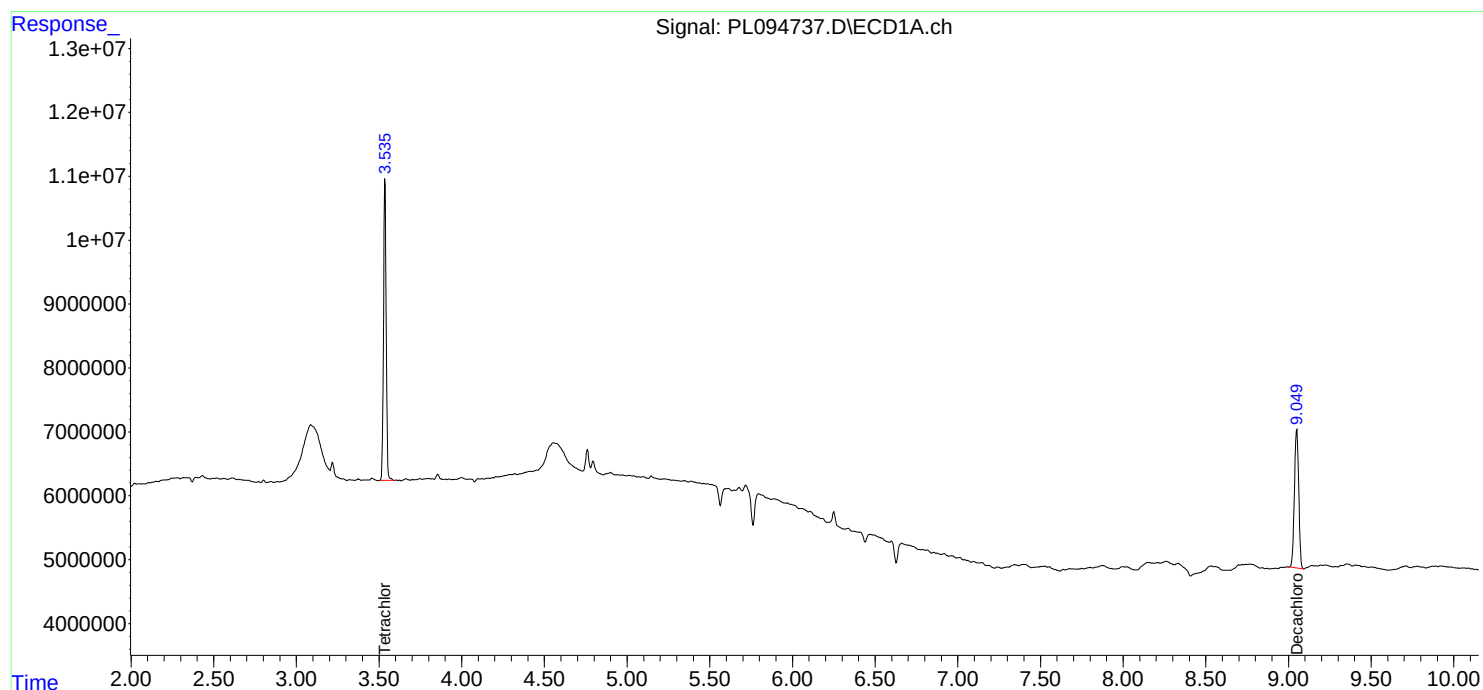
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

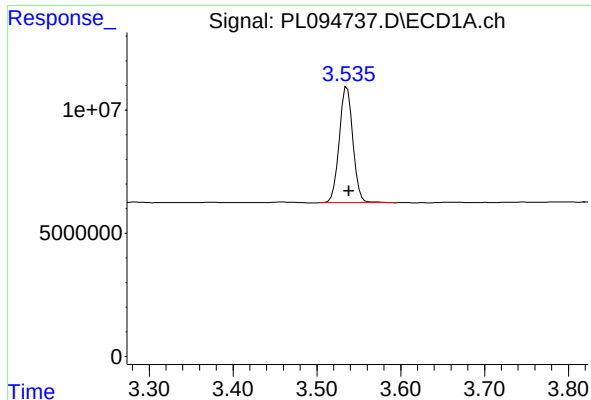
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 14:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:03:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

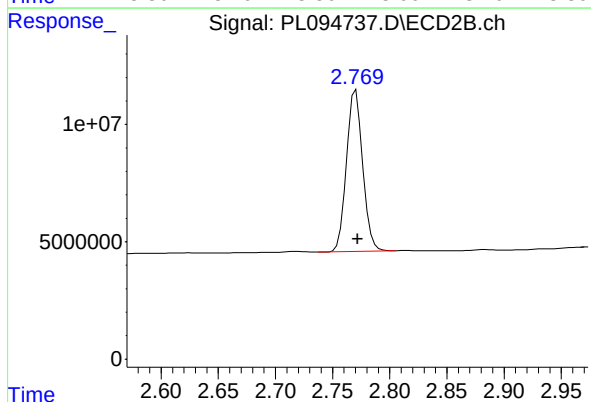




#1 Tetrachloro-m-xylene

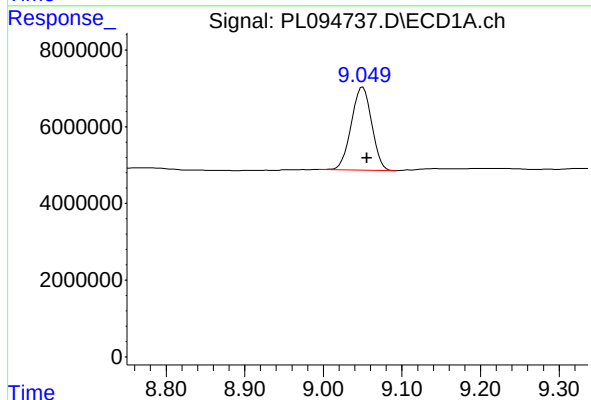
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 53289605
Conc: 18.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



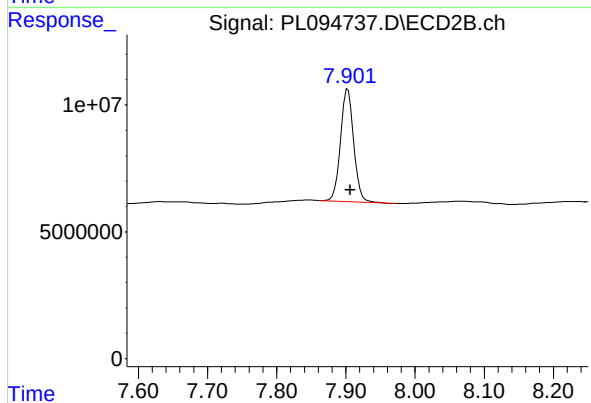
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 68126504
Conc: 19.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 39113558
Conc: 18.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 58668468
Conc: 14.52 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/19/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/19/25
Client Sample ID:	PIBLK-PL094750.D	SDG No.:	Q1569
Lab Sample ID:	I.BLK-PL094750.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094750.D	1		03/19/25	pl031925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.088	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.4		30 - 135		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		44 - 124		90%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 19:03
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: Mar 20 01:09:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	2.770	50469187	64337607	17.829	18.025
28) SA Decachlor...	9.049	7.903	40837178	71588133	19.377	17.723

Target Compounds

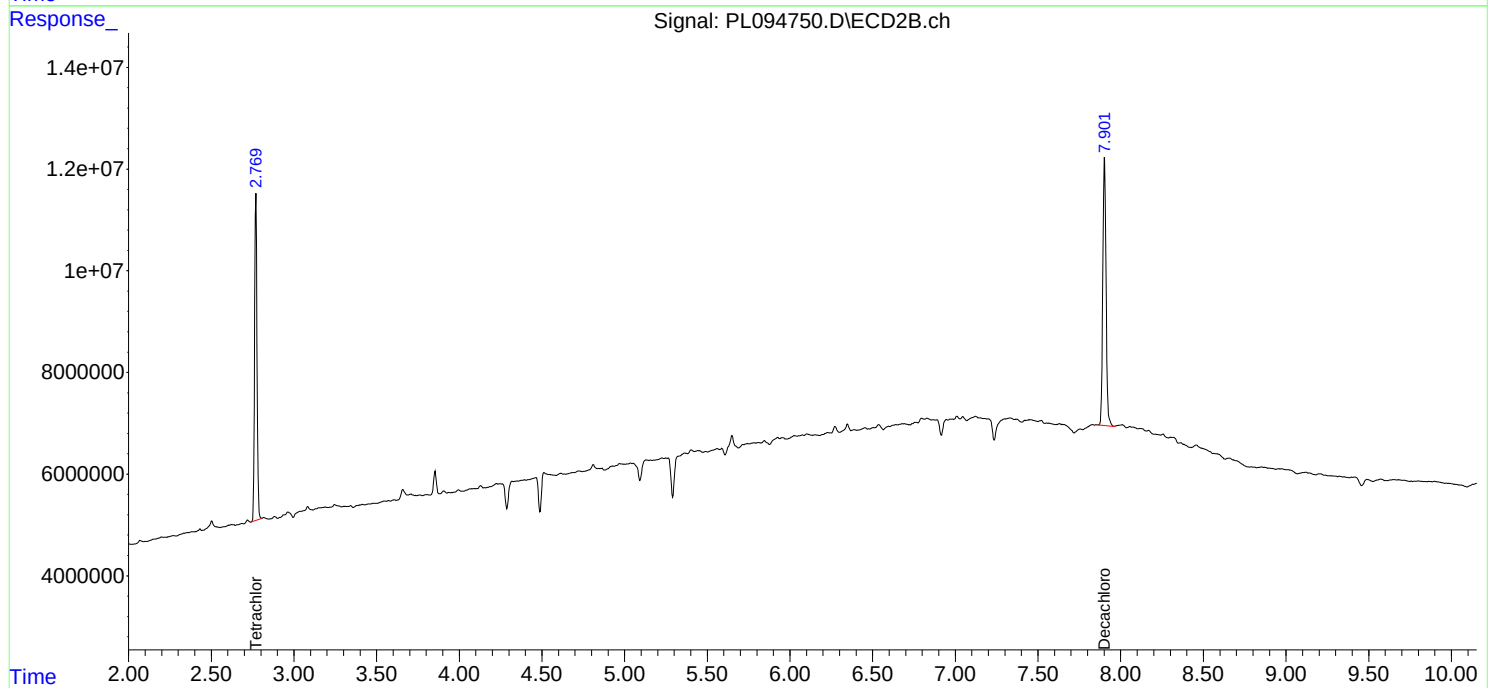
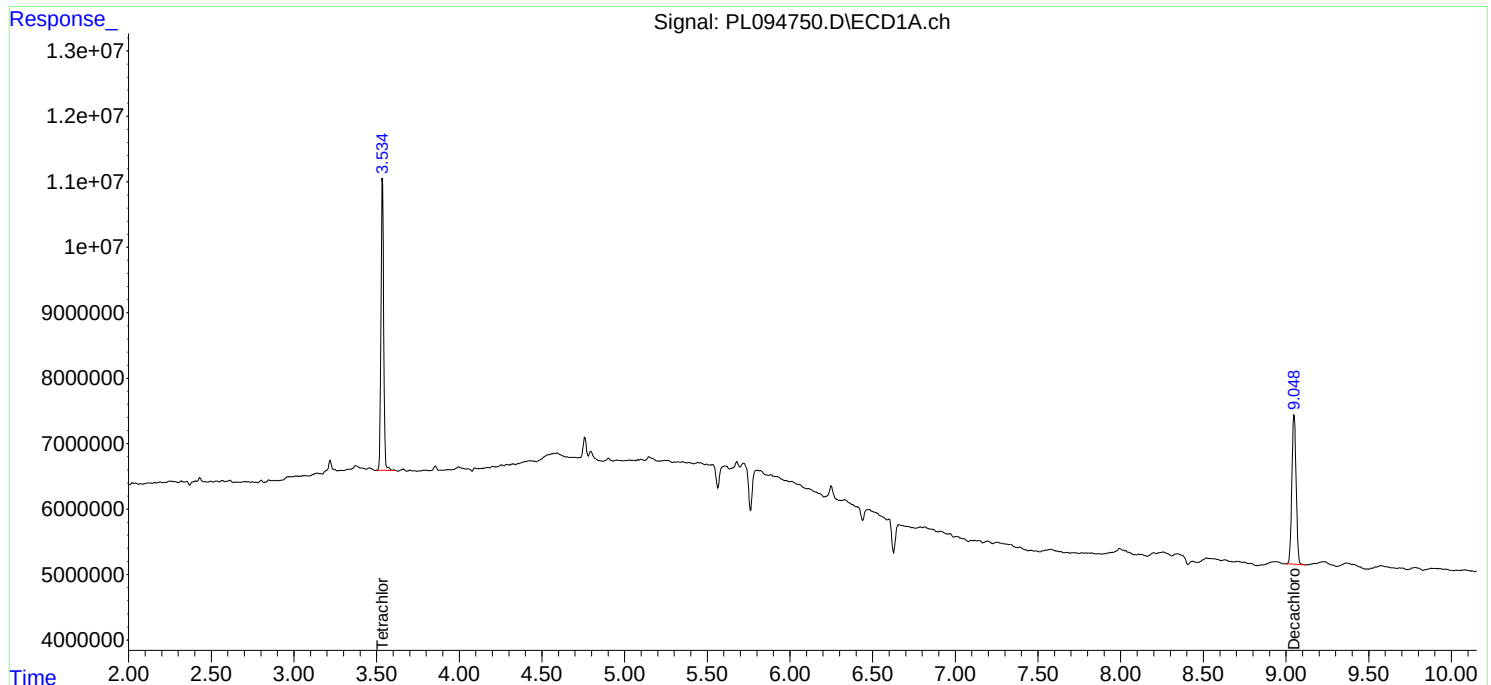
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

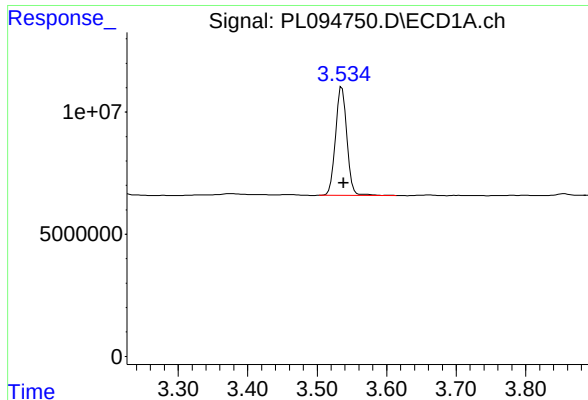
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 19:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 01:09:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

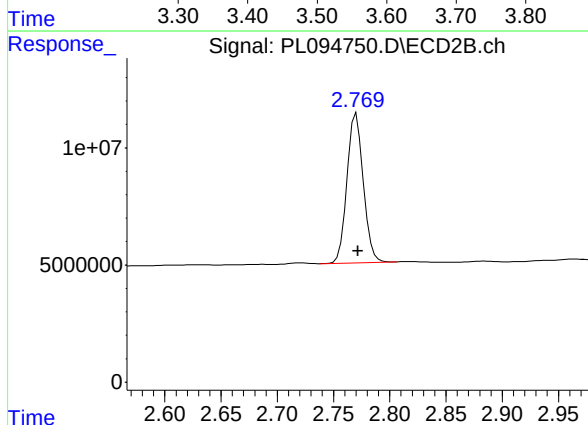




#1 Tetrachloro-m-xylene

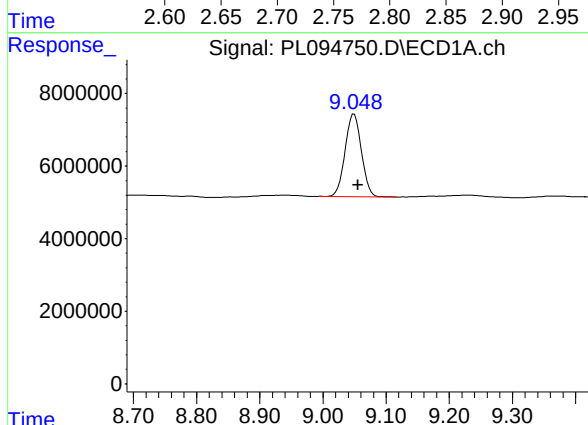
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 50469187
Conc: 17.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



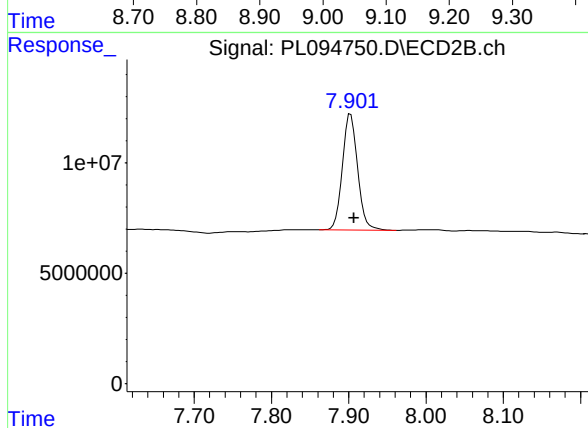
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 64337607
Conc: 18.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 40837178
Conc: 19.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 71588133
Conc: 17.72 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	
Client Sample ID:	PB167215BS	SDG No.:	Q1569
Lab Sample ID:	PB167215BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094740.D	1	03/19/25 11:40	03/19/25 16:40	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.53		0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.49		0.0027	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.52		0.0096	0.025	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.088	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.9		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		44 - 124		113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094740.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 16:40
 Operator : AR\AJ
 Sample : PB167215BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167215BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:04:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	60087617	80695148	21.227	22.608
28) SA Decachlor...	9.054	7.904	48219387	75520531	22.880	18.696
Target Compounds						
2) A alpha-BHC	3.993	3.272	200.0E6	285.8E6	48.177	53.012
3) MA gamma-BHC...	4.325	3.602	191.9E6	269.8E6	48.097	52.497
4) MA Heptachlor	4.913	3.940	175.9E6	258.9E6	45.322	49.130
5) MB Aldrin	5.255	4.219	174.9E6	253.7E6	47.383	52.018
6) B beta-BHC	4.524	3.902	88447955	119.5E6	47.934	53.807
7) B delta-BHC	4.772	4.131	204.1E6	270.8E6	52.414	54.143
8) B Heptachlo...	5.682	4.720	161.8E6	239.2E6	48.355	52.234m
9) A Endosulfan I	6.068	5.091	150.9E6	229.1E6	49.155	52.191
10) B gamma-Chl...	5.938	4.971	164.6E6	250.8E6	48.862	51.952
11) B alpha-Chl...	6.017	5.035	161.1E6	245.6E6	48.864	51.453
12) B 4,4'-DDE	6.191	5.223	156.5E6	249.2E6	53.203	53.599
13) MA Dieldrin	6.342	5.355	156.3E6	251.2E6	48.886	51.769
14) MA Endrin	6.571	5.630	124.2E6	214.8E6	44.788m	49.230
15) B Endosulfa...	6.793	5.926	133.3E6	223.5E6	49.096	51.630
16) A 4,4'-DDD	6.708	5.778	120.3E6	207.9E6	55.520	57.805
17) MA 4,4'-DDT	7.022	6.028	114.4E6	195.1E6	48.094	48.380
18) B Endrin al...	6.923	6.104	102.8E6	171.2E6	48.707	50.878
19) B Endosulfa...	7.158	6.328	119.6E6	212.6E6	49.162	52.190
20) A Methoxychlor	7.498	6.603	57230208	100.7E6	47.808	47.465
21) B Endrin ke...	7.643	6.831	134.7E6	245.0E6	50.972	51.344m
22) Mirex	8.115	7.010	95476499	178.7E6	46.207	47.087m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 16:40
Operator : AR\AJ
Sample : PB167215BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167215BS

Manual Integrations

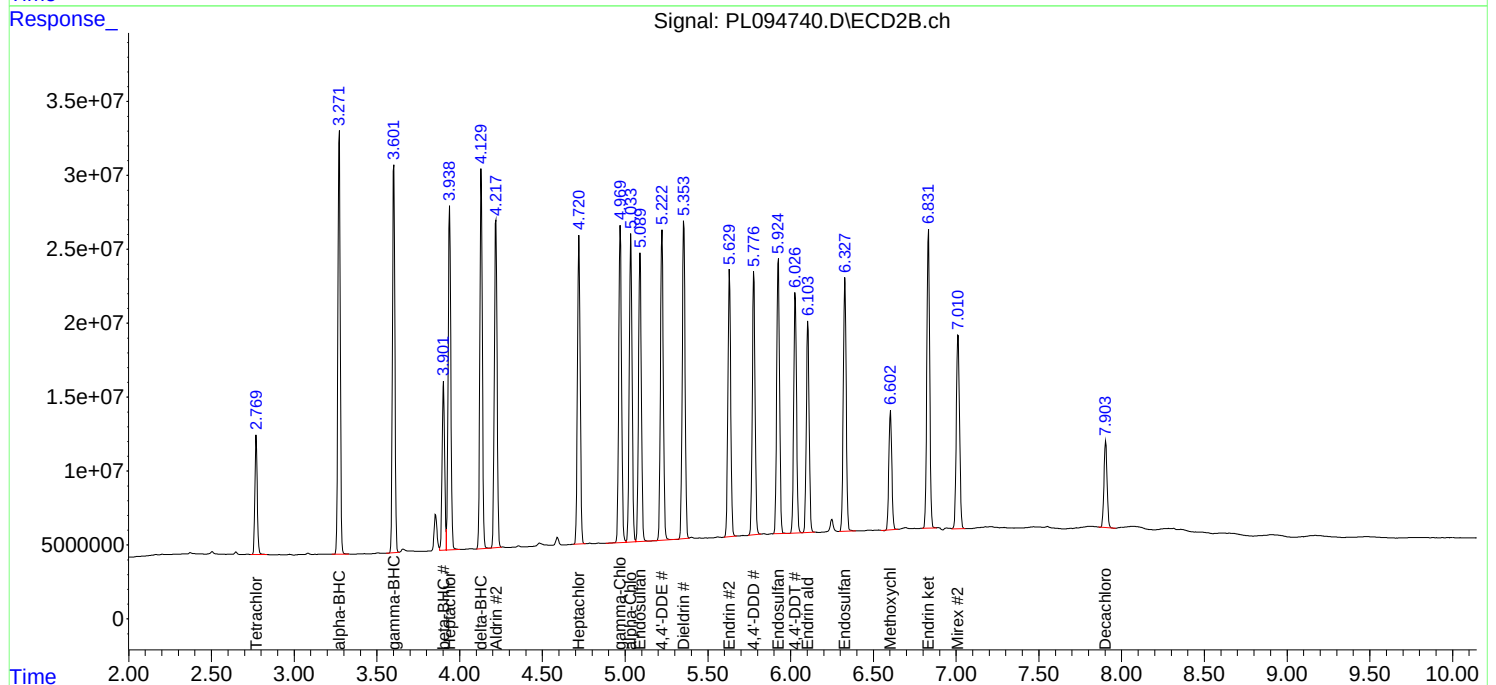
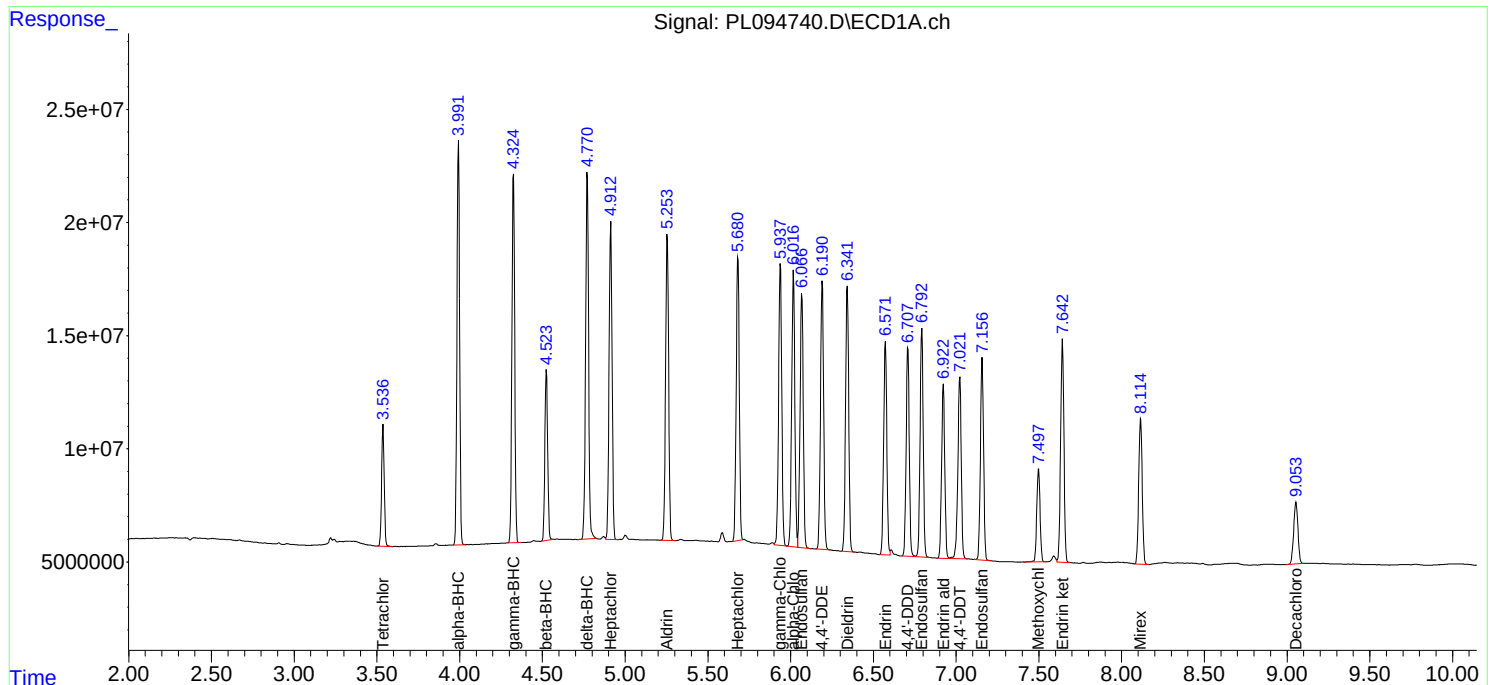
APPROVED

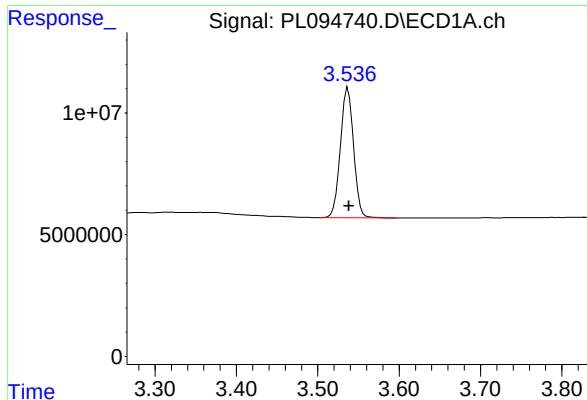
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





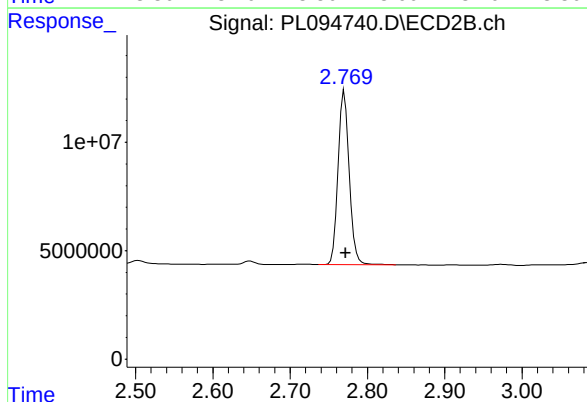
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 60087617
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

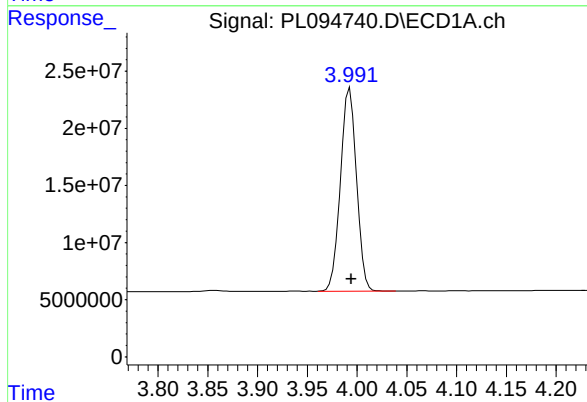
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



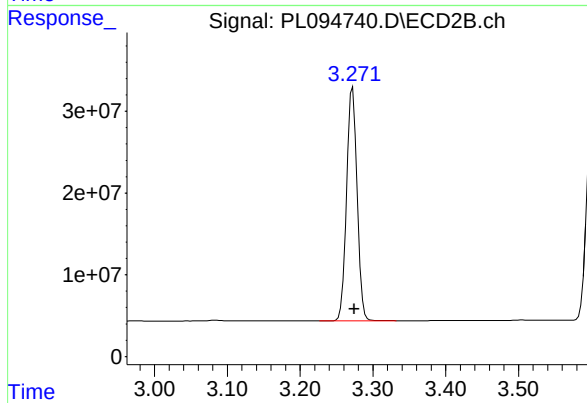
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 80695148
Conc: 22.61 ng/ml



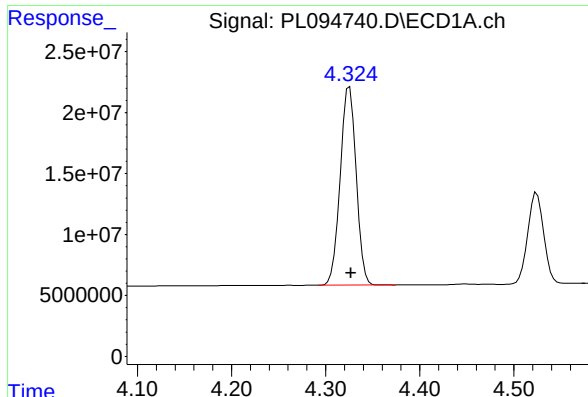
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 200046476
Conc: 48.18 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 285807402
Conc: 53.01 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 191918045
Conc: 48.10 ng/ml

Instrument :

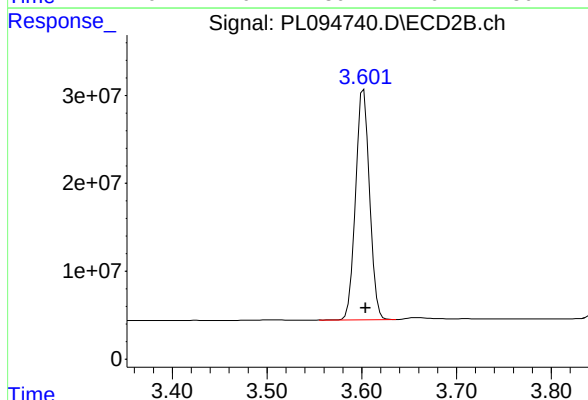
ECD_L

ClientSampleId :

PB167215BS

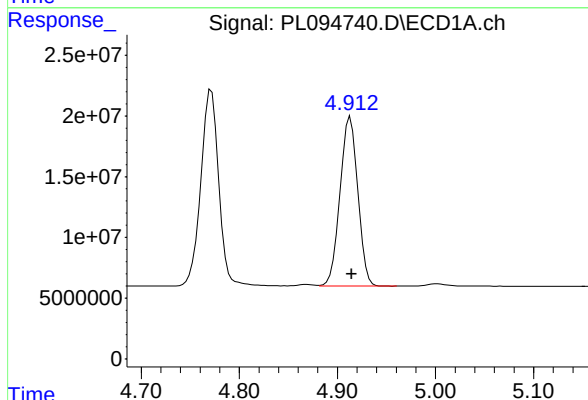
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



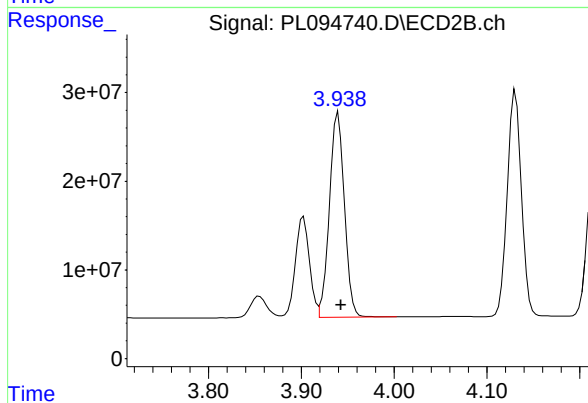
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 269807394
Conc: 52.50 ng/ml



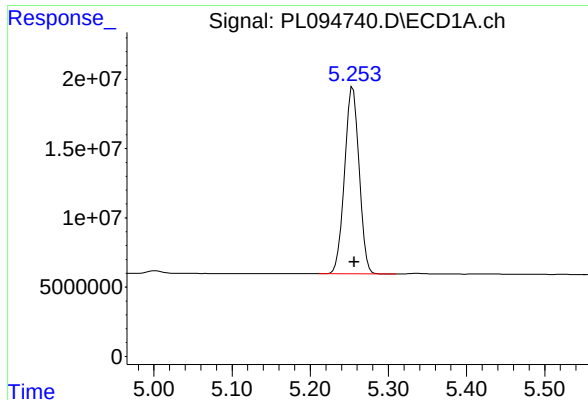
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 175924337
Conc: 45.32 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 258851172
Conc: 49.13 ng/ml



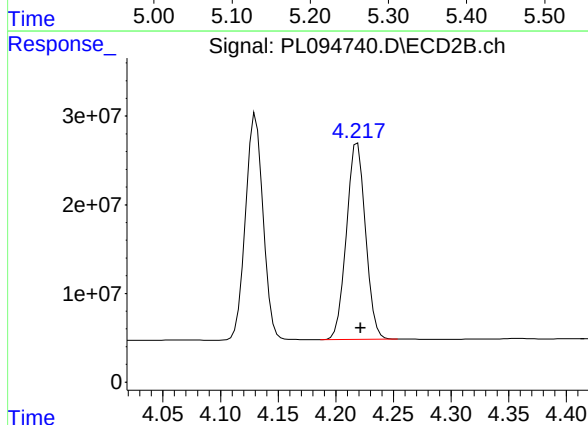
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.002 min
Response: 174947844
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

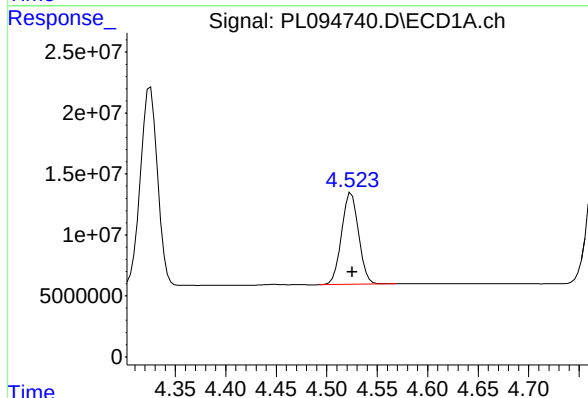
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



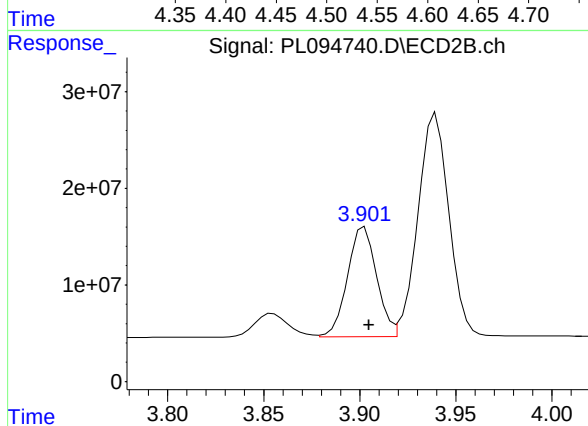
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 253656074
Conc: 52.02 ng/ml



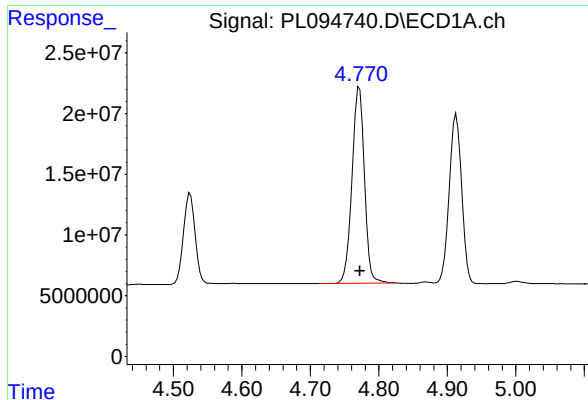
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 88447955
Conc: 47.93 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 119520735
Conc: 53.81 ng/ml



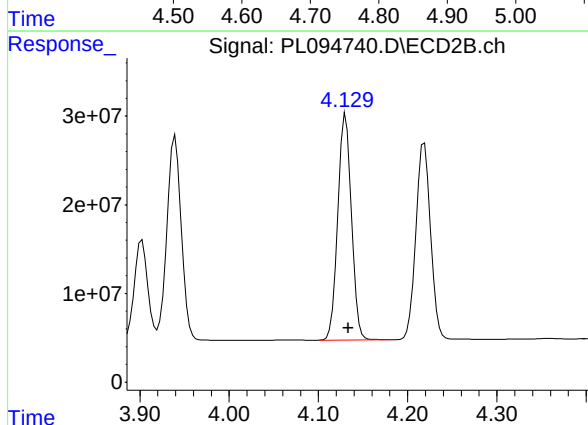
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: -0.001 min
Response: 204116328
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

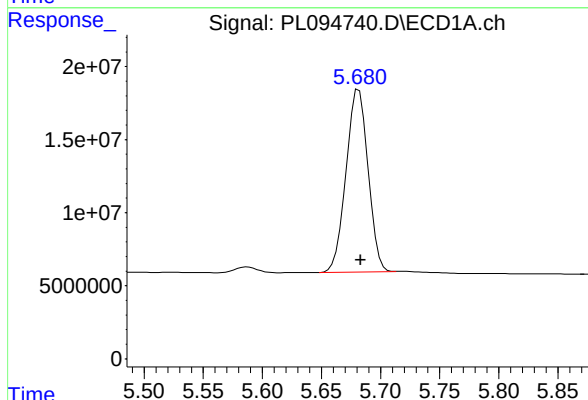
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



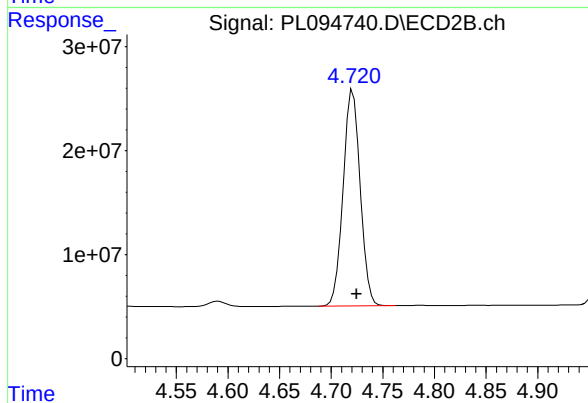
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 270823213
Conc: 54.14 ng/ml



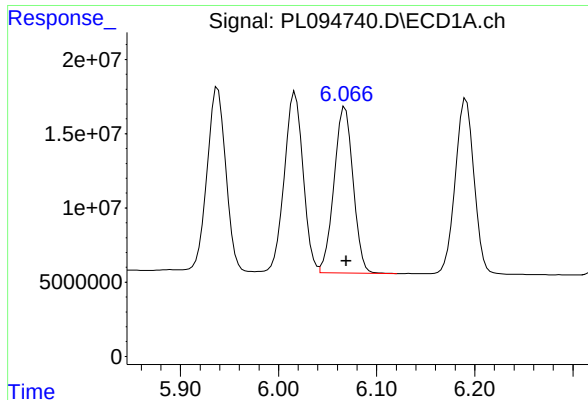
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 161755953
Conc: 48.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 239155831
Conc: 52.23 ng/ml m



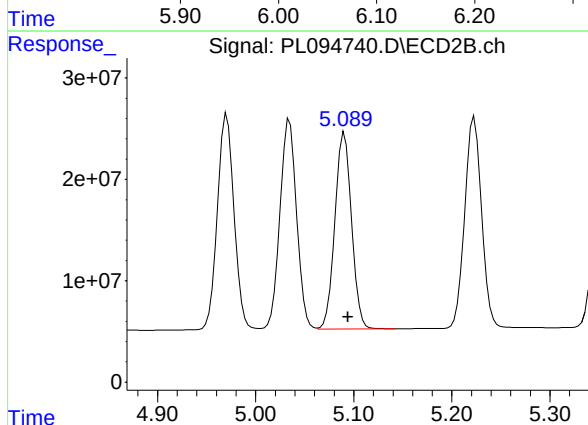
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 150914932
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

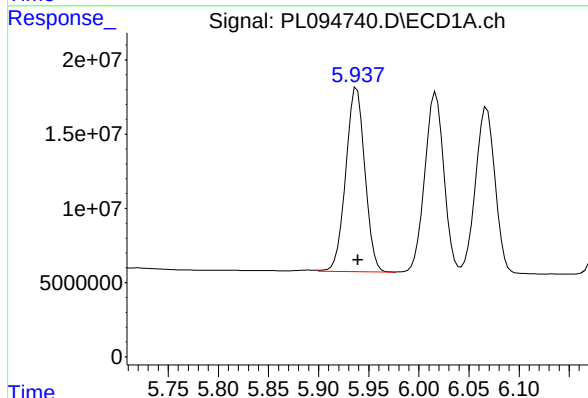
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



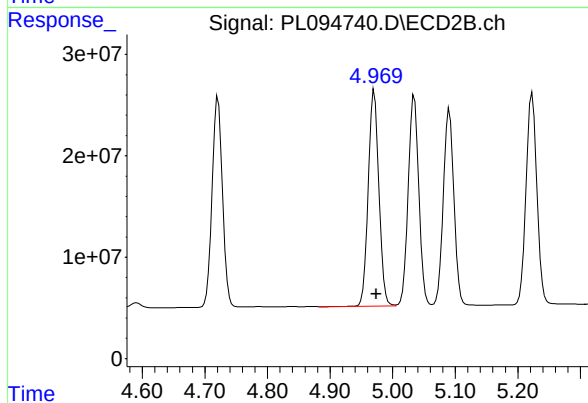
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 229053548
Conc: 52.19 ng/ml



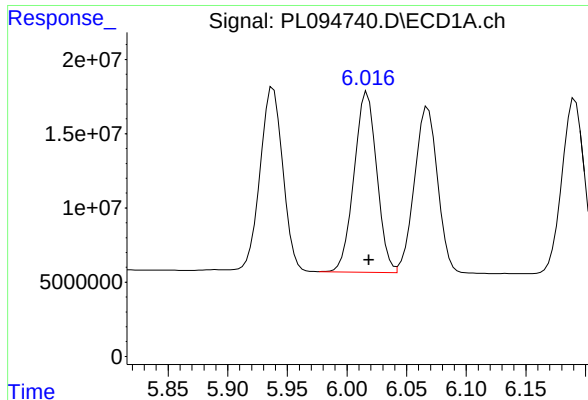
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 164632768
Conc: 48.86 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 250845058
Conc: 51.95 ng/ml



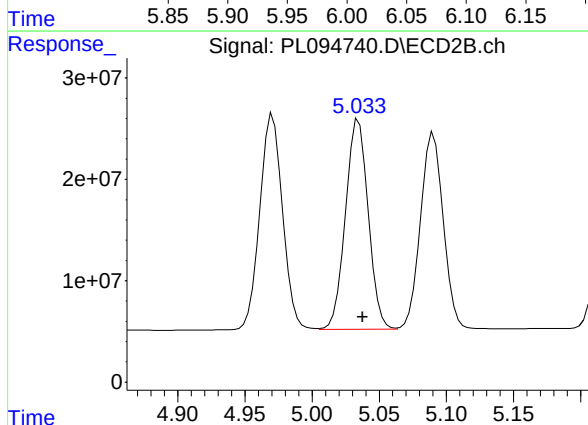
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 161095760
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

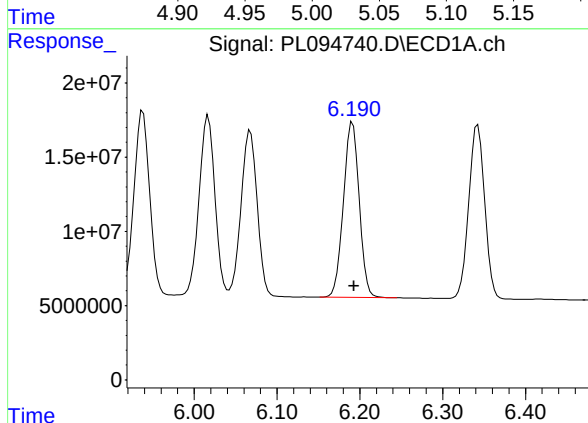
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



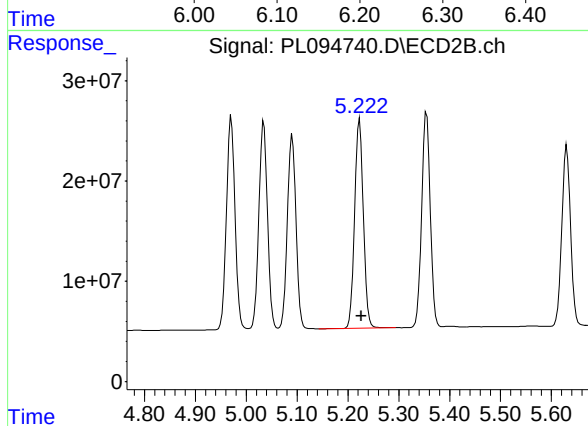
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 245571045
Conc: 51.45 ng/ml



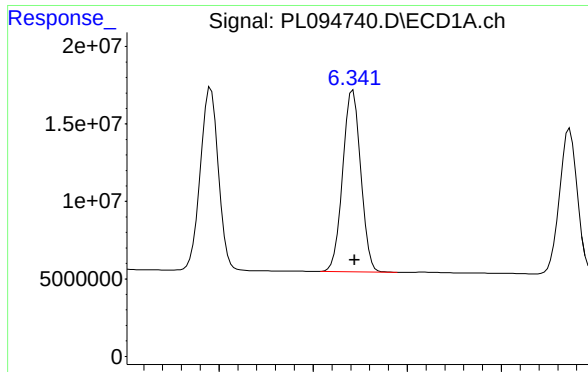
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 156525635
Conc: 53.20 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 249157160
Conc: 53.60 ng/ml



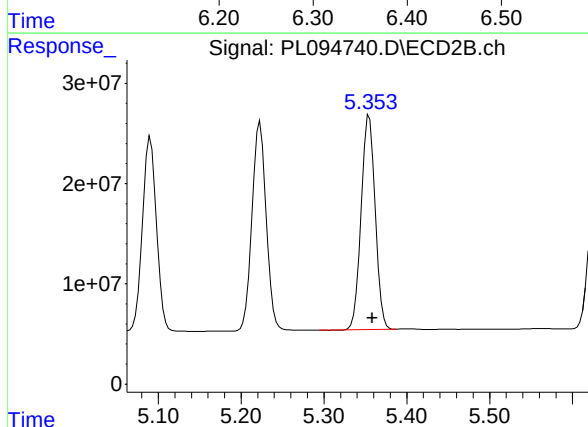
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 156343410
Conc: 48.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

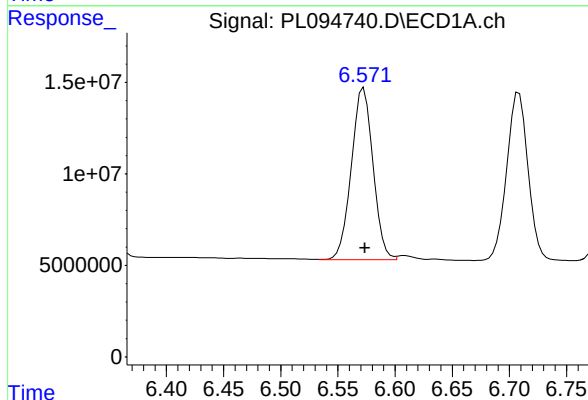
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



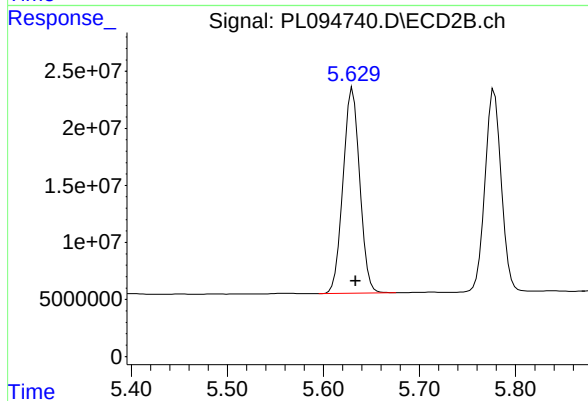
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.004 min
Response: 251172102
Conc: 51.77 ng/ml



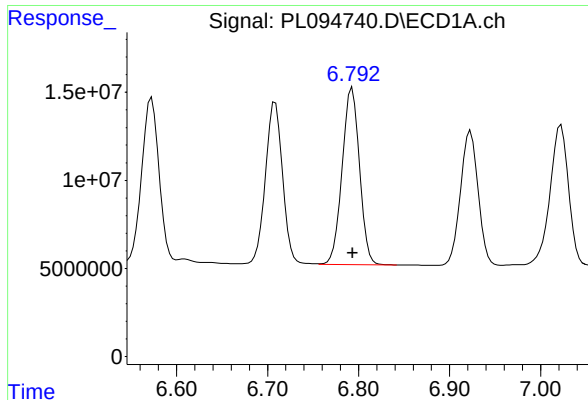
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 124156823
Conc: 44.79 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 214823706
Conc: 49.23 ng/ml



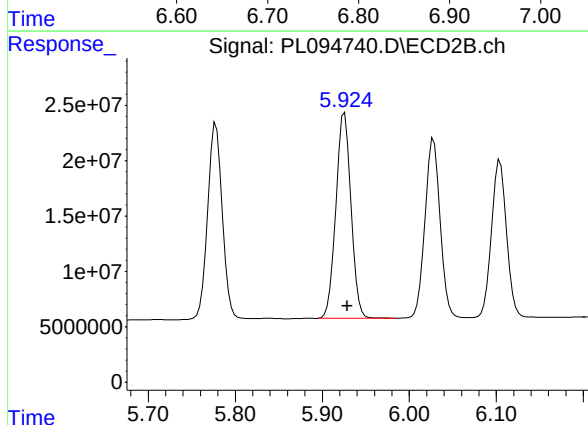
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 133281796
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

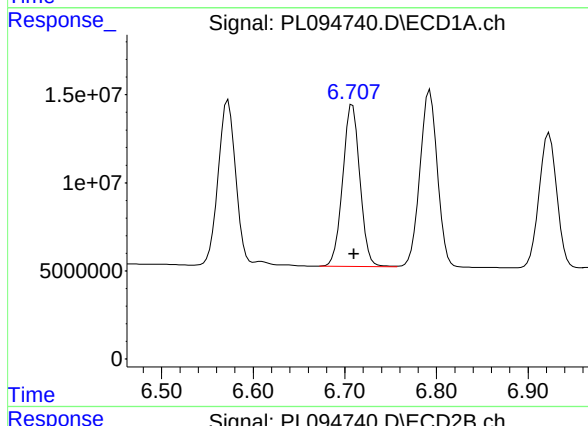
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



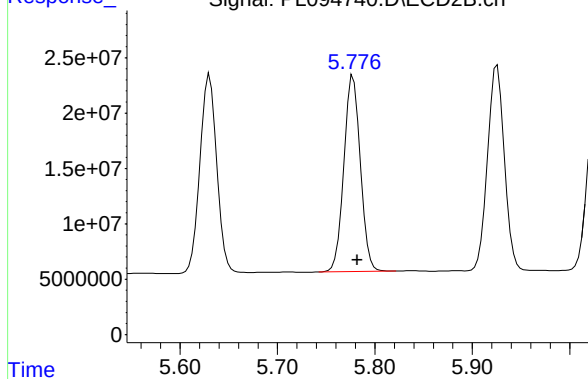
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 223469497
Conc: 51.63 ng/ml



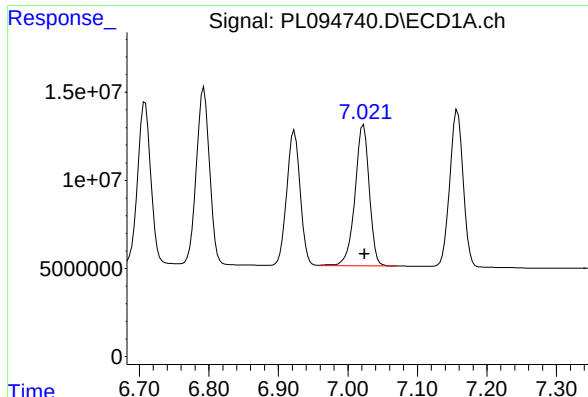
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 120259421
Conc: 55.52 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 207860848
Conc: 57.81 ng/ml



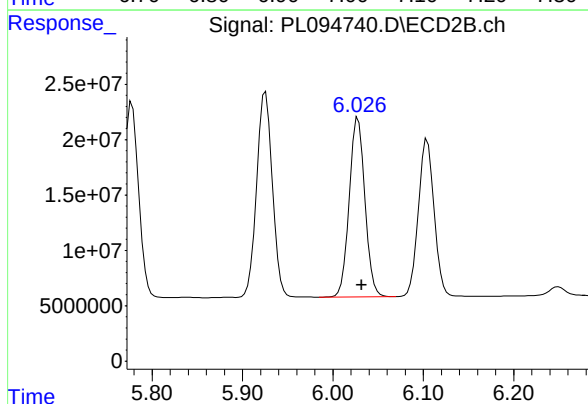
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 114392988
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

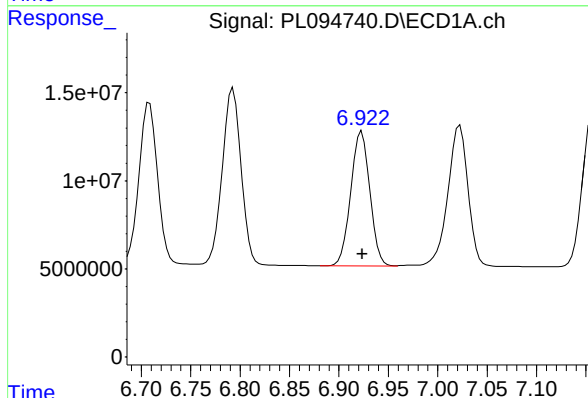
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



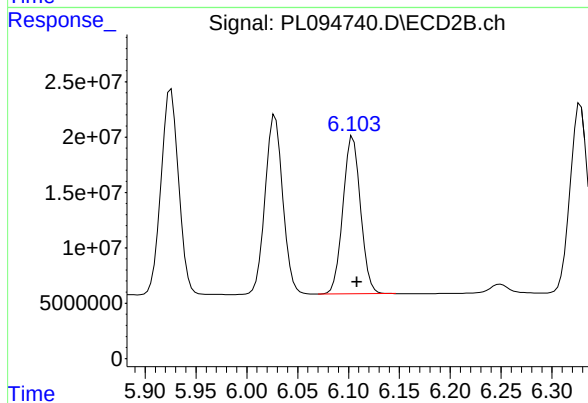
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 195071534
Conc: 48.38 ng/ml



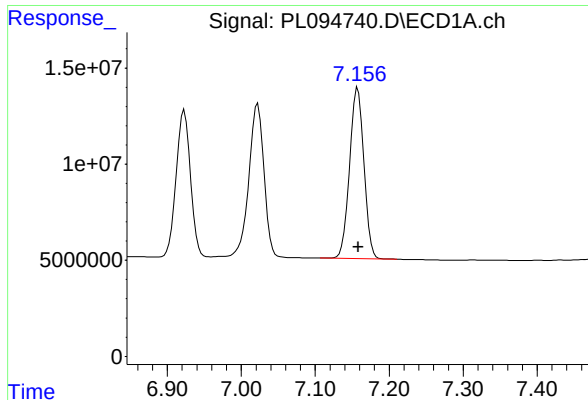
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 102819449
Conc: 48.71 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 171222786
Conc: 50.88 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 119561879
Conc: 49.16 ng/ml

Instrument :

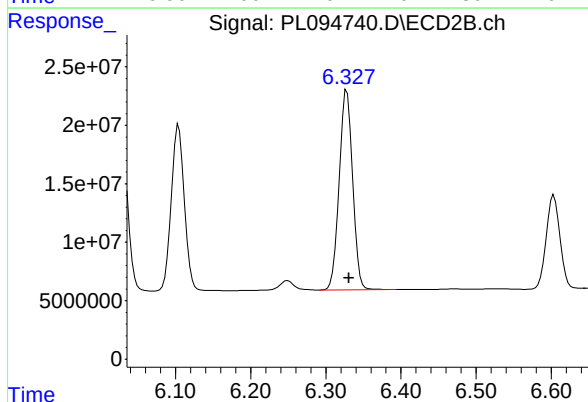
ECD_L

ClientSampleId :

PB167215BS

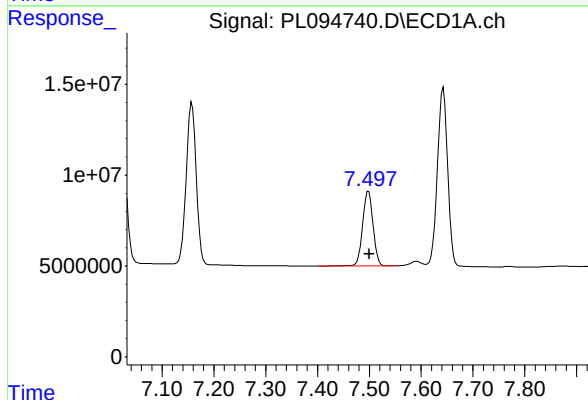
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



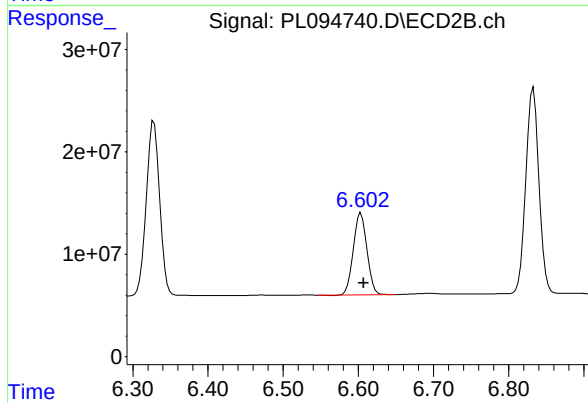
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 212593059
Conc: 52.19 ng/ml



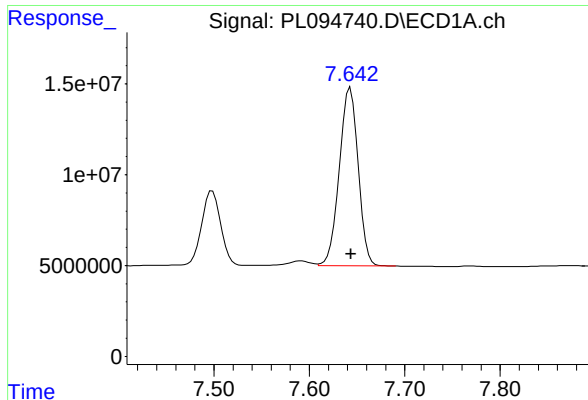
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.001 min
Response: 57230208
Conc: 47.81 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 100676197
Conc: 47.46 ng/ml



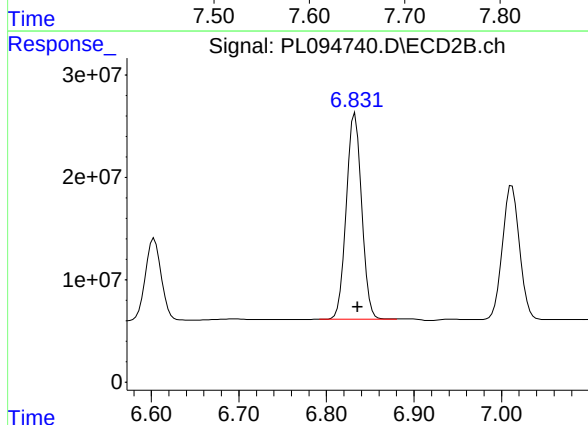
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 134733996
Conc: 50.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

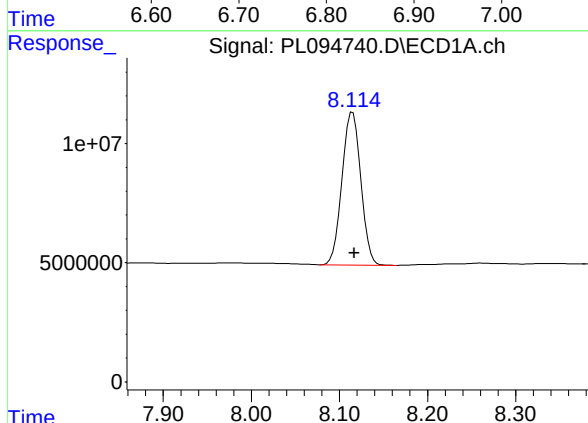
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



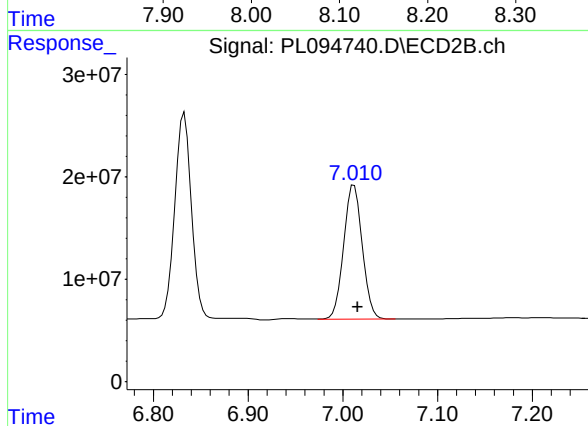
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 245043746
Conc: 51.34 ng/ml m



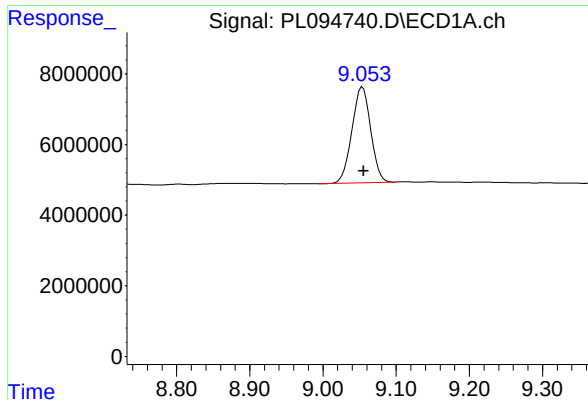
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 95476499
Conc: 46.21 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.005 min
Response: 178711094
Conc: 47.09 ng/ml m



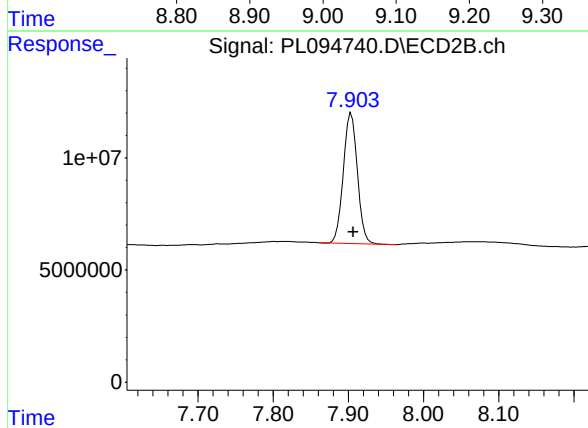
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48219387
Conc: 22.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS

Manual Integrations
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Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 75520531
Conc: 18.70 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01MS	SDG No.:	Q1569
Lab Sample ID:	Q1569-02MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094744.D	1	03/19/25 11:40	03/19/25 17:36	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	5.80		0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	5.20		0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.25	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	5.40		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.2		30 - 135		121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		44 - 124		109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094744.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 17:36
 Operator : AR\AJ
 Sample : Q1569-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-01MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/20/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:06:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	61638939	75824624	21.775	21.244
28) SA Decachlor...	9.051	7.903	51086676	90008863	24.241	22.283
Target Compounds						
2) A alpha-BHC	3.992	3.271	219.9E6	308.4E6	52.957	57.202m
3) MA gamma-BHC...	4.323	3.601	216.6E6	297.4E6	54.294m	57.871m
4) MA Heptachlor	4.913	3.939	191.0E6	274.8E6	49.207	52.155
5) MB Aldrin	5.254	4.218	181.8E6	249.0E6	49.237	51.063
6) B beta-BHC	4.524	3.902	98723090	131.2E6	53.502	59.054
7) B delta-BHC	4.770	4.130	190.3E6	239.7E6	48.869	47.923
8) B Heptachlo...	5.680	4.721	177.1E6	264.8E6	52.928	57.830
9) A Endosulfan I	6.066	5.091	165.0E6	256.0E6	53.729	58.336
10) B gamma-Chl...	5.937	4.971	178.7E6	280.1E6	53.044	58.021
11) B alpha-Chl...	6.015	5.035	175.4E6	274.9E6	53.202	57.595
12) B 4,4'-DDE	6.189	5.222	171.9E6	271.9E6	58.418	58.486m
13) MA Dieldrin	6.341	5.355	174.2E6	279.1E6	54.457	57.525
14) MA Endrin	6.570	5.630	146.0E6	253.4E6	52.671m	58.072
15) B Endosulfa...	6.792	5.925	148.9E6	249.5E6	54.836	57.647
16) A 4,4'-DDD	6.707	5.779	132.3E6	225.8E6	61.060	62.799
17) MA 4,4'-DDT	7.021	6.028	130.7E6	224.2E6	54.966	55.599
18) B Endrin al...	6.921	6.105	109.6E6	187.2E6	51.920	55.614
19) B Endosulfa...	7.155	6.328	128.9E6	230.8E6	53.012	56.652
20) A Methoxychlor	7.497	6.604	64681005	114.9E6	54.033	54.190
21) B Endrin ke...	7.641	6.833	148.9E6	270.5E6	56.327	56.674
22) Mirex	8.114	7.012	105.9E6	200.9E6	51.264	52.946

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:36
Operator : AR\AJ
Sample : Q1569-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

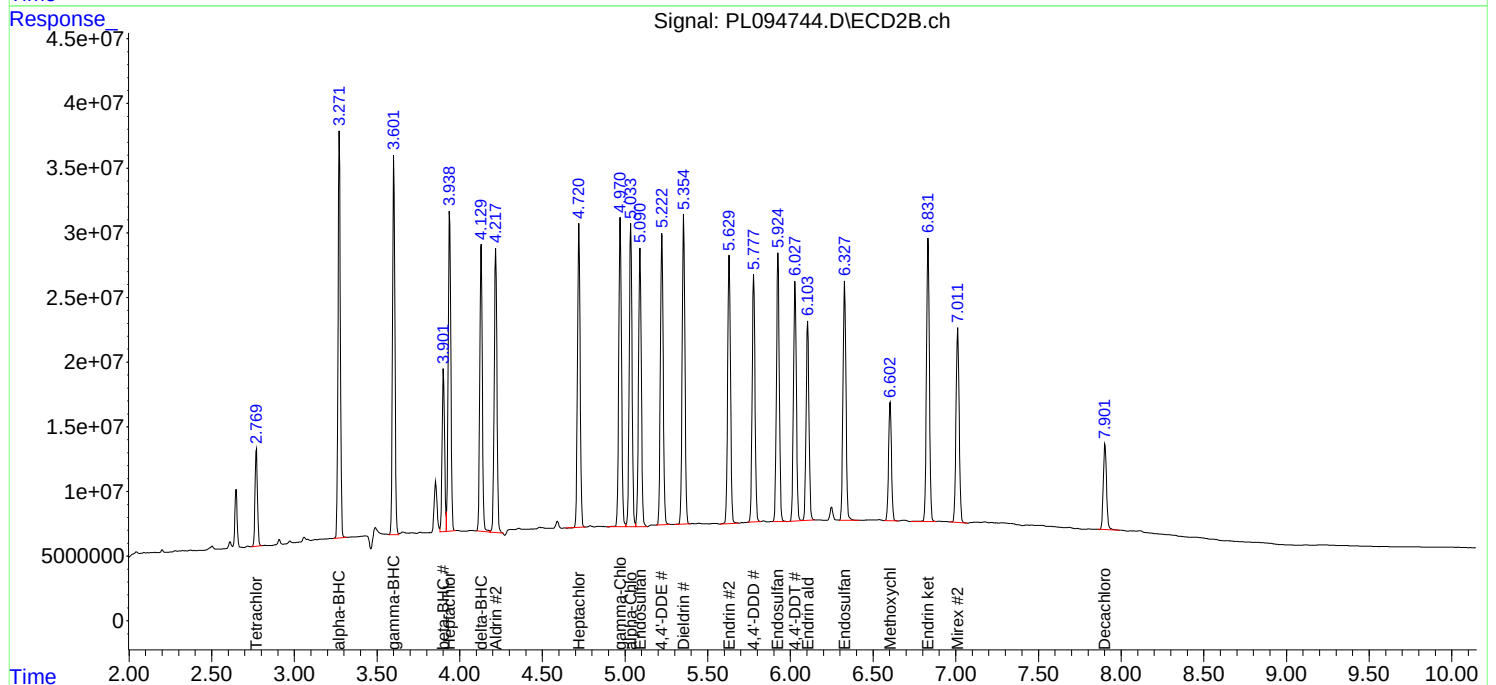
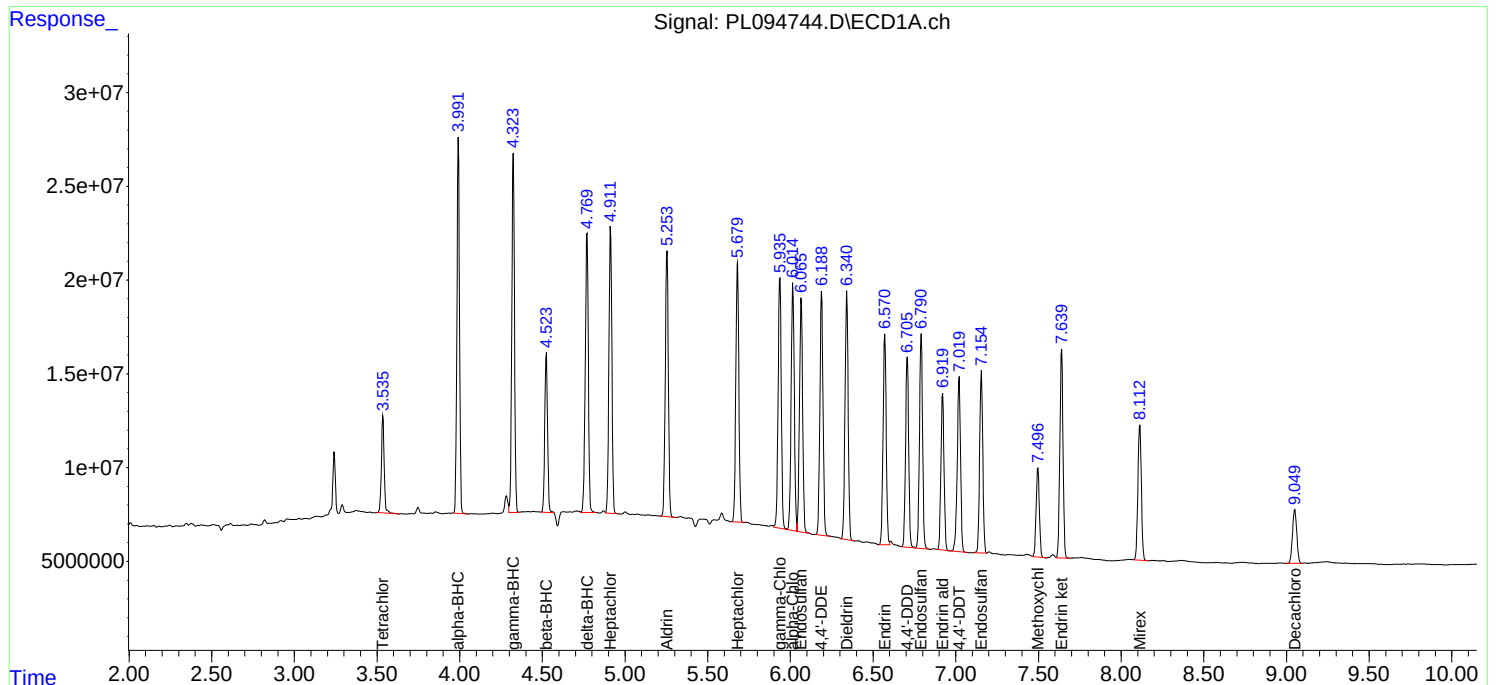
Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

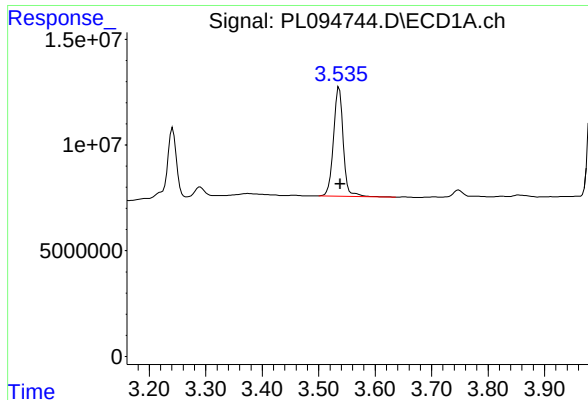
Manual Integrations
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Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





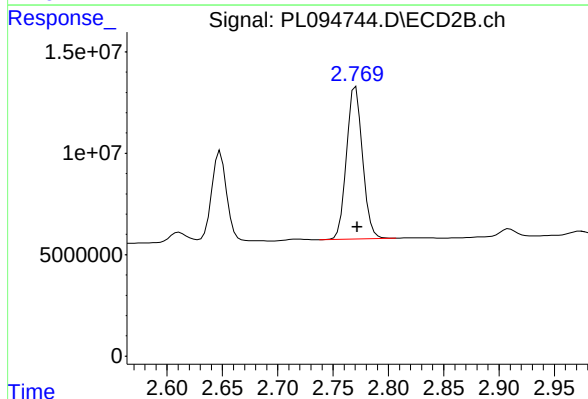
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 61638939
Conc: 21.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

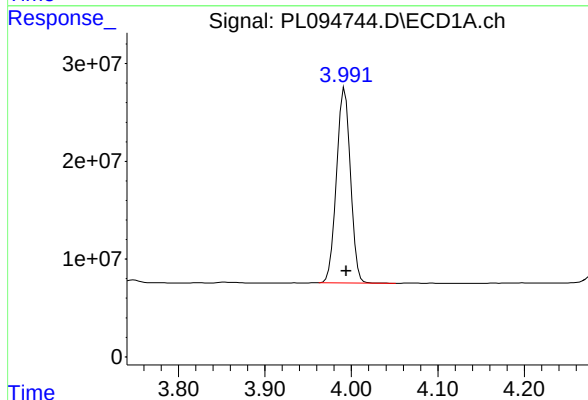
Manual Integrations
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Supervised By :mohammad ahmed 03/24/2025



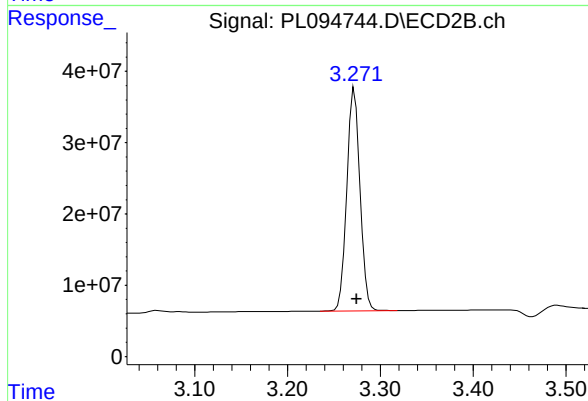
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.001 min
Response: 75824624
Conc: 21.24 ng/ml



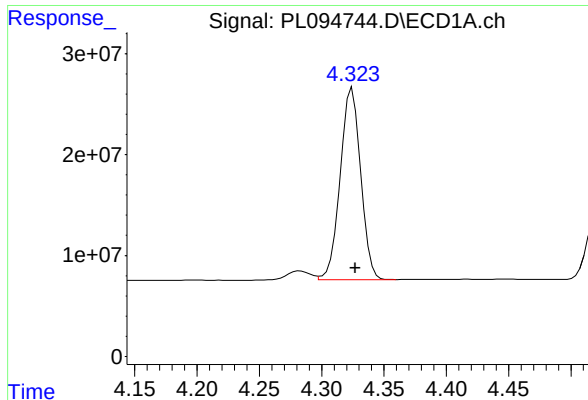
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 219894926
Conc: 52.96 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 308397815
Conc: 57.20 ng/ml m



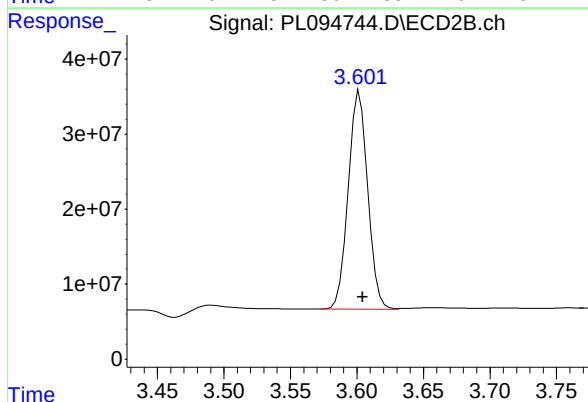
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 216649652
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

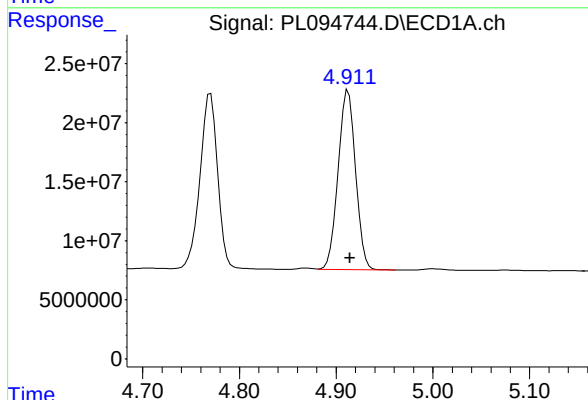
**Manual Integrations
APPROVED**

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Supervised By :mohammad ahmed 03/24/2025



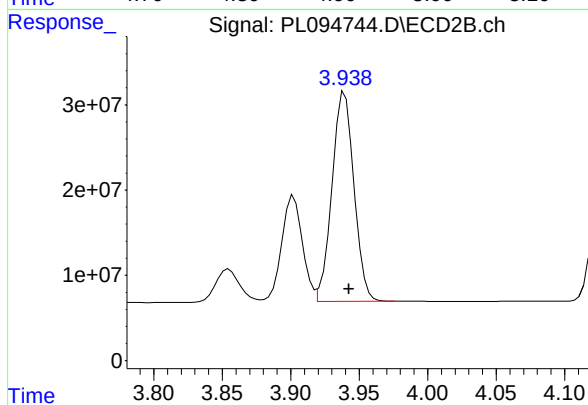
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.004 min
Response: 297423838
Conc: 57.87 ng/ml



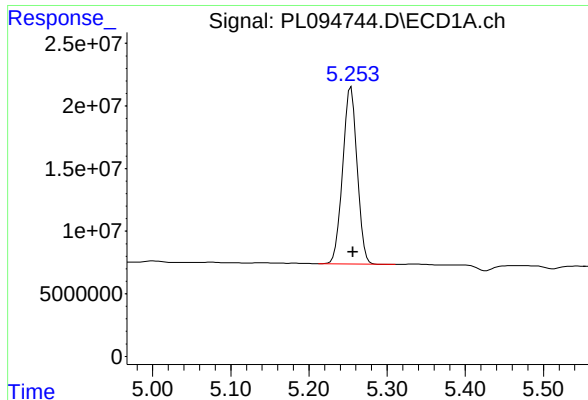
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 191005084
Conc: 49.21 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 274788560
Conc: 52.16 ng/ml



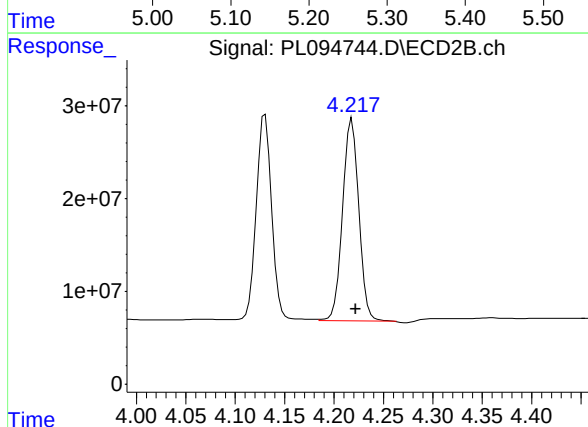
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 181792213
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

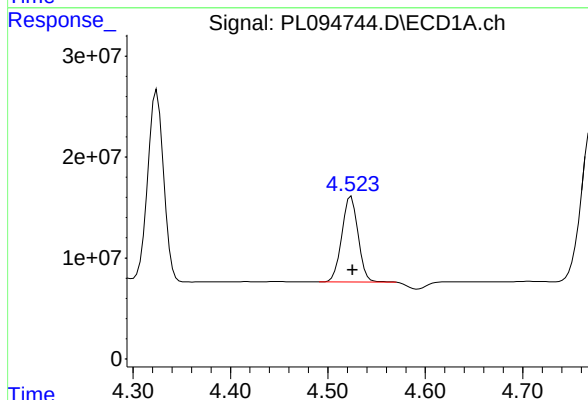
Manual Integrations
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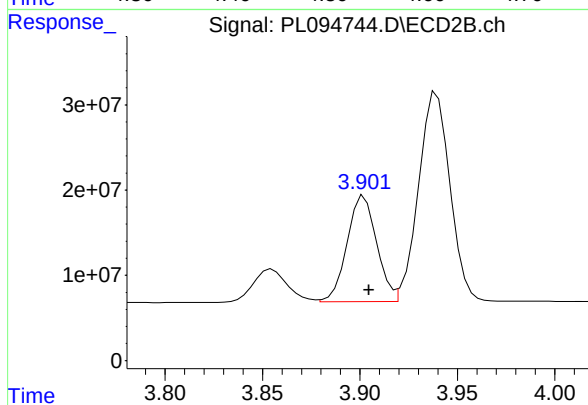
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 248999413
Conc: 51.06 ng/ml



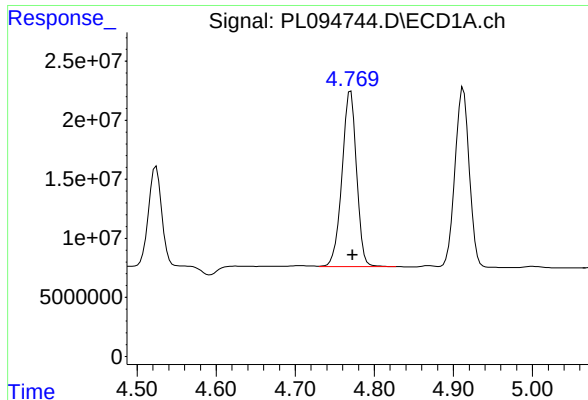
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 98723090
Conc: 53.50 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 131176166
Conc: 59.05 ng/ml



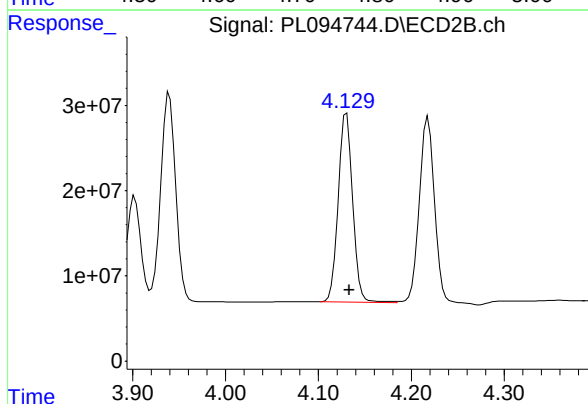
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 190309931
Conc: 48.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

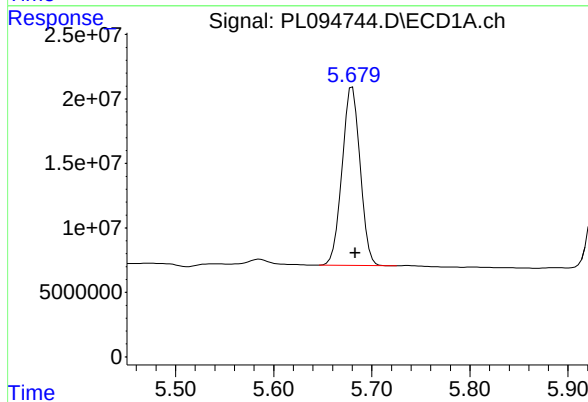
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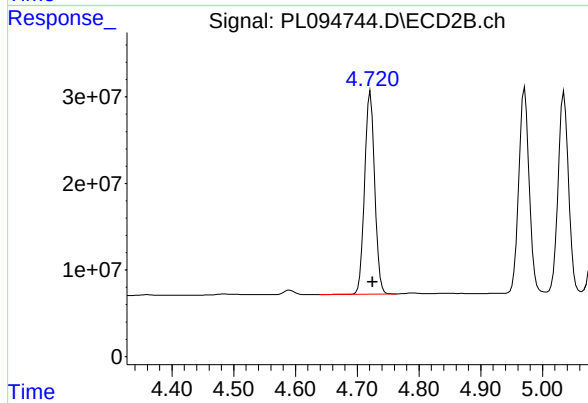
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 239709607
Conc: 47.92 ng/ml



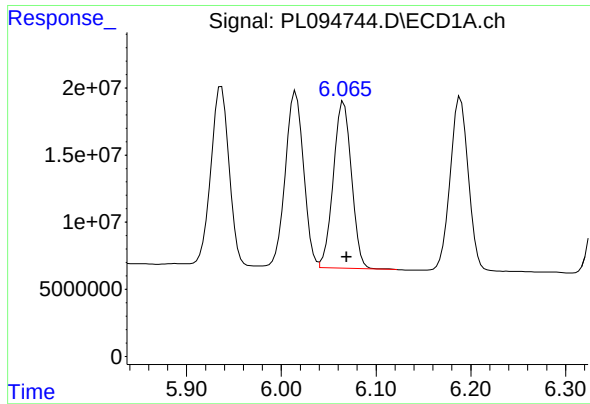
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 177055005
Conc: 52.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 264778167
Conc: 57.83 ng/ml



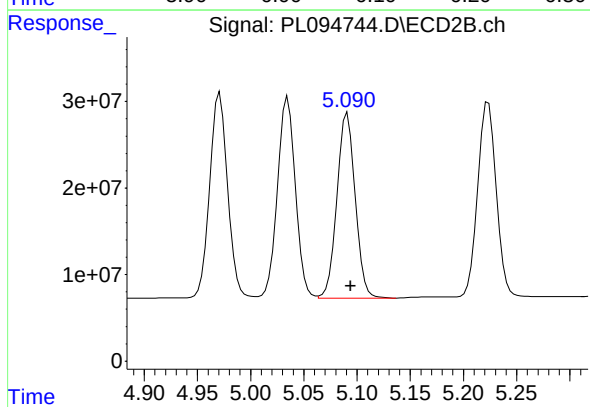
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 164960022
Conc: 53.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

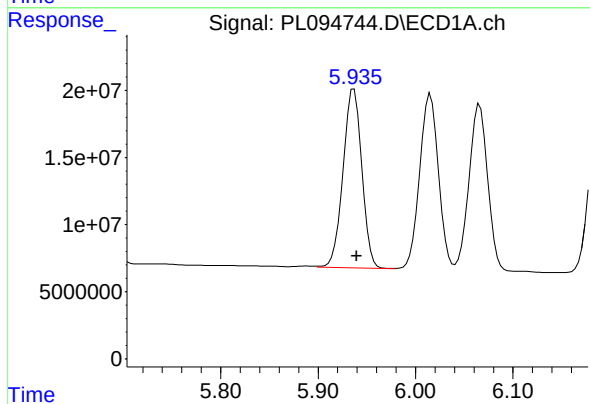
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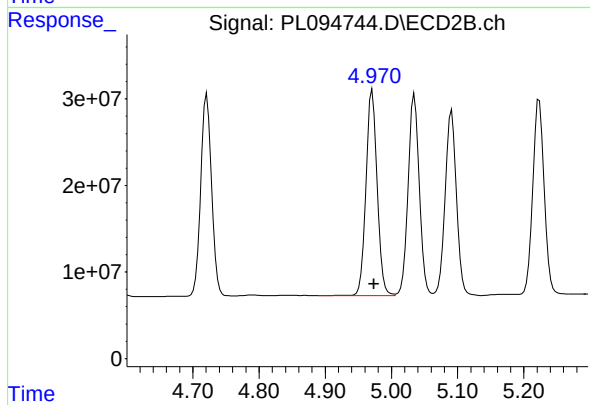
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 256019838
Conc: 58.34 ng/ml



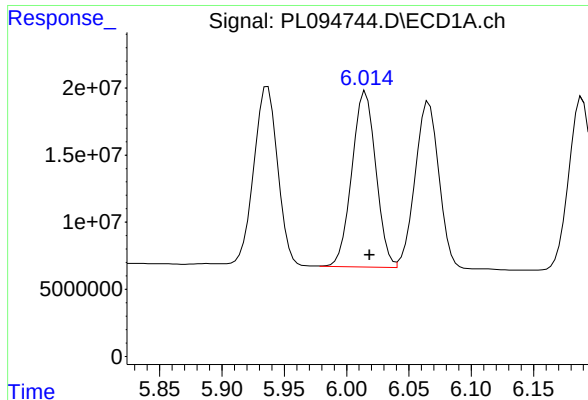
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 178724561
Conc: 53.04 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 280148710
Conc: 58.02 ng/ml



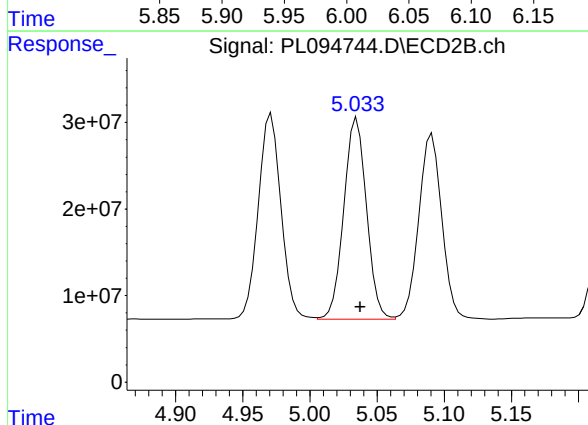
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 175398505
Conc: 53.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

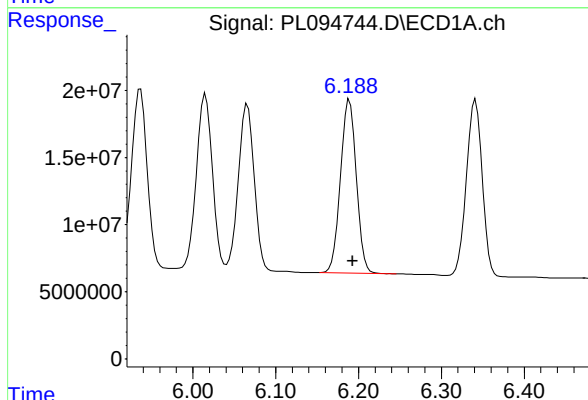
Manual Integrations
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Supervised By :mohammad ahmed 03/24/2025



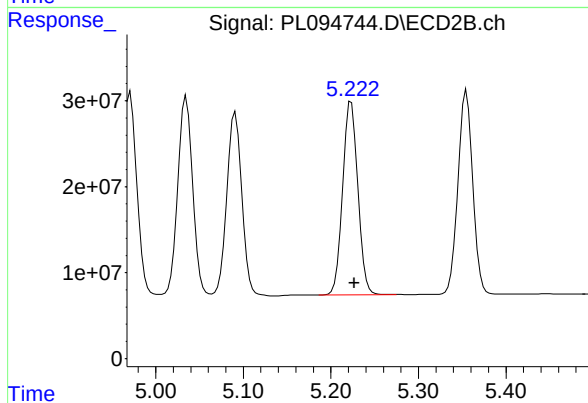
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 274889852
Conc: 57.60 ng/ml



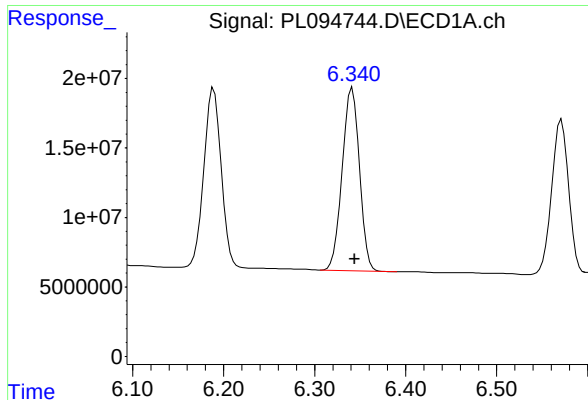
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 171870252
Conc: 58.42 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 271875211
Conc: 58.49 ng/ml m



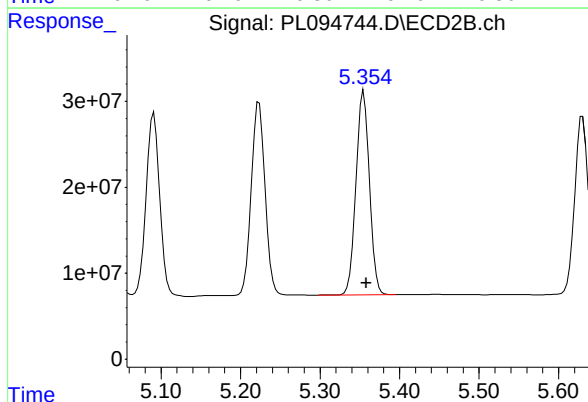
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 174159484
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

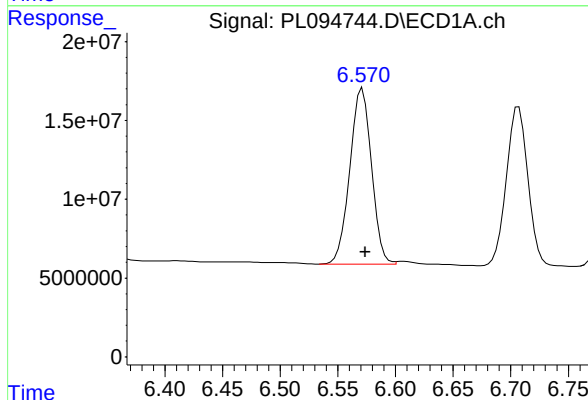
Manual Integrations
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Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



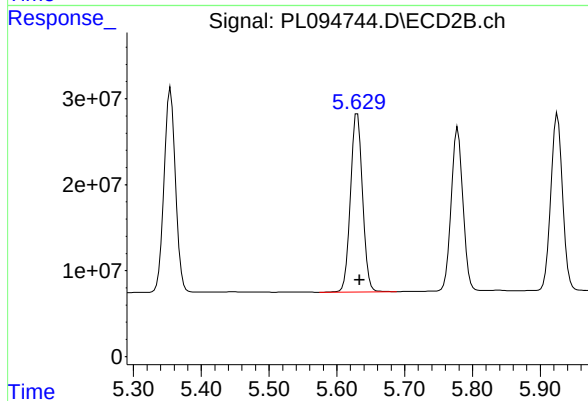
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 279100425
Conc: 57.52 ng/ml



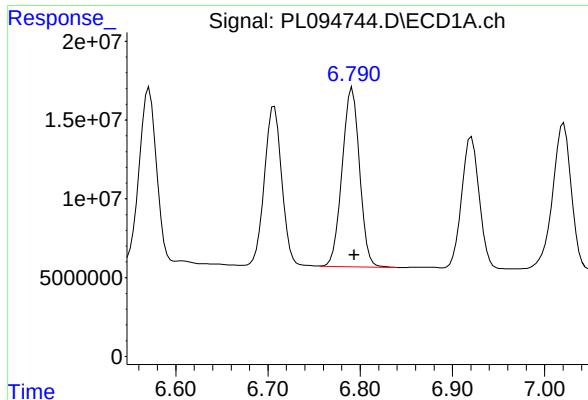
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 146008096
Conc: 52.67 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 253406863
Conc: 58.07 ng/ml



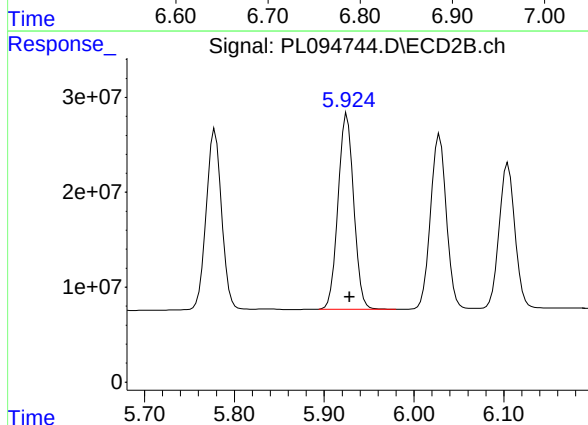
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 148866413
Conc: 54.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

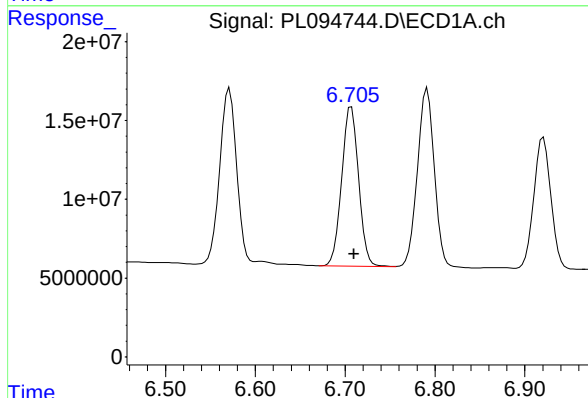
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



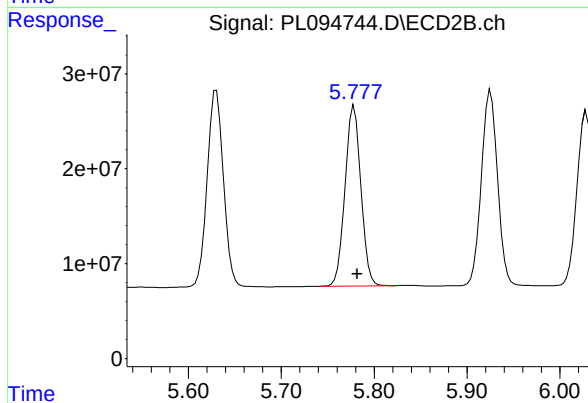
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 249511765
Conc: 57.65 ng/ml



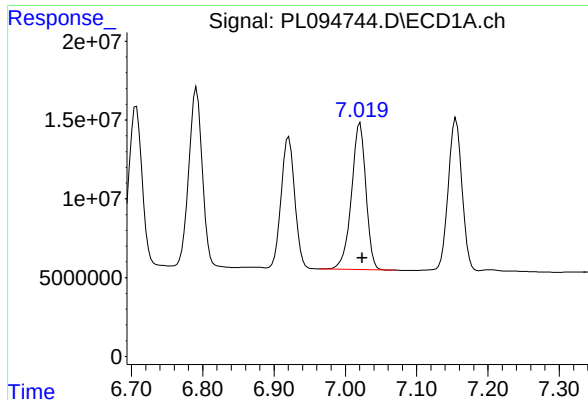
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 132261074
Conc: 61.06 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 225820149
Conc: 62.80 ng/ml



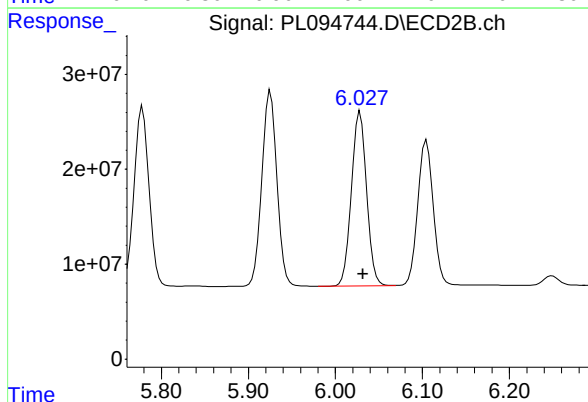
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 130739078
Conc: 54.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

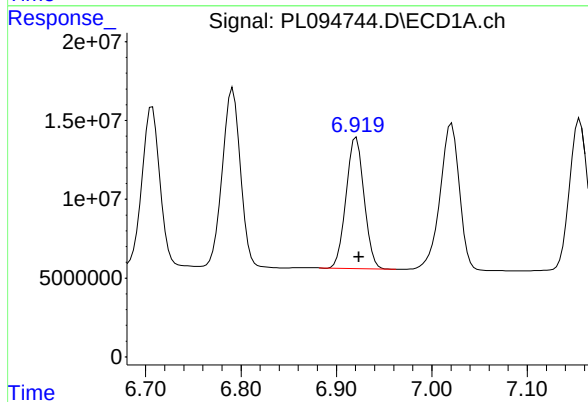
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



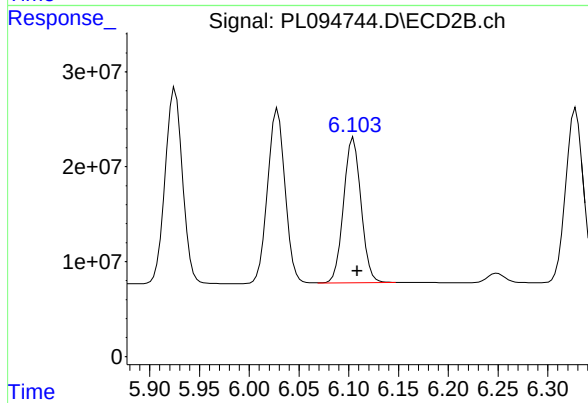
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 224180708
Conc: 55.60 ng/ml



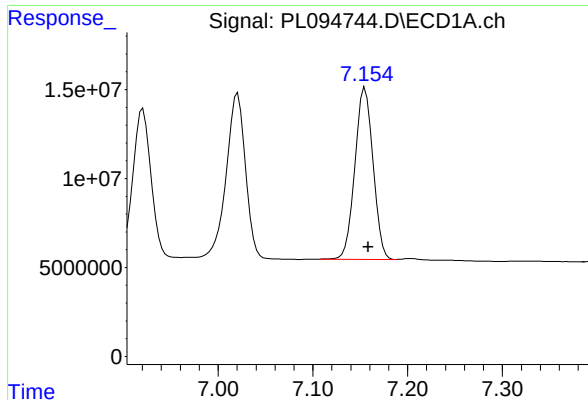
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 109602334
Conc: 51.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 187163287
Conc: 55.61 ng/ml



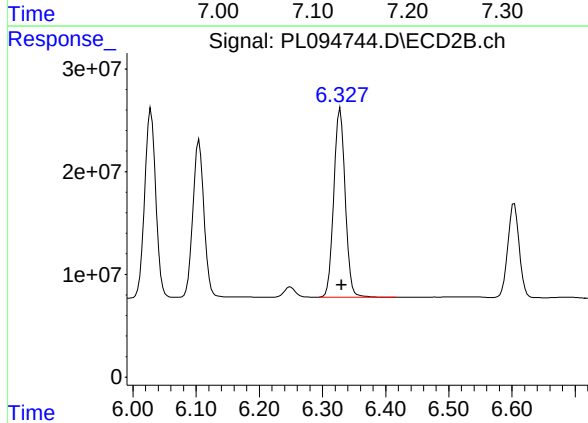
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 128926187
Conc: 53.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

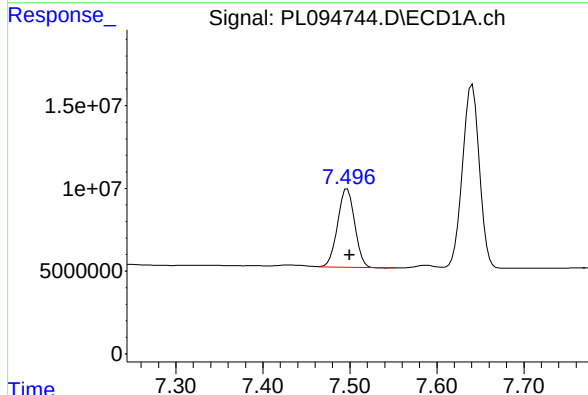
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



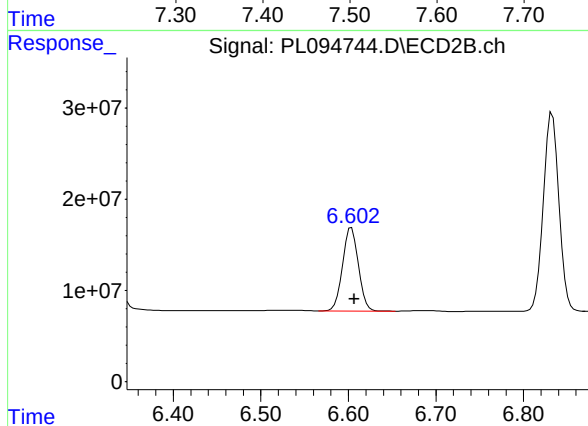
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 230769076
Conc: 56.65 ng/ml



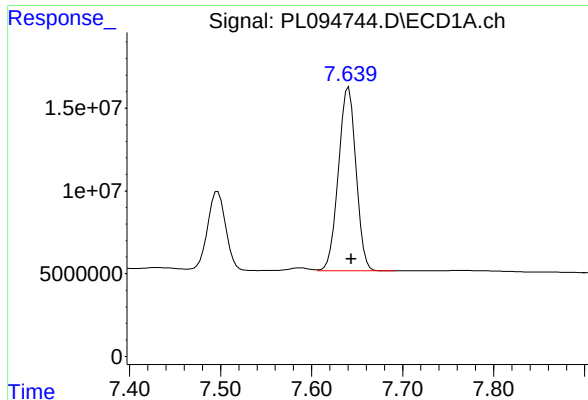
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 64681005
Conc: 54.03 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 114939628
Conc: 54.19 ng/ml



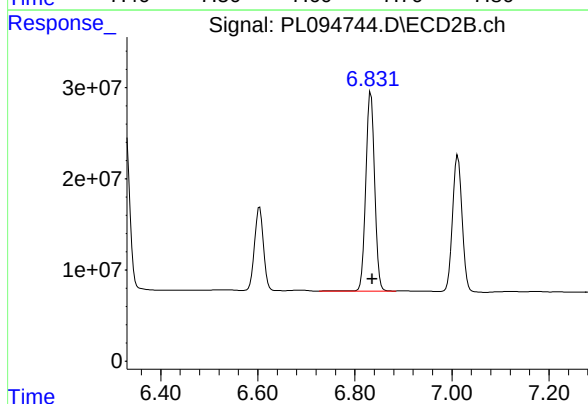
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 148886970
Conc: 56.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

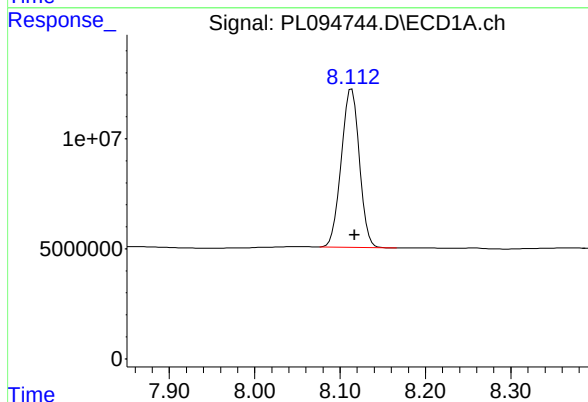
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



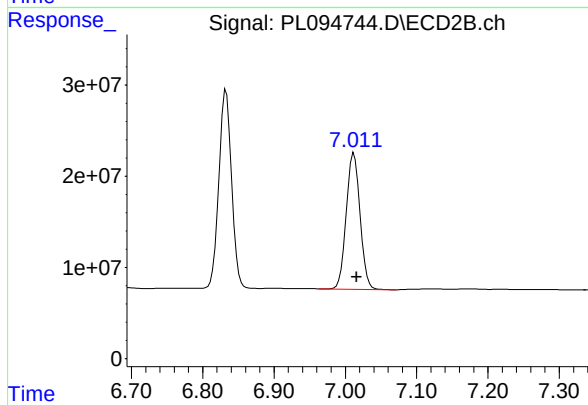
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 270480470
Conc: 56.67 ng/ml



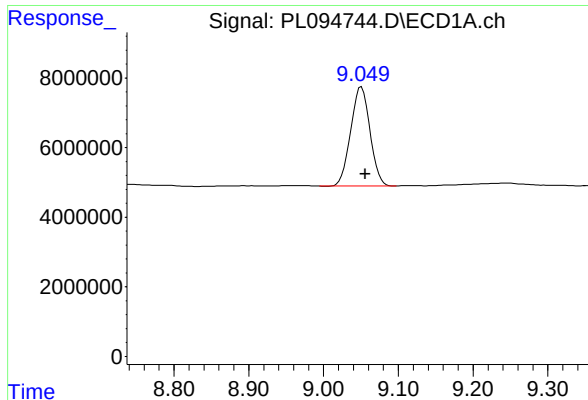
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 105925270
Conc: 51.26 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 200947250
Conc: 52.95 ng/ml



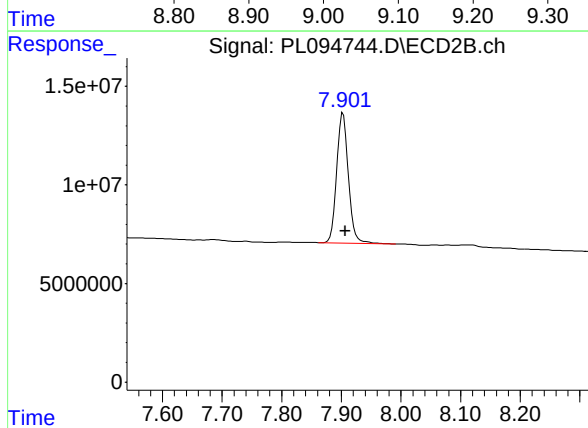
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 51086676
Conc: 24.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 90008863
Conc: 22.28 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/13/25
Project:	Fort Meade MD Tipton Airfield Parcel RI - 0111169	Date Received:	03/14/25
Client Sample ID:	TAP-IDW-SOIL-031325-01MSD	SDG No.:	Q1569
Lab Sample ID:	Q1569-02MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094745.D	1	03/19/25 11:40	03/19/25 17:55	PB167215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	5.30		0.037	0.10	0.50	ug/L
76-44-8	Heptachlor	4.80		0.027	0.10	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.096	0.25	0.50	ug/L
72-20-8	Endrin	5.20		0.032	0.10	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.70	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.88	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.1		30 - 135		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		44 - 124		100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094745.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 17:55
 Operator : AR\AJ
 Sample : Q1569-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-01MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/20/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:06:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.540	2.770	56699222	70383123	20.030	19.719
28) SA Decachlor...	9.055	7.904	48734011	83552862	23.125	20.685
Target Compounds						
2) A alpha-BHC	3.997	3.270	199.7E6	282.8E6	48.102	52.461m
3) MA gamma-BHC...	4.328	3.600	196.1E6	270.4E6	49.134m	52.609m
4) MA Heptachlor	4.916	3.939	173.3E6	251.4E6	44.648	47.718
5) MB Aldrin	5.258	4.218	164.7E6	227.3E6	44.618	46.613
6) B beta-BHC	4.528	3.902	88969906	120.1E6	48.216	54.049
7) B delta-BHC	4.774	4.131	179.0E6	218.6E6	45.969	43.699
8) B Heptachlo...	5.684	4.720	161.3E6	241.3E6	48.231	52.692m
9) A Endosulfan I	6.070	5.091	149.8E6	233.1E6	48.788	53.109
10) B gamma-Chl...	5.941	4.971	161.9E6	254.0E6	48.047	52.600
11) B alpha-Chl...	6.019	5.035	159.2E6	250.2E6	48.301	52.422
12) B 4,4'-DDE	6.193	5.222	155.6E6	247.6E6	52.873	53.265m
13) MA Dieldrin	6.345	5.355	157.5E6	254.1E6	49.239	52.381
14) MA Endrin	6.572	5.631	130.1E6	228.1E6	46.919m	52.273
15) B Endosulfa...	6.795	5.926	137.7E6	226.1E6	50.717	52.240
16) A 4,4'-DDD	6.710	5.779	122.3E6	205.7E6	56.483	57.211
17) MA 4,4'-DDT	7.023	6.029	119.1E6	203.0E6	50.060	50.349
18) B Endrin al...	6.925	6.106	101.4E6	170.1E6	48.021	50.559
19) B Endosulfa...	7.160	6.328	118.3E6	210.5E6	48.638	51.684
20) A Methoxychlor	7.501	6.604	59699091	106.1E6	49.871	50.019
21) B Endrin ke...	7.645	6.833	138.6E6	245.2E6	52.417	51.368
22) Mirex	8.116	7.013	98405618	180.7E6	47.624	47.607

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094745.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:55
Operator : AR\AJ
Sample : Q1569-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

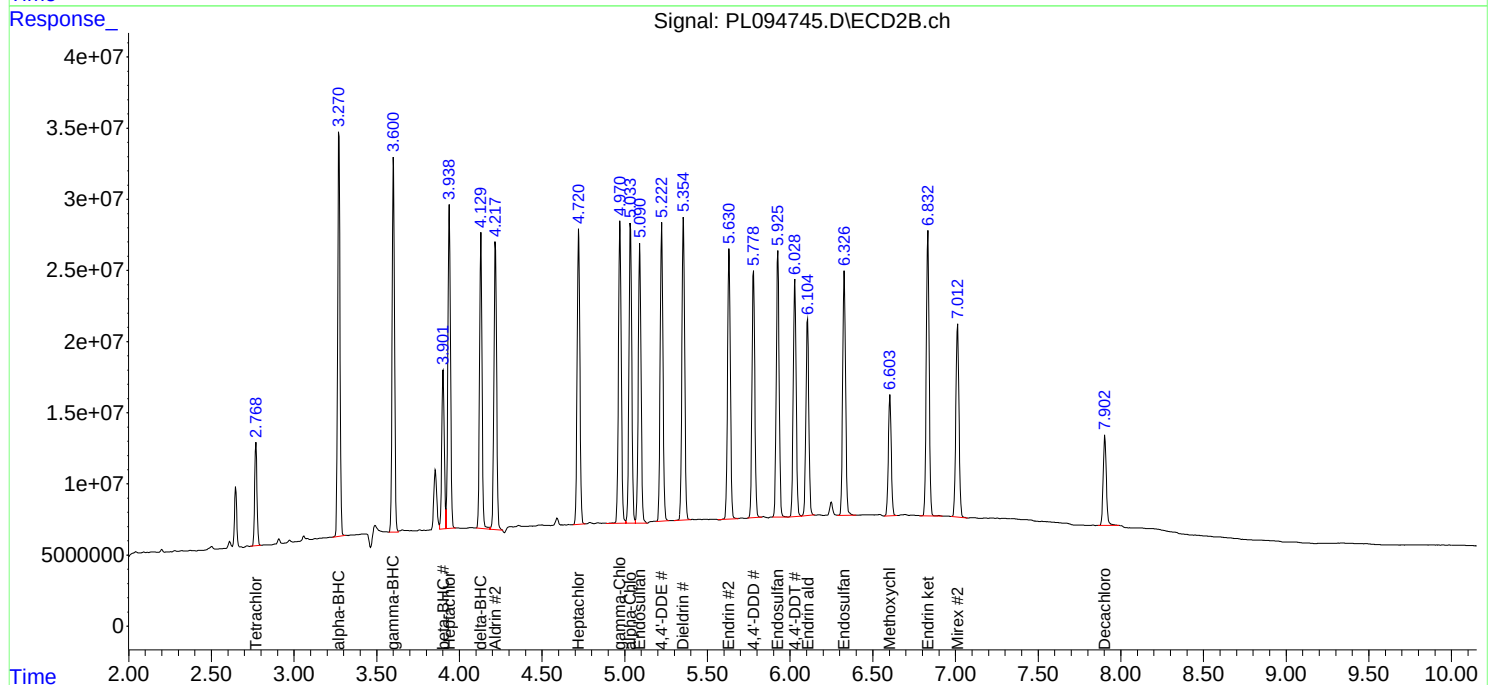
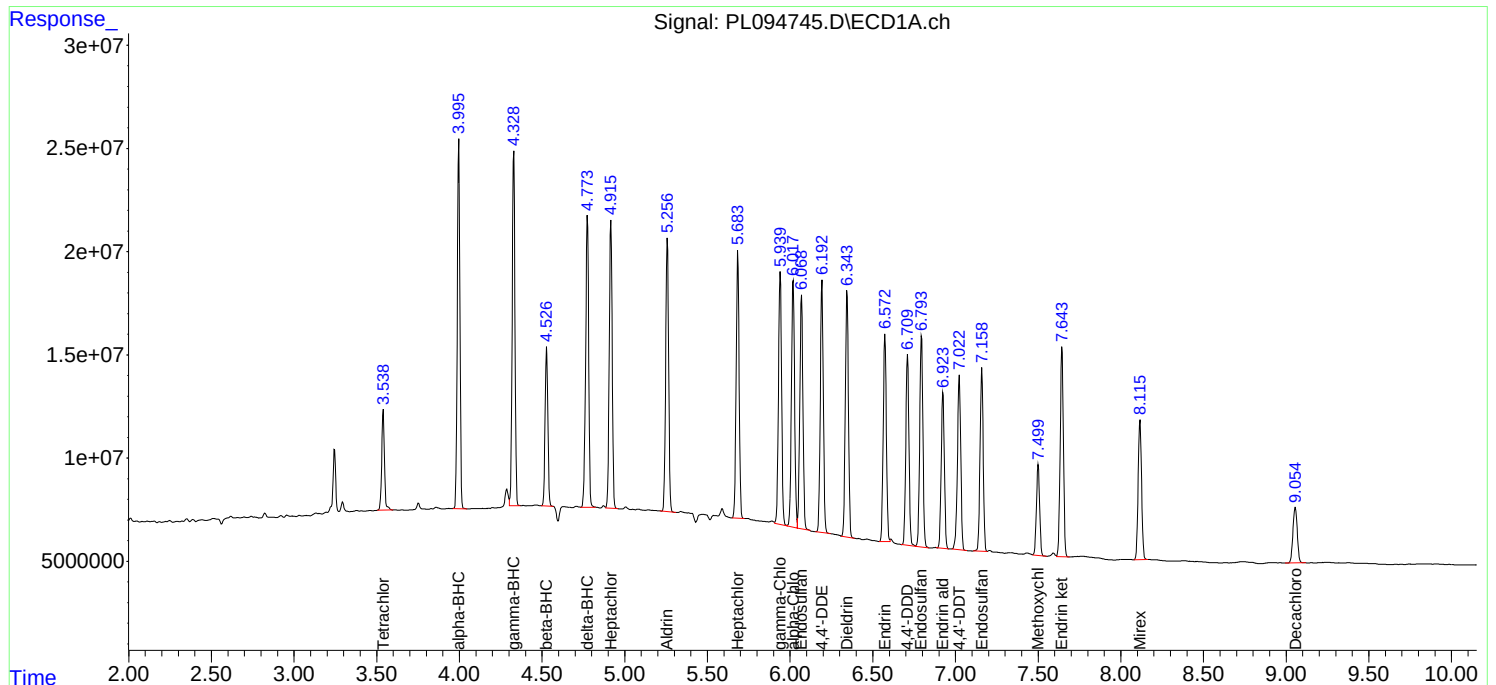
Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

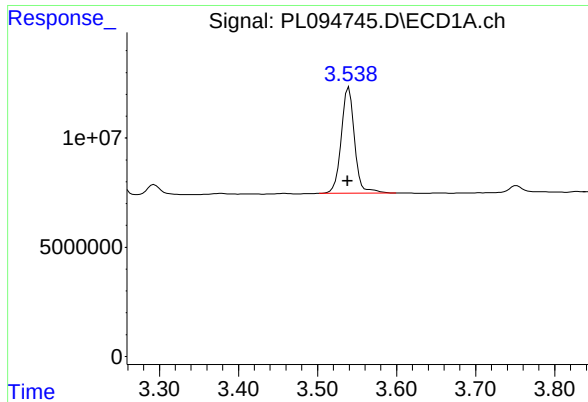
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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.: 3.540 min
Delta R.T.: 0.002 min
Response: 56699222
Conc: 20.03 ng/ml

Instrument :

ECD_L

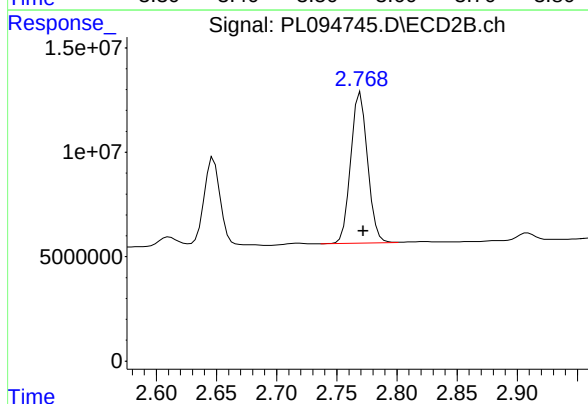
ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

Manual Integrations
APPROVED

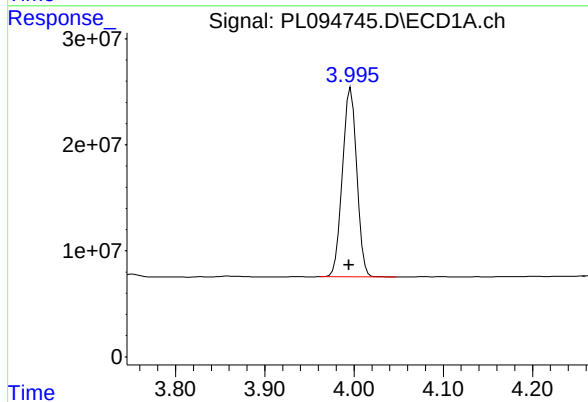
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025



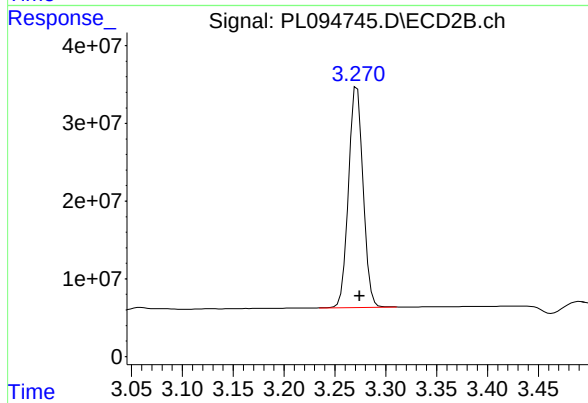
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 70383123
Conc: 19.72 ng/ml



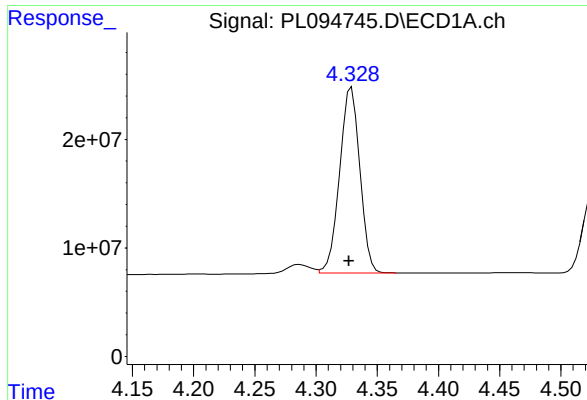
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 199734936
Conc: 48.10 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 282834150
Conc: 52.46 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 196056107
Conc: 49.13 ng/ml

Instrument :

ECD_L

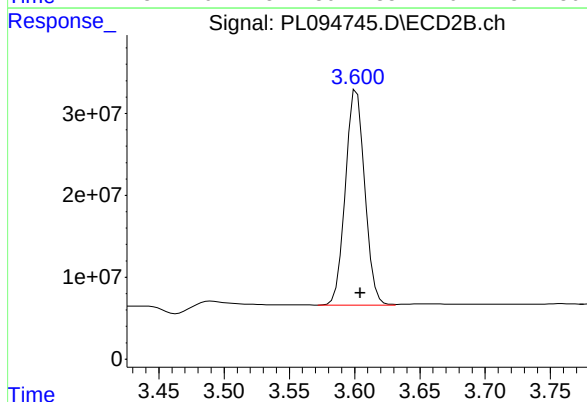
ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

Manual Integrations
APPROVED

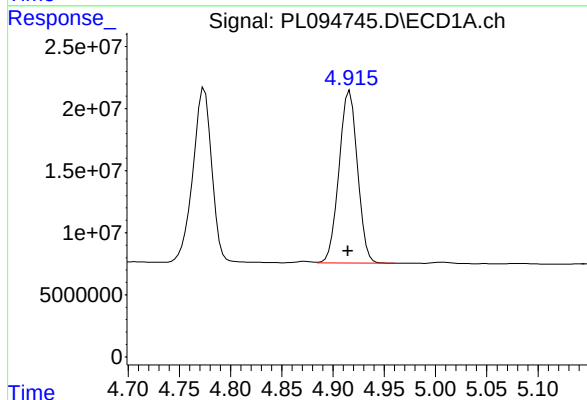
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025



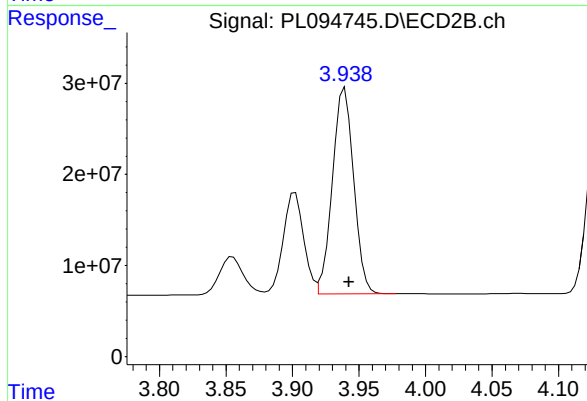
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 270380185
Conc: 52.61 ng/ml



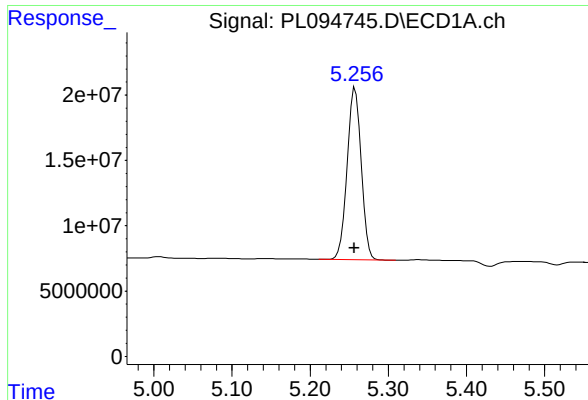
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 173306060
Conc: 44.65 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 251407772
Conc: 47.72 ng/ml



#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.001 min
Response: 164740392
Conc: 44.62 ng/ml

Instrument :

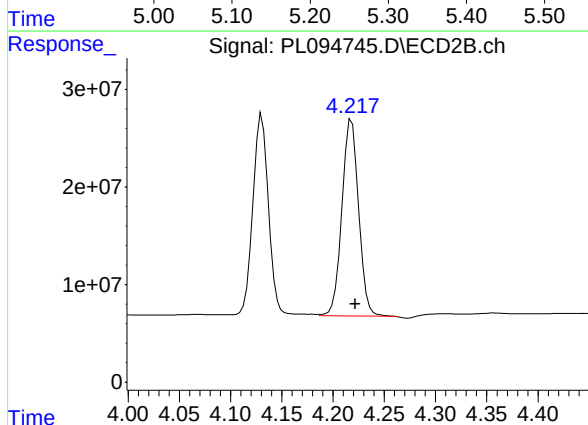
ECD_L

ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

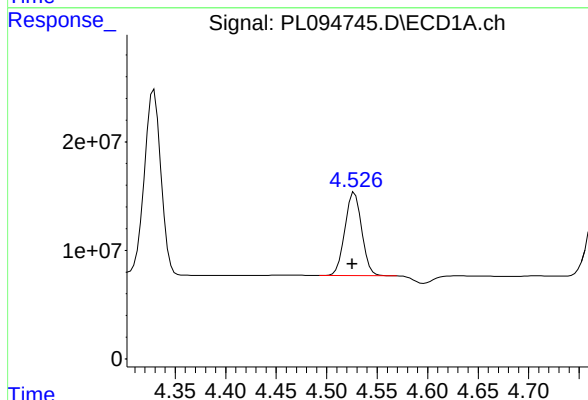
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



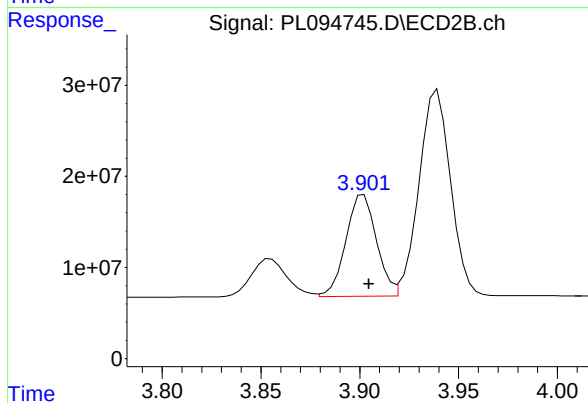
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 227299037
Conc: 46.61 ng/ml



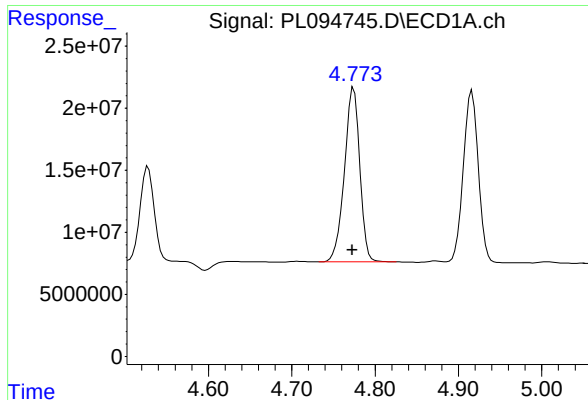
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.002 min
Response: 88969906
Conc: 48.22 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 120059120
Conc: 54.05 ng/ml



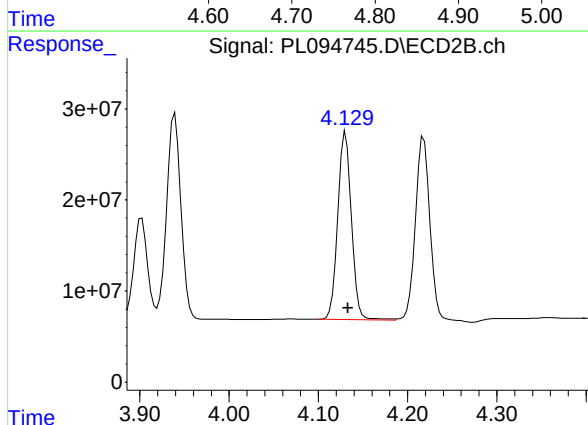
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 179016537
Conc: 45.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

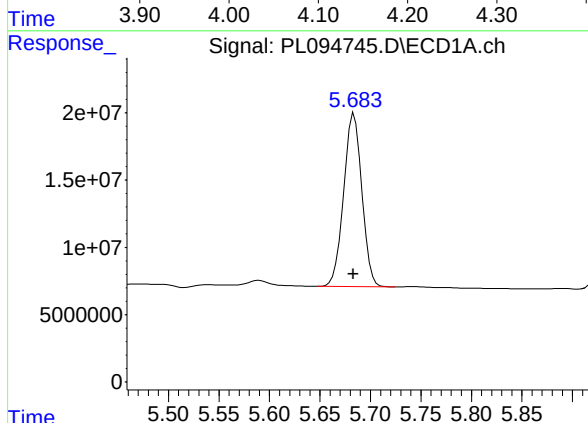
Manual Integrations
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Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



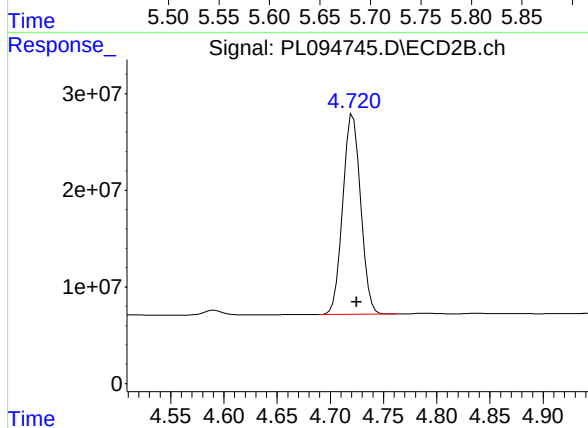
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 218580866
Conc: 43.70 ng/ml



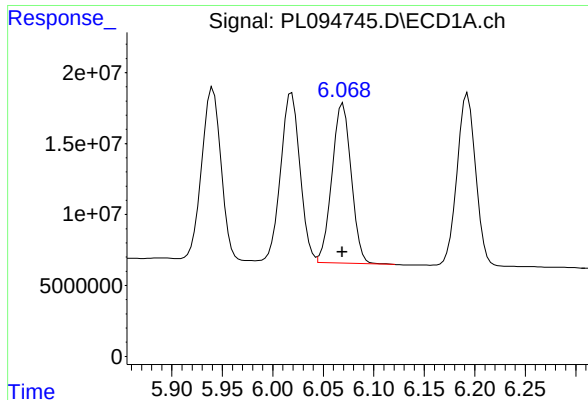
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 161342869
Conc: 48.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 241253358
Conc: 52.69 ng/ml m



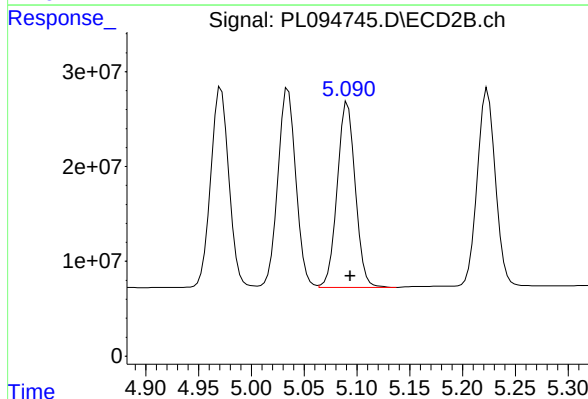
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 149788358
Conc: 48.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

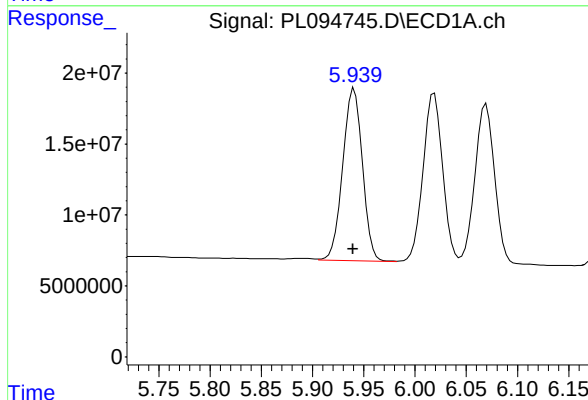
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



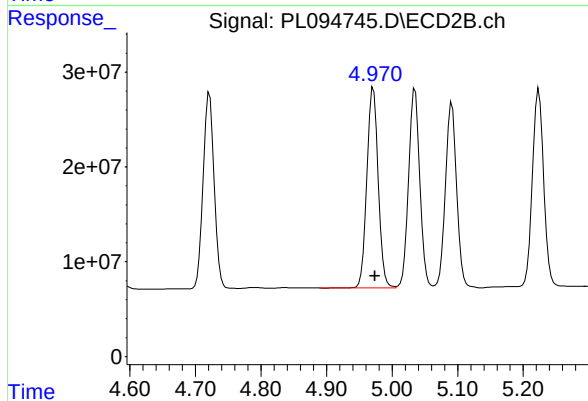
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 233079819
Conc: 53.11 ng/ml



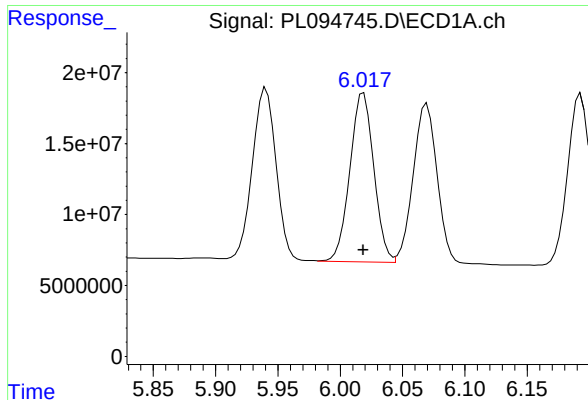
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.001 min
Response: 161888082
Conc: 48.05 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 253975207
Conc: 52.60 ng/ml



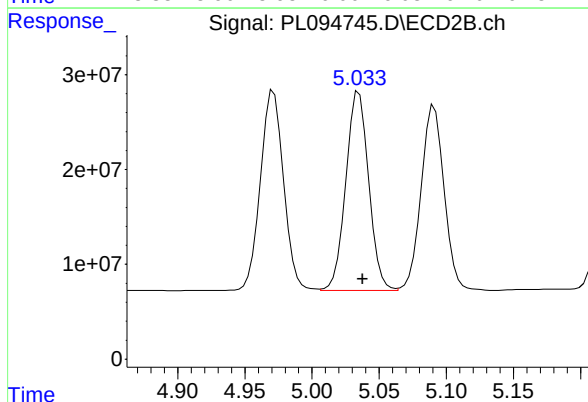
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 159241455
Conc: 48.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

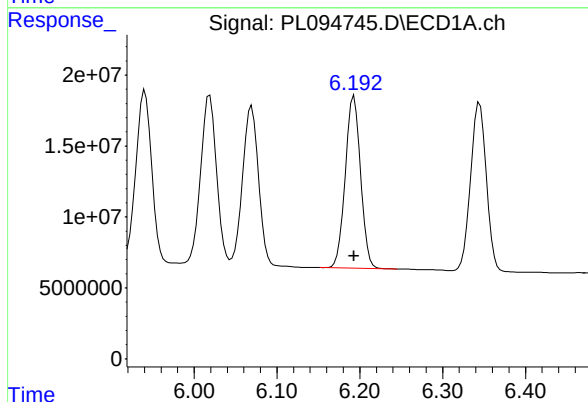
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



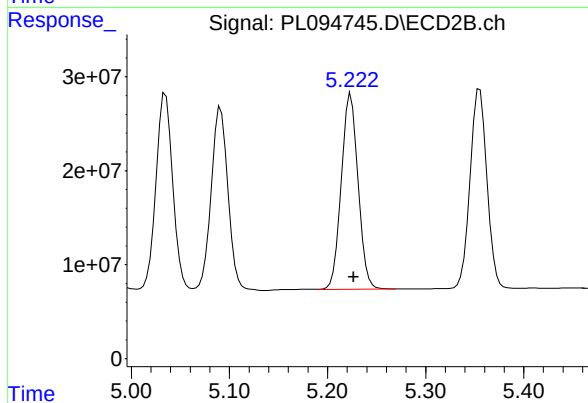
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 250200428
Conc: 52.42 ng/ml



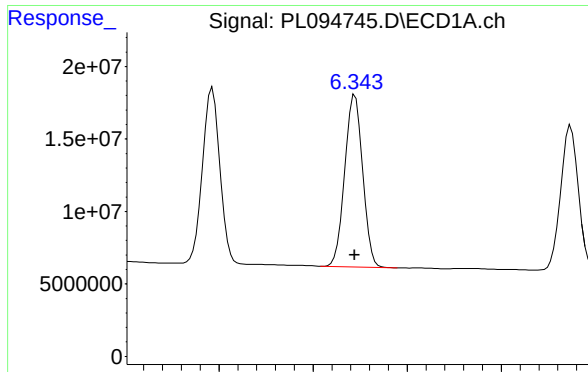
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 155554096
Conc: 52.87 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.004 min
Response: 247602468
Conc: 53.26 ng/ml m



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 157471842
Conc: 49.24 ng/ml

Instrument :

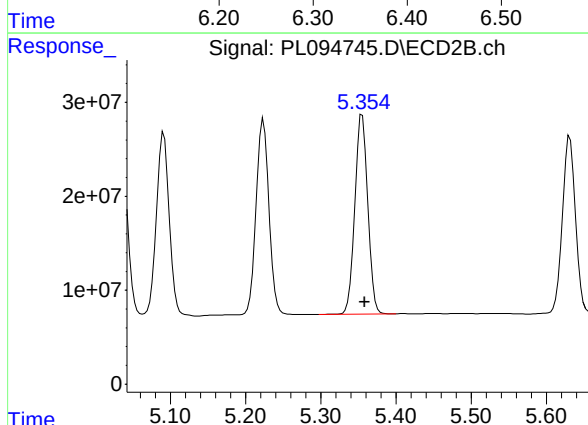
ECD_L

ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

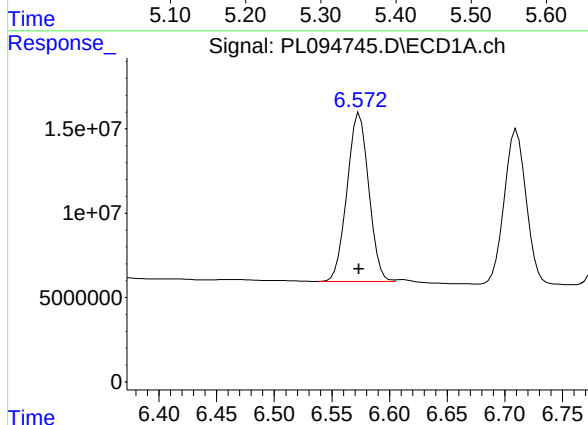
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



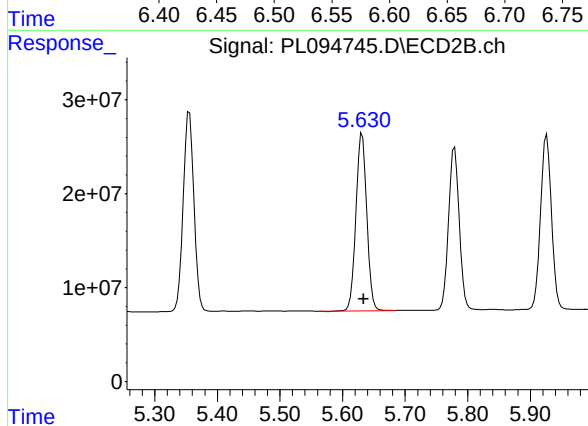
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 254143803
Conc: 52.38 ng/ml



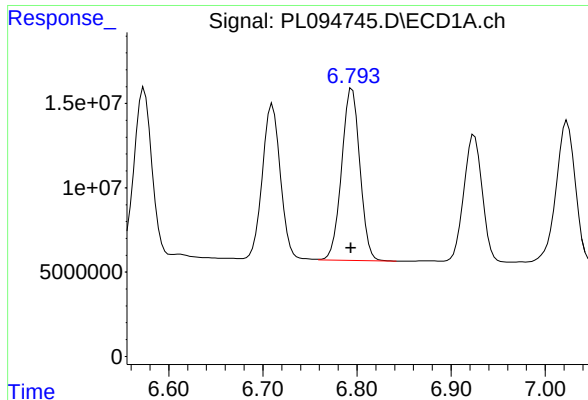
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.001 min
Response: 130062630
Conc: 46.92 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 228100260
Conc: 52.27 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.001 min
Response: 137684728
Conc: 50.72 ng/ml

Instrument :

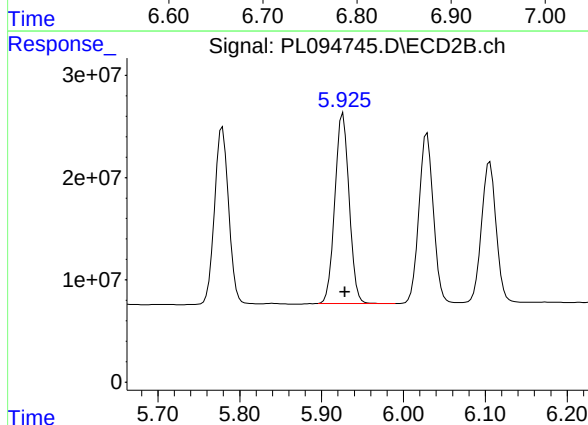
ECD_L

ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

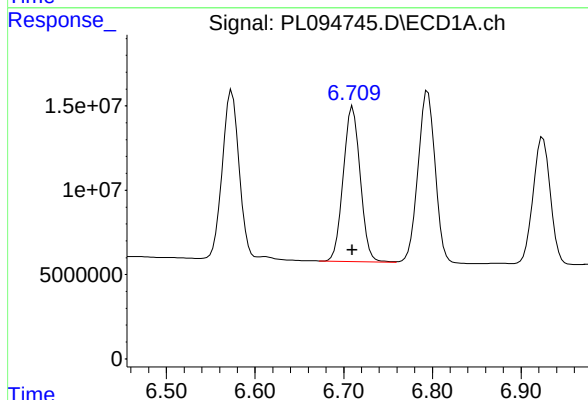
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



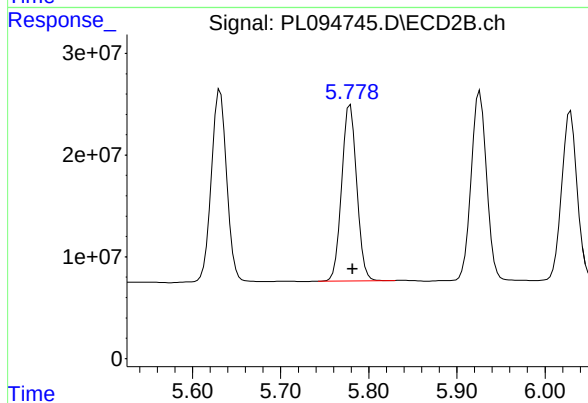
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 226108290
Conc: 52.24 ng/ml



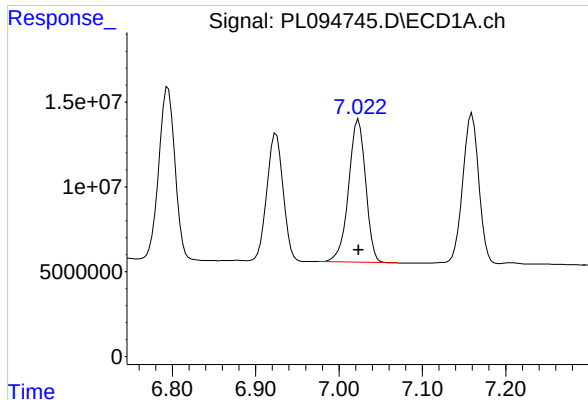
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 122345402
Conc: 56.48 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 205726025
Conc: 57.21 ng/ml



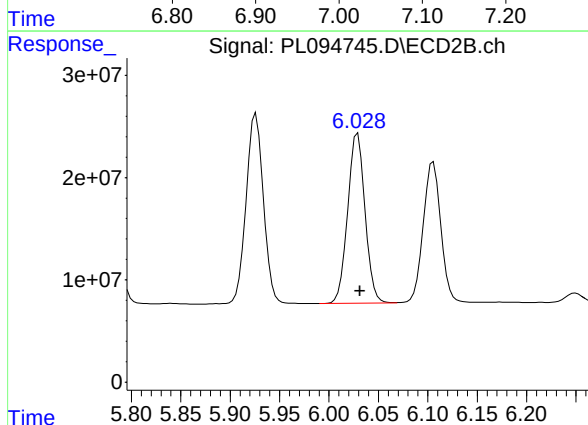
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 119070082
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

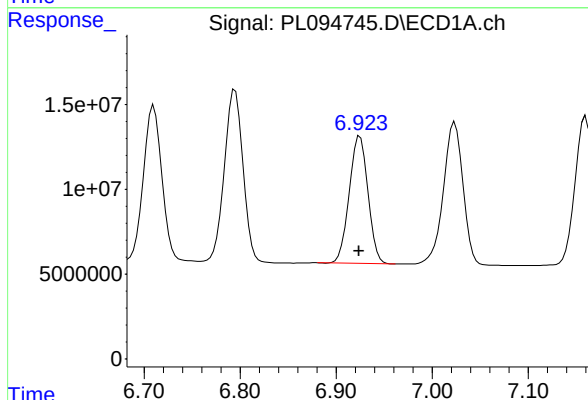
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



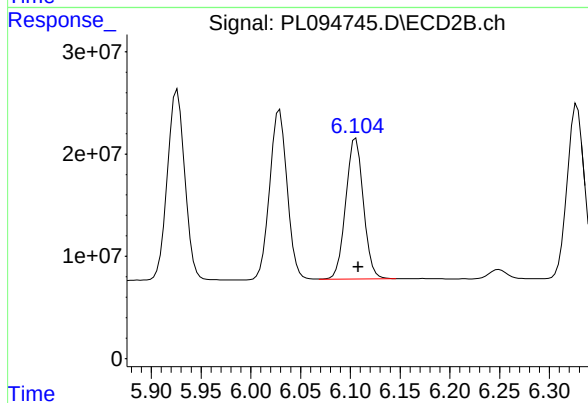
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 203011064
Conc: 50.35 ng/ml



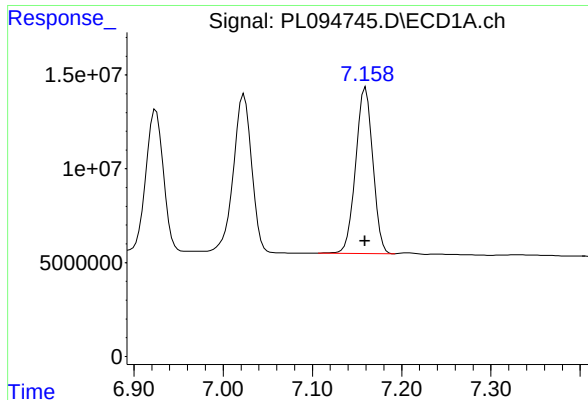
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 101371636
Conc: 48.02 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 170148523
Conc: 50.56 ng/ml



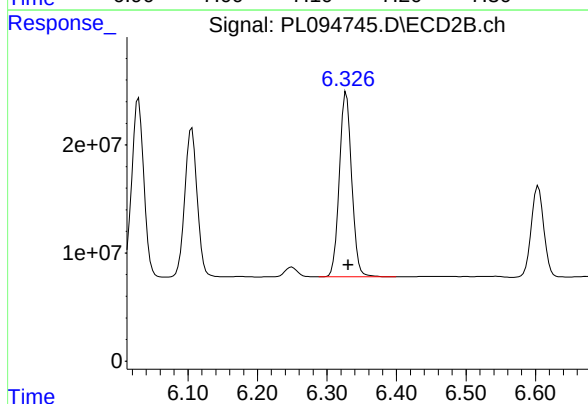
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.001 min
Response: 118287536
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

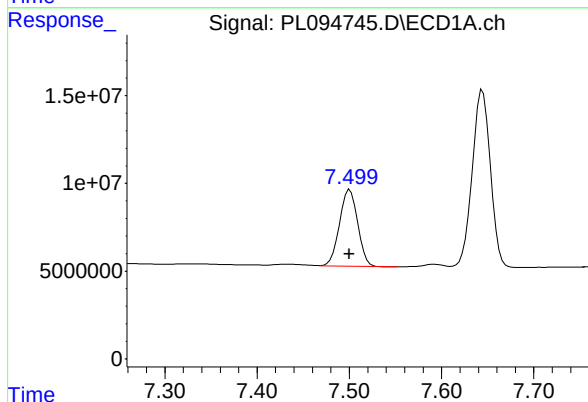
Manual Integrations
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Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



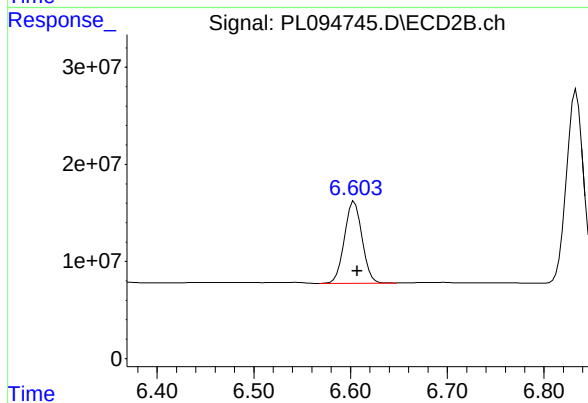
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 210529496
Conc: 51.68 ng/ml



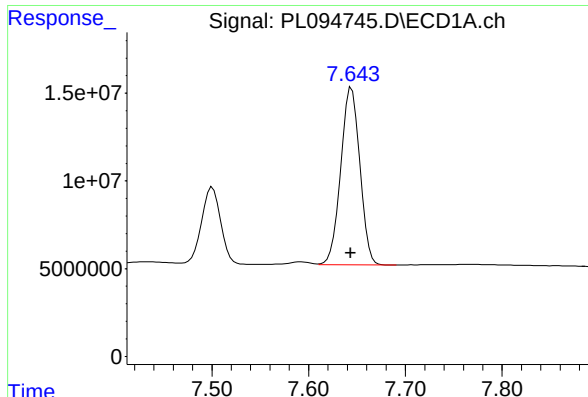
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 59699091
Conc: 49.87 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 106092993
Conc: 50.02 ng/ml



#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 138552669
Conc: 52.42 ng/ml

Instrument :

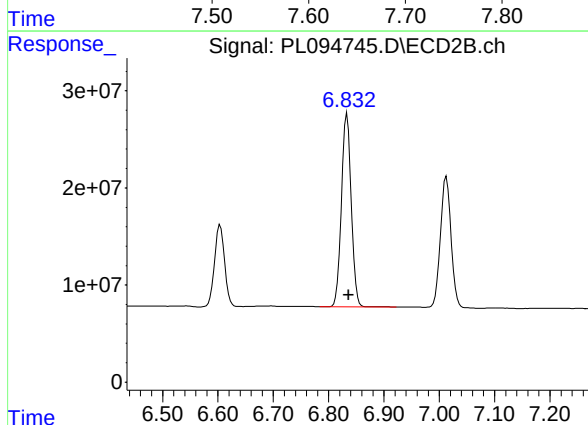
ECD_L

ClientSampleId :

TAP-IDW-SOIL-031325-01MSD

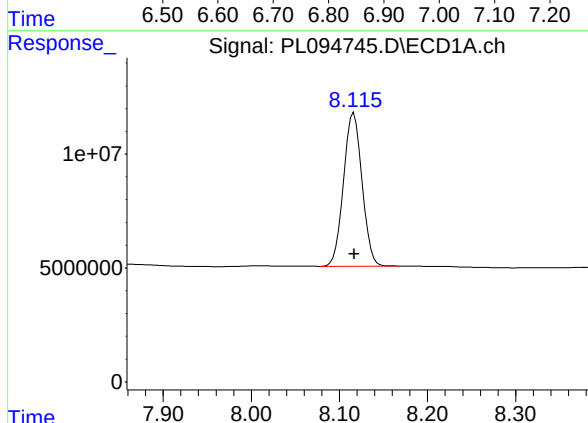
Manual Integrations
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Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



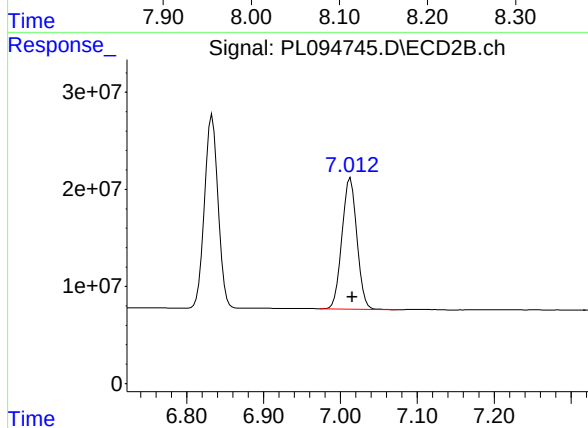
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 245157073
Conc: 51.37 ng/ml



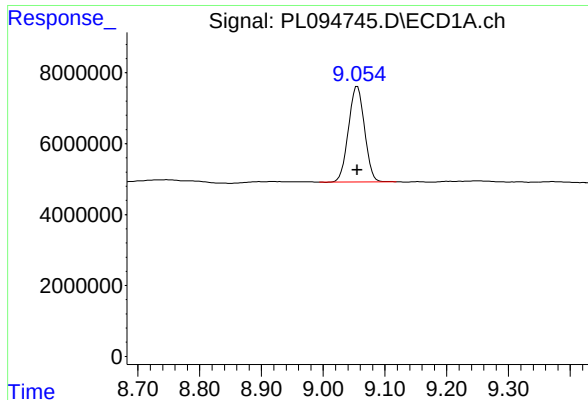
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 98405618
Conc: 47.62 ng/ml



#22 Mirex

R.T.: 7.013 min
Delta R.T.: -0.003 min
Response: 180682107
Conc: 47.61 ng/ml



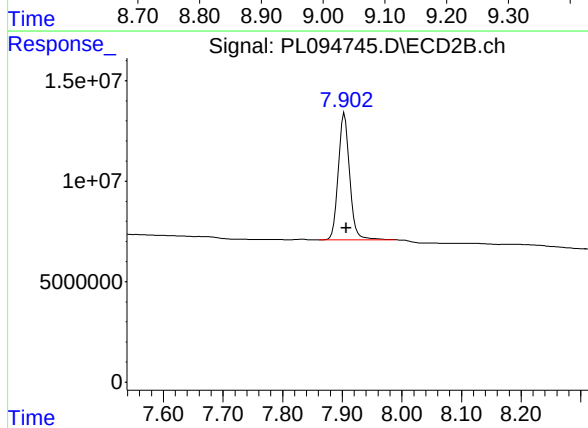
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 48734011
Conc: 23.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 83552862
Conc: 20.68 ng/ml

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:	pl031925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094732.D	4,4"-DDE	Abdul	3/20/2025 8:33:24 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094732.D	4,4"-DDE #2	Abdul	3/20/2025 8:33:24 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094732.D	Decachlorobiphenyl #2	Abdul	3/20/2025 8:33:24 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094732.D	Endrin	Abdul	3/20/2025 8:33:24 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094732.D	Endrin aldehyde	Abdul	3/20/2025 8:33:24 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094733.D	4,4"-DDE #2	Abdul	3/20/2025 8:33:28 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094733.D	Dieldrin #2	Abdul	3/20/2025 8:33:28 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094733.D	Endrin	Abdul	3/20/2025 8:33:28 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094733.D	Endrin #2	Abdul	3/20/2025 8:33:28 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094738.D	4,4"-DDE #2	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094738.D	Decachlorobiphenyl #2	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094738.D	Dieldrin #2	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094738.D	Endrin	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software

Manual Integration Report

Sequence:	pl031925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094738.D	Endrin ketone #2	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094738.D	gamma-Chlordane #2	Abdul	3/20/2025 8:33:46 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PB167215BS	PL094740.D	Endrin	Abdul	3/20/2025 8:33:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PB167215BS	PL094740.D	Endrin ketone #2	Abdul	3/20/2025 8:33:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PB167215BS	PL094740.D	Heptachlor epoxide #2	Abdul	3/20/2025 8:33:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PB167215BS	PL094740.D	Mirex #2	Abdul	3/20/2025 8:33:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02	PL094743.D	Tetrachloro-m-xylene	Abdul	3/20/2025 8:33:54 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MS	PL094744.D	4,4"-DDE #2	Abdul	3/20/2025 8:33:57 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MS	PL094744.D	alpha-BHC #2	Abdul	3/20/2025 8:33:57 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MS	PL094744.D	Endrin	Abdul	3/20/2025 8:33:57 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MS	PL094744.D	gamma-BHC (Lindane)	Abdul	3/20/2025 8:33:57 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MS	PL094744.D	gamma-BHC (Lindane) #2	Abdul	3/20/2025 8:33:57 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MSD	PL094745.D	4,4"-DDE #2	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software

Manual Integration Report

Sequence:	pl031925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1569-02MSD	PL094745.D	alpha-BHC #2	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MSD	PL094745.D	Endrin	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MSD	PL094745.D	gamma-BHC (Lindane)	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MSD	PL094745.D	gamma-BHC (Lindane) #2	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-02MSD	PL094745.D	Heptachlor epoxide #2	Abdul	3/20/2025 8:34:02 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
Q1569-05	PL094746.D	Tetrachloro-m-xylene #2	Abdul	3/20/2025 8:34:05 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094751.D	4,4"-DDE	Abdul	3/20/2025 8:34:16 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094751.D	4,4"-DDE #2	Abdul	3/20/2025 8:34:16 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094751.D	Endrin	Abdul	3/20/2025 8:34:16 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094751.D	Endrin ketone #2	Abdul	3/20/2025 8:34:16 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PEM	PL094751.D	Methoxychlor #2	Abdul	3/20/2025 8:34:16 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094752.D	4,4"-DDE #2	Abdul	3/20/2025 8:34:20 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094752.D	Dieldrin #2	Abdul	3/20/2025 8:34:20 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software

Manual Integration Report

Sequence:	pl031925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094752.D	Endosulfan I #2	Abdul	3/20/2025 8:34:20 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094752.D	gamma-Chlordane #2	Abdul	3/20/2025 8:34:20 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094752.D	Heptachlor epoxide #2	Abdul	3/20/2025 8:34:20 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094760.D	4,4"-DDE #2	Abdul	3/20/2025 8:34:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094760.D	Dieldrin #2	Abdul	3/20/2025 8:34:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software
PSTDCCC050	PL094760.D	Mirex #2	Abdul	3/20/2025 8:34:50 AM	mohammad	3/24/2025 3:02:14	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031925

Review By	Abdul	Review On	3/20/2025 8:35:13 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:14 AM
SubDirectory	PL031925	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094730.D	19 Mar 2025 08:41	AR\AJ	Ok
2	I.BLK	PL094731.D	19 Mar 2025 08:55	AR\AJ	Ok
3	PEM	PL094732.D	19 Mar 2025 09:09	AR\AJ	Ok,M
4	PSTDCCC050	PL094733.D	19 Mar 2025 13:42	AR\AJ	Ok,M
5	Q1592-01RE	PL094734.D	19 Mar 2025 14:06	AR\AJ	Confirms
6	Q1592-01MSRE	PL094735.D	19 Mar 2025 14:20	AR\AJ	Confirms
7	Q1592-01MSDRE	PL094736.D	19 Mar 2025 14:34	AR\AJ	Confirms
8	I.BLK	PL094737.D	19 Mar 2025 14:48	AR\AJ	Ok
9	PSTDCCC050	PL094738.D	19 Mar 2025 15:02	AR\AJ	Ok,M
10	PB167215BL	PL094739.D	19 Mar 2025 16:27	AR\AJ	Ok
11	PB167215BS	PL094740.D	19 Mar 2025 16:40	AR\AJ	Ok,M
12	PB167133TB	PL094741.D	19 Mar 2025 16:54	AR\AJ	Ok
13	PB167193TB	PL094742.D	19 Mar 2025 17:08	AR\AJ	Ok
14	Q1569-02	PL094743.D	19 Mar 2025 17:22	AR\AJ	Ok,M
15	Q1569-02MS	PL094744.D	19 Mar 2025 17:36	AR\AJ	Ok,M
16	Q1569-02MSD	PL094745.D	19 Mar 2025 17:55	AR\AJ	Ok,M
17	Q1569-05	PL094746.D	19 Mar 2025 18:08	AR\AJ	Ok,M
18	Q1597-02	PL094747.D	19 Mar 2025 18:22	AR\AJ	Ok,M
19	Q1597-04	PL094748.D	19 Mar 2025 18:36	AR\AJ	Ok,M
20	Q1597-06	PL094749.D	19 Mar 2025 18:49	AR\AJ	Ok
21	I.BLK	PL094750.D	19 Mar 2025 19:03	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031925

Review By	Abdul	Review On	3/20/2025 8:35:13 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:14 AM
SubDirectory	PL031925	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PEM	PL094751.D	19 Mar 2025 19:17	AR\AJ	Ok,M
23	PSTDCCC050	PL094752.D	19 Mar 2025 19:31	AR\AJ	Ok,M
24	PB167204BL	PL094753.D	19 Mar 2025 19:44	AR\AJ	Ok
25	PB167204BS	PL094754.D	19 Mar 2025 19:58	AR\AJ	Ok,M
26	Q1598-01	PL094755.D	19 Mar 2025 20:12	AR\AJ	Ok,M
27	Q1598-03	PL094756.D	19 Mar 2025 20:25	AR\AJ	Ok,M
28	Q1598-03MS	PL094757.D	19 Mar 2025 20:39	AR\AJ	Ok,M
29	Q1598-03MSD	PL094758.D	19 Mar 2025 20:53	AR\AJ	Ok,M
30	I.BLK	PL094759.D	19 Mar 2025 21:20	AR\AJ	Ok
31	PSTDCCC050	PL094760.D	19 Mar 2025 21:34	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031925

Review By	Abdul	Review On	3/20/2025 8:35:13 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:14 AM
SubDirectory	PL031925	HP Acquire Method	HP Processing Method pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094730.D	19 Mar 2025 08:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094731.D	19 Mar 2025 08:55		AR\AJ	Ok
3	PEM	PEM	PL094732.D	19 Mar 2025 09:09		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094733.D	19 Mar 2025 13:42		AR\AJ	Ok,M
5	Q1592-01RE	OILY-DEBRIS-COMPR	PL094734.D	19 Mar 2025 14:06	TCMX high in both column , DCB high in 1st column	AR\AJ	Confirms
6	Q1592-01MSRE	OILY-DEBRIS-COMPR	PL094735.D	19 Mar 2025 14:20	TCMX high in both column , DCB high in 1st column, Comp#7,21 recovery fail	AR\AJ	Confirms
7	Q1592-01MSDRE	OILY-DEBRIS-COMPR	PL094736.D	19 Mar 2025 14:34	TCMX high i1st column , Comp#7,21 recovery fail	AR\AJ	Confirms
8	I.BLK	I.BLK	PL094737.D	19 Mar 2025 14:48		AR\AJ	Ok
9	PSTDCCC050	PSTDCCC050	PL094738.D	19 Mar 2025 15:02		AR\AJ	Ok,M
10	PB167215BL	PB167215BL	PL094739.D	19 Mar 2025 16:27		AR\AJ	Ok
11	PB167215BS	PB167215BS	PL094740.D	19 Mar 2025 16:40		AR\AJ	Ok,M
12	PB167133TB	PB167133TB	PL094741.D	19 Mar 2025 16:54		AR\AJ	Ok
13	PB167193TB	PB167193TB	PL094742.D	19 Mar 2025 17:08		AR\AJ	Ok
14	Q1569-02	TAP-IDW-SOIL-031325	PL094743.D	19 Mar 2025 17:22		AR\AJ	Ok,M
15	Q1569-02MS	TAP-IDW-SOIL-031325	PL094744.D	19 Mar 2025 17:36		AR\AJ	Ok,M
16	Q1569-02MSD	TAP-IDW-SOIL-031325	PL094745.D	19 Mar 2025 17:55		AR\AJ	Ok,M
17	Q1569-05	TAP-IDW-SOIL-031325	PL094746.D	19 Mar 2025 18:08		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031925

Review By	Abdul	Review On	3/20/2025 8:35:13 AM
Supervise By	mohammad	Supervise On	3/24/2025 3:02:14 AM
SubDirectory	PL031925	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1597-02	1-CONCRETE-SLAB	PL094747.D	19 Mar 2025 18:22		AR\AJ	Ok,M
19	Q1597-04	2-CONCRETE-SLAB	PL094748.D	19 Mar 2025 18:36		AR\AJ	Ok,M
20	Q1597-06	3-CONCRETE-SLAB	PL094749.D	19 Mar 2025 18:49		AR\AJ	Ok
21	I.BLK	I.BLK	PL094750.D	19 Mar 2025 19:03		AR\AJ	Ok
22	PEM	PEM	PL094751.D	19 Mar 2025 19:17		AR\AJ	Ok,M
23	PSTDCCC050	PSTDCCC050	PL094752.D	19 Mar 2025 19:31		AR\AJ	Ok,M
24	PB167204BL	PB167204BL	PL094753.D	19 Mar 2025 19:44		AR\AJ	Ok
25	PB167204BS	PB167204BS	PL094754.D	19 Mar 2025 19:58		AR\AJ	Ok,M
26	Q1598-01	ETGI-354	PL094755.D	19 Mar 2025 20:12		AR\AJ	Ok,M
27	Q1598-03	72-11944	PL094756.D	19 Mar 2025 20:25		AR\AJ	Ok,M
28	Q1598-03MS	72-11944MS	PL094757.D	19 Mar 2025 20:39	Comp#4 recovery fail	AR\AJ	Ok,M
29	Q1598-03MSD	72-11944MSD	PL094758.D	19 Mar 2025 20:53	Comp#4 recovery fail	AR\AJ	Ok,M
30	I.BLK	I.BLK	PL094759.D	19 Mar 2025 21:20		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL094760.D	19 Mar 2025 21:34		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 03/14/2025 Time : 14:00

End Prep Date : 03/15/2025 Time : 08:30

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature : 23 °C

Final Room Temperature : 22 °C

TCLP Technician Signature : *[Signature]*

Supervisor By : *[Signature]*

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
N/A	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked.30 rpm. Particle size reduction is not required. q1568-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/17/25 10:00	<i>[Signature]</i> /TCLP Room	<i>[Signature]</i> /EXT
	Preparation Group	Analysis Group

TCLP EXTRACTION LOGPAGE

PB167133

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167133TB	LEB133	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1507-04	50-MIDDLESEX-AVE	01	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1568-04	JC-03-03132025	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1569-02	TAP-IDW-SOIL-031325-01	03	100.01	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1569-05	TAP-IDW-SOIL-031325-02	04	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1574-02	WC1	05	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167133TB	LEB133	N/A	N/A	N/A	N/A	N/A	N/A
Q1507-04	50-MIDDLESEX-AVE	N/A	N/A	N/A	N/A	100	N/A
Q1568-04	JC-03-03132025	N/A	N/A	N/A	N/A	100	N/A
Q1569-02	TAP-IDW-SOIL-031325-01	N/A	N/A	N/A	N/A	100	N/A
Q1569-05	TAP-IDW-SOIL-031325-02	N/A	N/A	N/A	N/A	100	N/A
Q1574-02	WC1	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167133TB	LEB133	N/A	N/A	N/A	N/A	#1	4.93
Q1507-04	50-MIDDLESEX-AVE	5.02	96.5	7.0	2.5	#1	4.93
Q1568-04	JC-03-03132025	5.01	96.5	7.0	2.5	#1	4.93
Q1569-02	TAP-IDW-SOIL-031325-01	5.03	96.5	6.8	2.0	#1	4.93
Q1569-05	TAP-IDW-SOIL-031325-02	5.04	96.5	10.0	4.0	#1	4.93
Q1574-02	WC1	5.03	96.5	6.8	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1569

WorkList ID : 188283

Department : TCLP Extraction

Date : 03-14-2025 11:14:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1507-04	50-MIDDLESEX-AVE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1568-04	JC-03-03132025	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/13/2025	1311
Q1569-02	TAP-IDW-SOIL-031325-01	Solid	TCLP Extraction	Cool 4 deg C	WEST04	I33	03/13/2025	1311
Q1569-05	TAP-IDW-SOIL-031325-02	Solid	TCLP Extraction	Cool 4 deg C	WEST04		03/13/2025	1311
Q1574-02	WC1	Solid	TCLP Extraction	Cool 4 deg C	GENV01	I41	03/12/2025	1311

Date/Time 03/14/25 12:30

Raw Sample Received by: Jd coll

Raw Sample Relinquished by: CP SM

Date/Time 03/14/25

Raw Sample Received by: CP SM

Raw Sample Relinquished by: Jd coll

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,6,7

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

Extraction Start Date : 03/19/2025

Extraction Start Time : 11:40

Extraction End Date : 03/19/2025

Extraction End Time : 16:20

Concentration By: EH

Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3904
Baked Na2SO4	N/A	EP2595
Hexane	N/A	E3914
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/19/25	RS (Ext-lab)	Y-P.pesticides
16:25	Preparation Group	Analysis Group

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

Concentration Date: 03/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167133TB	PB167133TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB167193TB	PB167193TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB167215BL	PBLK215	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB167215BS	PLCS215	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
Q1569-02	TAP-IDW-SOIL-031325-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q1569-02MS	TAP-IDW-SOIL-031325-01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q1569-02MS D	TAP-IDW-SOIL-031325-01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q1569-05	TAP-IDW-SOIL-031325-02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q1597-02	1-CONCRETE-SLAB	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q1597-04	2-CONCRETE-SLAB	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q1597-06	3-CONCRETE-SLAB	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11

* Extracts relinquished on the same date as received.

Handwritten: 2/3/19/25

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167193TB	LEB193	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1590-01	3794	01	100.01	2000	N/A	N/A	N/A	5.0	1.5	T-1
Q1592-02	OILY-DEBRIS-COMP	02	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1597-02	1-CONCRETE-SLAB	03	100.03	2000	N/A	N/A	N/A	10.5	1.5	T-1
Q1597-04	2-CONCRETE-SLAB	04	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q1597-06	3-CONCRETE-SLAB	05	100.03	2000	N/A	N/A	N/A	11.0	1.5	T-1

03/19/2025
11:00

TCLP EXTRACTION LOGPAGE

PB167133

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prej Pos
PB167133TB	LEB133	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1507-04	50-MIDDLESEX-AVE	01	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1568-04	JC-03-03132025	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1569-02	TAP-IDW-SOIL-031325-01	03	100.01	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1569-05	TAP-IDW-SOIL-031325-02	04	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1574-02	WC1	05	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1

03/17/25
70:00

Prep Standard - Chemical Standard Summary

Order ID : Q1569
Test : TCLP Pesticide
Prepbatch ID : PB167215,
Sequence ID/Qc Batch ID: pl031925,

Standard ID :
EP2595,PP23733,PP23793,PP24095,PP24217,PP24255,PP24256,PP24257,PP242583,PP24259,PP24260,PP24261,
PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,
PP24278,PP24279,PP24280,PP24281,PP24282,PP24284,PP24285,

Chemical ID :
E3551,E3805,E3847,E3876,E3877,E3904,E3914,P12603,P12611,P13037,P13040,P13195,P13245,P13350,P13354,P1
3405,P13785,P13861,P9052,

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	EP2595	03/17/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/17/2025

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	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	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

<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	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

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	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

CHEMICAL RECEIPT LOG BOOK

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	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	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052



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

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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

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

RC-02-01, Ed. 3

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

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

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

Recd. by RP on 2/12/25

E 3876

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

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01 %

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

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

E3904

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

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

RESTEK

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

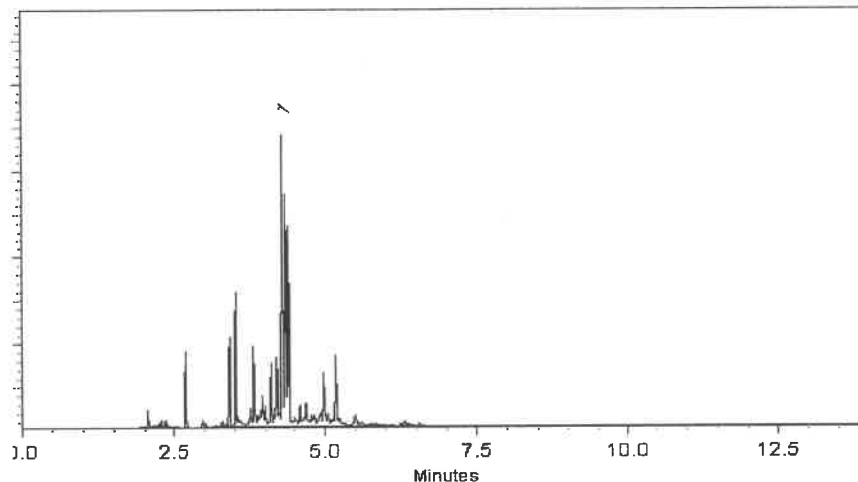
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

CRm
P 12611
↓
P 12615
⑤
CRout
7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

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

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

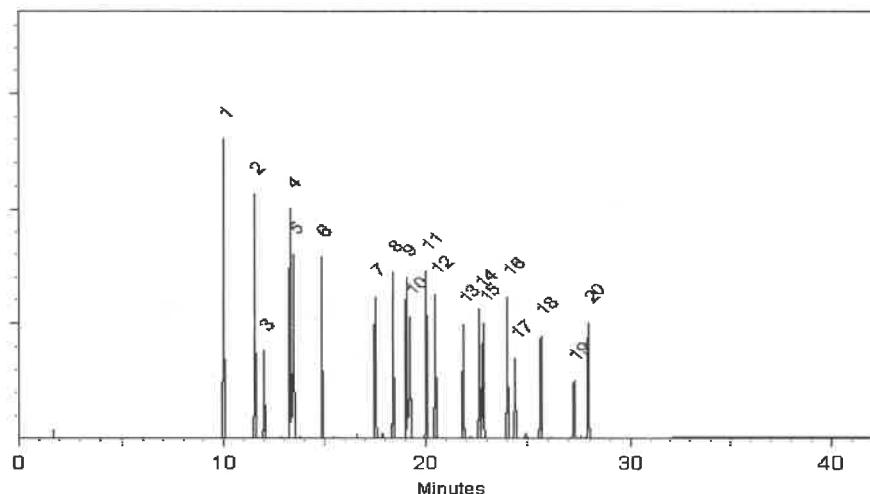
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



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

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

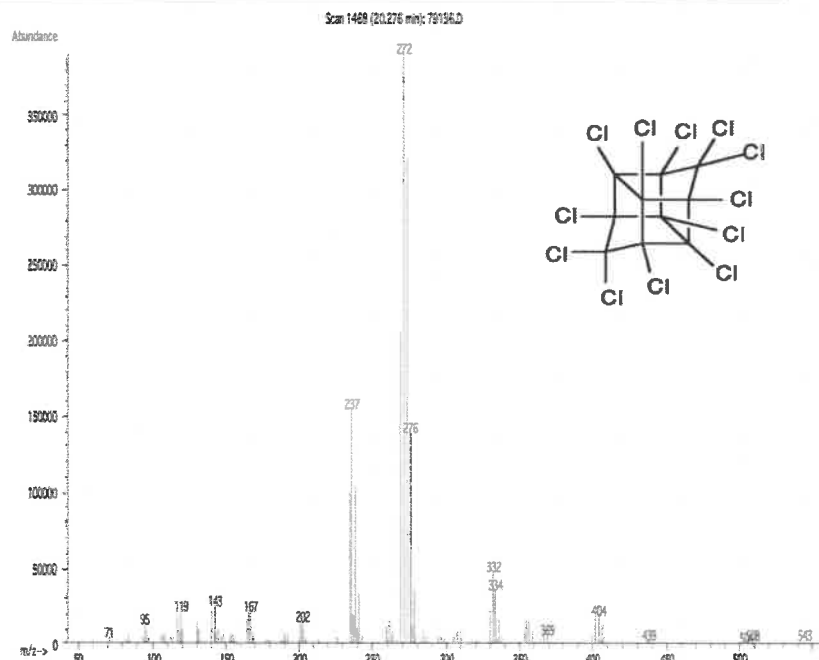
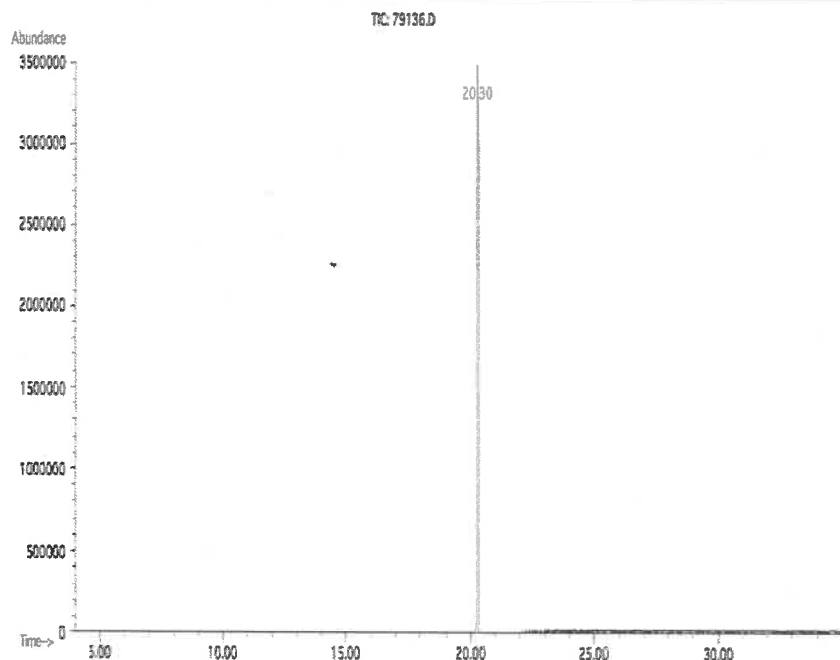
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

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)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	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.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- 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).

01/17/2024
HARRIS
D
3/3/19
5/5/19
5



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

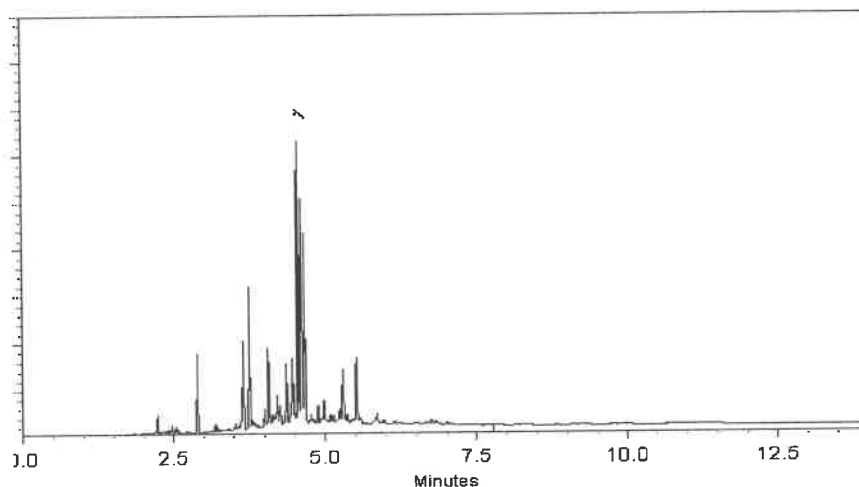
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Morgan Craighead - Mix Technician

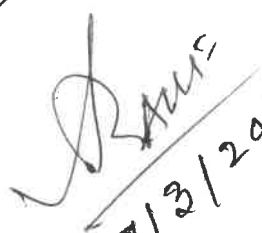
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

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

P 12603 } (3)
↓
P 12605

7/3/2023



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

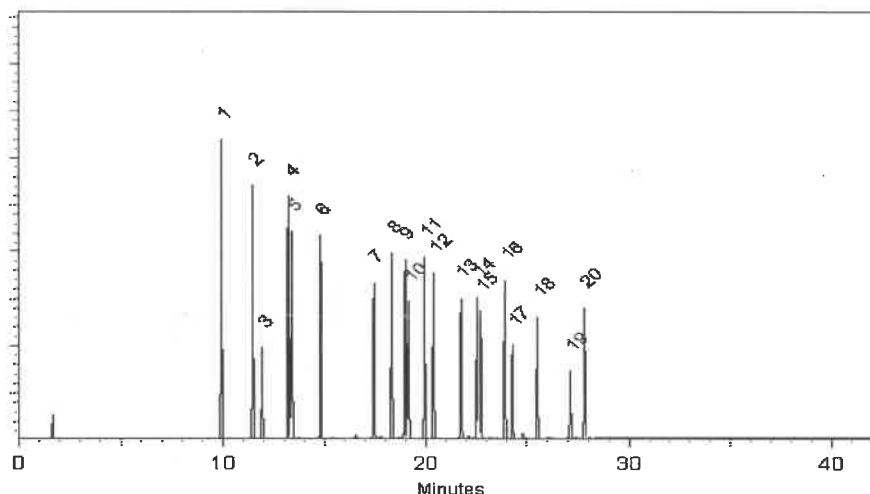
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

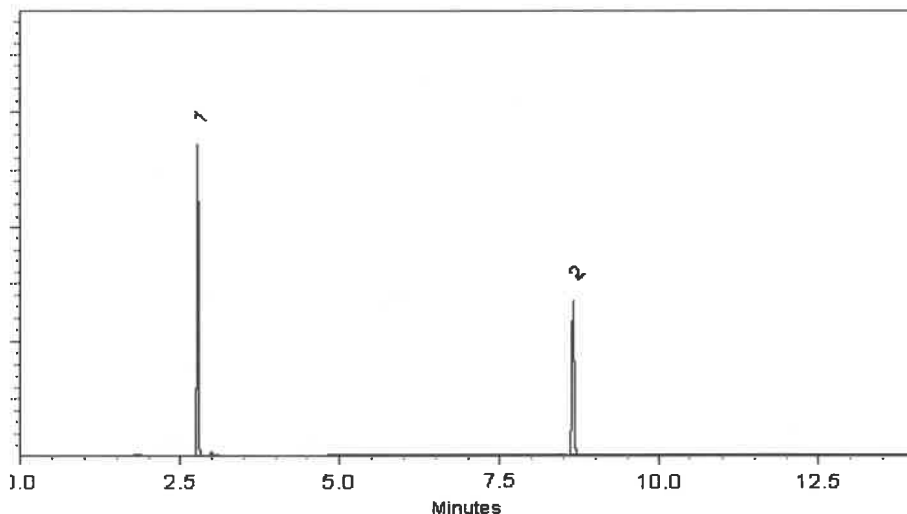
ECD

Split Vent:

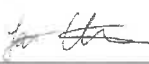
10 ml/min.

Inj. Vol

1µl

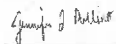


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

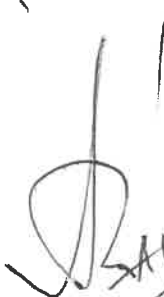
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


SAUF
04/25/2025



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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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

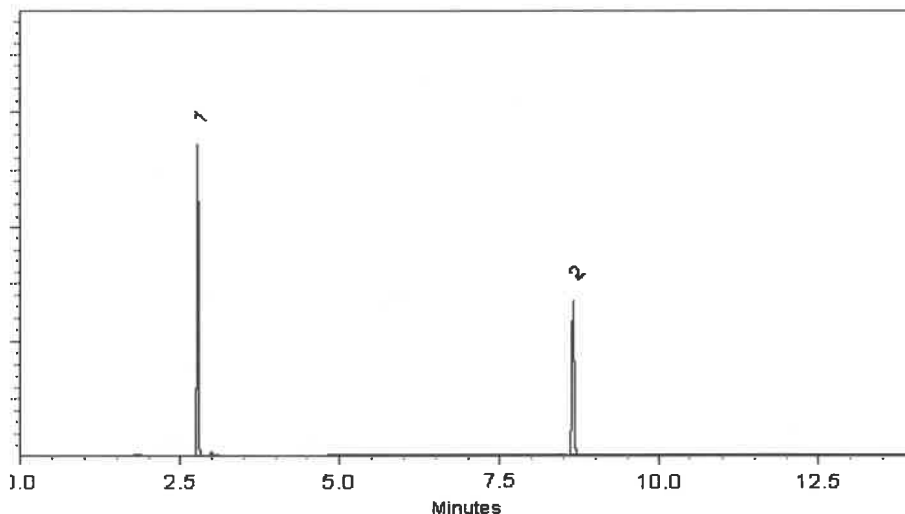
ECD

Split Vent:

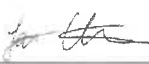
10 ml/min.

Inj. Vol

1µl

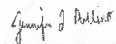


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

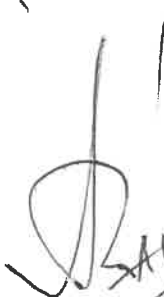
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


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04/25/2025



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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

P13402
P13406
5/22/2021

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

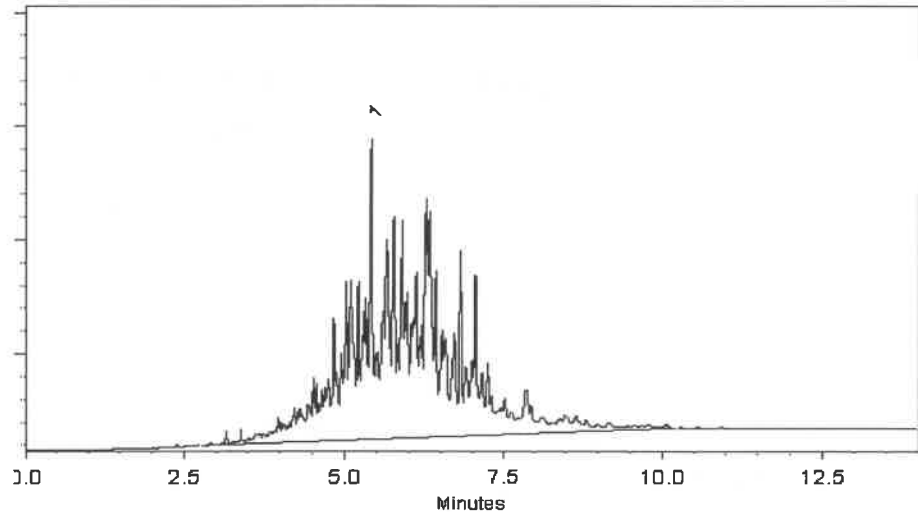
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

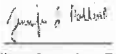


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

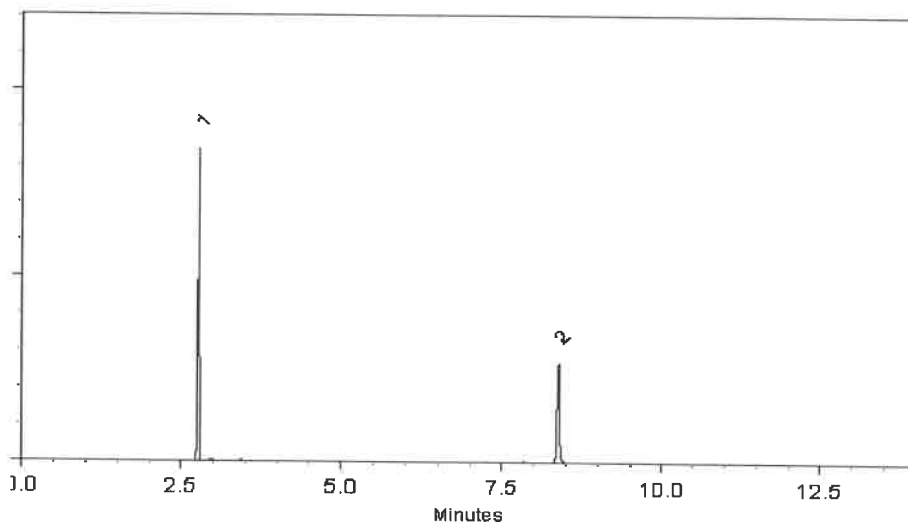
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

Catalog No. : 32005 **Lot No.:** A0210240

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

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

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

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

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

P13861
P13862
12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

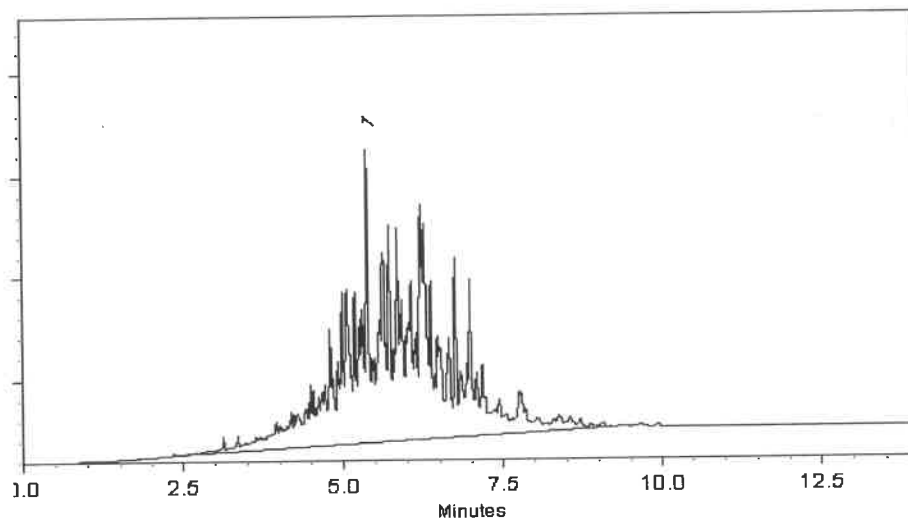
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

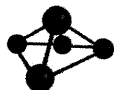
Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }
✓
12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

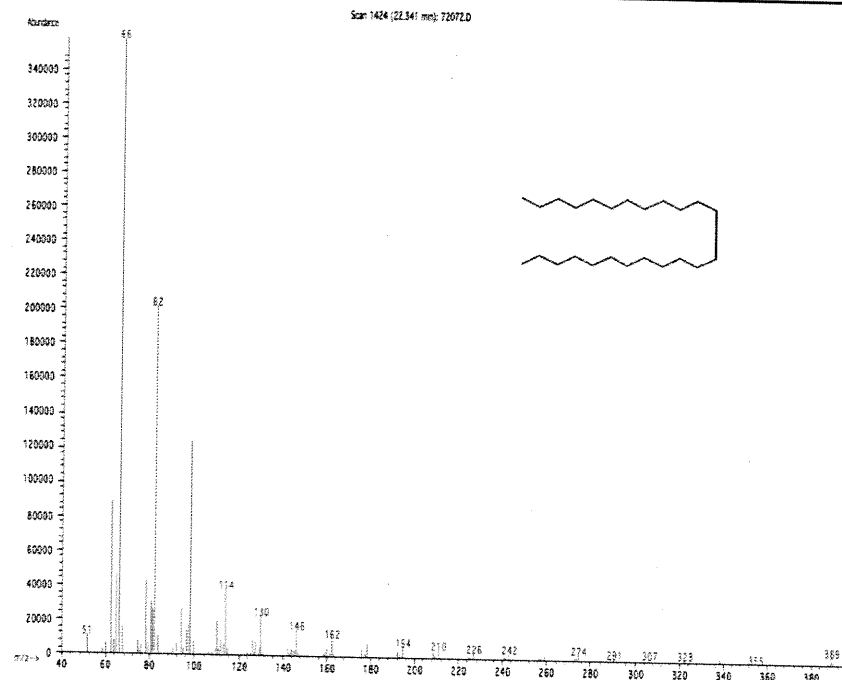
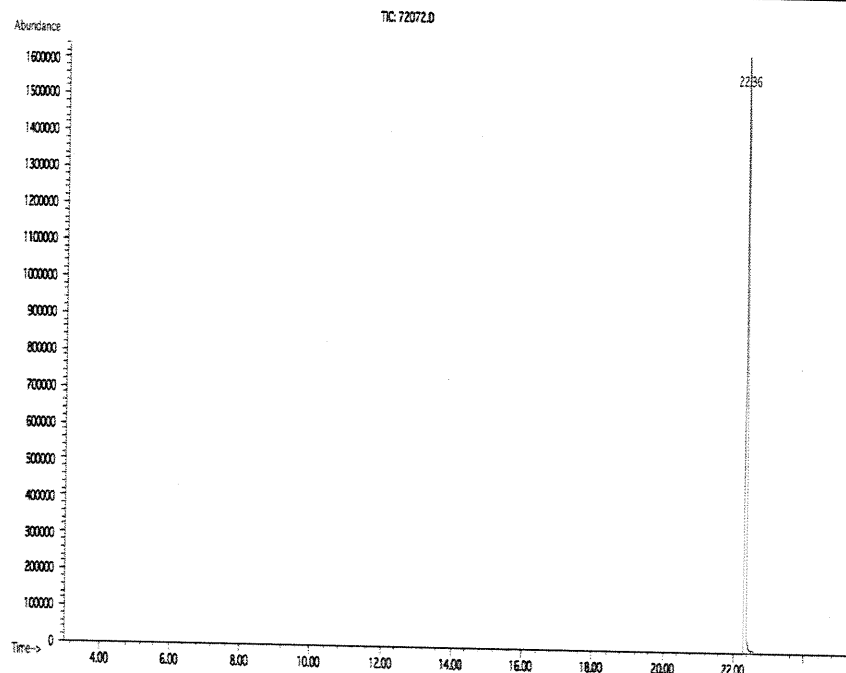
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

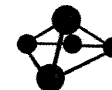
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- 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).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

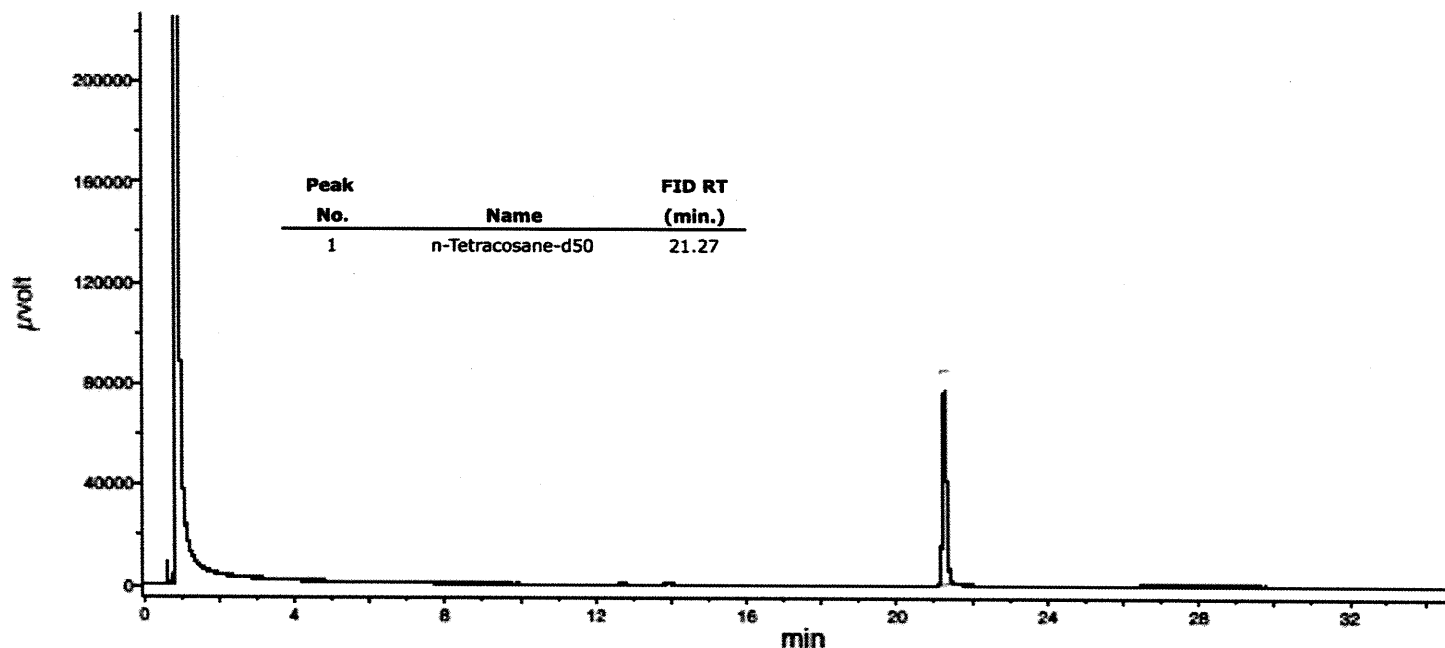
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,
Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

1
2
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4
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14
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Weston COC ID
Weston_20250313_1208

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	0111189	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 8010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Cyanide by EPA 9012E	Total Sulfide by EPA 9034	PCBs by EPA 8082A	pH by EPA 9045D	Ignitability by EPA 1030		
	Container Type:	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass		
	Container Size:	4 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz		
Preservative:	Ice to 0-6	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6 deg	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6		

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected											Special Instructions/Comments
1	TAP-IDW-SOIL-031325-01	c	DS	7	no	3/13/2025	10:20	X	X	X	X	X	X	X	X	X	X	*VOCs no headspace, prep immediately
2	TAP-IDW-SOIL-031325-02	c	DS	7	no	3/13/2025	10:50	X	X	X	X	X	X	X	X	X	X	*VOCs no headspace, prep immediately
3																		
4																		
5																		
6																		
7																		
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Shipping Airbill Number: 7726 9601 3376						Cooler Number: 1 of 1	
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments	
1. <i>[Signature]</i>	3/13/25	1315	<i>[Signature]</i>	3/14/25	1000	QSM 6.0 Compliant	
2.)						Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD	
3.)						2.9°C	

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

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:08
 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: Mar 11 17:34:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.771	55468340	68955312	19.595	19.319
28) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	0.000	6.106	0	6474395	N.D.	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.641	6.833	7362509	9131615	2.785	1.913 #

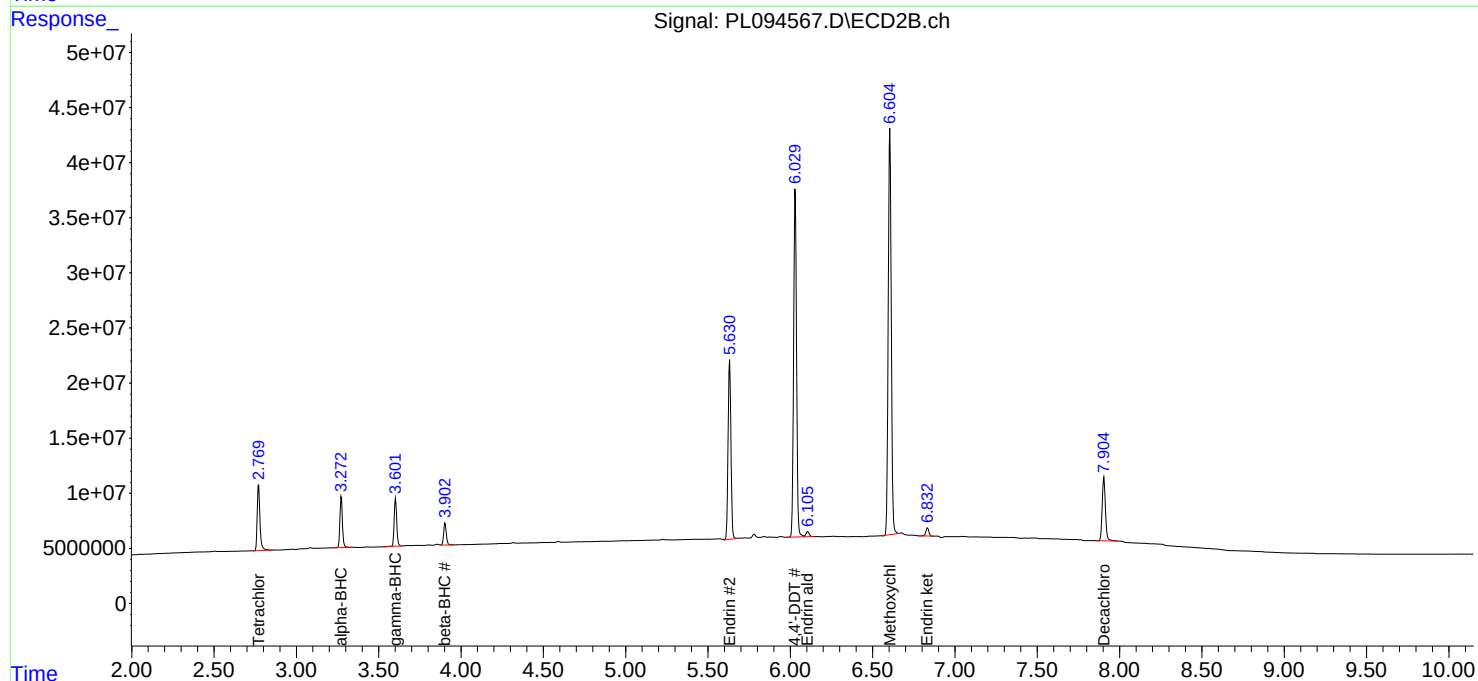
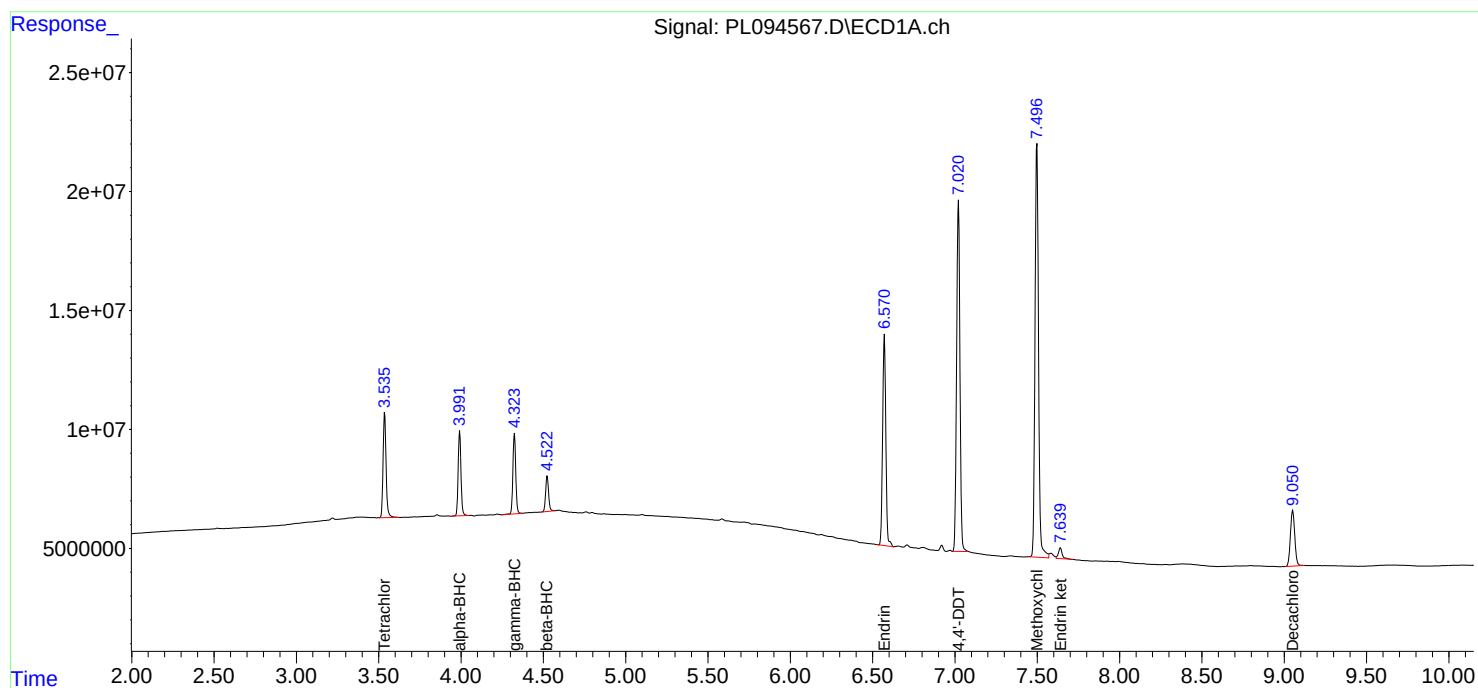
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

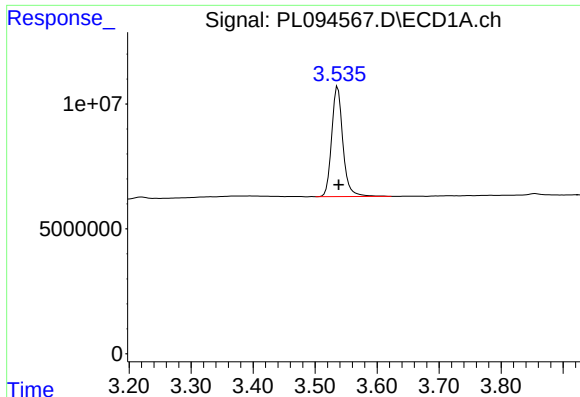
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:34:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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

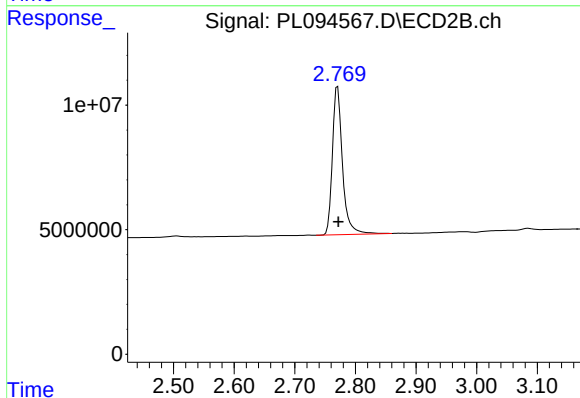




#1 Tetrachloro-m-xylene

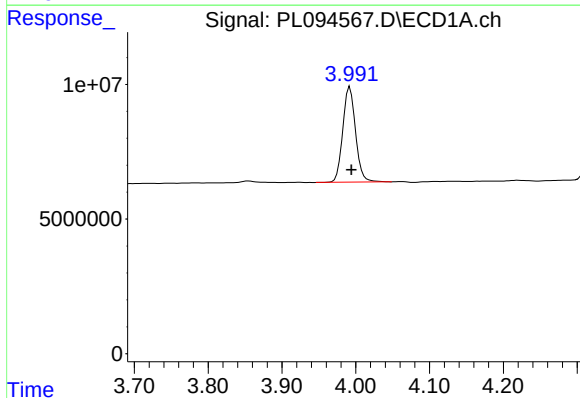
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



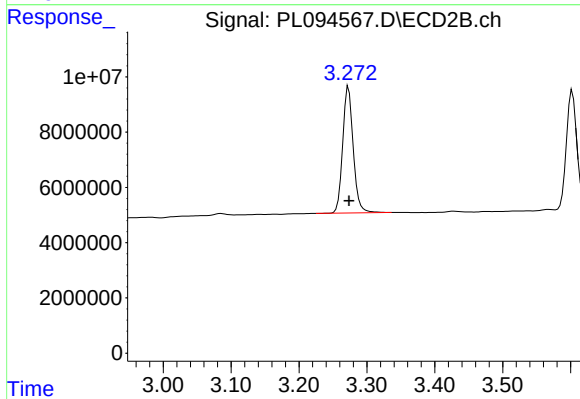
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 68955312
Conc: 19.32 ng/ml



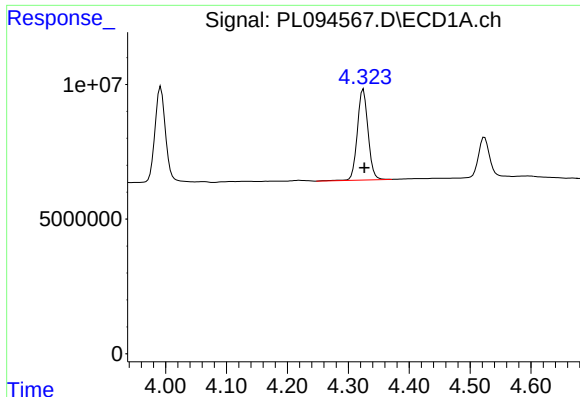
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 42494047
Conc: 10.23 ng/ml



#2 alpha-BHC

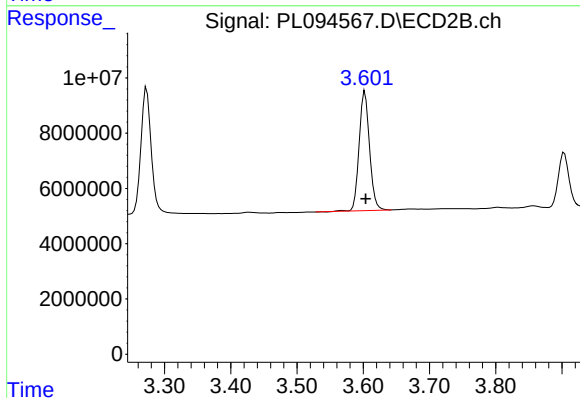
R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 49328954
Conc: 9.15 ng/ml



#3 gamma-BHC (Lindane)

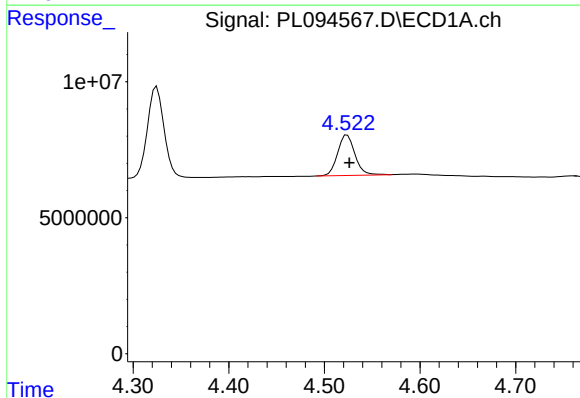
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



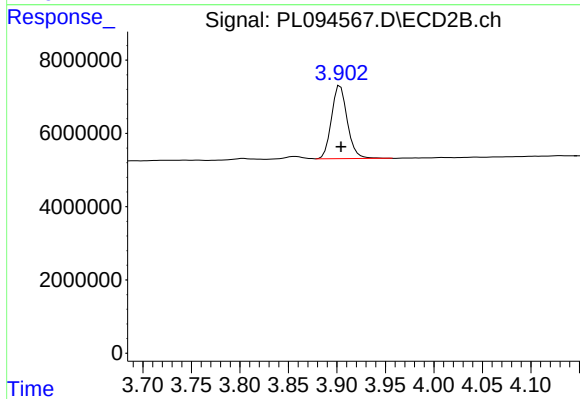
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 47101013
Conc: 9.16 ng/ml



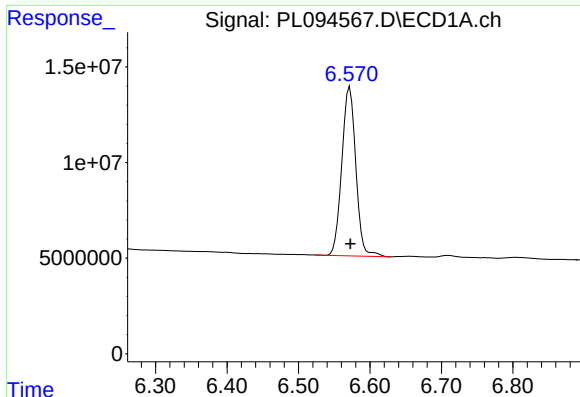
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 18789587
Conc: 10.18 ng/ml



#6 beta-BHC

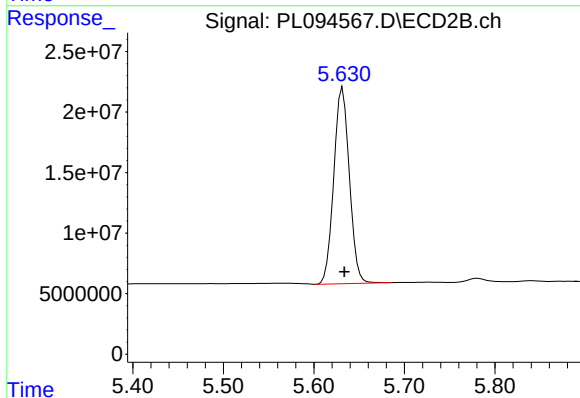
R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 22504052
Conc: 10.13 ng/ml



#14 Endrin

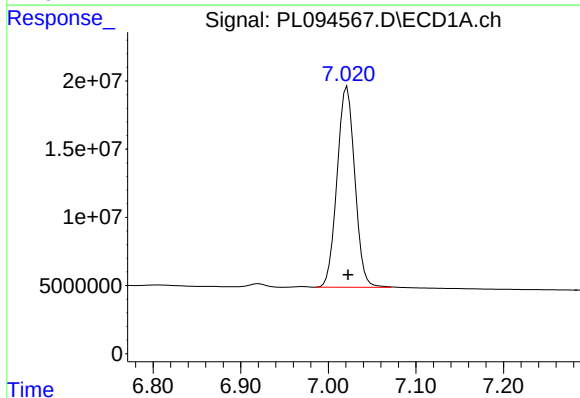
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



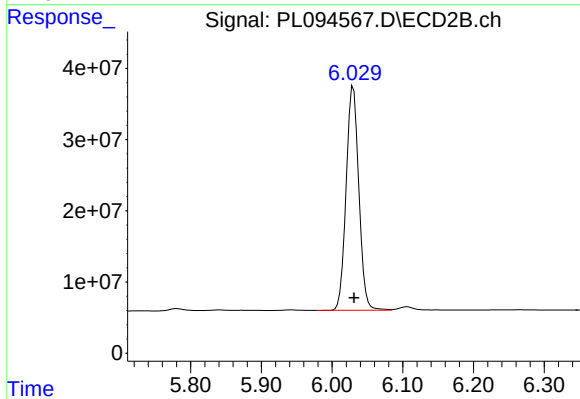
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 193799546
Conc: 44.41 ng/ml



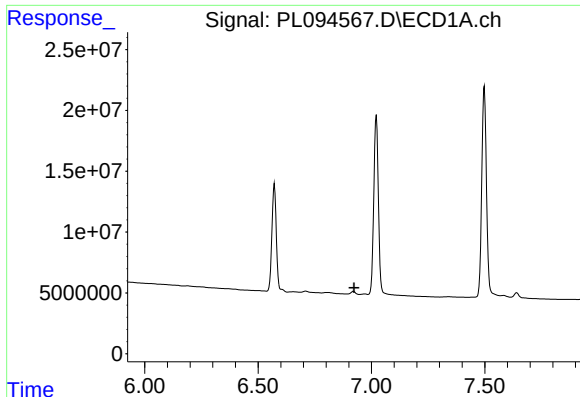
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 207005384
Conc: 87.03 ng/ml



#17 4,4'-DDT

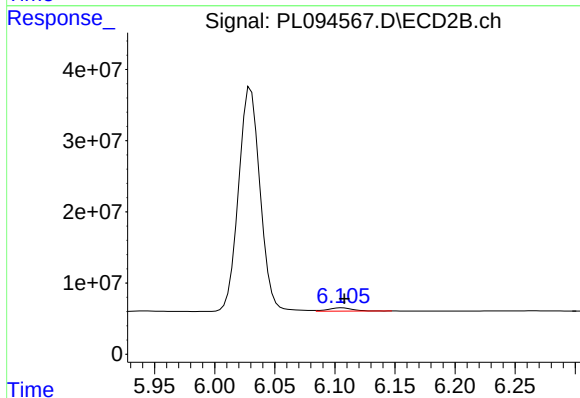
R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



#18 Endrin aldehyde

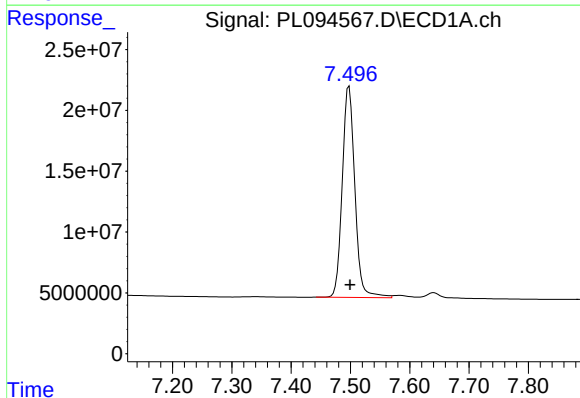
R.T.: 0.000 min
Exp R.T.: 6.924 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



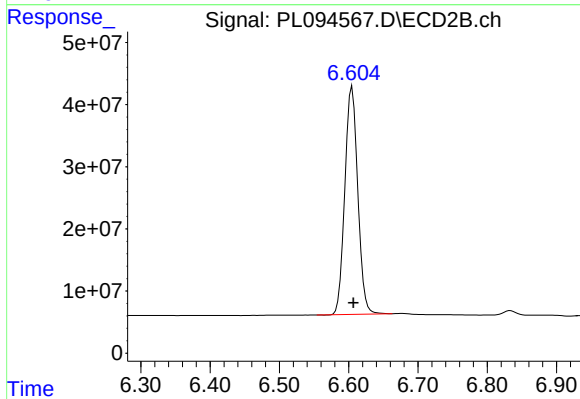
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 6474395
Conc: 1.92 ng/ml



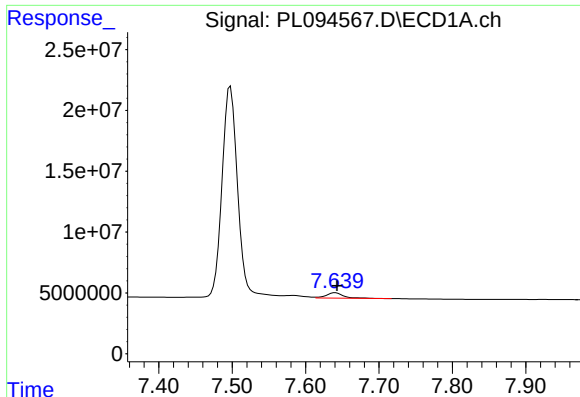
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 256926285
Conc: 214.63 ng/ml



#20 Methoxychlor

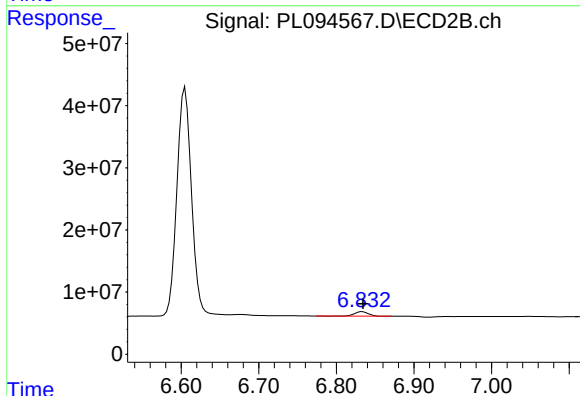
R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



#21 Endrin ketone

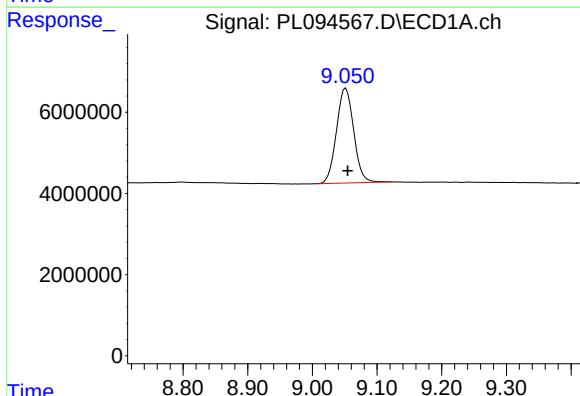
R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 7362509
Conc: 2.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



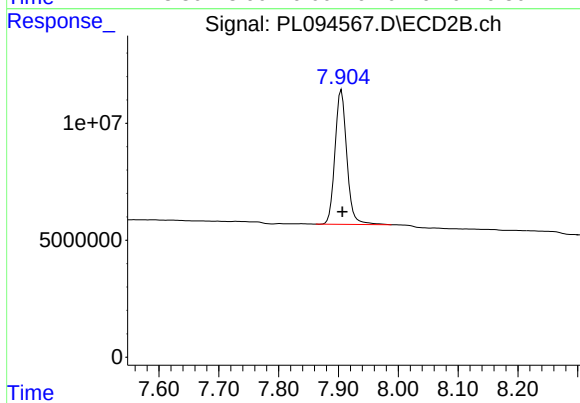
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 9131615
Conc: 1.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 43281377
Conc: 20.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 79131399
Conc: 19.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:22
 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: Mar 11 17:37:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 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	2.771	53468086	65423025	18.889	18.330
28)	SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds							
9)	A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10)	B gamma-Chl...	5.937	4.972	33232558	42187332	9.863	8.737
12)	B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13)	MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19)	B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20)	A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21)	B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

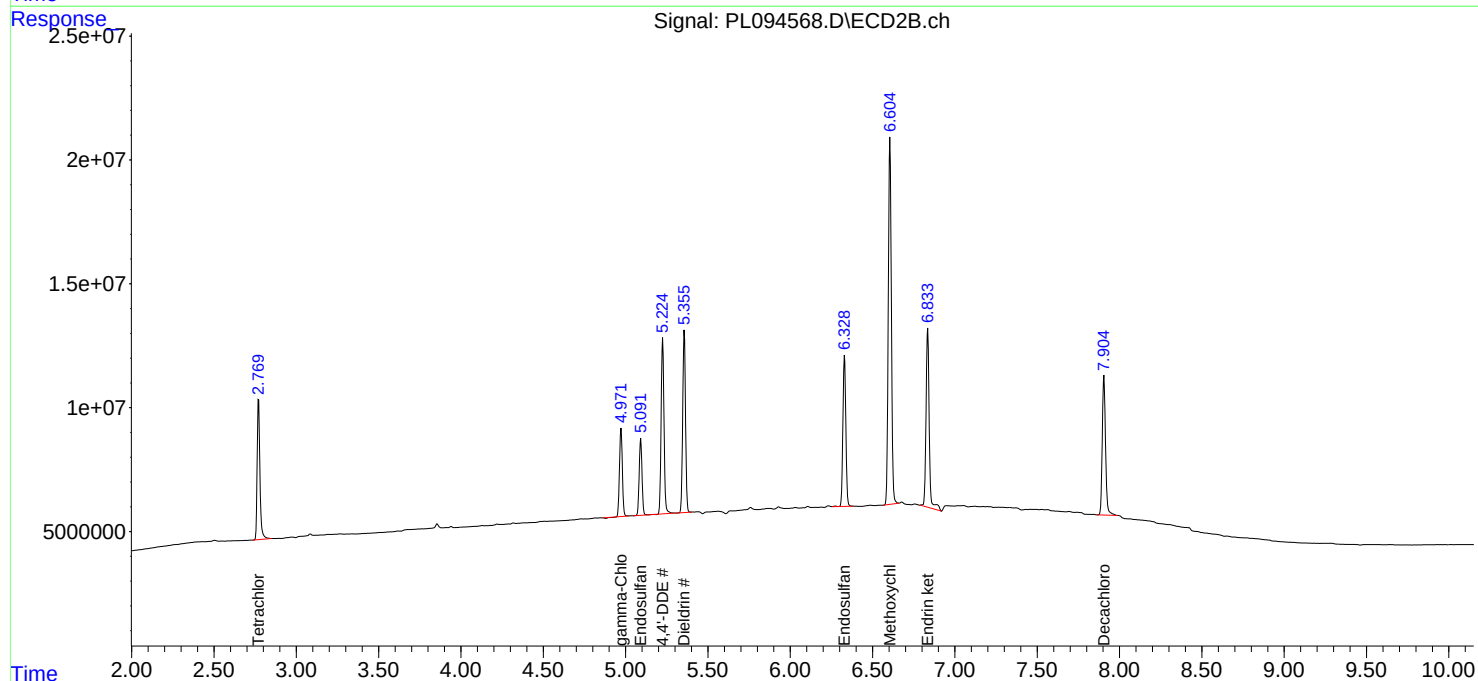
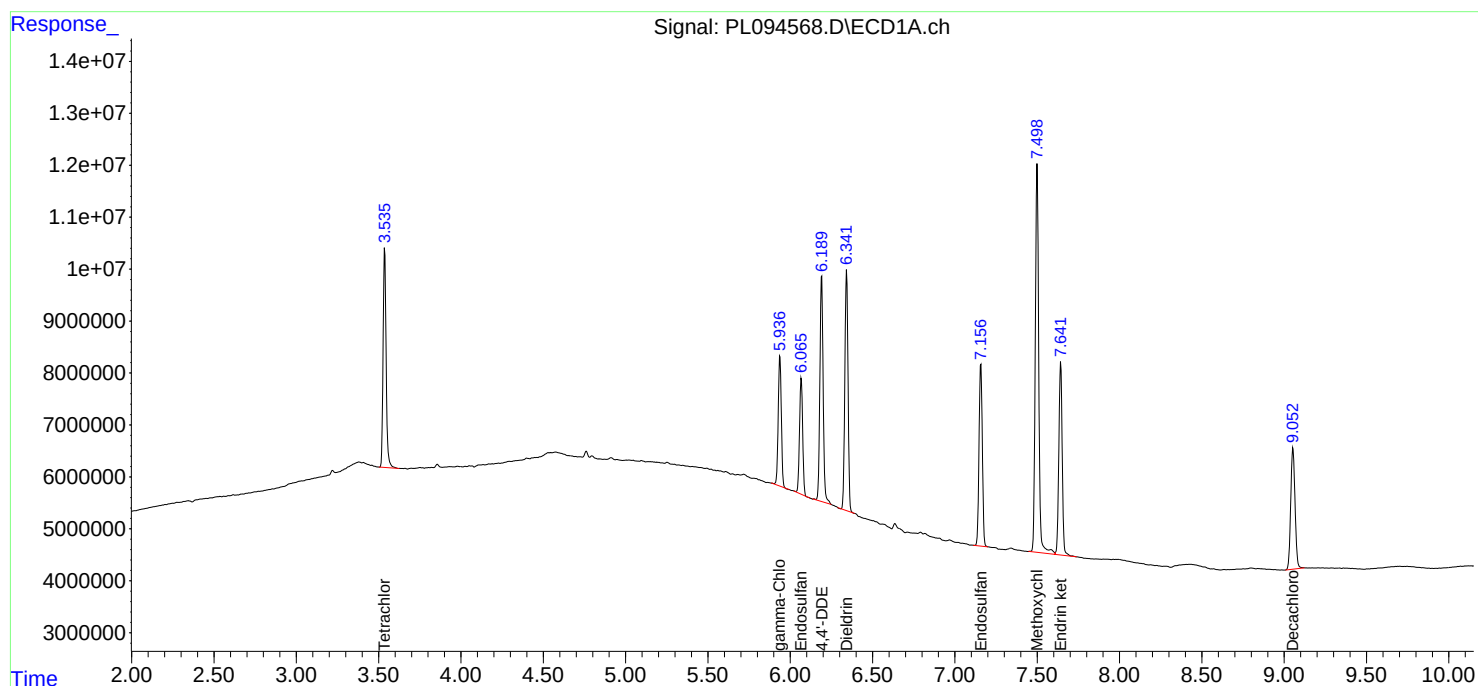
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

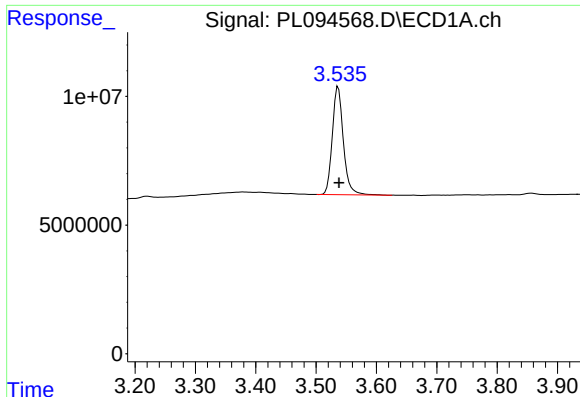
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:37:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 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

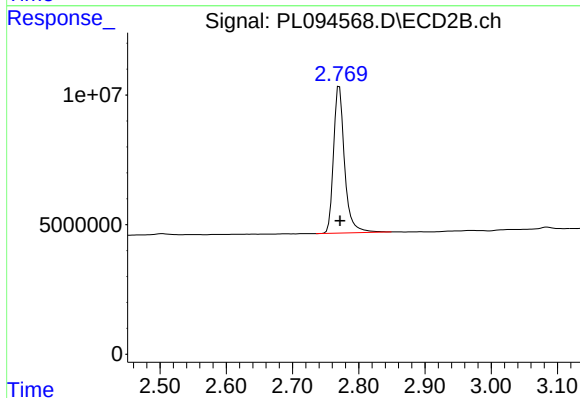




#1 Tetrachloro-m-xylene

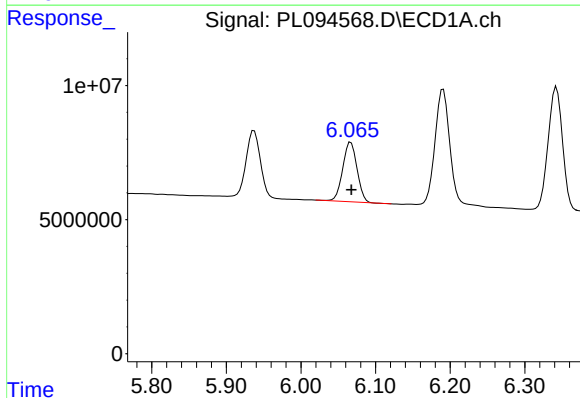
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



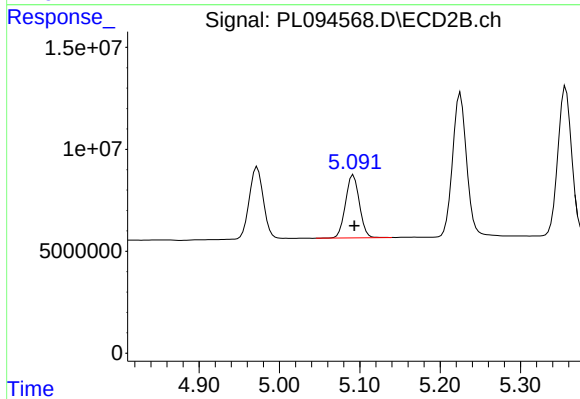
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 65423025
Conc: 18.33 ng/ml



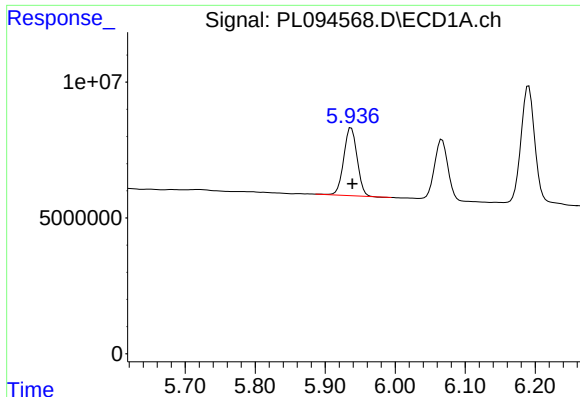
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 29402034
Conc: 9.58 ng/ml



#9 Endosulfan I

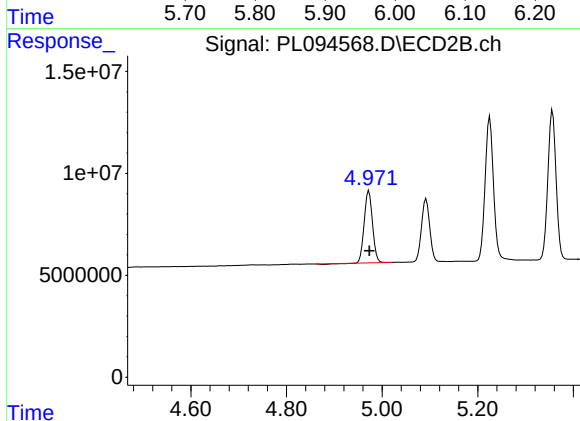
R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 37055598
Conc: 8.44 ng/ml



#10 gamma-Chlordane

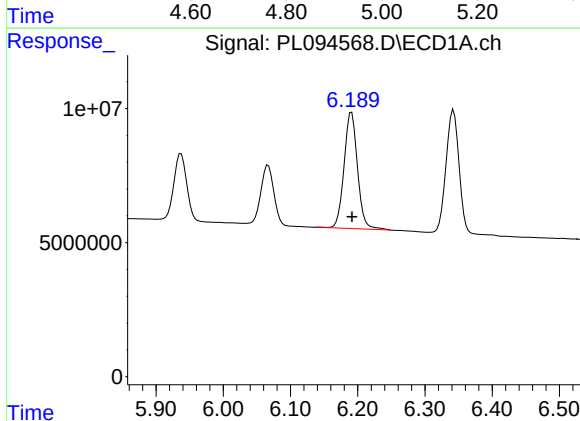
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



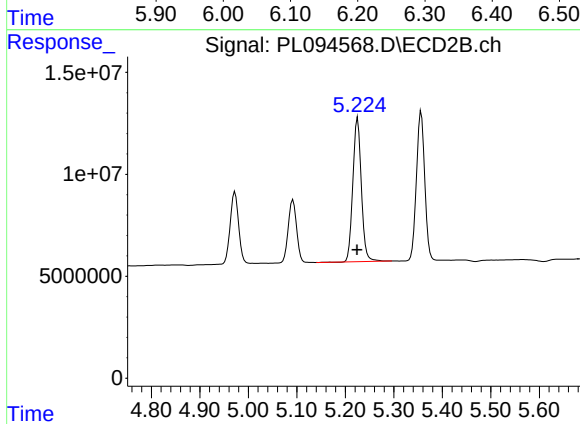
#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.001 min
Response: 42187332
Conc: 8.74 ng/ml



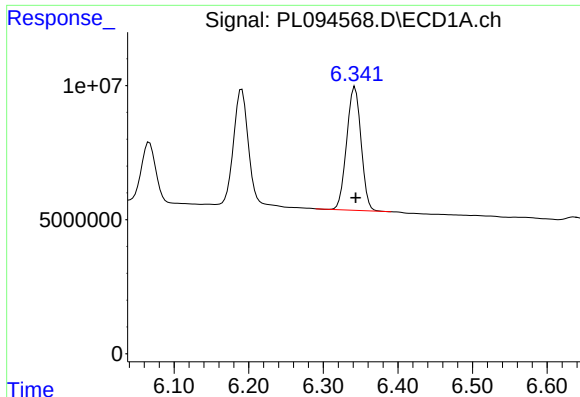
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 60170599
Conc: 20.45 ng/ml



#12 4,4'-DDE

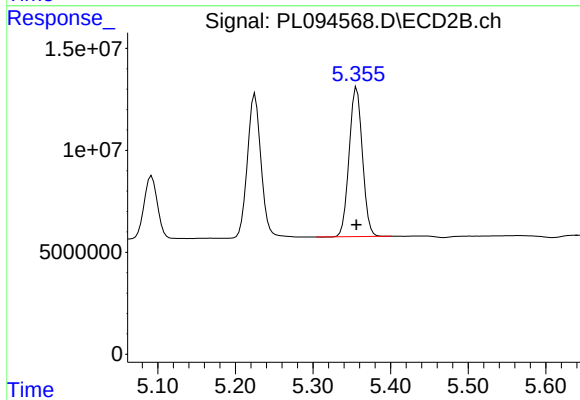
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86039267
Conc: 18.51 ng/ml



#13 Dieldrin

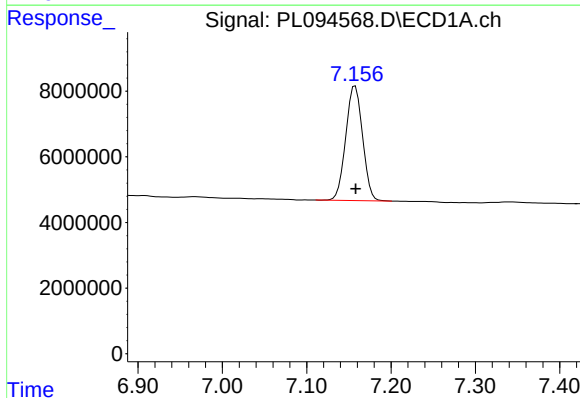
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



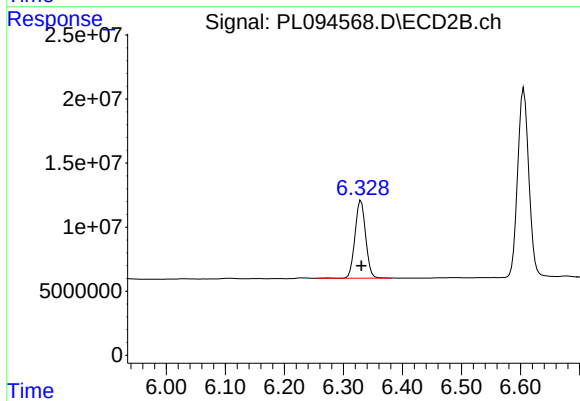
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 87035875
Conc: 17.94 ng/ml



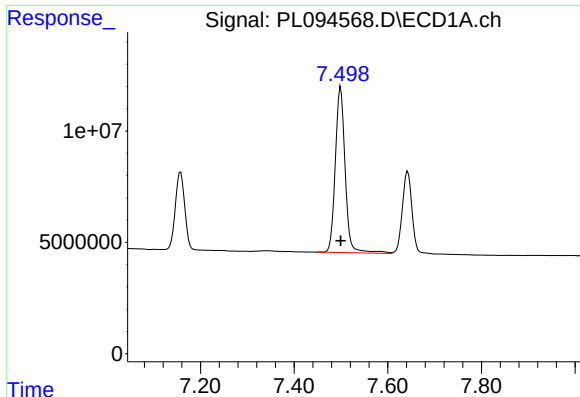
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 48427242
Conc: 19.91 ng/ml



#19 Endosulfan Sulfate

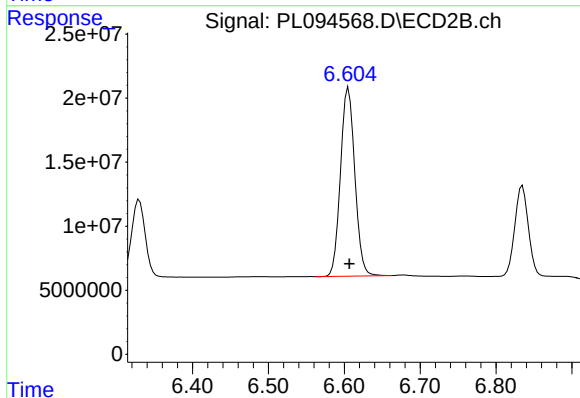
R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 76018164
Conc: 18.66 ng/ml



#20 Methoxychlor

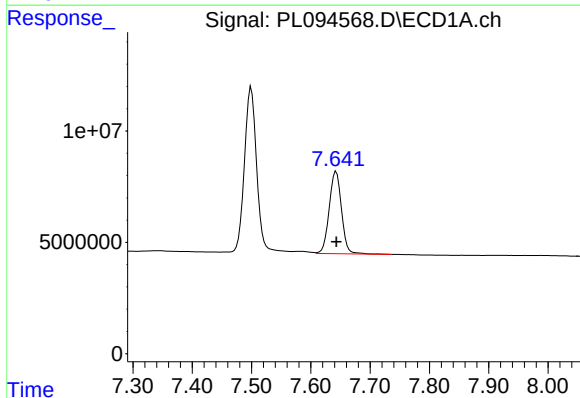
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 108457351
Conc: 90.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



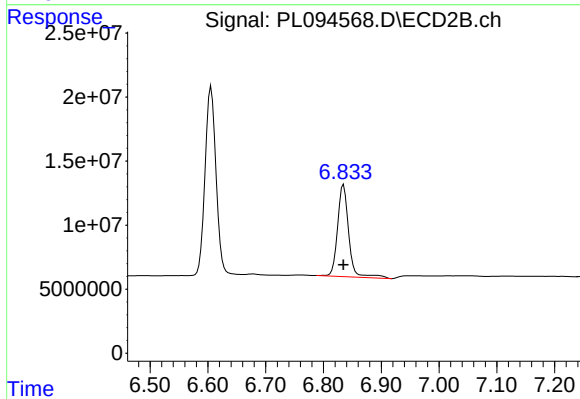
#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 193354717
Conc: 91.16 ng/ml



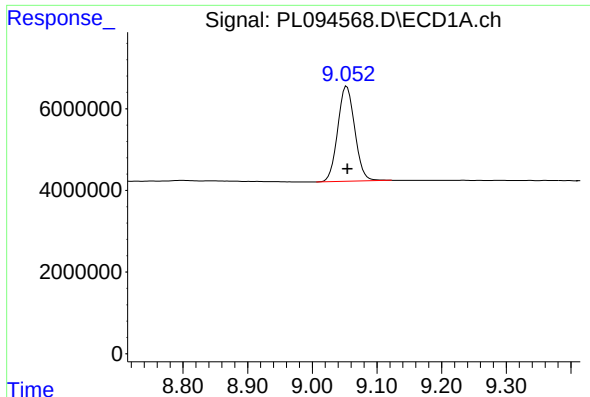
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 53103007
Conc: 20.09 ng/ml



#21 Endrin ketone

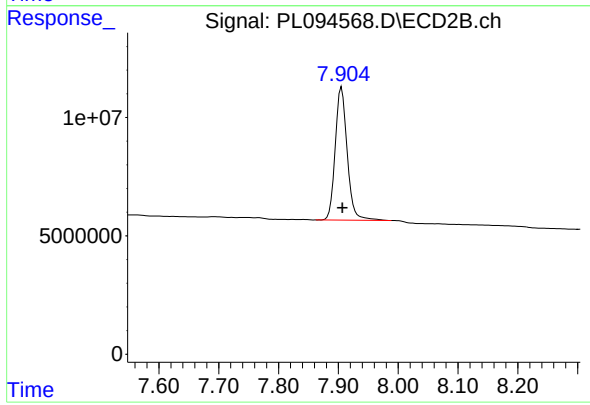
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 96817803
Conc: 20.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 42521417
Conc: 20.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 78359154
Conc: 19.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094569.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:35
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:23:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.771	267.8E6	357.3E6	99.165	100.991
28)	SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds							
2)	A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3)	MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4)	MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5)	MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6)	B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7)	B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8)	B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9)	A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10)	B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11)	B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12)	B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13)	MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14)	MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15)	B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16)	A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17)	MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18)	B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19)	B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20)	A Methoxychlor	7.500	6.606	115.1E6	208.9E6	101.736	99.757
21)	B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22)	Mirex	8.116	7.015	187.1E6	365.6E6	98.246	99.620

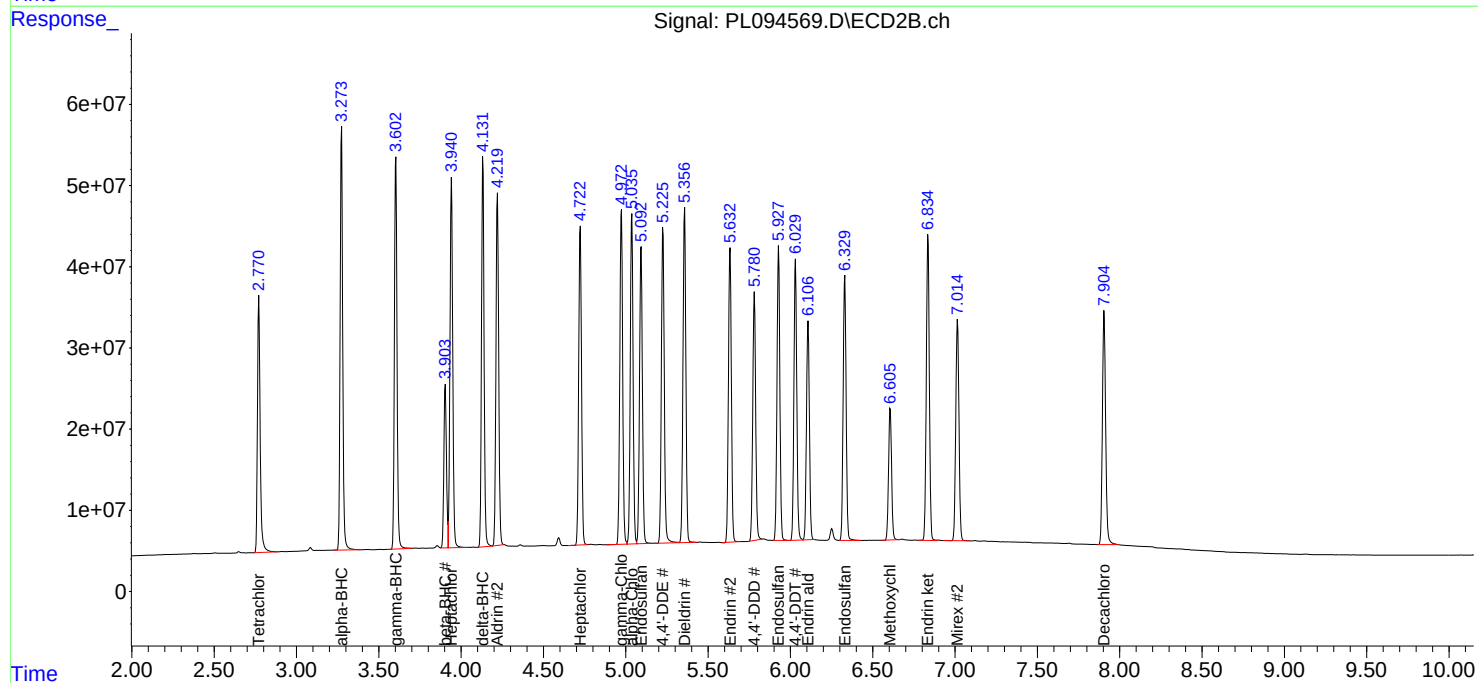
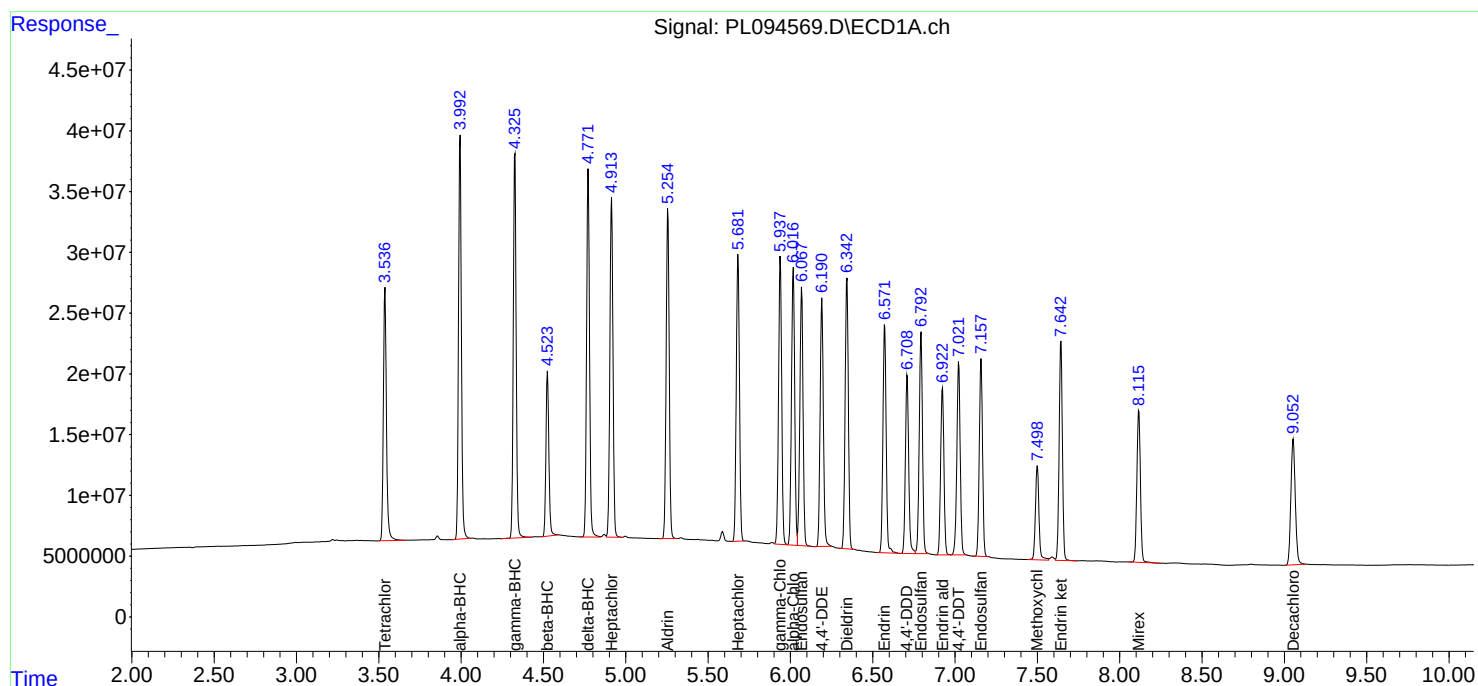
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

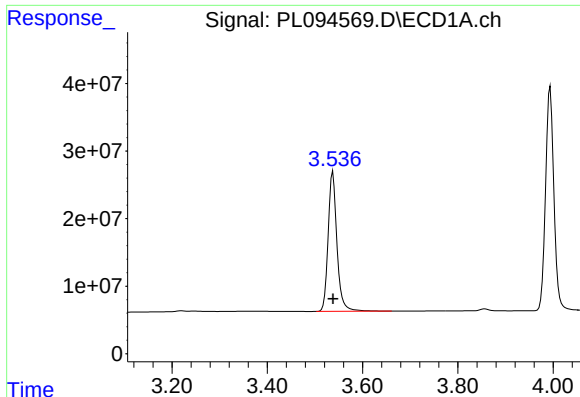
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:23:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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

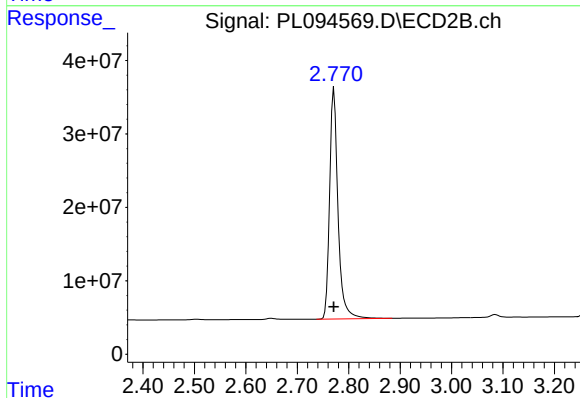




#1 Tetrachloro-m-xylene

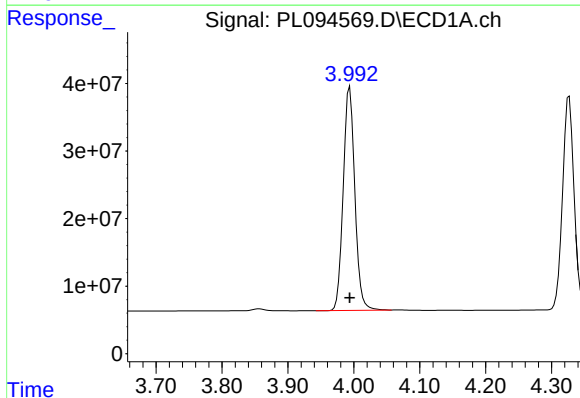
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 267763168
Conc: 99.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



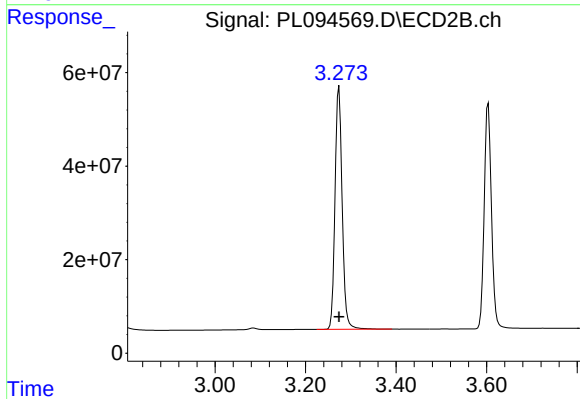
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 357251635
Conc: 100.99 ng/ml



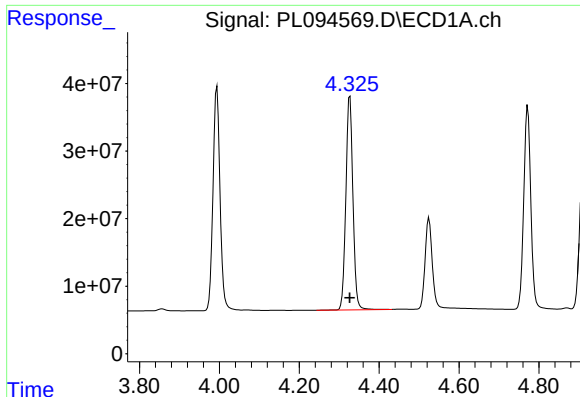
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 405083205
Conc: 100.55 ng/ml



#2 alpha-BHC

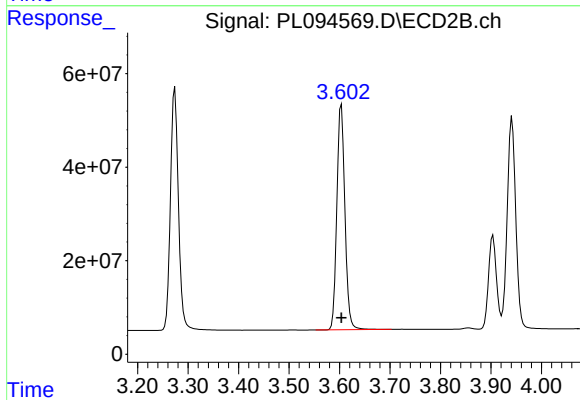
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 569673035
Conc: 102.61 ng/ml



#3 gamma-BHC (Lindane)

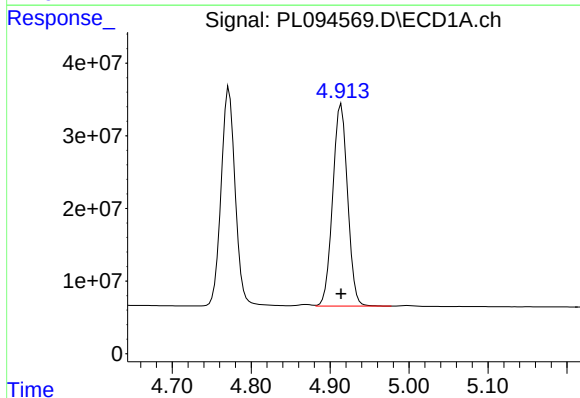
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 388608790
Conc: 100.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



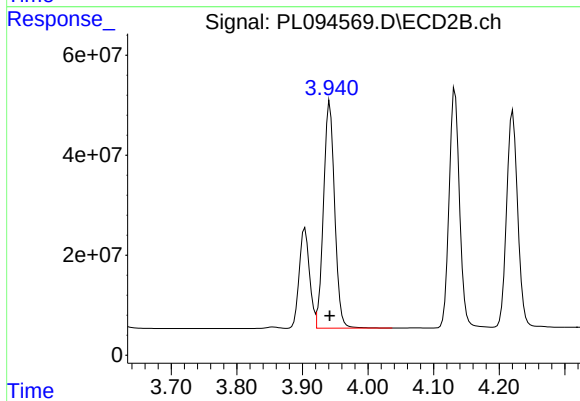
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 537223278
Conc: 102.28 ng/ml



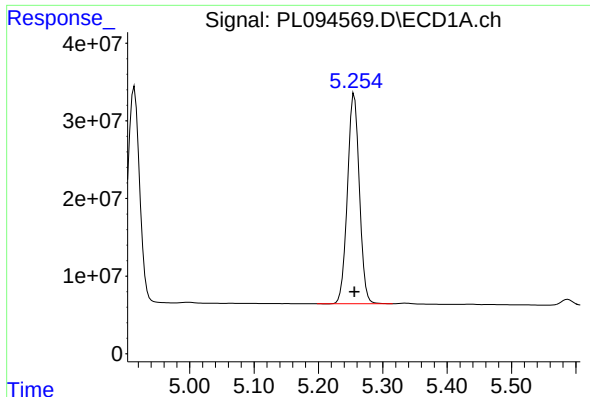
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 364573075
Conc: 99.02 ng/ml



#4 Heptachlor

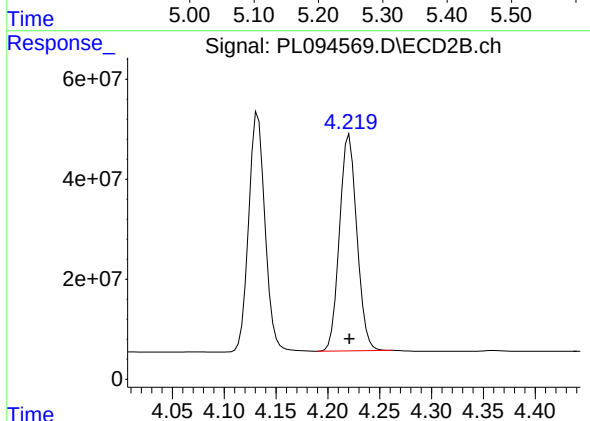
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 536306132
Conc: 101.27 ng/ml



#5 Aldrin

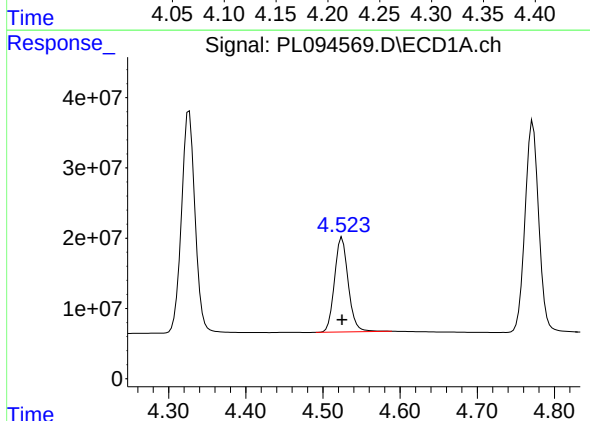
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 348651471
Conc: 99.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



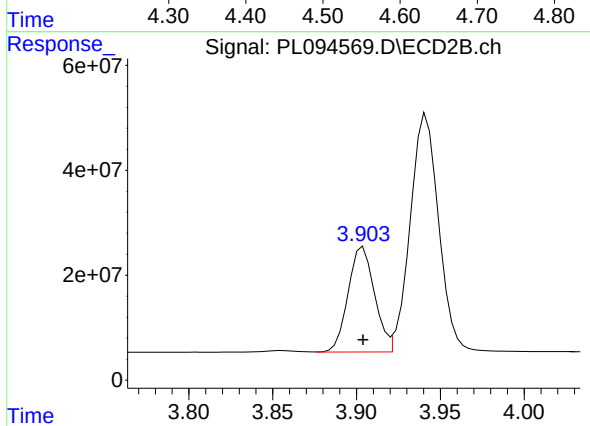
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 504334831
Conc: 102.09 ng/ml



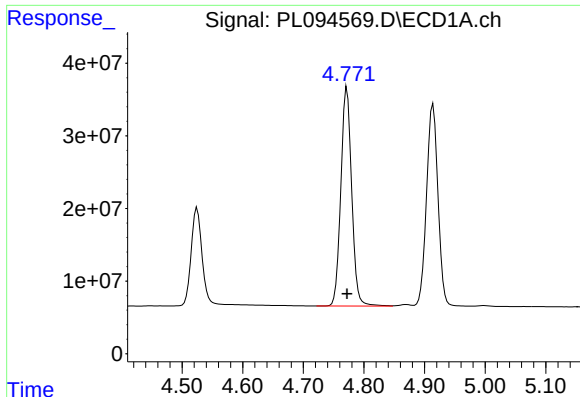
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 167259580
Conc: 97.94 ng/ml



#6 beta-BHC

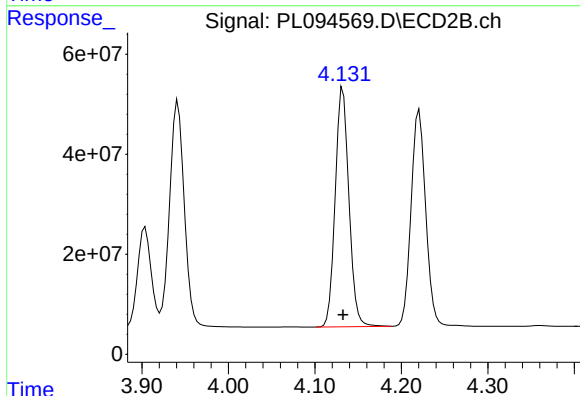
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 218990788
Conc: 100.41 ng/ml



#7 delta-BHC

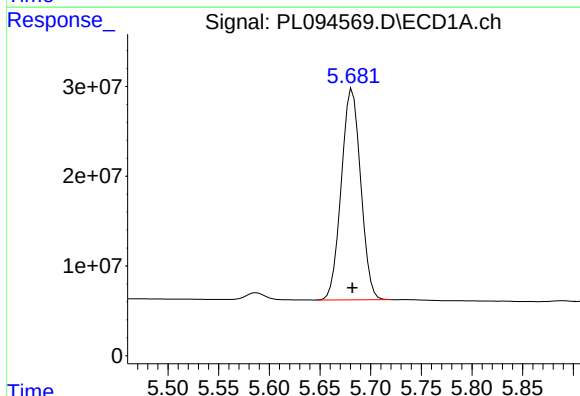
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 373153307
Conc: 100.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



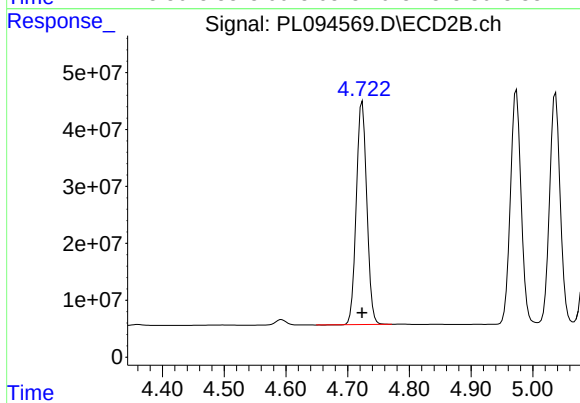
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 524542093
Conc: 102.45 ng/ml



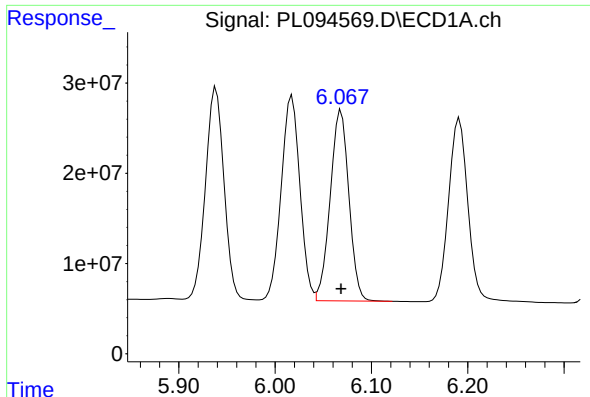
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 312768417
Conc: 98.90 ng/ml



#8 Heptachlor epoxide

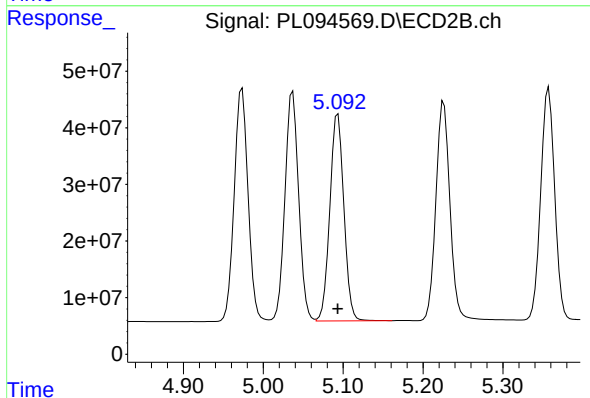
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 461918591
Conc: 100.98 ng/ml



#9 Endosulfan I

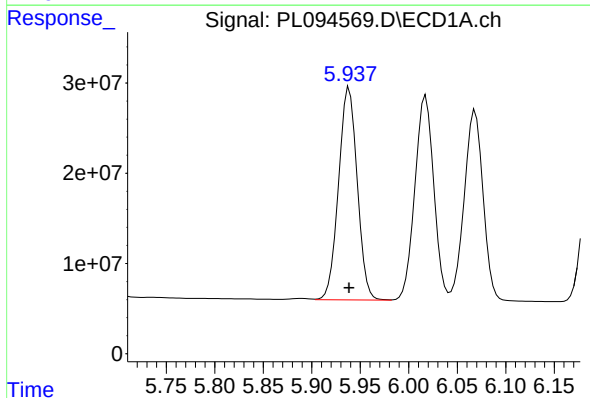
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 285605332
Conc: 98.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



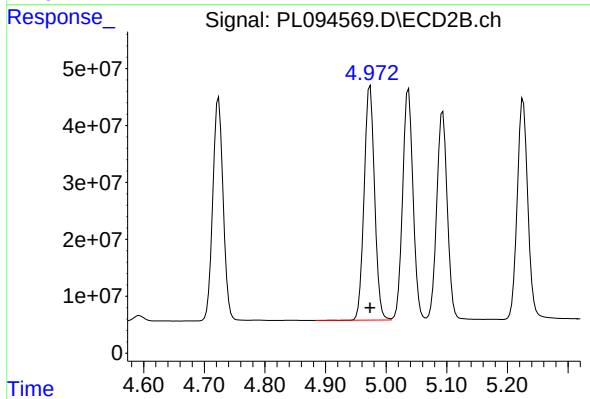
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 445594192
Conc: 101.25 ng/ml



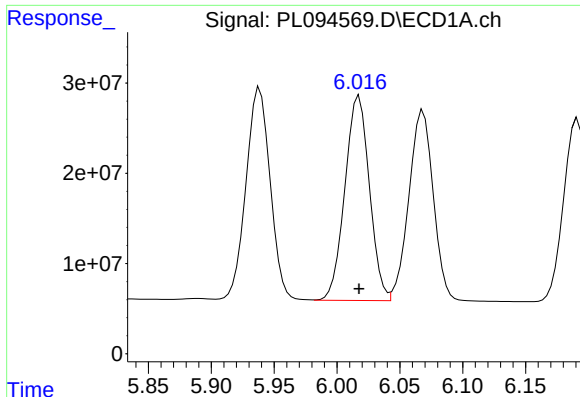
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 315231814
Conc: 99.13 ng/ml



#10 gamma-Chlordane

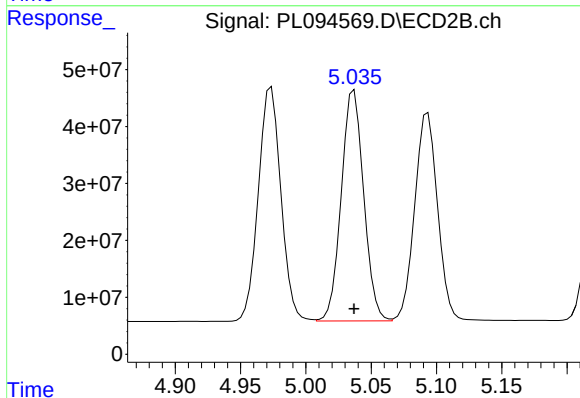
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 494683451
Conc: 101.81 ng/ml



#11 alpha-Chlordane

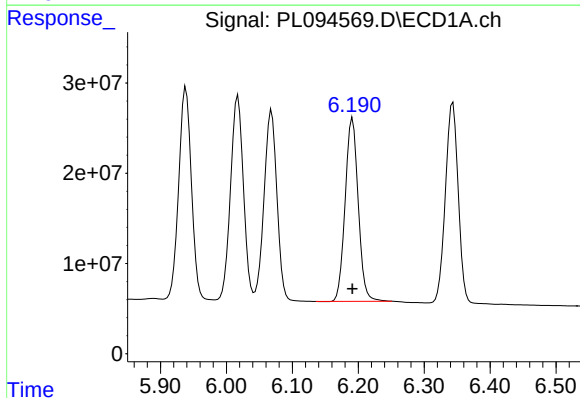
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 307825063
Conc: 98.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



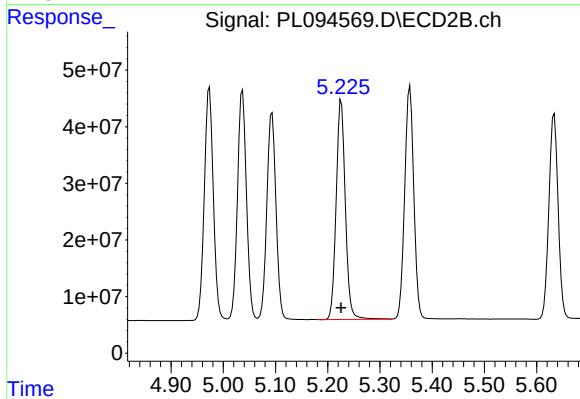
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 484791380
Conc: 101.43 ng/ml



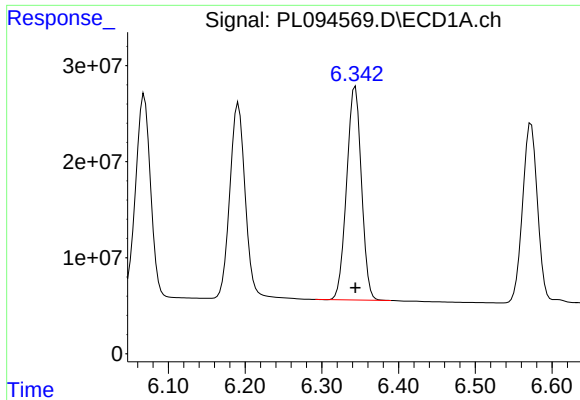
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 280081824
Conc: 99.23 ng/ml



#12 4,4'-DDE

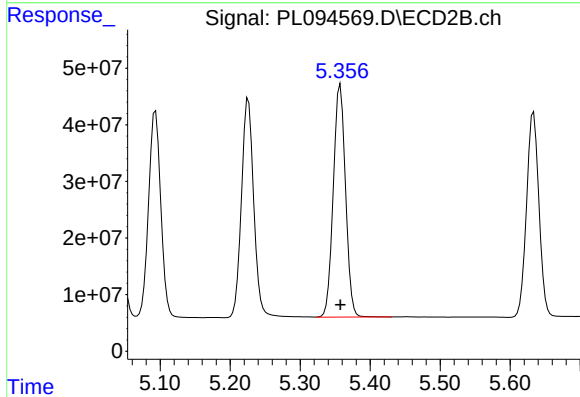
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 475560692
Conc: 101.78 ng/ml



#13 Dieldrin

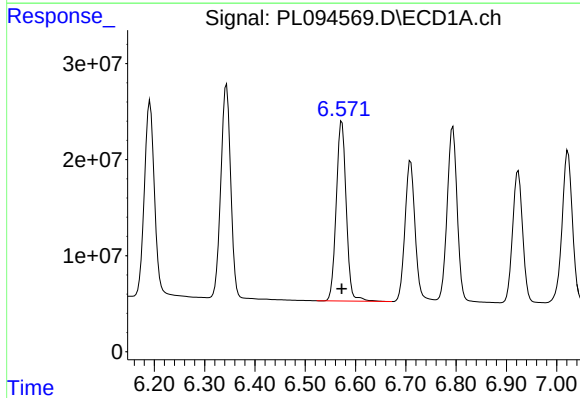
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 299891748
Conc: 99.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



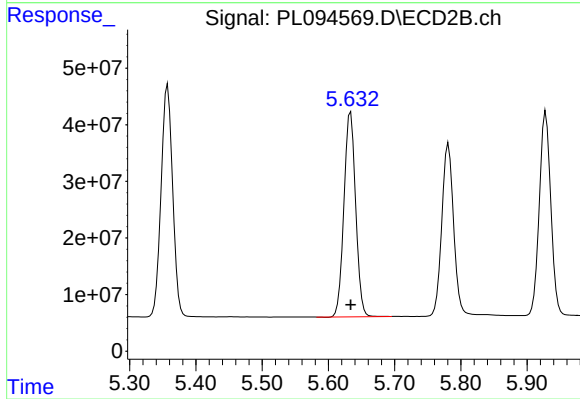
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 499116818
Conc: 102.04 ng/ml



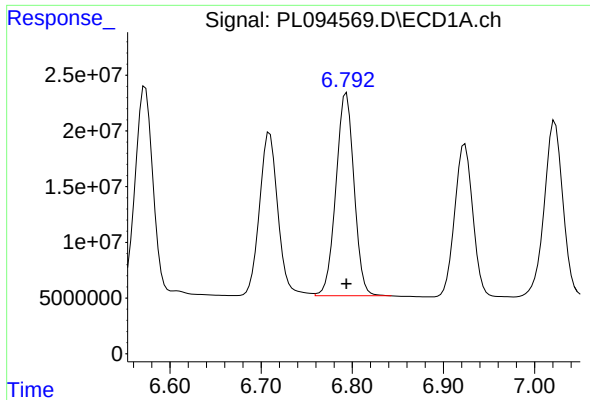
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 258594013
Conc: 99.18 ng/ml



#14 Endrin

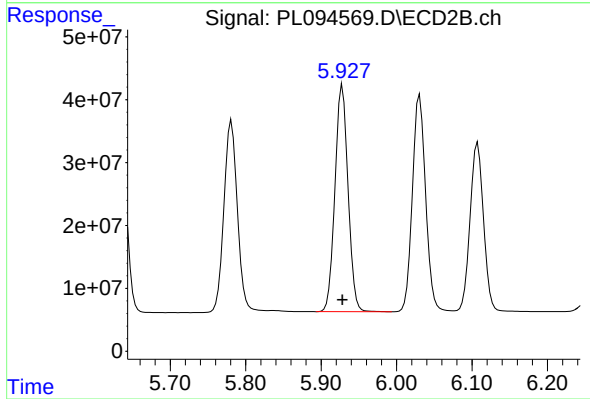
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 443455460
Conc: 101.24 ng/ml



#15 Endosulfan II

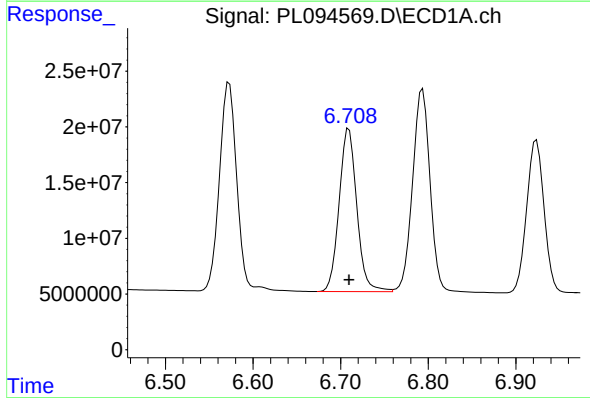
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 250994889
Conc: 98.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



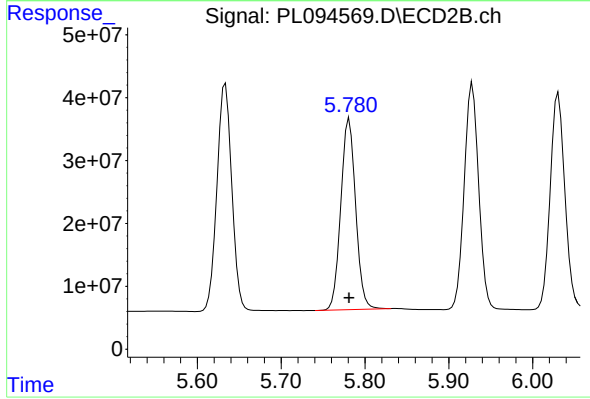
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 434672686
Conc: 101.06 ng/ml



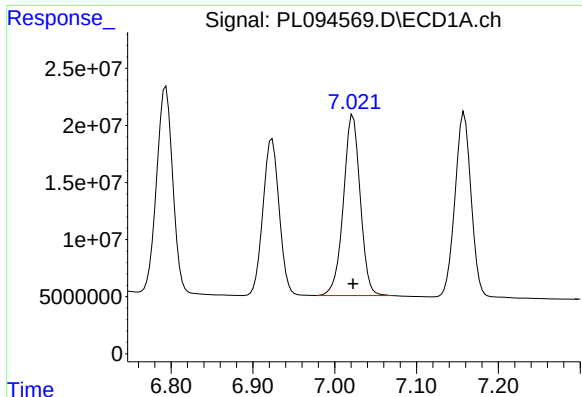
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 205479047
Conc: 98.98 ng/ml



#16 4,4'-DDD

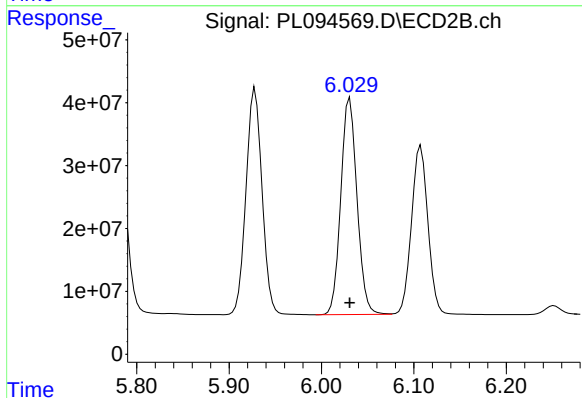
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 374466215
Conc: 102.21 ng/ml



#17 4,4'-DDT

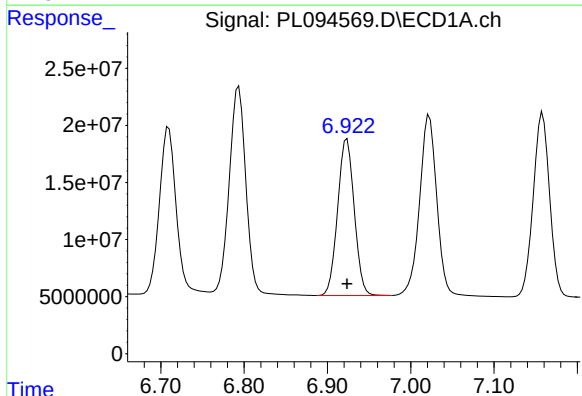
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 225075617
Conc: 99.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



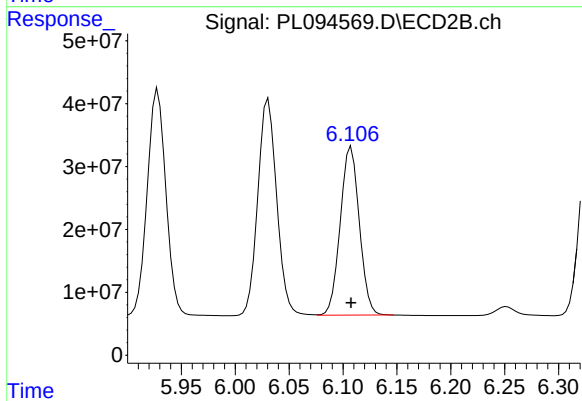
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 420641323
Conc: 102.34 ng/ml



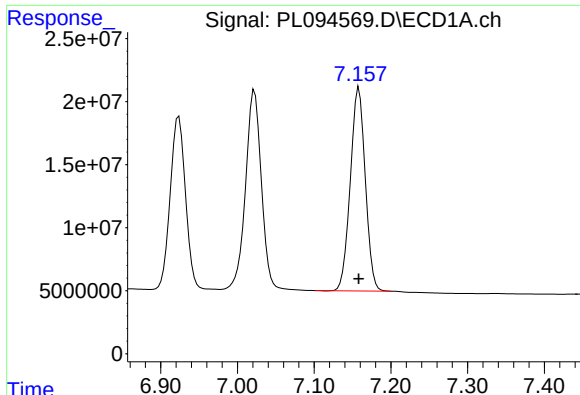
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 189940982
Conc: 97.54 ng/ml



#18 Endrin aldehyde

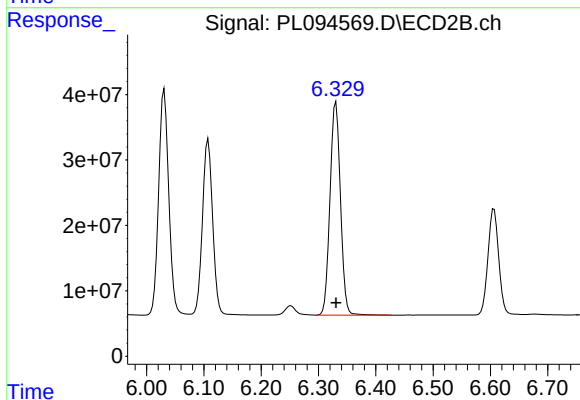
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 330131461
Conc: 100.34 ng/ml



#19 Endosulfan Sulfate

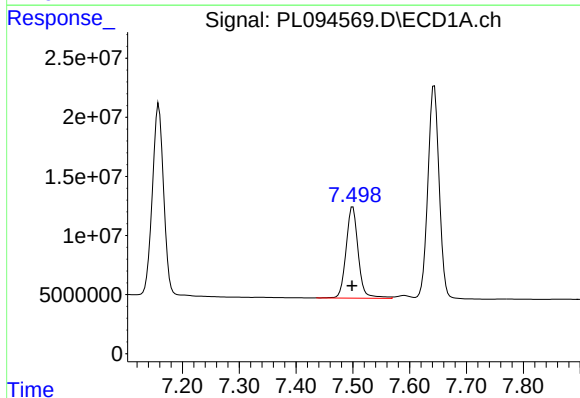
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 220288726
Conc: 97.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



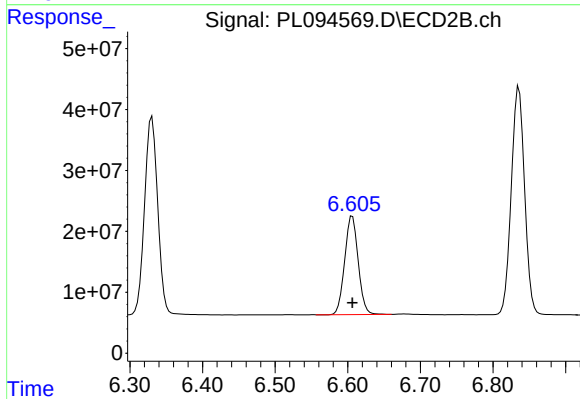
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 411435976
Conc: 101.00 ng/ml



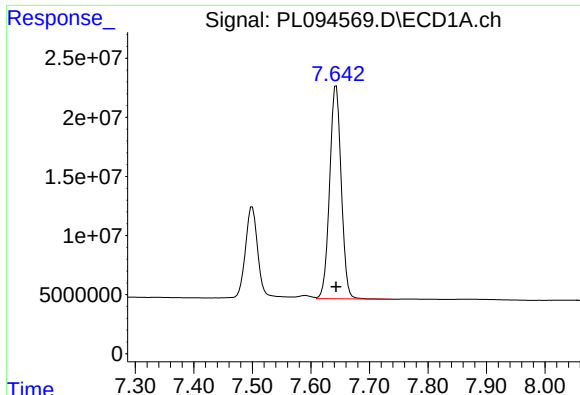
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.001 min
Response: 115119421
Conc: 101.74 ng/ml



#20 Methoxychlor

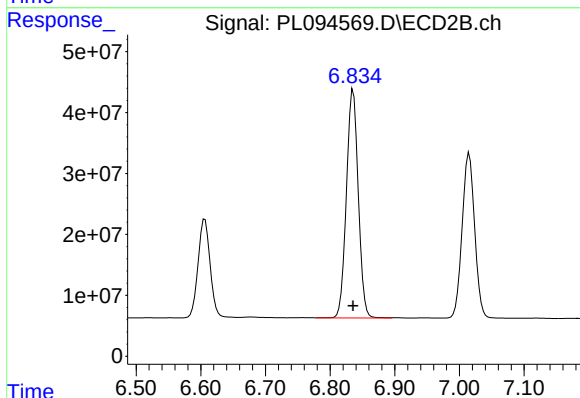
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 208916485
Conc: 99.76 ng/ml



#21 Endrin ketone

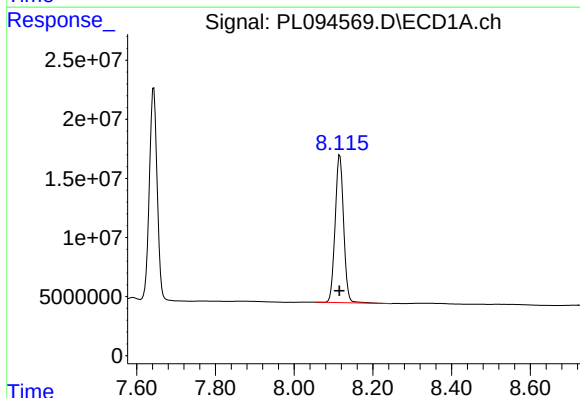
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 248530773
Conc: 99.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



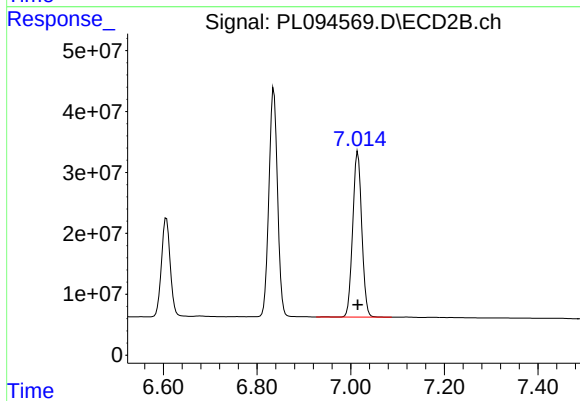
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 478749237
Conc: 100.84 ng/ml



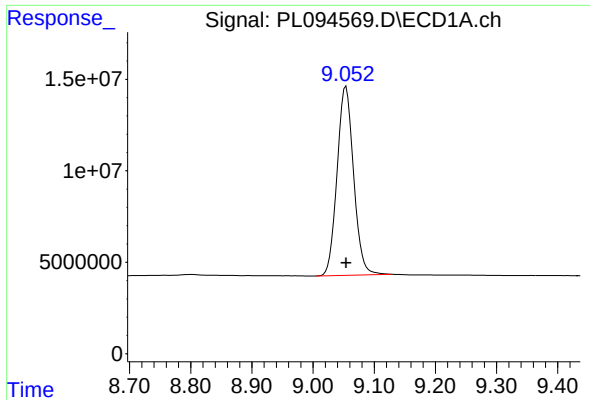
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 187064804
Conc: 98.25 ng/ml



#22 Mirex

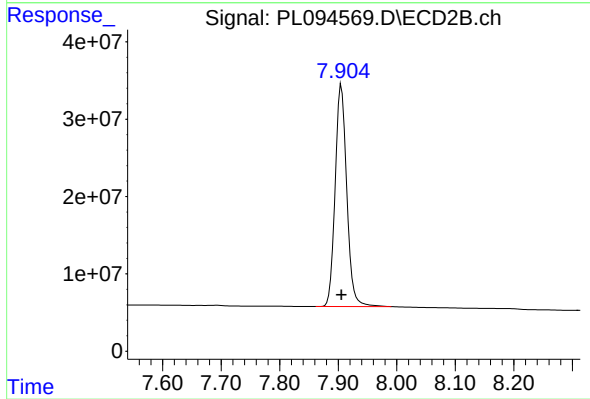
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 365572908
Conc: 99.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 193896231
Conc: 97.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 395031656
Conc: 100.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:49
 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: Mar 11 17:25:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.771	201.1E6	263.8E6	74.661	74.715
28)	SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds							
2)	A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3)	MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4)	MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5)	MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6)	B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7)	B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8)	B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9)	A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10)	B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11)	B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12)	B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13)	MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14)	MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15)	B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16)	A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17)	MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18)	B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19)	B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20)	A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21)	B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22)	Mirex	8.116	7.015	141.5E6	271.3E6	74.690	74.275

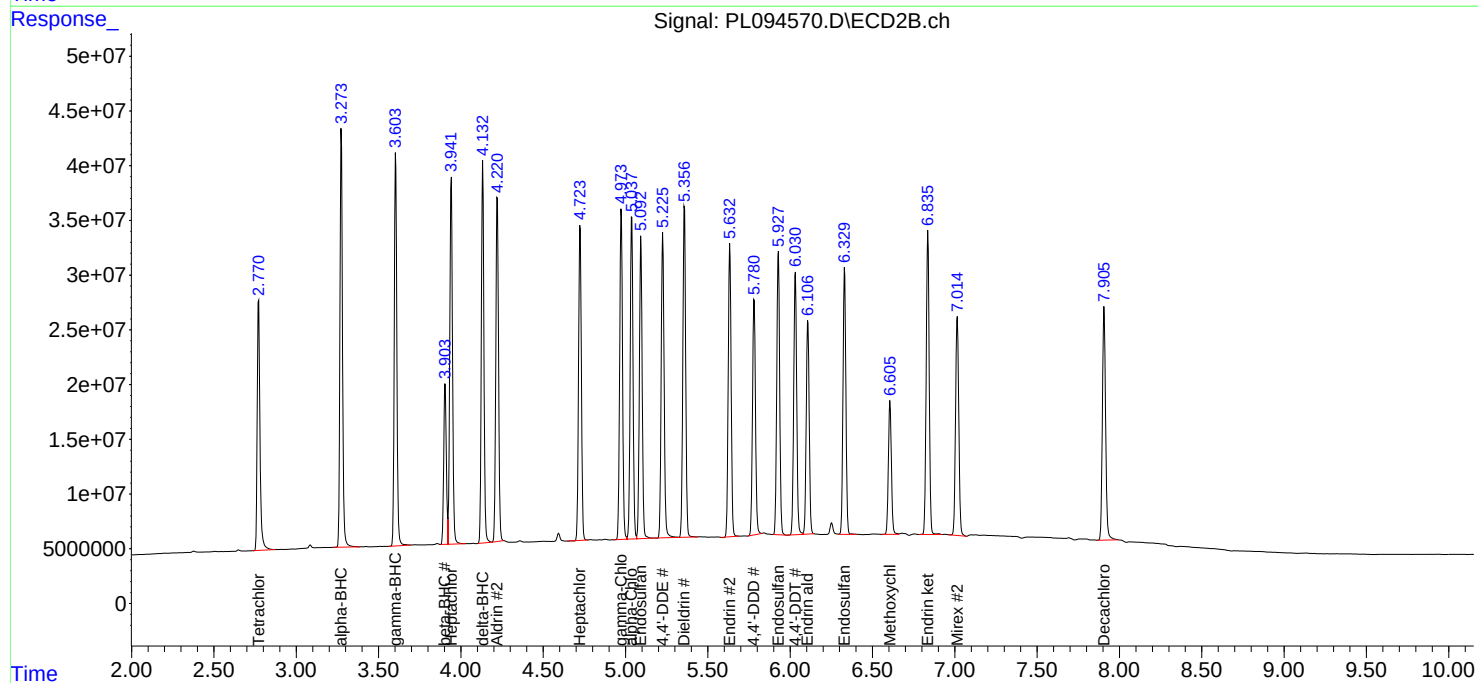
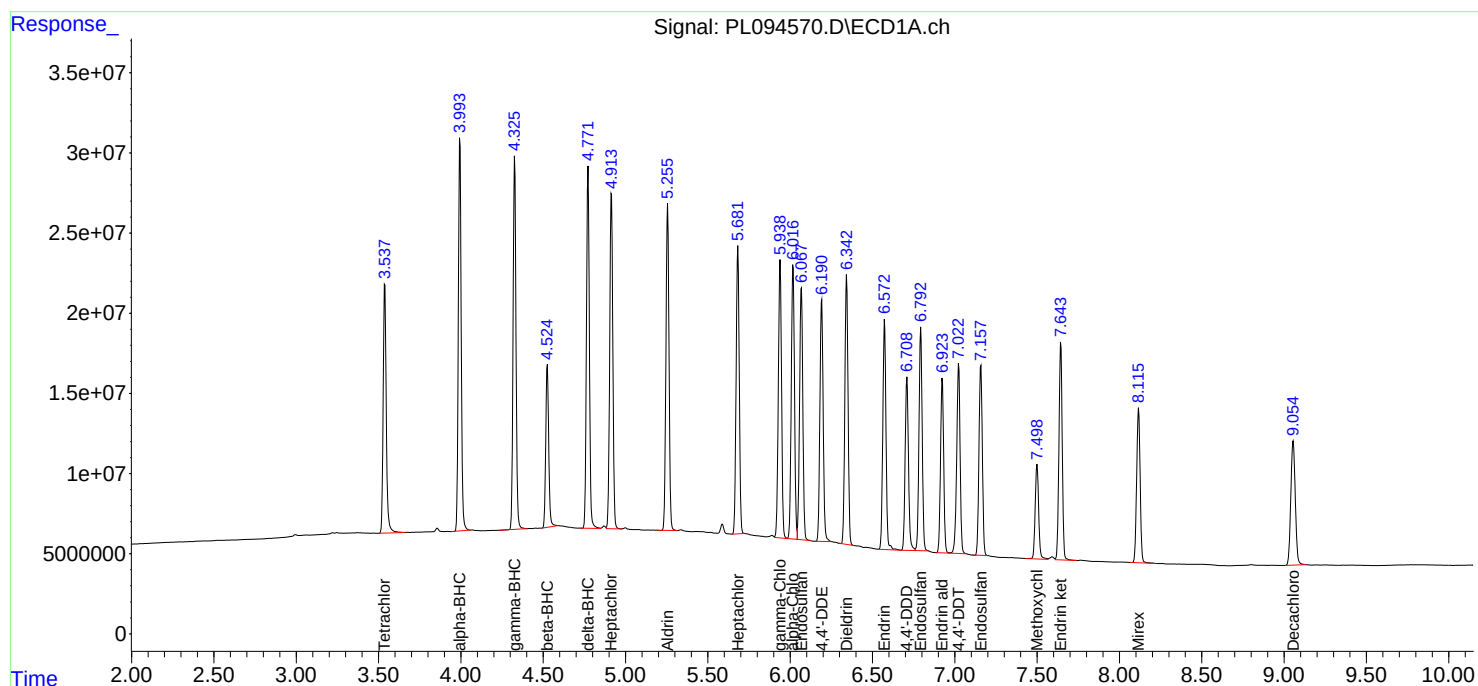
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

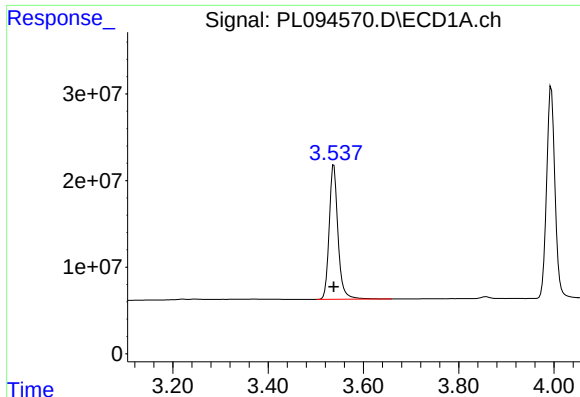
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:49
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:25:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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

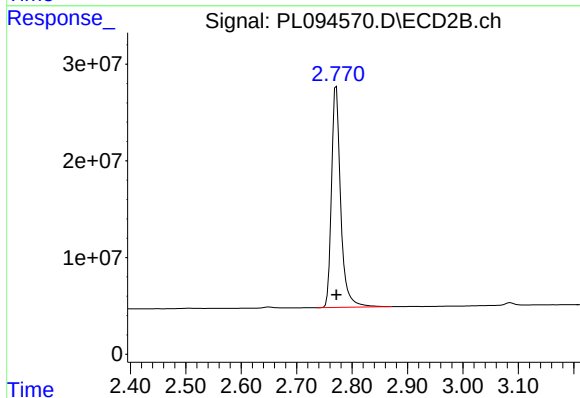




#1 Tetrachloro-m-xylene

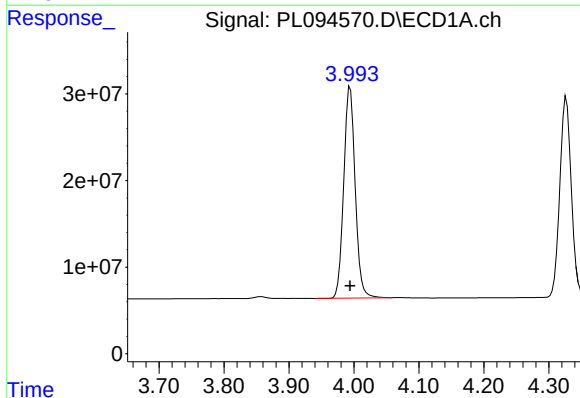
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 201142853
Conc: 74.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



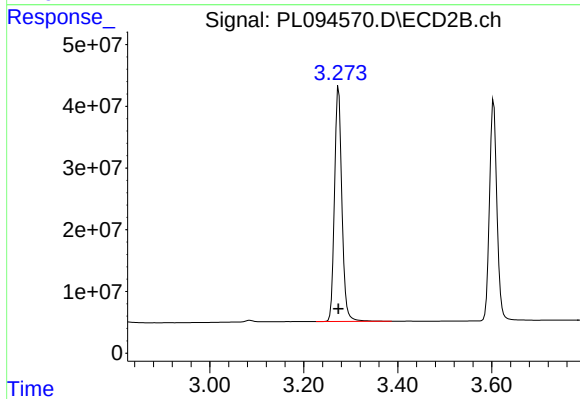
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 263799483
Conc: 74.71 ng/ml



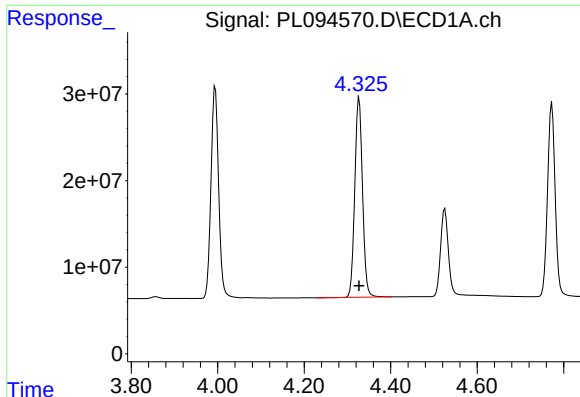
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 299674738
Conc: 74.59 ng/ml



#2 alpha-BHC

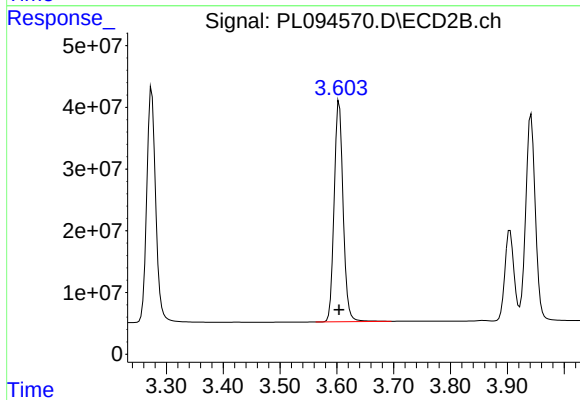
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 415112906
Conc: 74.85 ng/ml



#3 gamma-BHC (Lindane)

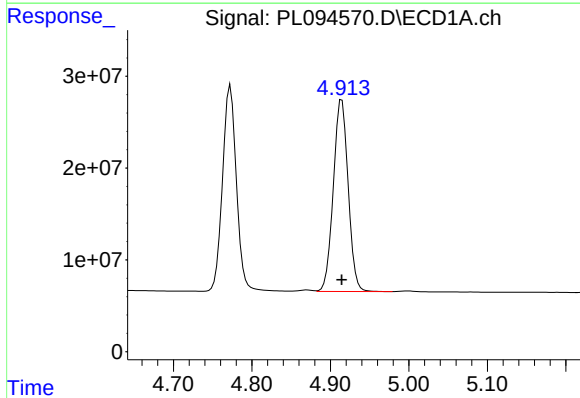
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 286840913
Conc: 74.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



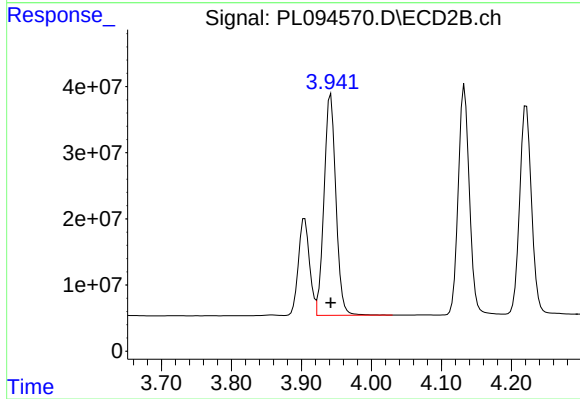
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 392257185
Conc: 74.79 ng/ml



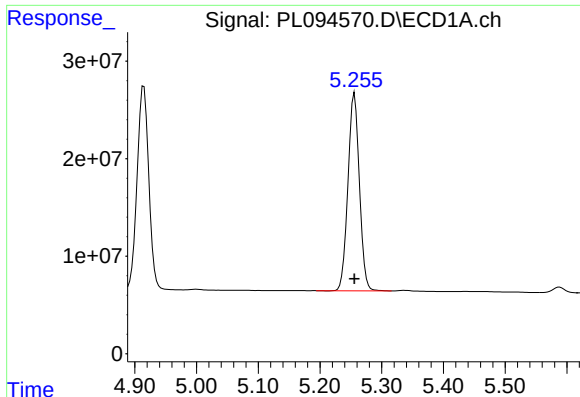
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 274574691
Conc: 74.72 ng/ml



#4 Heptachlor

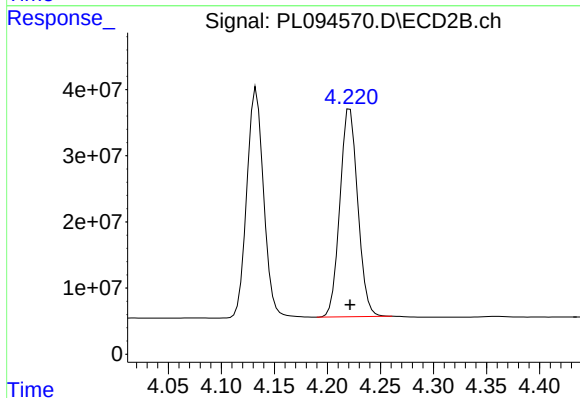
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 394705067
Conc: 74.69 ng/ml



#5 Aldrin

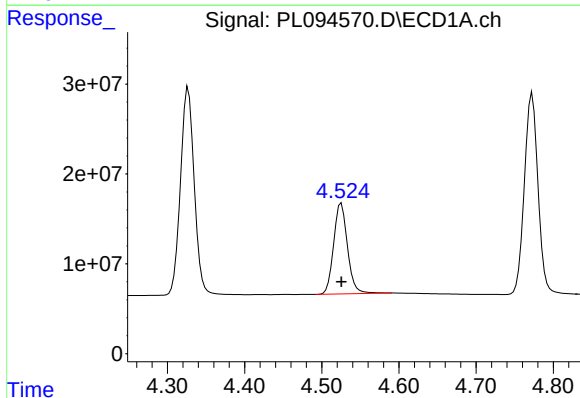
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 261288108
Conc: 74.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



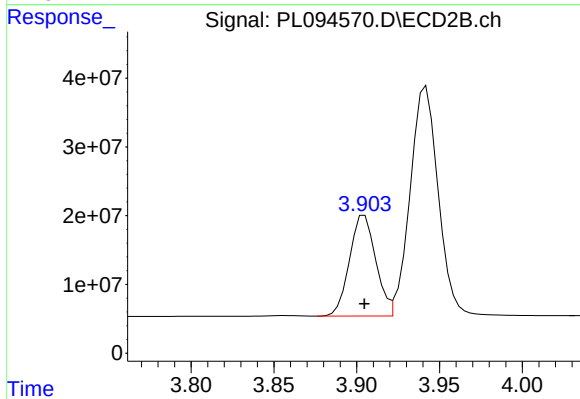
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 367798902
Conc: 74.63 ng/ml



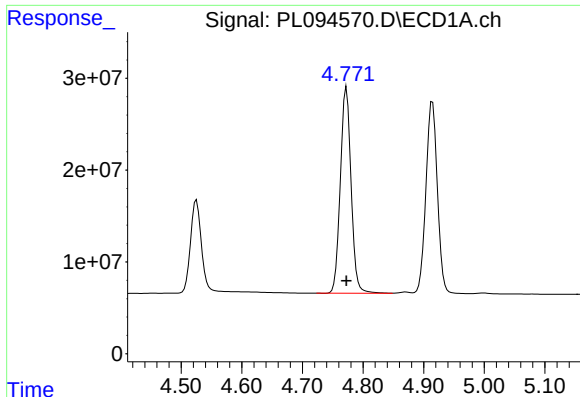
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 126613518
Conc: 74.42 ng/ml



#6 beta-BHC

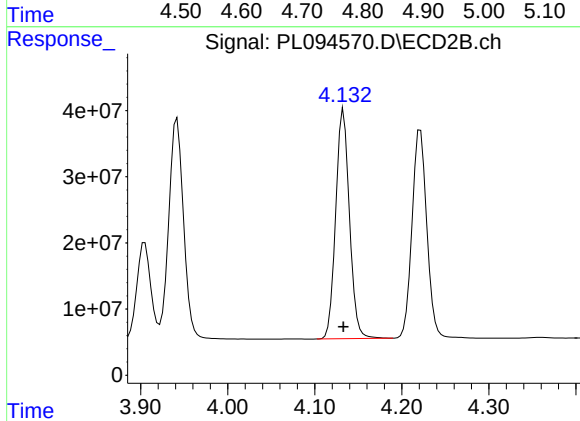
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 161729415
Conc: 74.43 ng/ml



#7 delta-BHC

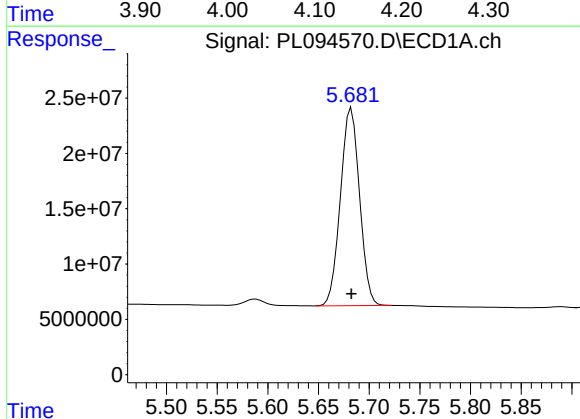
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 276213712
Conc: 74.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



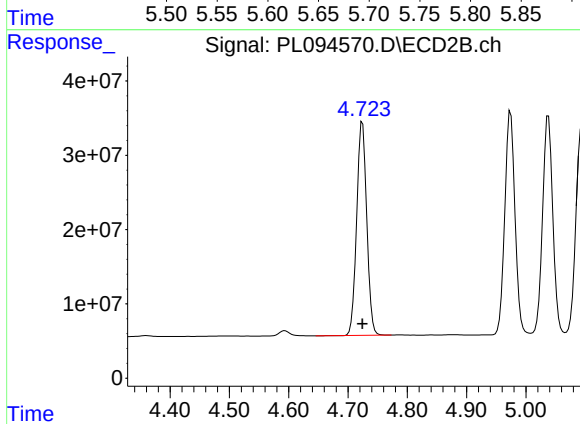
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 381584993
Conc: 74.69 ng/ml



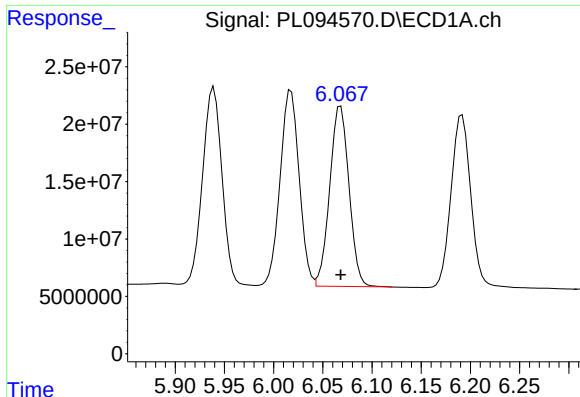
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 234307611
Conc: 74.39 ng/ml



#8 Heptachlor epoxide

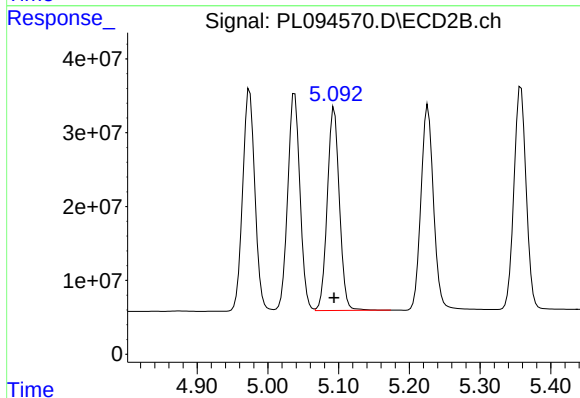
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 338947683
Conc: 74.40 ng/ml



#9 Endosulfan I

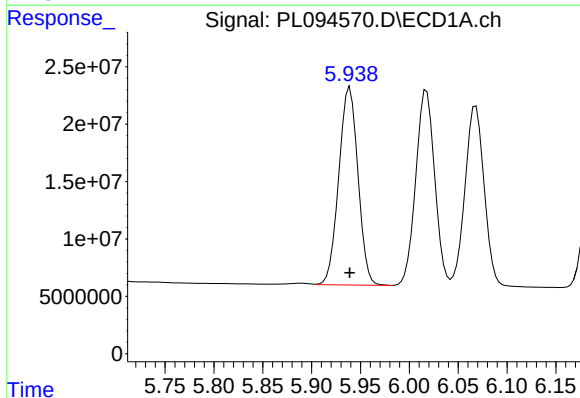
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 214077097
Conc: 74.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



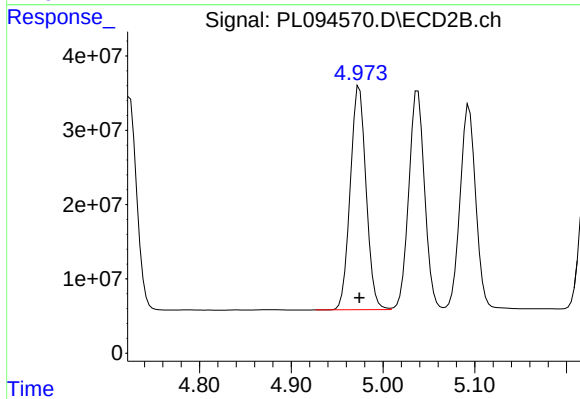
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 327058959
Conc: 74.54 ng/ml



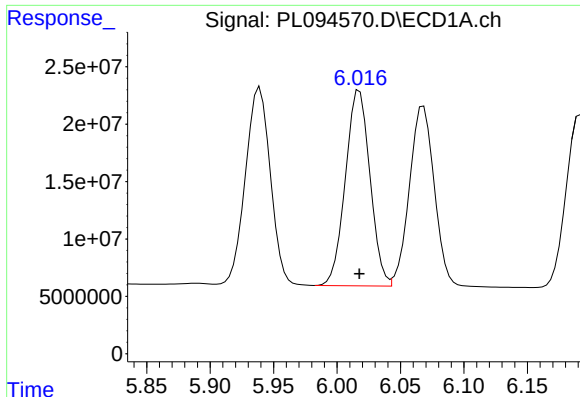
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 235979855
Conc: 74.47 ng/ml



#10 gamma-Chlordane

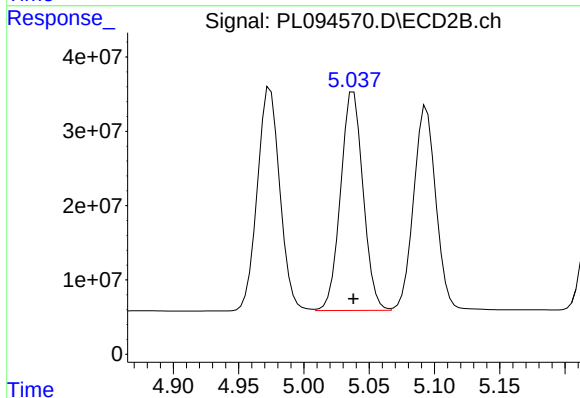
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 360471631
Conc: 74.46 ng/ml



#11 alpha-Chlordane

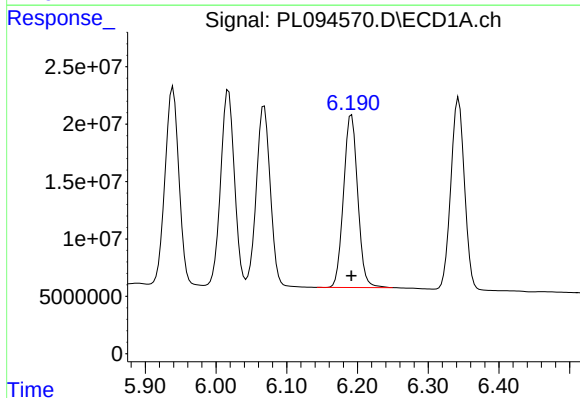
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 230043306
Conc: 74.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



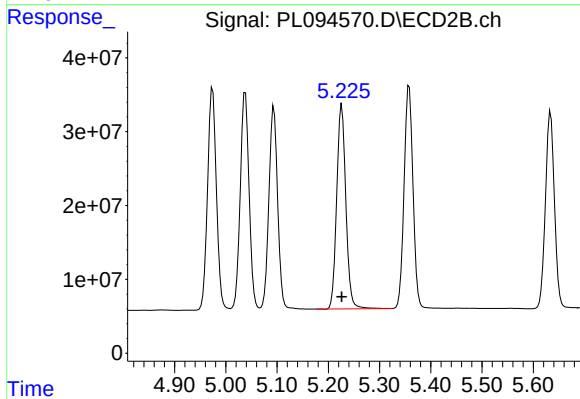
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 353614949
Conc: 74.32 ng/ml



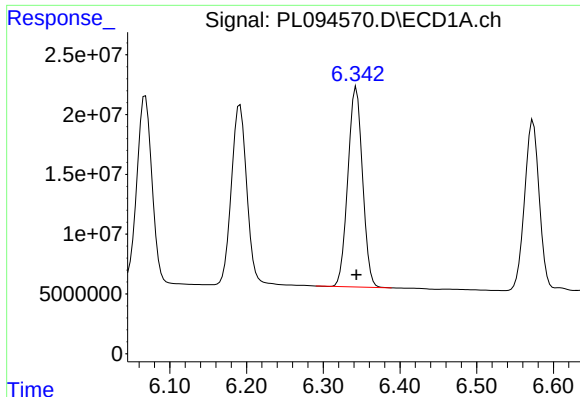
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 209341973
Conc: 74.44 ng/ml



#12 4,4'-DDE

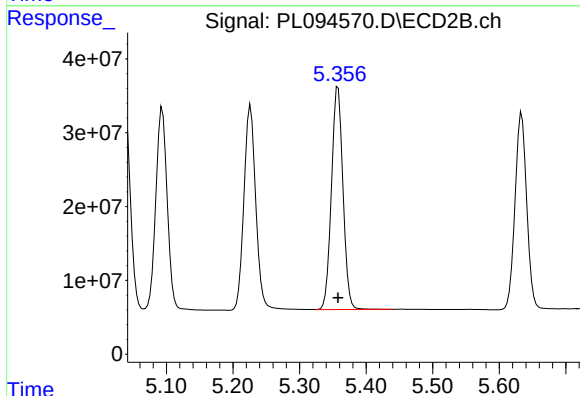
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 344267084
Conc: 74.11 ng/ml



#13 Dieldrin

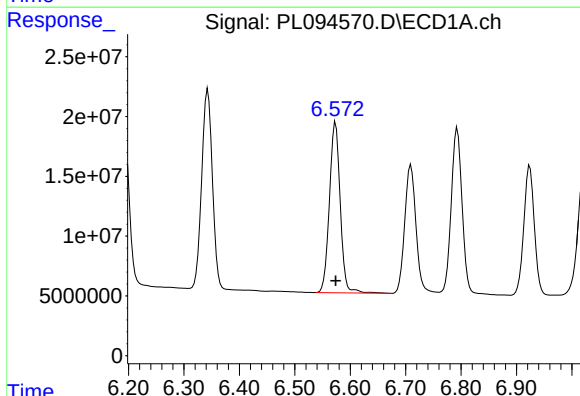
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 223314903
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



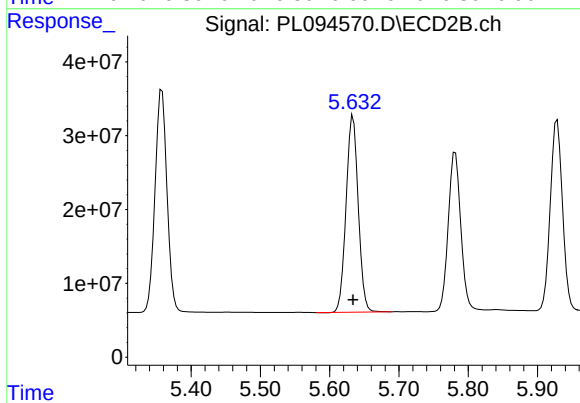
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 363943892
Conc: 74.60 ng/ml



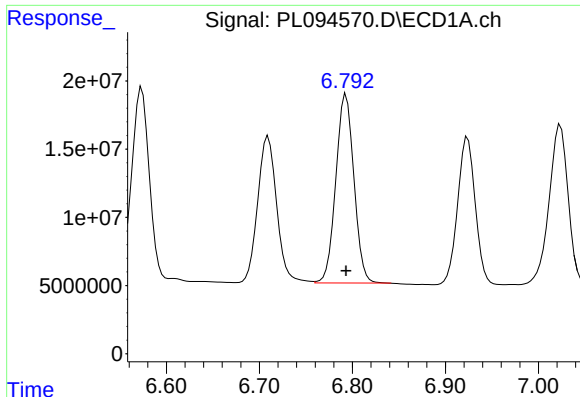
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 193850510
Conc: 74.56 ng/ml



#14 Endrin

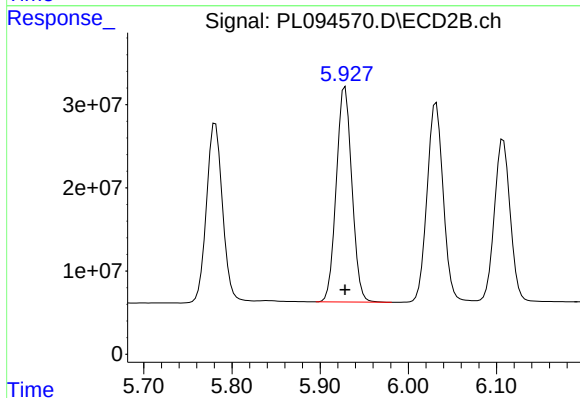
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 324396614
Conc: 74.37 ng/ml



#15 Endosulfan II

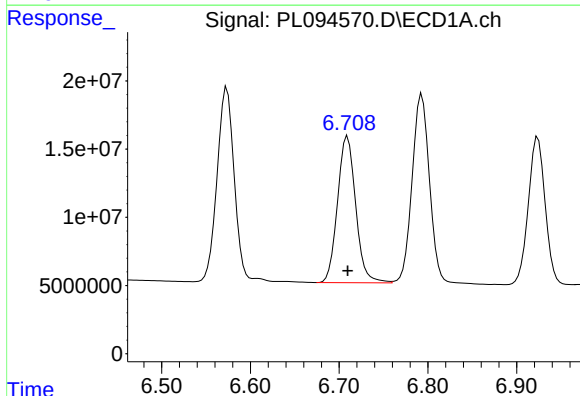
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 187131432
Conc: 74.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



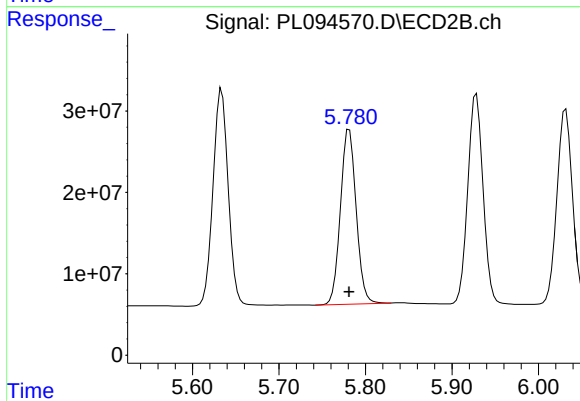
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 317833183
Conc: 74.26 ng/ml



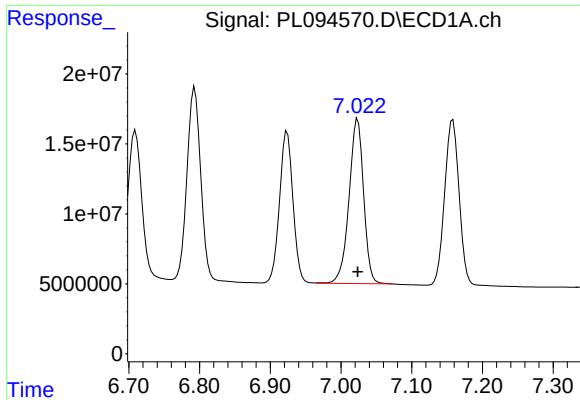
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 152854261
Conc: 74.08 ng/ml



#16 4,4'-DDD

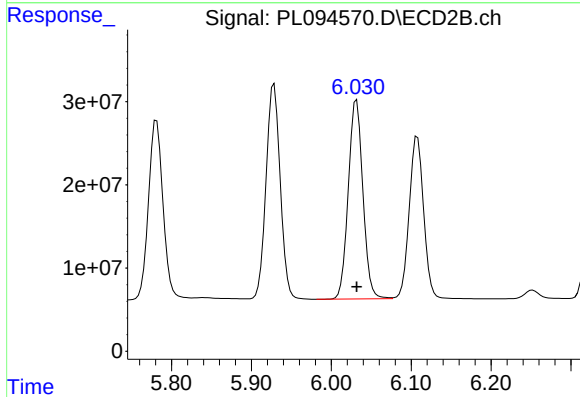
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 269957054
Conc: 74.12 ng/ml



#17 4,4'-DDT

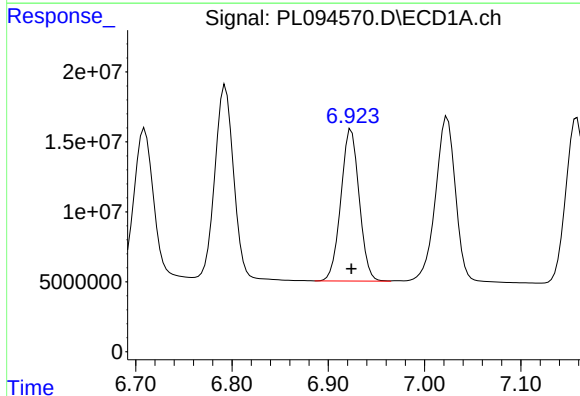
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 169409218
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



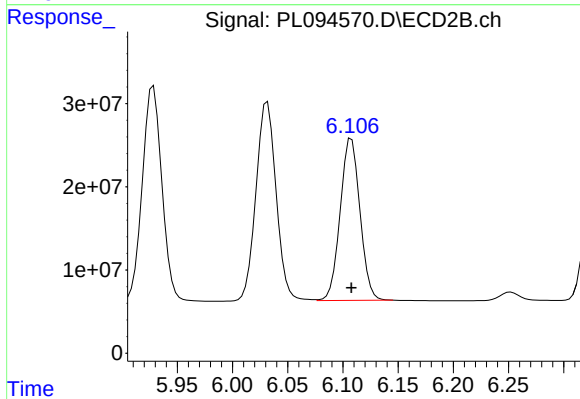
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 304588533
Conc: 74.40 ng/ml



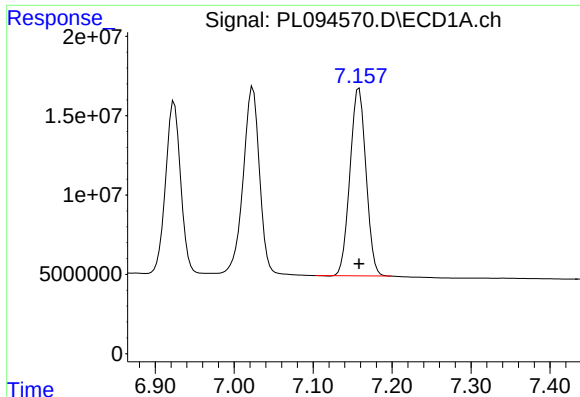
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 143367924
Conc: 74.08 ng/ml



#18 Endrin aldehyde

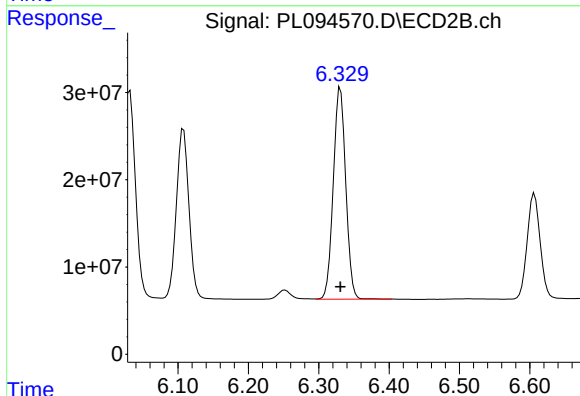
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 242485357
Conc: 74.13 ng/ml



#19 Endosulfan Sulfate

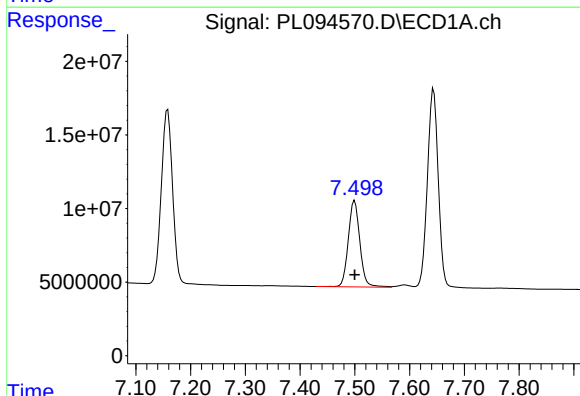
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 167119326
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



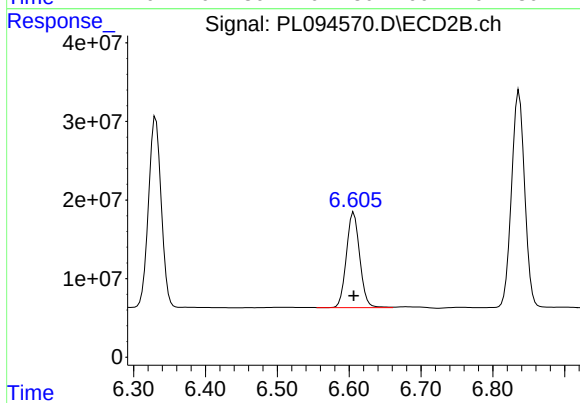
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 298376745
Conc: 73.82 ng/ml



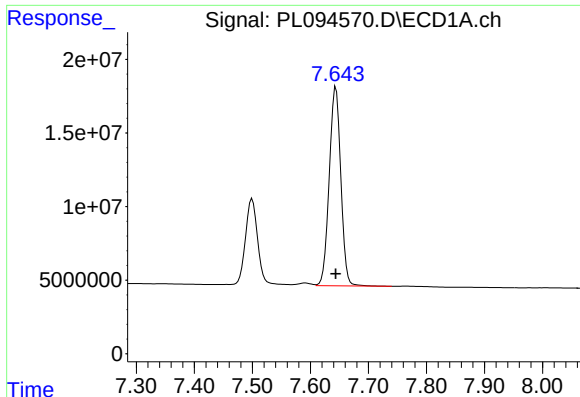
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 86133491
Conc: 75.87 ng/ml



#20 Methoxychlor

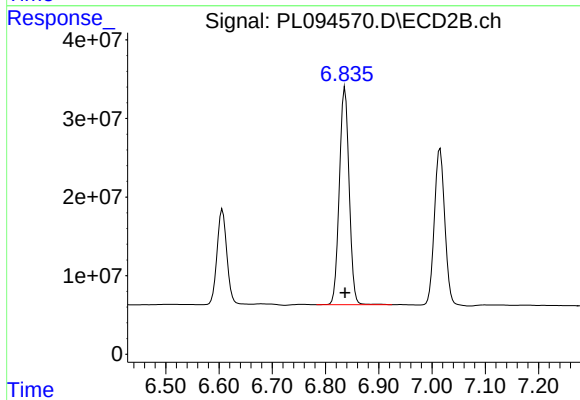
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 156422121
Conc: 74.79 ng/ml



#21 Endrin ketone

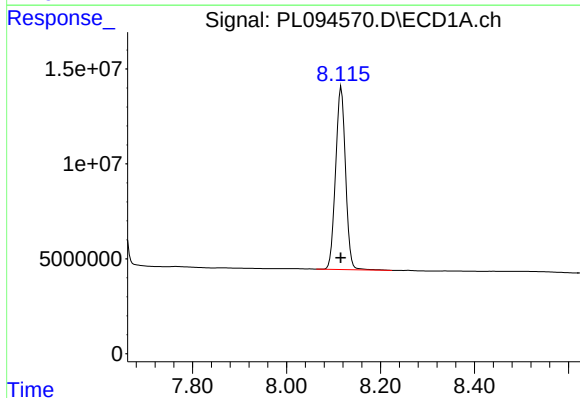
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 186691823
Conc: 74.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



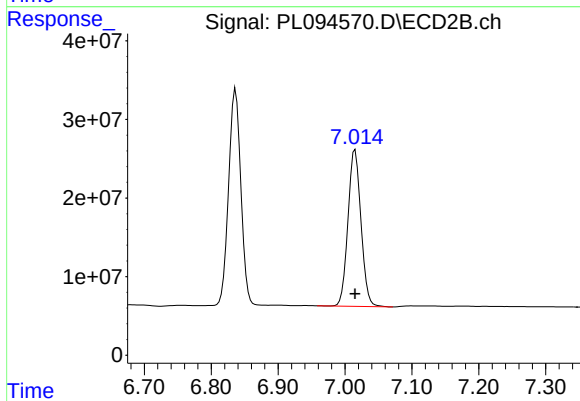
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 351951268
Conc: 74.42 ng/ml



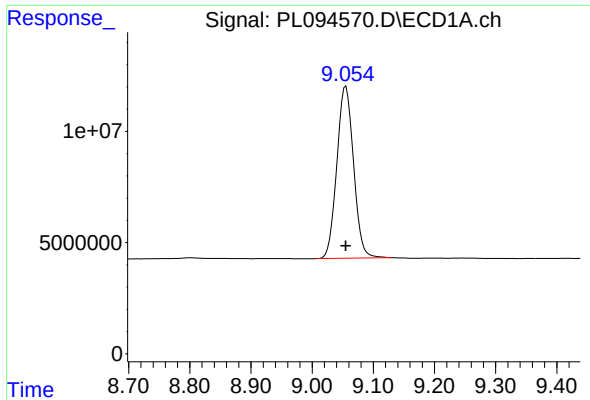
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 141505595
Conc: 74.69 ng/ml



#22 Mirex

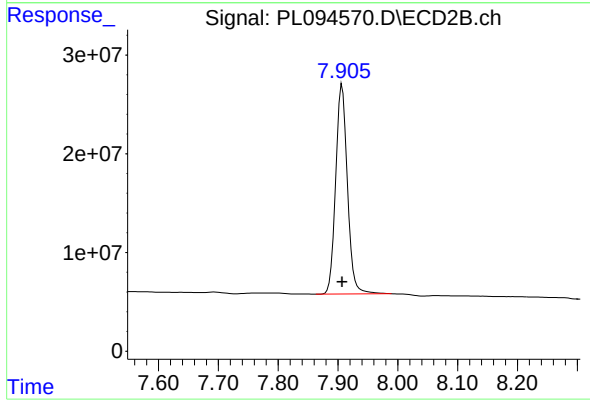
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 271252738
Conc: 74.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 147082223
Conc: 74.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 290138744
Conc: 74.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:29
 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: Mar 11 17:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 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	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.226	16237816	24538746	5.519	5.277
13) MA Dieldrin	6.343	5.357	18519033	24971481	5.791	5.143
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.836	15012445	24808186	5.679	5.164
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

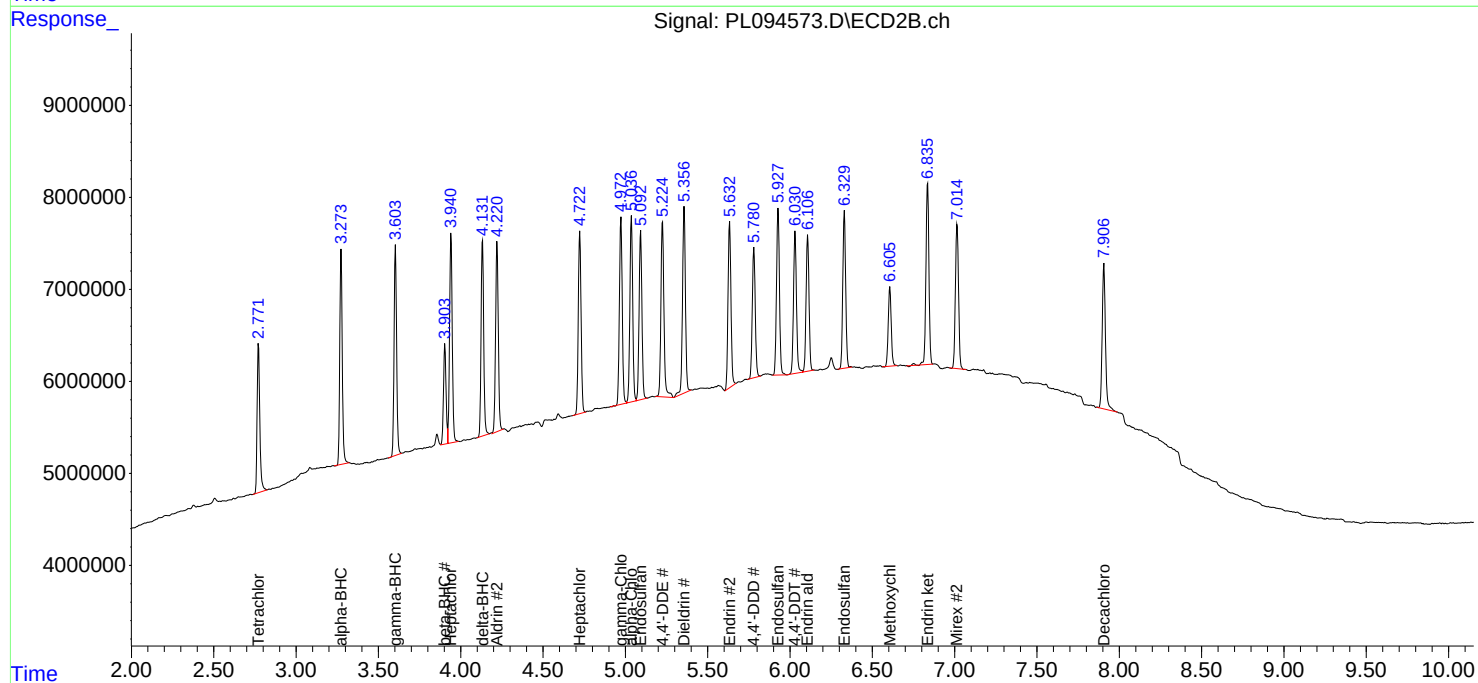
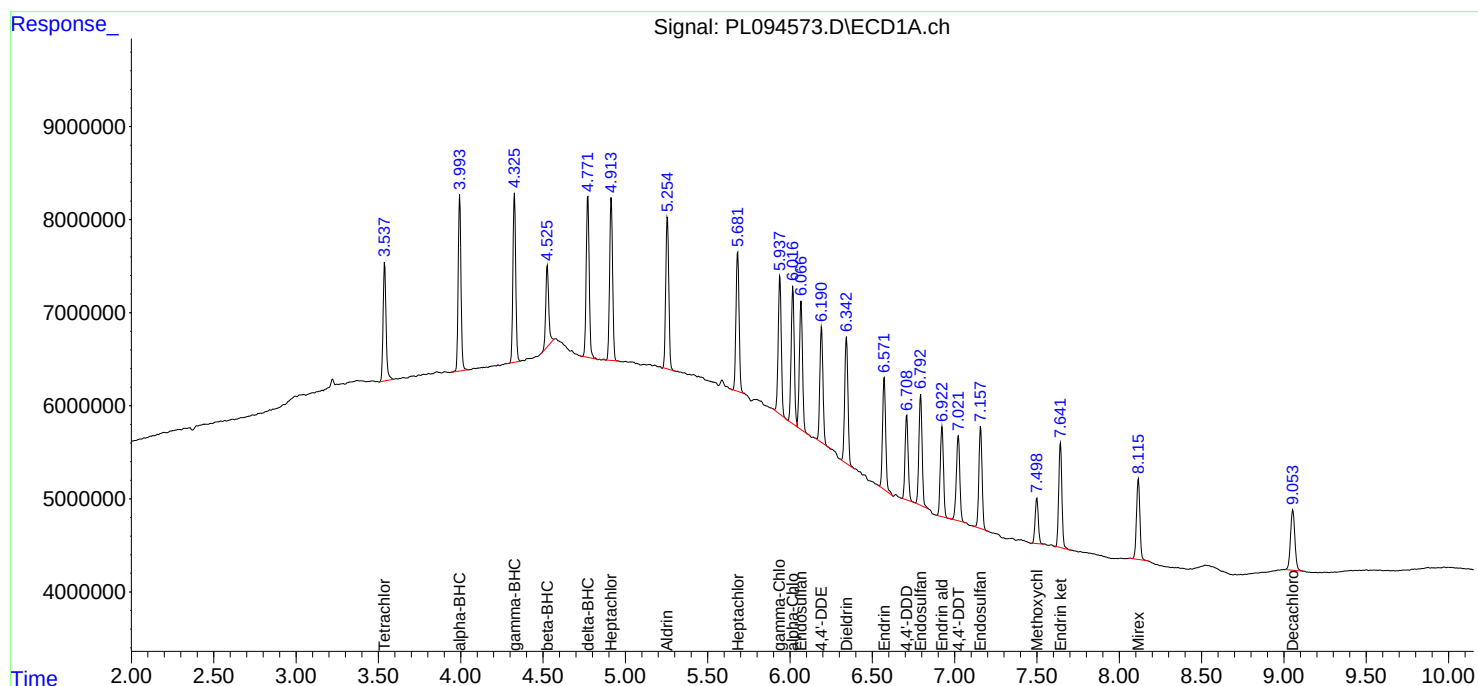
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

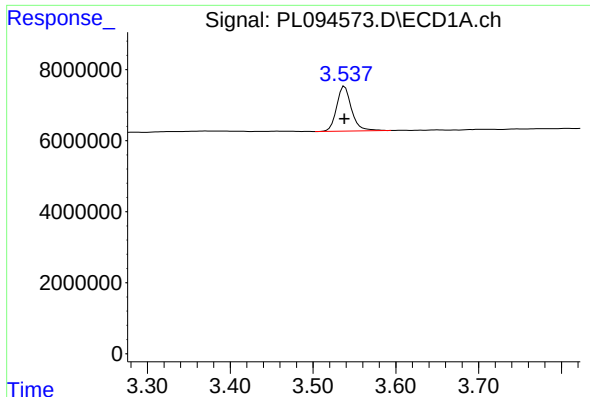
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 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

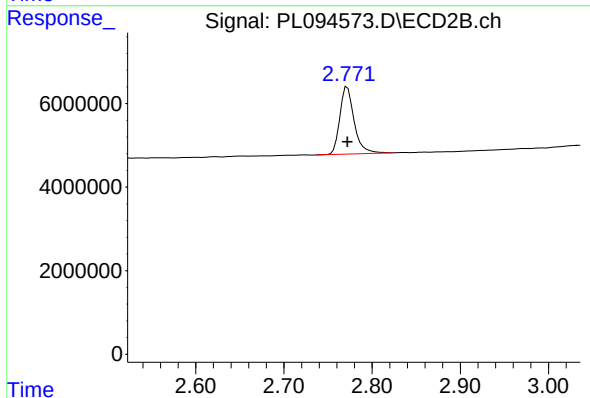




#1 Tetrachloro-m-xylene

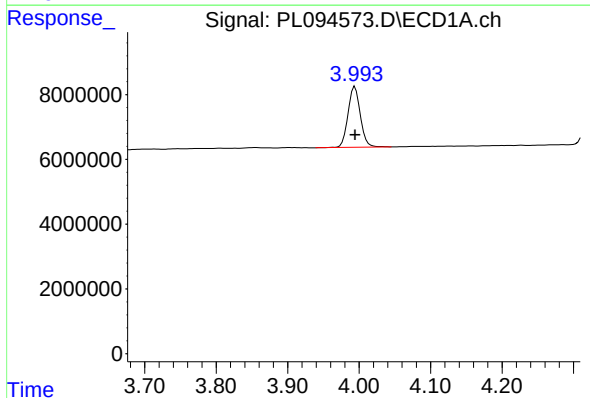
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 15742011
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



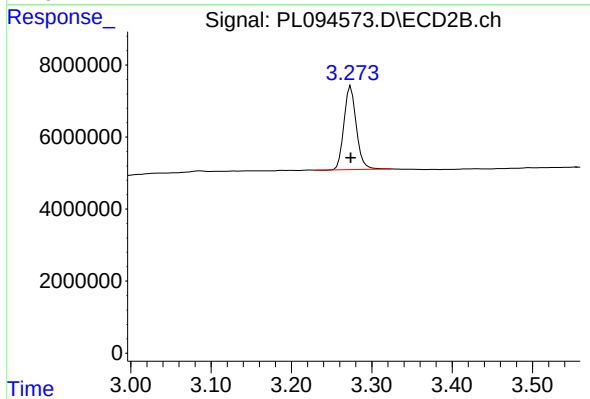
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 18150694
Conc: 5.09 ng/ml



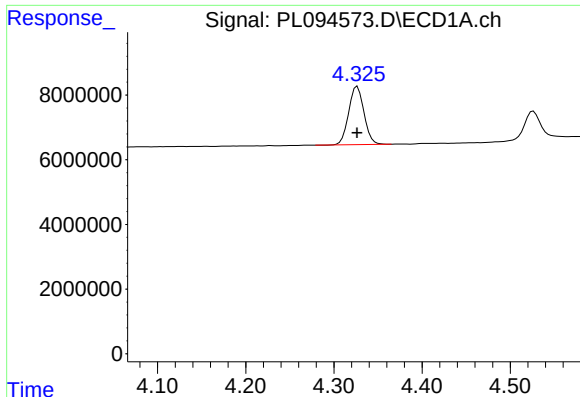
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 22508812
Conc: 5.42 ng/ml



#2 alpha-BHC

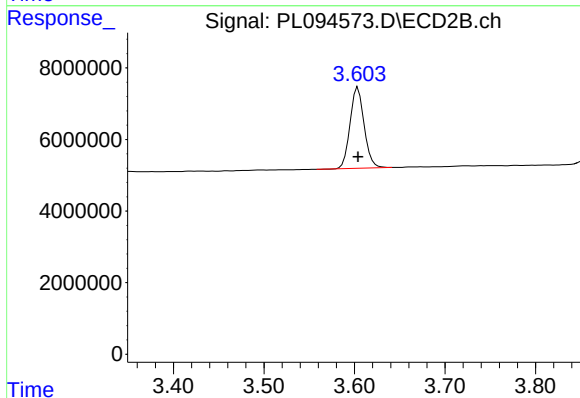
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 24676980
Conc: 4.58 ng/ml



#3 gamma-BHC (Lindane)

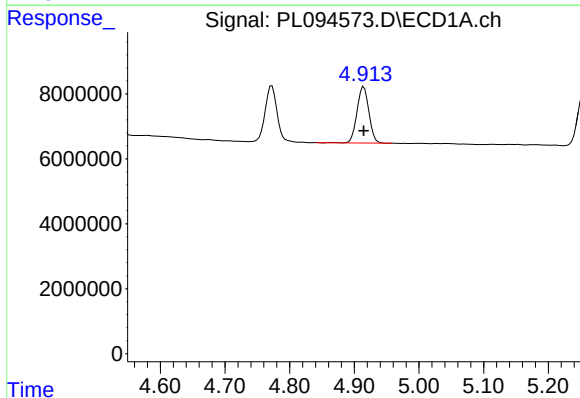
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 21692650
Conc: 5.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



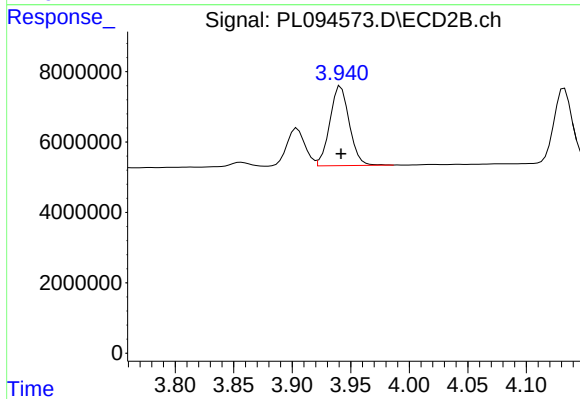
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 24458202
Conc: 4.76 ng/ml



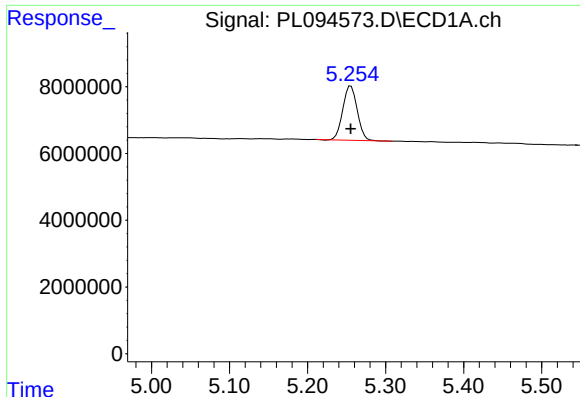
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 22087992
Conc: 5.69 ng/ml



#4 Heptachlor

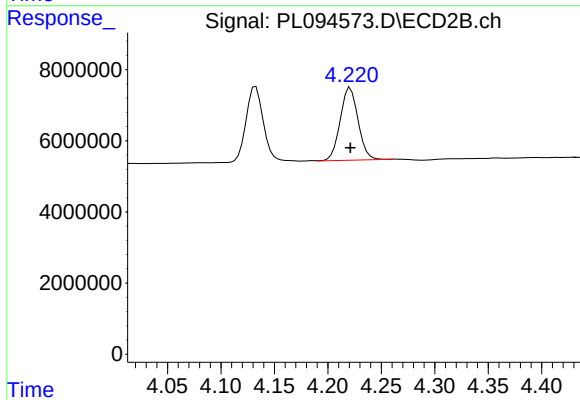
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 26077247
Conc: 4.95 ng/ml



#5 Aldrin

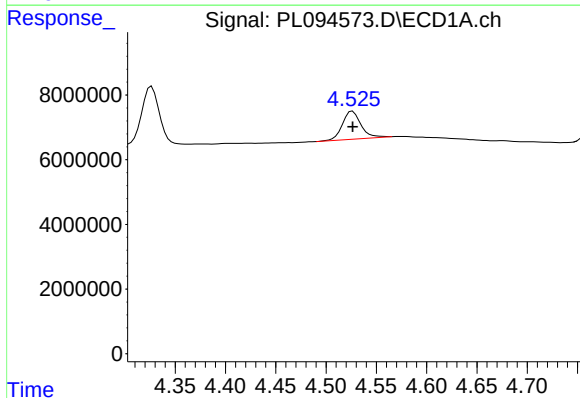
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20957367
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



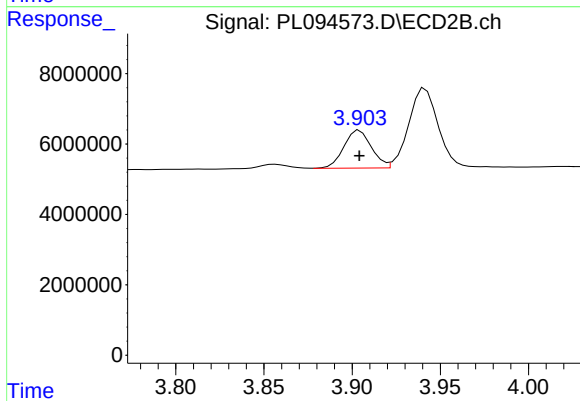
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 23908309
Conc: 4.90 ng/ml



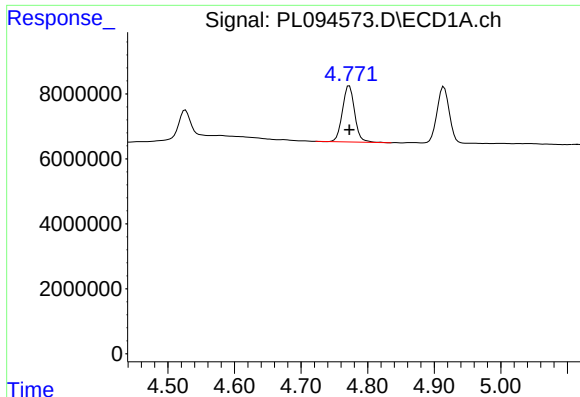
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 10995992
Conc: 5.96 ng/ml



#6 beta-BHC

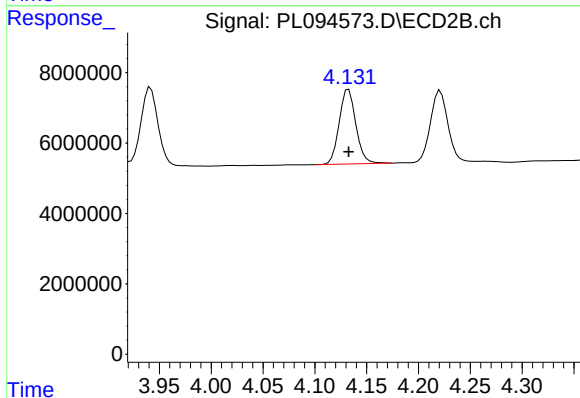
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 11686040
Conc: 5.26 ng/ml



#7 delta-BHC

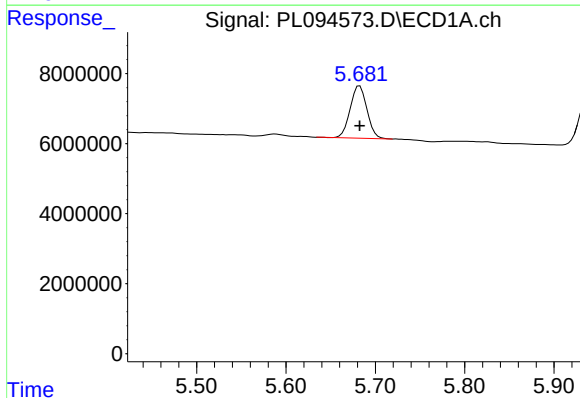
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 22020853
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



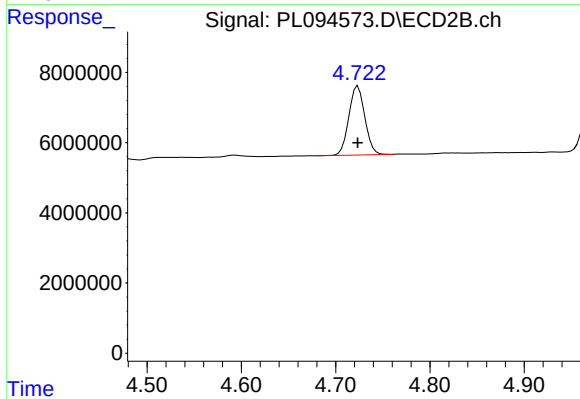
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 23699092
Conc: 4.74 ng/ml



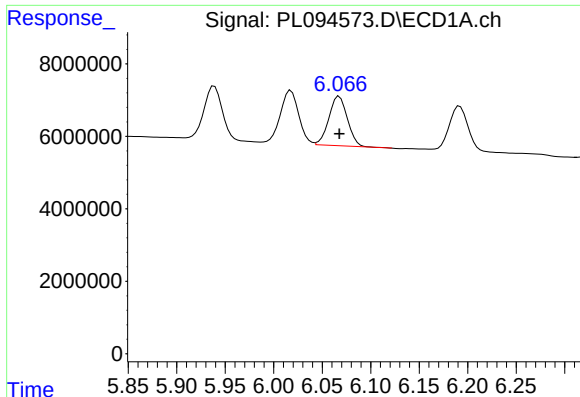
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 19453698
Conc: 5.82 ng/ml



#8 Heptachlor epoxide

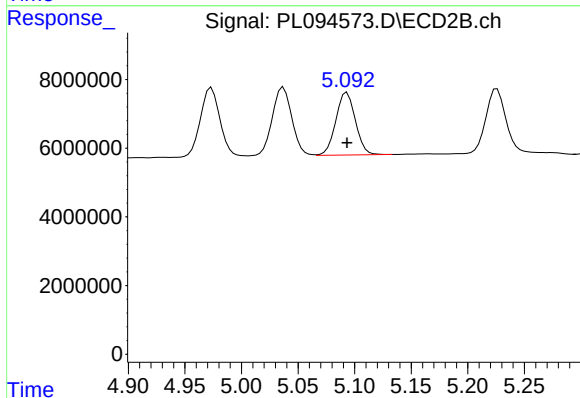
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 23158906
Conc: 5.06 ng/ml



#9 Endosulfan I

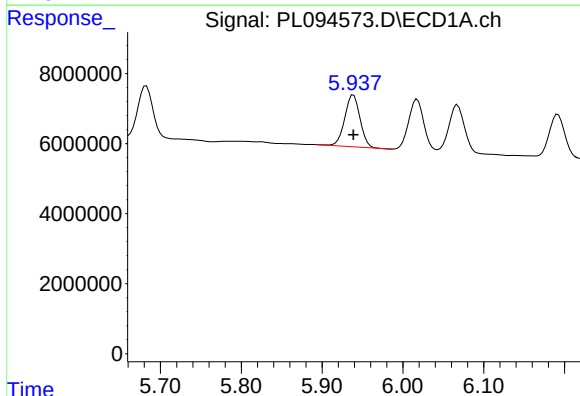
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17891515
Conc: 5.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



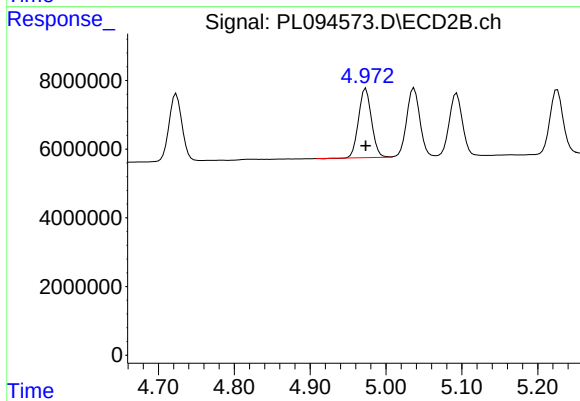
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21935089
Conc: 5.00 ng/ml



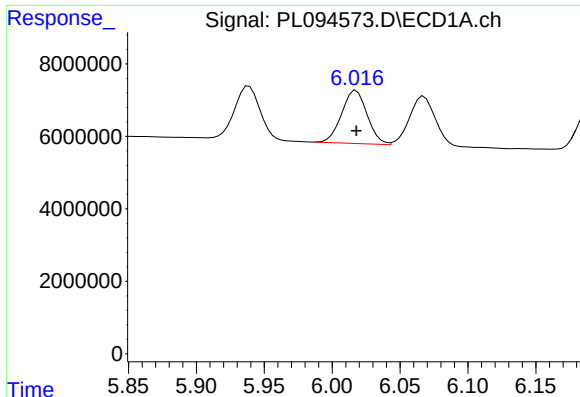
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 19554071
Conc: 5.80 ng/ml



#10 gamma-Chlordane

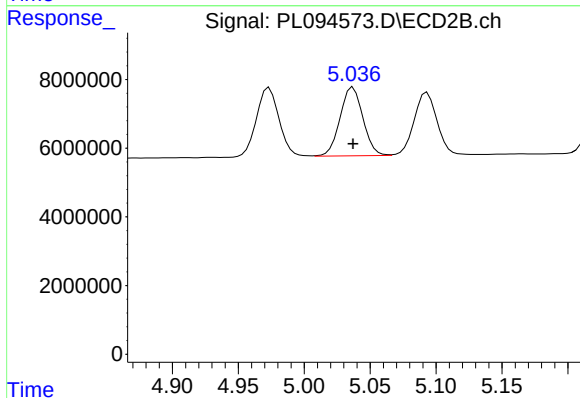
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 24034465
Conc: 4.98 ng/ml



#11 alpha-Chlordane

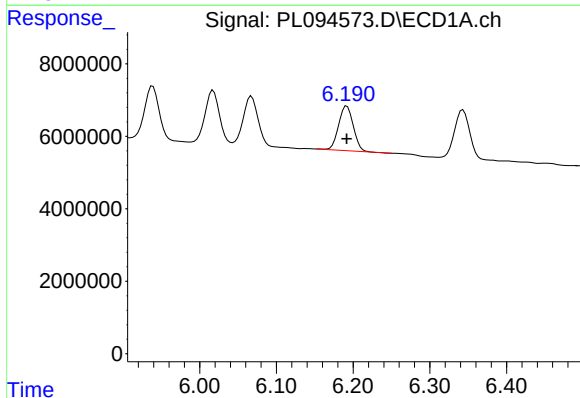
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 19118493
Conc: 5.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



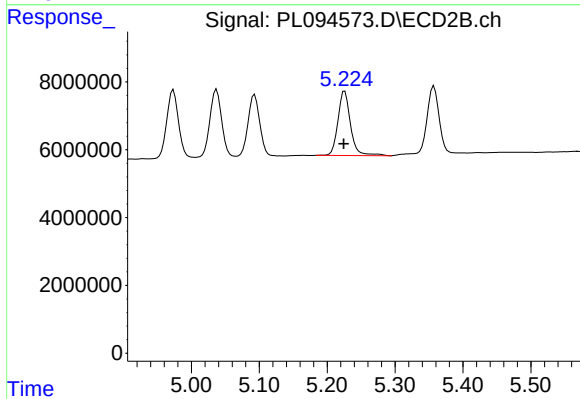
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 24149442
Conc: 5.06 ng/ml



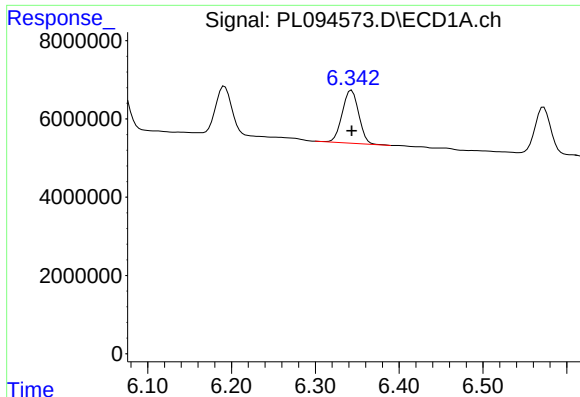
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 16237816
Conc: 5.52 ng/ml



#12 4,4'-DDE

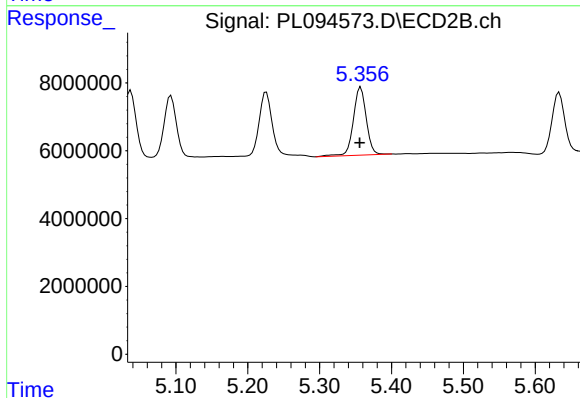
R.T.: 5.226 min
Delta R.T.: 0.001 min
Response: 24538746
Conc: 5.28 ng/ml



#13 Dieldrin

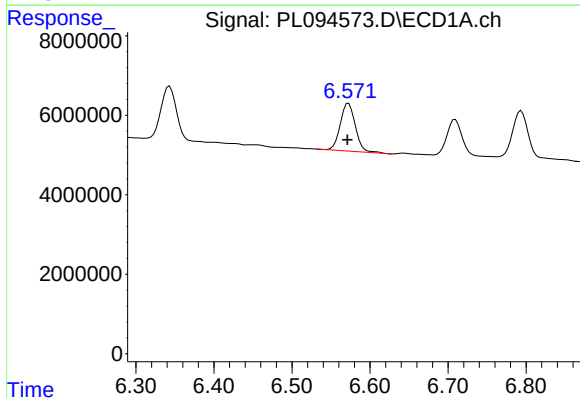
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 18519033
Conc: 5.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



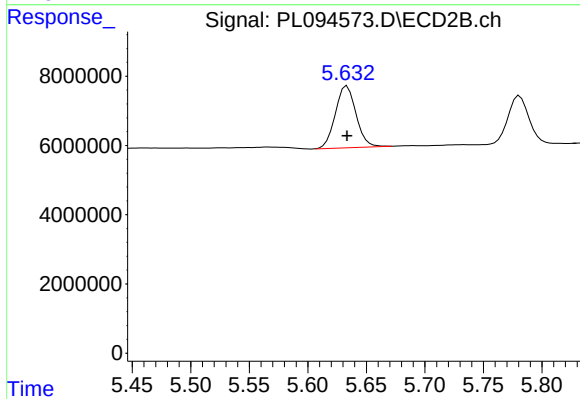
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.001 min
Response: 24971481
Conc: 5.14 ng/ml



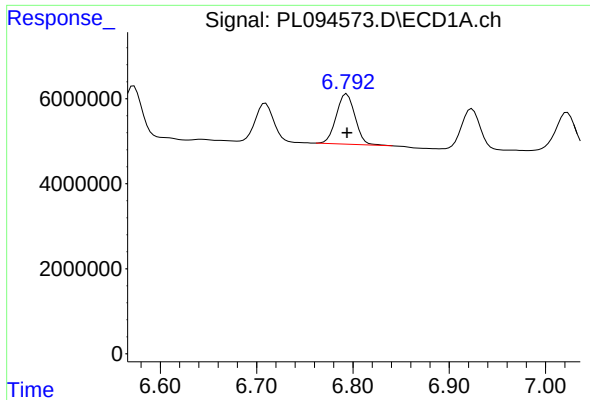
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 16250514
Conc: 5.93 ng/ml



#14 Endrin

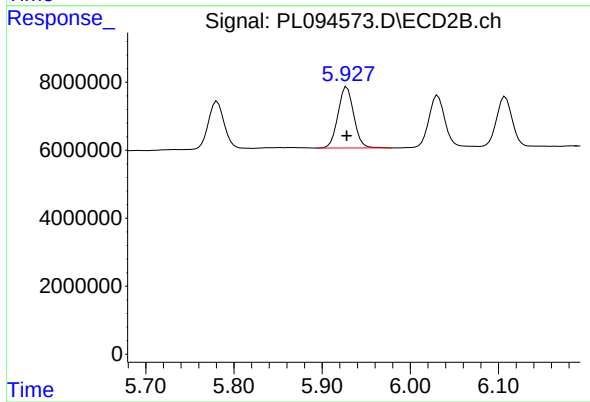
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 22009138
Conc: 5.04 ng/ml



#15 Endosulfan II

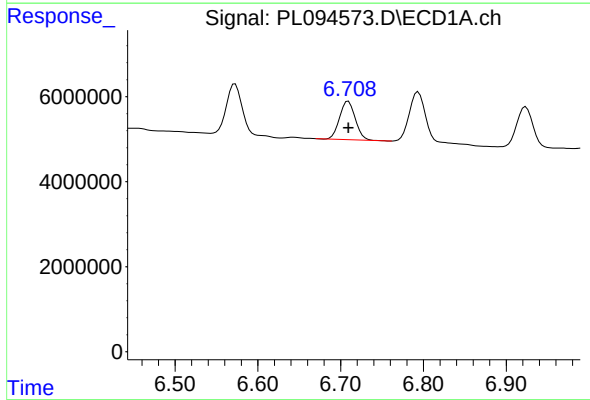
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 15955971
Conc: 5.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



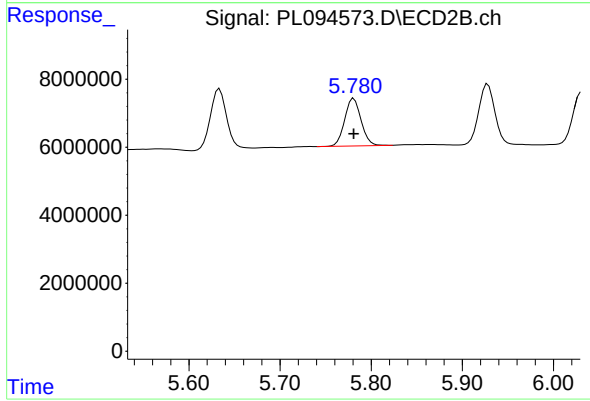
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 22294667
Conc: 5.15 ng/ml



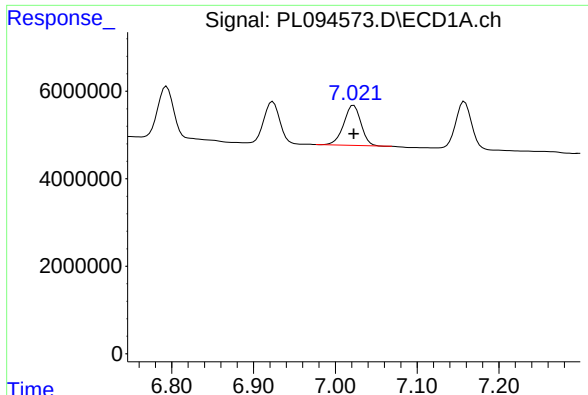
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 12006590
Conc: 5.54 ng/ml



#16 4,4'-DDD

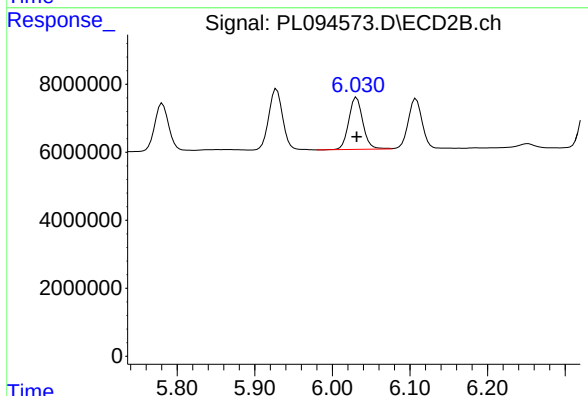
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 17465773
Conc: 4.86 ng/ml



#17 4,4'-DDT

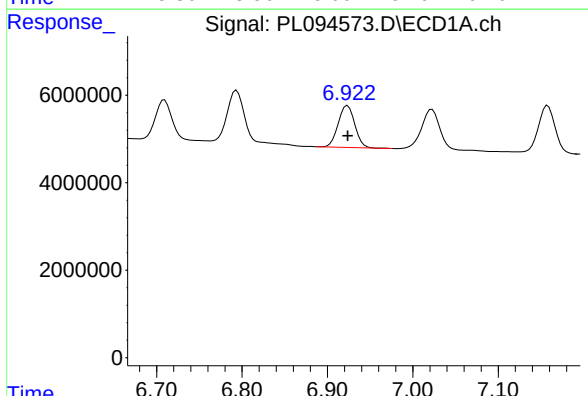
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 13292713
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



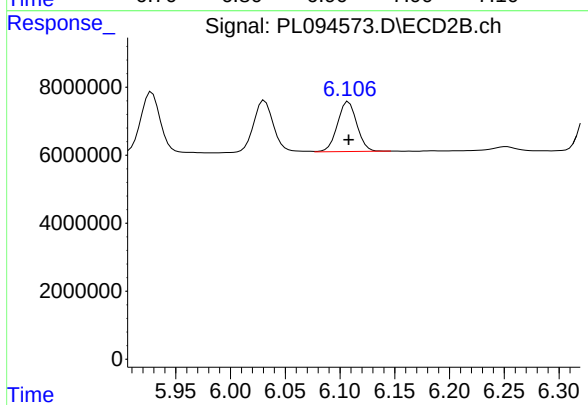
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 19335325
Conc: 4.80 ng/ml



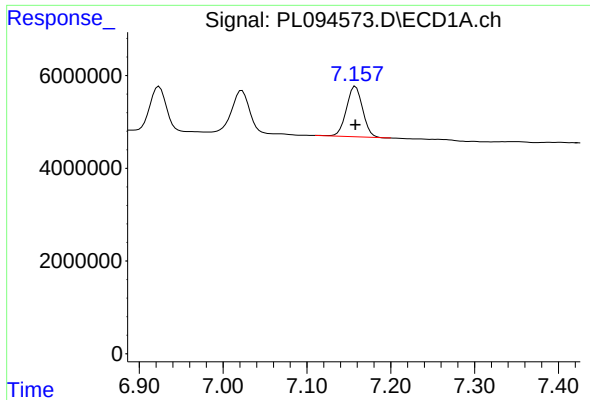
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 12931122
Conc: 6.13 ng/ml



#18 Endrin aldehyde

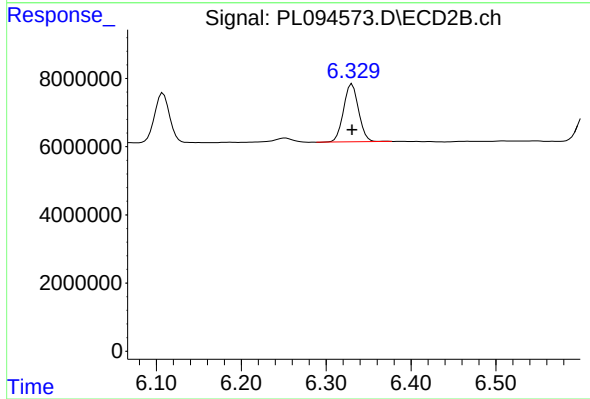
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 18117904
Conc: 5.38 ng/ml



#19 Endosulfan Sulfate

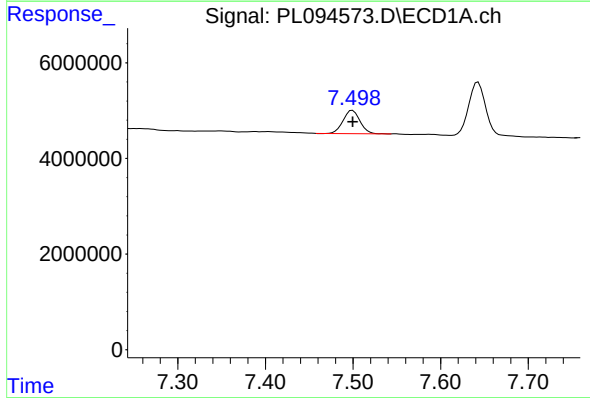
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 14569704
Conc: 5.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



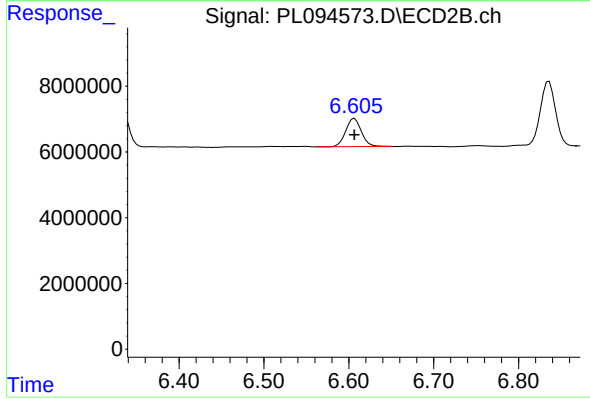
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 20835311
Conc: 5.11 ng/ml



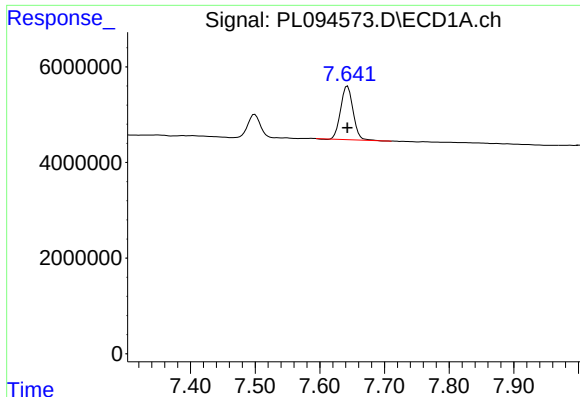
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 6518266
Conc: 5.45 ng/ml



#20 Methoxychlor

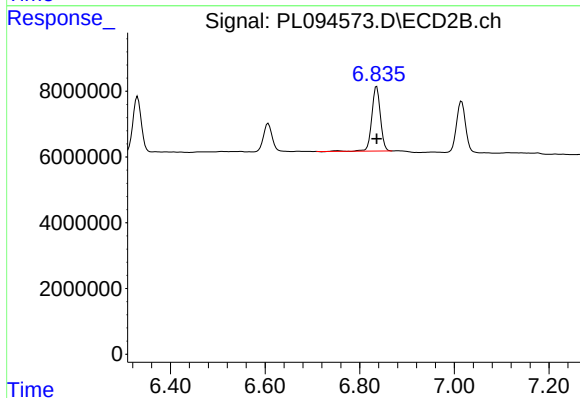
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 10878189
Conc: 5.13 ng/ml



#21 Endrin ketone

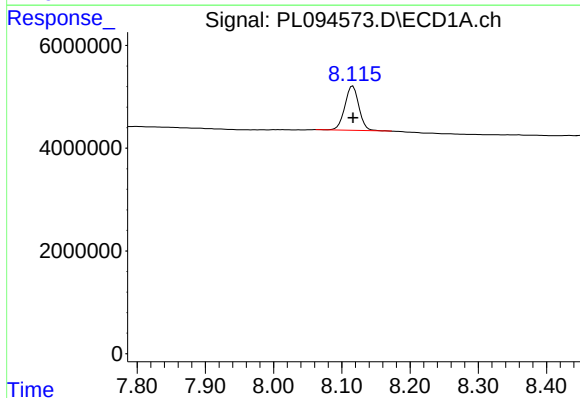
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 15012445
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



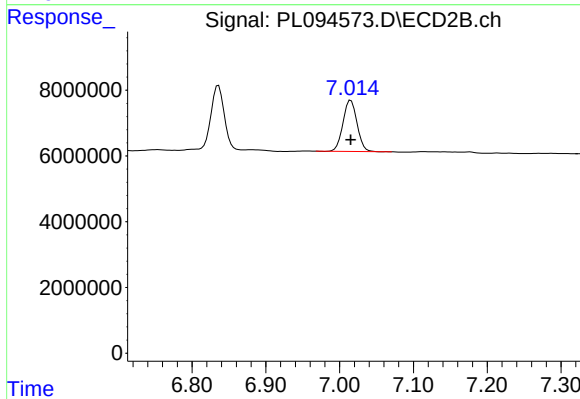
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 24808186
Conc: 5.16 ng/ml



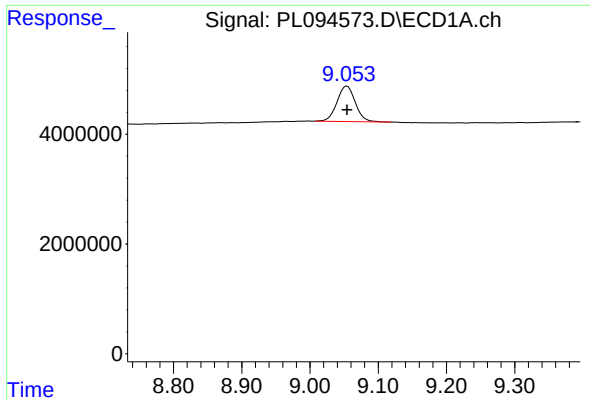
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 12387768
Conc: 6.00 ng/ml



#22 Mirex

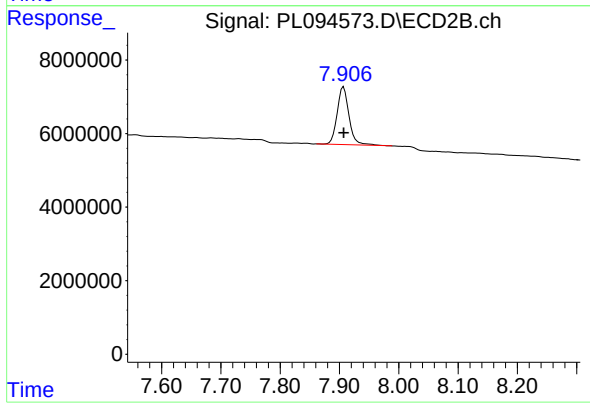
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 20631086
Conc: 5.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 12102935
Conc: 5.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 21893845
Conc: 5.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094732.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 09:09
 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: Mar 20 02:01:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.771	57500250	72475381	20.313	20.305
28) SA Decachlor...	9.051	7.903	45319448	72362955	21.504	17.914
Target Compounds						
2) A alpha-BHC	3.993	3.273	43028992	51892743	10.363	9.625
3) MA gamma-BHC...	4.325	3.603	41625483	50014476	10.432	9.731
6) B beta-BHC	4.524	3.903	19544724	24858635	10.592	11.191
14) MA Endrin	6.572	5.631	118.3E6	197.5E6	42.664	45.252
16) A 4,4'-DDD	6.708	5.779	9565156	13506160	4.416	3.756
17) MA 4,4'-DDT	7.022	6.029	206.5E6	389.4E6	86.801	96.576
18) B Endrin al...	0.000	6.105	0	7134753	N.D.	2.120 #
20) A Methoxychlor	7.499	6.604	255.5E6	474.0E6	213.447	223.460
21) B Endrin ke...	7.641	6.833	9770712	16111700	3.696	3.376

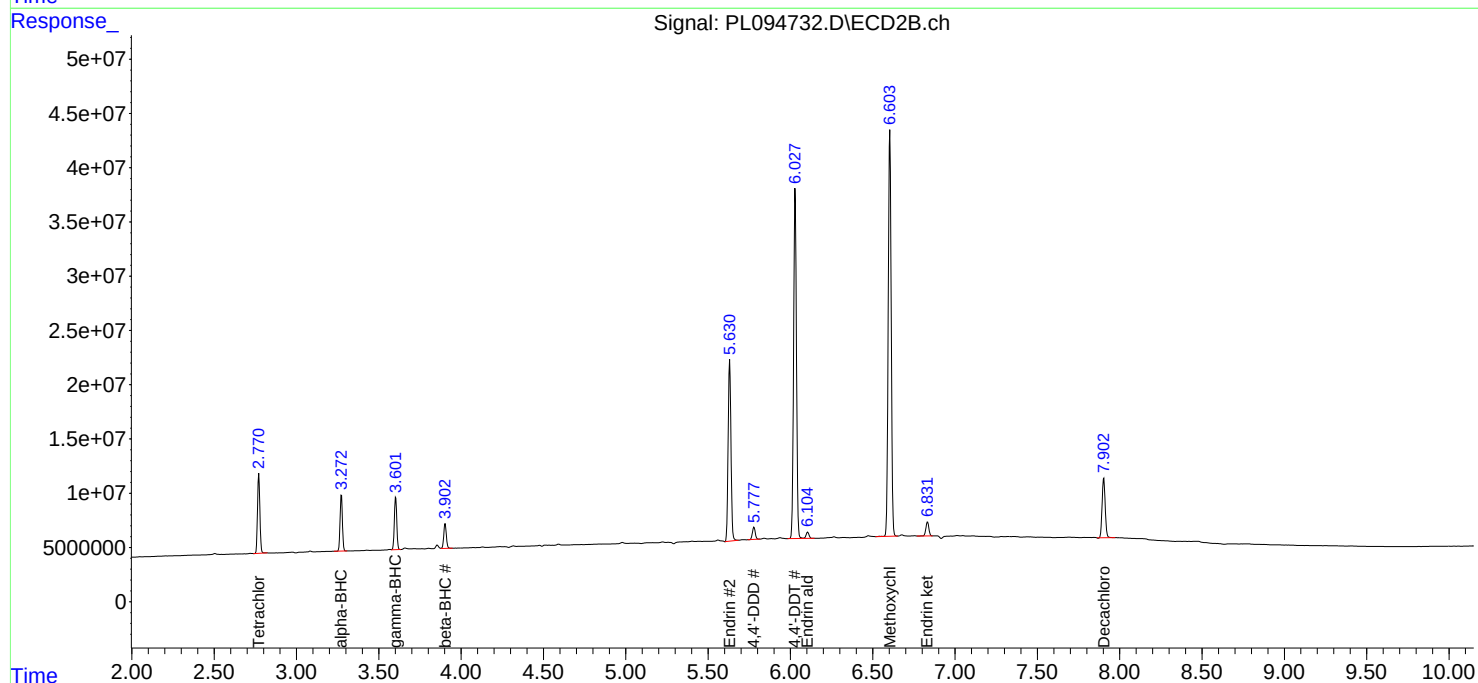
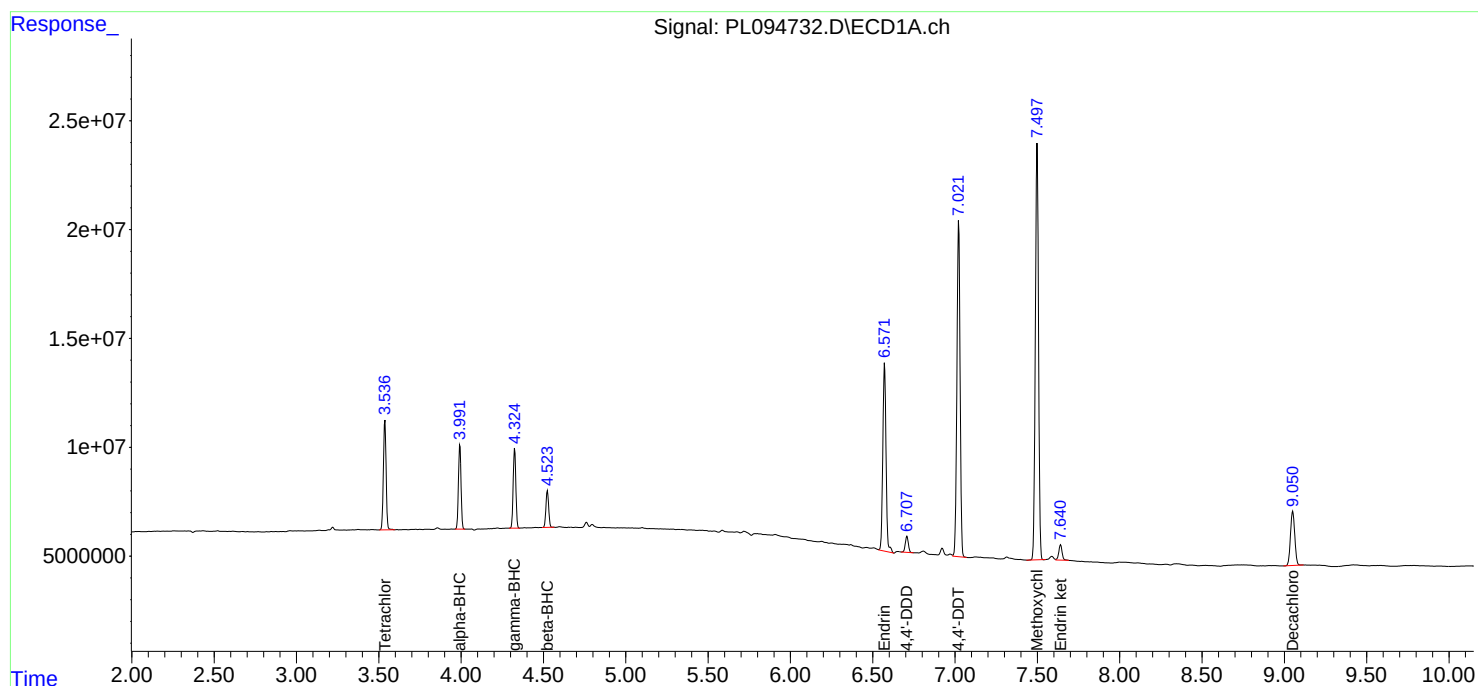
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

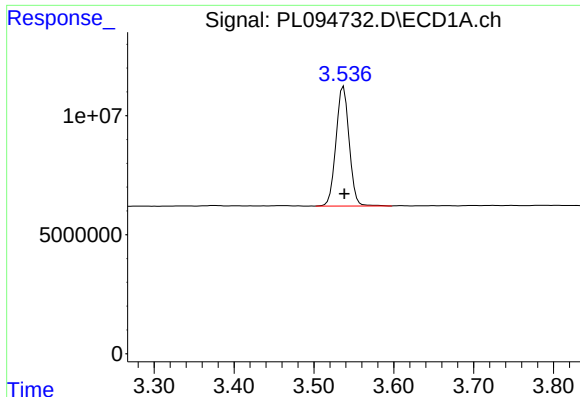
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 09:09
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:01:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

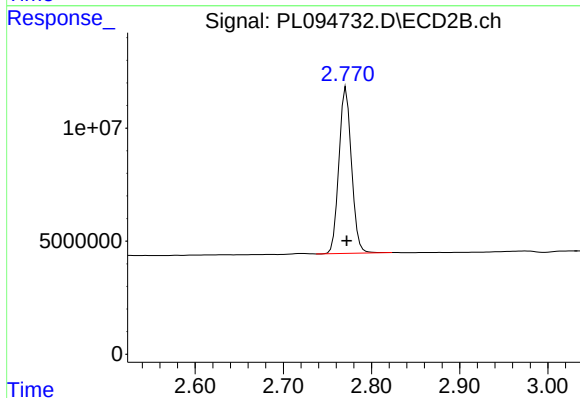




#1 Tetrachloro-m-xylene

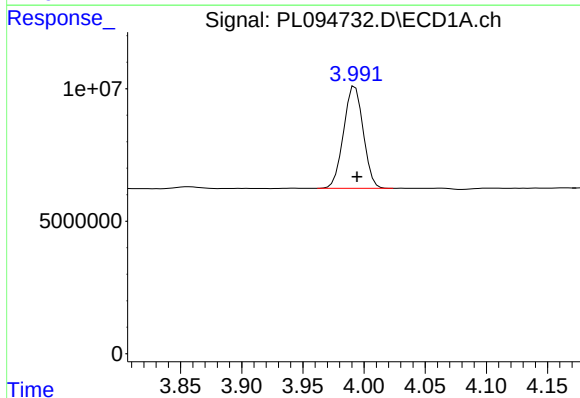
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 57500250
Conc: 20.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



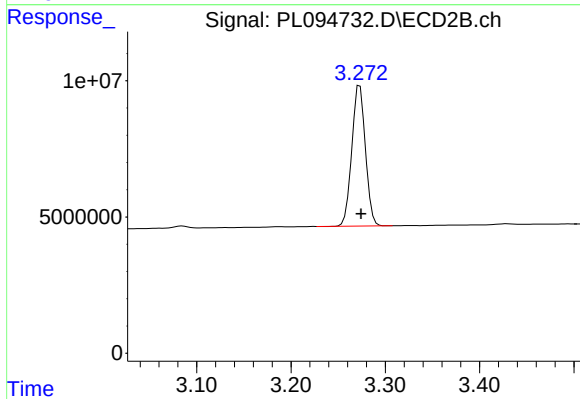
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72475381
Conc: 20.31 ng/ml



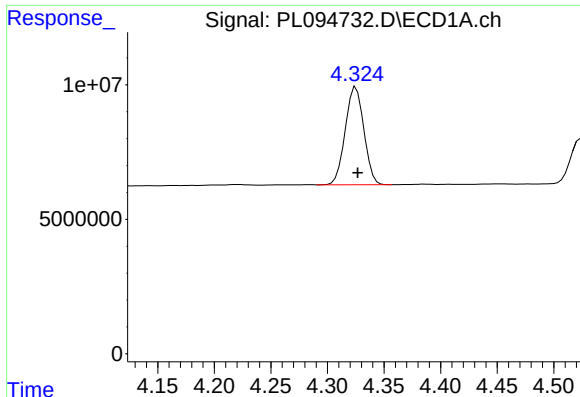
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 43028992
Conc: 10.36 ng/ml



#2 alpha-BHC

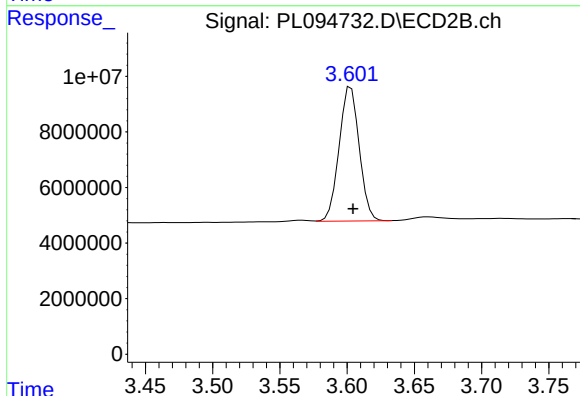
R.T.: 3.273 min
Delta R.T.: -0.001 min
Response: 51892743
Conc: 9.63 ng/ml



#3 gamma-BHC (Lindane)

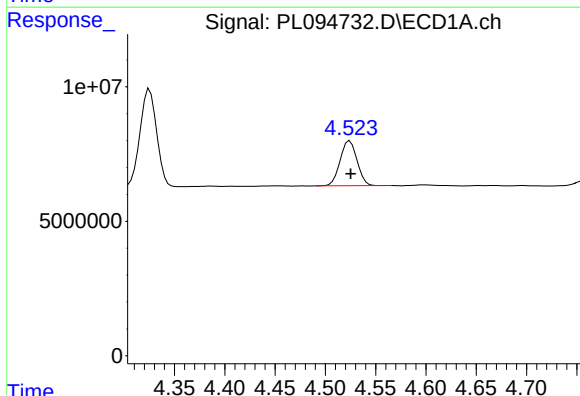
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41625483
Conc: 10.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



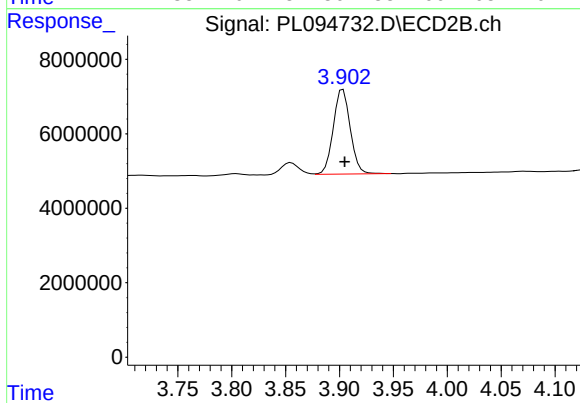
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 50014476
Conc: 9.73 ng/ml



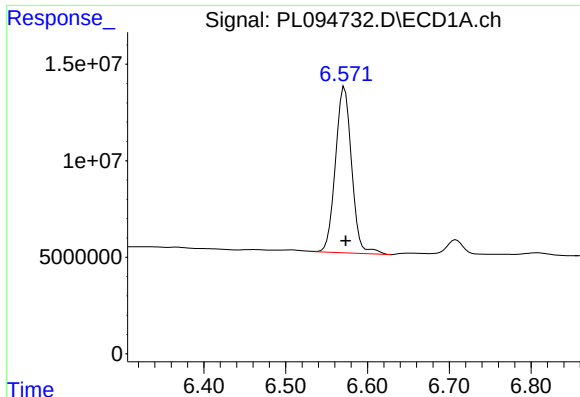
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 19544724
Conc: 10.59 ng/ml



#6 beta-BHC

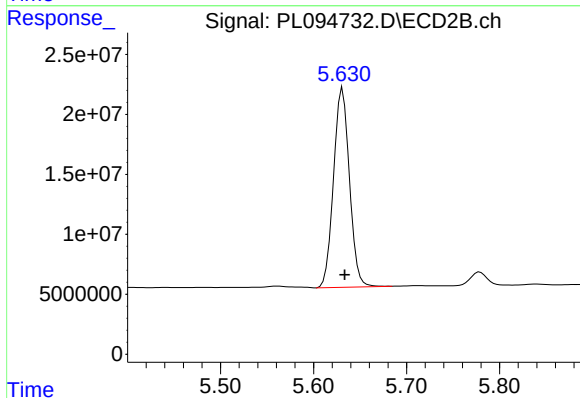
R.T.: 3.903 min
Delta R.T.: -0.001 min
Response: 24858635
Conc: 11.19 ng/ml



#14 Endrin

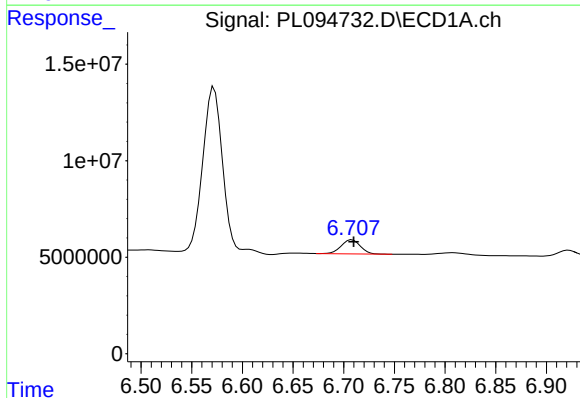
R.T.: 6.572 min
Delta R.T.: -0.002 min
Response: 118267091
Conc: 42.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



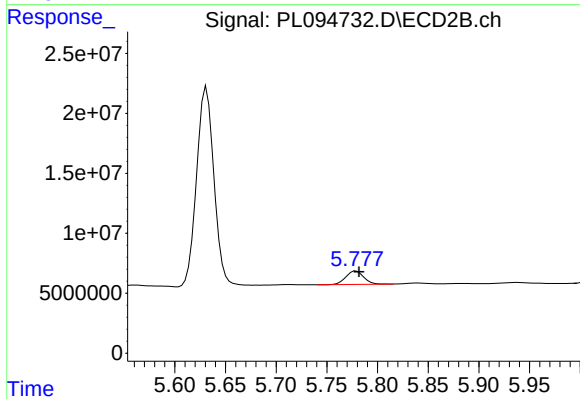
#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 197463386
Conc: 45.25 ng/ml



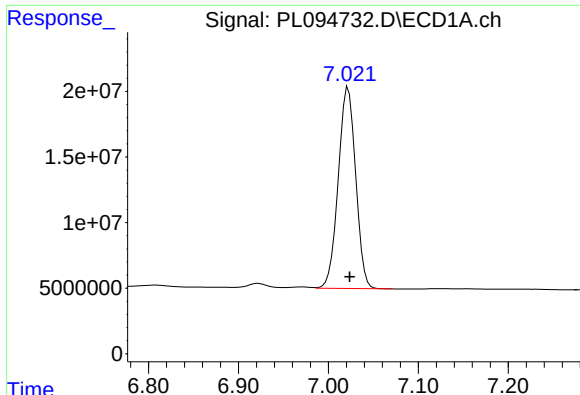
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 9565156
Conc: 4.42 ng/ml



#16 4,4'-DDD

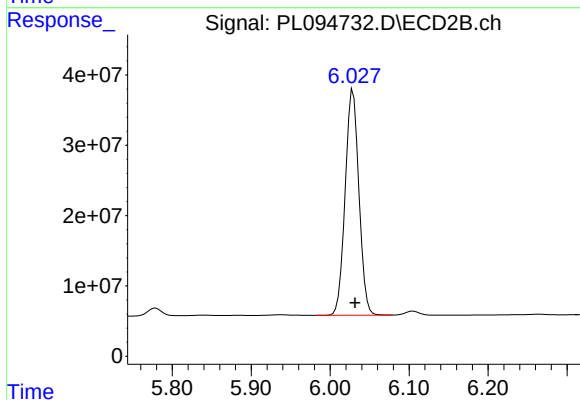
R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 13506160
Conc: 3.76 ng/ml



#17 4,4'-DDT

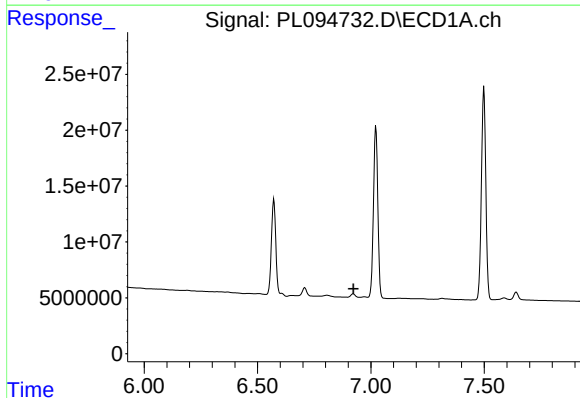
R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 206458786
Conc: 86.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



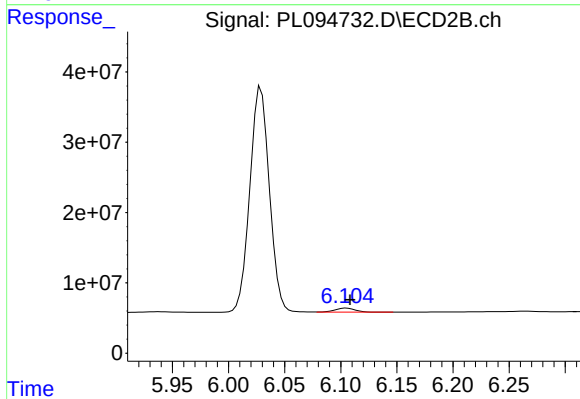
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 389403031
Conc: 96.58 ng/ml



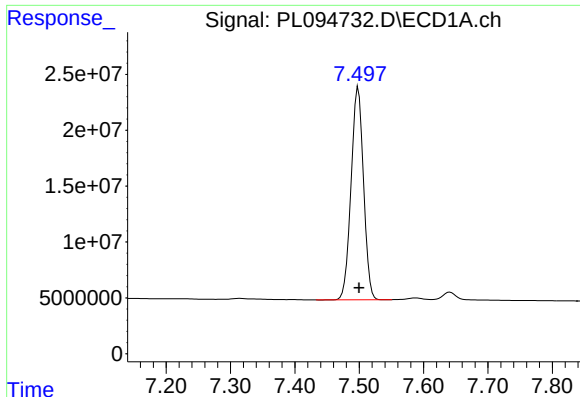
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.924 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

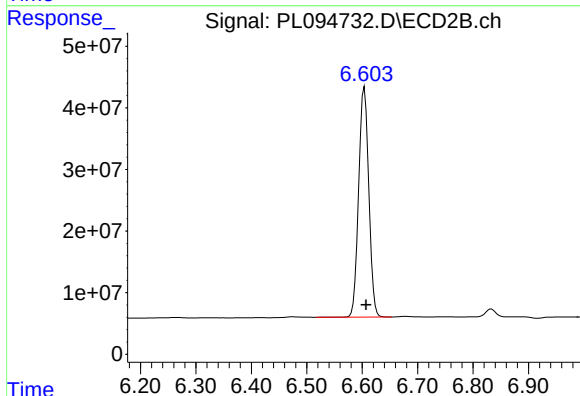
R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 7134753
Conc: 2.12 ng/ml



#20 Methoxychlor

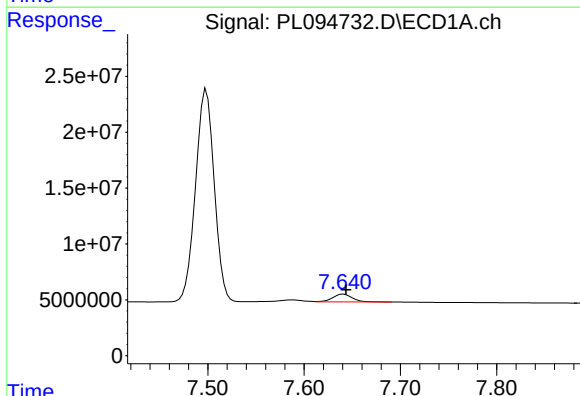
R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 255511780
Conc: 213.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



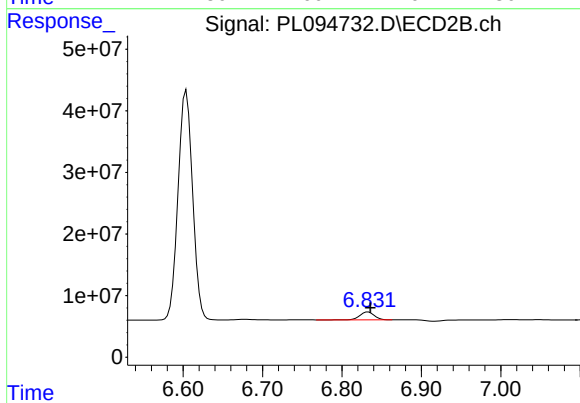
#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 473974824
Conc: 223.46 ng/ml



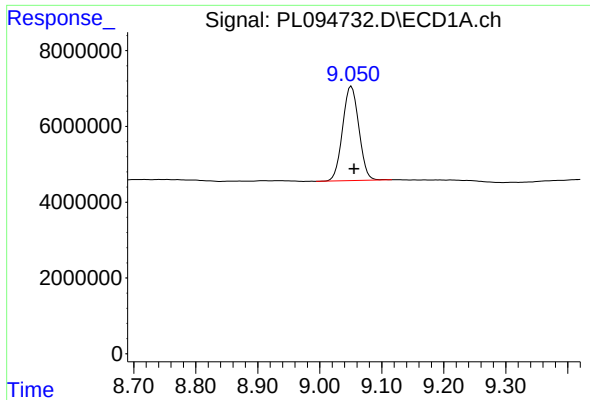
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 9770712
Conc: 3.70 ng/ml



#21 Endrin ketone

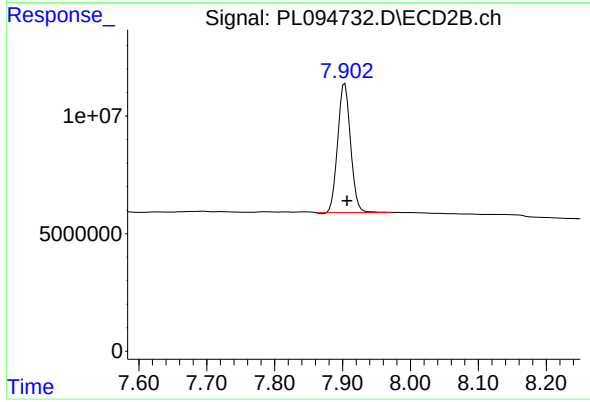
R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 16111700
Conc: 3.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 45319448
Conc: 21.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 72362955
Conc: 17.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094738.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 15:02
 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: Mar 20 02:04:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	142.9E6	197.9E6	50.487	55.449
28)	SA Decachlor...	9.050	7.903	99852250	158.0E6	47.380	39.127
Target Compounds							
2)	A alpha-BHC	3.992	3.272	208.1E6	301.3E6	50.125	55.880
3)	MA gamma-BHC...	4.324	3.602	199.5E6	281.2E6	50.003	54.707
4)	MA Heptachlor	4.912	3.939	178.5E6	261.3E6	45.974	49.598
5)	MB Aldrin	5.254	4.219	177.8E6	258.3E6	48.167	52.962
6)	B beta-BHC	4.524	3.902	91071115	122.3E6	49.355	55.061
7)	B delta-BHC	4.770	4.131	198.2E6	277.8E6	50.886	55.534
8)	B Heptachlo...	5.680	4.721	161.1E6	239.5E6	48.151	52.306
9)	A Endosulfan I	6.066	5.091	145.4E6	215.1E6	47.354	49.022
10)	B gamma-Chl...	5.937	4.971	163.6E6	253.2E6	48.544	52.439
11)	B alpha-Chl...	6.015	5.034	157.7E6	247.8E6	47.843	51.917
12)	B 4,4'-DDE	6.190	5.223	150.8E6	264.1E6	51.265	56.803
13)	MA Dieldrin	6.341	5.354	151.4E6	264.1E6	47.340	54.429
14)	MA Endrin	6.570	5.630	136.1E6	221.0E6	49.111	50.653
15)	B Endosulfa...	6.791	5.925	127.5E6	214.4E6	46.978	49.536
16)	A 4,4'-DDD	6.707	5.778	115.2E6	199.5E6	53.162	55.488
17)	MA 4,4'-DDT	7.020	6.028	106.1E6	187.4E6	44.614	46.477
18)	B Endrin al...	6.921	6.104	93165254	153.9E6	44.133	45.739
19)	B Endosulfa...	7.155	6.327	113.3E6	197.4E6	46.573	48.453
20)	A Methoxychlor	7.496	6.603	55144723	93491988	46.066	44.078
21)	B Endrin ke...	7.641	6.832	122.8E6	225.6E6	46.468	47.280
22)	Mirex	8.113	7.012	91548775	162.3E6	44.306	42.766
24)	Chlordane-2	5.254f	0.000	177.8E6	0	1175.390	N.D. #
25)	Chlordane-3	5.937	4.971	163.6E6	253.2E6	327.243	475.941 #
26)	Chlordane-4	6.015	5.034	157.7E6	247.8E6	267.749	476.003 #
27)	Chlordane-5	0.000	5.925	0	214.4E6	N.D.	1117.652 #

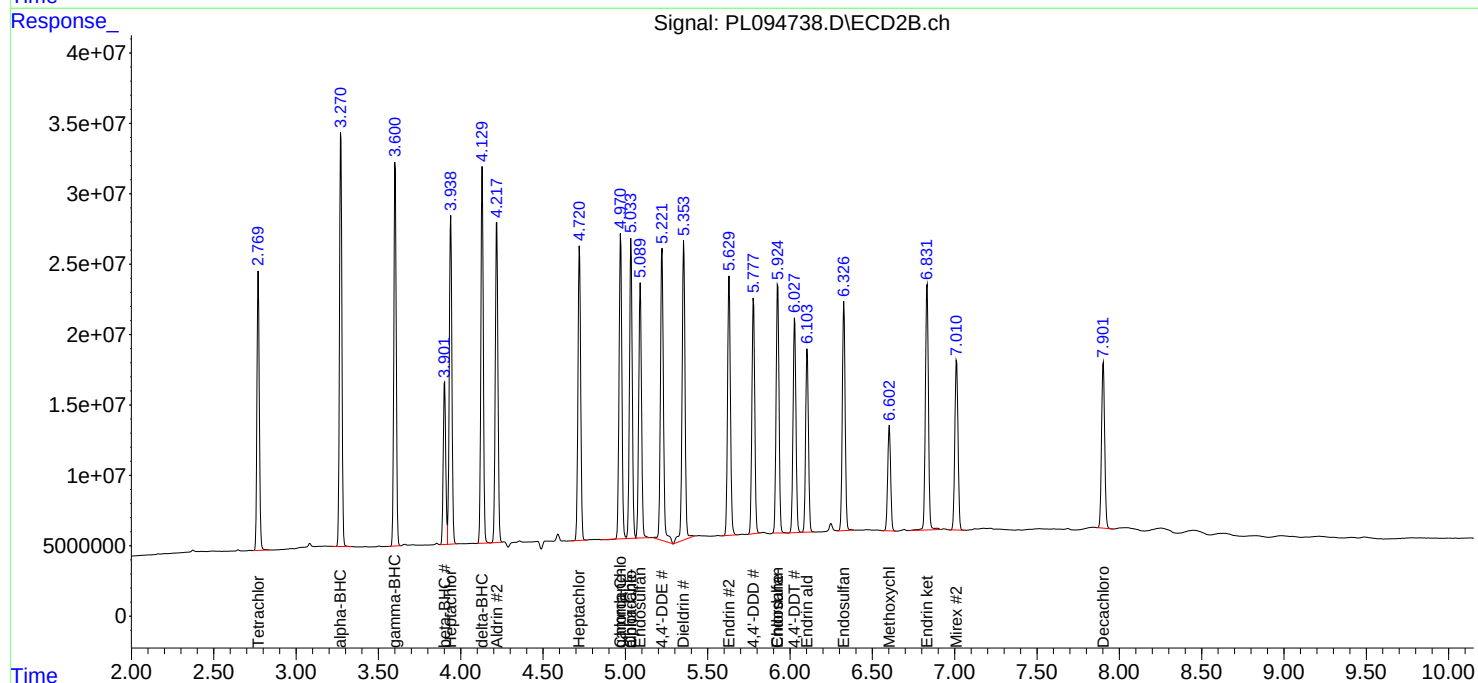
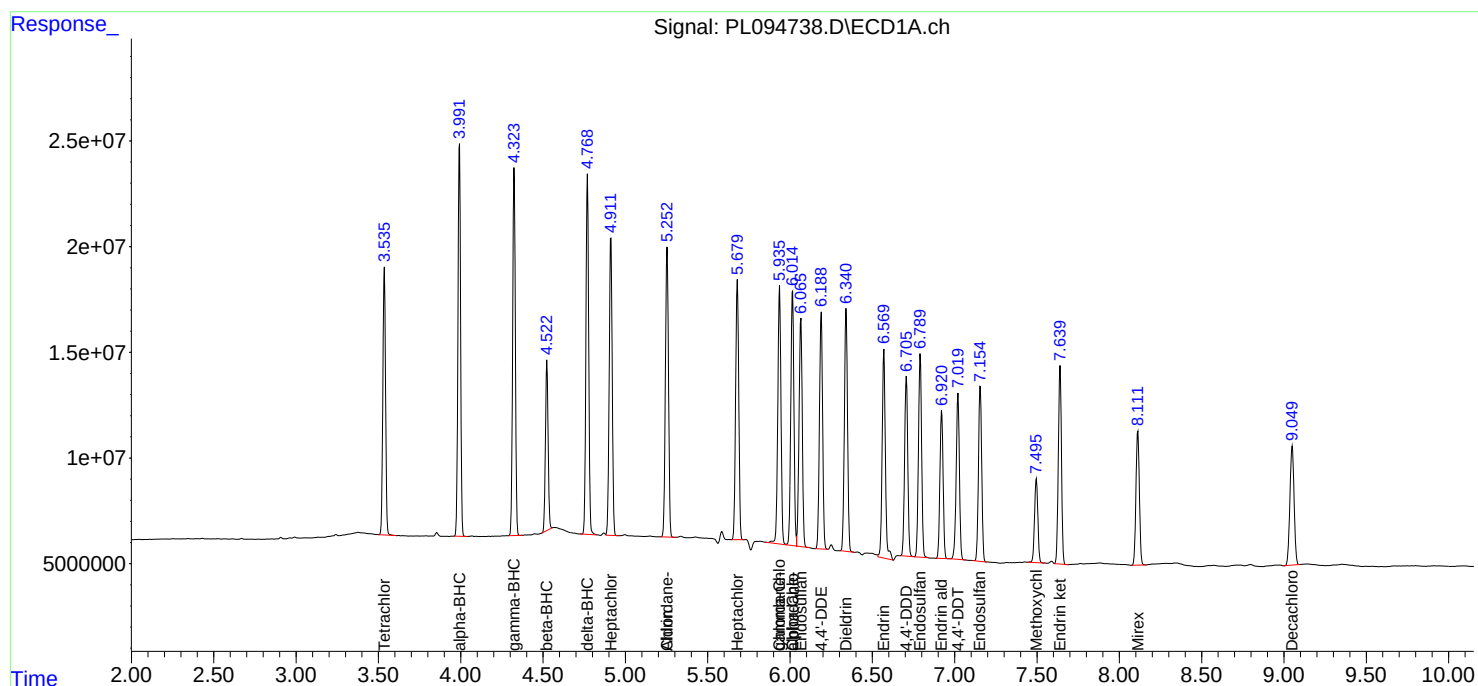
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

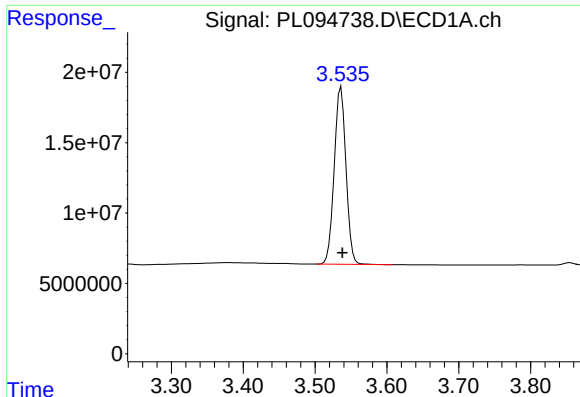
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 15:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

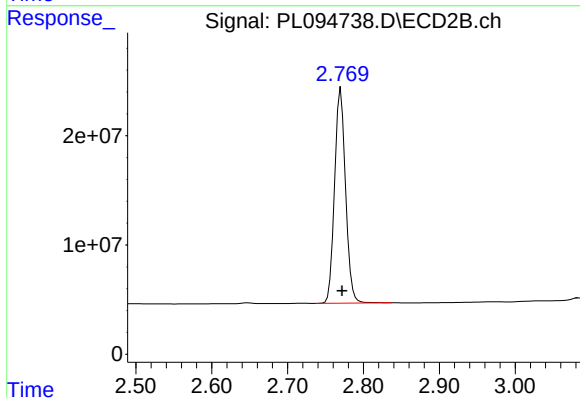




#1 Tetrachloro-m-xylene

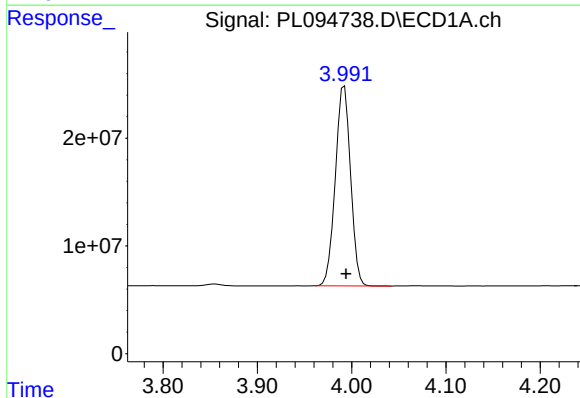
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 142913311
Conc: 50.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



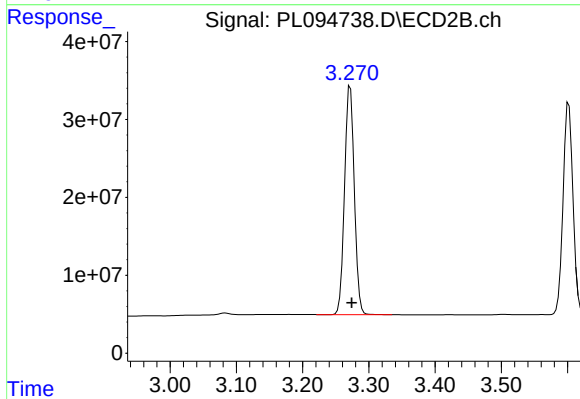
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 197911946
Conc: 55.45 ng/ml



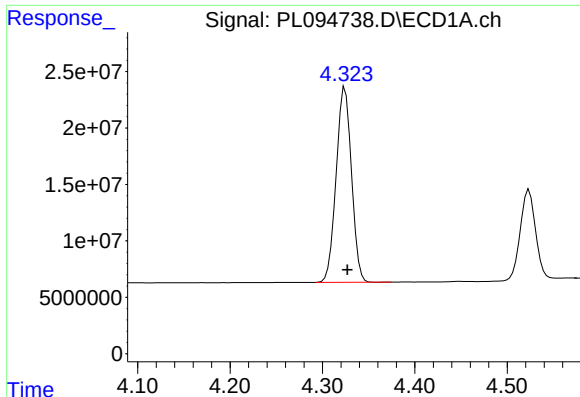
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 208135712
Conc: 50.12 ng/ml



#2 alpha-BHC

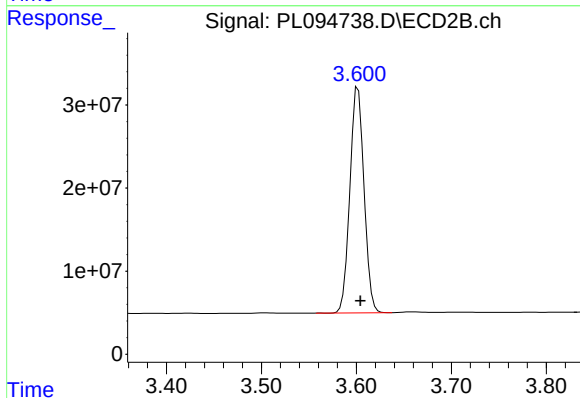
R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 301268101
Conc: 55.88 ng/ml



#3 gamma-BHC (Lindane)

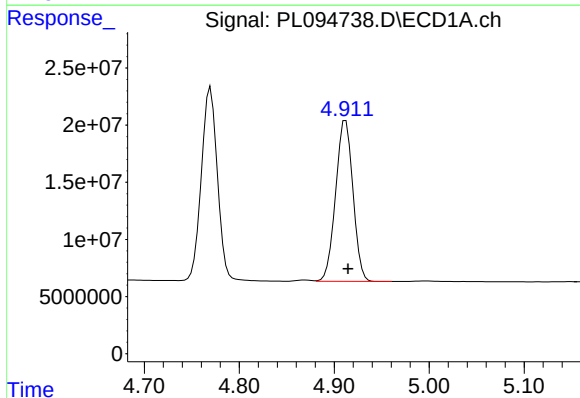
R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 199525769
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



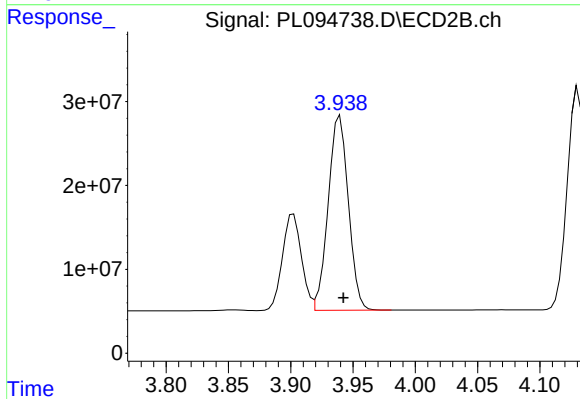
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 281164760
Conc: 54.71 ng/ml



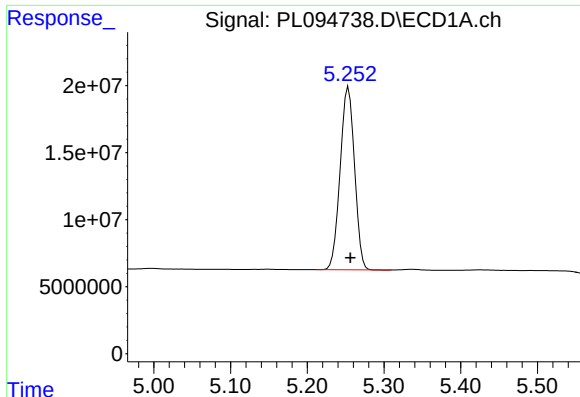
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 178452344
Conc: 45.97 ng/ml



#4 Heptachlor

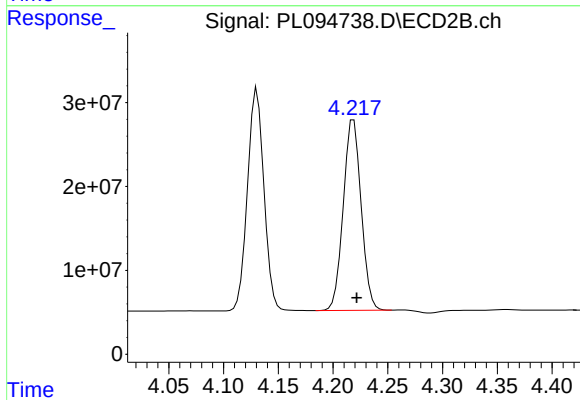
R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 261311957
Conc: 49.60 ng/ml



#5 Aldrin

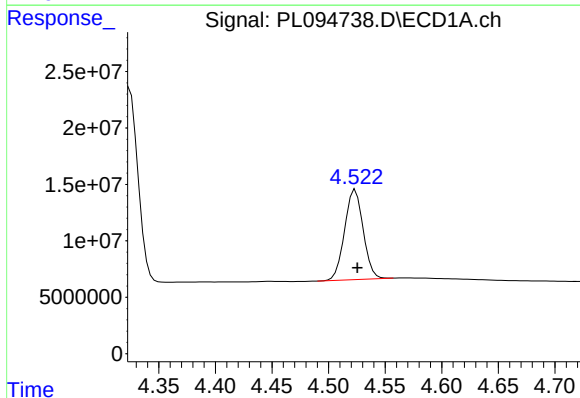
R.T.: 5.254 min
Delta R.T.: -0.003 min
Response: 177842595
Conc: 48.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



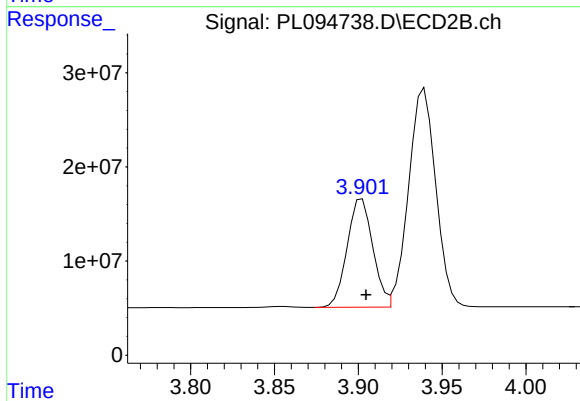
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 258258736
Conc: 52.96 ng/ml



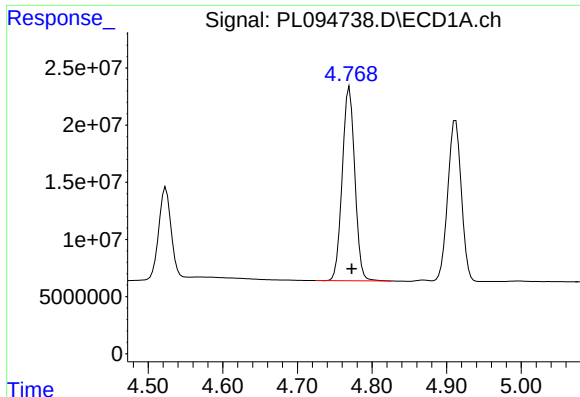
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 91071115
Conc: 49.36 ng/ml



#6 beta-BHC

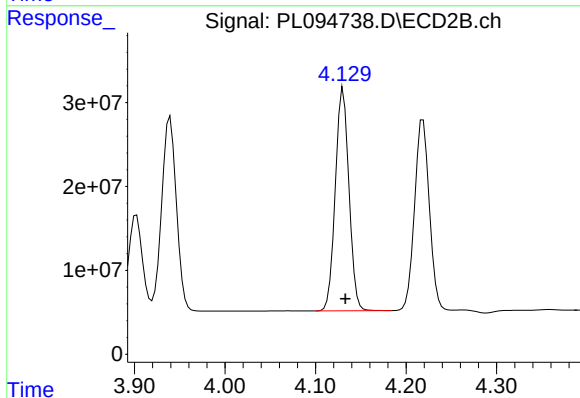
R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 122306573
Conc: 55.06 ng/ml



#7 delta-BHC

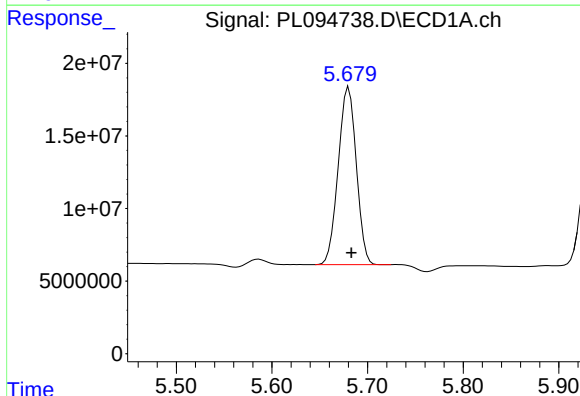
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 198165272
Conc: 50.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



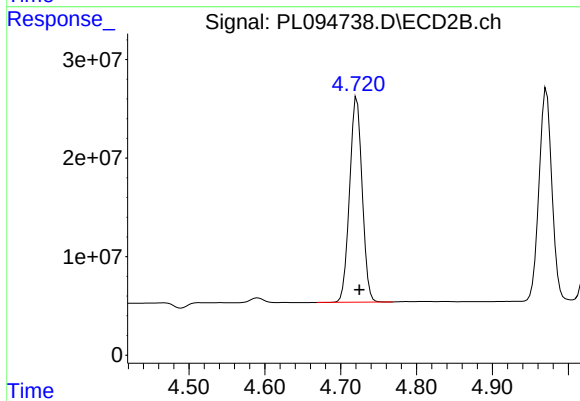
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 277777692
Conc: 55.53 ng/ml



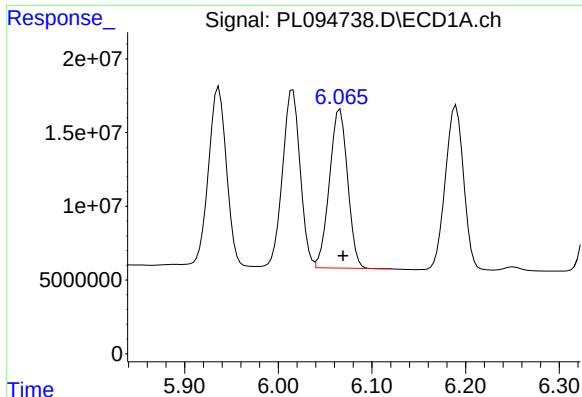
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 161072980
Conc: 48.15 ng/ml



#8 Heptachlor epoxide

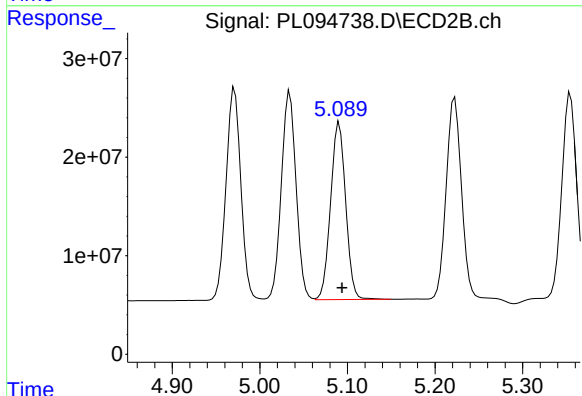
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 239487038
Conc: 52.31 ng/ml



#9 Endosulfan I

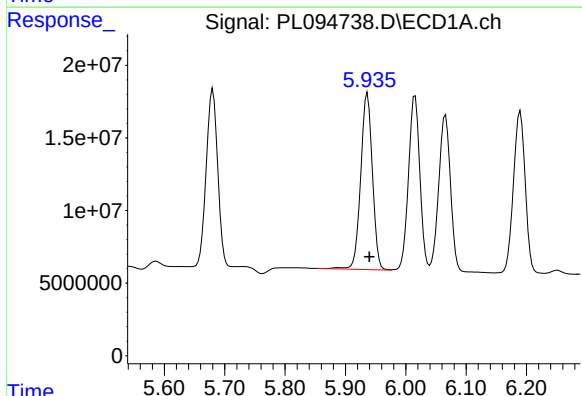
R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 145385218
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



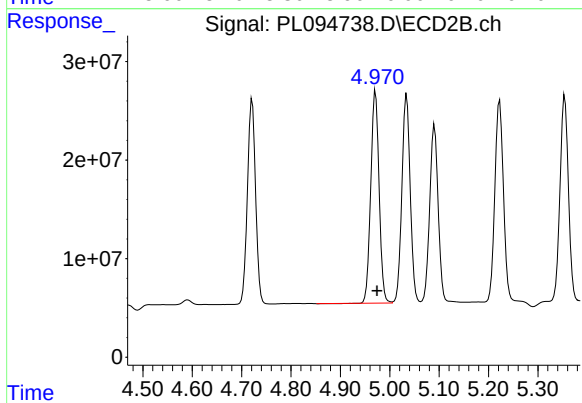
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 215143416
Conc: 49.02 ng/ml



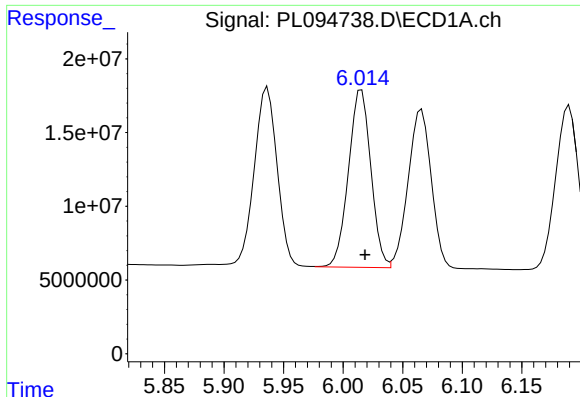
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 163562918
Conc: 48.54 ng/ml



#10 gamma-Chlordane

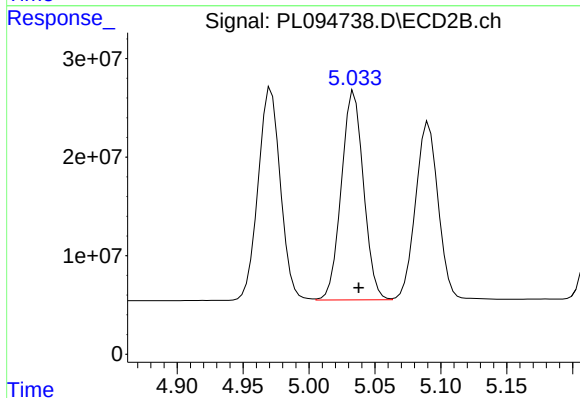
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 253199623
Conc: 52.44 ng/ml



#11 alpha-Chlordane

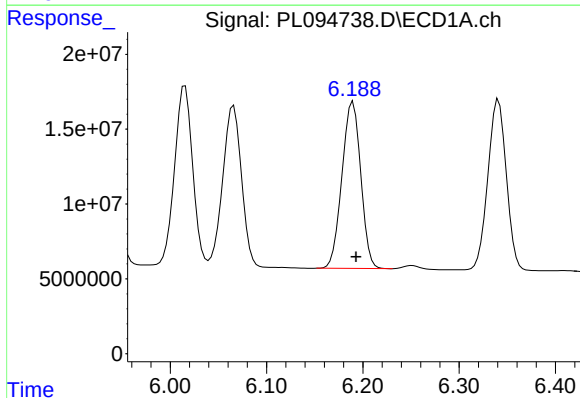
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 157729274
Conc: 47.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



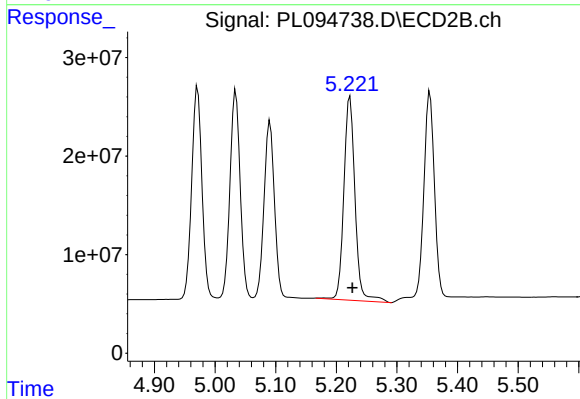
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 247788437
Conc: 51.92 ng/ml



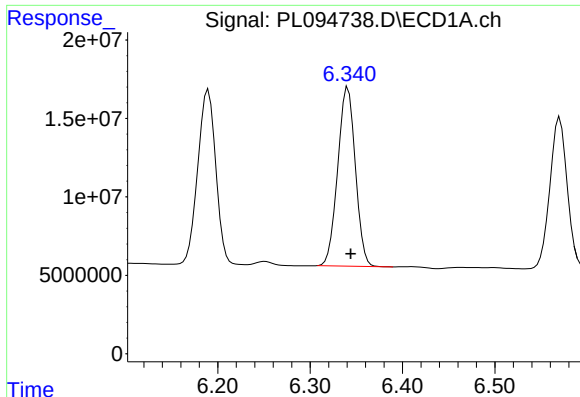
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 150825991
Conc: 51.27 ng/ml



#12 4,4'-DDE

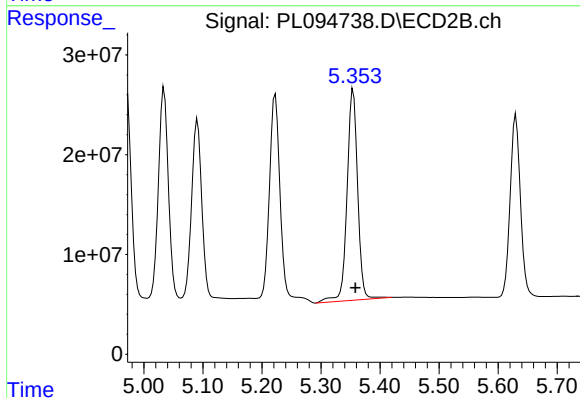
R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 264052387
Conc: 56.80 ng/ml



#13 Dieldrin

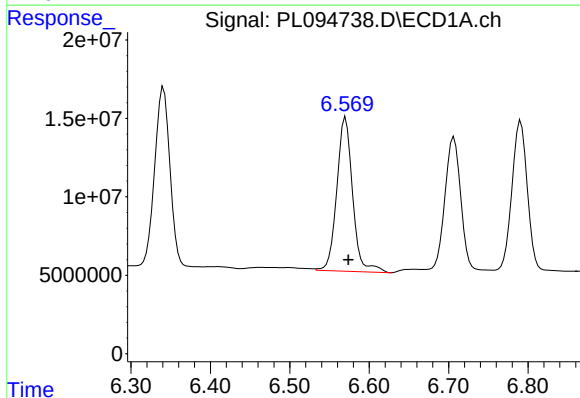
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 151401037
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



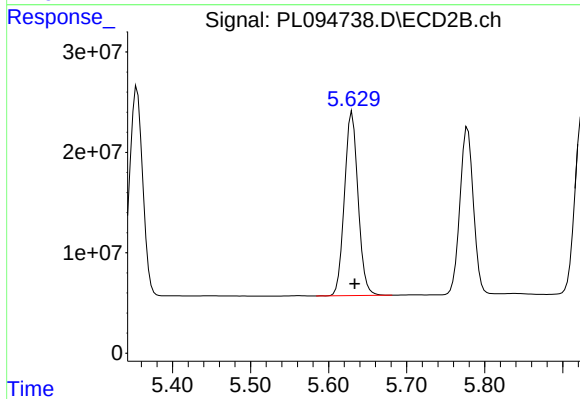
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 264080798
Conc: 54.43 ng/ml



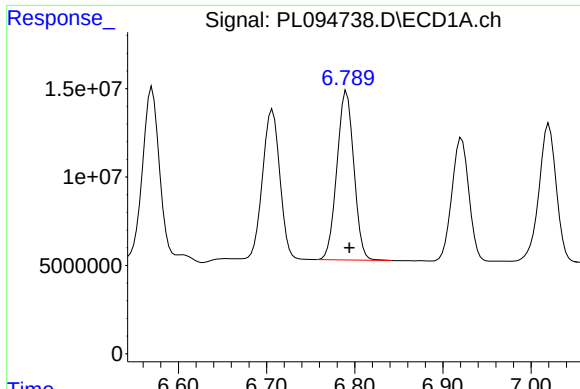
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 136138077
Conc: 49.11 ng/ml



#14 Endrin

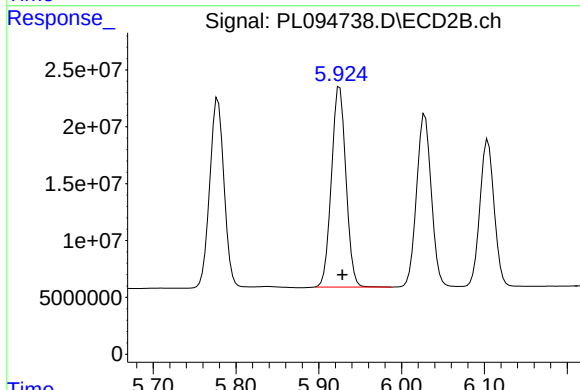
R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 221032134
Conc: 50.65 ng/ml



#15 Endosulfan II

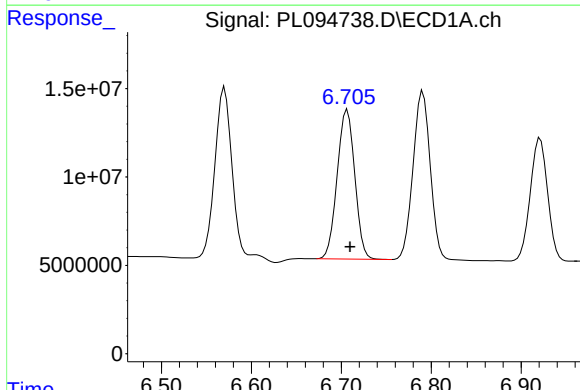
R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 127533828
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



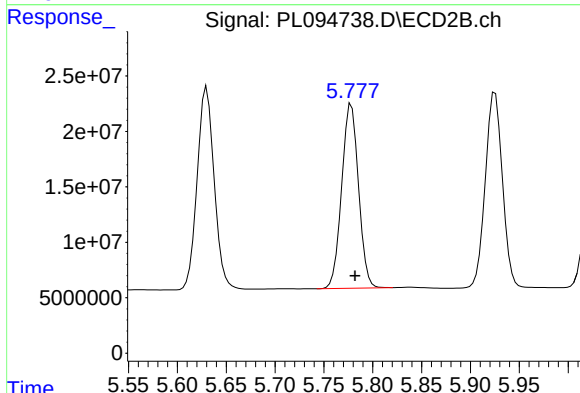
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 214405895
Conc: 49.54 ng/ml



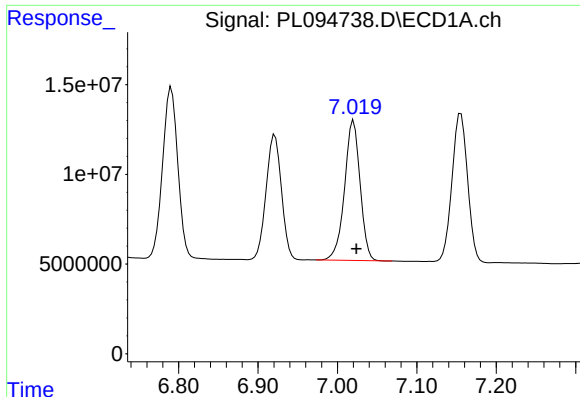
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 115152317
Conc: 53.16 ng/ml



#16 4,4'-DDD

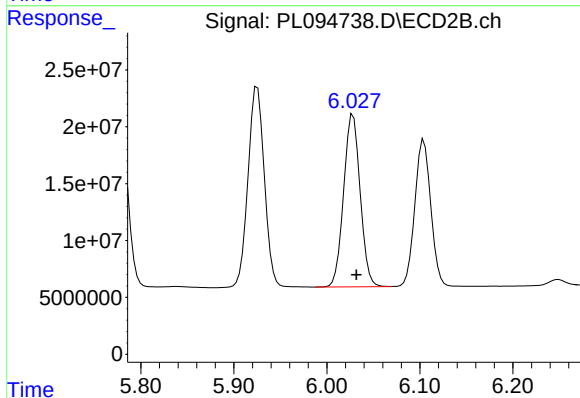
R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 199528031
Conc: 55.49 ng/ml



#17 4,4'-DDT

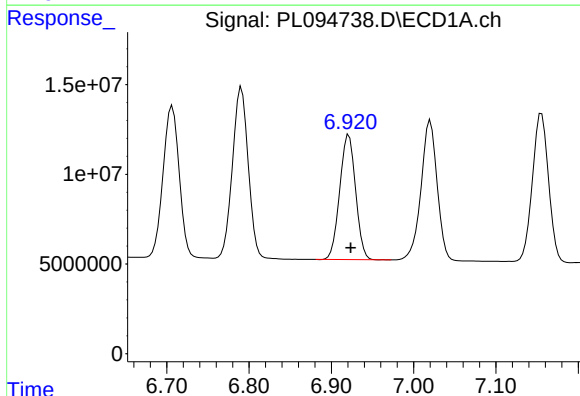
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 106115290
Conc: 44.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



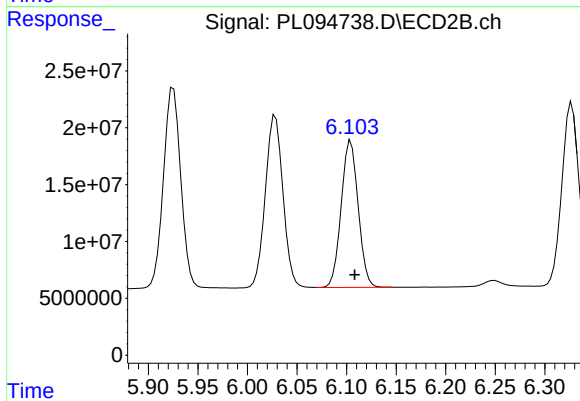
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 187399621
Conc: 46.48 ng/ml



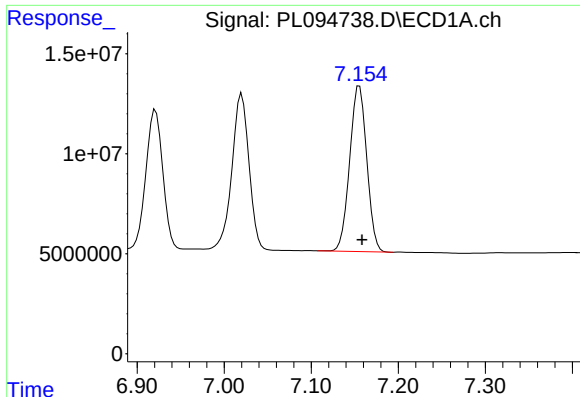
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 93165254
Conc: 44.13 ng/ml



#18 Endrin aldehyde

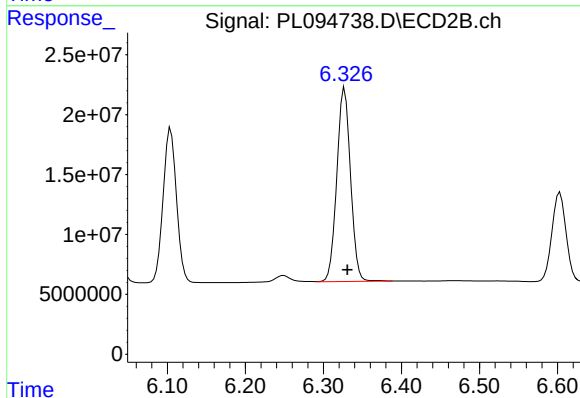
R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 153927718
Conc: 45.74 ng/ml



#19 Endosulfan Sulfate

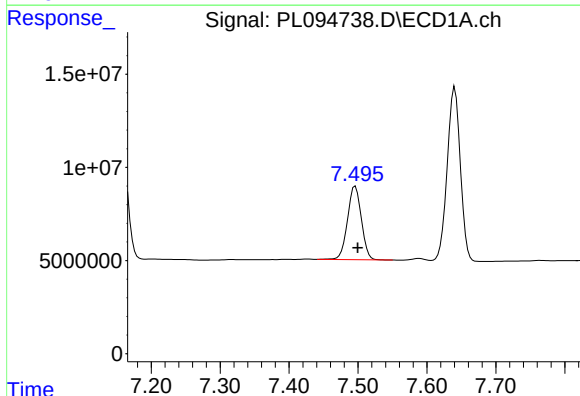
R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 113266825
Conc: 46.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



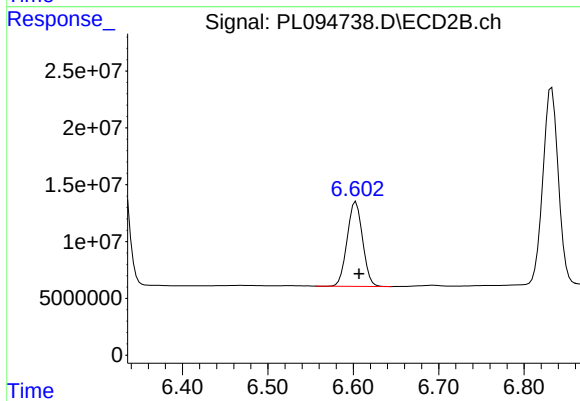
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.004 min
Response: 197371832
Conc: 48.45 ng/ml



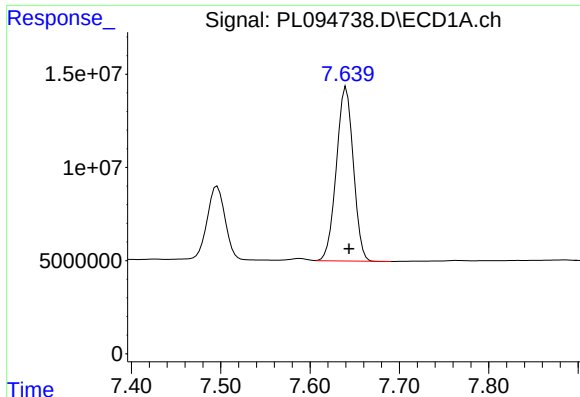
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 55144723
Conc: 46.07 ng/ml



#20 Methoxychlor

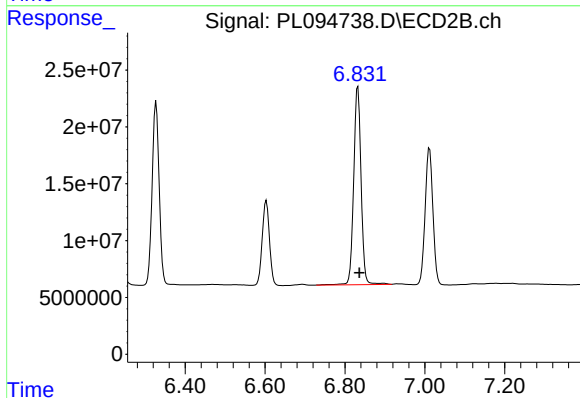
R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 93491988
Conc: 44.08 ng/ml



#21 Endrin ketone

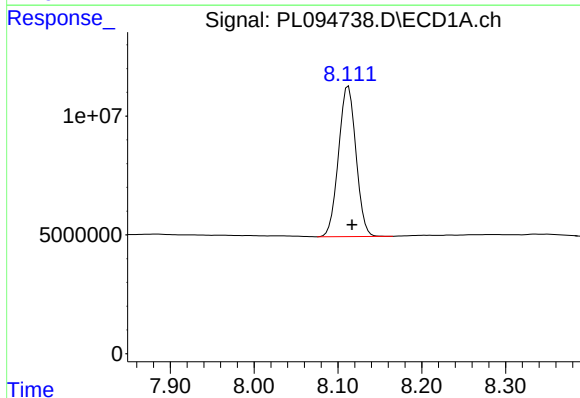
R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 122827227
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



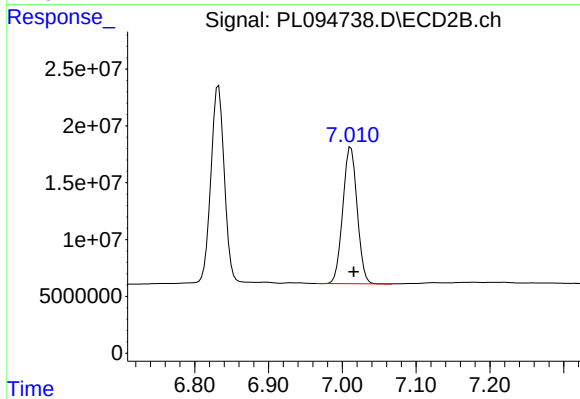
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 225649485
Conc: 47.28 ng/ml



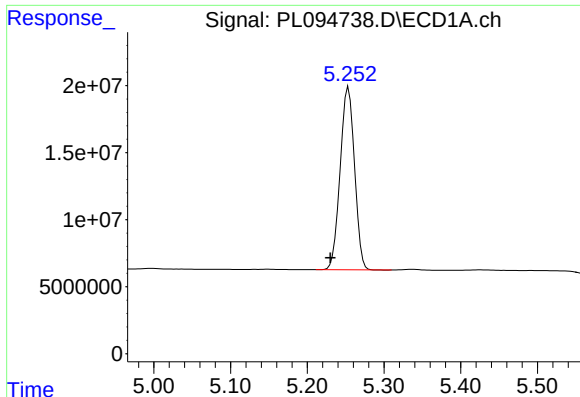
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 91548775
Conc: 44.31 ng/ml



#22 Mirex

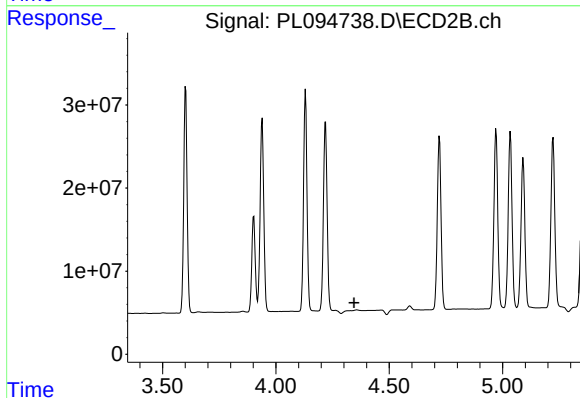
R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 162309148
Conc: 42.77 ng/ml



#24 Chlordane-2

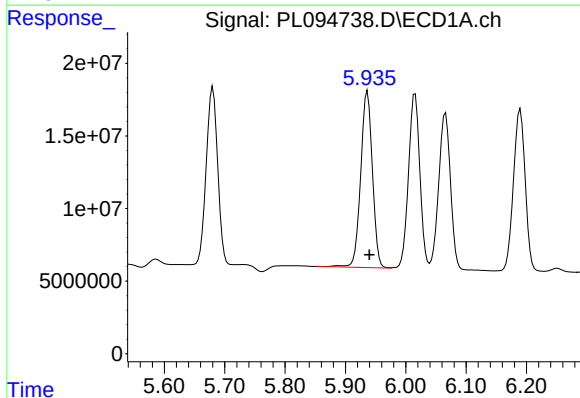
R.T.: 5.254 min
Delta R.T.: 0.023 min
Response: 177842595
Conc: 1175.39 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



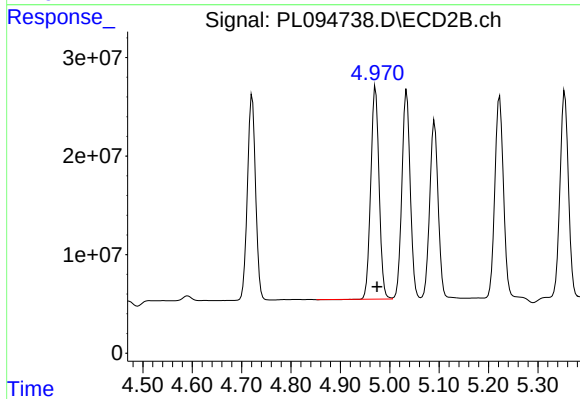
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



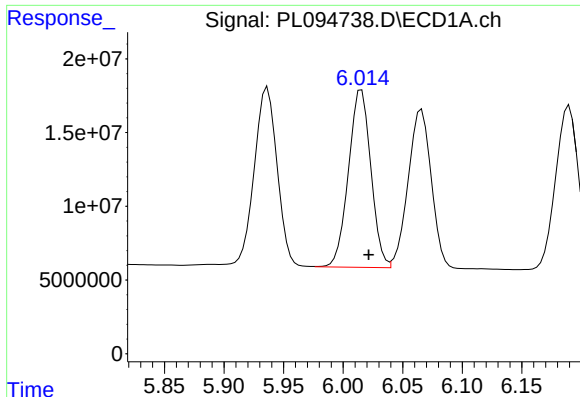
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 163562918
Conc: 327.24 ng/ml



#25 Chlordane-3

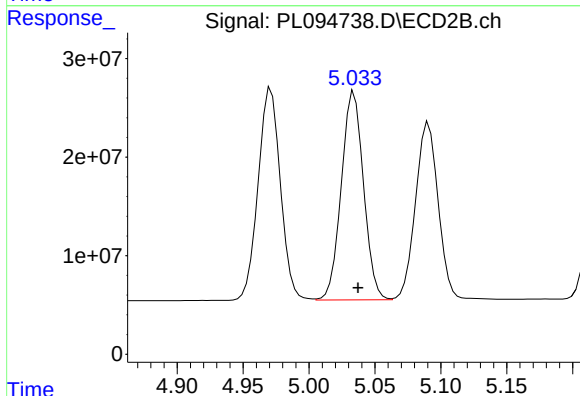
R.T.: 4.971 min
Delta R.T.: -0.004 min
Response: 253199623
Conc: 475.94 ng/ml



#26 Chlordane-4

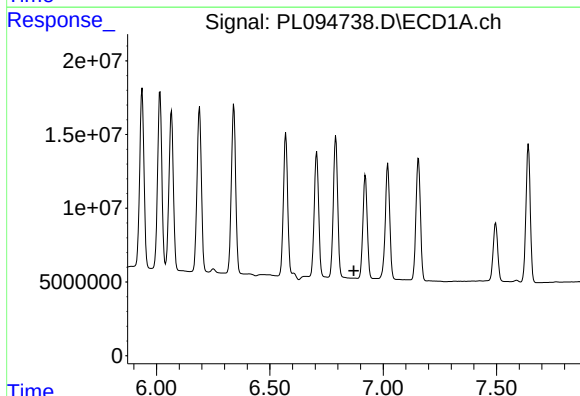
R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 157729274
Conc: 267.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



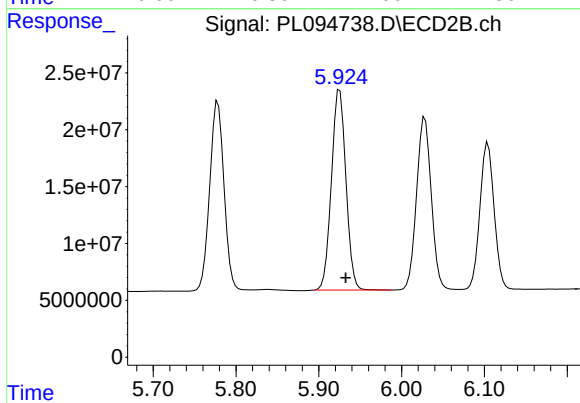
#26 Chlordane-4

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 247788437
Conc: 476.00 ng/ml



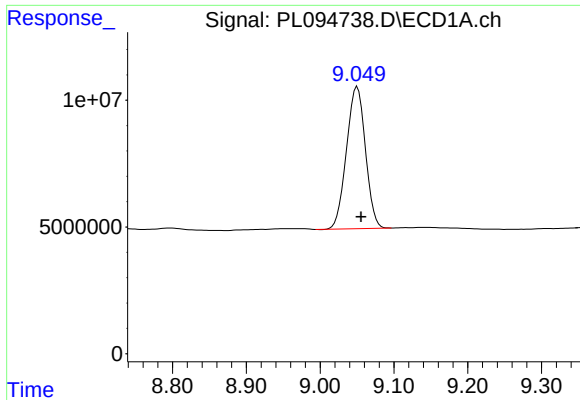
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

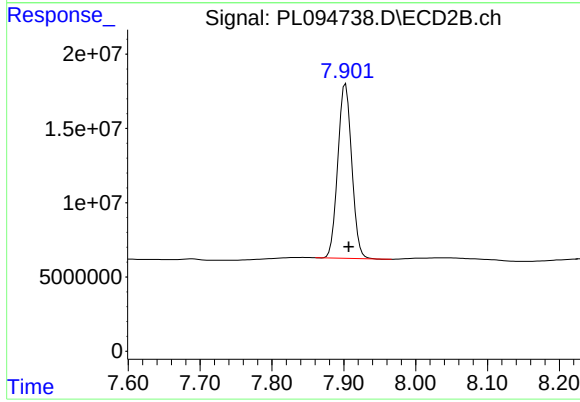
R.T.: 5.925 min
Delta R.T.: -0.008 min
Response: 214405895
Conc: 1117.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 99852250
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 158046031
Conc: 39.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094740.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 16:40
 Operator : AR\AJ
 Sample : PB167215BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167215BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:04:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	60087617	80695148	21.227	22.608
28)	SA Decachlor...	9.054	7.904	48219387	75520531	22.880	18.696
Target Compounds							
2)	A alpha-BHC	3.993	3.272	200.0E6	285.8E6	48.177	53.012
3)	MA gamma-BHC...	4.325	3.602	191.9E6	269.8E6	48.097	52.497
4)	MA Heptachlor	4.913	3.940	175.9E6	258.9E6	45.322	49.130
5)	MB Aldrin	5.255	4.219	174.9E6	253.7E6	47.383	52.018
6)	B beta-BHC	4.524	3.902	88447955	119.5E6	47.934	53.807
7)	B delta-BHC	4.772	4.131	204.1E6	270.8E6	52.414	54.143
8)	B Heptachlo...	5.682	4.721	161.8E6	239.0E6	48.355	52.197
9)	A Endosulfan I	6.068	5.091	150.9E6	229.1E6	49.155	52.191
10)	B gamma-Chl...	5.938	4.971	164.6E6	250.8E6	48.862	51.952
11)	B alpha-Chl...	6.017	5.035	161.1E6	245.6E6	48.864	51.453
12)	B 4,4'-DDE	6.191	5.223	156.5E6	249.2E6	53.203	53.599
13)	MA Dieldrin	6.342	5.355	156.3E6	251.2E6	48.886	51.769
14)	MA Endrin	6.573	5.630	118.7E6	214.8E6	42.826	49.230
15)	B Endosulfa...	6.793	5.926	133.3E6	223.5E6	49.096	51.630
16)	A 4,4'-DDD	6.708	5.778	120.3E6	207.9E6	55.520	57.805
17)	MA 4,4'-DDT	7.022	6.028	114.4E6	195.1E6	48.094	48.380
18)	B Endrin al...	6.923	6.104	102.8E6	171.2E6	48.707	50.878
19)	B Endosulfa...	7.158	6.328	119.6E6	212.6E6	49.162	52.190
20)	A Methoxychlor	7.498	6.603	57230208	100.7E6	47.808	47.465
21)	B Endrin ke...	7.643	6.833	134.7E6	251.3E6	50.972	52.656
22)	Mirex	8.115	7.012	95476499	182.4E6	46.207	48.069
24)	Chlordane-2	5.255f	0.000	174.9E6	0	1156.258	N.D. #
25)	Chlordane-3	5.938	4.971	164.6E6	250.8E6	329.384	471.515 #
26)	Chlordane-4	6.017	5.035	161.1E6	245.6E6	273.464	471.744 #
27)	Chlordane-5	0.000	5.926	0	223.5E6	N.D.	1164.898 #

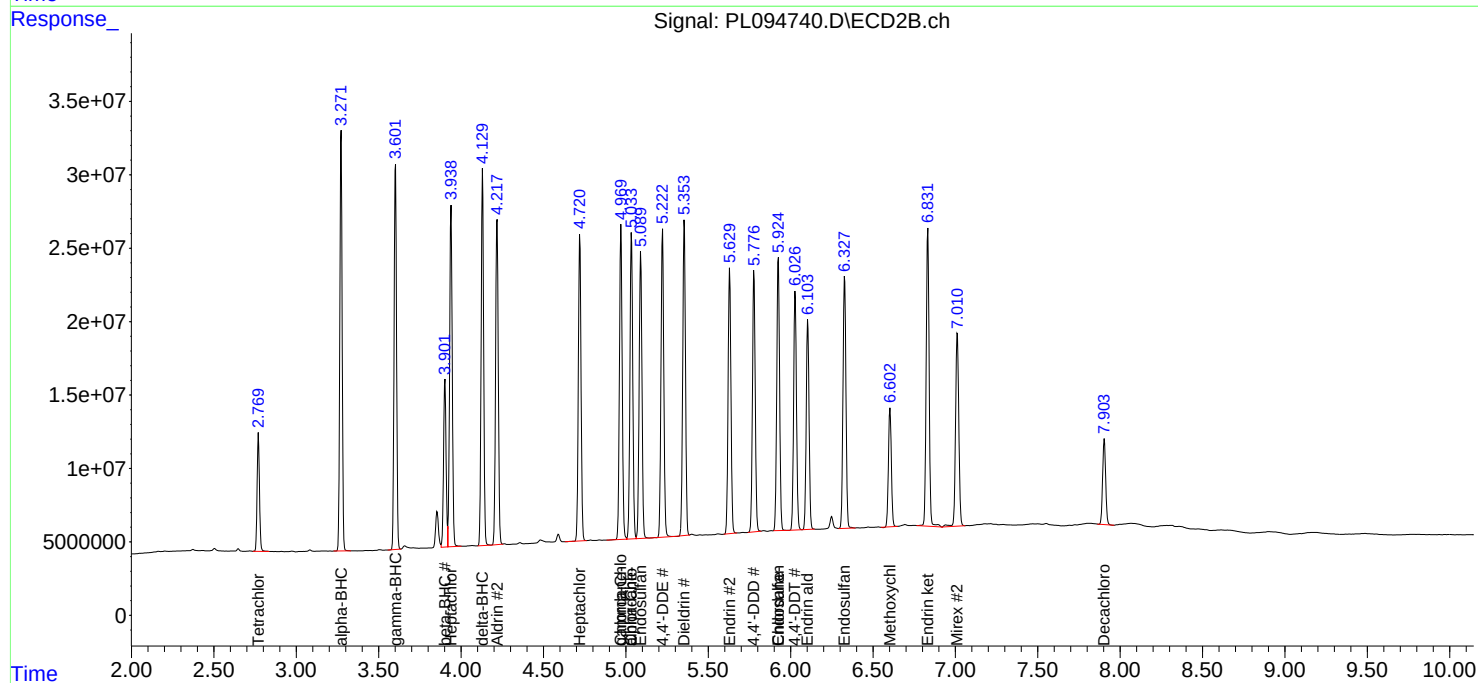
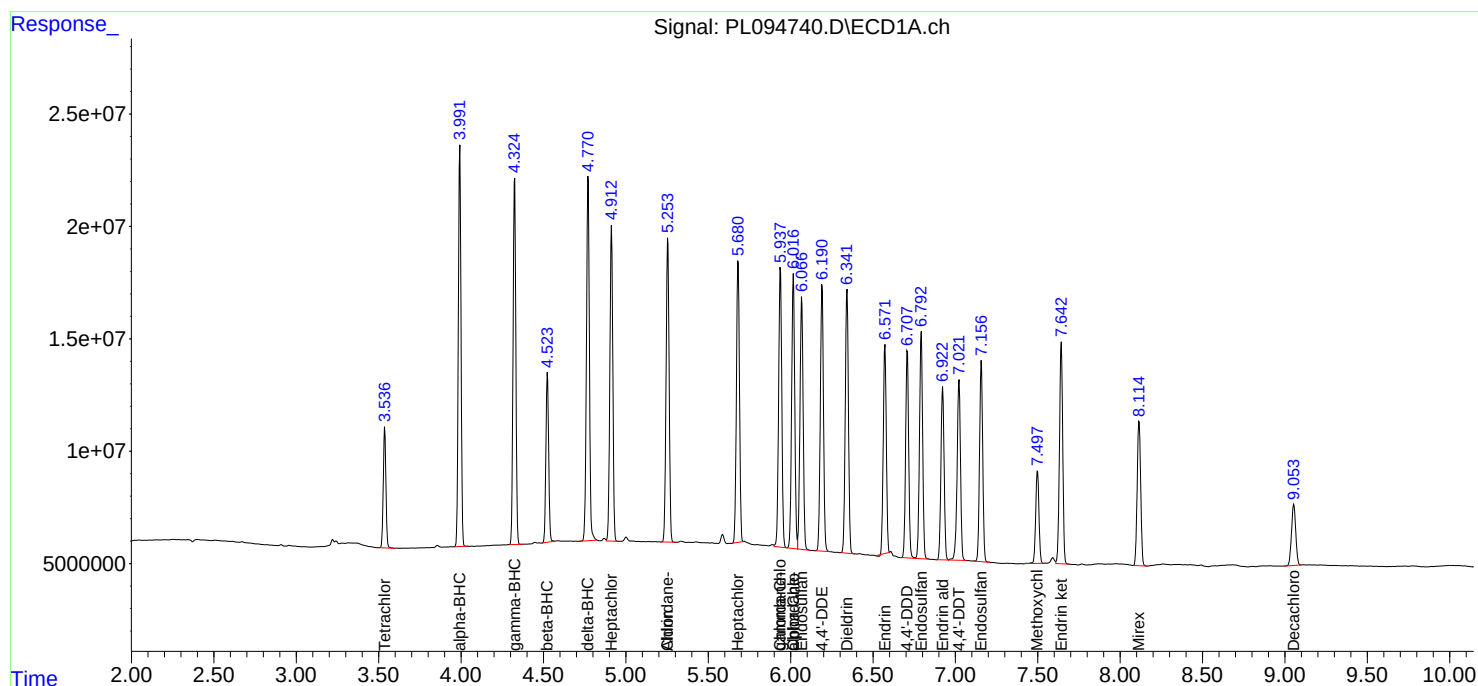
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

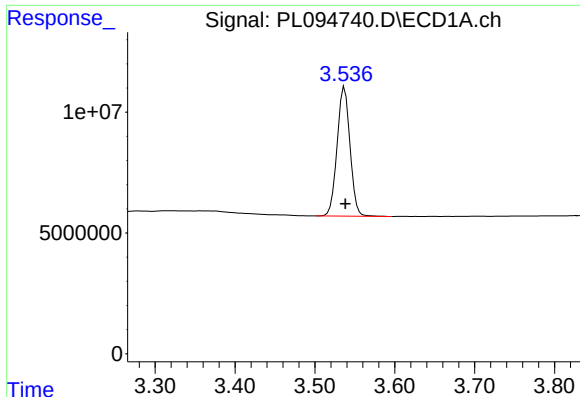
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 16:40
Operator : AR\AJ
Sample : PB167215BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167215BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:04:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

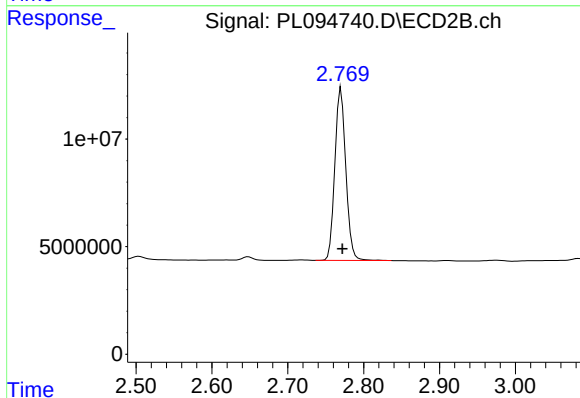




#1 Tetrachloro-m-xylene

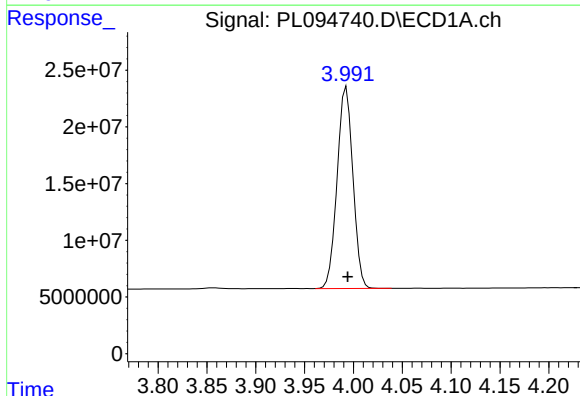
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 60087617
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



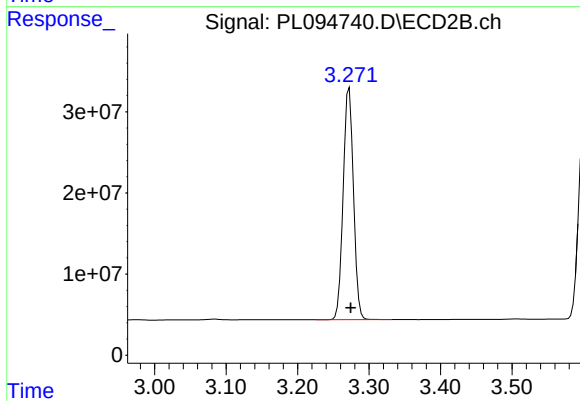
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 80695148
Conc: 22.61 ng/ml



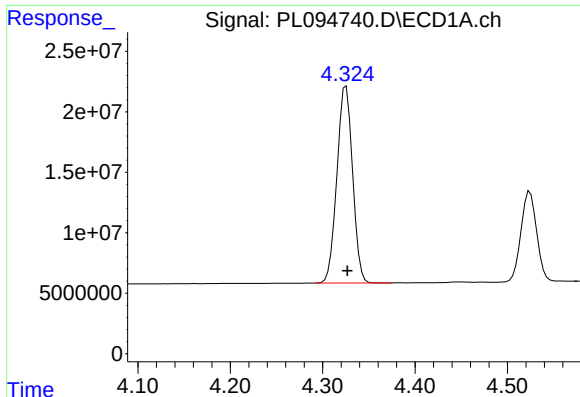
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 200046476
Conc: 48.18 ng/ml



#2 alpha-BHC

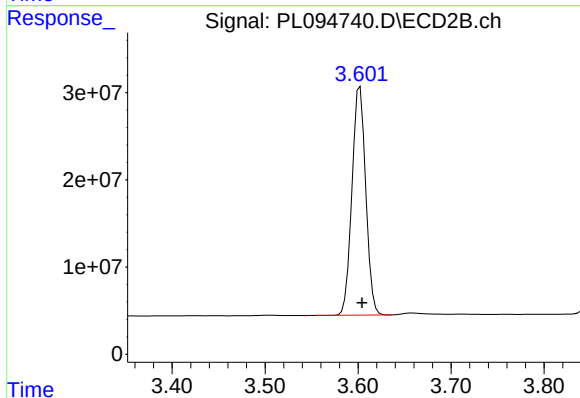
R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 285807402
Conc: 53.01 ng/ml



#3 gamma-BHC (Lindane)

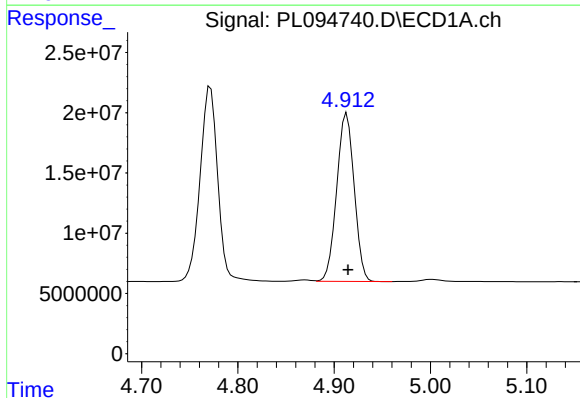
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 191918045
Conc: 48.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



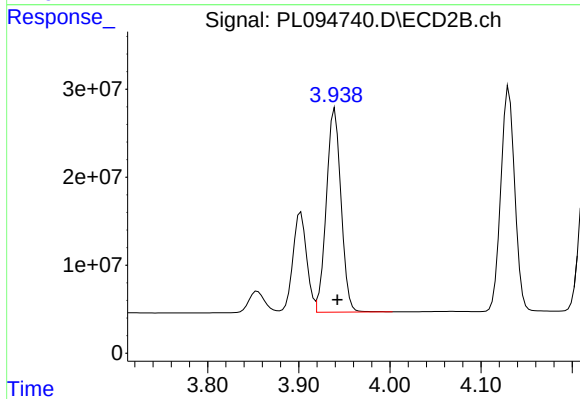
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 269807394
Conc: 52.50 ng/ml



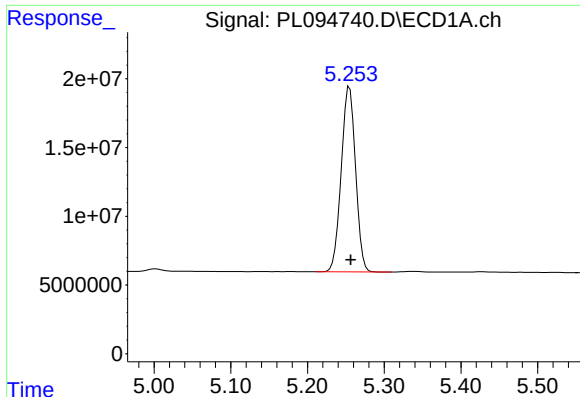
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 175924337
Conc: 45.32 ng/ml



#4 Heptachlor

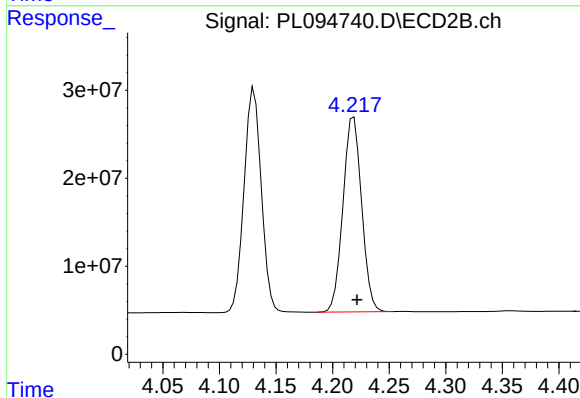
R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 258851172
Conc: 49.13 ng/ml



#5 Aldrin

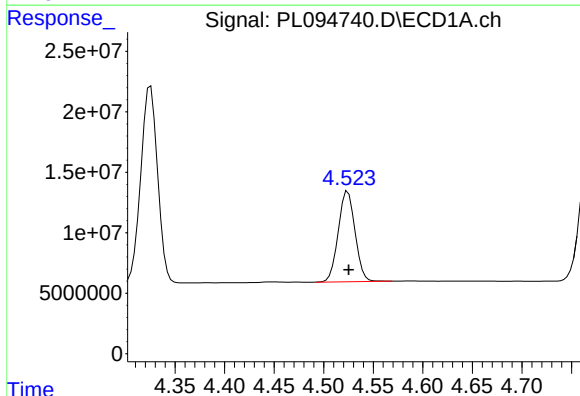
R.T.: 5.255 min
Delta R.T.: -0.002 min
Response: 174947844
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



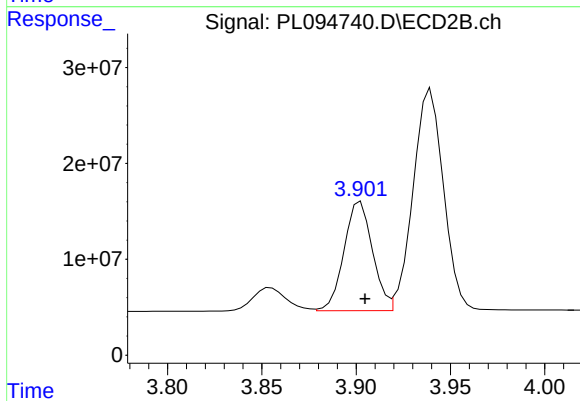
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 253656074
Conc: 52.02 ng/ml



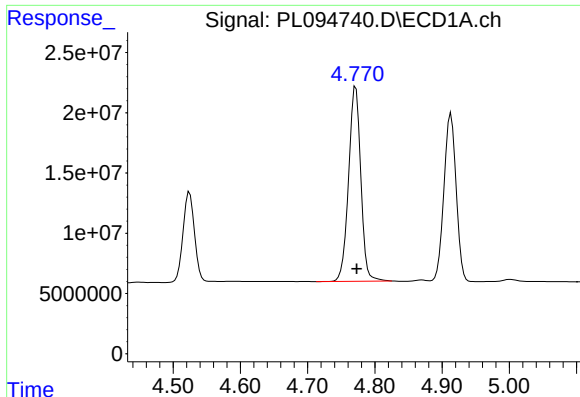
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 88447955
Conc: 47.93 ng/ml



#6 beta-BHC

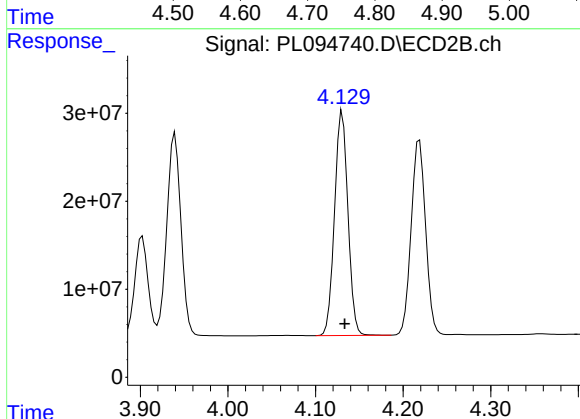
R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 119520735
Conc: 53.81 ng/ml



#7 delta-BHC

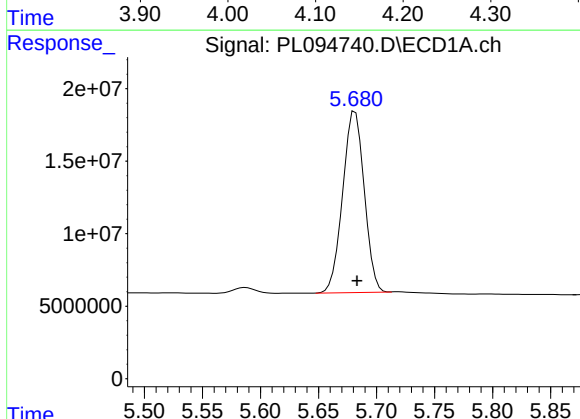
R.T.: 4.772 min
Delta R.T.: -0.001 min
Response: 204116328
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



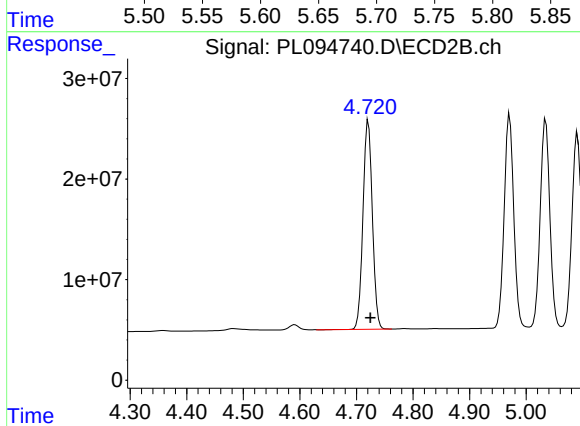
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 270823213
Conc: 54.14 ng/ml



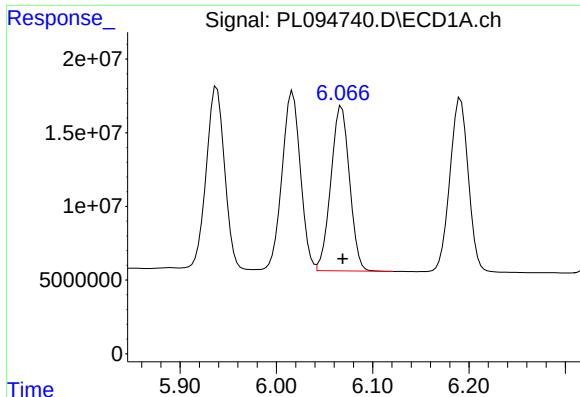
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 161755953
Conc: 48.35 ng/ml



#8 Heptachlor epoxide

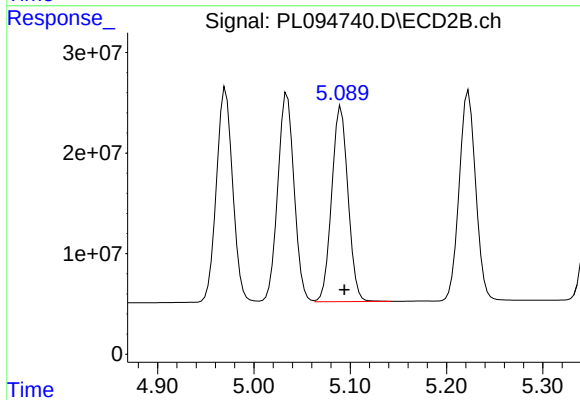
R.T.: 4.721 min
Delta R.T.: -0.004 min
Response: 238986385
Conc: 52.20 ng/ml



#9 Endosulfan I

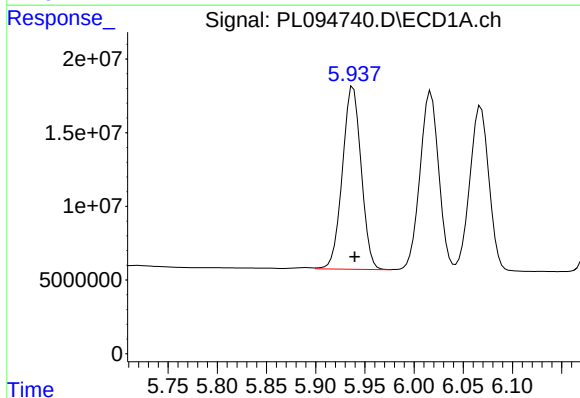
R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 150914932
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



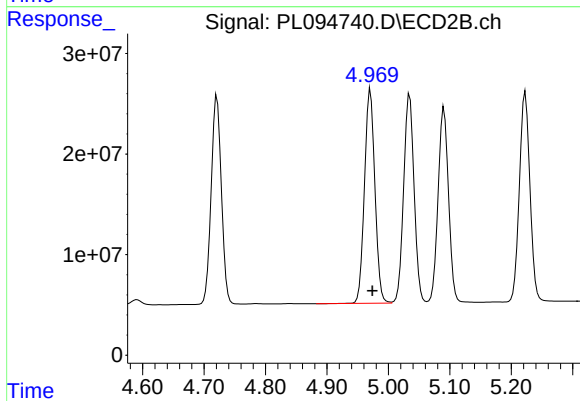
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 229053548
Conc: 52.19 ng/ml



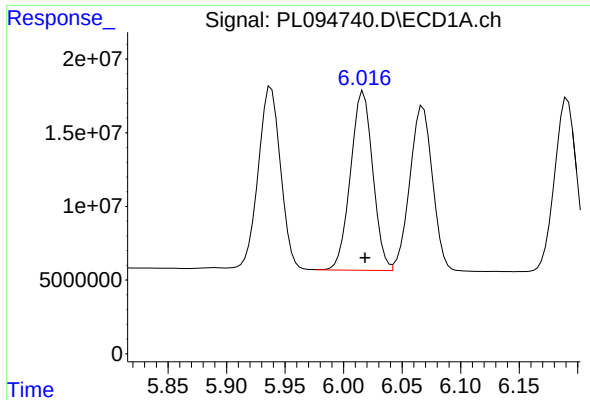
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 164632768
Conc: 48.86 ng/ml



#10 gamma-Chlordane

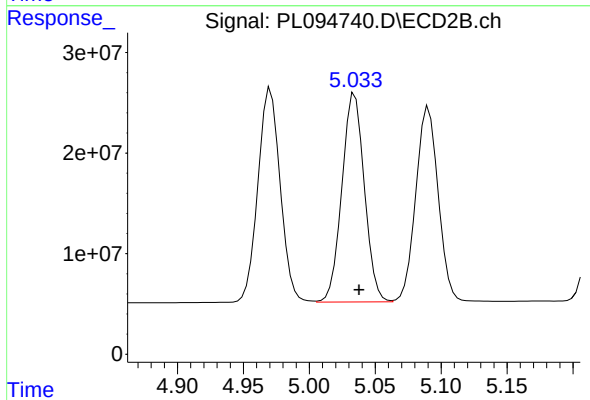
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 250845058
Conc: 51.95 ng/ml



#11 alpha-Chlordane

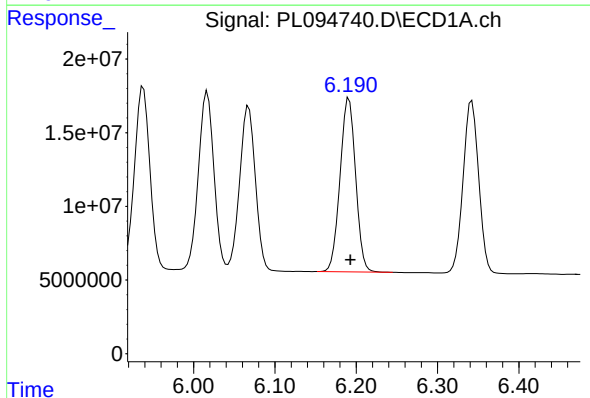
R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 161095760
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



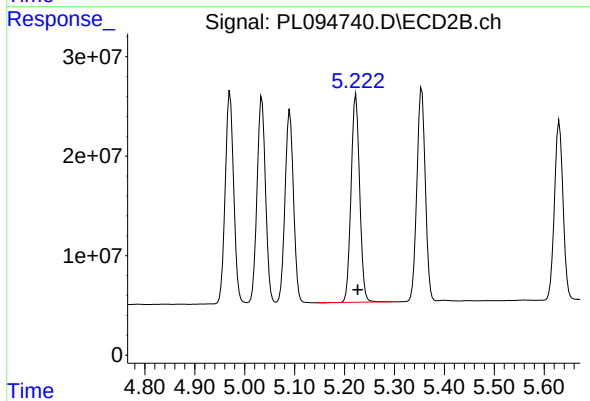
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 245571045
Conc: 51.45 ng/ml



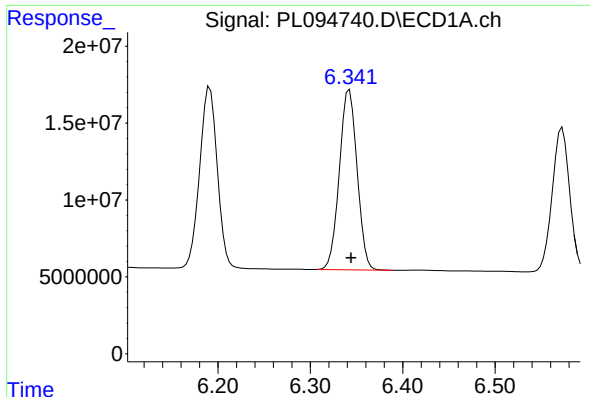
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 156525635
Conc: 53.20 ng/ml



#12 4,4'-DDE

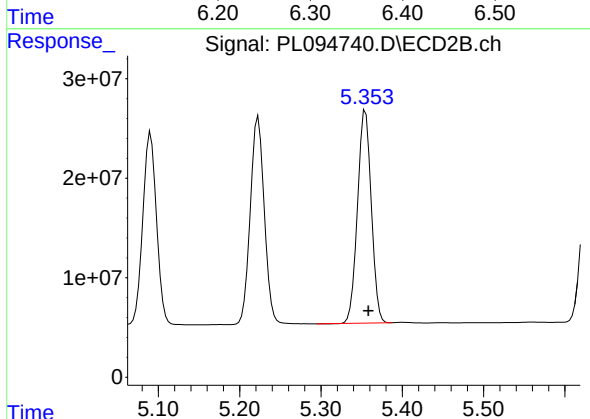
R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 249157160
Conc: 53.60 ng/ml



#13 Dieldrin

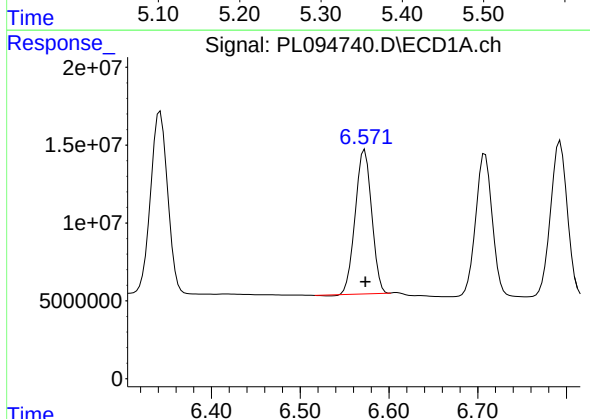
R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 156343410
Conc: 48.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



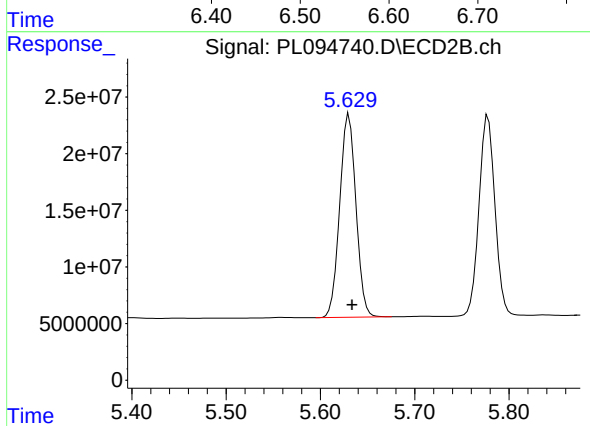
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.004 min
Response: 251172102
Conc: 51.77 ng/ml



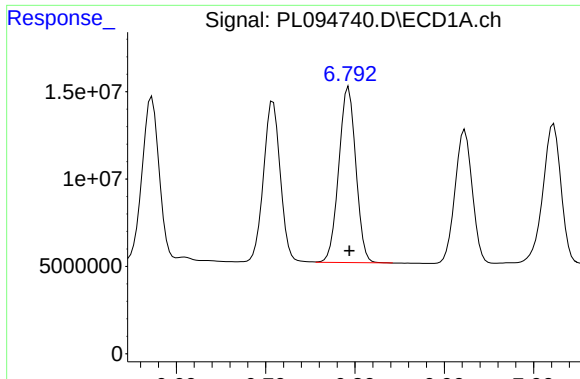
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118715938
Conc: 42.83 ng/ml



#14 Endrin

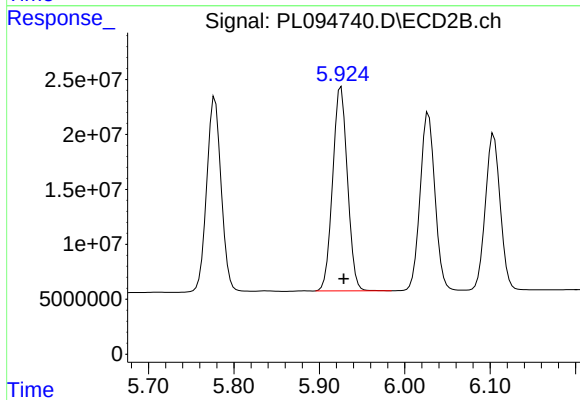
R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 214823706
Conc: 49.23 ng/ml



#15 Endosulfan II

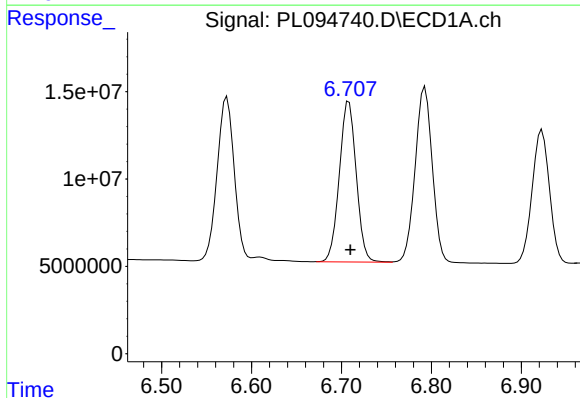
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 133281796
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



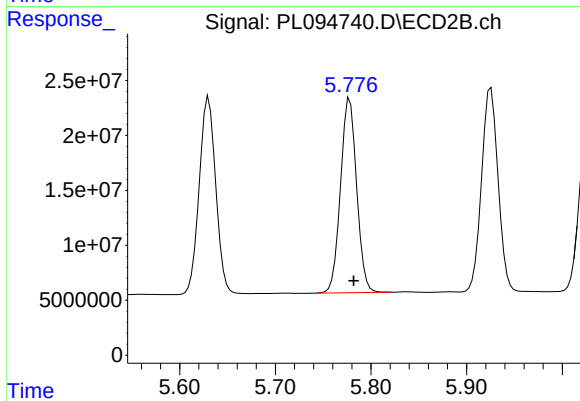
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 223469497
Conc: 51.63 ng/ml



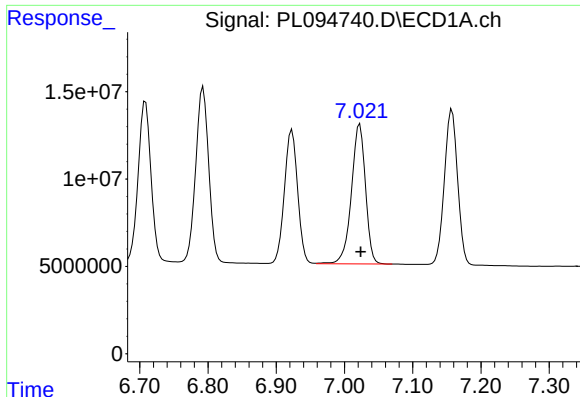
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 120259421
Conc: 55.52 ng/ml



#16 4,4'-DDD

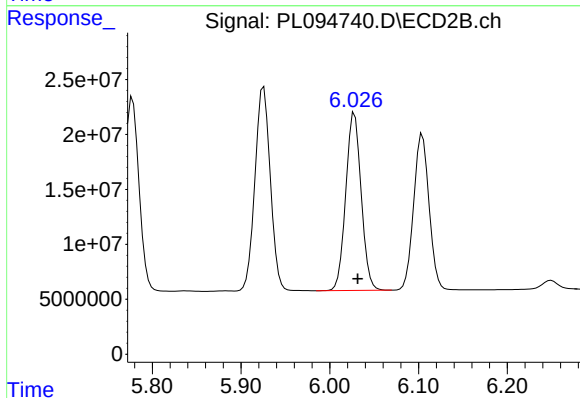
R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 207860848
Conc: 57.81 ng/ml



#17 4,4'-DDT

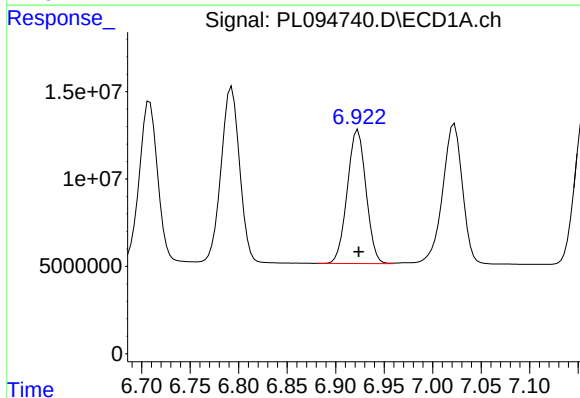
R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 114392988
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



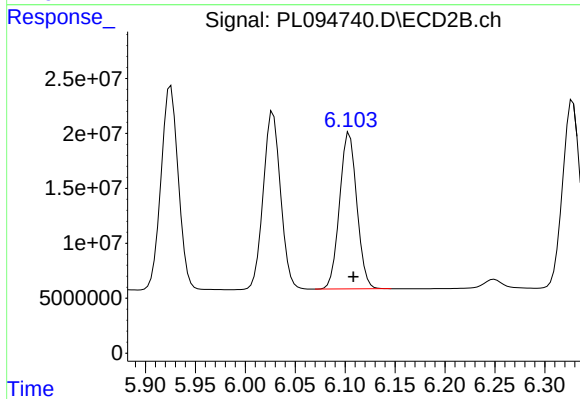
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 195071534
Conc: 48.38 ng/ml



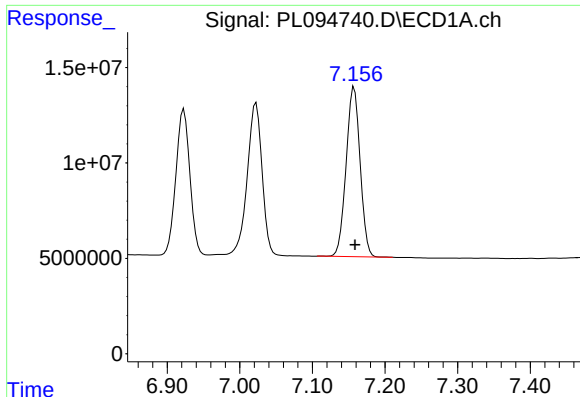
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 102819449
Conc: 48.71 ng/ml



#18 Endrin aldehyde

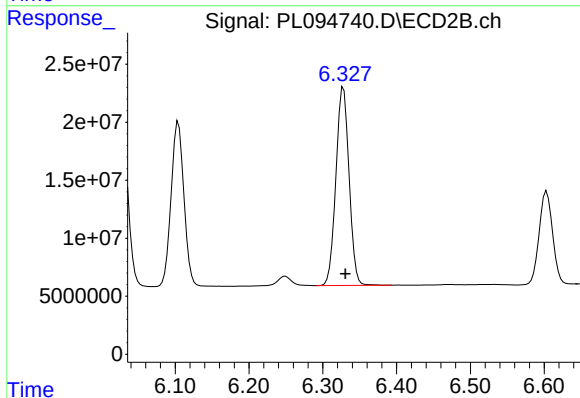
R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 171222786
Conc: 50.88 ng/ml



#19 Endosulfan Sulfate

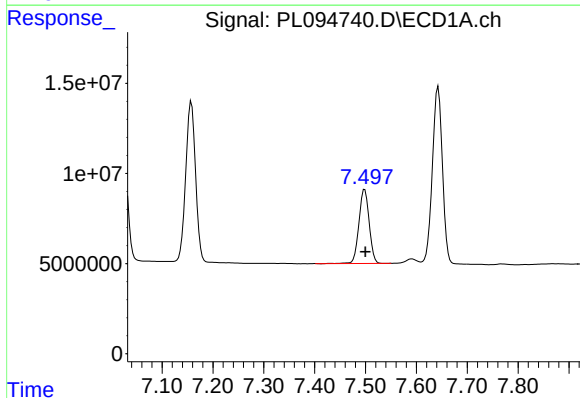
R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 119561879
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



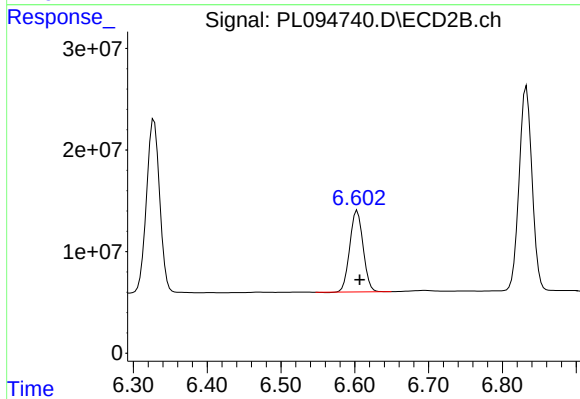
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 212593059
Conc: 52.19 ng/ml



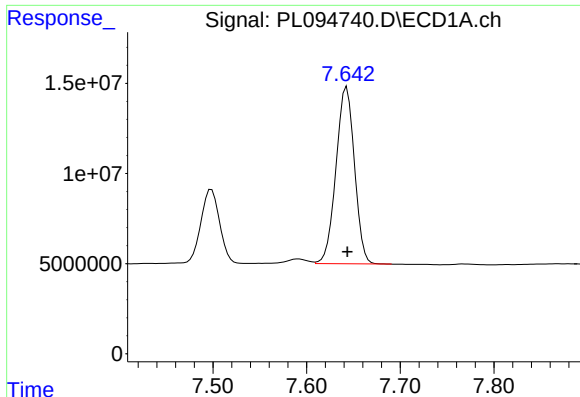
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.001 min
Response: 57230208
Conc: 47.81 ng/ml



#20 Methoxychlor

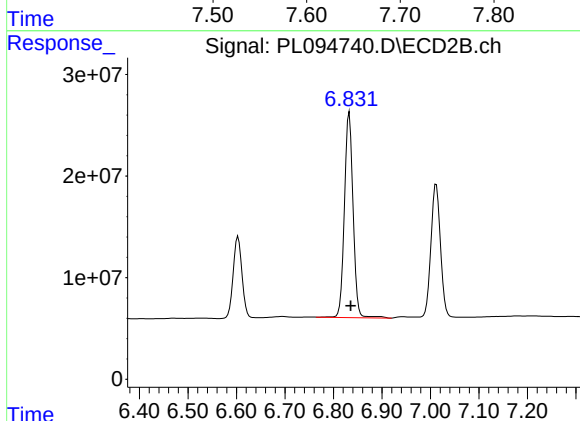
R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 100676197
Conc: 47.46 ng/ml



#21 Endrin ketone

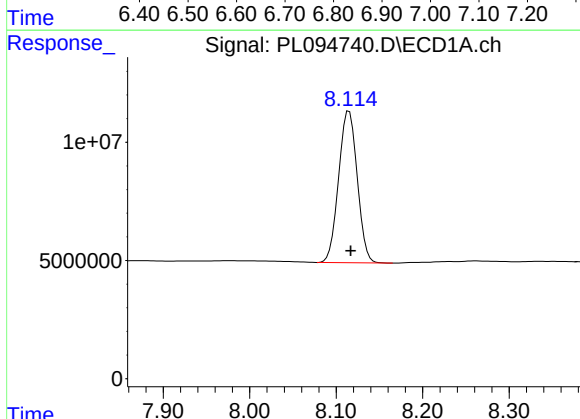
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 134733996
Conc: 50.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



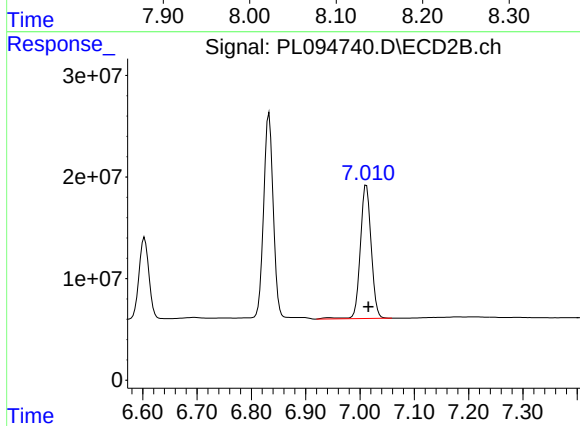
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 251306002
Conc: 52.66 ng/ml



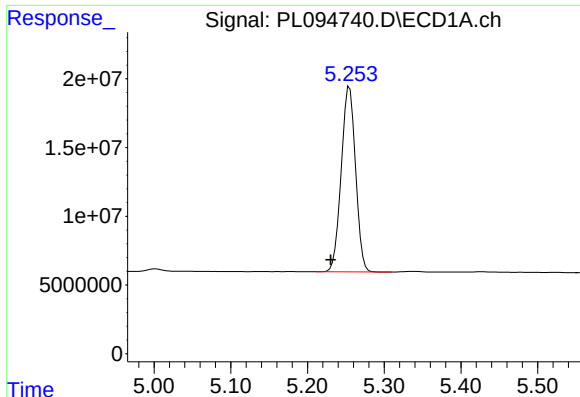
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 95476499
Conc: 46.21 ng/ml



#22 Mirex

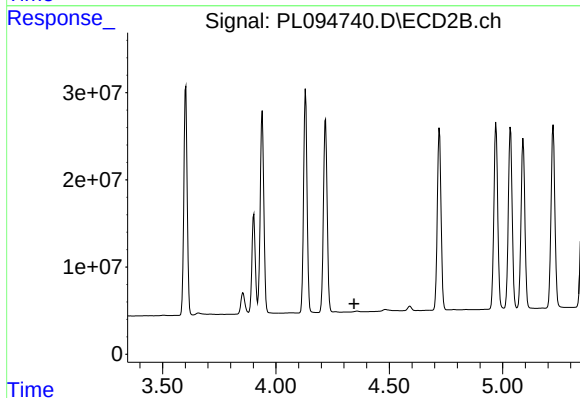
R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 182435223
Conc: 48.07 ng/ml



#24 Chlordane-2

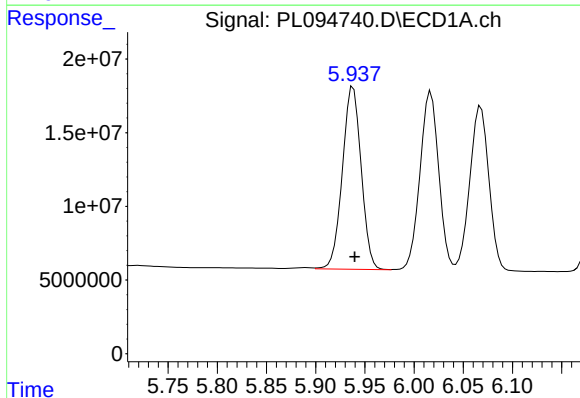
R.T.: 5.255 min
Delta R.T.: 0.024 min
Response: 174947844
Conc: 1156.26 ng/m

Instrument :
ECD_L
ClientSampleId :
PB167215BS



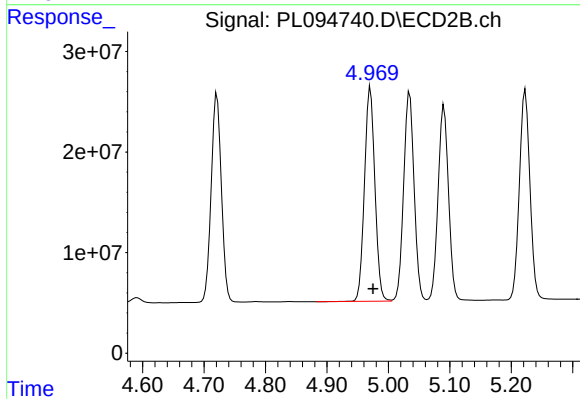
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



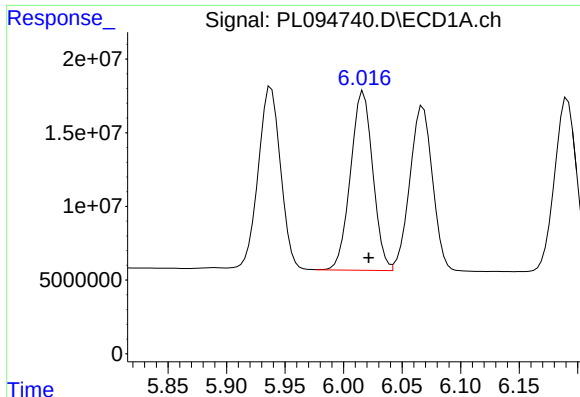
#25 Chlordane-3

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 164632768
Conc: 329.38 ng/ml



#25 Chlordane-3

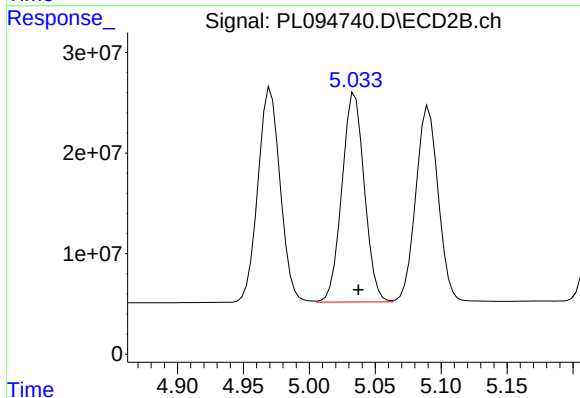
R.T.: 4.971 min
Delta R.T.: -0.004 min
Response: 250845058
Conc: 471.52 ng/ml



#26 Chlordane-4

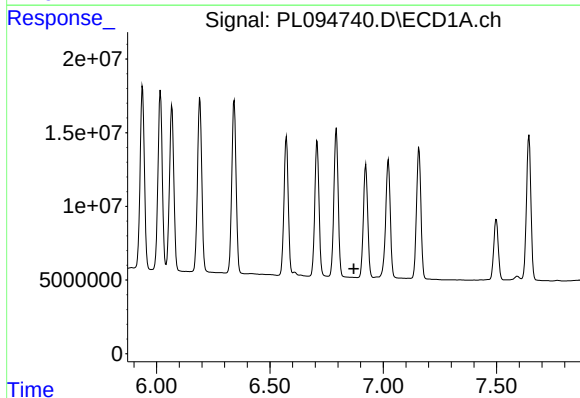
R.T.: 6.017 min
Delta R.T.: -0.004 min
Response: 161095760
Conc: 273.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



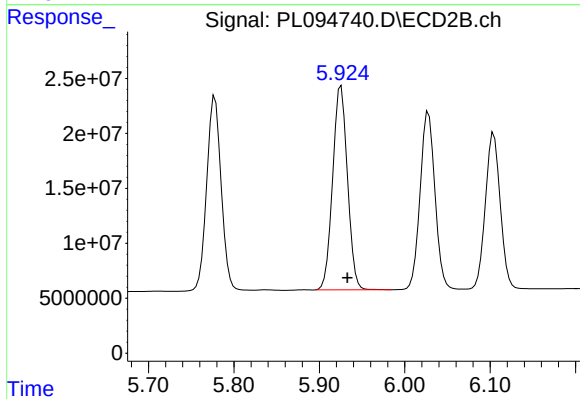
#26 Chlordane-4

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 245571045
Conc: 471.74 ng/ml



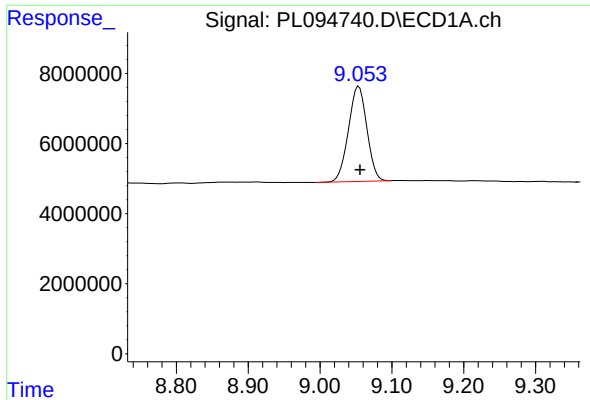
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

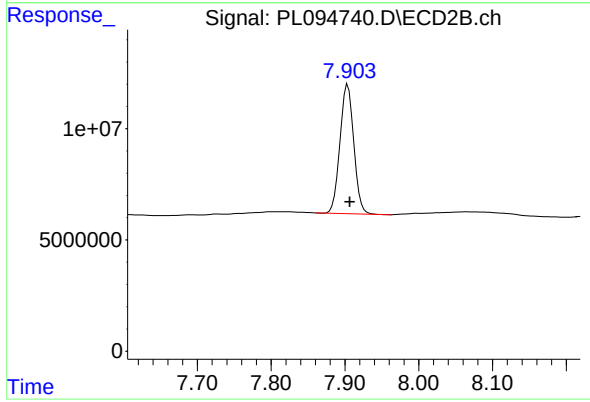
R.T.: 5.926 min
Delta R.T.: -0.007 min
Response: 223469497
Conc: 1164.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48219387
Conc: 22.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167215BS



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 75520531
Conc: 18.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:22
Operator : AR\AJ
Sample : Q1569-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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	2.771	63223690	79789209	22.335	22.354
28) SA Decachlor...	9.050	7.903	52612277	90254045	24.965	22.344
Target Compounds						
7) B delta-BHC	4.762	0.000	58522305	0	15.028	N.D. #

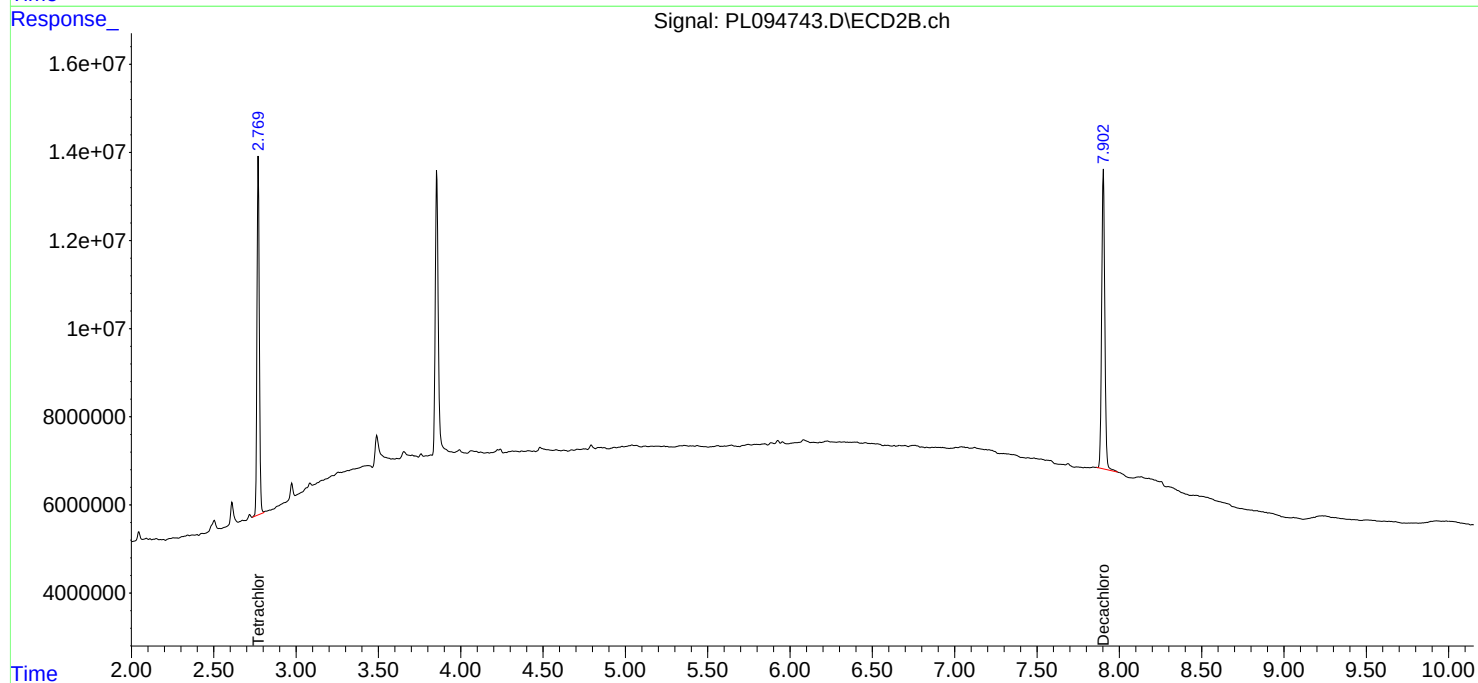
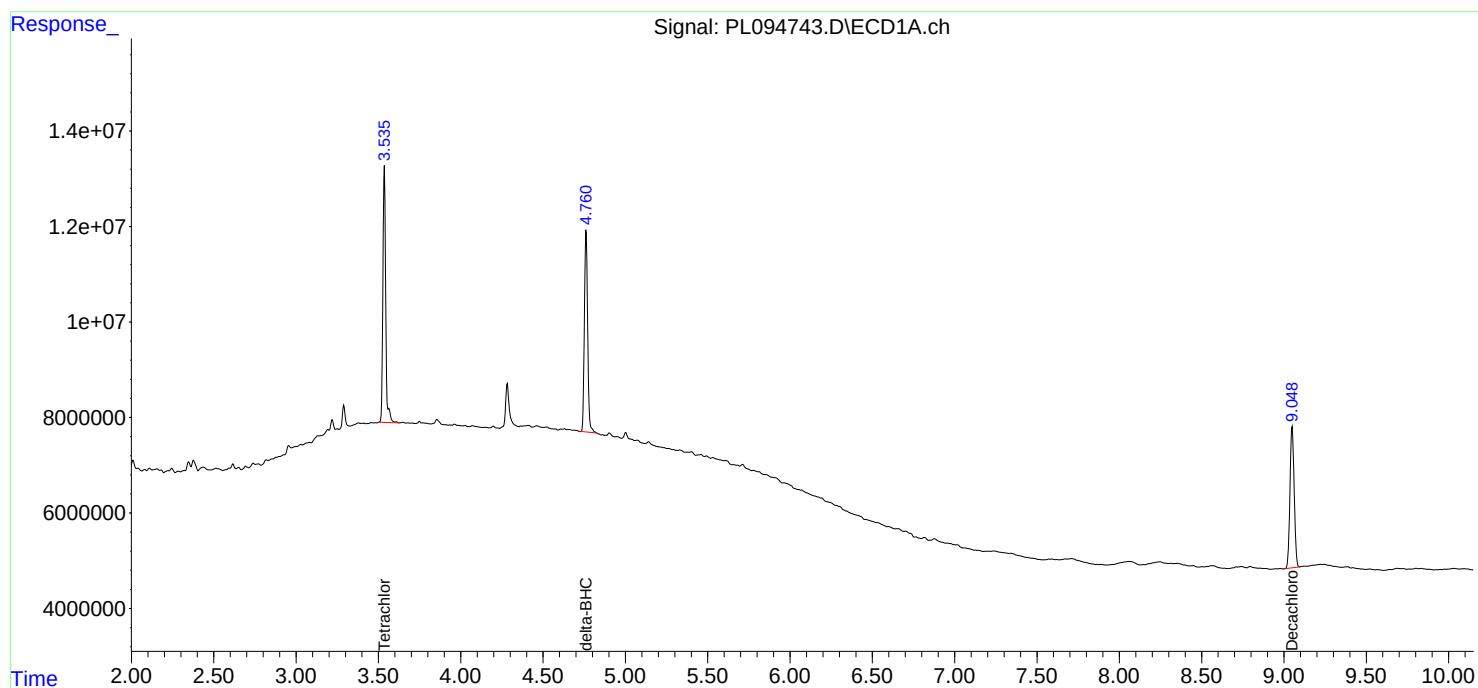
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

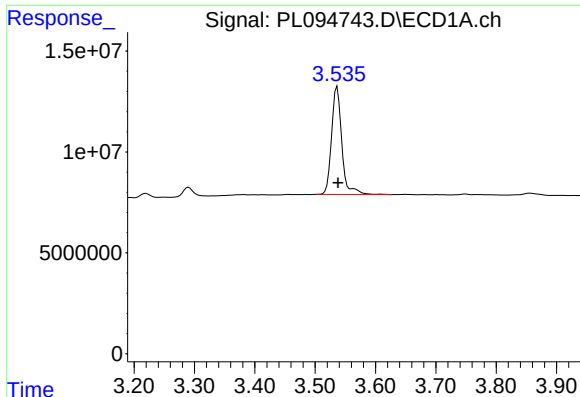
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:22
Operator : AR\AJ
Sample : Q1569-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

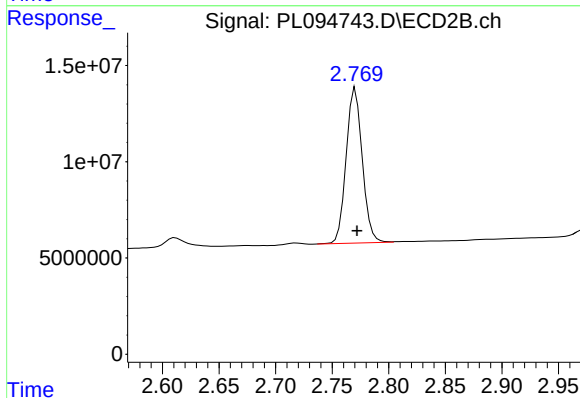




#1 Tetrachloro-m-xylene

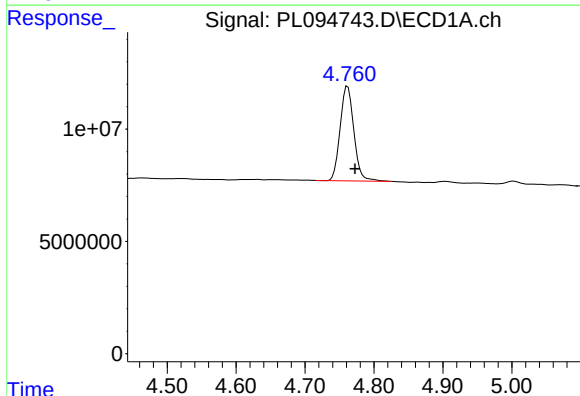
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 63223690
Conc: 22.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01



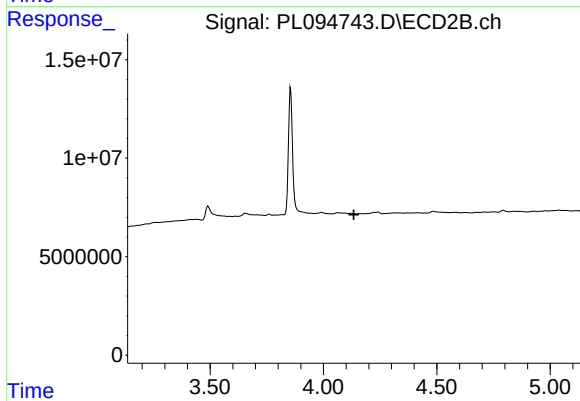
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 79789209
Conc: 22.35 ng/ml



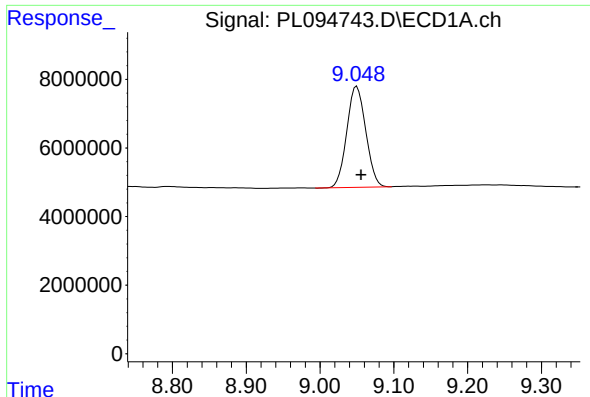
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.011 min
Response: 58522305
Conc: 15.03 ng/ml



#7 delta-BHC

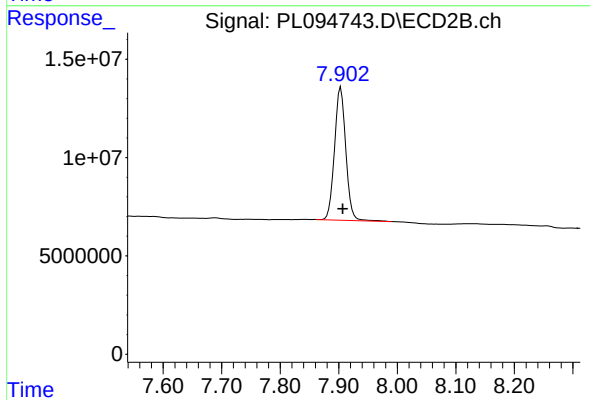
R.T.: 0.000 min
Exp R.T. : 4.133 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 52612277
Conc: 24.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 90254045
Conc: 22.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094744.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 17:36
 Operator : AR\AJ
 Sample : Q1569-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-01MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:06:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	61638939	75824624	21.775	21.244
28)	SA Decachlor...	9.051	7.903	51086676	90008863	24.241	22.283
Target Compounds							
2)	A alpha-BHC	3.992	3.272	219.9E6	352.6E6	52.957	65.400
3)	MA gamma-BHC...	4.324	3.602	205.5E6	317.0E6	51.512	61.672
4)	MA Heptachlor	4.913	3.939	191.0E6	274.8E6	49.207	52.155
5)	MB Aldrin	5.254	4.218	181.8E6	249.0E6	49.237	51.063
6)	B beta-BHC	4.524	3.902	98723090	131.2E6	53.502	59.054
7)	B delta-BHC	4.770	4.130	190.3E6	239.7E6	48.869	47.923
8)	B Heptachlo...	5.680	4.721	177.1E6	264.8E6	52.928	57.830
9)	A Endosulfan I	6.066	5.091	165.0E6	256.0E6	53.729	58.336
10)	B gamma-Chl...	5.937	4.971	178.7E6	280.1E6	53.044	58.021
11)	B alpha-Chl...	6.015	5.035	175.4E6	274.9E6	53.202	57.595
12)	B 4,4'-DDE	6.189	5.223	171.9E6	276.7E6	58.418	59.522
13)	MA Dieldrin	6.341	5.355	174.2E6	279.1E6	54.457	57.525
14)	MA Endrin	6.571	5.630	140.5E6	253.4E6	50.684	58.072
15)	B Endosulfa...	6.792	5.925	148.9E6	249.5E6	54.836	57.647
16)	A 4,4'-DDD	6.707	5.779	132.3E6	225.8E6	61.060	62.799
17)	MA 4,4'-DDT	7.021	6.028	130.7E6	224.2E6	54.966	55.599
18)	B Endrin al...	6.921	6.105	109.6E6	187.2E6	51.920	55.614
19)	B Endosulfa...	7.155	6.328	128.9E6	230.8E6	53.012	56.652
20)	A Methoxychlor	7.497	6.604	64681005	114.9E6	54.033	54.190
21)	B Endrin ke...	7.641	6.833	148.9E6	270.5E6	56.327	56.674
22)	Mirex	8.114	7.012	105.9E6	200.9E6	51.264	52.946
23)	Chlordane-1	0.000	3.761	0	1363527	N.D.	9.028 #
24)	Chlordane-2	5.254f	4.360	181.8E6	6952540	1201.494	39.372 #
25)	Chlordane-3	5.937	4.971	178.7E6	280.1E6	357.578	526.597 #
26)	Chlordane-4	6.015	5.035	175.4E6	274.9E6	297.743	528.065 #
27)	Chlordane-5	0.000	5.925	0	249.5E6	N.D.	1300.651 #

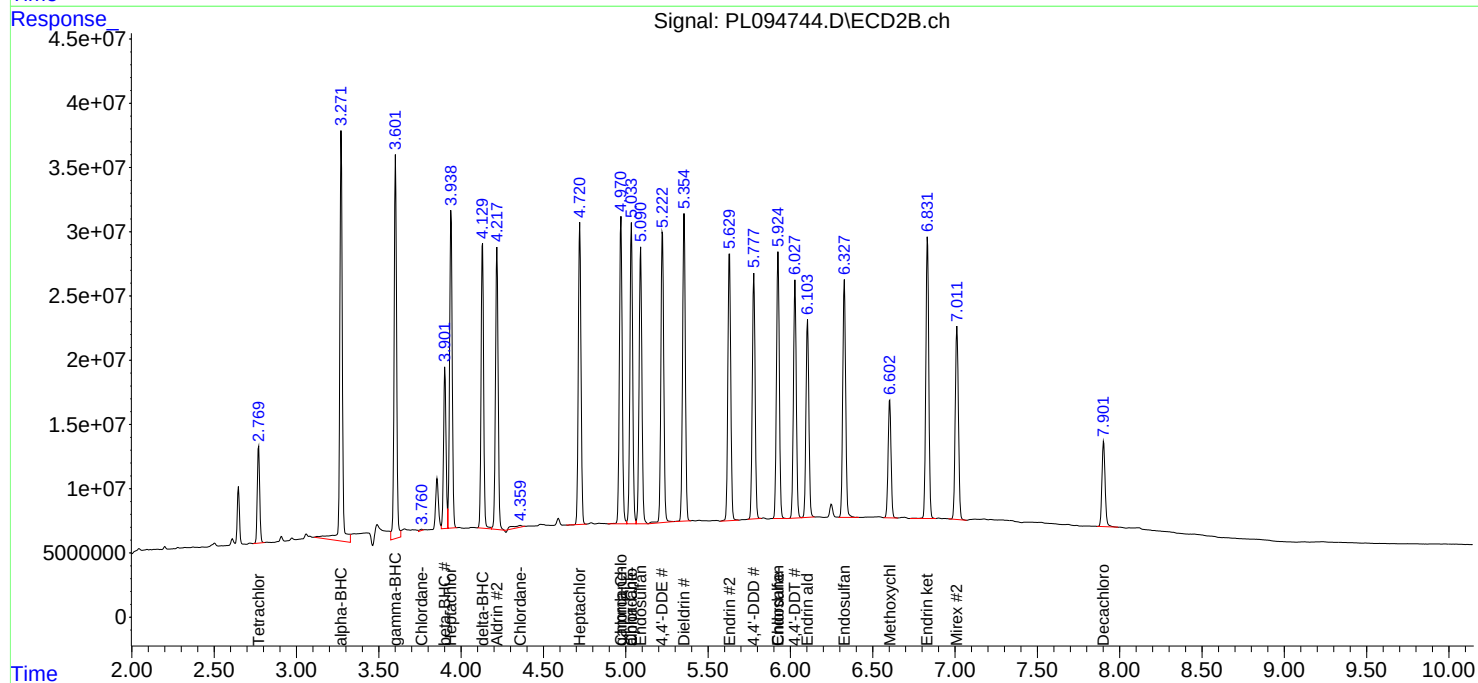
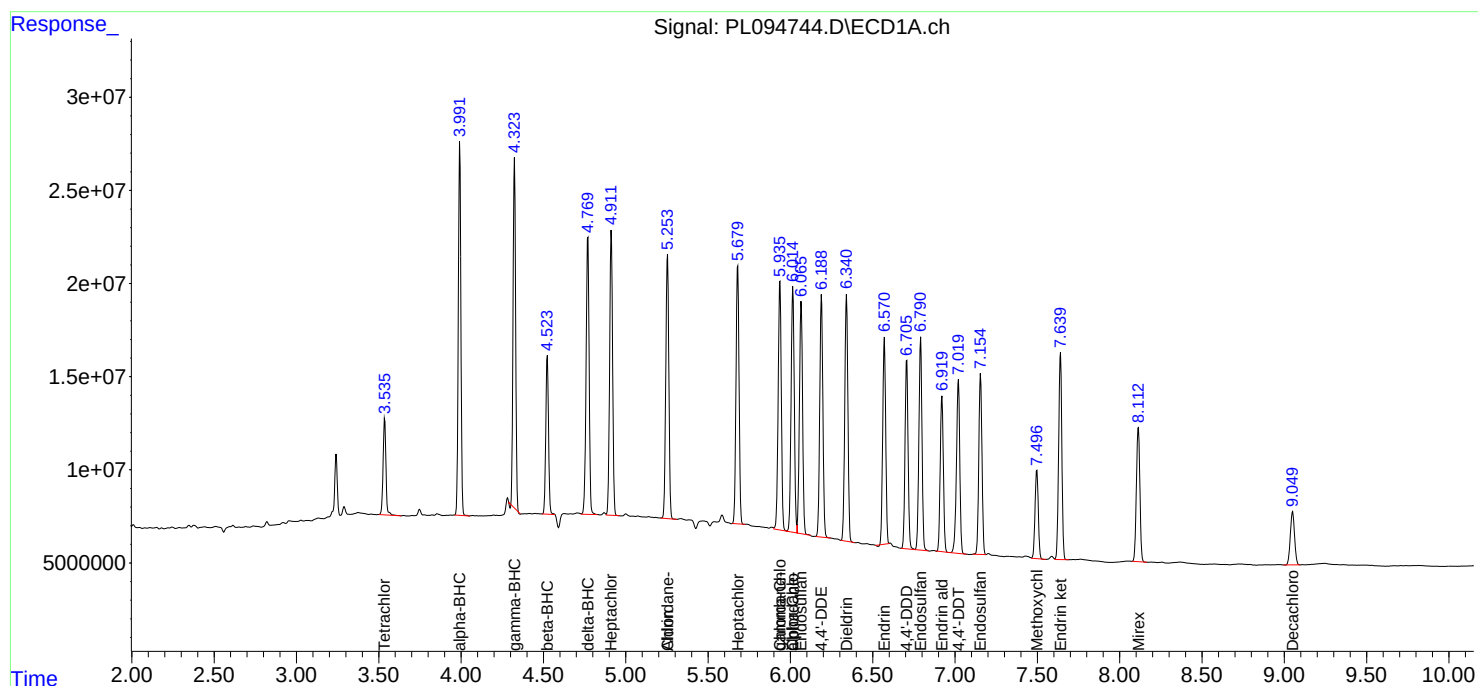
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

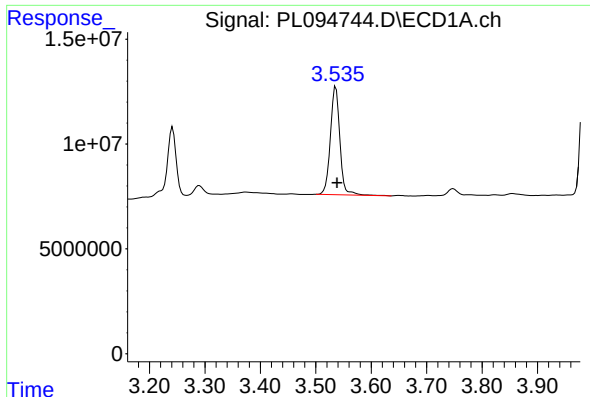
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:36
Operator : AR\AJ
Sample : Q1569-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

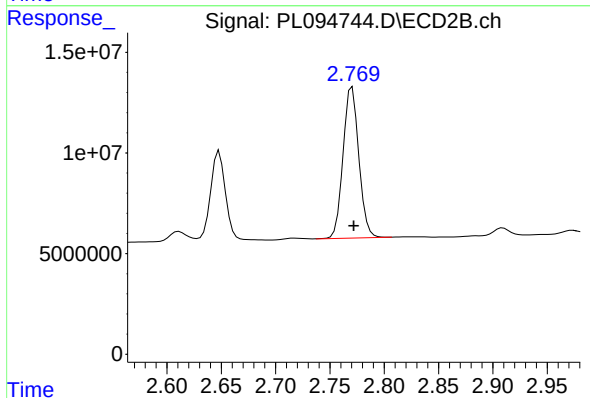




#1 Tetrachloro-m-xylene

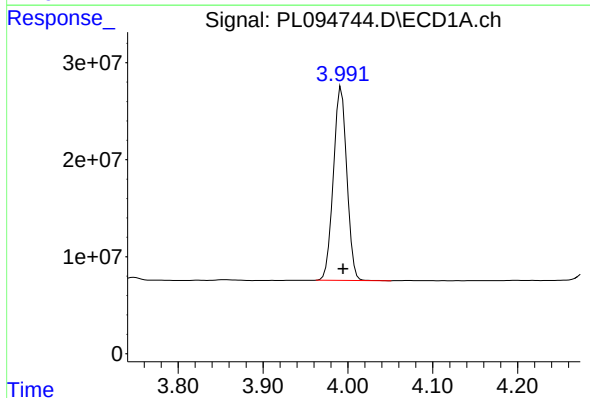
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 61638939
Conc: 21.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



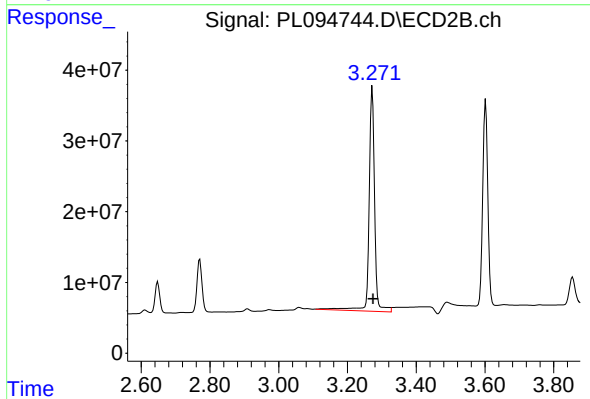
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.001 min
Response: 75824624
Conc: 21.24 ng/ml



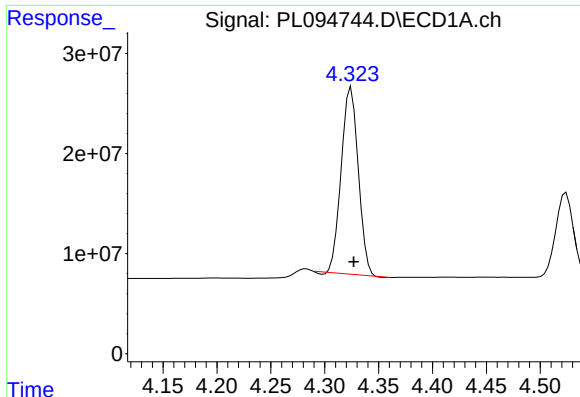
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 219894926
Conc: 52.96 ng/ml



#2 alpha-BHC

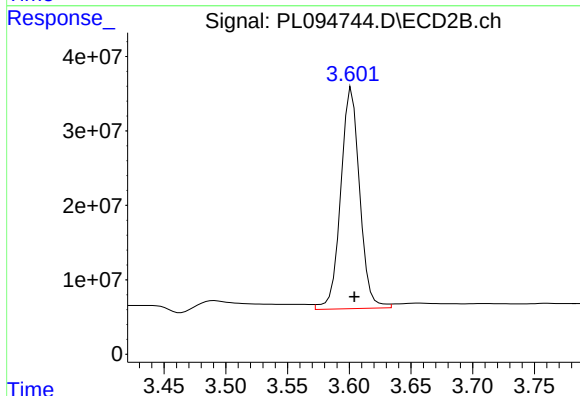
R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 352597941
Conc: 65.40 ng/ml



#3 gamma-BHC (Lindane)

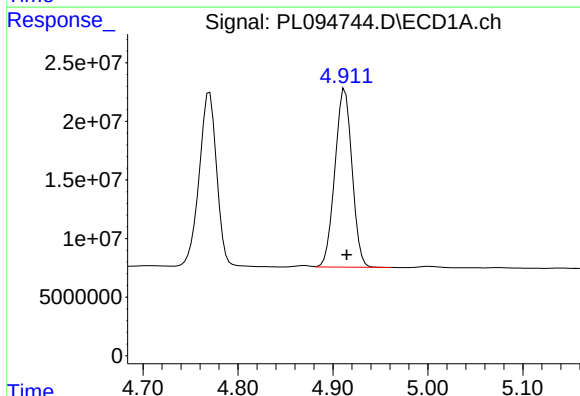
R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 205546801
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



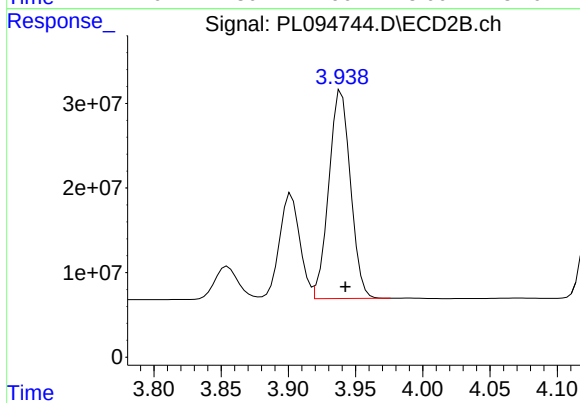
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 316957936
Conc: 61.67 ng/ml



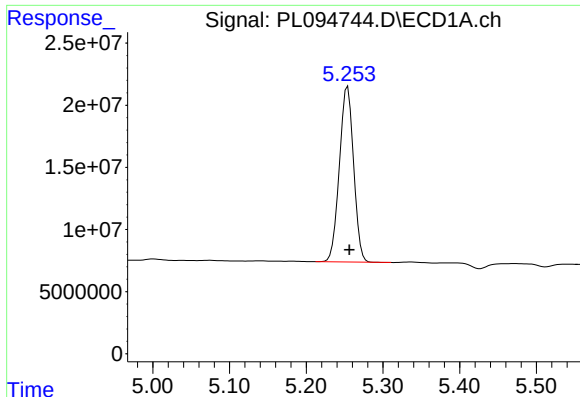
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 191005084
Conc: 49.21 ng/ml



#4 Heptachlor

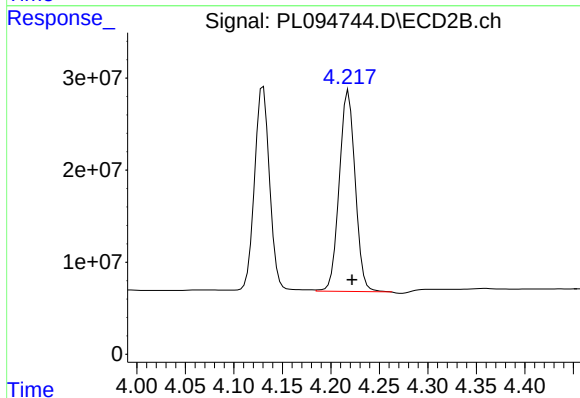
R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 274788560
Conc: 52.16 ng/ml



#5 Aldrin

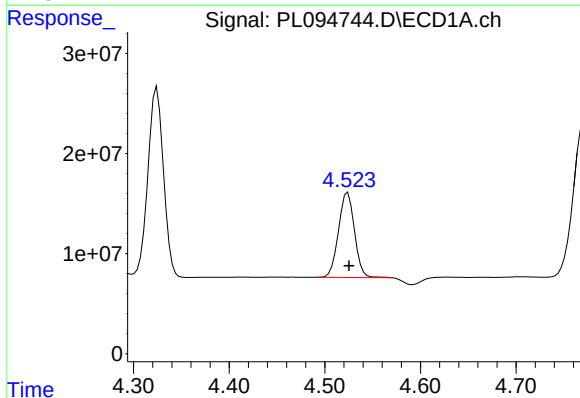
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 181792213
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



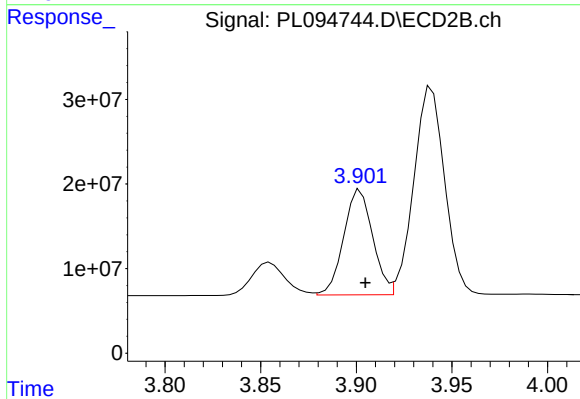
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 248999413
Conc: 51.06 ng/ml



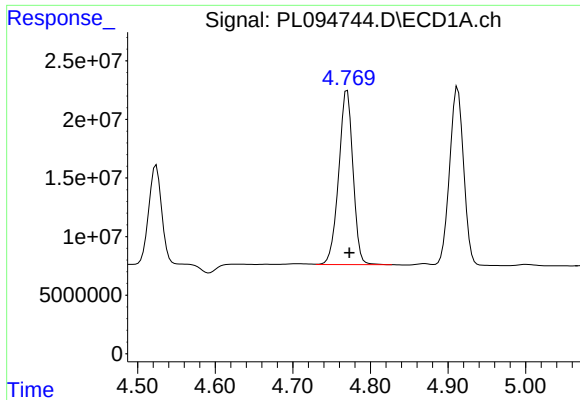
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 98723090
Conc: 53.50 ng/ml



#6 beta-BHC

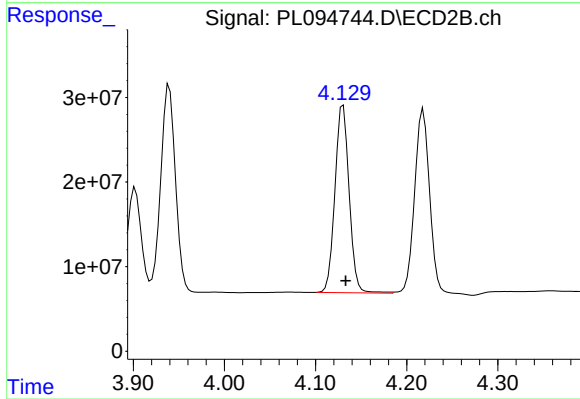
R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 131176166
Conc: 59.05 ng/ml



#7 delta-BHC

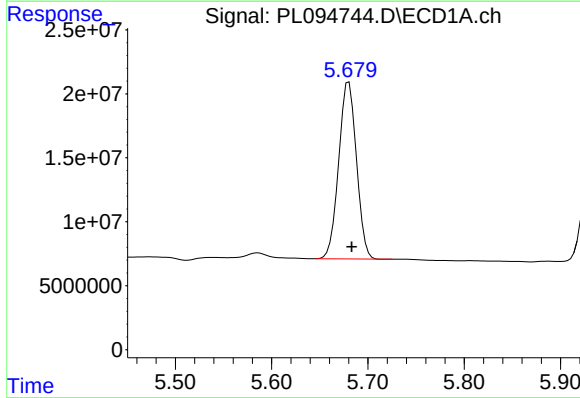
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 190309931
Conc: 48.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



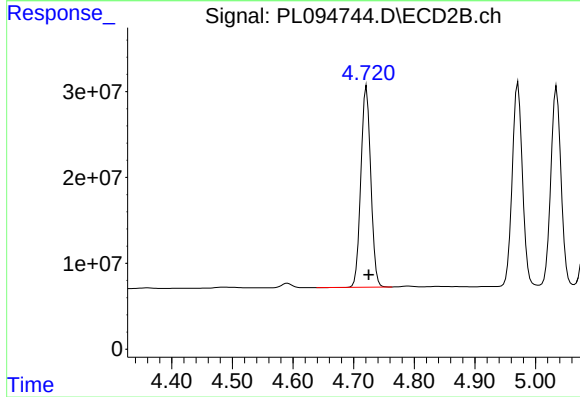
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 239709607
Conc: 47.92 ng/ml



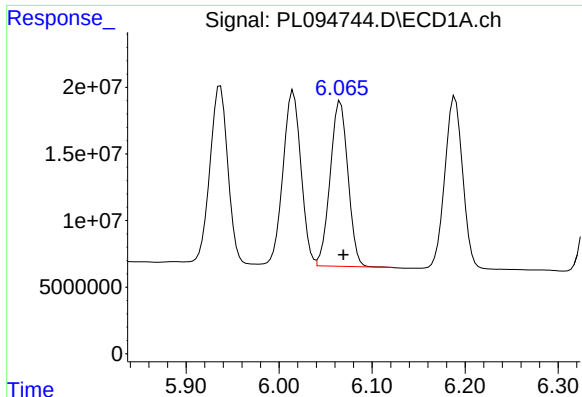
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 177055005
Conc: 52.93 ng/ml



#8 Heptachlor epoxide

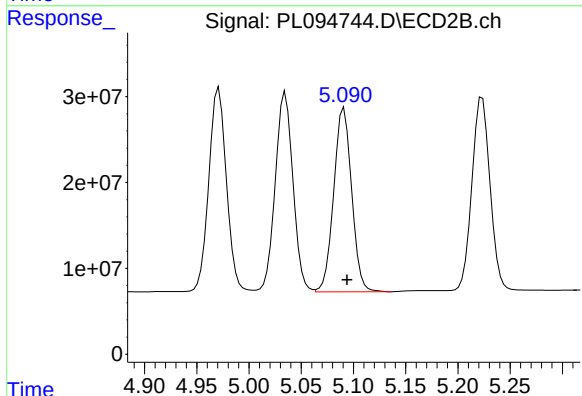
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 264778167
Conc: 57.83 ng/ml



#9 Endosulfan I

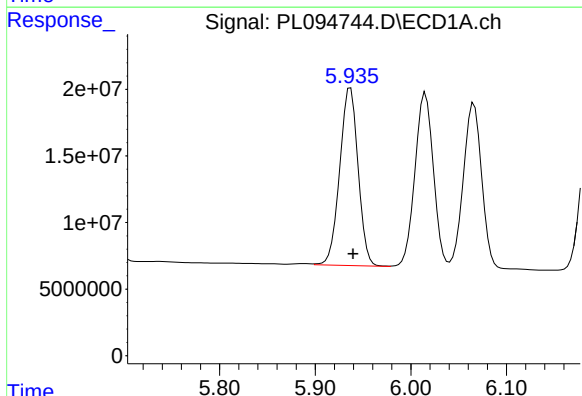
R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 164960022
Conc: 53.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



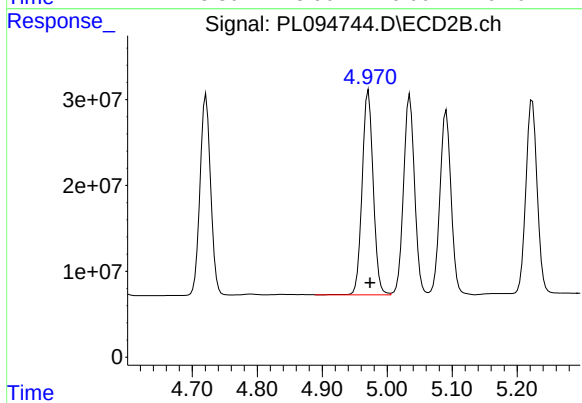
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 256019838
Conc: 58.34 ng/ml



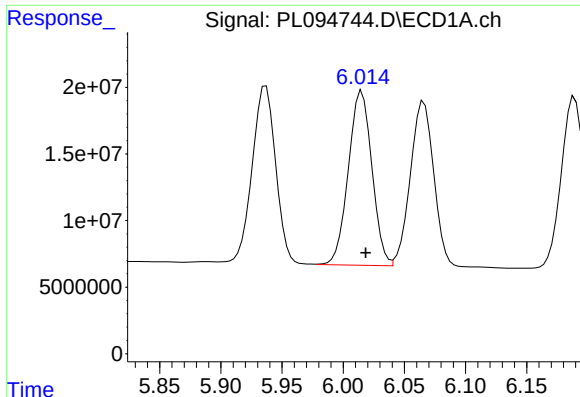
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 178724561
Conc: 53.04 ng/ml



#10 gamma-Chlordane

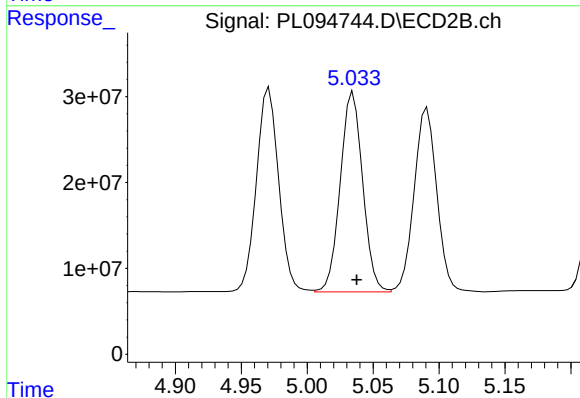
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 280148710
Conc: 58.02 ng/ml



#11 alpha-Chlordane

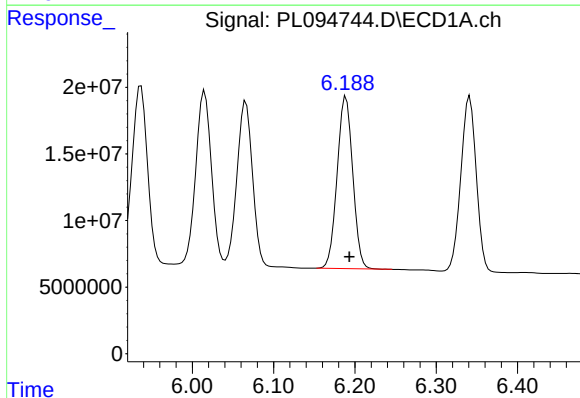
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 175398505
Conc: 53.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



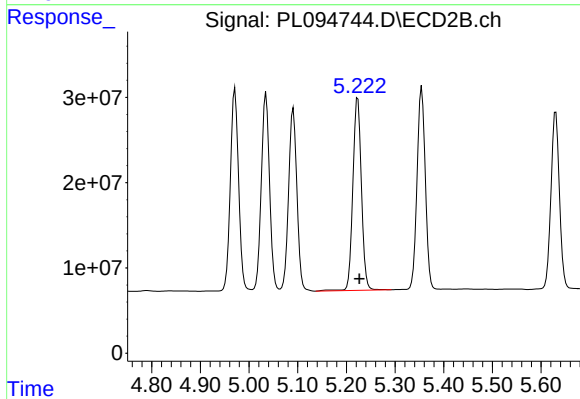
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 274889852
Conc: 57.60 ng/ml



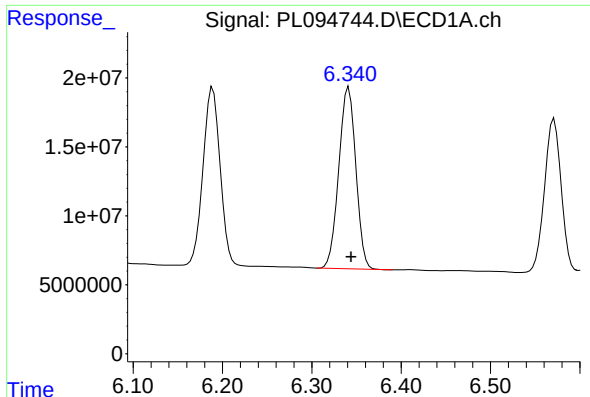
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 171870252
Conc: 58.42 ng/ml



#12 4,4'-DDE

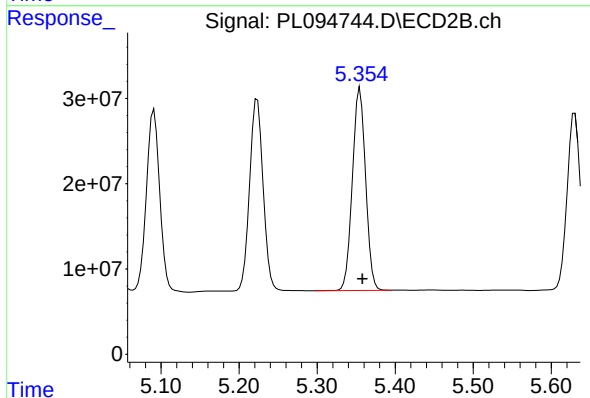
R.T.: 5.223 min
Delta R.T.: -0.003 min
Response: 276688338
Conc: 59.52 ng/ml



#13 Dieldrin

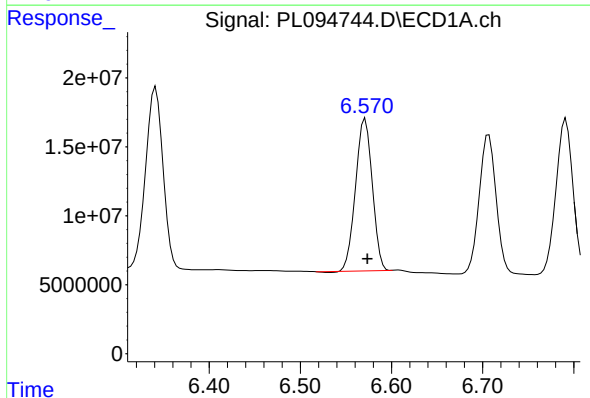
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 174159484
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



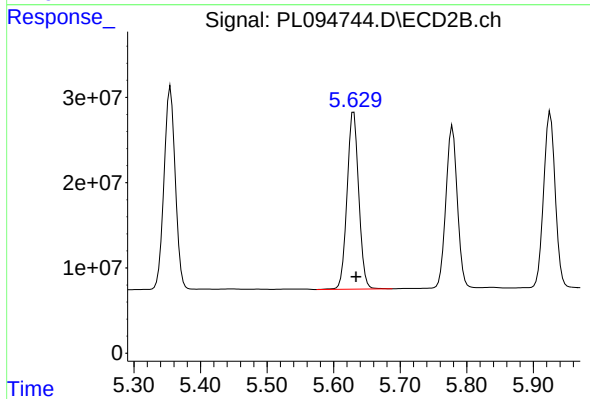
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 279100425
Conc: 57.52 ng/ml



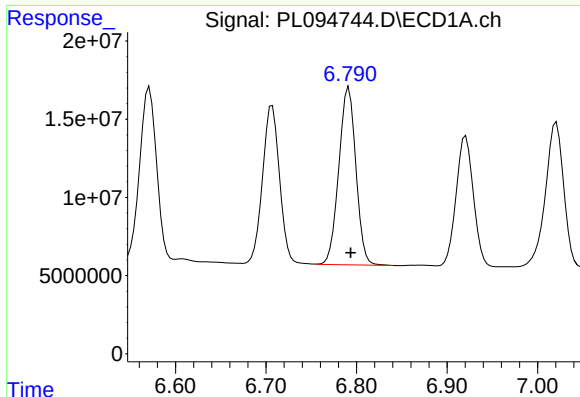
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 140499604
Conc: 50.68 ng/ml



#14 Endrin

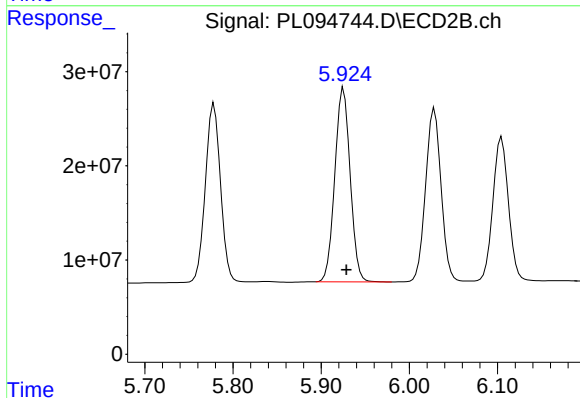
R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 253406863
Conc: 58.07 ng/ml



#15 Endosulfan II

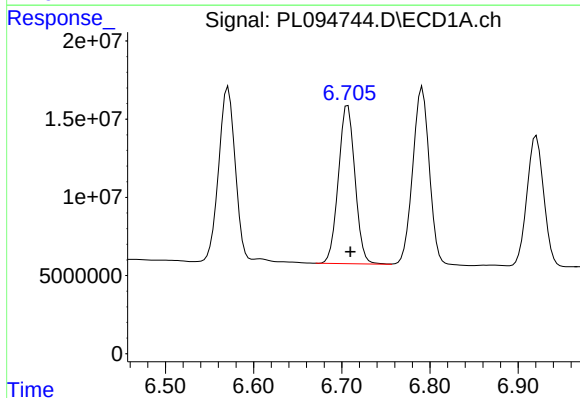
R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 148866413
Conc: 54.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



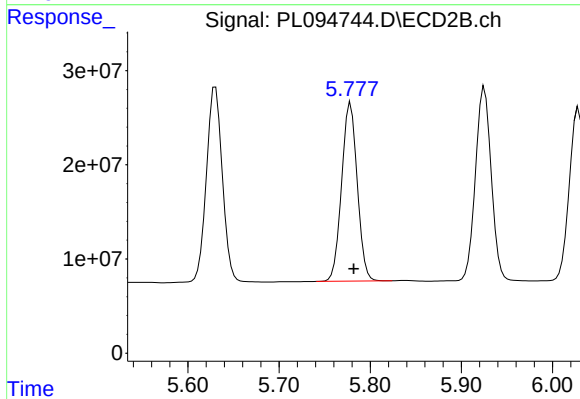
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 249511765
Conc: 57.65 ng/ml



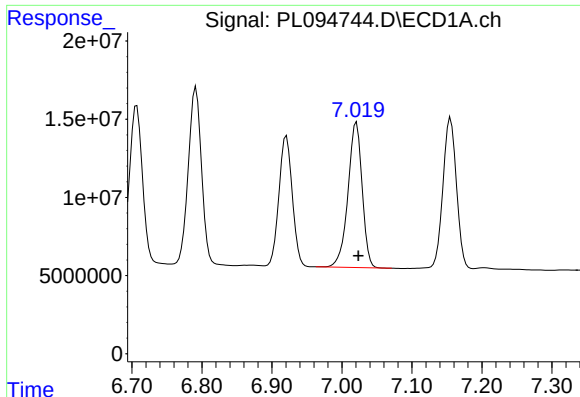
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 132261074
Conc: 61.06 ng/ml



#16 4,4'-DDD

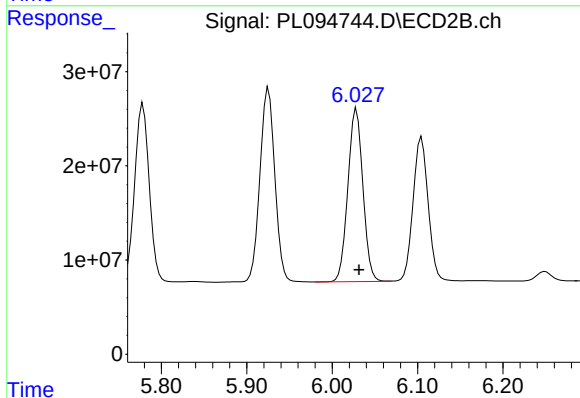
R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 225820149
Conc: 62.80 ng/ml



#17 4,4'-DDT

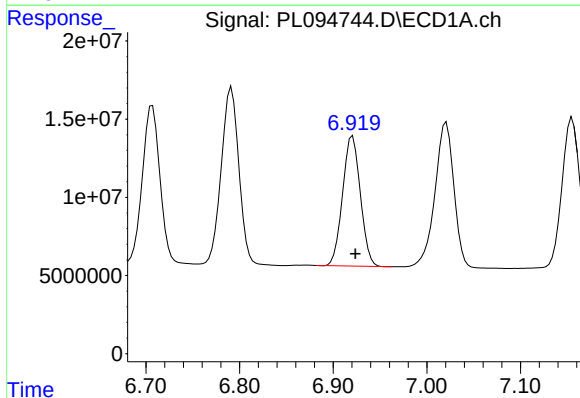
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 130739078
Conc: 54.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



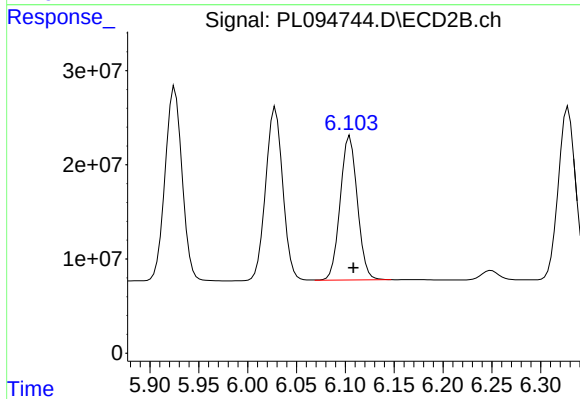
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 224180708
Conc: 55.60 ng/ml



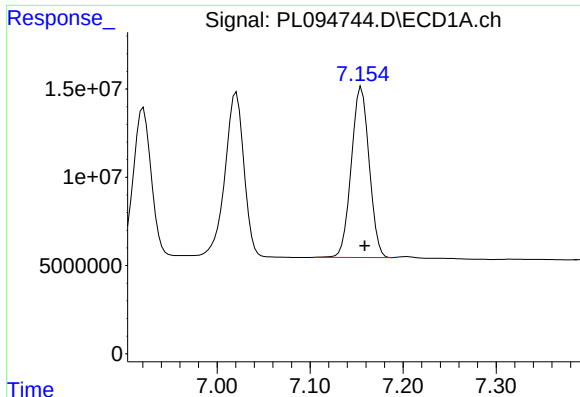
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 109602334
Conc: 51.92 ng/ml



#18 Endrin aldehyde

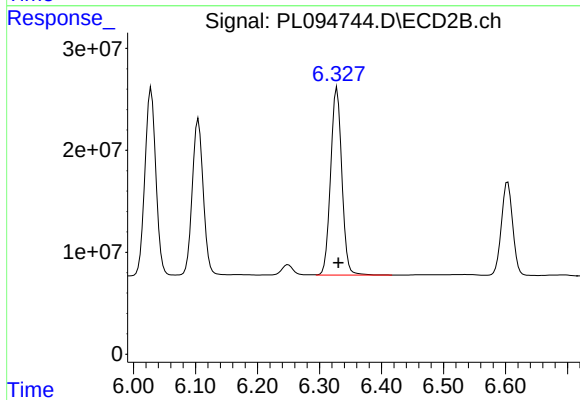
R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 187163287
Conc: 55.61 ng/ml



#19 Endosulfan Sulfate

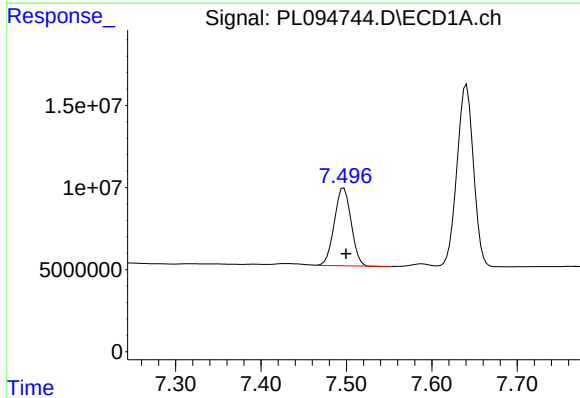
R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 128926187
Conc: 53.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



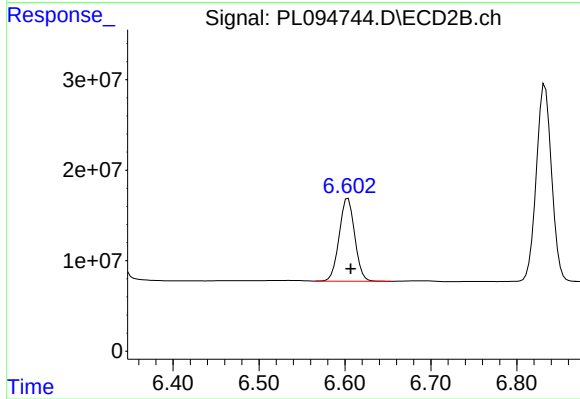
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 230769076
Conc: 56.65 ng/ml



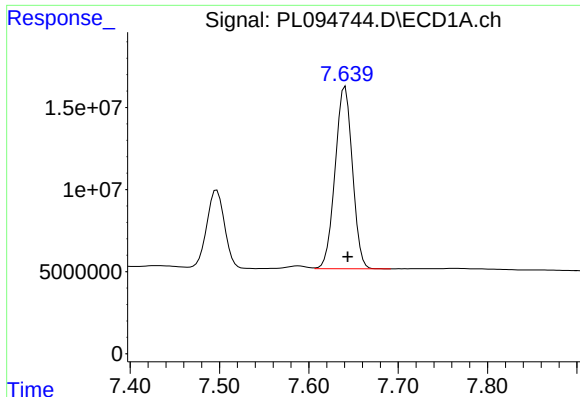
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 64681005
Conc: 54.03 ng/ml



#20 Methoxychlor

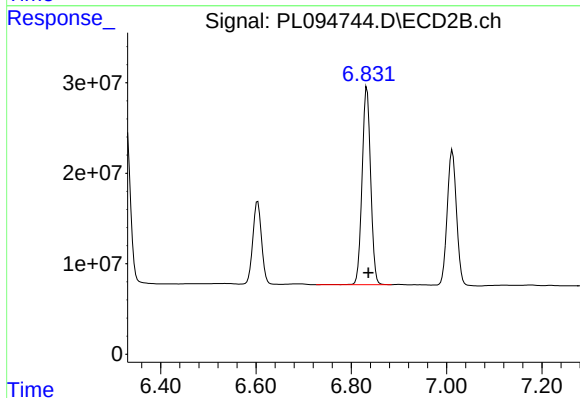
R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 114939628
Conc: 54.19 ng/ml



#21 Endrin ketone

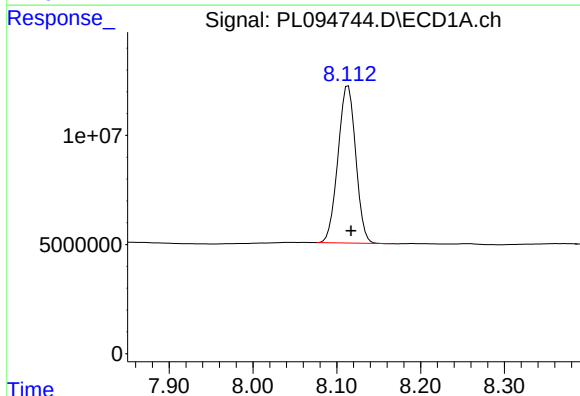
R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 148886970
Conc: 56.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



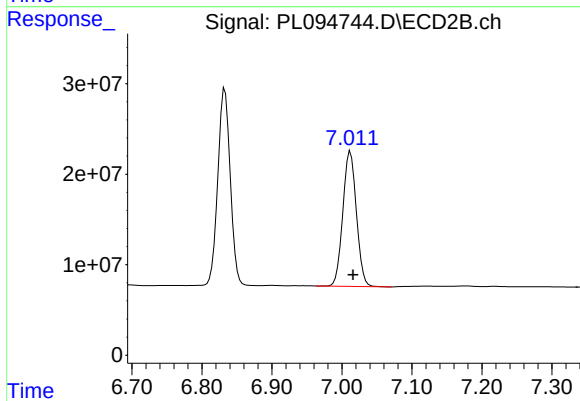
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 270480470
Conc: 56.67 ng/ml



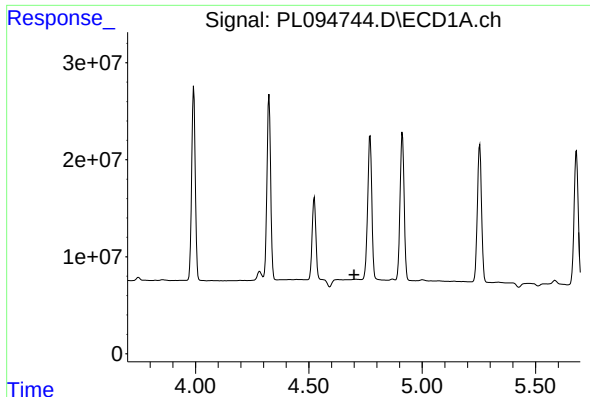
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 105925270
Conc: 51.26 ng/ml



#22 Mirex

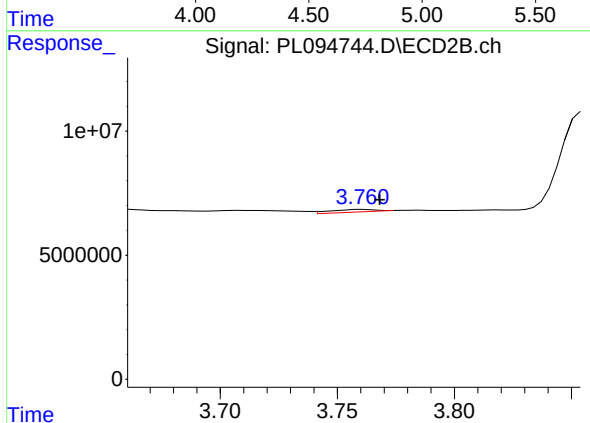
R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 200947250
Conc: 52.95 ng/ml



#23 Chlordane-1

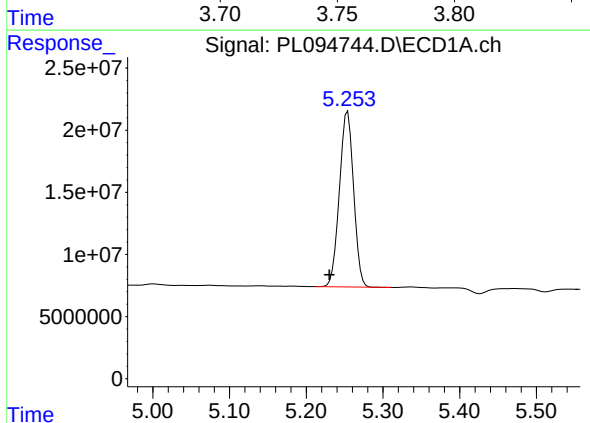
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



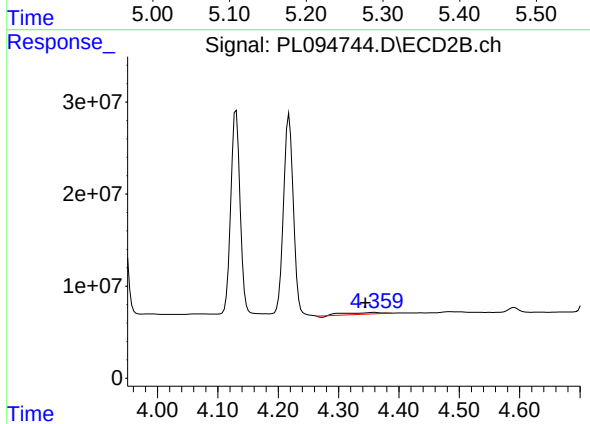
#23 Chlordane-1

R.T.: 3.761 min
Delta R.T.: -0.007 min
Response: 1363527
Conc: 9.03 ng/ml



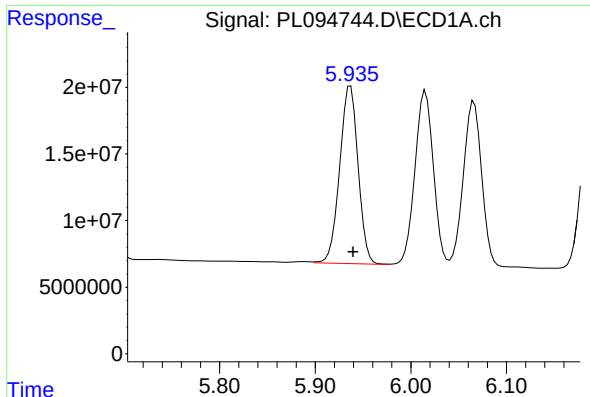
#24 Chlordane-2

R.T.: 5.254 min
Delta R.T.: 0.024 min
Response: 181792213
Conc: 1201.49 ng/ml



#24 Chlordane-2

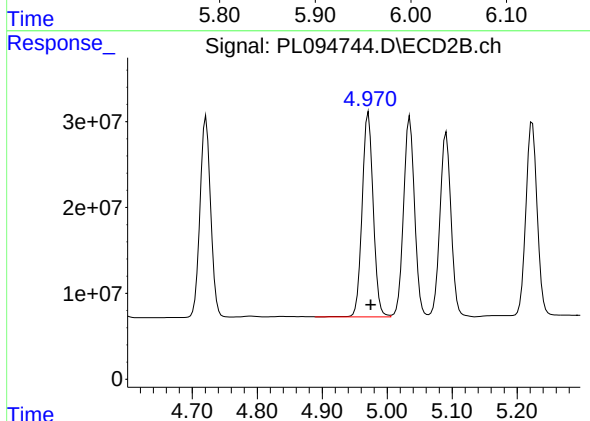
R.T.: 4.360 min
Delta R.T.: 0.016 min
Response: 6952540
Conc: 39.37 ng/ml



#25 Chlordane-3

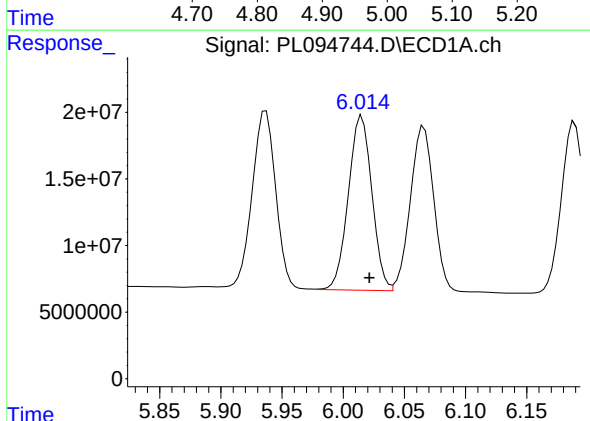
R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 178724561
Conc: 357.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



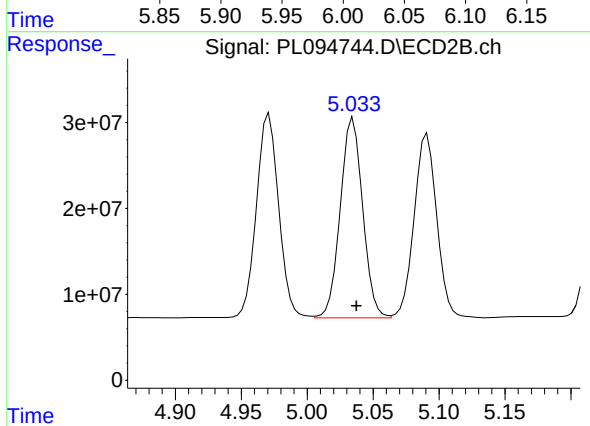
#25 Chlordane-3

R.T.: 4.971 min
Delta R.T.: -0.004 min
Response: 280148710
Conc: 526.60 ng/ml



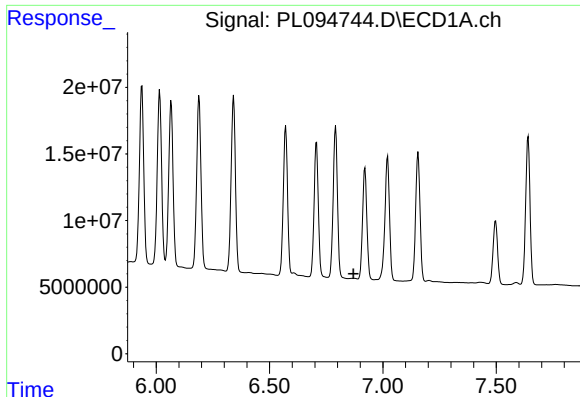
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 175398505
Conc: 297.74 ng/ml



#26 Chlordane-4

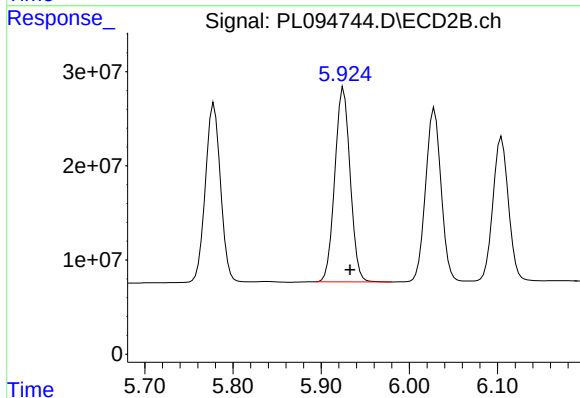
R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 274889852
Conc: 528.07 ng/ml



#27 Chlordane-5

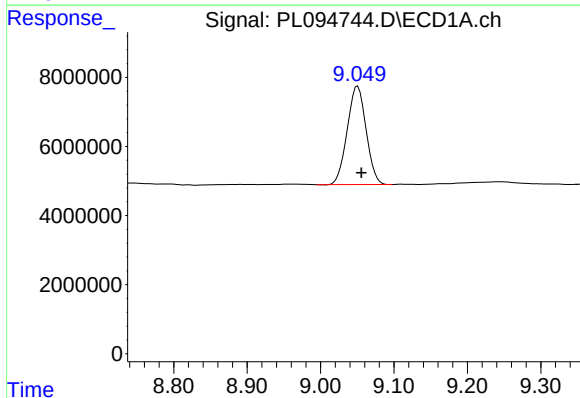
R.T.: 0.000 min
Exp R.T.: 6.871 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MS



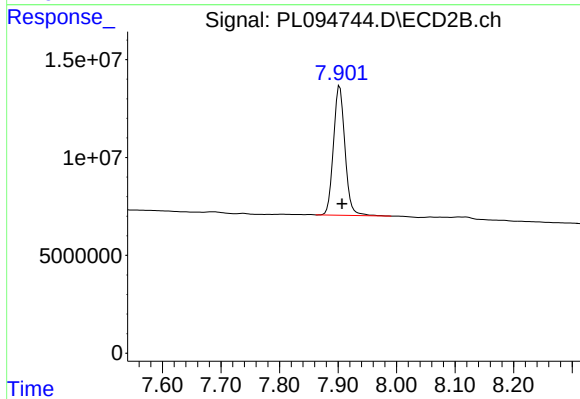
#27 Chlordane-5

R.T.: 5.925 min
Delta R.T.: -0.007 min
Response: 249511765
Conc: 1300.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 51086676
Conc: 24.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 90008863
Conc: 22.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094745.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 17:55
 Operator : AR\AJ
 Sample : Q1569-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-01MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:06:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.540	2.770	56699222	70383123	20.030	19.719
28)	SA Decachlor...	9.055	7.904	48734011	83552862	23.125	20.685
Target Compounds							
2)	A alpha-BHC	3.997	3.272	199.7E6	324.9E6	48.102	60.264 #
3)	MA gamma-BHC...	4.329	3.602	184.0E6	282.7E6	46.108	54.998
4)	MA Heptachlor	4.916	3.939	173.3E6	251.4E6	44.648	47.718
5)	MB Aldrin	5.258	4.218	164.7E6	227.3E6	44.618	46.613
6)	B beta-BHC	4.528	3.902	88969906	120.1E6	48.216	54.049
7)	B delta-BHC	4.774	4.131	179.0E6	218.6E6	45.969	43.699
8)	B Heptachlo...	5.684	4.721	161.3E6	240.9E6	48.231	52.612
9)	A Endosulfan I	6.070	5.091	149.8E6	233.1E6	48.788	53.109
10)	B gamma-Chl...	5.941	4.971	161.9E6	254.0E6	48.047	52.600
11)	B alpha-Chl...	6.019	5.035	159.2E6	250.2E6	48.301	52.422
12)	B 4,4'-DDE	6.193	5.224	155.6E6	252.4E6	52.873	54.306
13)	MA Dieldrin	6.345	5.355	157.5E6	254.1E6	49.239	52.381
14)	MA Endrin	6.574	5.631	127.1E6	228.1E6	45.861	52.273
15)	B Endosulfa...	6.795	5.926	137.7E6	226.1E6	50.717	52.240
16)	A 4,4'-DDD	6.710	5.779	122.3E6	205.7E6	56.483	57.211
17)	MA 4,4'-DDT	7.023	6.029	119.1E6	203.0E6	50.060	50.349
18)	B Endrin al...	6.925	6.106	101.4E6	170.1E6	48.021	50.559
19)	B Endosulfa...	7.160	6.328	118.3E6	210.5E6	48.638	51.684
20)	A Methoxychlor	7.501	6.604	59699091	106.1E6	49.871	50.019
21)	B Endrin ke...	7.645	6.833	138.6E6	245.2E6	52.417	51.368
22)	Mirex	8.116	7.013	98405618	180.7E6	47.624	47.607
24)	Chlordane-2	5.258f	4.358	164.7E6	5810277	1088.795	32.903 #
25)	Chlordane-3	5.941	4.971	161.9E6	254.0E6	323.892	477.399 #
26)	Chlordane-4	6.019	5.035	159.2E6	250.2E6	270.316	480.637 #
27)	Chlordane-5	0.000	5.926	0	226.1E6	N.D.	1178.654 #

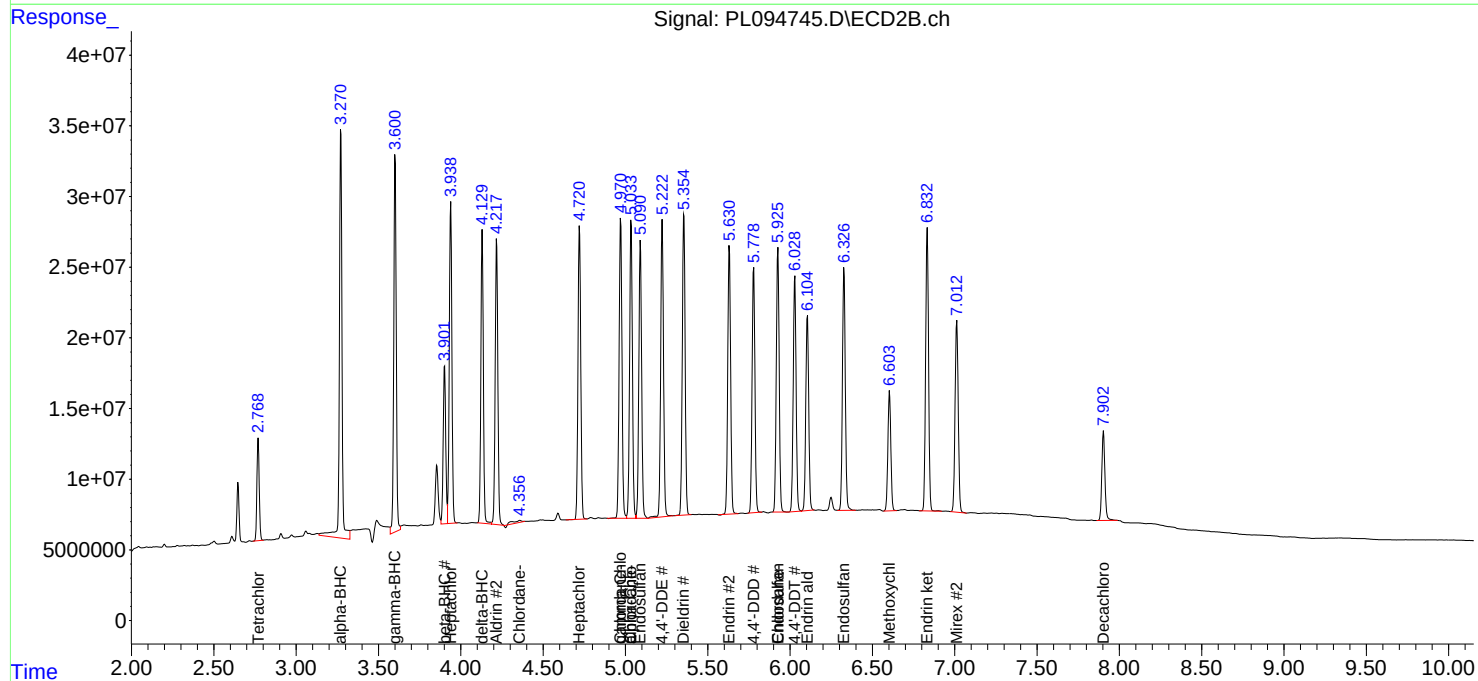
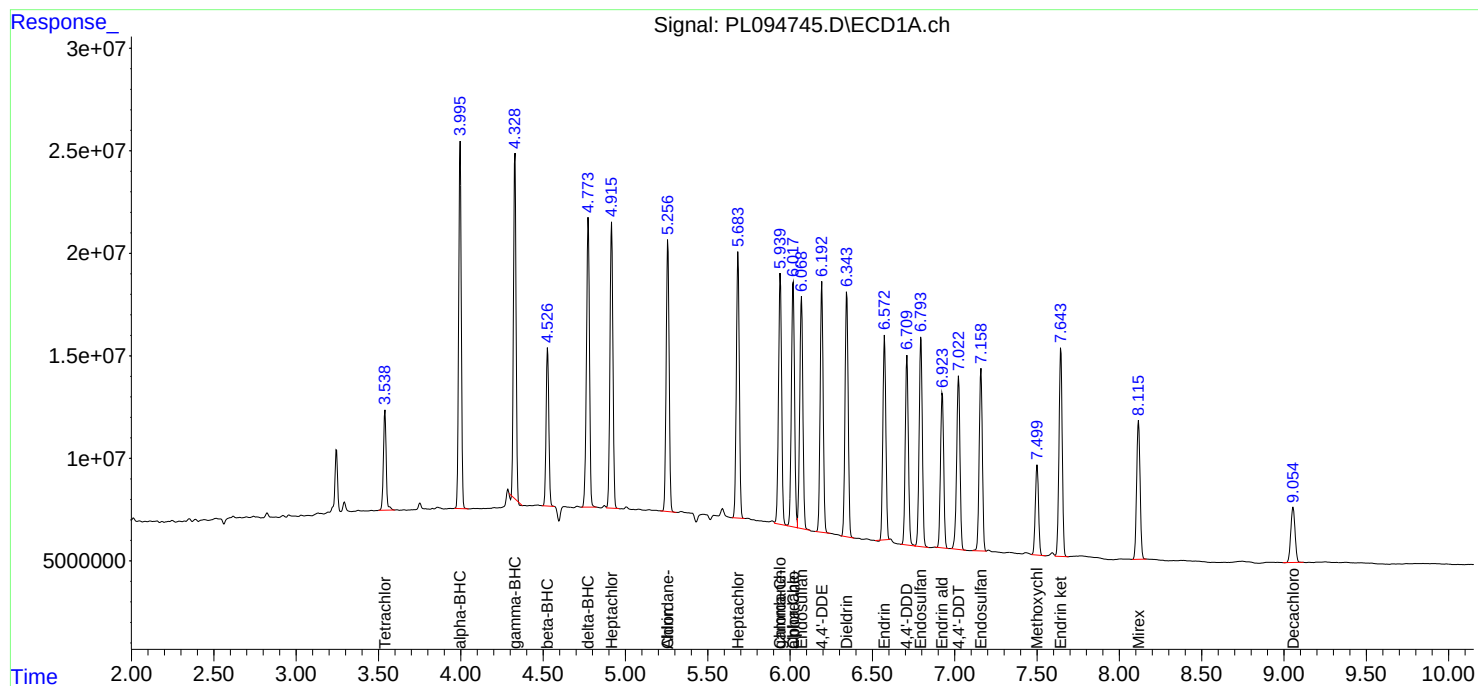
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

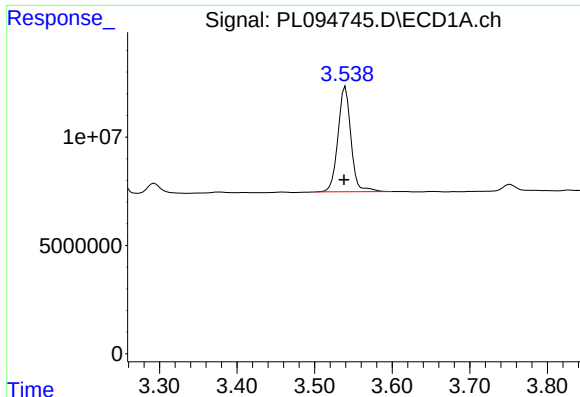
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094745.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 17:55
Operator : AR\AJ
Sample : Q1569-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

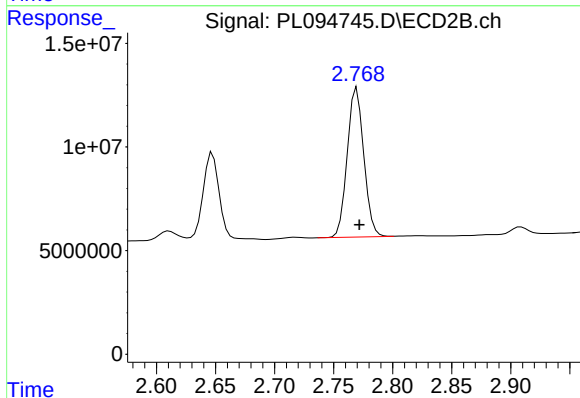




#1 Tetrachloro-m-xylene

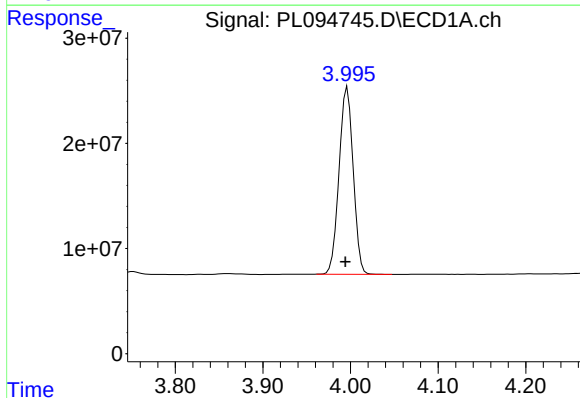
R.T.: 3.540 min
Delta R.T.: 0.002 min
Response: 56699222
Conc: 20.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



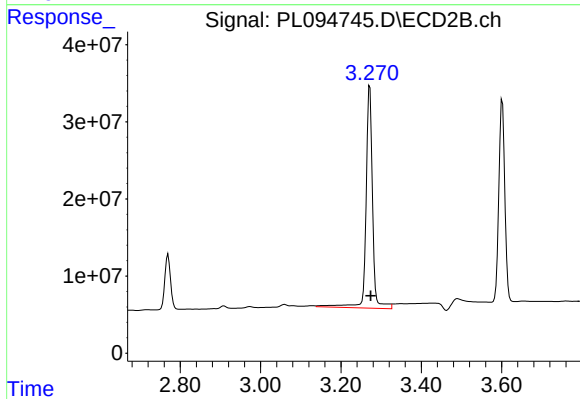
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 70383123
Conc: 19.72 ng/ml



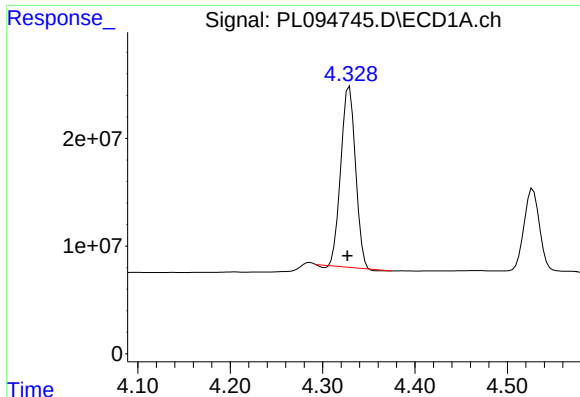
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 199734936
Conc: 48.10 ng/ml



#2 alpha-BHC

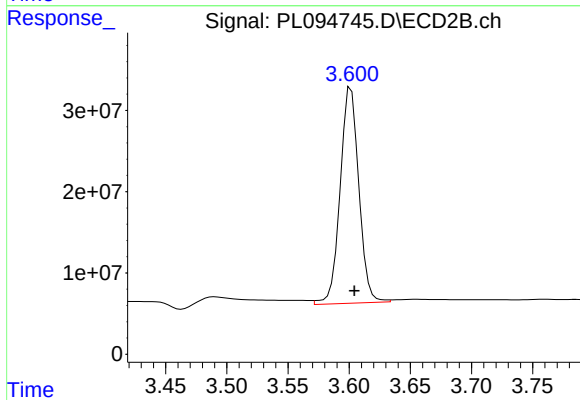
R.T.: 3.272 min
Delta R.T.: -0.003 min
Response: 324903336
Conc: 60.26 ng/ml



#3 gamma-BHC (Lindane)

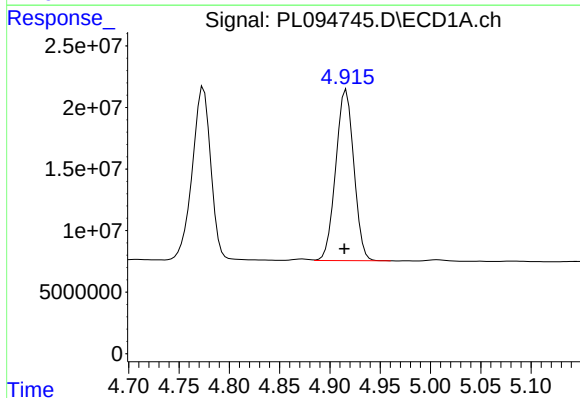
R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 183984760
Conc: 46.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



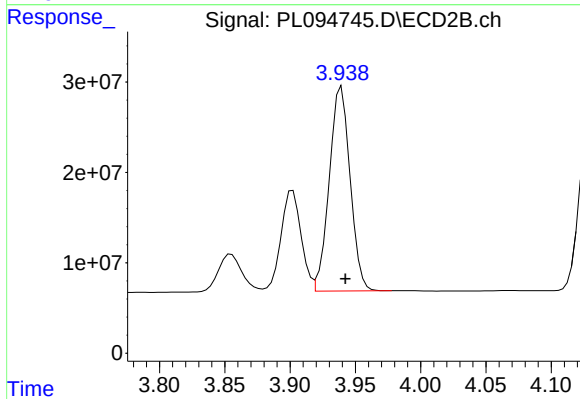
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.003 min
Response: 282660481
Conc: 55.00 ng/ml



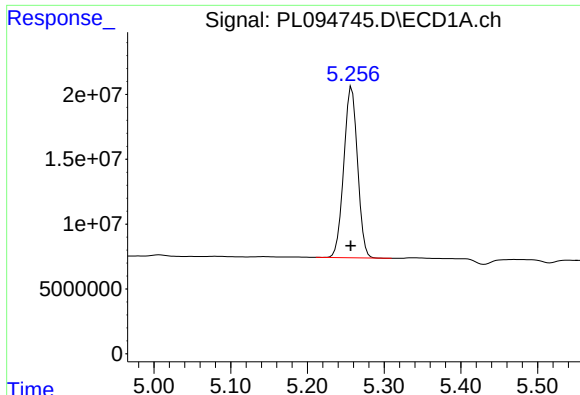
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 173306060
Conc: 44.65 ng/ml



#4 Heptachlor

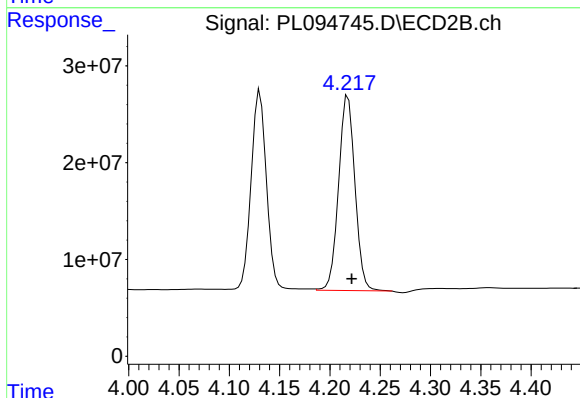
R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 251407772
Conc: 47.72 ng/ml



#5 Aldrin

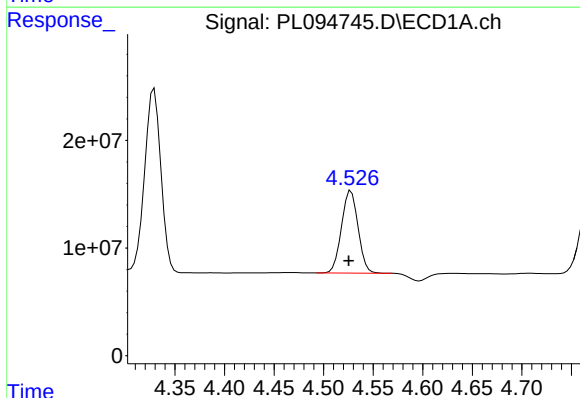
R.T.: 5.258 min
Delta R.T.: 0.001 min
Response: 164740392
Conc: 44.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



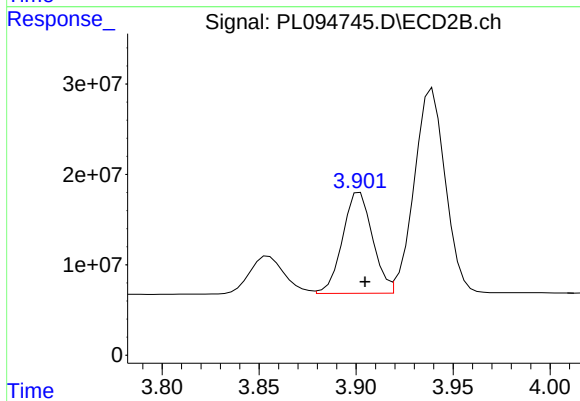
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 227299037
Conc: 46.61 ng/ml



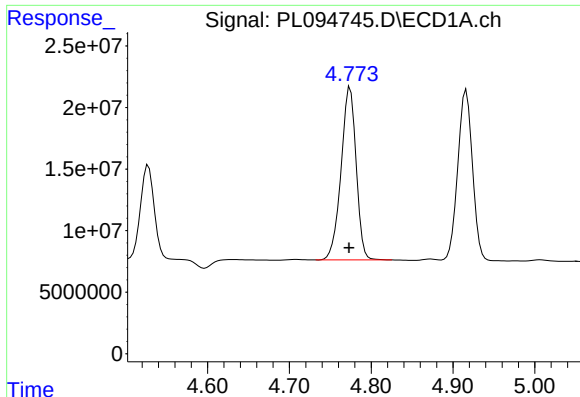
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.002 min
Response: 88969906
Conc: 48.22 ng/ml



#6 beta-BHC

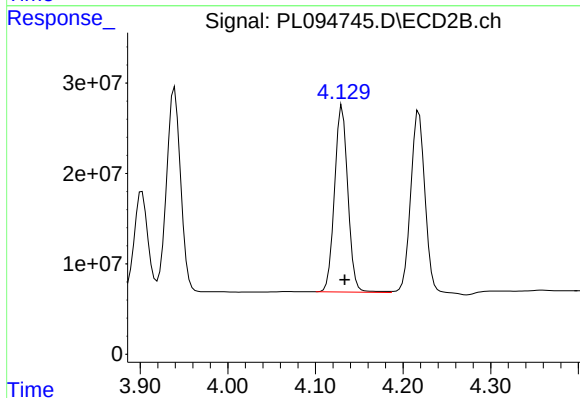
R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 120059120
Conc: 54.05 ng/ml



#7 delta-BHC

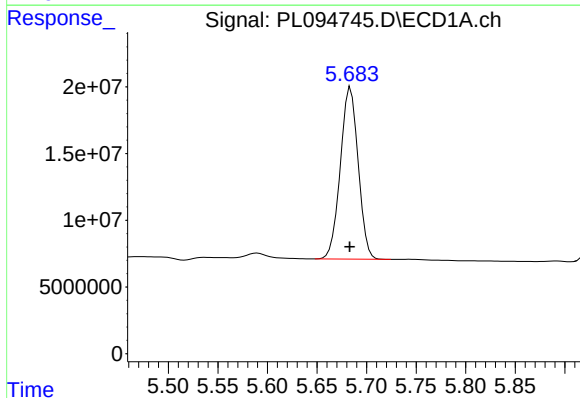
R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 179016537
Conc: 45.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



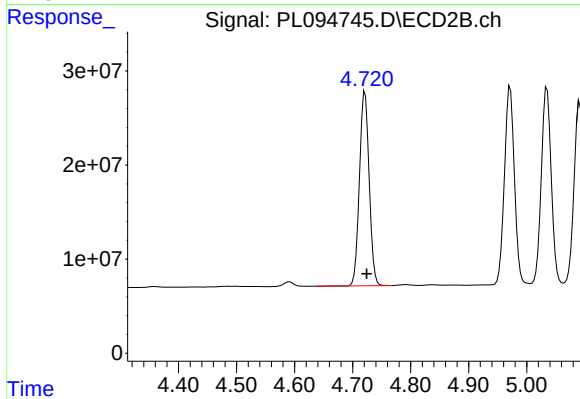
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 218580866
Conc: 43.70 ng/ml



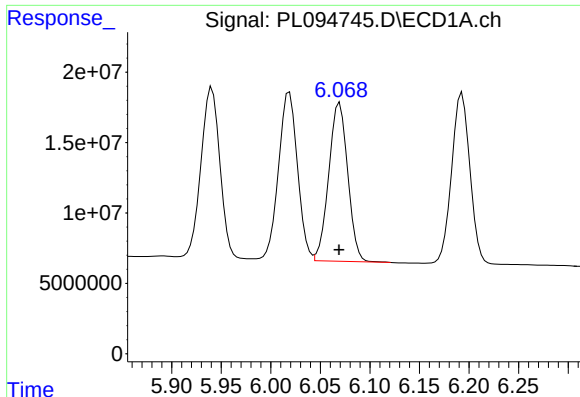
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 161342869
Conc: 48.23 ng/ml



#8 Heptachlor epoxide

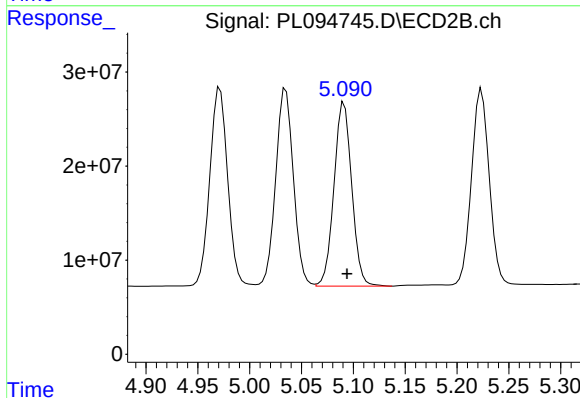
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 240888850
Conc: 52.61 ng/ml



#9 Endosulfan I

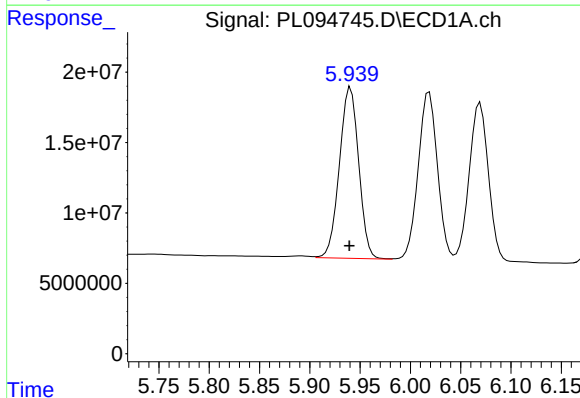
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 149788358
Conc: 48.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



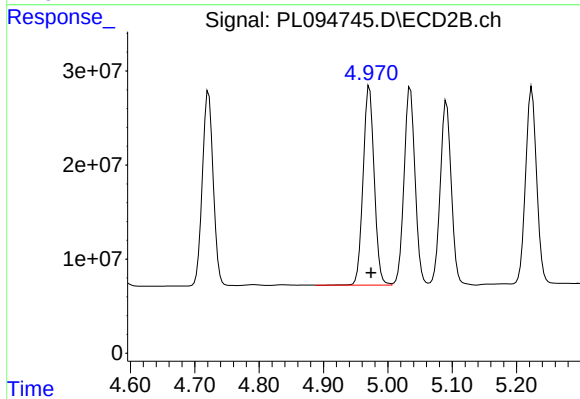
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 233079819
Conc: 53.11 ng/ml



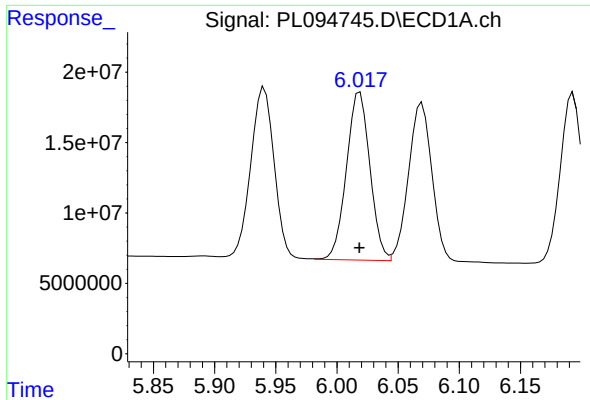
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.001 min
Response: 161888082
Conc: 48.05 ng/ml



#10 gamma-Chlordane

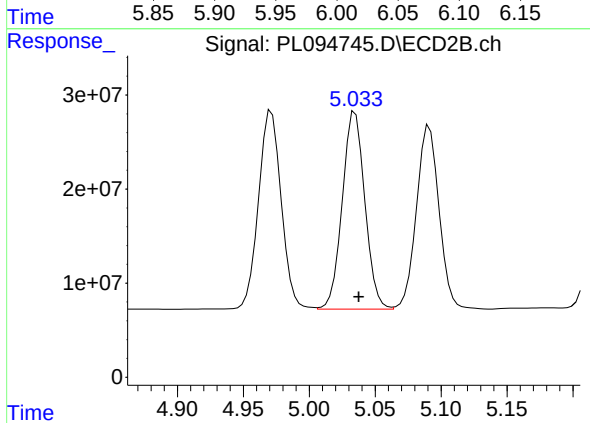
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 253975207
Conc: 52.60 ng/ml



#11 alpha-Chlordane

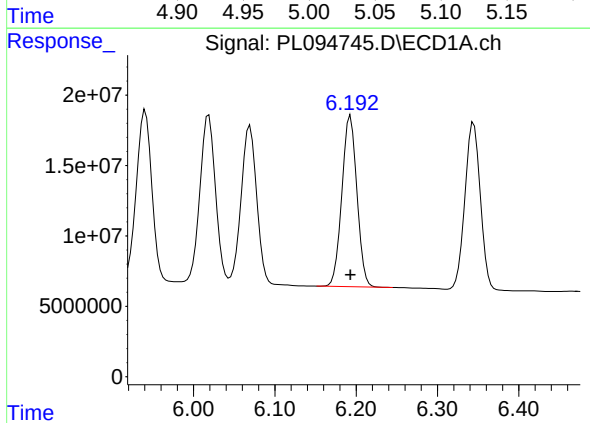
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 159241455
Conc: 48.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



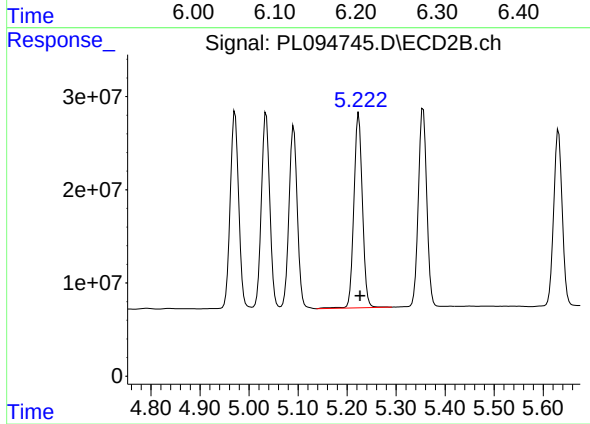
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 250200428
Conc: 52.42 ng/ml



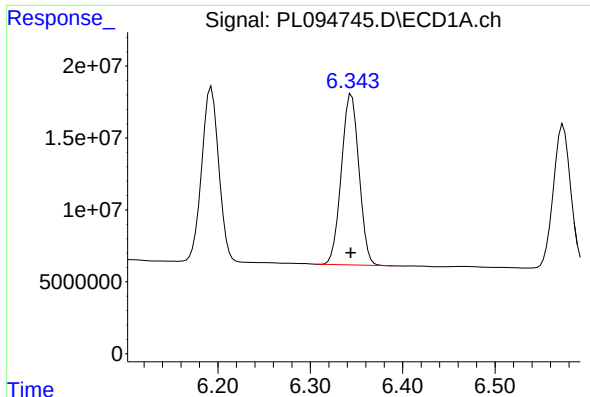
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 155554096
Conc: 52.87 ng/ml



#12 4,4'-DDE

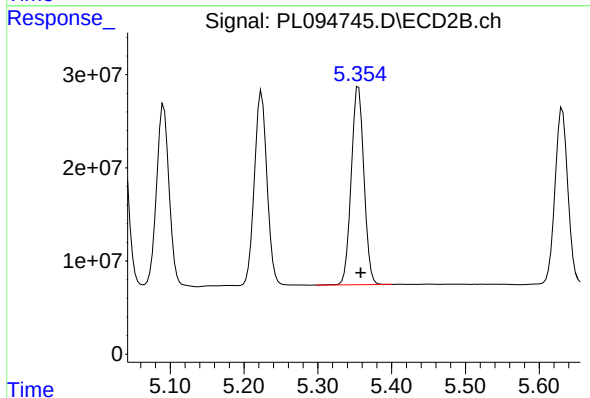
R.T.: 5.224 min
Delta R.T.: -0.003 min
Response: 252444571
Conc: 54.31 ng/ml



#13 Dieldrin

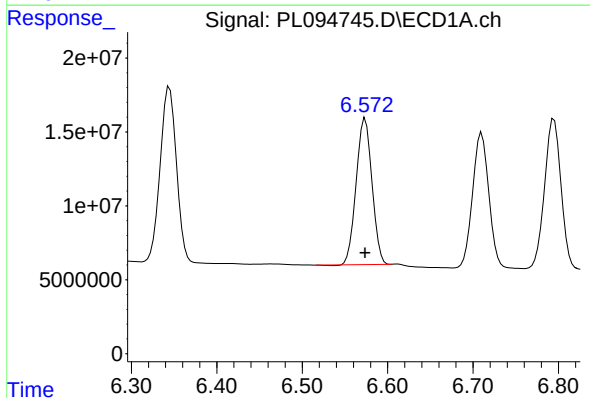
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 157471842
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



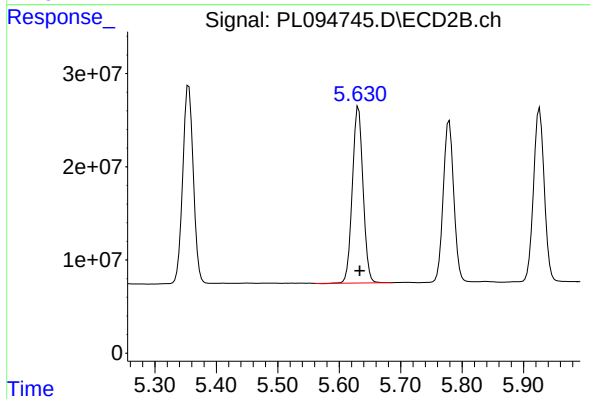
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 254143803
Conc: 52.38 ng/ml



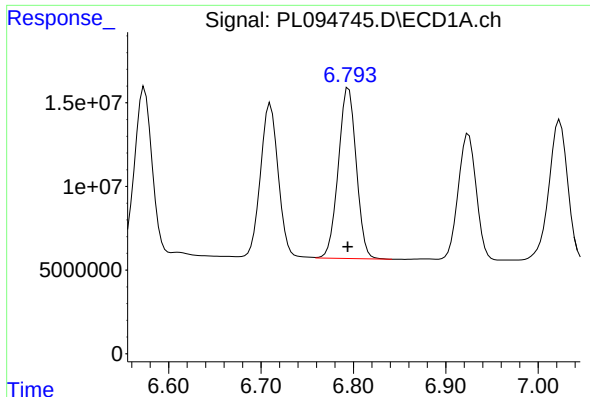
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 127131162
Conc: 45.86 ng/ml



#14 Endrin

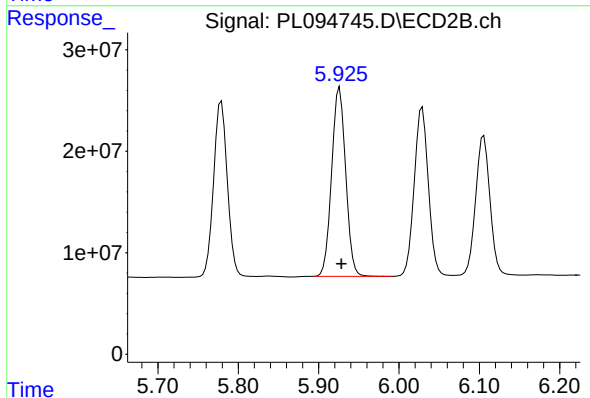
R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 228100260
Conc: 52.27 ng/ml



#15 Endosulfan II

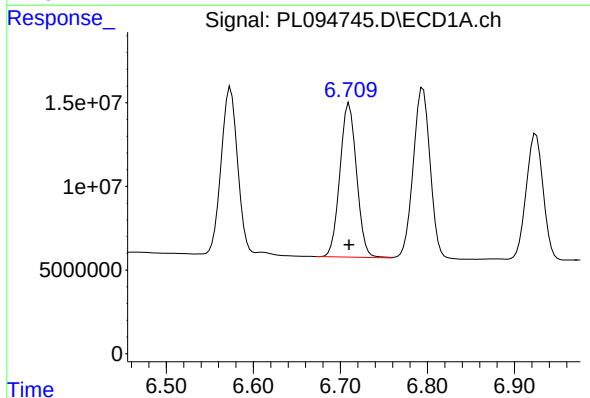
R.T.: 6.795 min
Delta R.T.: 0.001 min
Response: 137684728
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



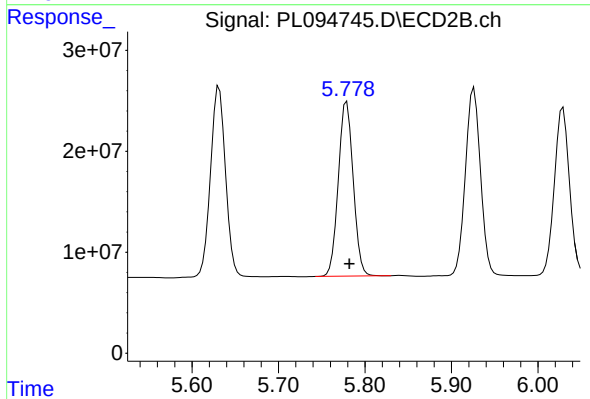
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 226108290
Conc: 52.24 ng/ml



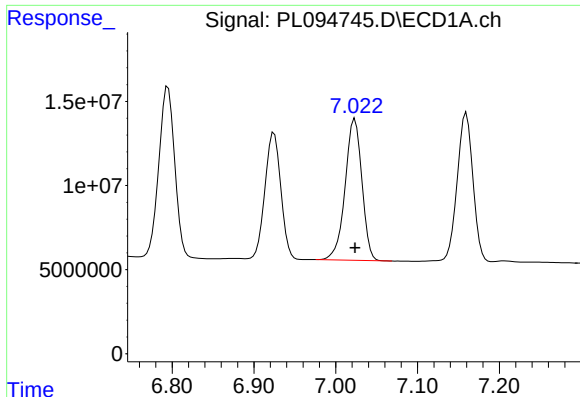
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 122345402
Conc: 56.48 ng/ml



#16 4,4'-DDD

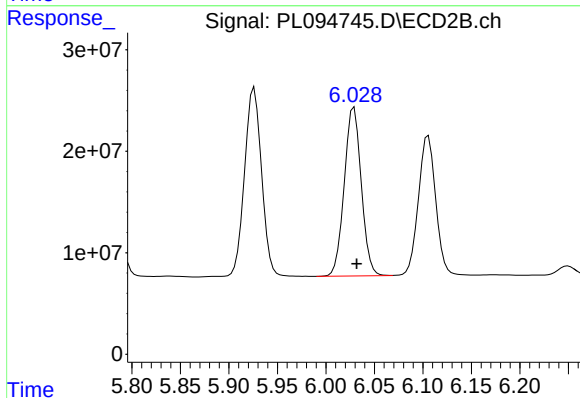
R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 205726025
Conc: 57.21 ng/ml



#17 4,4'-DDT

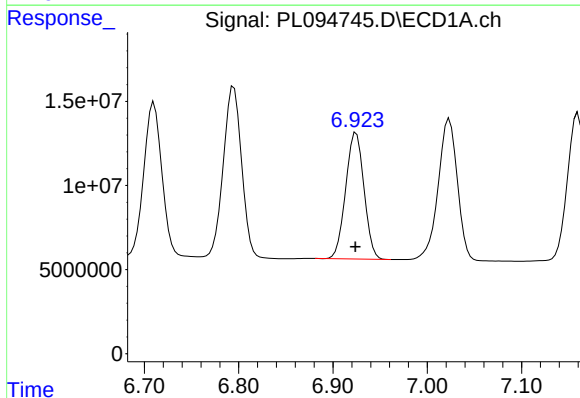
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 119070082
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



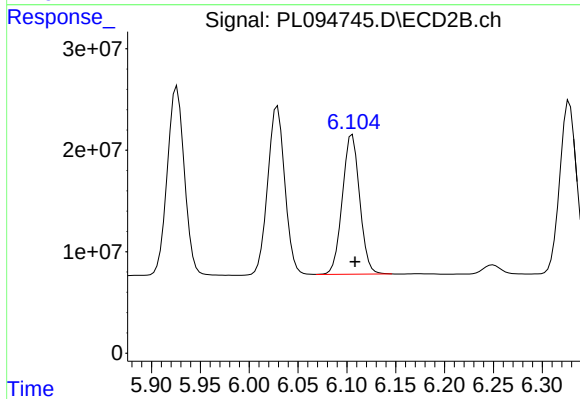
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 203011064
Conc: 50.35 ng/ml



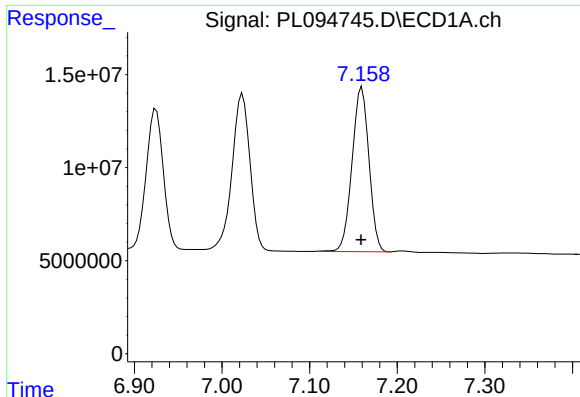
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 101371636
Conc: 48.02 ng/ml



#18 Endrin aldehyde

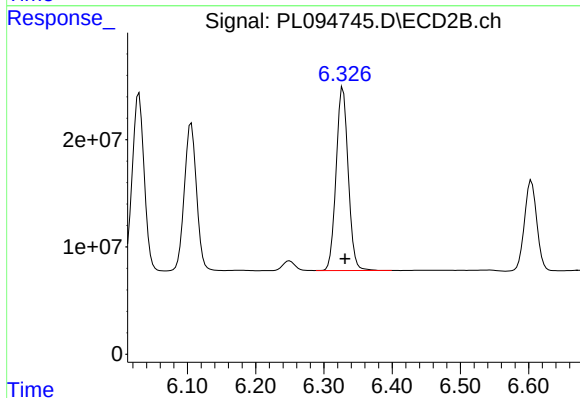
R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 170148523
Conc: 50.56 ng/ml



#19 Endosulfan Sulfate

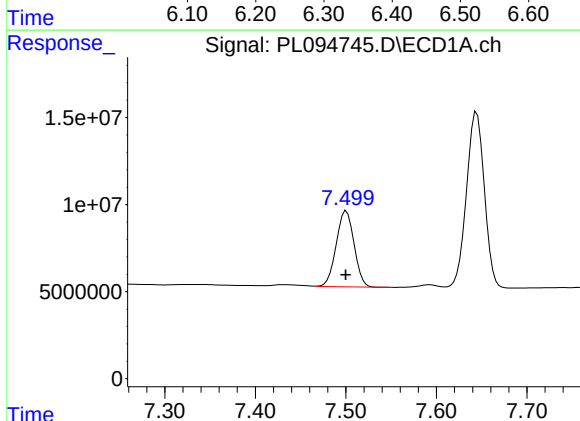
R.T.: 7.160 min
Delta R.T.: 0.001 min
Response: 118287536
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



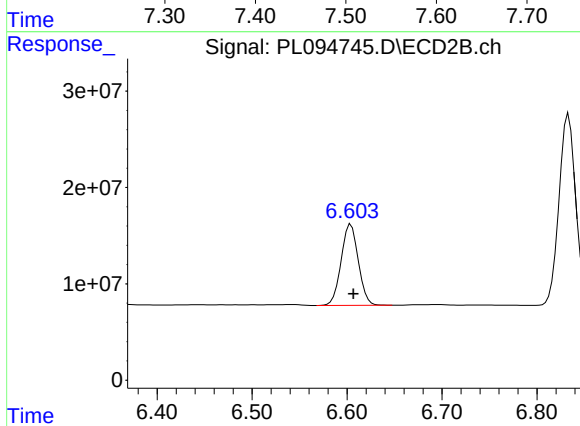
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 210529496
Conc: 51.68 ng/ml



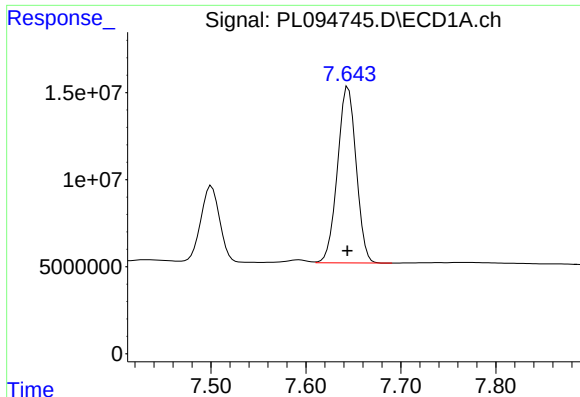
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 59699091
Conc: 49.87 ng/ml



#20 Methoxychlor

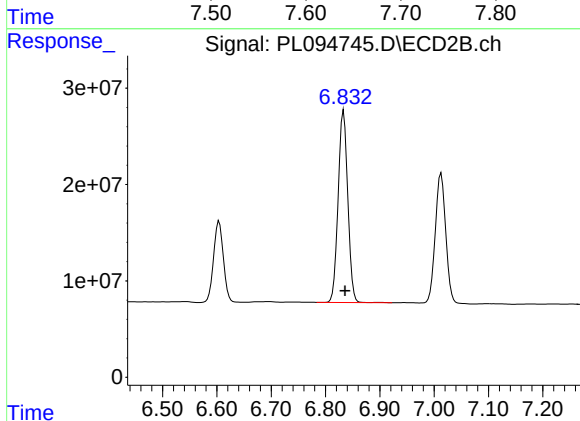
R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 106092993
Conc: 50.02 ng/ml



#21 Endrin ketone

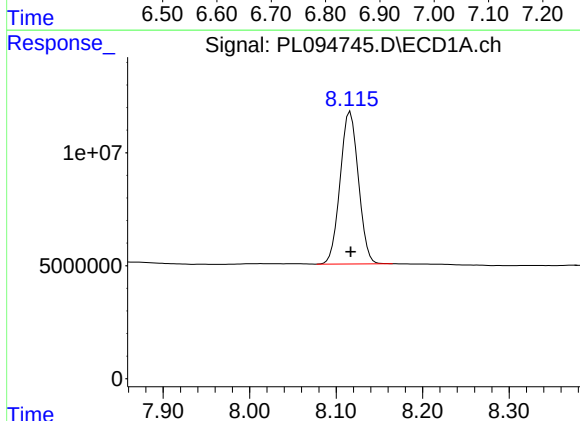
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 138552669
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



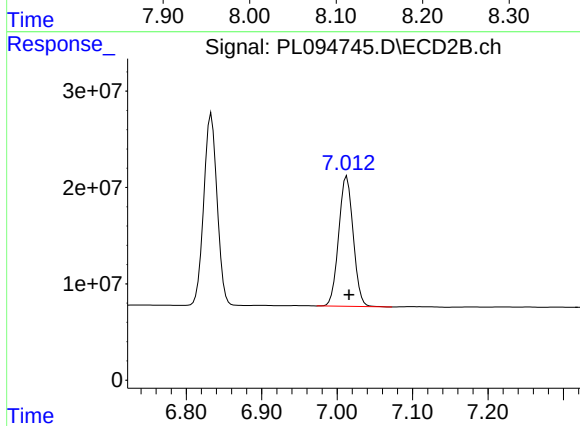
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 245157073
Conc: 51.37 ng/ml



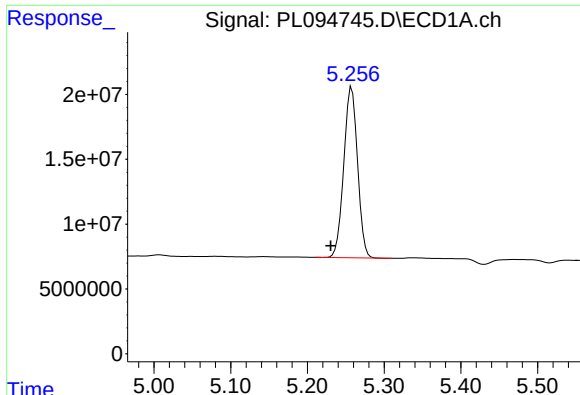
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 98405618
Conc: 47.62 ng/ml



#22 Mirex

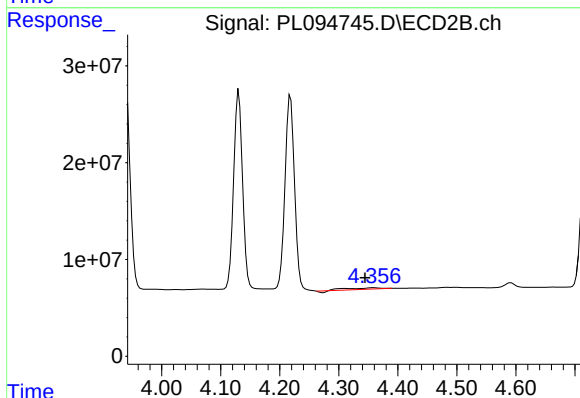
R.T.: 7.013 min
Delta R.T.: -0.003 min
Response: 180682107
Conc: 47.61 ng/ml



#24 Chlordane-2

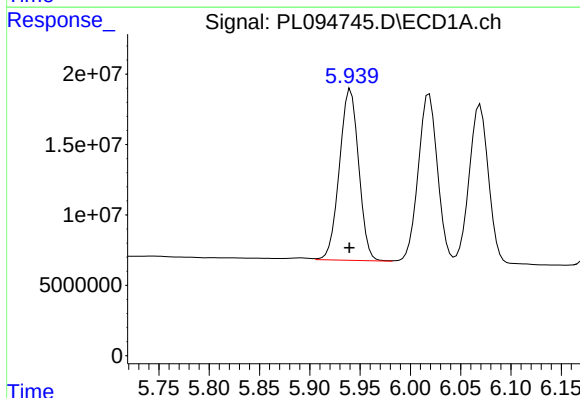
R.T.: 5.258 min
Delta R.T.: 0.027 min
Response: 164740392
Conc: 1088.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



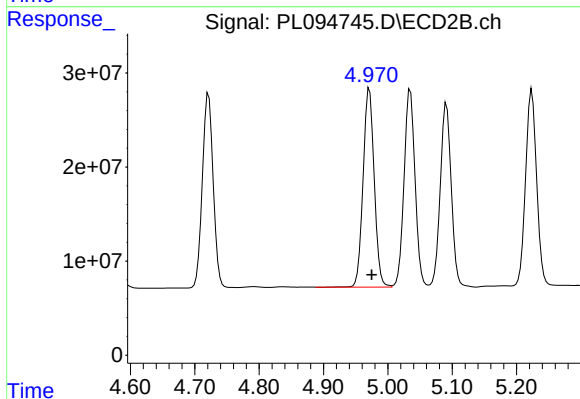
#24 Chlordane-2

R.T.: 4.358 min
Delta R.T.: 0.014 min
Response: 5810277
Conc: 32.90 ng/ml



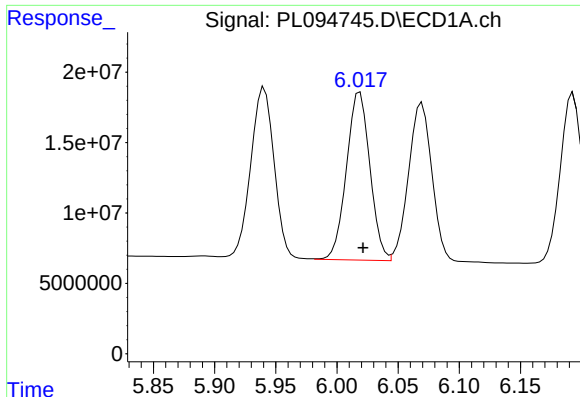
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 161888082
Conc: 323.89 ng/ml



#25 Chlordane-3

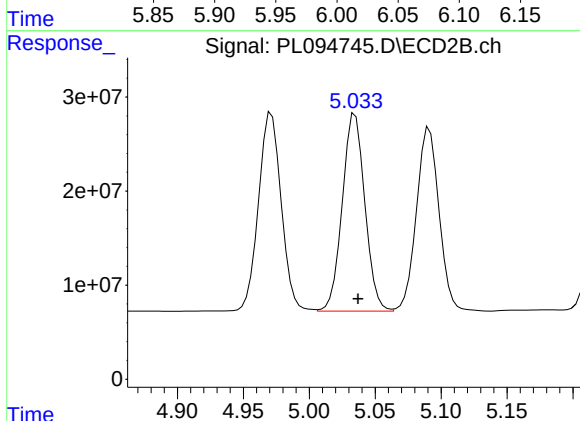
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 253975207
Conc: 477.40 ng/ml



#26 Chlordane-4

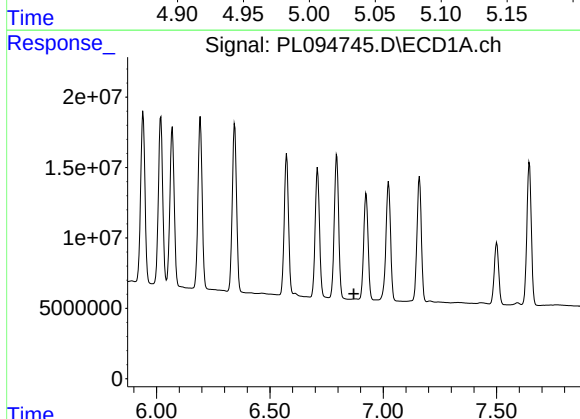
R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 159241455
Conc: 270.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-01MSD



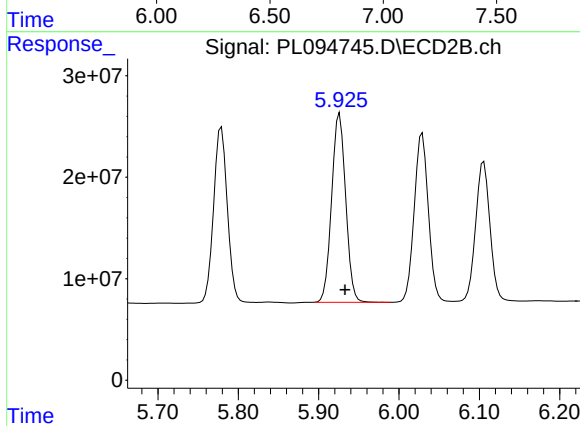
#26 Chlordane-4

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 250200428
Conc: 480.64 ng/ml



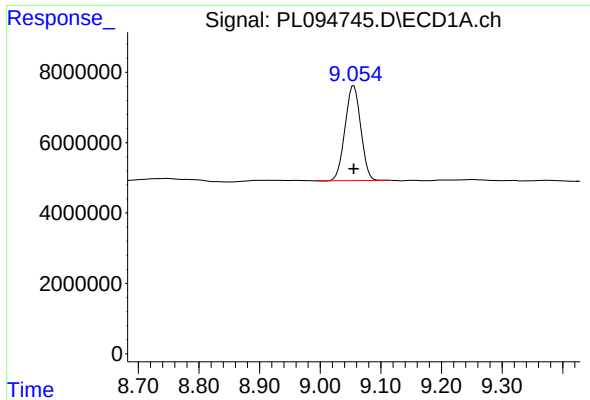
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

R.T.: 5.926 min
Delta R.T.: -0.007 min
Response: 226108290
Conc: 1178.65 ng/ml



#28 Decachlorobiphenyl

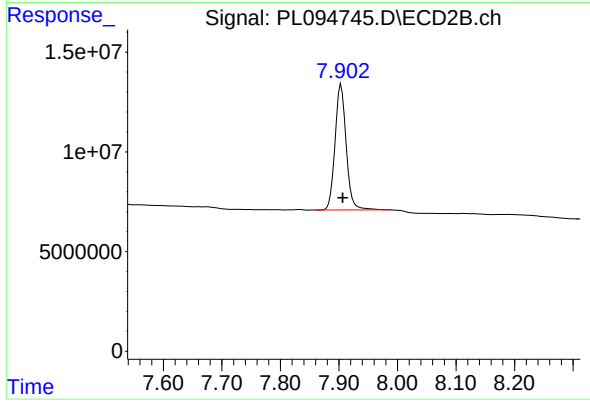
R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 48734011
Conc: 23.12 ng/ml

Instrument :

ECD_L

ClientSampleId :

TAP-IDW-SOIL-031325-01MSD



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 83552862
Conc: 20.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094746.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 18:08
 Operator : AR\AJ
 Sample : Q1569-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAP-IDW-SOIL-031325-02

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 02:07:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	58682326	78120657	20.731	21.887
28)	SA Decachlor...	9.051	7.903	55224840	92240680	26.205	22.835
Target Compounds							
2)	A alpha-BHC	0.000	3.285	0	4190621	N.D.	0.777 #
7)	B delta-BHC	4.761	0.000	35943850	0	9.230	N.D. #
9)	A Endosulfan I	0.000	5.110f	0	12974846	N.D.	2.956 #
10)	B gamma-Chl...	5.919f	0.000	12640897	0	3.752	N.D. #
25)	Chlordane-3	5.919f	0.000	12640897	0	25.291	N.D. #

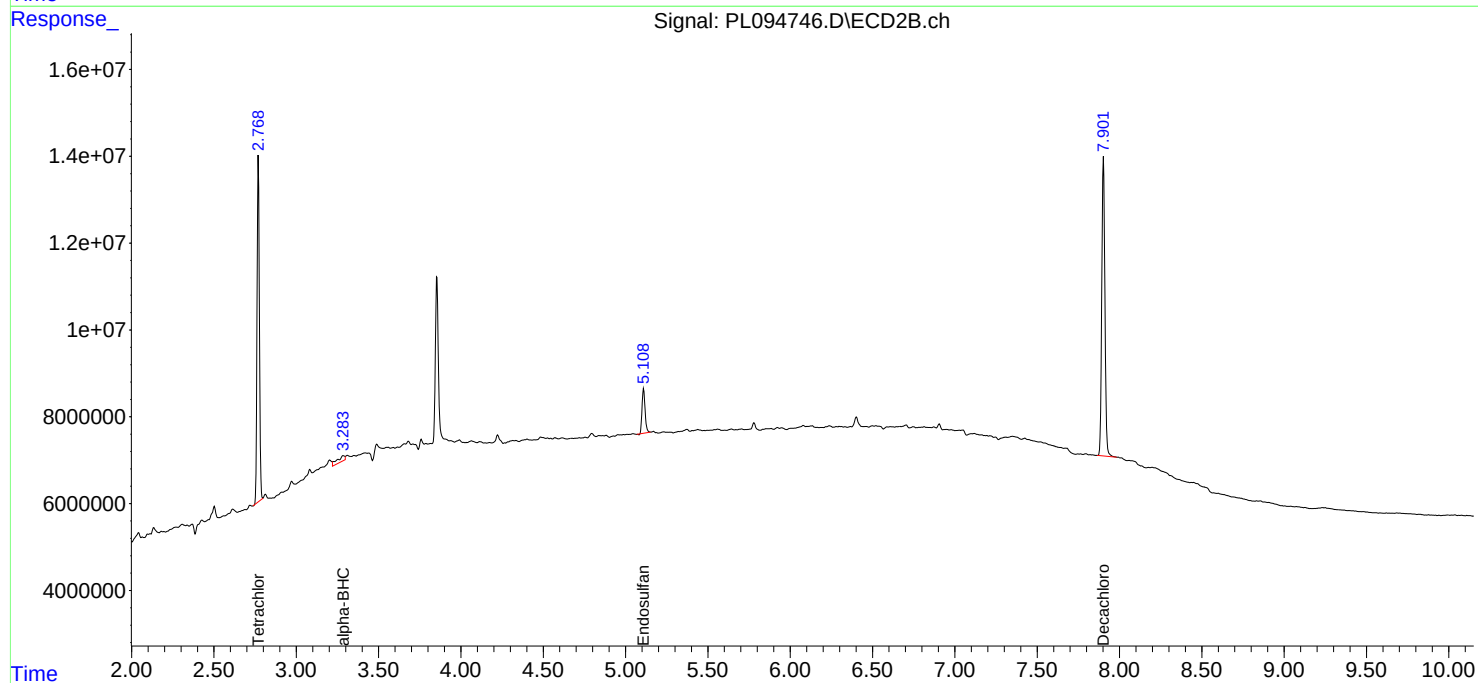
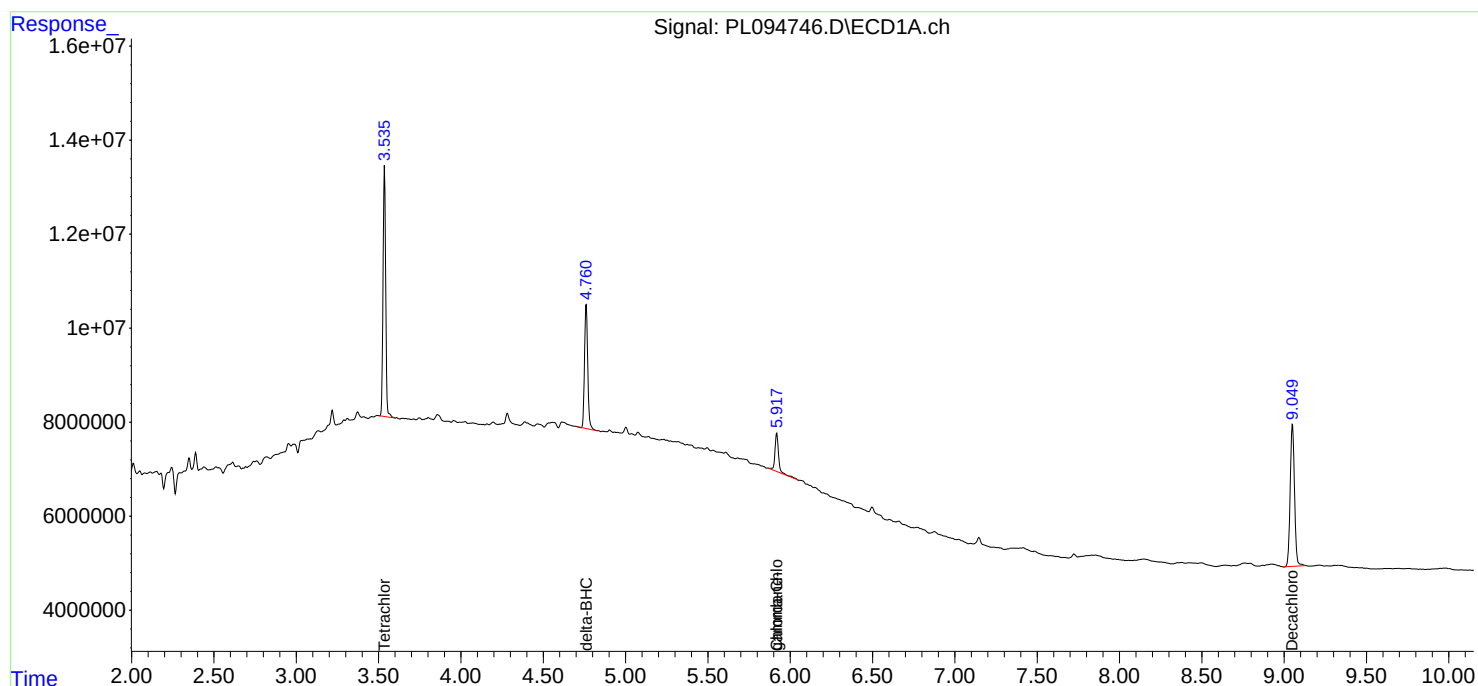
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

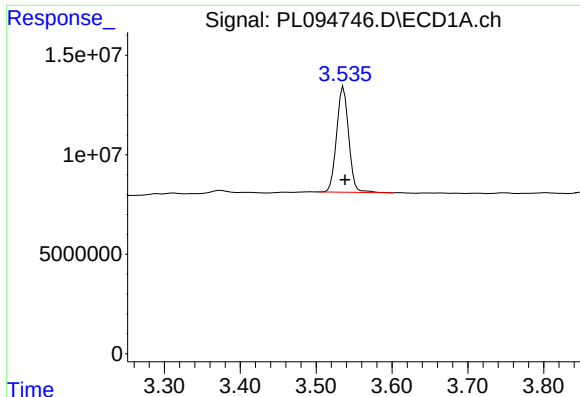
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094746.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 18:08
Operator : AR\AJ
Sample : Q1569-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 02:07:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

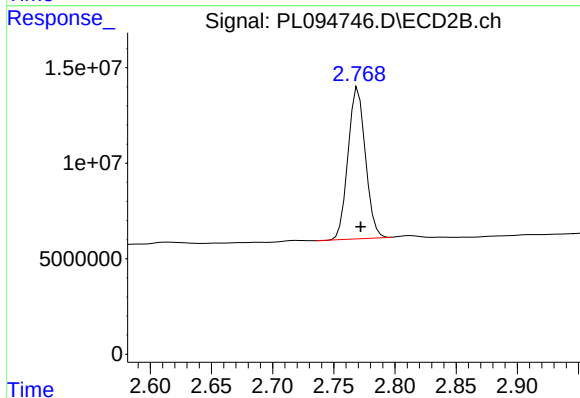




#1 Tetrachloro-m-xylene

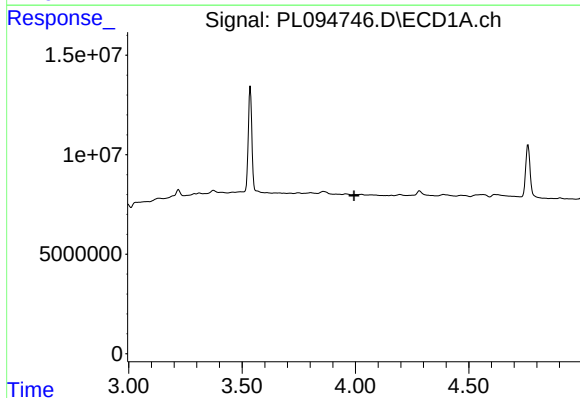
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 58682326
Conc: 20.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02



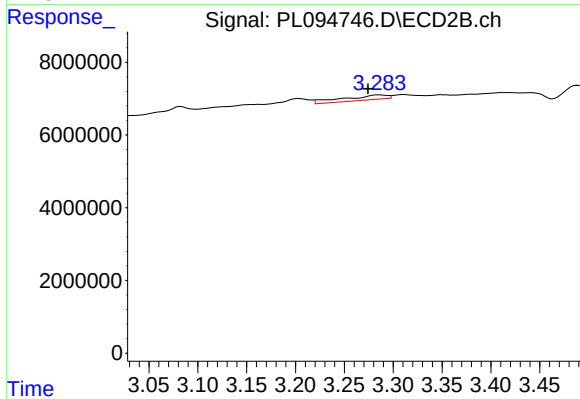
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 78120657
Conc: 21.89 ng/ml



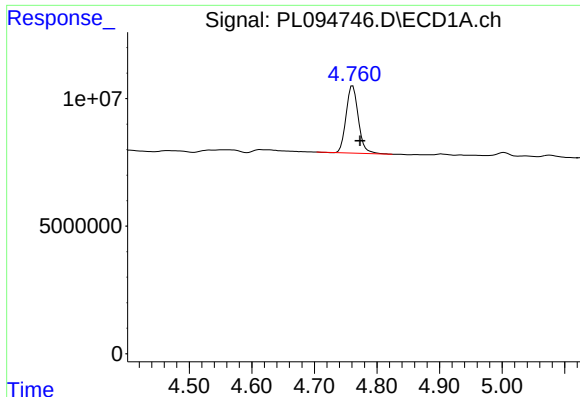
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.994 min
Response: 0
Conc: N.D.



#2 alpha-BHC

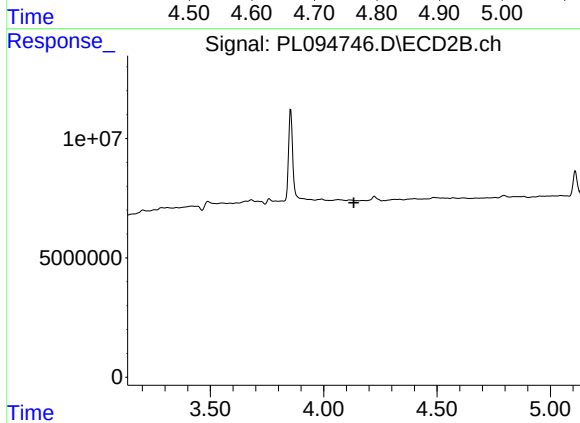
R.T.: 3.285 min
Delta R.T.: 0.011 min
Response: 4190621
Conc: 0.78 ng/ml



#7 delta-BHC

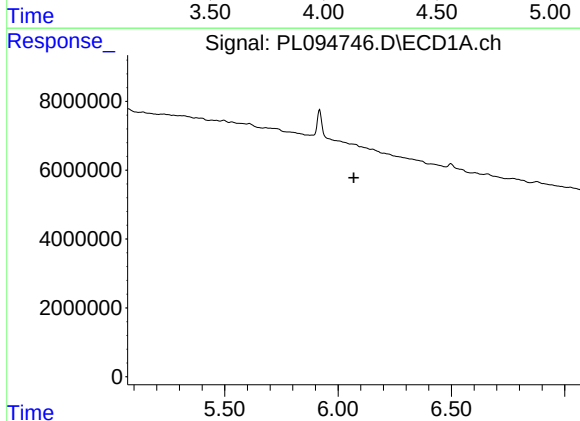
R.T.: 4.761 min
Delta R.T.: -0.012 min
Response: 35943850
Conc: 9.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02



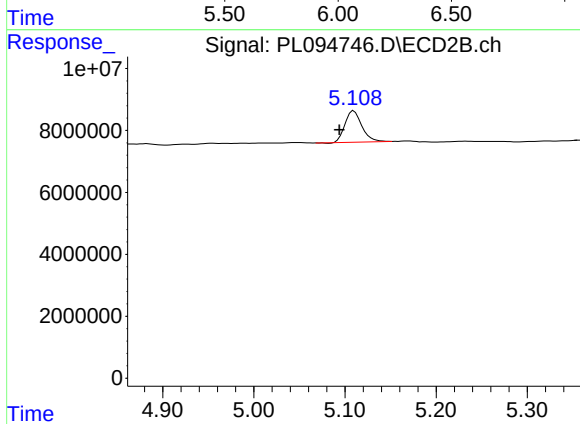
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.133 min
Response: 0
Conc: N.D.



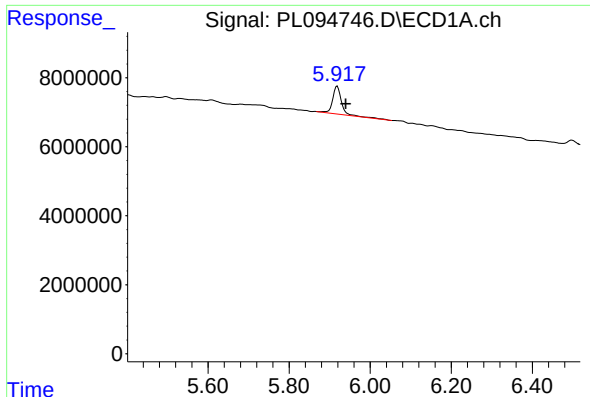
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.069 min
Response: 0
Conc: N.D.



#9 Endosulfan I

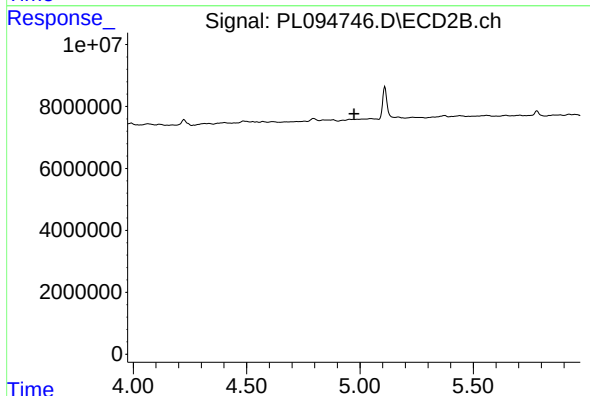
R.T.: 5.110 min
Delta R.T.: 0.016 min
Response: 12974846
Conc: 2.96 ng/ml



#10 gamma-Chlordane

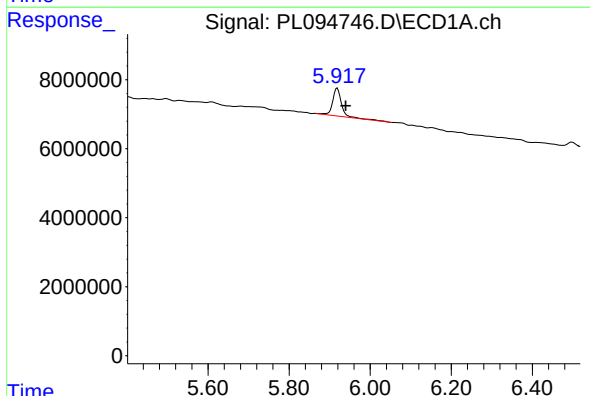
R.T.: 5.919 min
Delta R.T.: -0.021 min
Response: 12640897
Conc: 3.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02



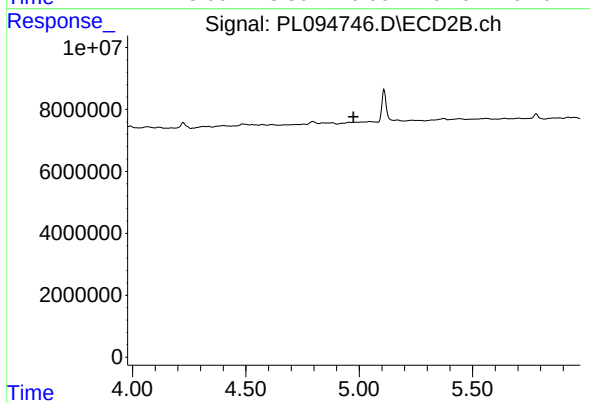
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 4.974 min
Response: 0
Conc: N.D.



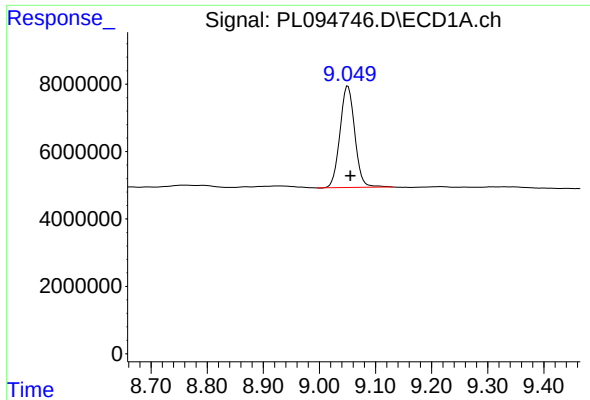
#25 Chlordane-3

R.T.: 5.919 min
Delta R.T.: -0.021 min
Response: 12640897
Conc: 25.29 ng/ml



#25 Chlordane-3

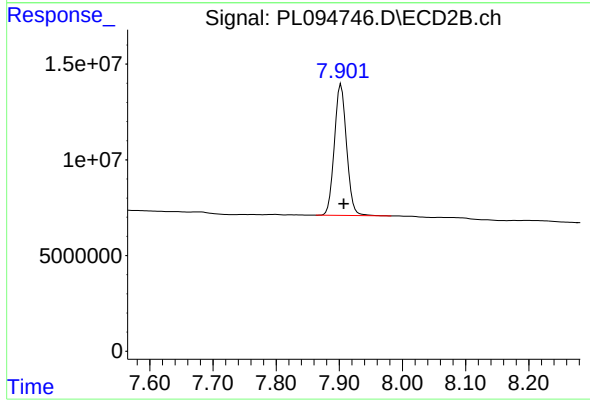
R.T.: 0.000 min
Exp R.T. : 4.975 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 55224840
Conc: 26.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAP-IDW-SOIL-031325-02



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 92240680
Conc: 22.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094752.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 19:31
 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: Mar 20 01:10:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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	2.770	138.4E6	186.4E6	48.908	52.231
28)	SA Decachlor...	9.050	7.903	105.7E6	191.3E6	50.177	47.365
Target Compounds							
2)	A alpha-BHC	3.992	3.272	203.2E6	282.8E6	48.927	52.457
3)	MA gamma-BHC...	4.324	3.602	194.0E6	266.9E6	48.616	51.929
4)	MA Heptachlor	4.912	3.939	173.8E6	249.5E6	44.783	47.356
5)	MB Aldrin	5.253	4.219	175.0E6	249.5E6	47.391	51.159
6)	B beta-BHC	4.523	3.902	89095959	117.0E6	48.285	52.671
7)	B delta-BHC	4.770	4.130	194.9E6	268.3E6	50.058	53.644
8)	B Heptachlo...	5.680	4.721	159.3E6	232.3E6	47.617	50.739
9)	A Endosulfan I	6.066	5.090	146.6E6	232.1E6	47.748	52.888
10)	B gamma-Chl...	5.937	4.971	160.4E6	256.8E6	47.595	53.177
11)	B alpha-Chl...	6.015	5.035	157.9E6	250.0E6	47.884	52.384
12)	B 4,4'-DDE	6.190	5.223	151.5E6	281.1E6	51.499	60.475
13)	MA Dieldrin	6.341	5.355	153.0E6	258.9E6	47.834	53.359
14)	MA Endrin	6.571	5.631	115.2E6	210.8E6	41.558	48.313
15)	B Endosulfa...	6.791	5.926	130.1E6	218.7E6	47.905	50.527
16)	A 4,4'-DDD	6.708	5.778	121.1E6	209.1E6	55.896	58.140
17)	MA 4,4'-DDT	7.020	6.028	105.1E6	179.8E6	44.181	44.588
18)	B Endrin al...	6.921	6.105	98377184	160.4E6	46.602	47.676
19)	B Endosulfa...	7.156	6.328	117.4E6	203.9E6	48.269	50.054
20)	A Methoxychlor	7.497	6.603	52774611	96324887	44.086	45.413
21)	B Endrin ke...	7.641	6.833	133.3E6	247.8E6	50.417	51.920
22)	Mirex	8.113	7.012	96494843	182.2E6	46.700	47.999
24)	Chlordane-2	5.253f	4.358	175.0E6	718200	1156.466	4.067 #
25)	Chlordane-3	5.937	4.971	160.4E6	256.8E6	320.847	482.633 #
26)	Chlordane-4	6.015	5.035	157.9E6	250.0E6	267.980	480.286 #
27)	Chlordane-5	0.000	5.926	0	218.7E6	N.D.	1140.009 #

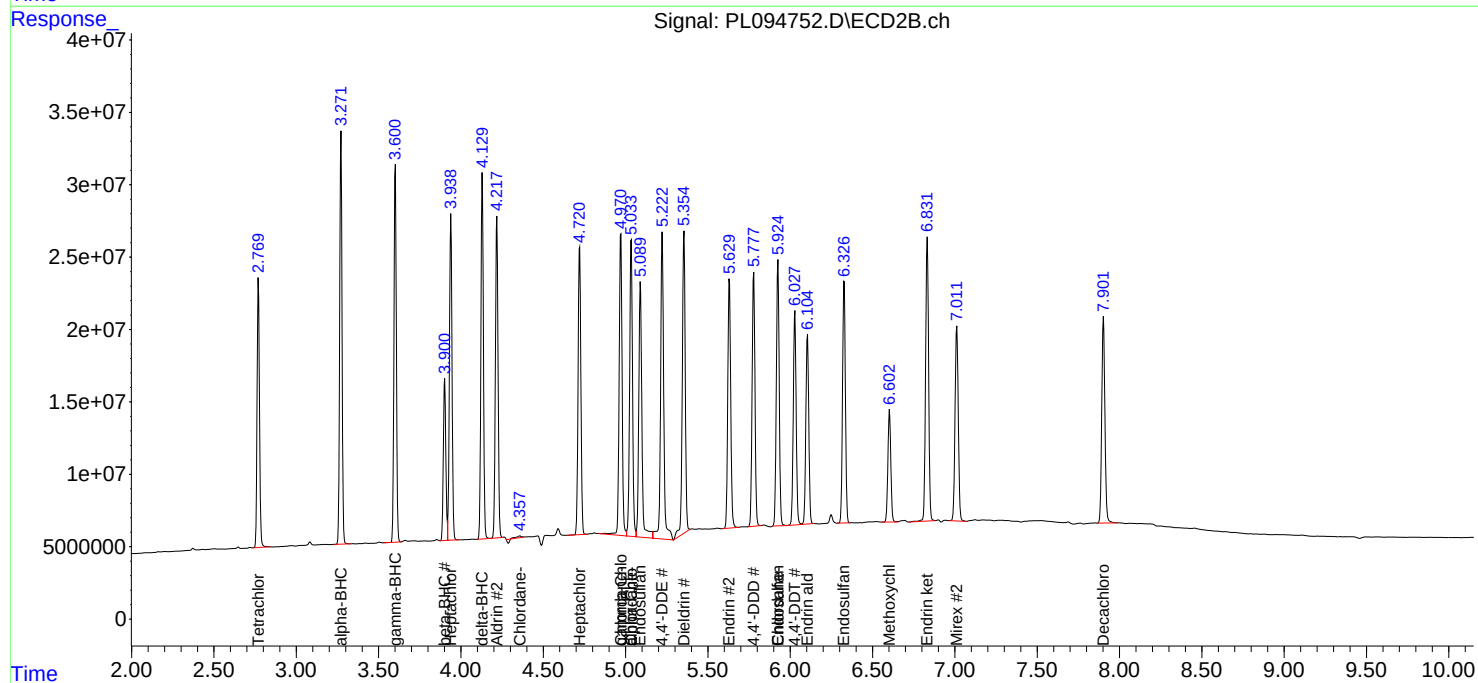
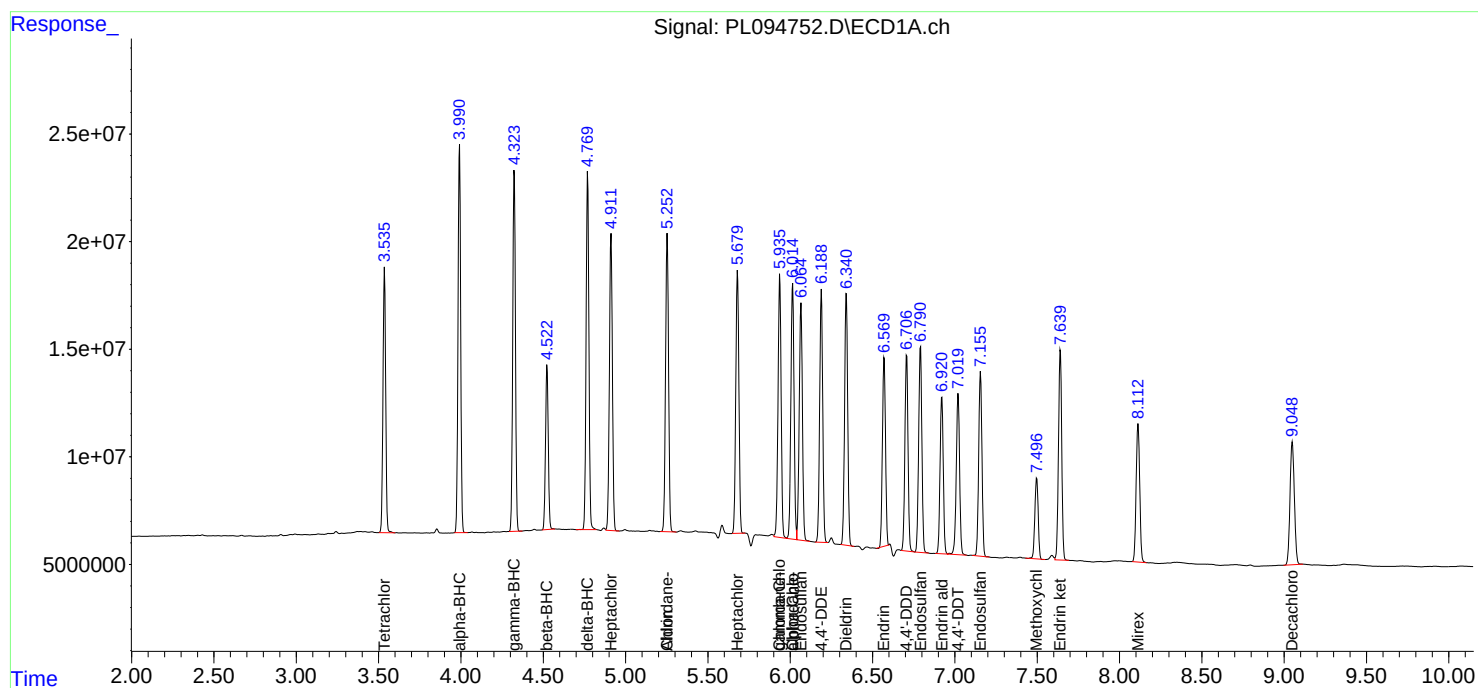
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

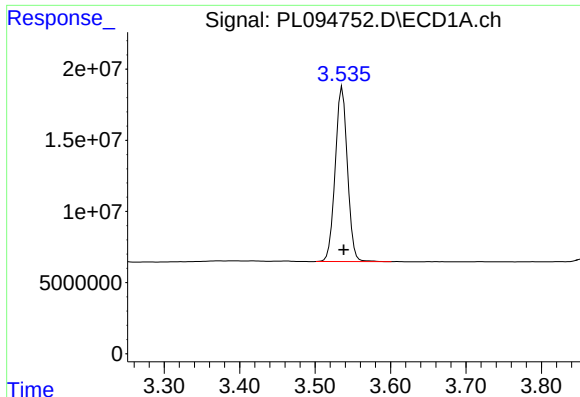
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 19:31
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 01:10:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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

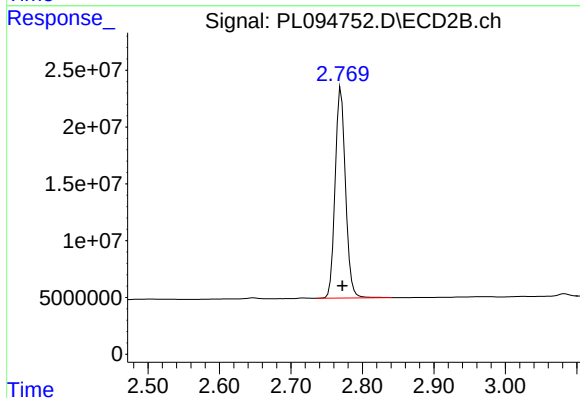




#1 Tetrachloro-m-xylene

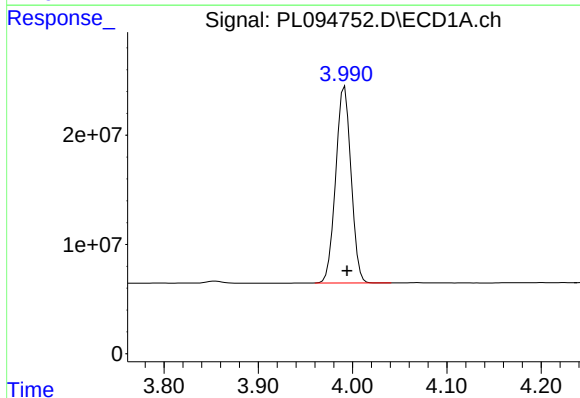
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 138443025
Conc: 48.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



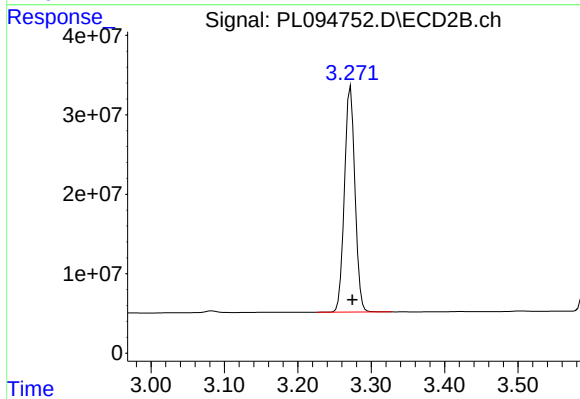
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 186424992
Conc: 52.23 ng/ml



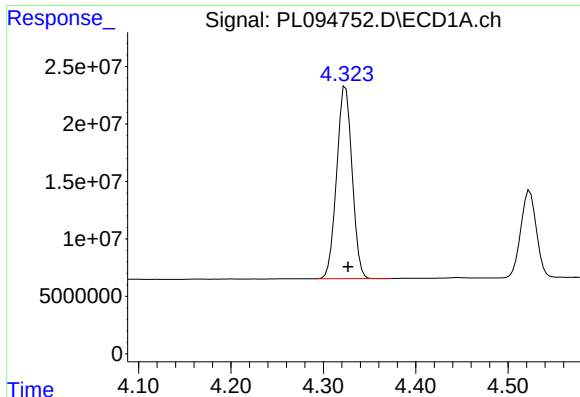
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 203159891
Conc: 48.93 ng/ml



#2 alpha-BHC

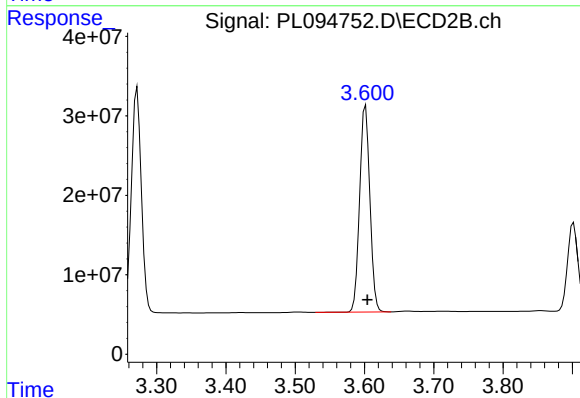
R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 282816474
Conc: 52.46 ng/ml



#3 gamma-BHC (Lindane)

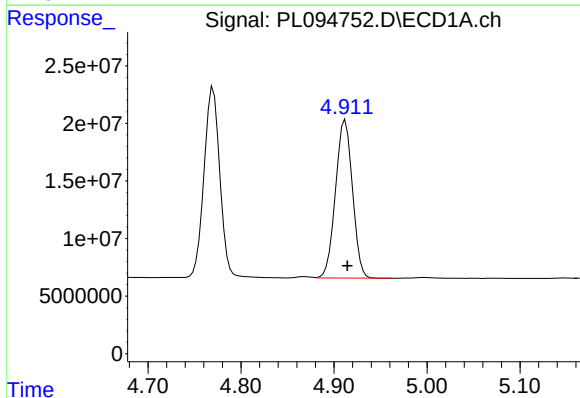
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 193990034
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



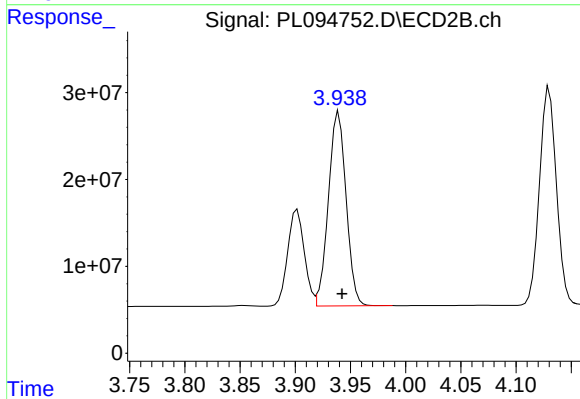
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.003 min
Response: 266889067
Conc: 51.93 ng/ml



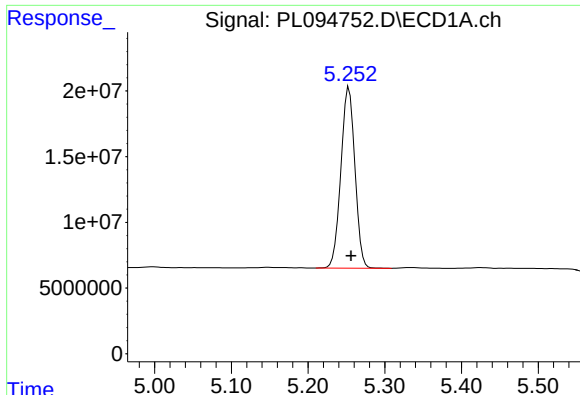
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 173829928
Conc: 44.78 ng/ml



#4 Heptachlor

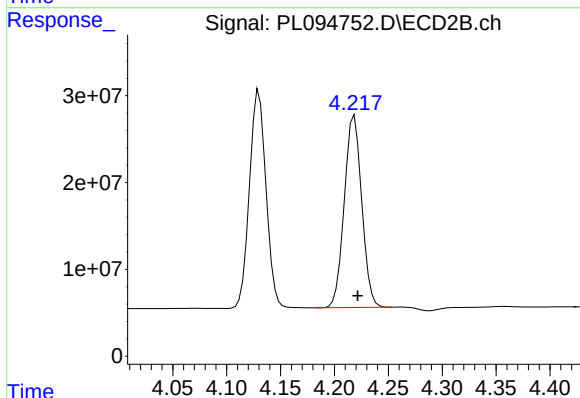
R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 249502473
Conc: 47.36 ng/ml



#5 Aldrin

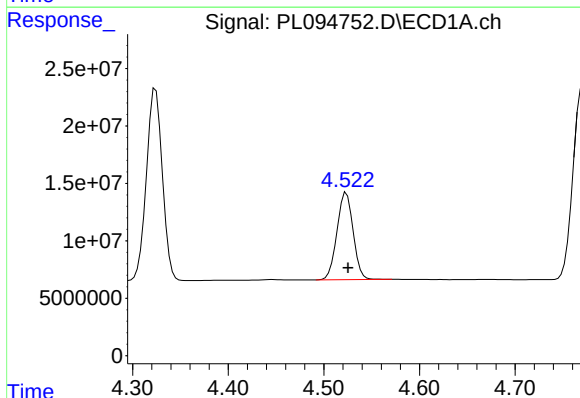
R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 174979304
Conc: 47.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



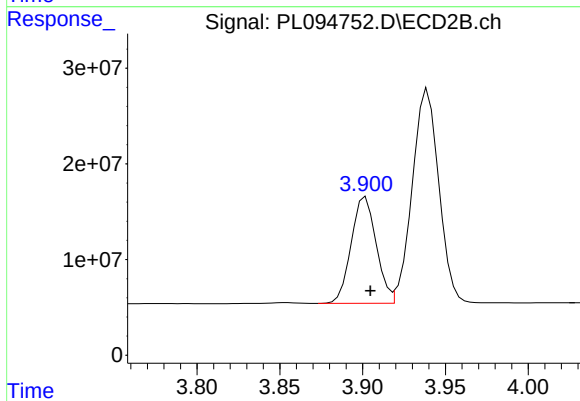
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 249466849
Conc: 51.16 ng/ml



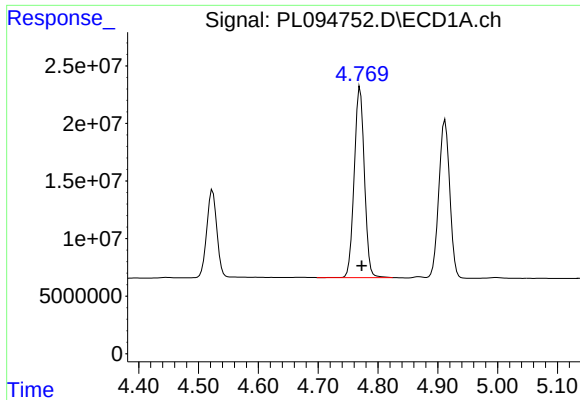
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 89095959
Conc: 48.28 ng/ml



#6 beta-BHC

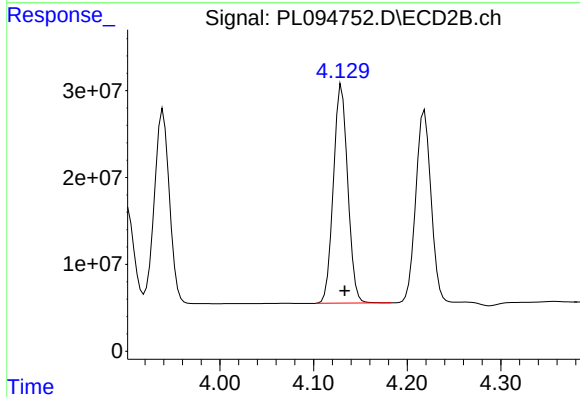
R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 116997453
Conc: 52.67 ng/ml



#7 delta-BHC

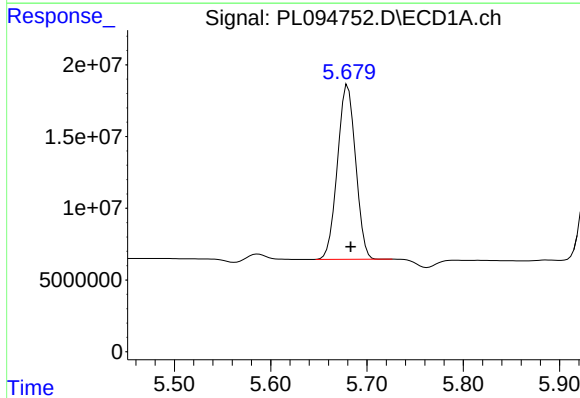
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 194941314
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



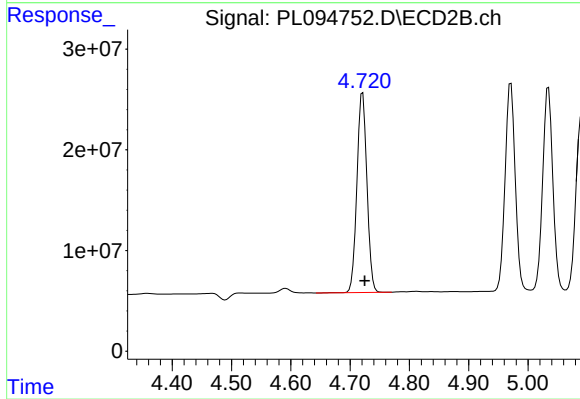
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 268324329
Conc: 53.64 ng/ml



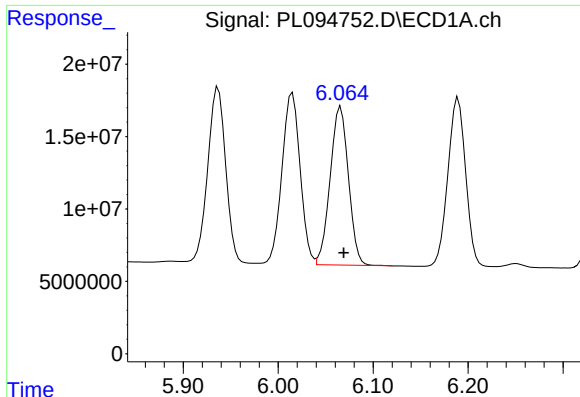
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 159287193
Conc: 47.62 ng/ml



#8 Heptachlor epoxide

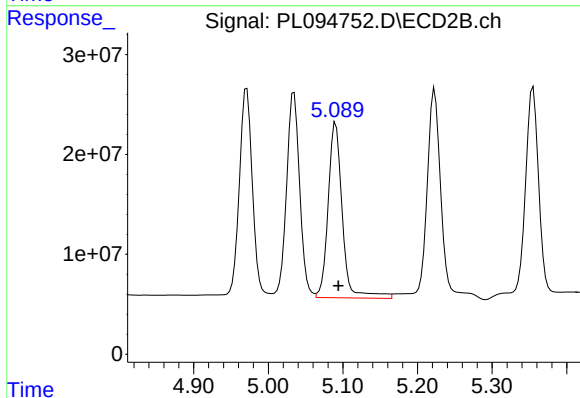
R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 232310818
Conc: 50.74 ng/ml



#9 Endosulfan I

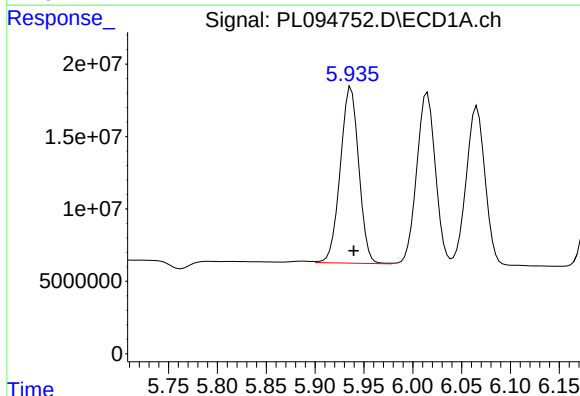
R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 146596416
Conc: 47.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



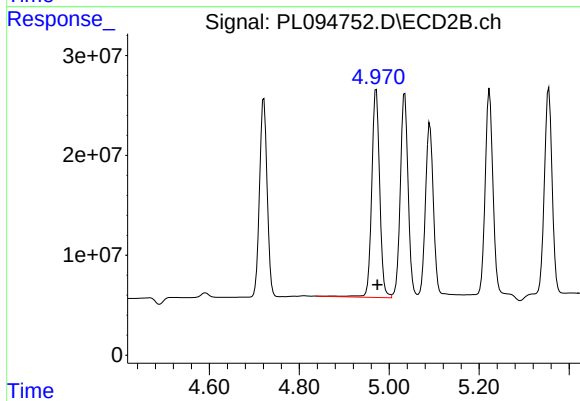
#9 Endosulfan I

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 232112548
Conc: 52.89 ng/ml



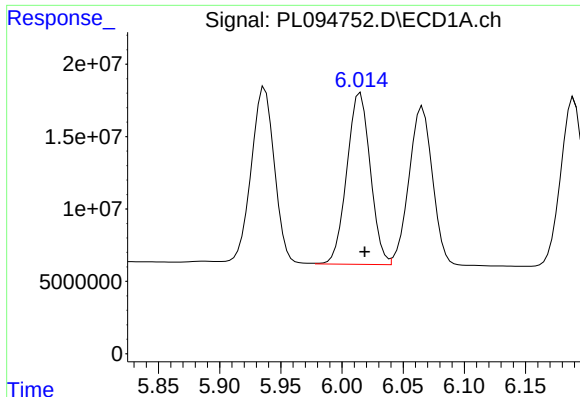
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 160366088
Conc: 47.60 ng/ml



#10 gamma-Chlordane

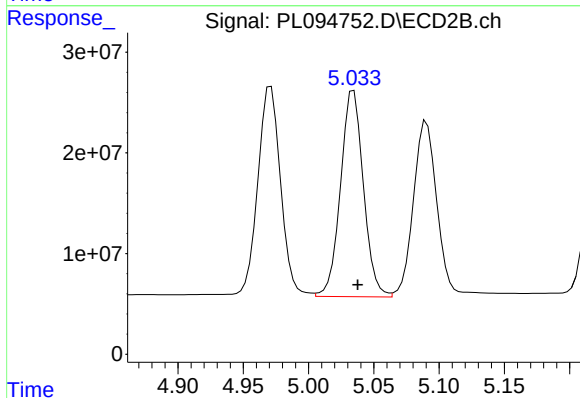
R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 256759623
Conc: 53.18 ng/ml



#11 alpha-Chlordane

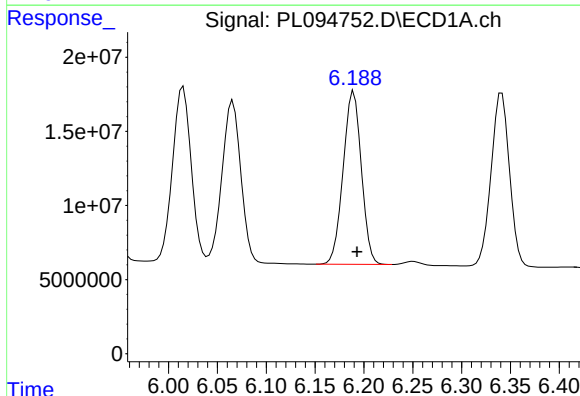
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 157864967
Conc: 47.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



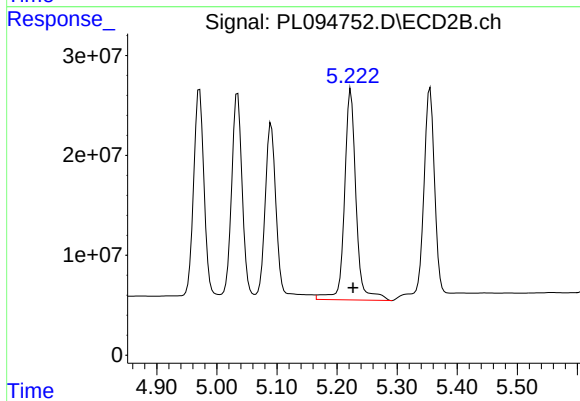
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 250017797
Conc: 52.38 ng/ml



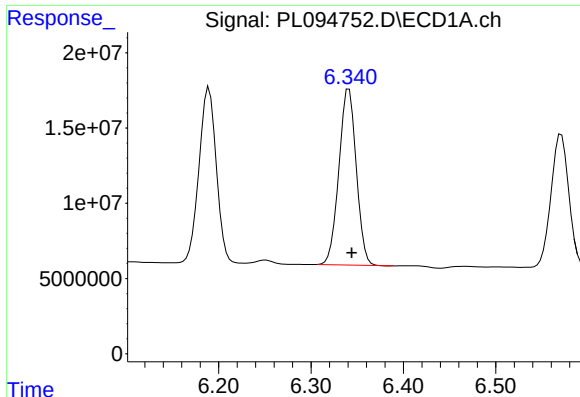
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 151512738
Conc: 51.50 ng/ml



#12 4,4'-DDE

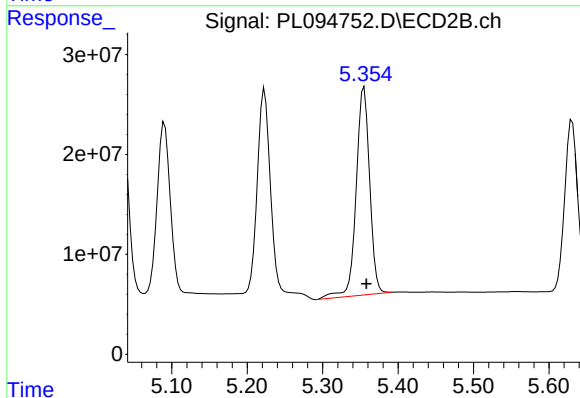
R.T.: 5.223 min
Delta R.T.: -0.003 min
Response: 281117635
Conc: 60.47 ng/ml



#13 Dieldrin

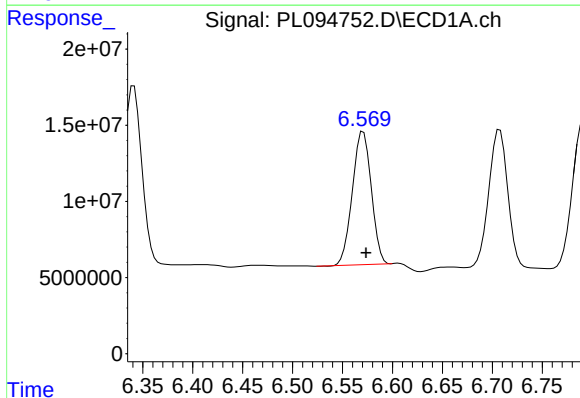
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 152979772
Conc: 47.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



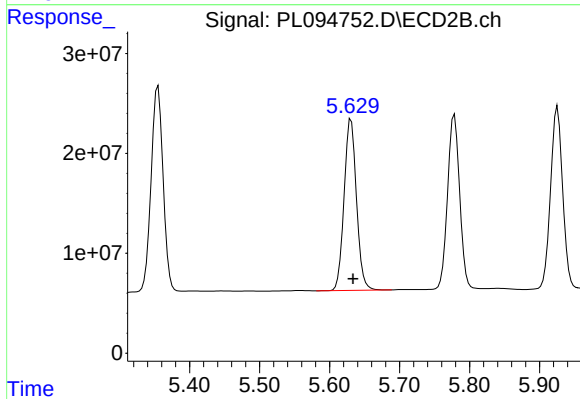
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 258889642
Conc: 53.36 ng/ml



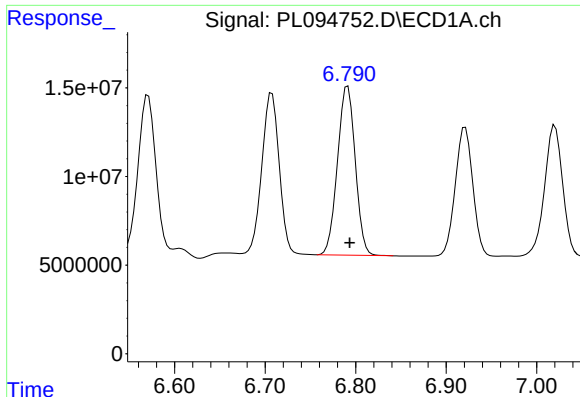
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 115202082
Conc: 41.56 ng/ml



#14 Endrin

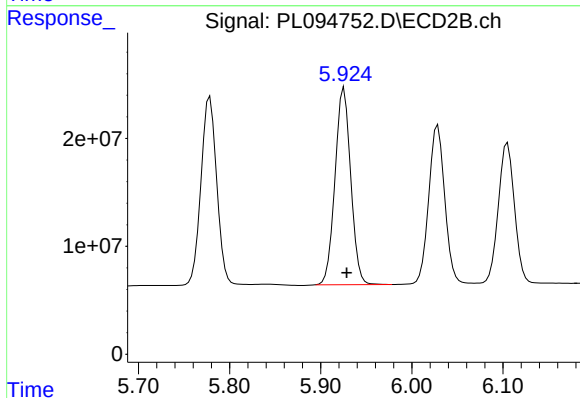
R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 210822746
Conc: 48.31 ng/ml



#15 Endosulfan II

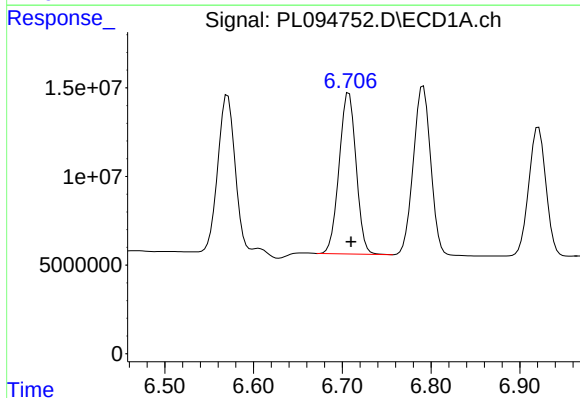
R.T.: 6.791 min
Delta R.T.: -0.002 min
Response: 130050307
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



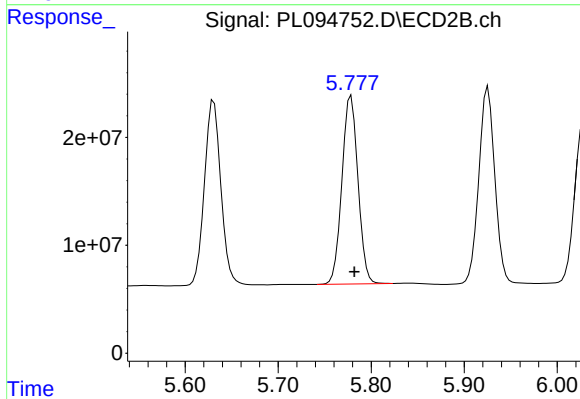
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 218694832
Conc: 50.53 ng/ml



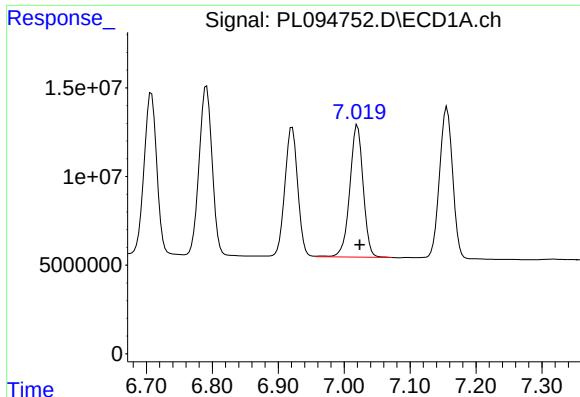
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 121074487
Conc: 55.90 ng/ml



#16 4,4'-DDD

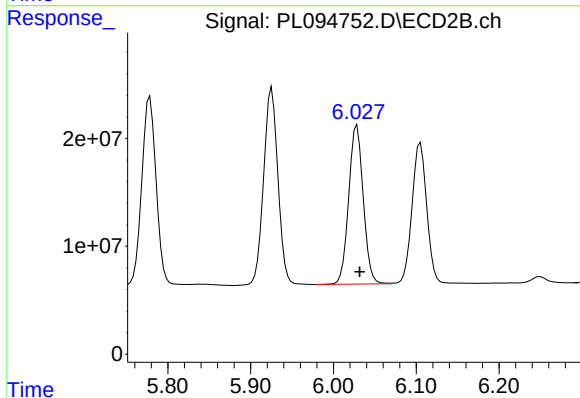
R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 209065607
Conc: 58.14 ng/ml



#17 4,4'-DDT

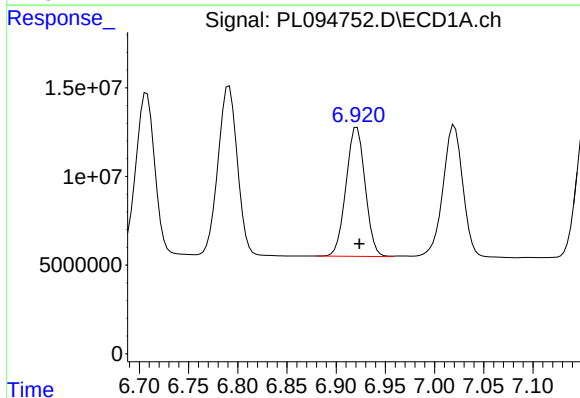
R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 105085618
Conc: 44.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



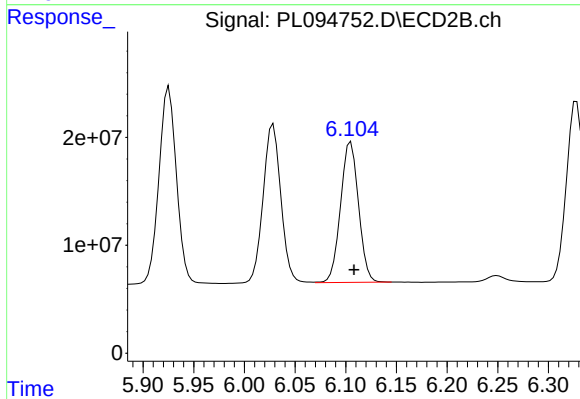
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 179785590
Conc: 44.59 ng/ml



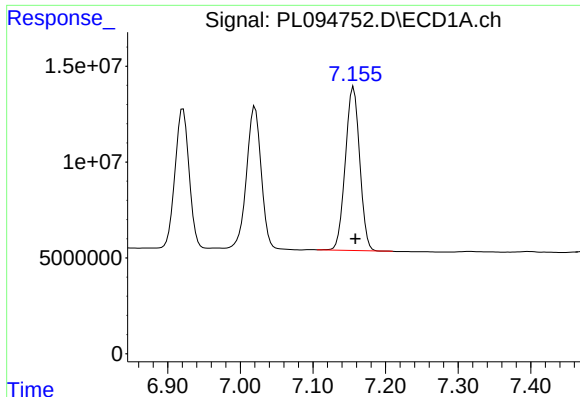
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 98377184
Conc: 46.60 ng/ml



#18 Endrin aldehyde

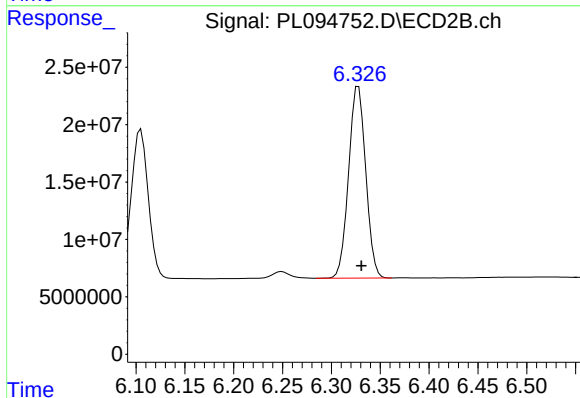
R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 160446080
Conc: 47.68 ng/ml



#19 Endosulfan Sulfate

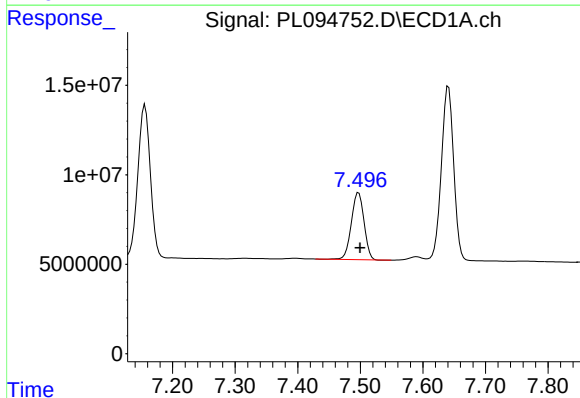
R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 117391608
Conc: 48.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



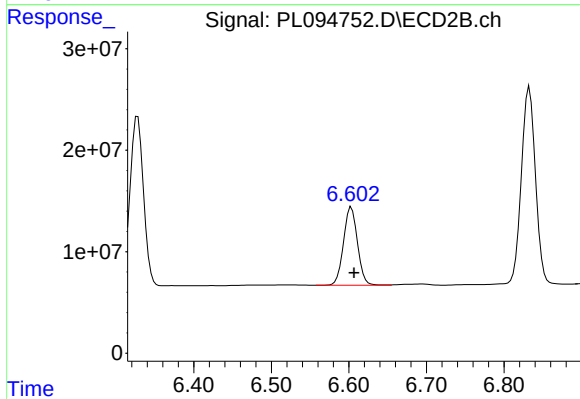
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 203893614
Conc: 50.05 ng/ml



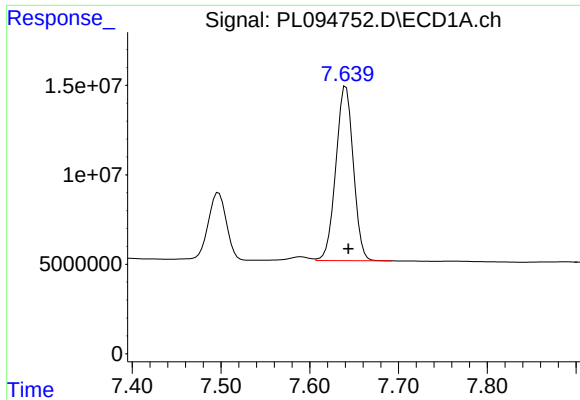
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 52774611
Conc: 44.09 ng/ml



#20 Methoxychlor

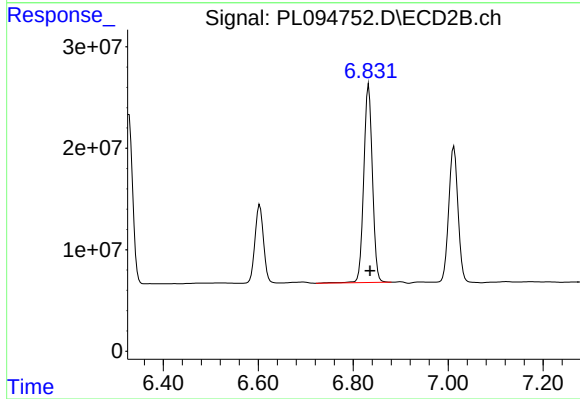
R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 96324887
Conc: 45.41 ng/ml



#21 Endrin ketone

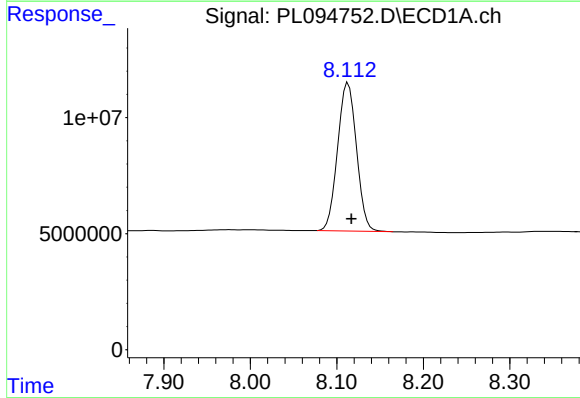
R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 133264476
Conc: 50.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



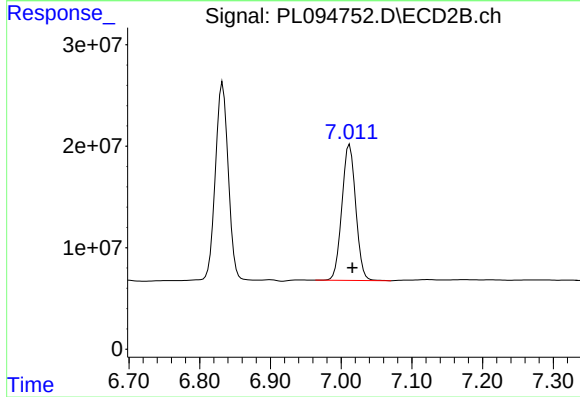
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 247793470
Conc: 51.92 ng/ml



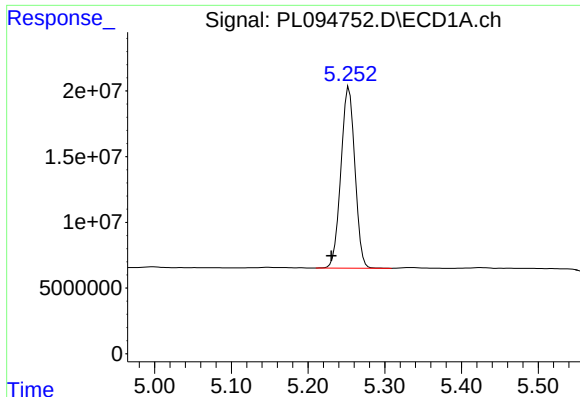
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 96494843
Conc: 46.70 ng/ml



#22 Mirex

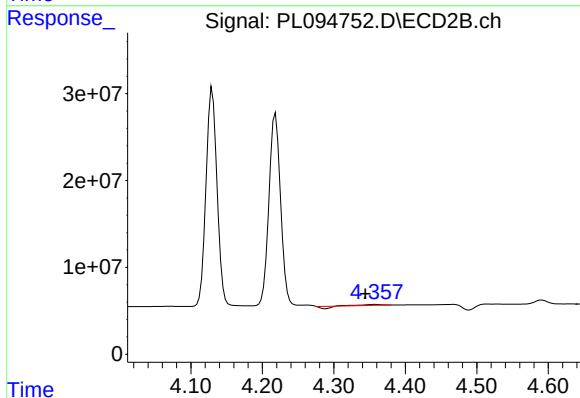
R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 182170292
Conc: 48.00 ng/ml



#24 Chlordane-2

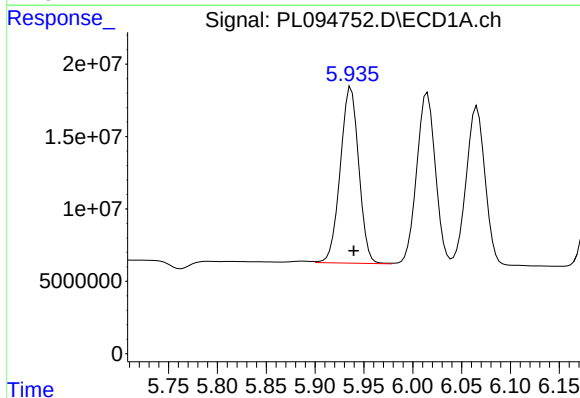
R.T.: 5.253 min
Delta R.T.: 0.023 min
Response: 174979304
Conc: 1156.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



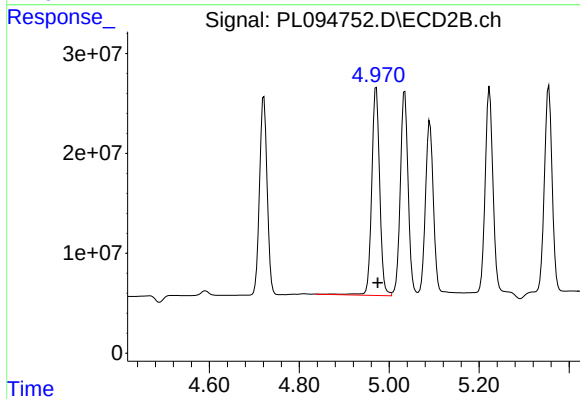
#24 Chlordane-2

R.T.: 4.358 min
Delta R.T.: 0.013 min
Response: 718200
Conc: 4.07 ng/ml



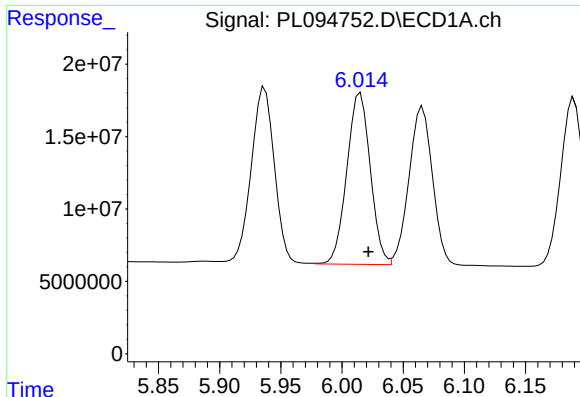
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 160366088
Conc: 320.85 ng/ml



#25 Chlordane-3

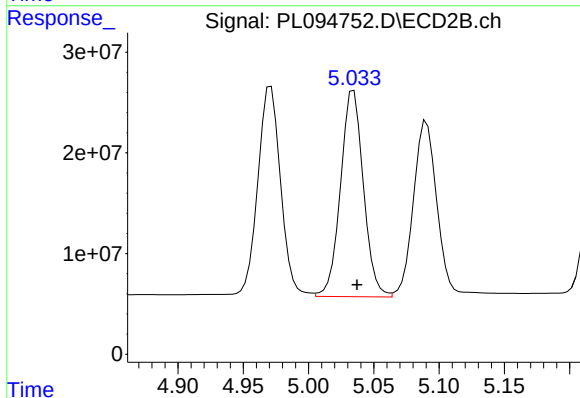
R.T.: 4.971 min
Delta R.T.: -0.004 min
Response: 256759623
Conc: 482.63 ng/ml



#26 Chlordane-4

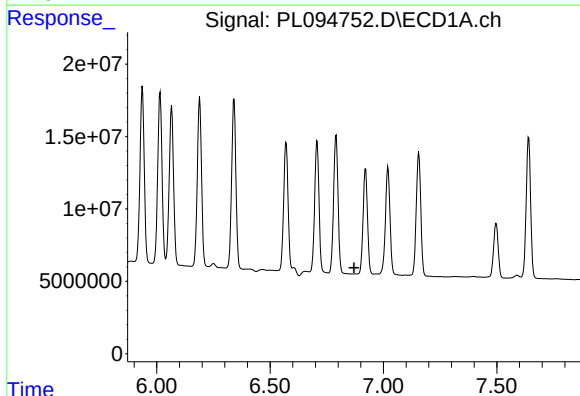
R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 157864967
Conc: 267.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



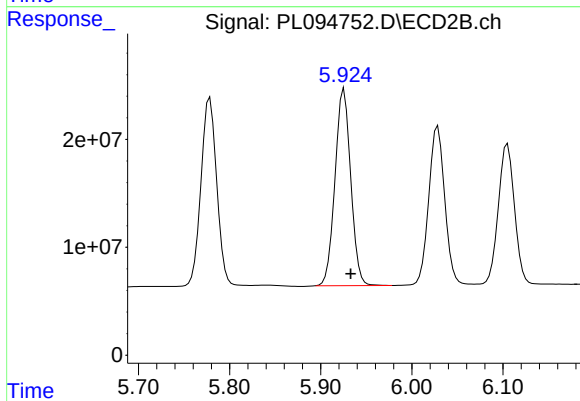
#26 Chlordane-4

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 250017797
Conc: 480.29 ng/ml



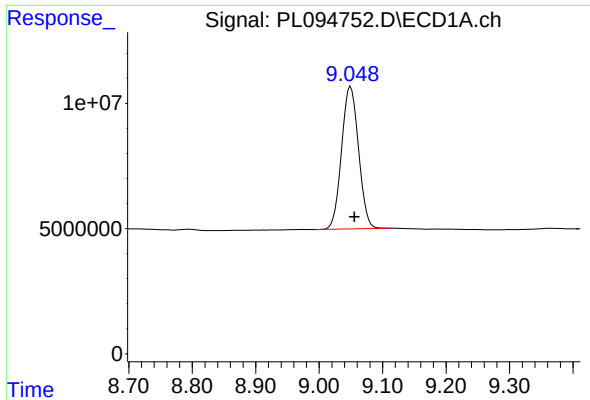
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

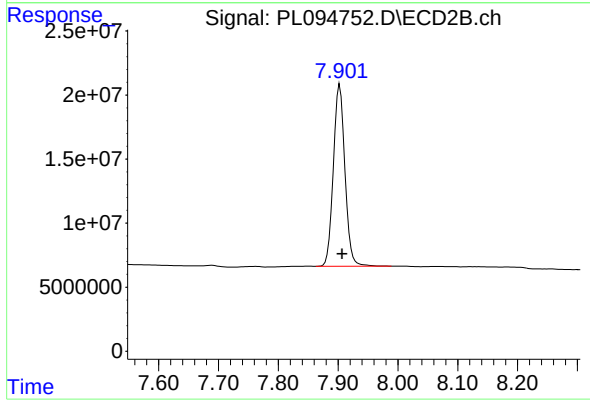
R.T.: 5.926 min
Delta R.T.: -0.007 min
Response: 218694832
Conc: 1140.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 105746652
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 191324304
Conc: 47.37 ng/ml