

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1883

ATTENTION : Adam Roy



Laboratory Certification ID # 20012



1) PESTICIDE-TCL Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	13
9) QC Data Summary For Pesticide-TCL	14
9.1) Deuterated Monitoring Compound Summary	15
9.2) MS/MSD Summary	17
9.3) LCS/LCSD Summary	19
9.4) Method Blank Summary	20
10) Sample Data	21
10.1) OU4-PCS-TC-27-042325	22
10.2) OU4-PCS-TC-28-042325	27
10.3) OU4-PCS-TC-29-042325	32
10.4) OU4-PCS-TC-30-042325	37
10.5) OU4-PCS-TC-31-042325	42
10.6) OU4-PCS-TC-32-042325	47
10.7) OU4-VSL-18-042325	52
10.8) OU4-VSL-19-042325	57
11) Calibration Data Summary	62
11.1) Initial Calibration Data	63
11.1.1) PL042325	63
11.2) Continued Calibration Data	165
11.2.1) PL095440.D	165
11.2.2) PL095451.D	183
11.2.3) PL095475.D	201
11.2.4) PL095484.D	219
11.2.5) PL095495.D	237
11.2.6) PEM Files	255
11.3) RESCHK Data	285
11.4) Analytical Seq	293
12) Compound Detection Summary	295

Table Of Contents for Q1883

13) QC Sample Data	301
13.1) Method Blank Data	302
13.2) PIBLK Data	307
13.3) LCS Data	337
13.4) MS Data	353
13.5) MSD Data	369
14) Manual Integration	385
15) Analytical Runlogs	393
16) Percent Solid	405
17) Extraction Logs	3
17.1) PB167766.pdf	411
17.2) PB167766IC.pdf	413
18) Standard Prep Logs	414
19) Shipping Document	476
19.1) Chain Of Custody	477
19.2) Lab Certificate	478
19.3) Internal COC	479
20) Not Reviewed Data	481

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Cover Page

Order ID : Q1883

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1883-01
Q1883-02
Q1883-03
Q1883-04
Q1883-05
Q1883-06
Q1883-07
Q1883-08
Q1883-09
Q1883-10
Q1883-11
Q1883-12
Q1883-13
Q1883-14
Q1883-15
Q1883-16
Q1883-17

Client Sample Number

OU4-PCS-TC-27-042325
OU4-PCS-TC-27-042325
OU4-PCS-TC-28-042325
OU4-PCS-TC-28-042325
OU4-PCS-TC-29-042325
OU4-PCS-TC-29-042325
OU4-PCS-TC-30-042325
OU4-PCS-TC-30-042325
OU4-PCS-TC-31-042325
OU4-PCS-TC-31-042325
OU4-PCS-TC-32-042325
OU4-PCS-TC-32-042325
OU4-VSL-18-042325
OU4-VSL-18-042325
OU4-VSL-19-042325
OU4-VSL-19-042325
SO-TB-01-042325

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:24 am, May 09, 2025

Date: 5/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order Id # Q1883

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

17 Solid samples were received on 04/25/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3, VOCMS Group1 and VOCMS Group3. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017-11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

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 File ID PL095495.D met the requirements except for alpha-BHC, Endrin ketone is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.



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

F. Manual Integration Comments:

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

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

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:24 am, May 09, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q1883

MATRIX: Solid

METHOD: 8081B/3541

	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 File ID PL095495.D met the requirements except for alpha-BHC,Endrin ketone is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.			
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:			



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
9. Analysis Holding Time Met			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 9:03 am, May 09, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1883

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/02/2025

LAB CHRONICLE

OrderID:	Q1883	OrderDate:	4/25/2025 10:10:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,L51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1883-01	OU4-PCS-TC-27-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-03	OU4-PCS-TC-28-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-05	OU4-PCS-TC-29-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-07	OU4-PCS-TC-30-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-09	OU4-PCS-TC-31-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-11	OU4-PCS-TC-32-0423 25	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	
Q1883-13	OU4-VSL-18-042325	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	

LAB CHRONICLE

Q1883-15	OU4-VSL-19-042325	SOIL			04/23/25			04/25/25
			PCB	8082A		04/29/25	04/29/25	
			Pesticide-TCL	8081B		04/28/25	04/29/25	

Hit Summary Sheet
SW-846

SDG No.: Q1883

Order ID: Q1883

Client: Nobis Group

Project ID: Raymark Superfund Site

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

Total Concentration: 0.000



QC SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Surrogate Summary

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095326.D	PIBLK-PL095326.D	Decachlorobiphenyl	1	20	18.9	94		30	135
		Tetrachloro-m-xylene	1	20	17.3	87		44	124
		Decachlorobiphenyl	2	20	18.2	91		30	135
		Tetrachloro-m-xylene	2	20	17.1	86		44	124
I.BLK-PL095438.D	PIBLK-PL095438.D	Decachlorobiphenyl	1	20	22.9	114		30	135
		Tetrachloro-m-xylene	1	20	18.6	93		44	124
		Decachlorobiphenyl	2	20	21.7	109		30	135
		Tetrachloro-m-xylene	2	20	17.7	89		44	124
PB167766BS	PB167766BS	Decachlorobiphenyl	1	20	23.6	118		55	130
		Tetrachloro-m-xylene	1	20	20.7	104		42	129
		Decachlorobiphenyl	2	20	23.8	119		55	130
		Tetrachloro-m-xylene	2	20	20.8	104		42	129
Q1889-01MS	COMP-1MS	Decachlorobiphenyl	1	20	17.6	88		55	130
		Tetrachloro-m-xylene	1	20	18.1	90		42	129
		Decachlorobiphenyl	2	20	17.8	89		55	130
		Tetrachloro-m-xylene	2	20	18.4	92		42	129
Q1889-01MSD	COMP-1MSD	Decachlorobiphenyl	1	20	17.4	87		55	130
		Tetrachloro-m-xylene	1	20	17.9	90		42	129
		Decachlorobiphenyl	2	20	17.1	86		55	130
		Tetrachloro-m-xylene	2	20	18.0	90		42	129
I.BLK-PL095450.D	PIBLK-PL095450.D	Decachlorobiphenyl	1	20	21.2	106		30	135
		Tetrachloro-m-xylene	1	20	18.5	93		44	124
		Decachlorobiphenyl	2	20	21.8	109		30	135
		Tetrachloro-m-xylene	2	20	19.0	95		44	124
I.BLK-PL095473.D	PIBLK-PL095473.D	Decachlorobiphenyl	1	20	22.2	111		30	135
		Tetrachloro-m-xylene	1	20	18.9	95		44	124
		Decachlorobiphenyl	2	20	21.0	105		30	135
		Tetrachloro-m-xylene	2	20	18.1	91		44	124
PB167766BL	PB167766BL	Decachlorobiphenyl	1	20	21.5	107		55	130
		Tetrachloro-m-xylene	1	20	19.4	97		42	129
		Decachlorobiphenyl	2	20	20.9	105		55	130
		Tetrachloro-m-xylene	2	20	18.4	92		42	129
Q1883-01	OU4-PCS-TC-27-042325	Decachlorobiphenyl	1	20	20.1	101		55	130
		Tetrachloro-m-xylene	1	20	18.9	95		42	129
		Decachlorobiphenyl	2	20	18.9	95		55	130
		Tetrachloro-m-xylene	2	20	21.1	106		42	129
I.BLK-PL095483.D	PIBLK-PL095483.D	Decachlorobiphenyl	1	20	22.9	115		30	135
		Tetrachloro-m-xylene	1	20	19.1	96		44	124
		Decachlorobiphenyl	2	20	21.8	109		30	135
		Tetrachloro-m-xylene	2	20	21.8	109		44	124
Q1883-03	OU4-PCS-TC-28-042325	Decachlorobiphenyl	1	20	20.4	102		55	130

Surrogate Summary

SDG No.: **Q1883**

Client: **Nobis Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1883-03	OU4-PCS-TC-28-042325	Tetrachloro-m-xylene	1	20	19.1	95		42	129
		Decachlorobiphenyl	2	20	21.7	108		55	130
Q1883-05	OU4-PCS-TC-29-042325	Tetrachloro-m-xylene	2	20	23.0	115		42	129
		Decachlorobiphenyl	1	20	14.4	72		55	130
		Tetrachloro-m-xylene	1	20	14.4	72		42	129
		Decachlorobiphenyl	2	20	14.4	72		55	130
Q1883-07	OU4-PCS-TC-30-042325	Tetrachloro-m-xylene	2	20	18.1	91		42	129
		Decachlorobiphenyl	1	20	20.3	102		55	130
		Tetrachloro-m-xylene	1	20	18.1	91		42	129
		Decachlorobiphenyl	2	20	19.5	97		55	130
Q1883-09	OU4-PCS-TC-31-042325	Tetrachloro-m-xylene	2	20	21.8	109		42	129
		Decachlorobiphenyl	1	20	20.9	104		55	130
		Tetrachloro-m-xylene	1	20	19.1	96		42	129
		Decachlorobiphenyl	2	20	20.1	100		55	130
Q1883-11	OU4-PCS-TC-32-042325	Tetrachloro-m-xylene	2	20	21.5	107		42	129
		Decachlorobiphenyl	1	20	20.2	101		55	130
		Tetrachloro-m-xylene	1	20	17.7	88		42	129
		Decachlorobiphenyl	2	20	20.2	101		55	130
Q1883-13	OU4-VSL-18-042325	Tetrachloro-m-xylene	2	20	21.0	105		42	129
		Decachlorobiphenyl	1	20	20.8	104		55	130
		Tetrachloro-m-xylene	1	20	19.8	99		42	129
		Decachlorobiphenyl	2	20	21.0	105		55	130
Q1883-15	OU4-VSL-19-042325	Tetrachloro-m-xylene	2	20	24.3	122		42	129
		Decachlorobiphenyl	1	20	20.3	102		55	130
		Tetrachloro-m-xylene	1	20	19.0	95		42	129
		Decachlorobiphenyl	2	20	20.5	103		55	130
I.BLK-PL095494.D	PIBLK-PL095494.D	Tetrachloro-m-xylene	2	20	23.6	118		42	129
		Decachlorobiphenyl	1	20	21.6	108		30	135
		Tetrachloro-m-xylene	1	20	18.7	93		44	124
		Decachlorobiphenyl	2	20	21.8	109		30	135
		Tetrachloro-m-xylene	2	20	23.5	118		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL095444.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-IMS											
Q1889-01MS	alpha-BHC	20.18	0	21.1	ug/kg	105				45	137	
	beta-BHC	20.18	0	20.1	ug/kg	100				50	136	
	delta-BHC	20.18	0	20.5	ug/kg	102				47	139	
	gamma-BHC (Lindane)	20.18	0	20.7	ug/kg	103				49	135	
	Heptachlor	20.18	0	19.8	ug/kg	98				47	136	
	Aldrin	20.18	0	20.3	ug/kg	101				45	136	
	Heptachlor epoxide	20.18	0	20.6	ug/kg	102				52	136	
	Endosulfan I	20.18	0	21.0	ug/kg	104				53	132	
	Dieldrin	20.18	0	21.2	ug/kg	105				56	136	
	4,4'-DDE	20.18	0	21.1	ug/kg	105				56	134	
	Endrin	20.18	0	21.2	ug/kg	105				57	140	
	Endosulfan II	20.18	0	22.1	ug/kg	110				53	134	
	4,4'-DDD	20.18	0	23.1	ug/kg	114				56	139	
	Endosulfan sulfate	20.18	0	21.5	ug/kg	107				55	136	
	4,4'-DDT	20.18	0	21.3	ug/kg	106				50	141	
	Methoxychlor	20.18	0	20.4	ug/kg	101				52	143	
	Endrin ketone	20.18	0	22.7	ug/kg	112				55	136	
	Endrin aldehyde	20.18	0	21.5	ug/kg	107				35	137	
	alpha-Chlordane	20.18	0	20.9	ug/kg	104				54	133	
	gamma-Chlordane	20.18	0	21.1	ug/kg	105				53	135	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL095445.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-1MSD											
Q1889-01MSD	alpha-BHC	20.17	0	20.9	ug/kg	104		1		45	137	20
	beta-BHC	20.17	0	19.7	ug/kg	98		2		50	136	20
	delta-BHC	20.17	0	20.3	ug/kg	101		1		47	139	20
	gamma-BHC (Lindane)	20.17	0	20.5	ug/kg	102		1		49	135	20
	Heptachlor	20.17	0	19.6	ug/kg	97		1		47	136	20
	Aldrin	20.17	0	20.1	ug/kg	100		1		45	136	20
	Heptachlor epoxide	20.17	0	20.4	ug/kg	101		1		52	136	20
	Endosulfan I	20.17	0	20.8	ug/kg	103		1		53	132	20
	Dieldrin	20.17	0	21.0	ug/kg	104		1		56	136	20
	4,4'-DDE	20.17	0	20.8	ug/kg	103		2		56	134	20
	Endrin	20.17	0	21.0	ug/kg	104		1		57	140	20
	Endosulfan II	20.17	0	21.8	ug/kg	108		2		53	134	20
	4,4'-DDD	20.17	0	22.8	ug/kg	113		1		56	139	20
	Endosulfan sulfate	20.17	0	21.4	ug/kg	106		1		55	136	20
	4,4'-DDT	20.17	0	20.9	ug/kg	104		2		50	141	20
	Methoxychlor	20.17	0	20.0	ug/kg	99		2		52	143	20
	Endrin ketone	20.17	0	22.6	ug/kg	112		0		55	136	20
	Endrin aldehyde	20.17	0	21.5	ug/kg	107		0		35	137	20
	alpha-Chlordane	20.17	0	20.6	ug/kg	102		2		54	133	20
	gamma-Chlordane	20.17	0	20.8	ug/kg	103		2		53	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: **8081B** Datafile : PL095442.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167766BS	alpha-BHC	16.65	17.8	ug/kg	107				45	137	
	beta-BHC	16.65	17.2	ug/kg	103				50	136	
	delta-BHC	16.65	17.7	ug/kg	106				47	139	
	gamma-BHC (Lindane)	16.65	17.6	ug/kg	106				49	135	
	Heptachlor	16.65	16.9	ug/kg	102				47	136	
	Aldrin	16.65	17.4	ug/kg	105				45	136	
	Heptachlor epoxide	16.65	17.9	ug/kg	108				52	136	
	Endosulfan I	16.65	18.1	ug/kg	109				53	132	
	Dieldrin	16.65	18.4	ug/kg	111				56	136	
	4,4'-DDE	16.65	18.1	ug/kg	109				56	134	
	Endrin	16.65	17.4	ug/kg	105				57	140	
	Endosulfan II	16.65	19.0	ug/kg	114				53	134	
	4,4'-DDD	16.65	19.6	ug/kg	118				56	139	
	Endosulfan sulfate	16.65	18.4	ug/kg	111				55	136	
	4,4'-DDT	16.65	18.7	ug/kg	112				50	141	
	Methoxychlor	16.65	17.7	ug/kg	106				52	143	
	Endrin ketone	16.65	19.6	ug/kg	118				55	136	
	Endrin aldehyde	16.65	19.6	ug/kg	118				35	137	
	alpha-Chlordane	16.65	18.1	ug/kg	109				54	133	
	gamma-Chlordane	16.65	18.1	ug/kg	109				53	135	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167766BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883

SAS No.: Q1883 SDG NO.: Q1883

Lab Sample ID: PB167766BL

Lab File ID: PL095478.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/28/2025

Date Analyzed (1): 04/29/2025

Date Analyzed (2): 04/29/2025

Time Analyzed (1): 14:42

Time Analyzed (2): 14:42

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
PB167766BS	PB167766BS	PL095442.D	04/28/2025	04/28/2025
COMP-1MS	Q1889-01MS	PL095444.D	04/28/2025	04/28/2025
COMP-1MSD	Q1889-01MSD	PL095445.D	04/28/2025	04/28/2025
OU4-PCS-TC-27-042325	Q1883-01	PL095482.D	04/29/2025	04/29/2025
OU4-PCS-TC-28-042325	Q1883-03	PL095487.D	04/29/2025	04/29/2025
OU4-PCS-TC-29-042325	Q1883-05	PL095488.D	04/29/2025	04/29/2025
OU4-PCS-TC-30-042325	Q1883-07	PL095489.D	04/29/2025	04/29/2025
OU4-PCS-TC-31-042325	Q1883-09	PL095490.D	04/29/2025	04/29/2025
OU4-PCS-TC-32-042325	Q1883-11	PL095491.D	04/29/2025	04/29/2025
OU4-VSL-18-042325	Q1883-13	PL095492.D	04/29/2025	04/29/2025
OU4-VSL-19-042325	Q1883-15	PL095493.D	04/29/2025	04/29/2025

COMMENTS: _____



SAMPLE DATA

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095482.D	1	04/28/25 09:05	04/29/25 16:38	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00088	U	0.00019	0.00088	0.0018	mg/Kg
319-86-8	delta-BHC	0.00088	U	0.00041	0.00088	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00088	U	0.00031	0.00088	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		42 - 129		106%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-27-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095482.D	1	04/28/25 09:05	04/29/25 16:38	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 16:38
Operator : AR\AJ
Sample : Q1883-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-27-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:56:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.905	61720432	67083813	18.906	21.097
28) SA Decachlor...	9.121	8.083	55780351	56062499	20.131	18.945

Target Compounds

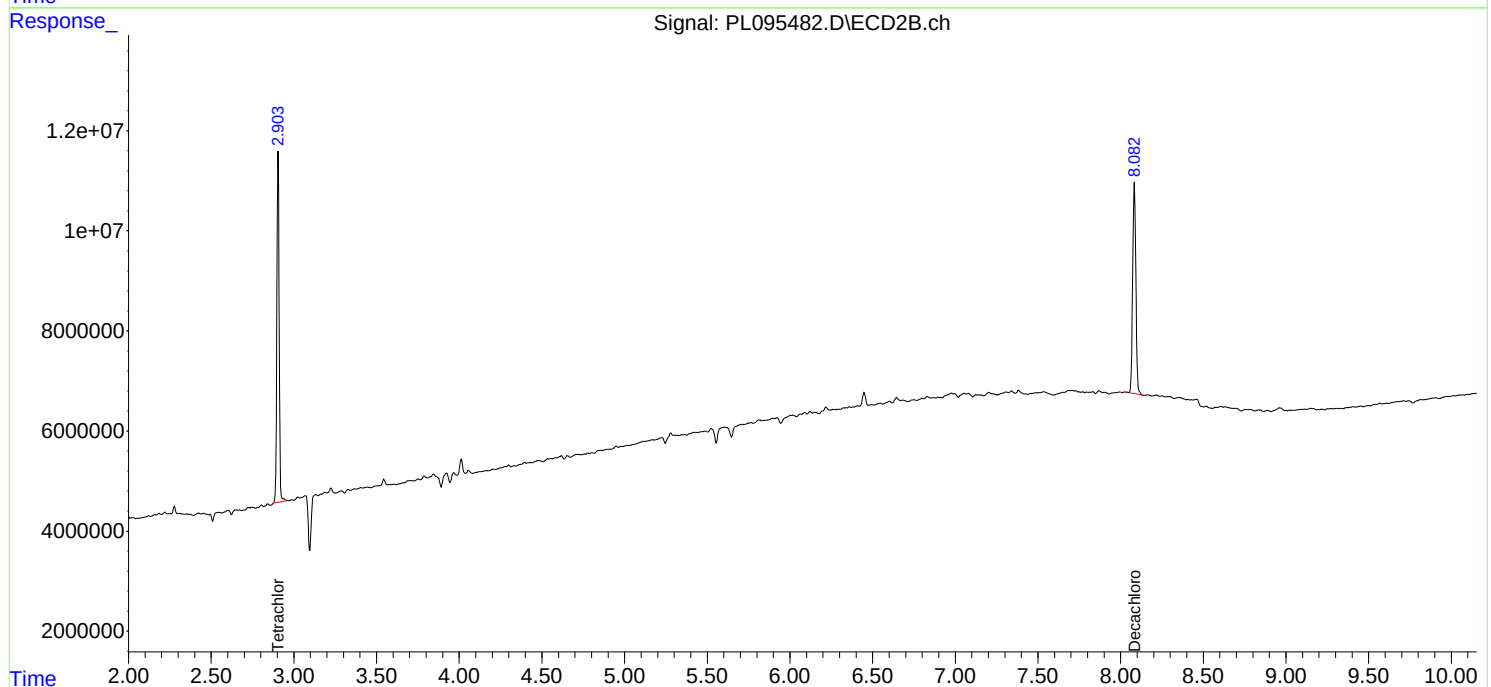
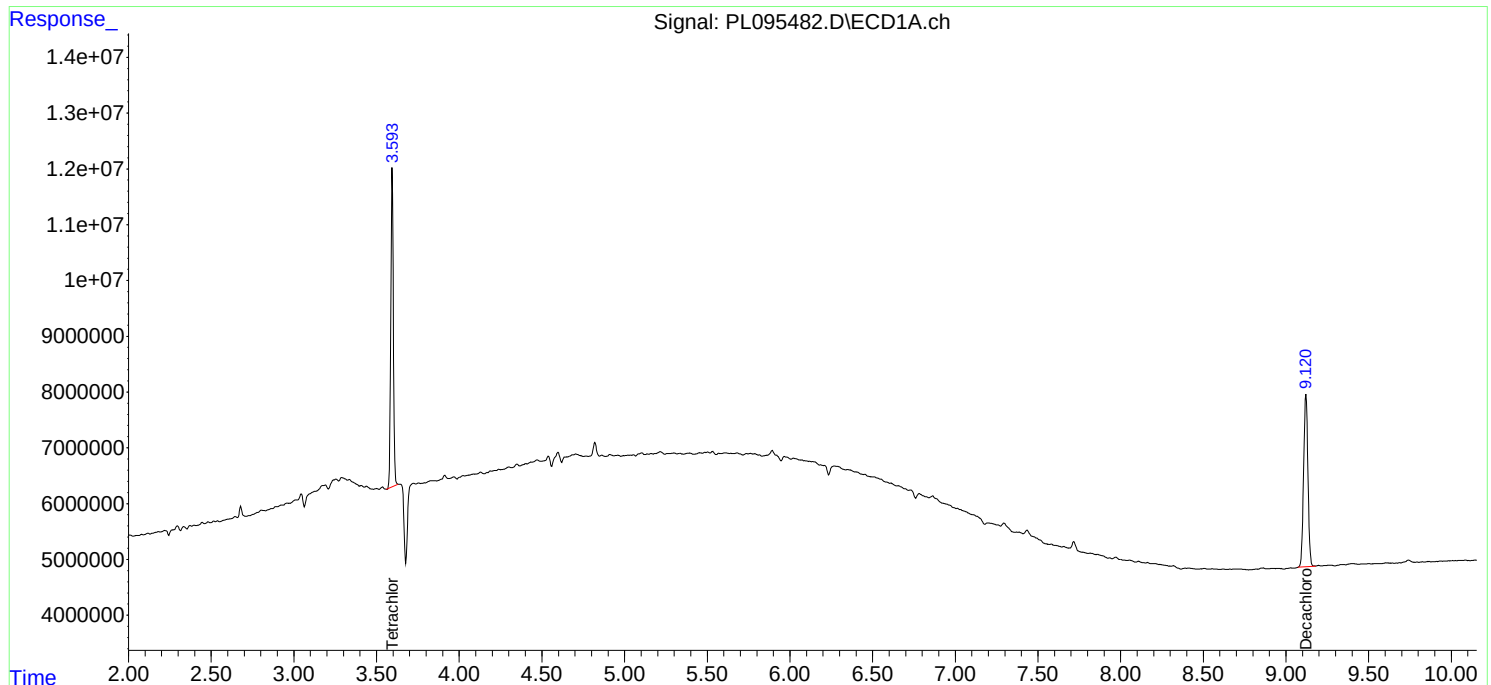
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

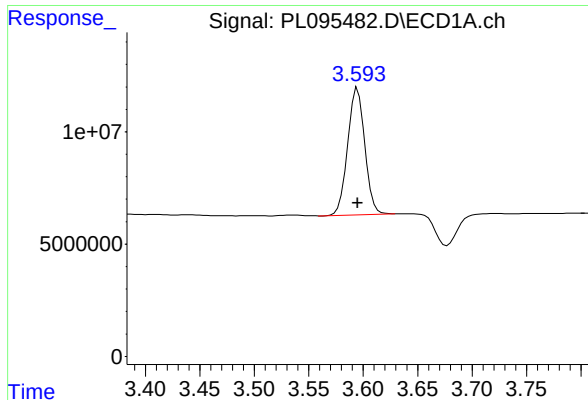
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 16:38
Operator : AR\AJ
Sample : Q1883-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-27-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:56:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

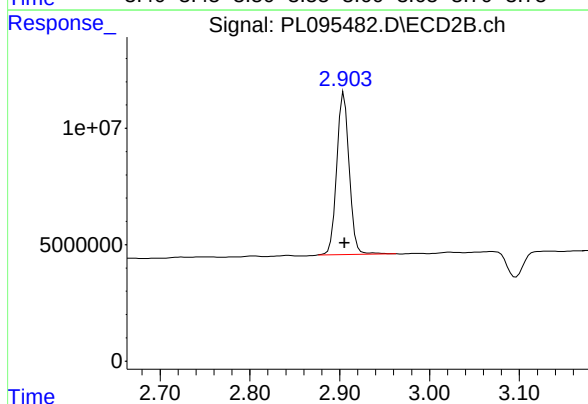




#1 Tetrachloro-m-xylene

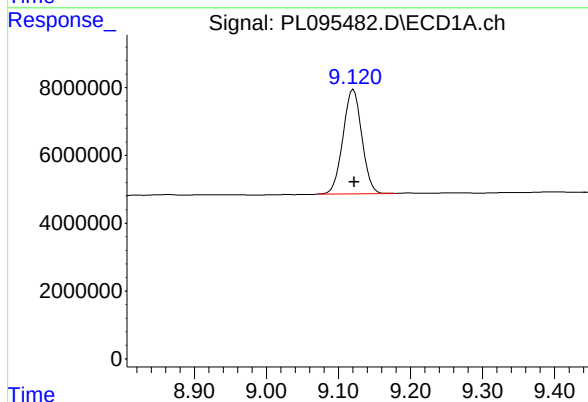
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 61720432
Conc: 18.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-27-042325



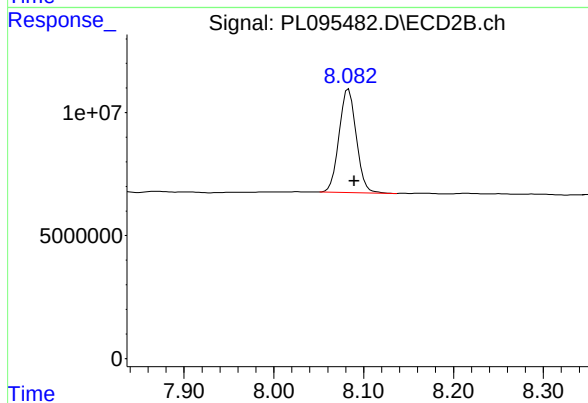
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 67083813
Conc: 21.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: -0.001 min
Response: 55780351
Conc: 20.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 56062499
Conc: 18.94 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095487.D	1	04/28/25 09:05	04/29/25 19:29	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00088	U	0.00019	0.00088	0.0018	mg/Kg
319-86-8	delta-BHC	0.00088	U	0.00041	0.00088	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00088	U	0.00031	0.00088	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.7		55 - 130		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		42 - 129		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-28-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94.5	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095487.D	1	04/28/25 09:05	04/29/25 19:29	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:29
Operator : AR\AJ
Sample : Q1883-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-28-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	62276758	73017950	19.076	22.963
28) SA Decachlor...	9.119	8.086	56539957	64116972	20.406	21.667

Target Compounds

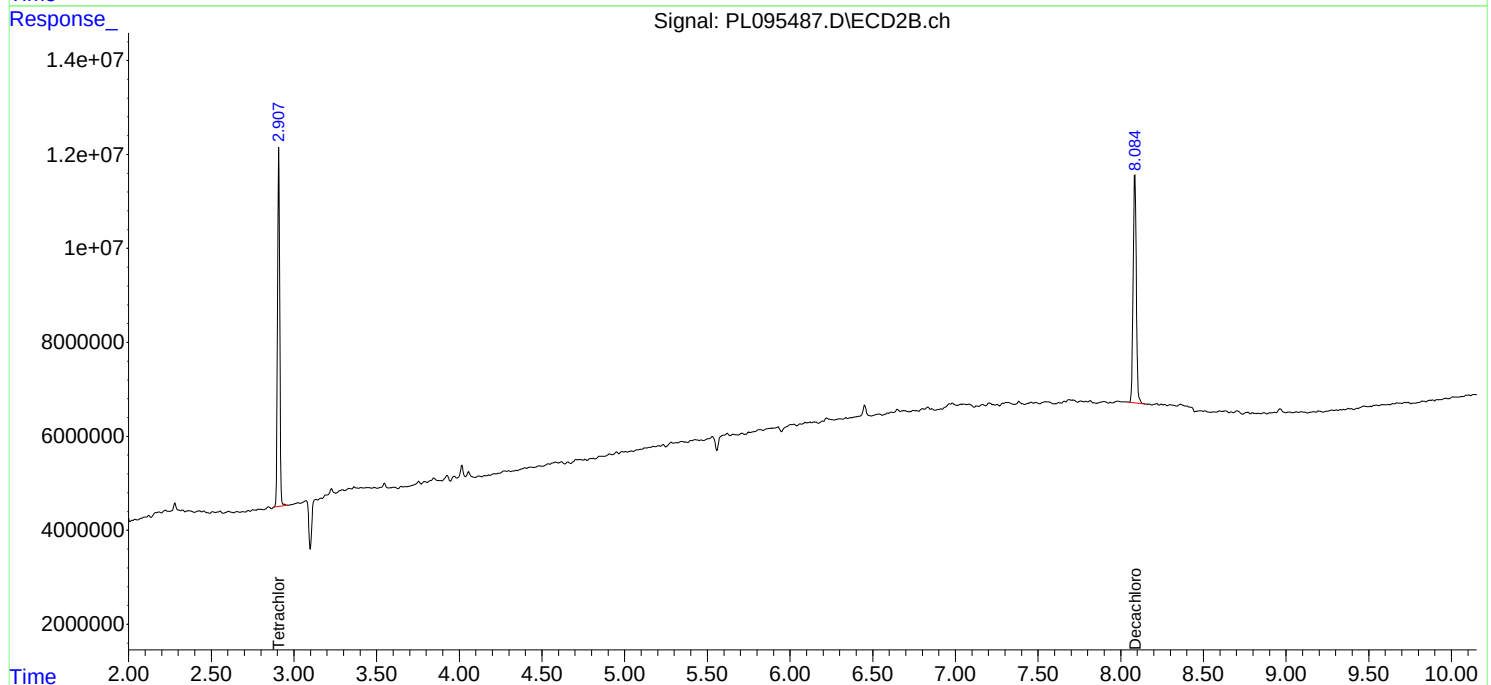
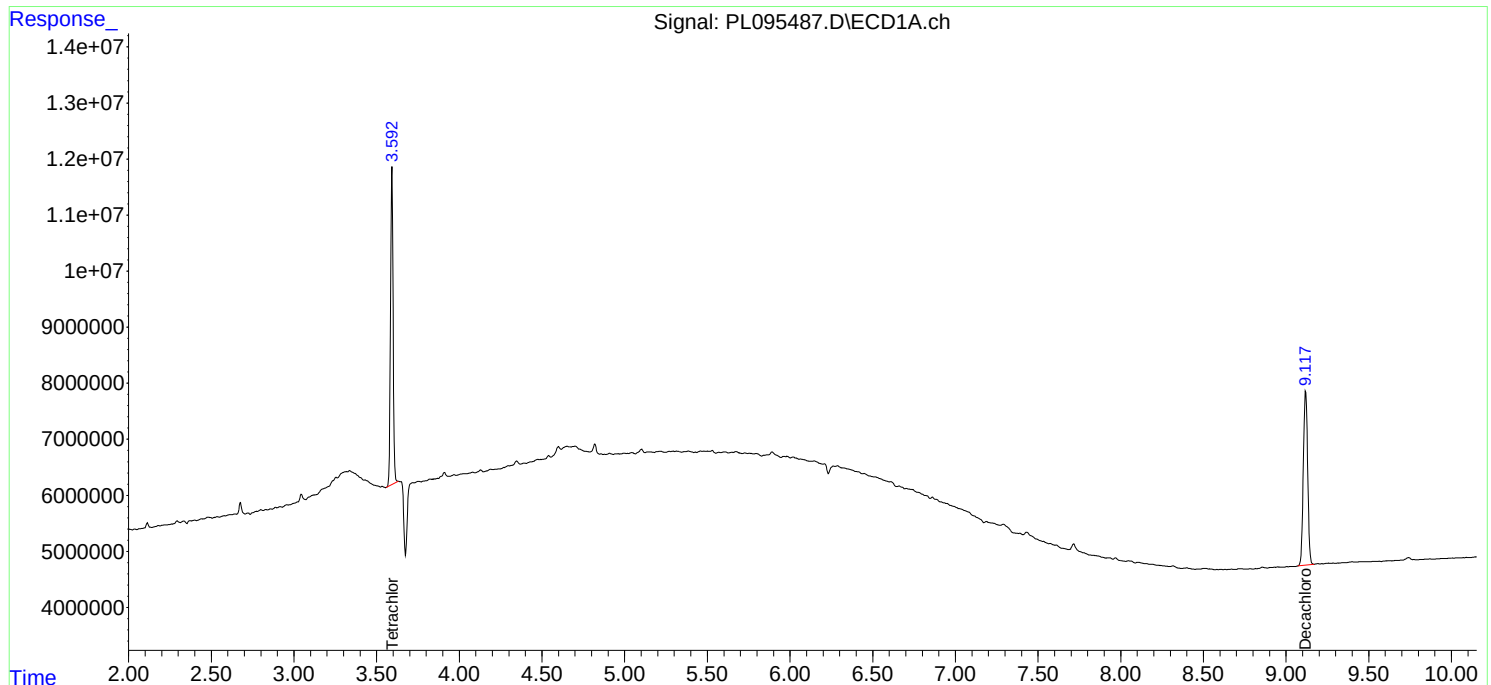
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

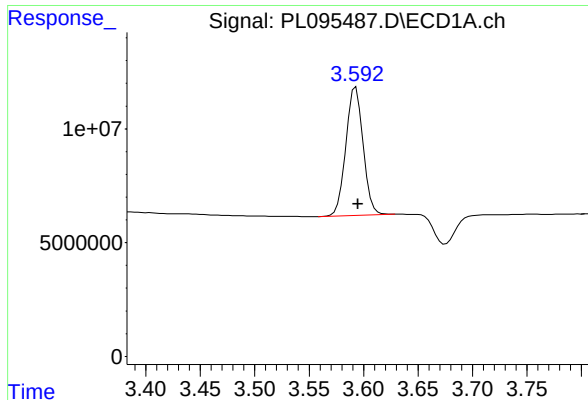
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:29
Operator : AR\AJ
Sample : Q1883-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-28-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

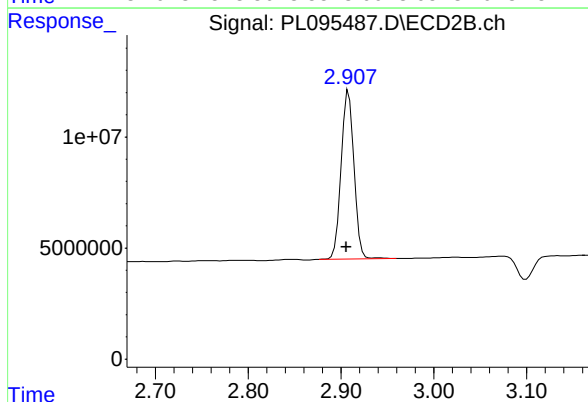




#1 Tetrachloro-m-xylene

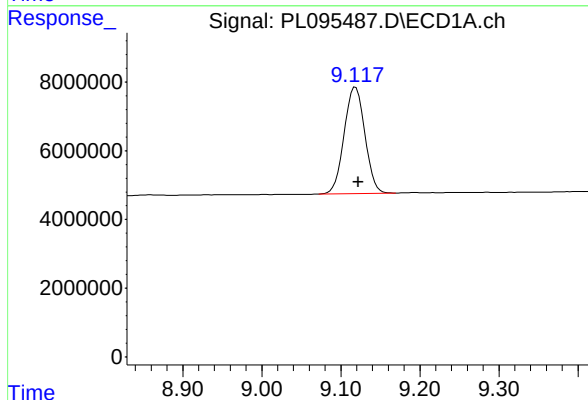
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62276758
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-28-042325



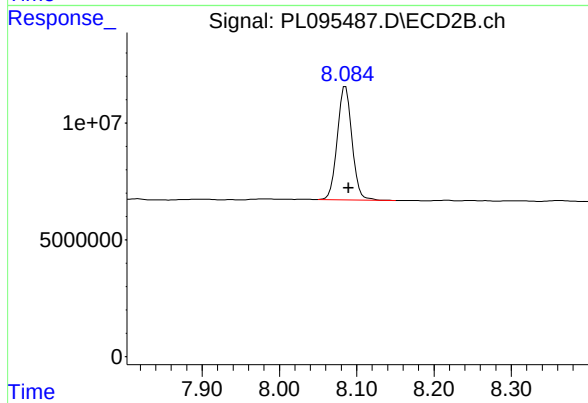
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.003 min
Response: 73017950
Conc: 22.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.004 min
Response: 56539957
Conc: 20.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.004 min
Response: 64116972
Conc: 21.67 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095488.D	1	04/28/25 09:05	04/29/25 19:43	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.00087	U	0.00019	0.00087	0.0018	mg/Kg
319-86-8	delta-BHC	0.00087	U	0.00041	0.00087	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00087	U	0.00020	0.00087	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00087	U	0.00030	0.00087	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00087	U	0.00039	0.00087	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00087	U	0.00020	0.00087	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00087	U	0.00039	0.00087	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.4		55 - 130		72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		42 - 129		91%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-29-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-05		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	95.7	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095488.D	1	04/28/25 09:05	04/29/25 19:43	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:43
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	47053643	57612435	14.413	18.119 #
28) SA Decachlor...	9.118	8.082	39797776	42520975	14.363	14.369m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:43
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

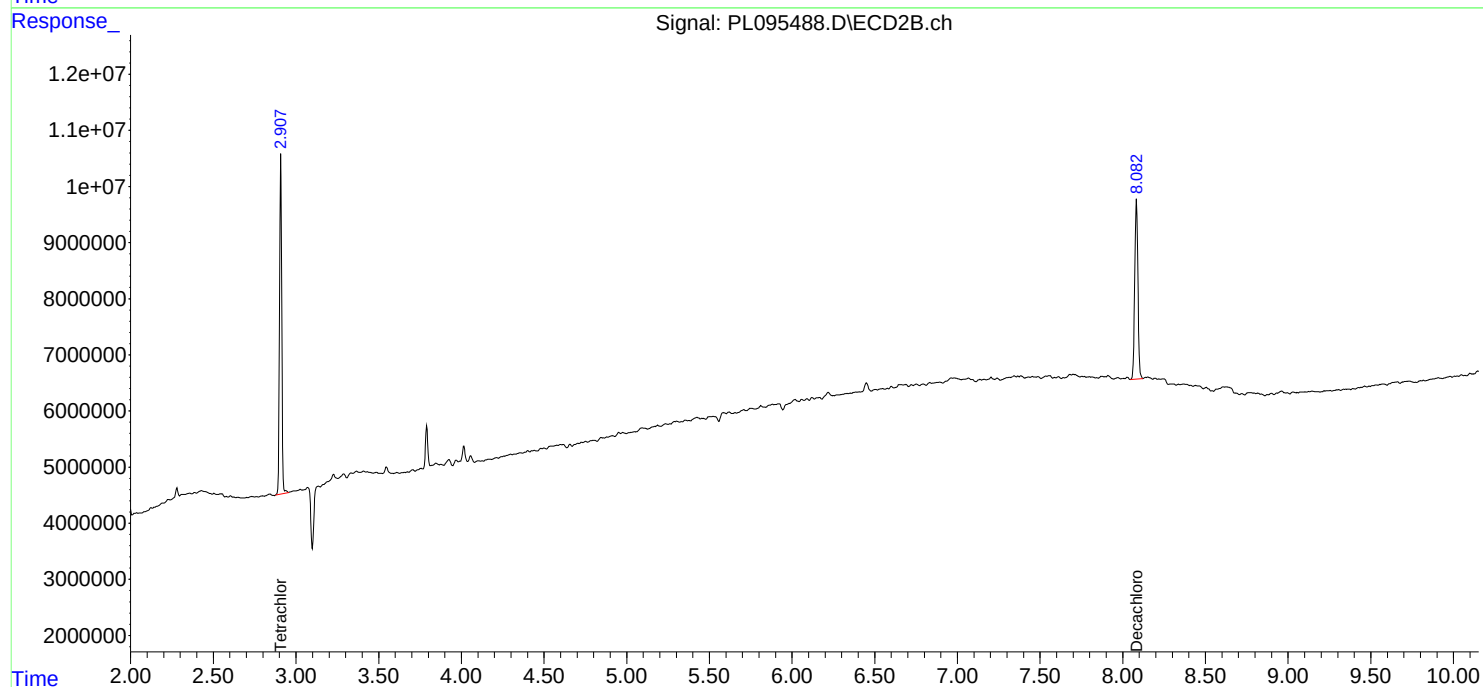
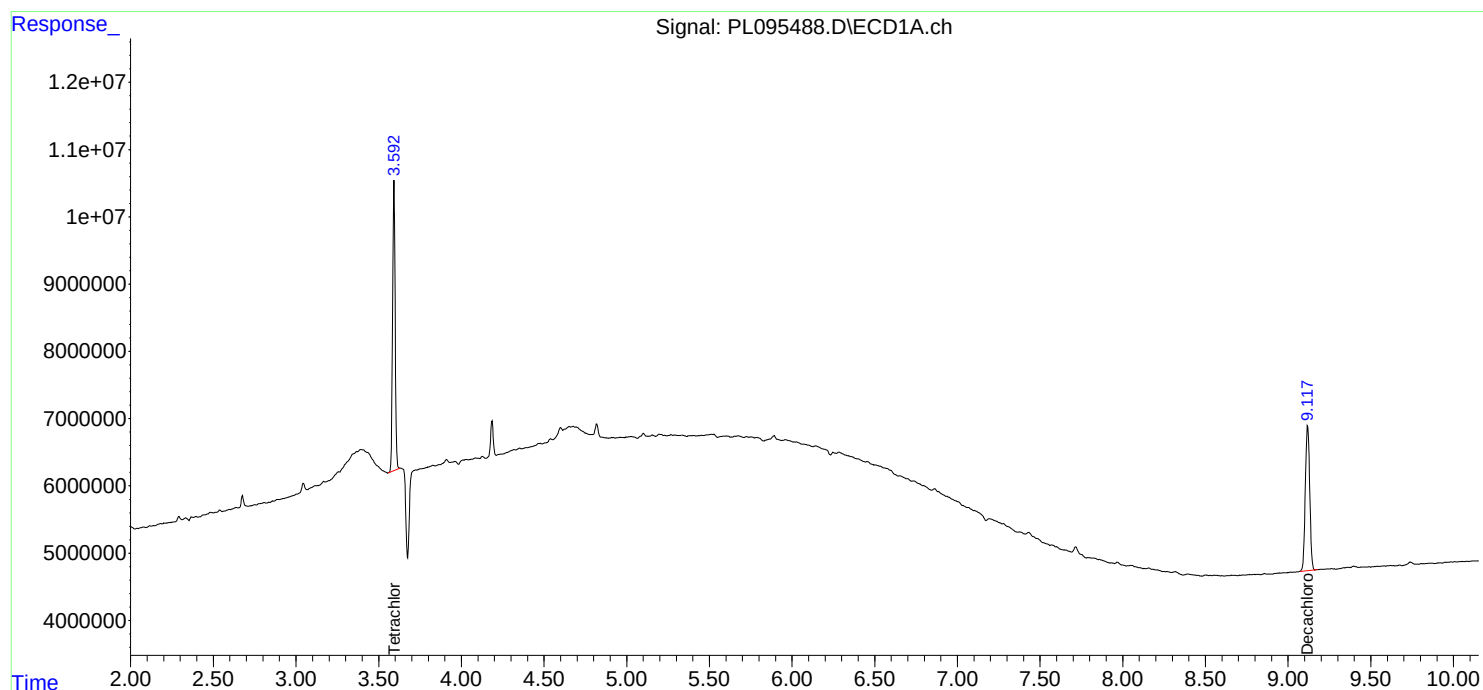
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325

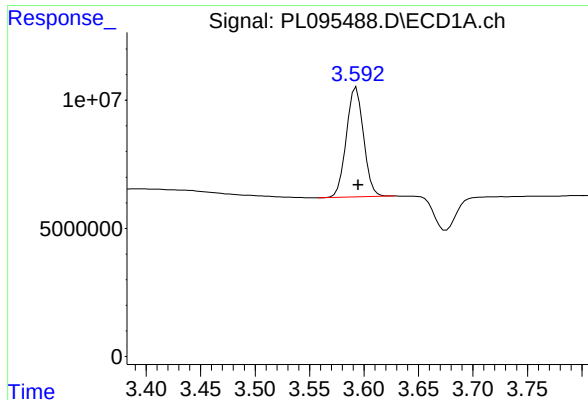
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/30/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





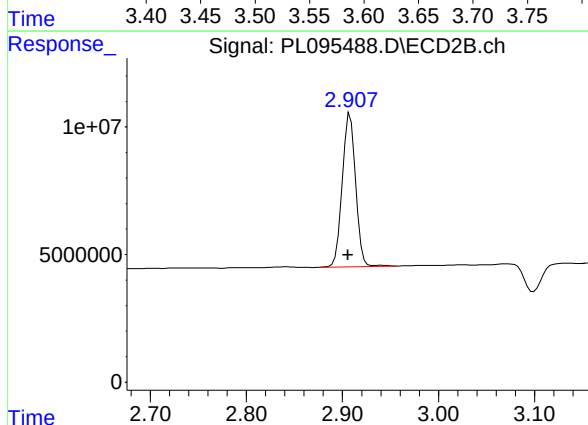
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 47053643
Conc: 14.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325

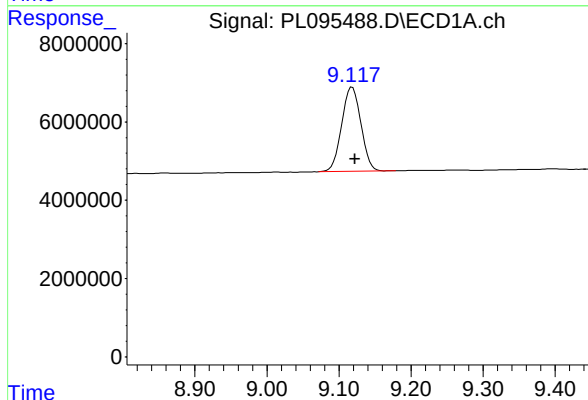
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



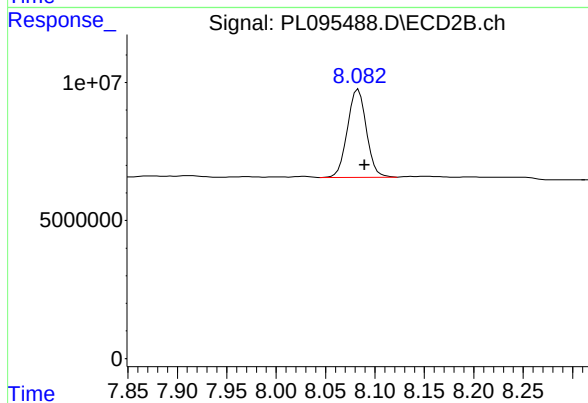
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 57612435
Conc: 18.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 39797776
Conc: 14.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 42520975
Conc: 14.37 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095489.D	1	04/28/25 09:05	04/29/25 19:56	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.00086	U	0.00019	0.00086	0.0018	mg/Kg
319-86-8	delta-BHC	0.00086	U	0.00040	0.00086	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00086	U	0.00030	0.00086	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00086	U	0.00038	0.00086	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00086	U	0.00038	0.00086	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		55 - 130		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		42 - 129		109%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-30-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.5	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095489.D	1	04/28/25 09:05	04/29/25 19:56	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:56
Operator : AR\AJ
Sample : Q1883-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-30-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	59208305	69367669	18.136	21.815
28) SA Decachlor...	9.117	8.084	56293015	57631152	20.316	19.475

Target Compounds

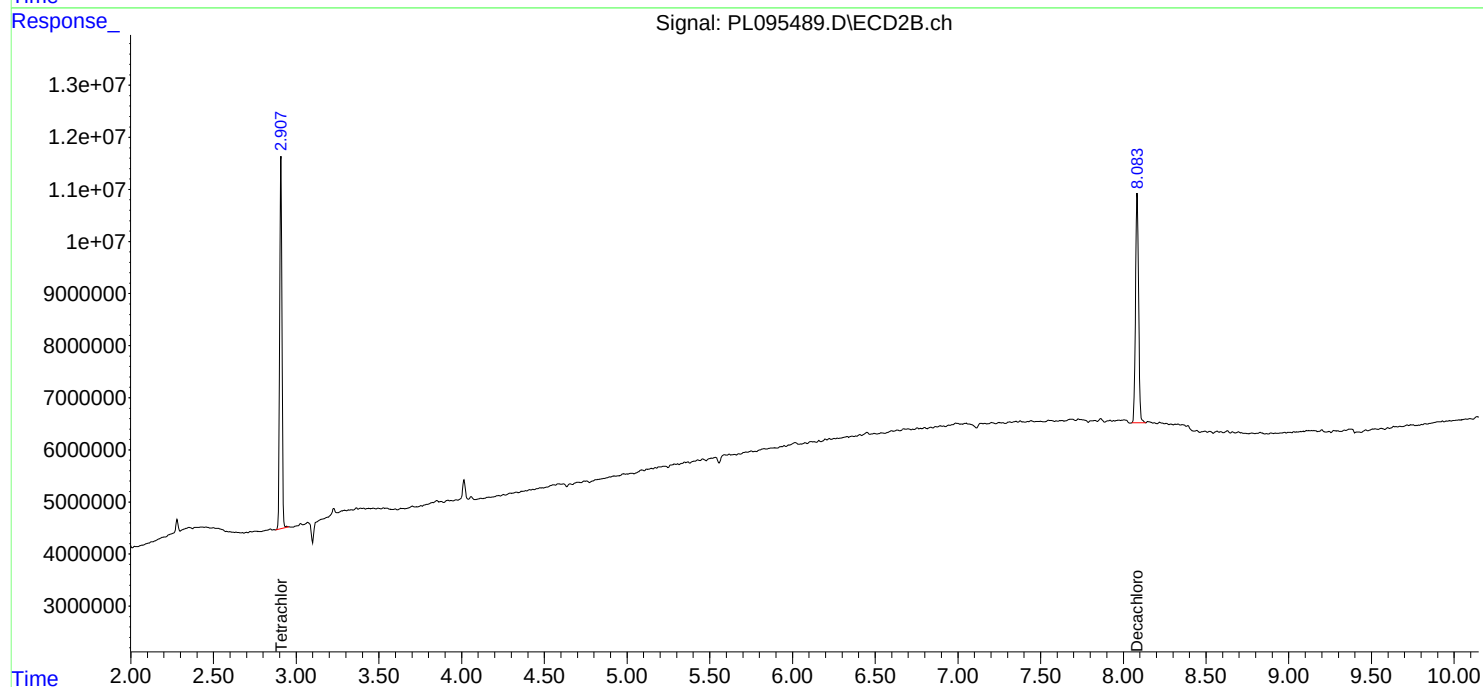
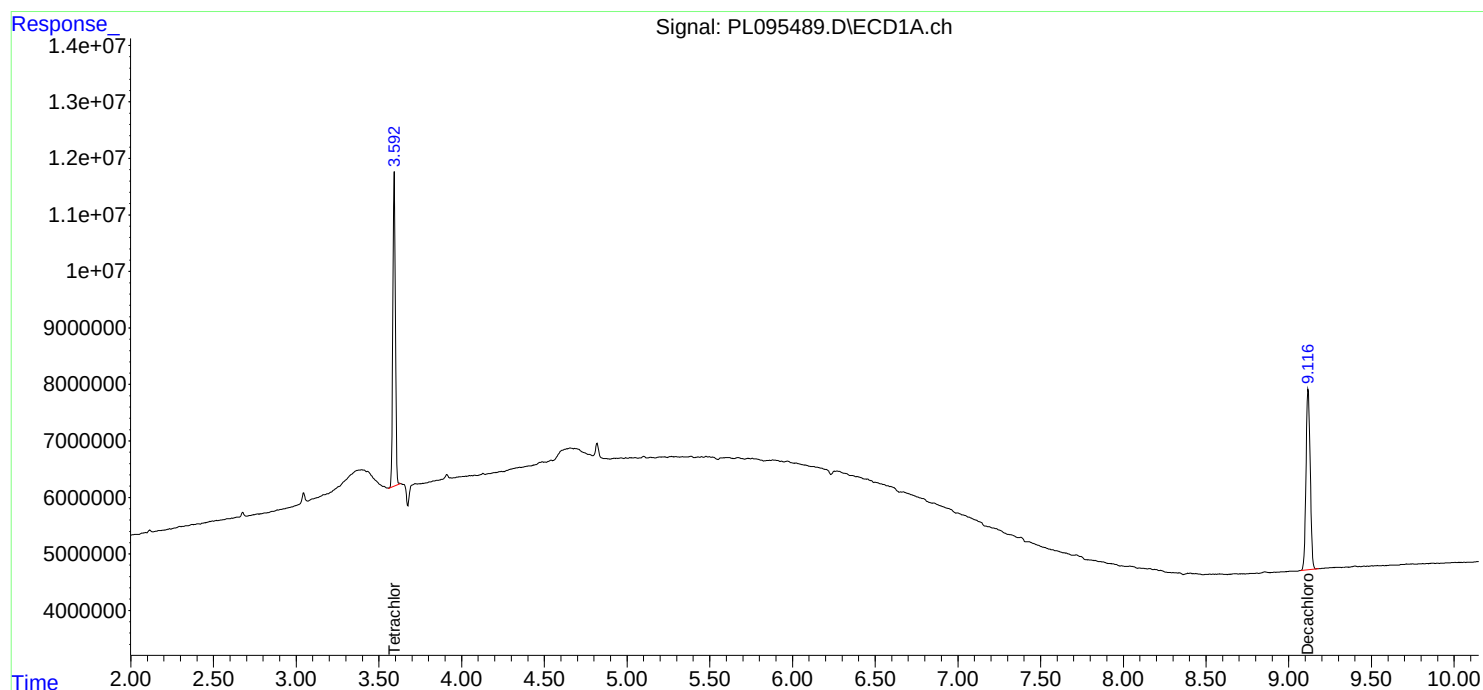
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

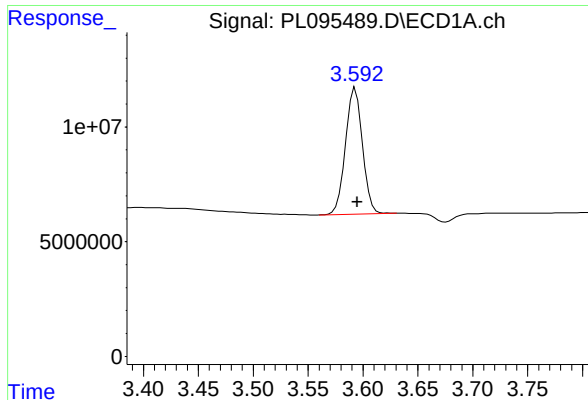
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095489.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:56
Operator : AR\AJ
Sample : Q1883-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-30-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

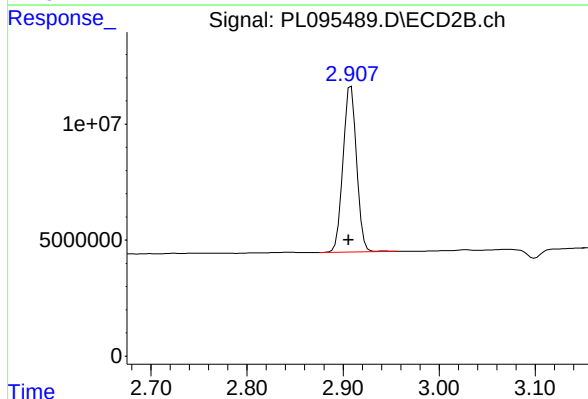




#1 Tetrachloro-m-xylene

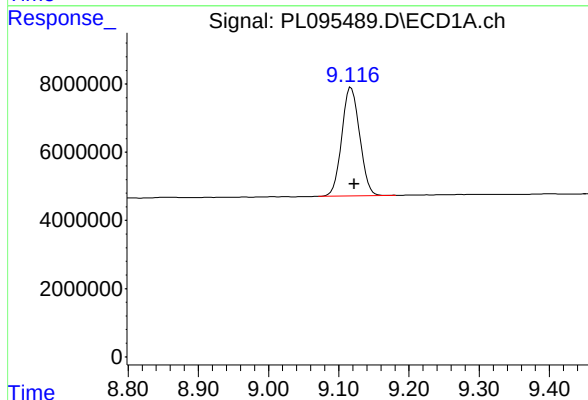
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 59208305
Conc: 18.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-30-042325



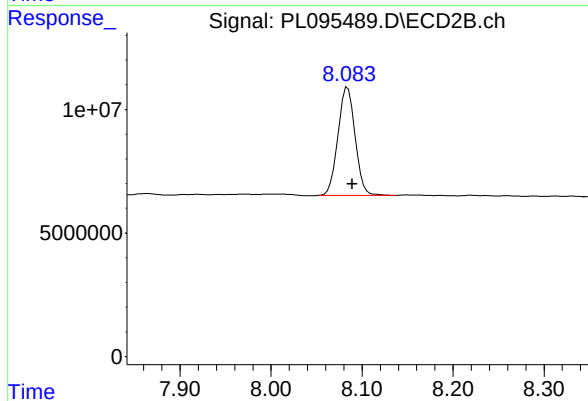
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 69367669
Conc: 21.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 56293015
Conc: 20.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.005 min
Response: 57631152
Conc: 19.47 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095490.D	1	04/28/25 09:05	04/29/25 20:10	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.00086	U	0.00019	0.00086	0.0018	mg/Kg
319-86-8	delta-BHC	0.00086	U	0.00040	0.00086	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00086	U	0.00030	0.00086	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00086	U	0.00038	0.00086	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00086	U	0.00038	0.00086	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	U	0.00012	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.9		55 - 130		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		42 - 129		107%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-31-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.9	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095490.D	1	04/28/25 09:05	04/29/25 20:10	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:10
Operator : AR\AJ
Sample : Q1883-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-31-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.905	62471318	68321066	19.136	21.486
28) SA Decachlor...	9.119	8.083	57896849	59389446	20.895	20.069

Target Compounds

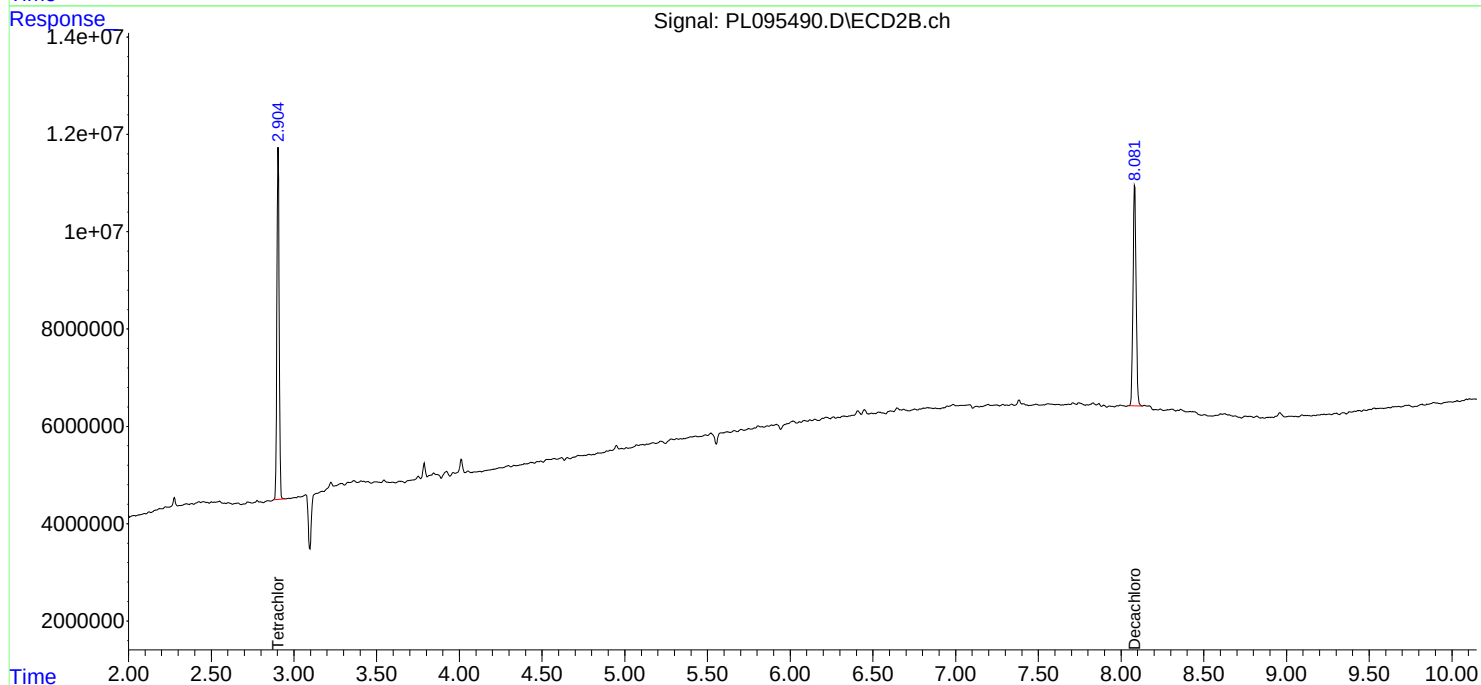
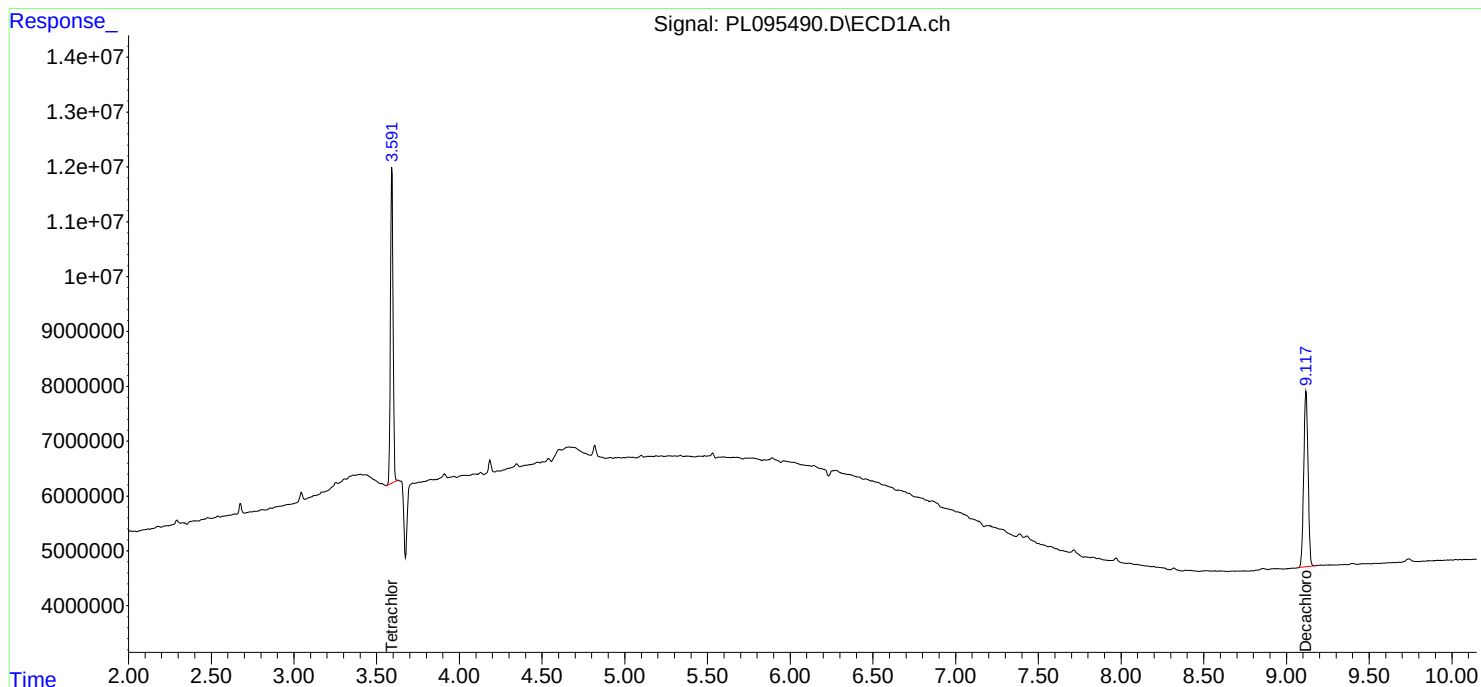
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

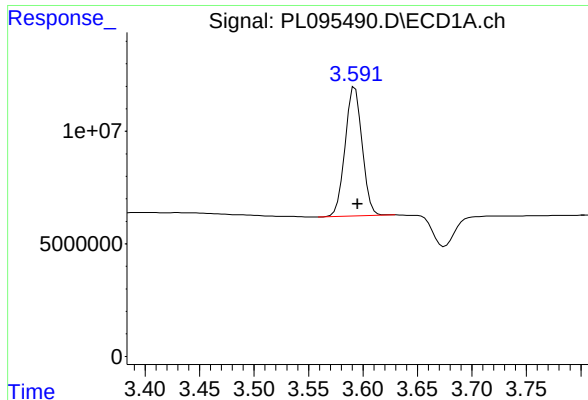
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095490.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:10
Operator : AR\AJ
Sample : Q1883-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-31-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

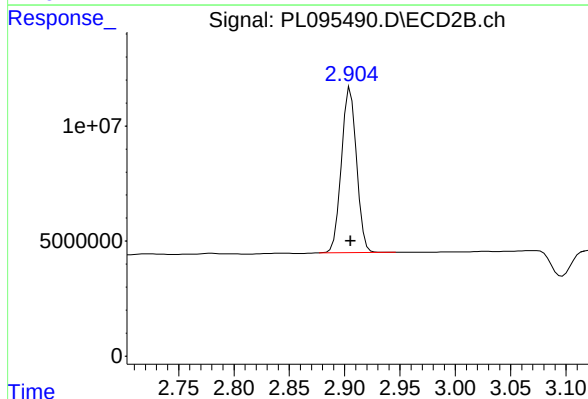




#1 Tetrachloro-m-xylene

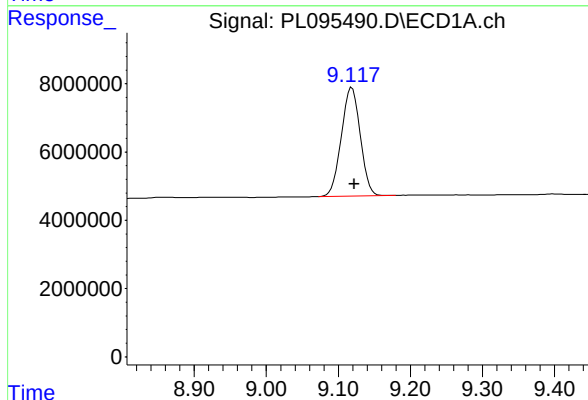
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62471318
Conc: 19.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-31-042325



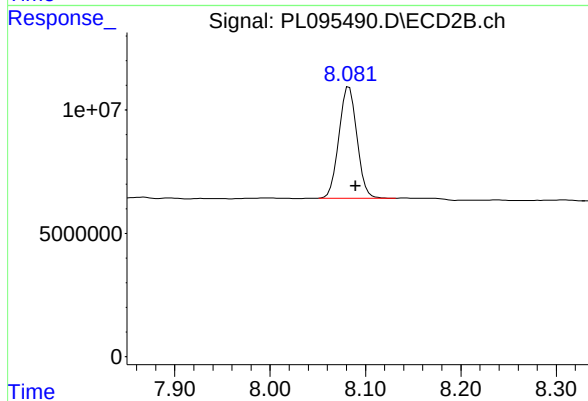
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 68321066
Conc: 21.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.003 min
Response: 57896849
Conc: 20.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 59389446
Conc: 20.07 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095491.D	1	04/28/25 09:05	04/29/25 20:24	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00034	U	0.00013	0.00034	0.0017	mg/Kg
319-85-7	beta-BHC	0.00085	U	0.00018	0.00085	0.0017	mg/Kg
319-86-8	delta-BHC	0.00085	U	0.00040	0.00085	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
76-44-8	Heptachlor	0.00034	U	0.00012	0.00034	0.0017	mg/Kg
309-00-2	Aldrin	0.00034	U	0.00012	0.00034	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00085	U	0.00020	0.00085	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
60-57-1	Dieldrin	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
72-20-8	Endrin	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00085	U	0.00030	0.00085	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00034	U	0.00015	0.00034	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00034	U	0.00013	0.00034	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00034	U	0.00014	0.00034	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00085	U	0.00038	0.00085	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00085	U	0.00020	0.00085	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00085	U	0.00038	0.00085	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	U	0.00012	0.00034	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00034	U	0.00015	0.00034	0.0017	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.2		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		42 - 129		105%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-PCS-TC-32-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-11		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	97.3	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095491.D	1	04/28/25 09:05	04/29/25 20:24	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:24
Operator : AR\AJ
Sample : Q1883-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-32-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.906	57695892	66860340	17.673	21.027
28) SA Decachlor...	9.119	8.083	55869676	59776327	20.164	20.200

Target Compounds

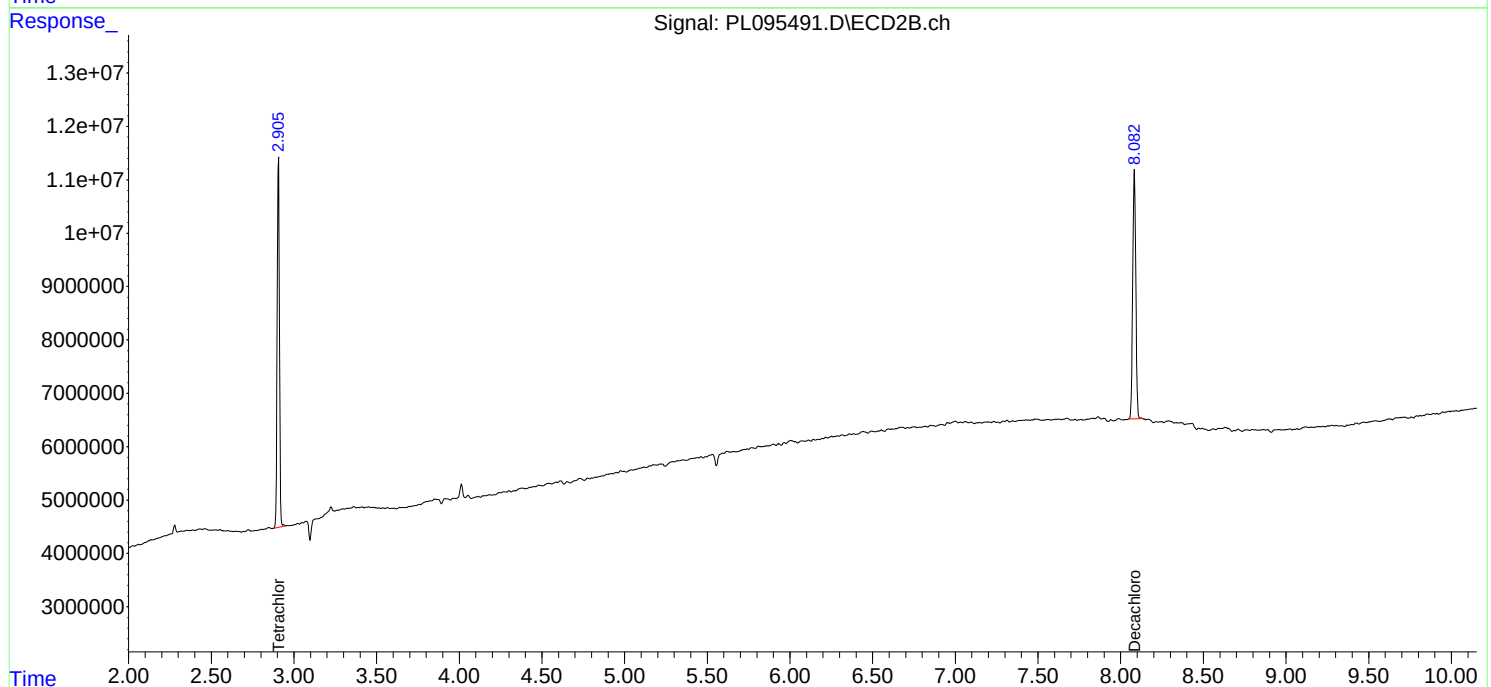
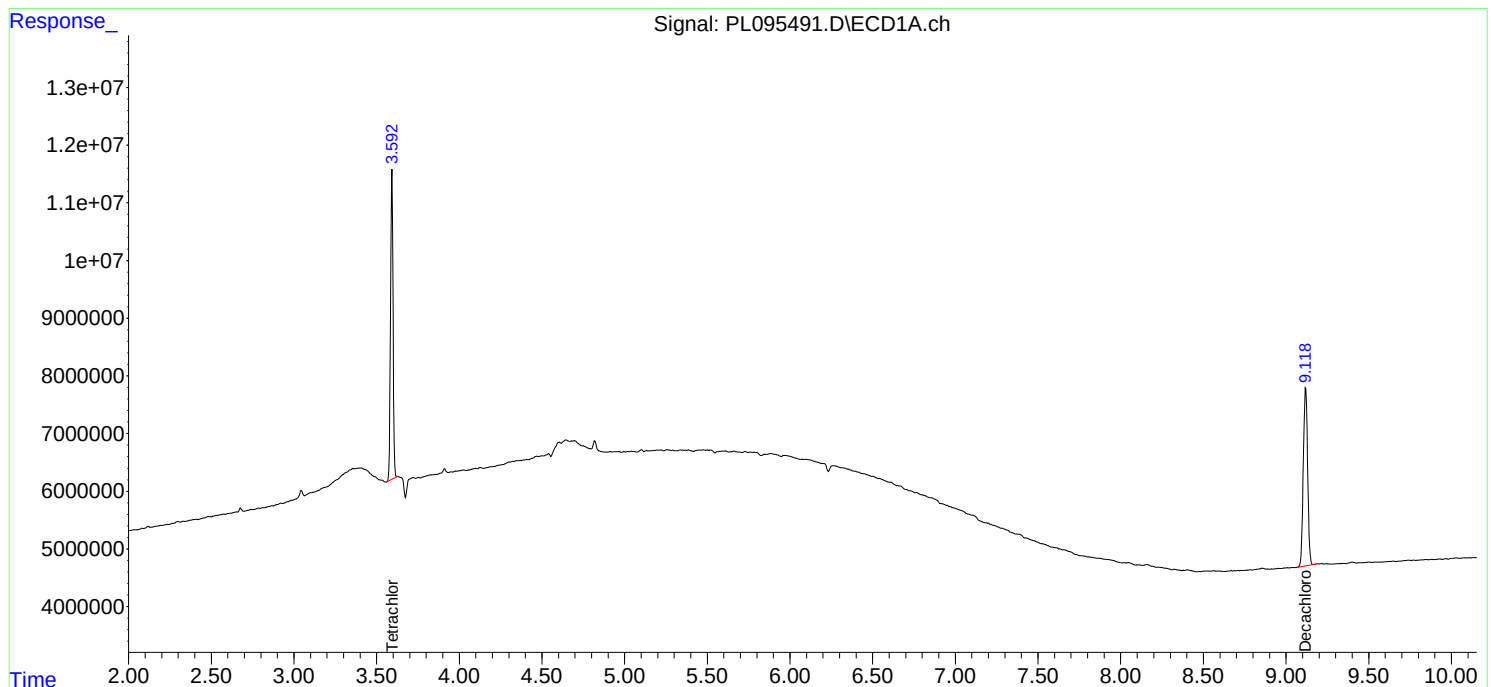
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

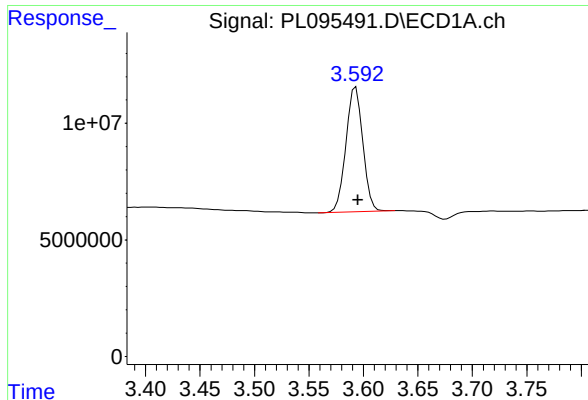
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:24
Operator : AR\AJ
Sample : Q1883-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-32-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

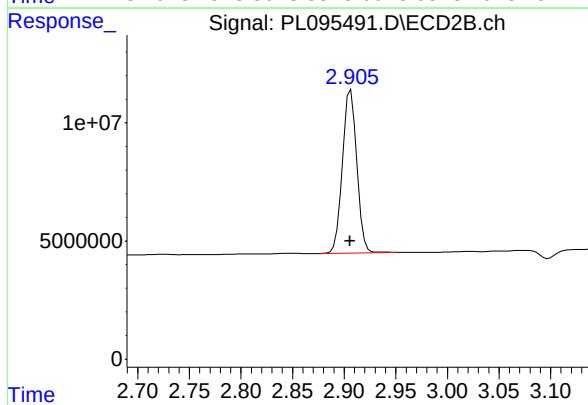




#1 Tetrachloro-m-xylene

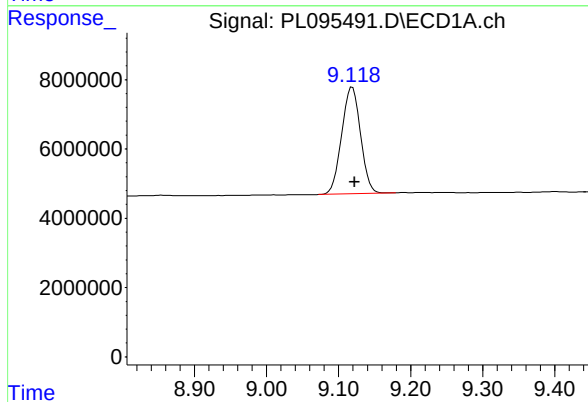
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 57695892
Conc: 17.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-32-042325



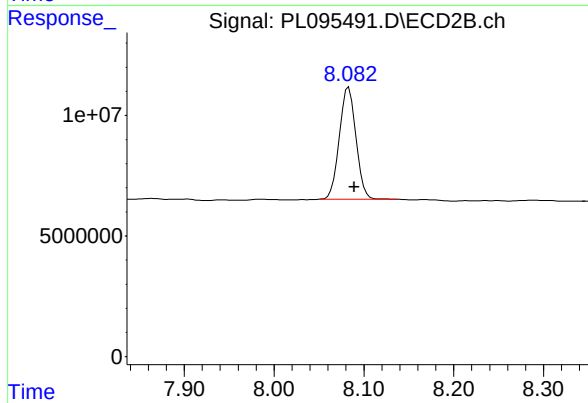
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 66860340
Conc: 21.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.003 min
Response: 55869676
Conc: 20.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 59776327
Conc: 20.20 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095492.D	1	04/28/25 09:05	04/29/25 20:38	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00088	U	0.00019	0.00088	0.0018	mg/Kg
319-86-8	delta-BHC	0.00088	U	0.00041	0.00088	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00088	U	0.00031	0.00088	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.0		55 - 130		105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		42 - 129		122%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	OU4-VSL-18-042325		SDG No.:	Q1883	
Lab Sample ID:	Q1883-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94.7	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095492.D	1	04/28/25 09:05	04/29/25 20:38	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:38
Operator : AR\AJ
Sample : Q1883-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-18-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	64608798	77376718	19.790	24.334
28) SA Decachlor...	9.119	8.084	57596791	62039836	20.787	20.965

Target Compounds

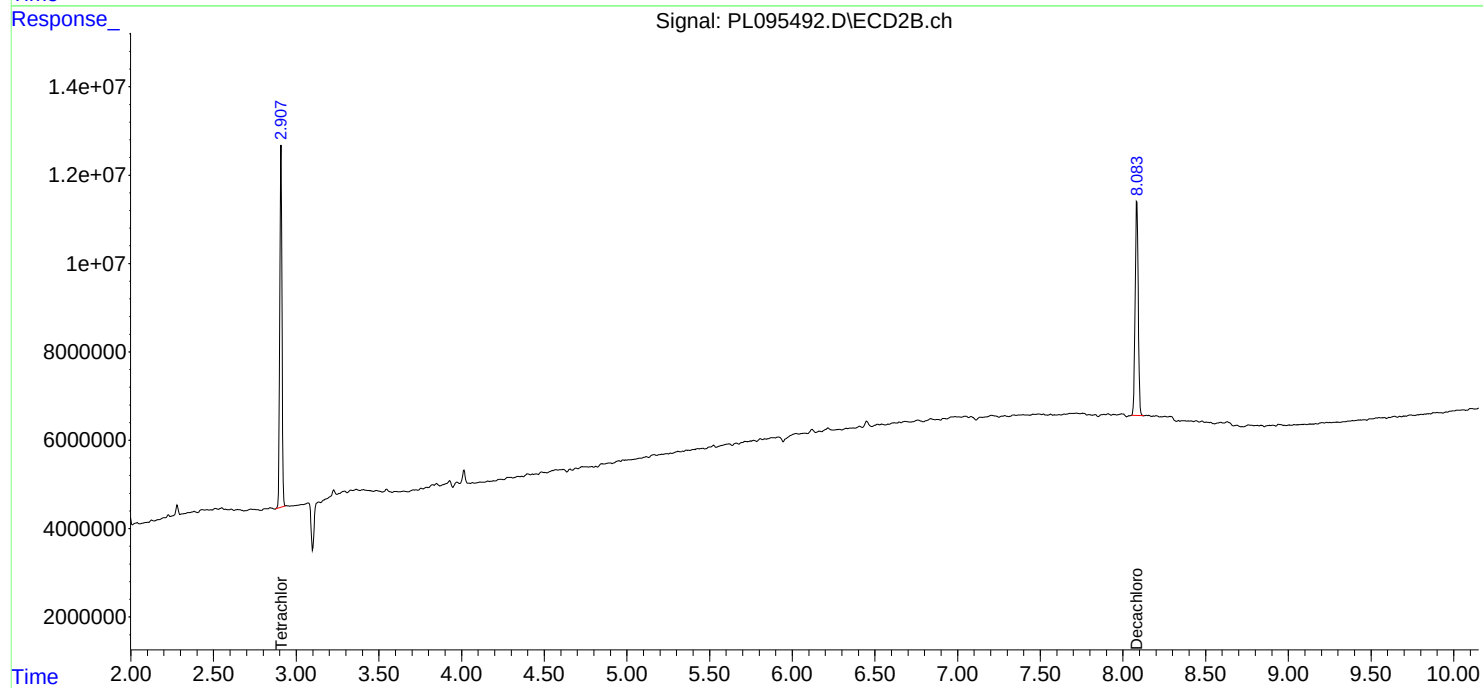
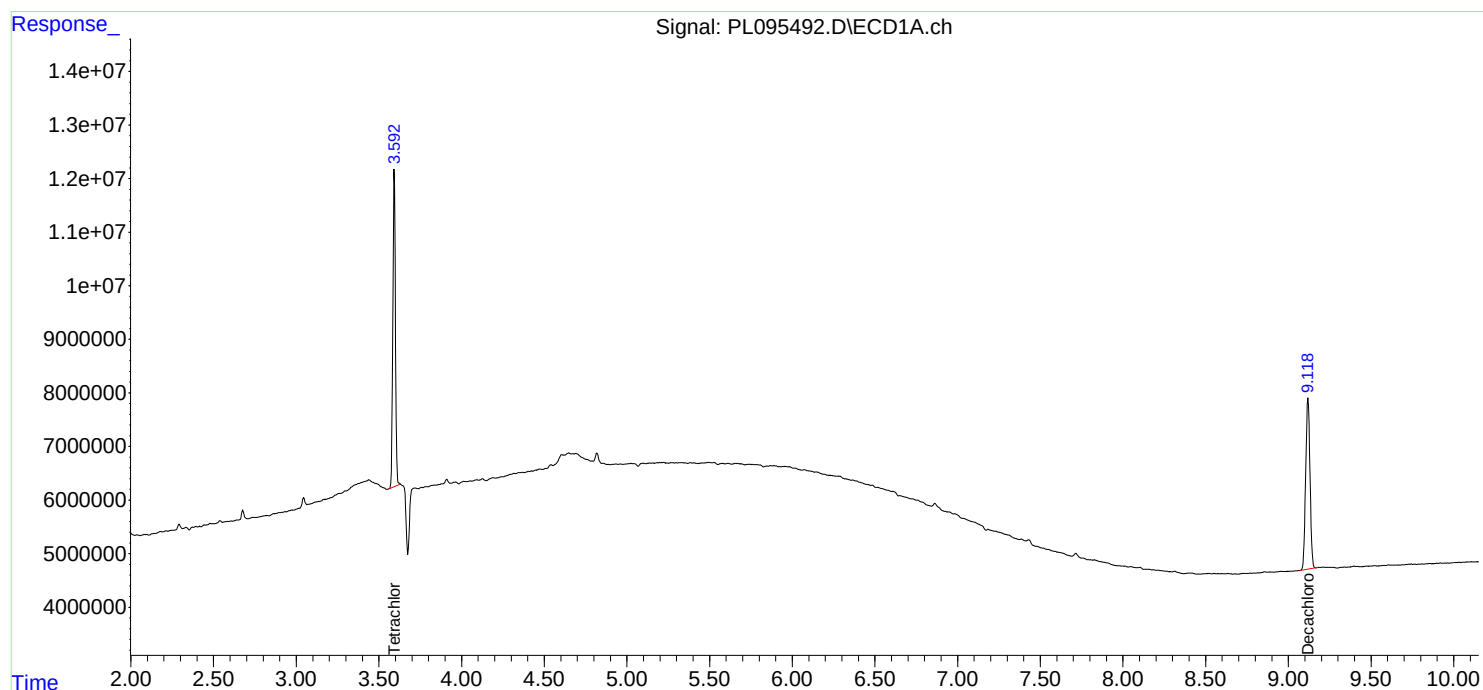
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

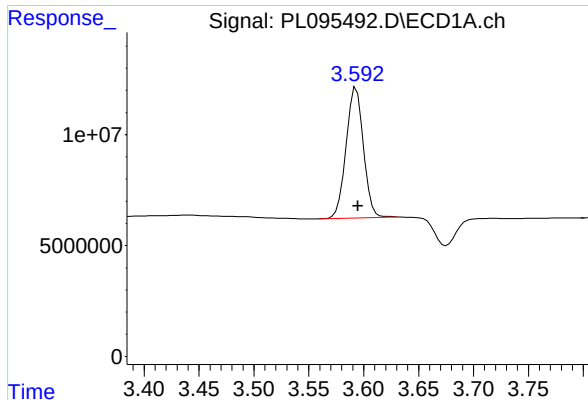
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:38
Operator : AR\AJ
Sample : Q1883-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-18-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

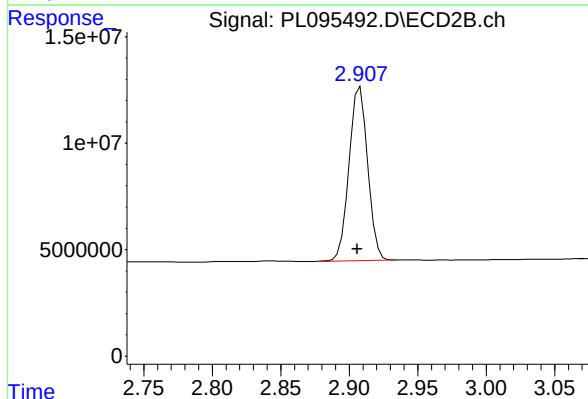




#1 Tetrachloro-m-xylene

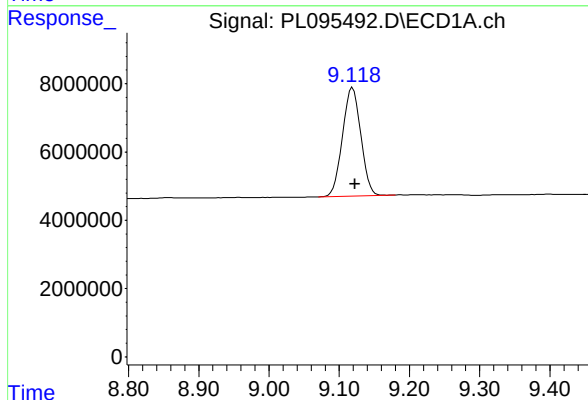
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 64608798
Conc: 19.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-18-042325



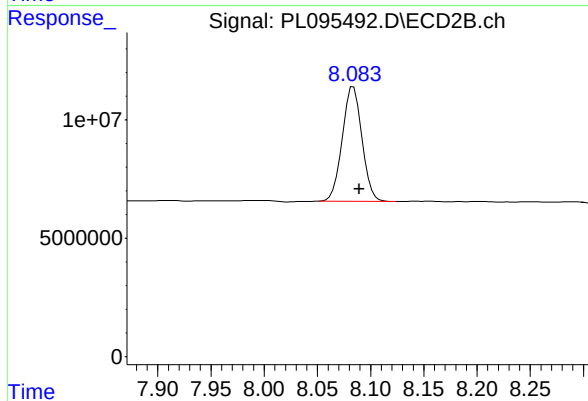
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 77376718
Conc: 24.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.003 min
Response: 57596791
Conc: 20.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 62039836
Conc: 20.96 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095493.D	1	04/28/25 09:05	04/29/25 20:51	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.00087	U	0.00019	0.00086	0.0018	mg/Kg
319-86-8	delta-BHC	0.00087	U	0.00041	0.00086	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00087	U	0.00020	0.00086	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00087	U	0.00030	0.00086	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00034	U	0.00014	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00034	U	0.00015	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00087	U	0.00039	0.00086	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00087	U	0.00020	0.00086	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00087	U	0.00039	0.00086	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00034	U	0.00013	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00034	U	0.00016	0.00034	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.5		55 - 130		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095493.D	1	04/28/25 09:05	04/29/25 20:51	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:51
Operator : AR\AJ
Sample : Q1883-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-19-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	62044690	75175634	19.005	23.642
28) SA Decachlor...	9.118	8.084	56273122	60652993	20.309	20.496

Target Compounds

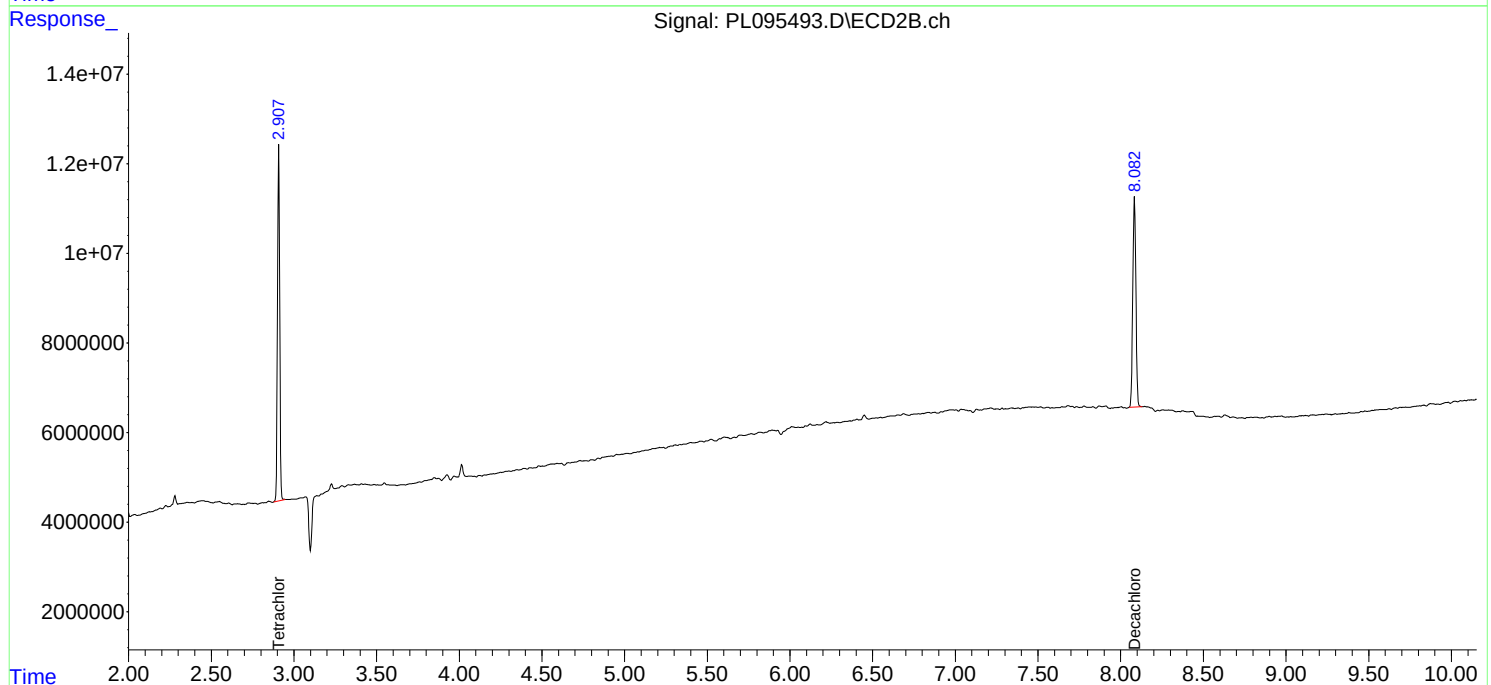
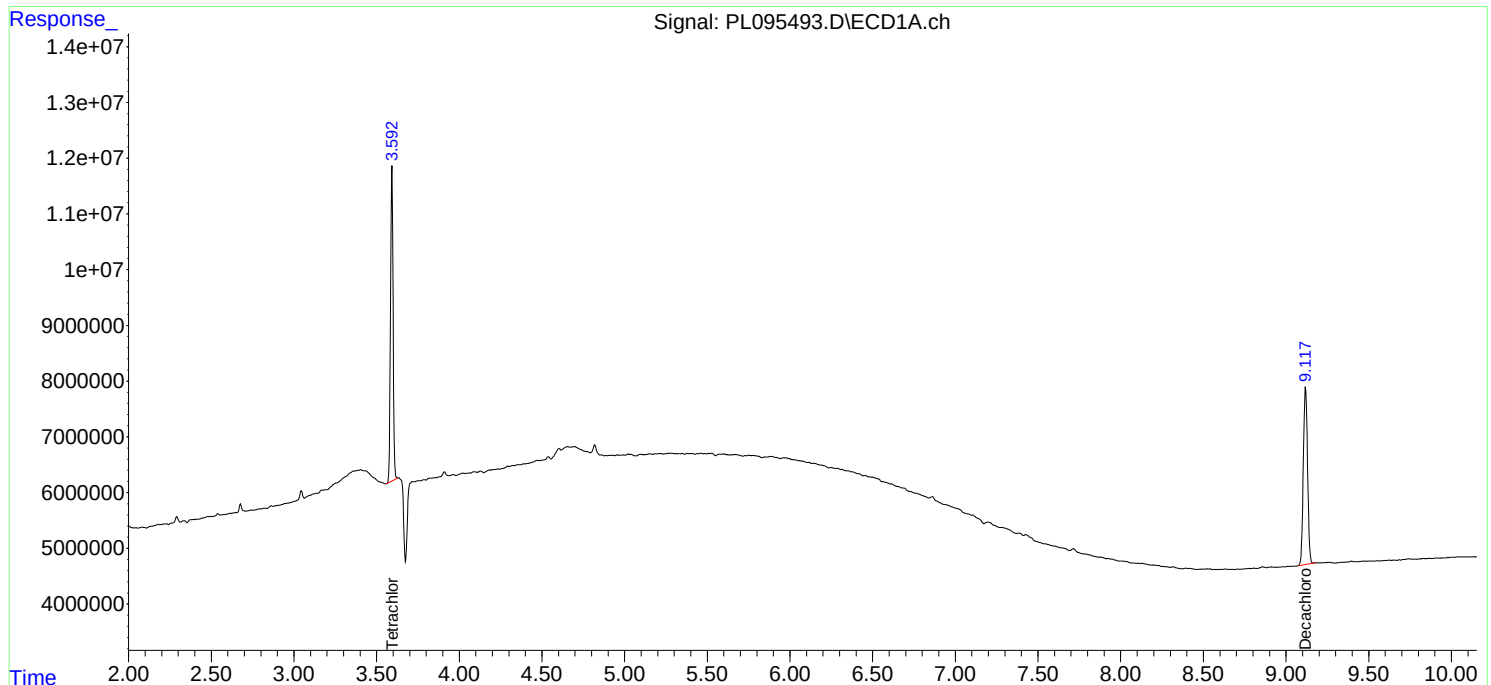
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

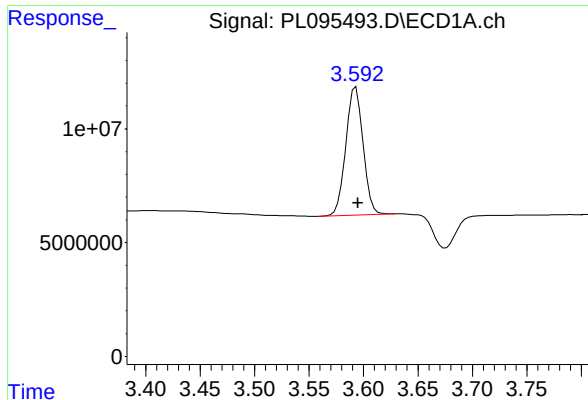
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:51
Operator : AR\AJ
Sample : Q1883-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-19-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

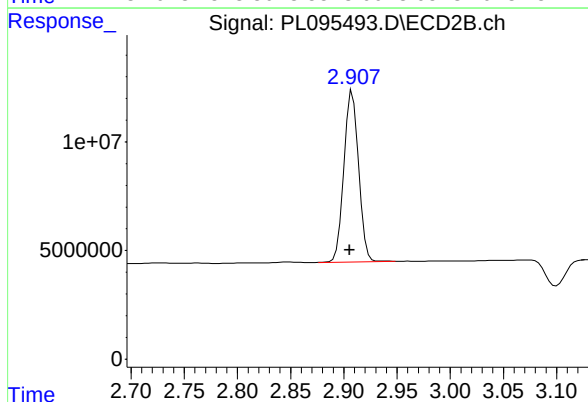




#1 Tetrachloro-m-xylene

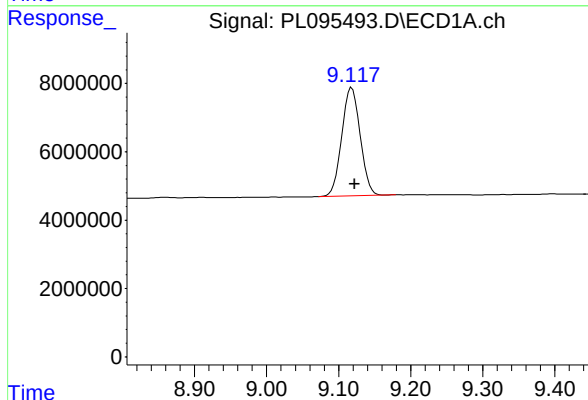
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62044690
Conc: 19.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-19-042325



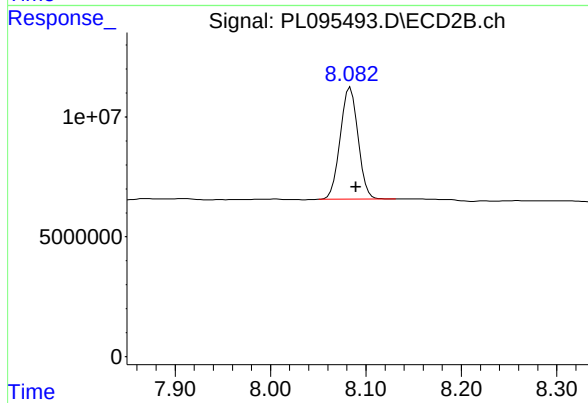
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 75175634
Conc: 23.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 56273122
Conc: 20.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 60652993
Conc: 20.50 ng/ml



CALIBRATION SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883
Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26

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

LAB FILE ID: **RT 100 =** PL095329.D **RT 075 =** PL095330.D
RT 050 = PL095331.D **RT 025 =** PL095332.D **RT 005 =** PL095333.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
4,4'-DDE	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
4,4'-DDT	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aldrin	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
alpha-BHC	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
alpha-Chlordane	6.07	6.08	6.08	6.08	6.07	6.07	5.97	6.17
beta-BHC	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Decachlorobiphenyl	9.12	9.12	9.12	9.12	9.12	9.12	9.02	9.22
delta-BHC	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Dieldrin	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endosulfan I	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endosulfan II	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Endosulfan sulfate	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Endrin	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Endrin aldehyde	6.96	6.97	6.96	6.97	6.96	6.96	6.86	7.06
Endrin ketone	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
gamma-BHC (Lindane)	4.38	4.38	4.38	4.38	4.38	4.38	4.28	4.48
gamma-Chlordane	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Heptachlor	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor epoxide	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Methoxychlor	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883
Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26

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

LAB FILE ID:	RT 100 = <u>PL095329.D</u>	RT 075 = <u>PL095330.D</u>
RT 050 = <u>PL095331.D</u>	RT 025 = <u>PL095332.D</u>	RT 005 = <u>PL095333.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
4,4'-DDE	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
4,4'-DDT	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
Aldrin	4.39	4.39	4.39	4.39	4.39	4.39	4.29	4.49
alpha-BHC	3.42	3.42	3.42	3.42	3.42	3.42	3.32	3.52
alpha-Chlordane	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
beta-BHC	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Decachlorobiphenyl	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
delta-BHC	4.28	4.28	4.28	4.28	4.28	4.28	4.18	4.38
Dieldrin	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Endosulfan I	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Endosulfan II	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Endosulfan sulfate	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Endrin	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Endrin aldehyde	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Endrin ketone	7.00	7.01	7.00	7.01	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.75	3.75	3.75	3.75	3.75	3.65	3.85
gamma-Chlordane	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Heptachlor	4.11	4.11	4.10	4.11	4.10	4.10	4.00	4.20
Heptachlor epoxide	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Methoxychlor	6.78	6.78	6.78	6.78	6.77	6.77	6.67	6.87
Tetrachloro-m-xylene	2.91	2.91	2.91	2.91	2.91	2.91	2.81	3.01

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883
Instrument ID: ECD_L
Calibration Date(s): 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26

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

LAB FILE ID:		CF 100 = <u>PL095329.D</u>		CF 075 = <u>PL095330.D</u>			
CF 050 = <u>PL095331.D</u>		CF 025 = <u>PL095332.D</u>		CF 005 = <u>PL095333.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2865080000	2820110000	2707400000	2820390000	2941790000	2830960000	3
4,4'-DDE	3926930000	3864370000	3733720000	3923550000	4154180000	3920550000	4
4,4'-DDT	2903290000	2865670000	2760290000	2861180000	2852460000	2848580000	2
Aldrin	4647840000	4586260000	4401320000	4541780000	4787920000	4593020000	3
alpha-BHC	5150700000	5065320000	4774330000	4852360000	4926030000	4953750000	3
alpha-Chlordane	4076760000	4030350000	3886010000	4083630000	4253720000	4066090000	3
beta-BHC	2022450000	2016400000	1965250000	2085680000	2247800000	2067520000	5
Decachlorobiphenyl	2647270000	2643130000	2643240000	2821430000	3098960000	2770810000	7
delta-BHC	4738070000	4633190000	4424190000	4566110000	4891850000	4650680000	4
Dieldrin	3906950000	3842890000	3678670000	3851250000	3994310000	3854810000	3
Endosulfan I	3770440000	3742230000	3626630000	3786630000	4061610000	3797510000	4
Endosulfan II	3128440000	3103520000	3002730000	3212680000	3513410000	3192160000	6
Endosulfan sulfate	2745420000	2730650000	2668320000	2842960000	3021620000	2801790000	5
Endrin	3180610000	3135010000	3029370000	3189370000	3389380000	3184750000	4
Endrin aldehyde	2276780000	2261540000	2217540000	2374650000	2473490000	2320800000	4
Endrin ketone	2808150000	2785670000	2719210000	2881190000	3060160000	2850880000	5
gamma-BHC (Lindane)	4856470000	4786000000	4549760000	4668080000	4809580000	4733980000	3
gamma-Chlordane	4124190000	4059250000	3905550000	4078750000	4229020000	4079350000	3
Heptachlor	4568820000	4531980000	4377790000	4575770000	4817970000	4574470000	3
Heptachlor epoxide	3988500000	3934340000	3801190000	4031630000	4270090000	4005150000	4
Methoxychlor	1352180000	1349600000	1330140000	1425930000	1517800000	1395130000	6
Tetrachloro-m-xylene	3234910000	3230840000	3121140000	3291160000	3445310000	3264670000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1883 **SAS No.:** Q1883 **SDG NO.:** Q1883
Instrument ID: ECD_L
Calibration Date(s): 04/23/2025 04/23/2025
Calibration Times: 11:31 12:26

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

LAB FILE ID:		CF 100 = <u>PL095329.D</u>		CF 075 = <u>PL095330.D</u>			
CF 050 = <u>PL095331.D</u>		CF 025 = <u>PL095332.D</u>		CF 005 = <u>PL095333.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3451170000	3194300000	3089420000	3267920000	3331160000	3266790000	4
4,4'-DDE	4259410000	3966100000	3865330000	4094560000	4149440000	4066970000	4
4,4'-DDT	3670140000	3377430000	3277310000	3441260000	3414750000	3436180000	4
Aldrin	4336230000	4110670000	3932000000	4090330000	4109170000	4115680000	4
alpha-BHC	4736540000	4516850000	4297240000	4349260000	4343700000	4448720000	4
alpha-Chlordane	4133620000	3862560000	3765120000	4001070000	4142940000	3981060000	4
beta-BHC	2067890000	1993150000	1943400000	2123640000	2251240000	2075870000	6
Decachlorobiphenyl	3012930000	2805190000	2819260000	3040170000	3118780000	2959270000	5
delta-BHC	4648560000	4403980000	4210640000	4308090000	4338550000	4381960000	4
Dieldrin	4236430000	3965120000	3821410000	4048720000	4263750000	4067090000	5
Endosulfan I	3807730000	3560790000	3497100000	3705930000	3730570000	3660420000	3
Endosulfan II	3698040000	3467810000	3383890000	3618180000	3787600000	3591100000	5
Endosulfan sulfate	3392490000	3183240000	3137080000	3349770000	3527070000	3317930000	5
Endrin	3800710000	3545950000	3460240000	3666780000	3729930000	3640720000	4
Endrin aldehyde	2674690000	2521940000	2472880000	2646040000	2750240000	2613160000	4
Endrin ketone	3628850000	3413660000	3354790000	3555450000	3653710000	3521290000	4
gamma-BHC (Lindane)	4631690000	4416100000	4228420000	4346320000	4368600000	4398230000	3
gamma-Chlordane	4227760000	3927530000	3820020000	4050010000	4238020000	4052670000	5
Heptachlor	4496590000	4284140000	4154420000	4363150000	4485210000	4356700000	3
Heptachlor epoxide	3969410000	3758210000	3669420000	3887920000	4028340000	3862660000	4
Methoxychlor	1917900000	1805540000	1811740000	1949450000	2052510000	1907430000	5
Tetrachloro-m-xylene	3206620000	3119570000	3030900000	3186820000	3354850000	3179750000	4



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Instrument ID: ECD_L Date(s) Analyzed: 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.29	6.19	6.39	28235200
		2	6.49	6.39	6.59	39421500
		3	7.10	7.00	7.20	96309000
		4	7.19	7.09	7.29	70316900
		5	7.97	7.87	8.07	49098200



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Instrument ID: ECD_L Date(s) Analyzed: 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.17	5.07	5.27	24602200
		2	5.49	5.39	5.59	23566500
		3	5.85	5.75	5.95	25599600
		4	6.77	6.67	6.87	76845100
		5	7.21	7.11	7.31	55473400

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:31
 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: Apr 23 12:29:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 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...	3.595	2.906	323.5E6	320.7E6	101.790	102.817
28)	SA Decachlor...	9.123	8.089	264.7E6	301.3E6	100.076	103.321
Target Compounds							
2)	A alpha-BHC	4.046	3.416	515.1E6	473.7E6	103.792	104.863
3)	MA gamma-BHC...	4.378	3.750	485.6E6	463.2E6	103.261	104.552
4)	MA Heptachlor	4.976	4.105	456.9E6	449.7E6	102.135	103.955
5)	MB Aldrin	5.318	4.390	464.8E6	433.6E6	102.724	104.889
6)	B beta-BHC	4.563	4.043	202.2E6	206.8E6	101.434	103.103
7)	B delta-BHC	4.812	4.280	473.8E6	464.9E6	103.426	104.943
8)	B Heptachlo...	5.739	4.893	398.8E6	396.9E6	102.405	103.927
9)	A Endosulfan I	6.122	5.266	377.0E6	380.8E6	101.944	104.252
10)	B gamma-Chl...	5.993	5.146	412.4E6	422.8E6	102.723	105.067
11)	B alpha-Chl...	6.074	5.210	407.7E6	413.4E6	102.396	104.665
12)	B 4,4'-DDE	6.243	5.397	392.7E6	425.9E6	102.522	104.850
13)	MA Dieldrin	6.395	5.532	390.7E6	423.6E6	103.009	105.151
14)	MA Endrin	6.623	5.807	318.1E6	380.1E6	102.435	104.689
15)	B Endosulfa...	6.835	6.097	312.8E6	369.8E6	102.050	104.436
16)	A 4,4'-DDD	6.753	5.949	286.5E6	345.1E6	102.830	105.531
17)	MA 4,4'-DDT	7.068	6.204	290.3E6	367.0E6	102.525	105.654
18)	B Endrin al...	6.964	6.275	227.7E6	267.5E6	101.318	103.921
19)	B Endosulfa...	7.197	6.498	274.5E6	339.2E6	101.424	103.912
20)	A Methoxychlor	7.540	6.775	135.2E6	191.8E6	100.822	102.846
21)	B Endrin ke...	7.679	7.004	280.8E6	362.9E6	101.609	103.924
22)	Mirex	8.161	7.201	221.4E6	287.9E6	99.567	102.890

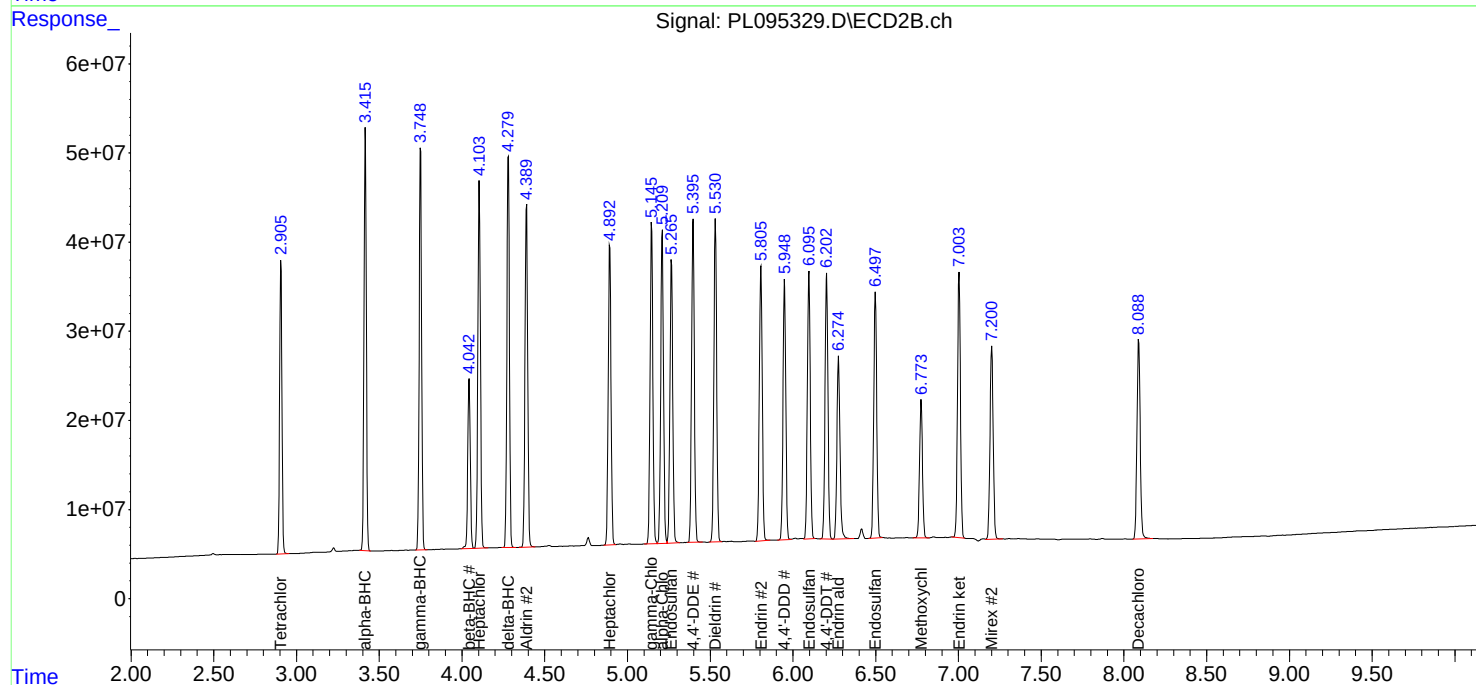
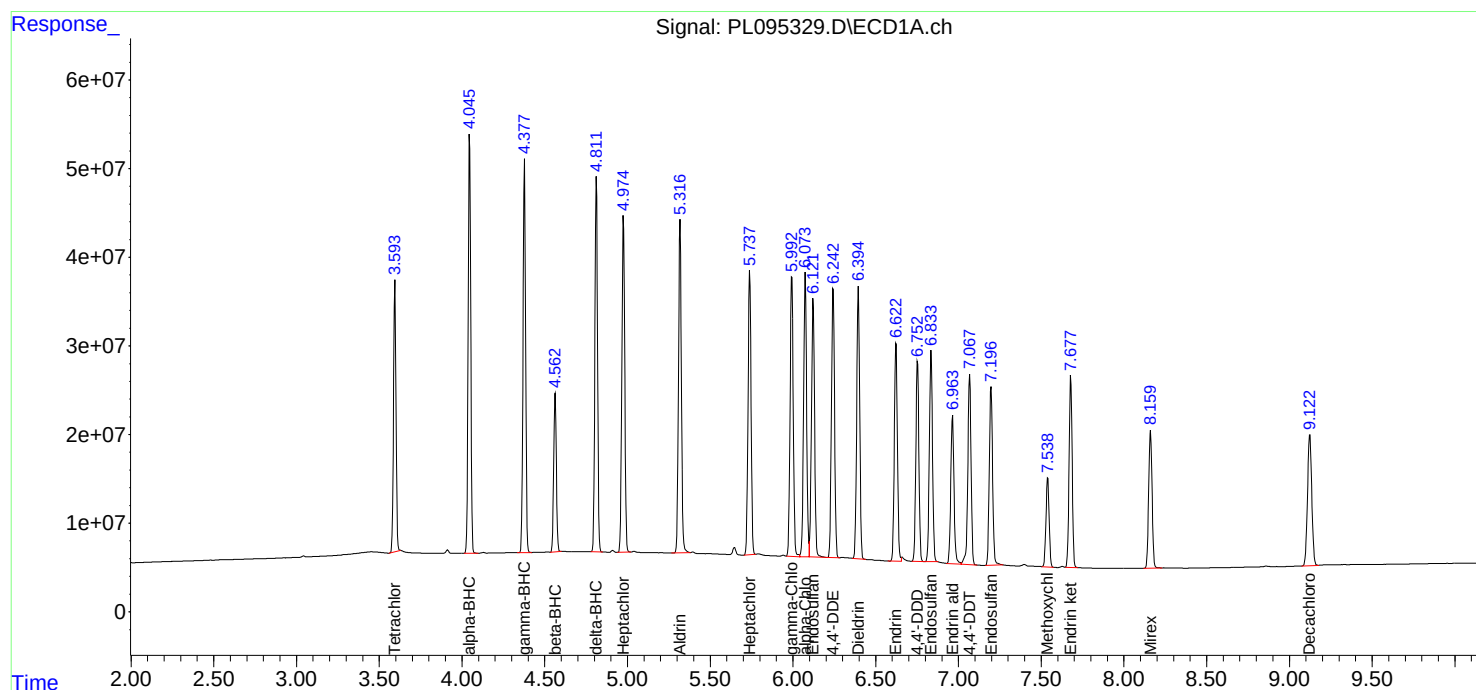
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

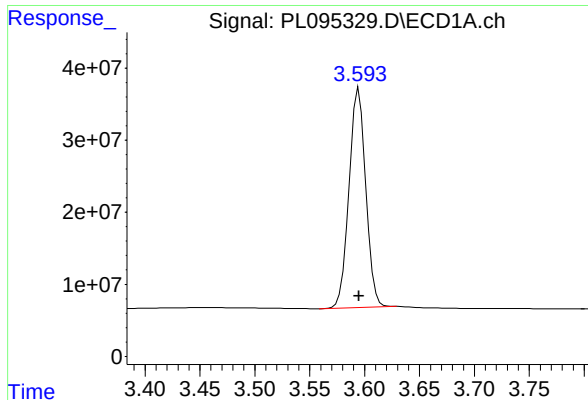
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:29:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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

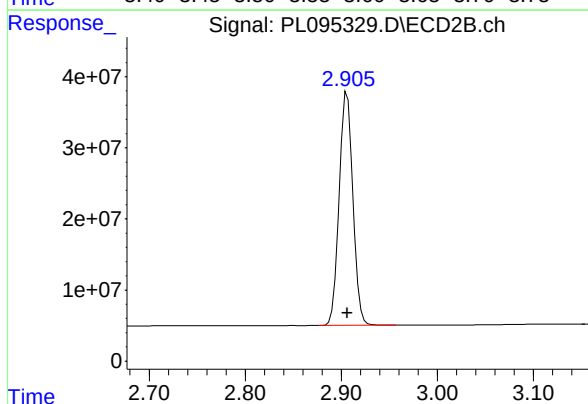




#1 Tetrachloro-m-xylene

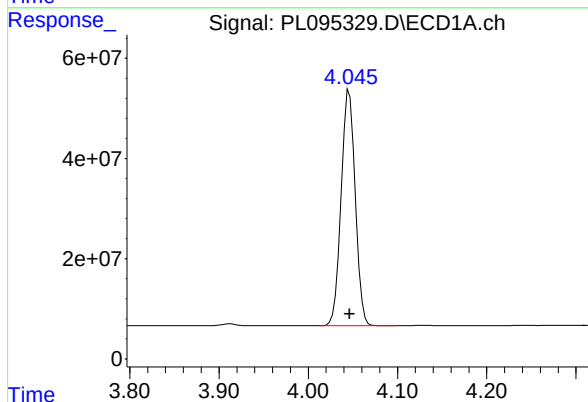
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 323491125
Conc: 101.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



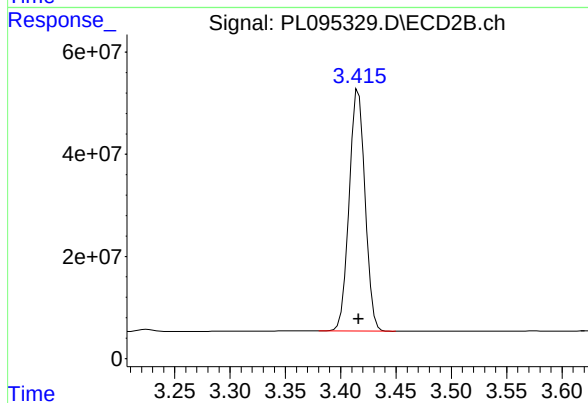
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 320661815
Conc: 102.82 ng/ml



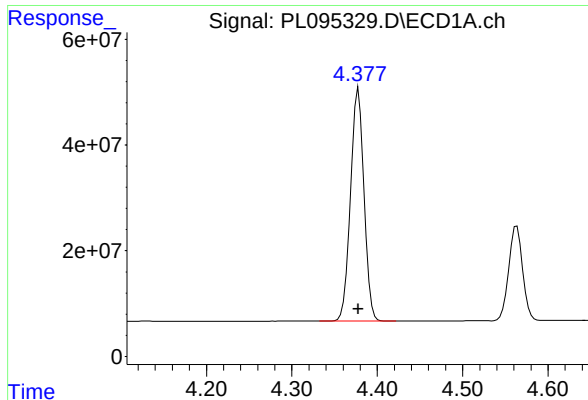
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 515070430
Conc: 103.79 ng/ml



#2 alpha-BHC

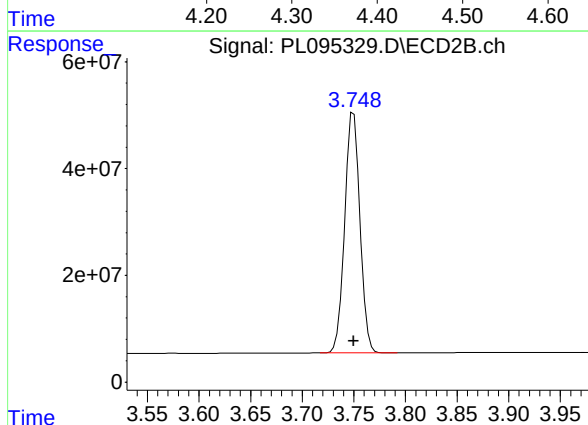
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 473654475
Conc: 104.86 ng/ml



#3 gamma-BHC (Lindane)

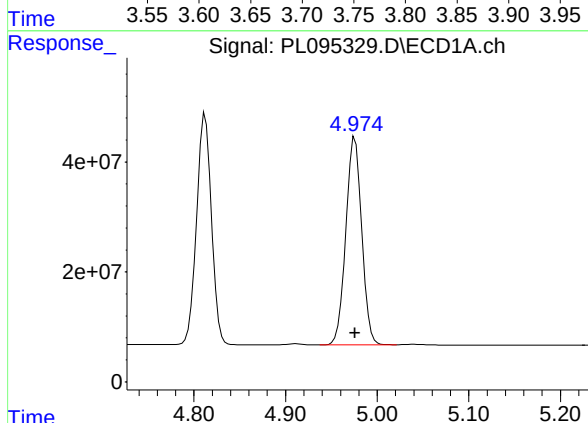
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 485646578
Conc: 103.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



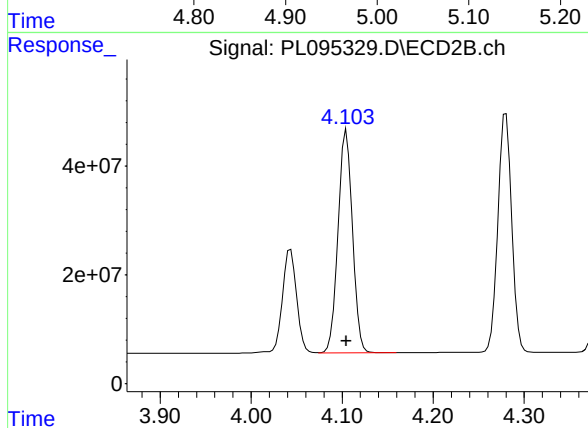
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 463168586
Conc: 104.55 ng/ml



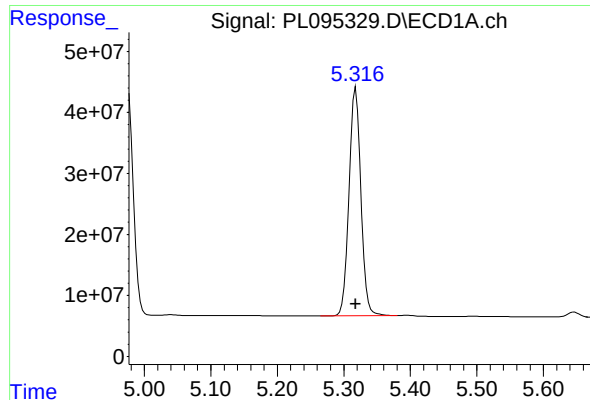
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 456881987
Conc: 102.14 ng/ml



#4 Heptachlor

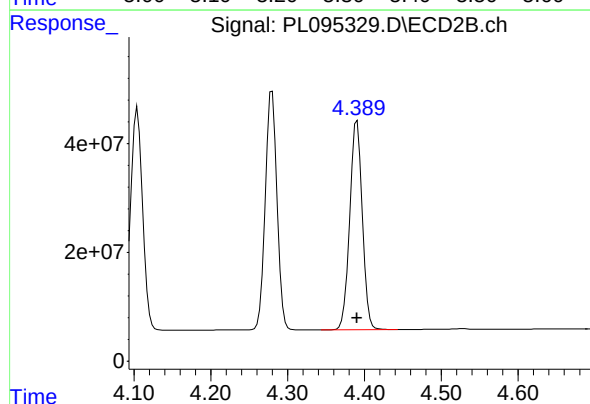
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 449658556
Conc: 103.96 ng/ml



#5 Aldrin

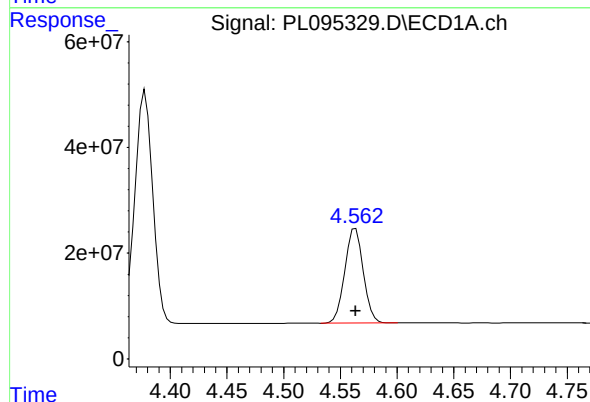
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 464783691
Conc: 102.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



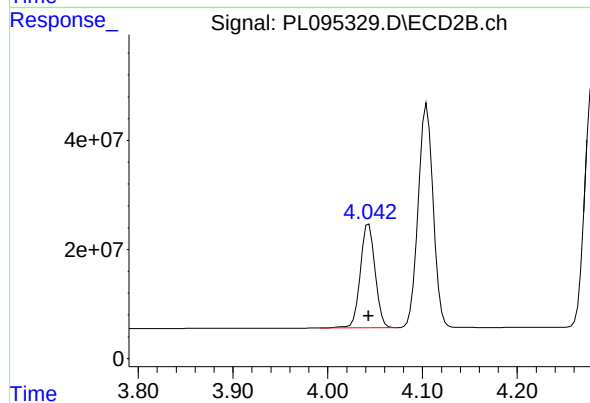
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 433622988
Conc: 104.89 ng/ml



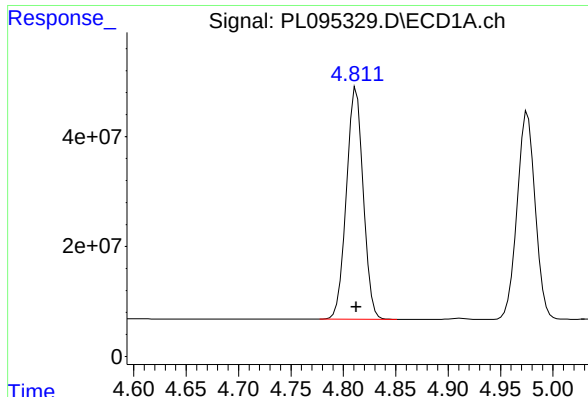
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 202245248
Conc: 101.43 ng/ml



#6 beta-BHC

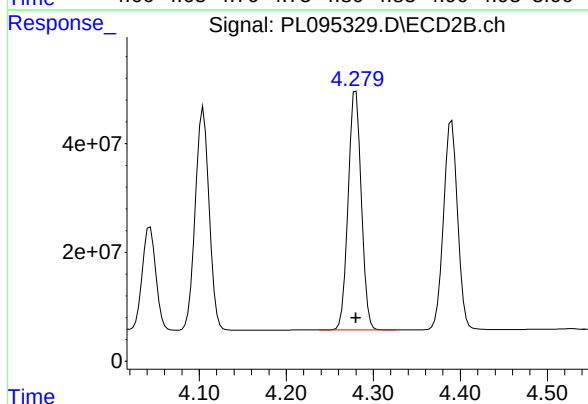
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 206788694
Conc: 103.10 ng/ml



#7 delta-BHC

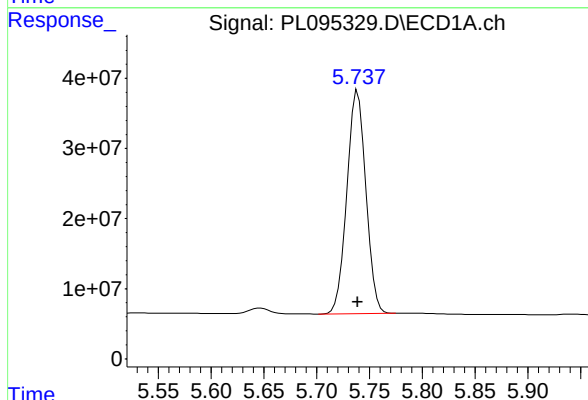
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 473807061
Conc: 103.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



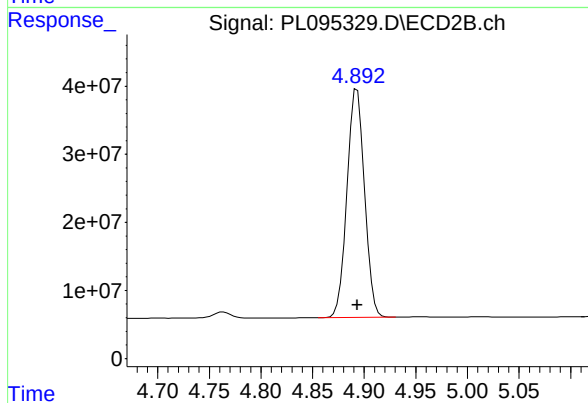
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 464855530
Conc: 104.94 ng/ml



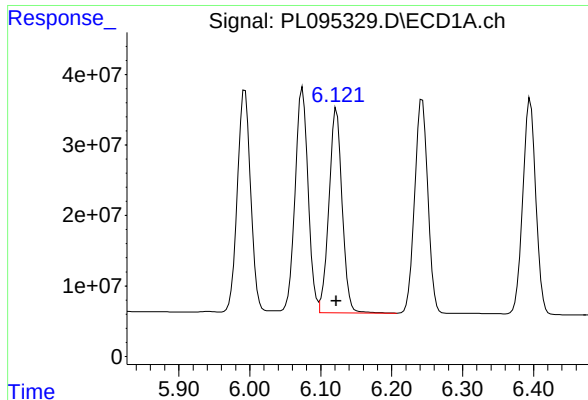
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 398849731
Conc: 102.40 ng/ml



#8 Heptachlor epoxide

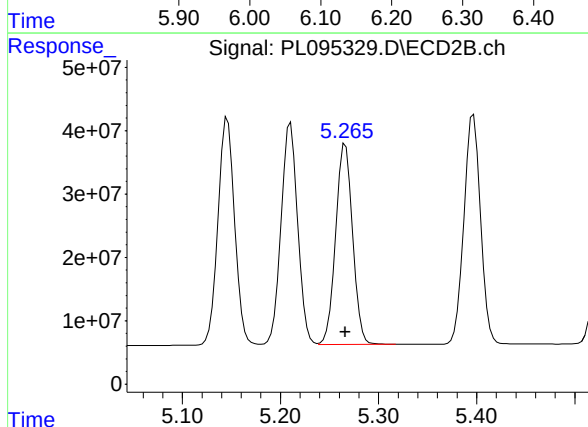
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 396941132
Conc: 103.93 ng/ml



#9 Endosulfan I

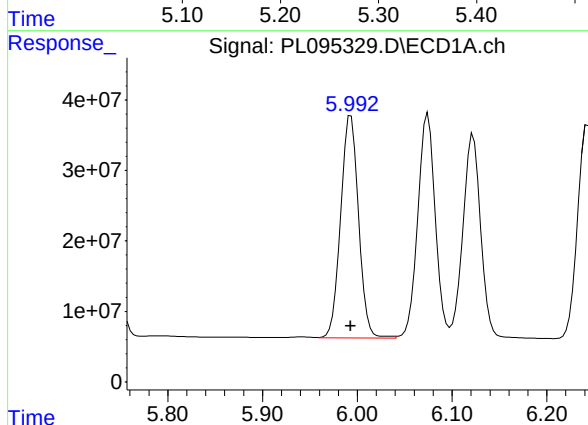
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 377044280
Conc: 101.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



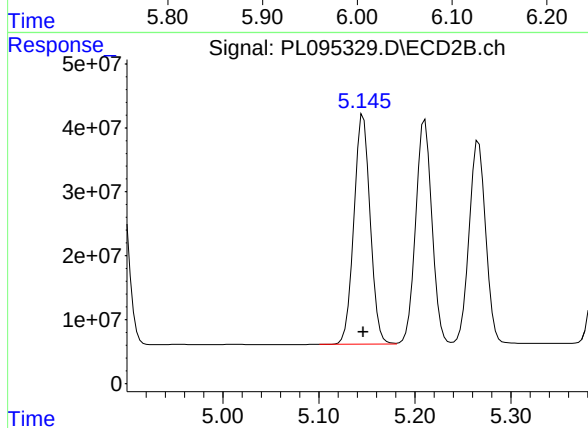
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 380773241
Conc: 104.25 ng/ml



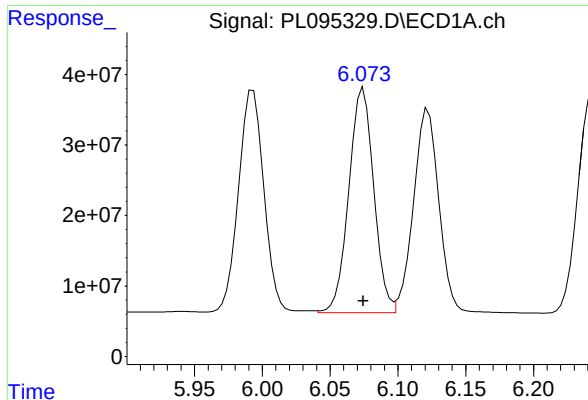
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 412419220
Conc: 102.72 ng/ml



#10 gamma-Chlordane

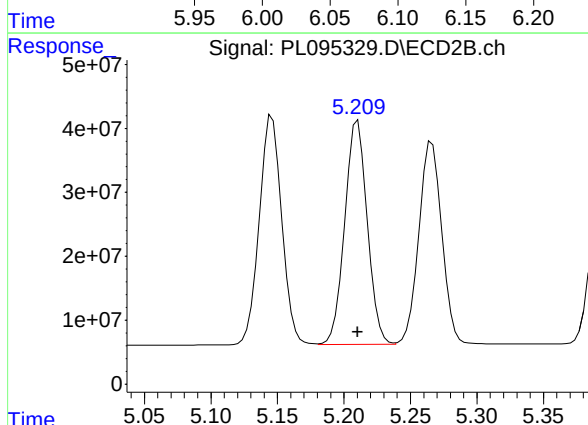
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 422776294
Conc: 105.07 ng/ml



#11 alpha-Chlordane

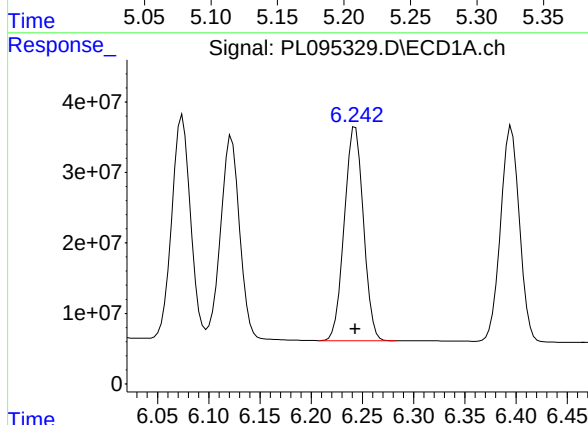
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 407676371
Conc: 102.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



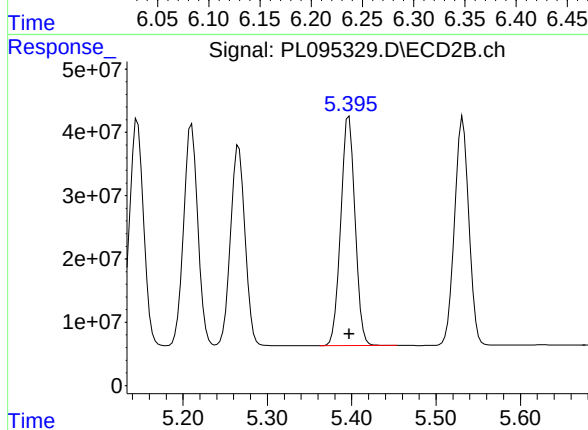
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 413362305
Conc: 104.67 ng/ml



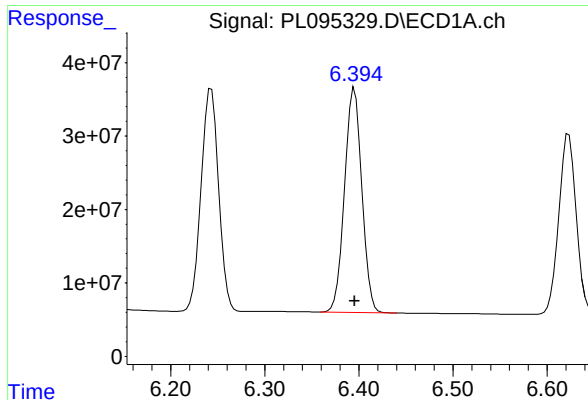
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 392693208
Conc: 102.52 ng/ml



#12 4,4'-DDE

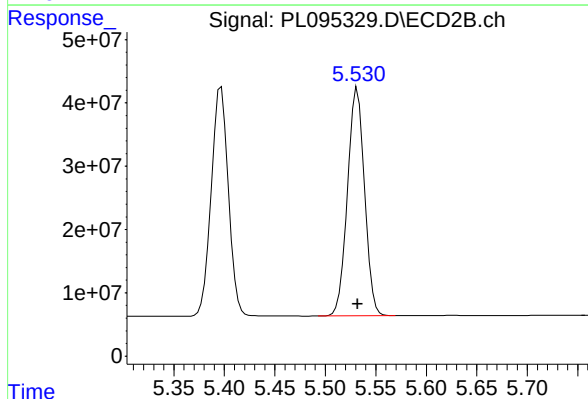
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 425941388
Conc: 104.85 ng/ml



#13 Dieldrin

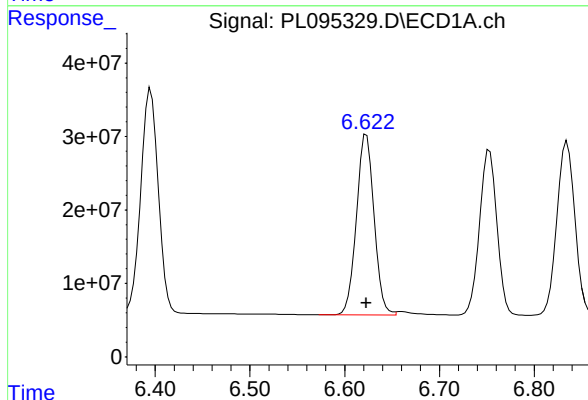
R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 390695114
Conc: 103.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



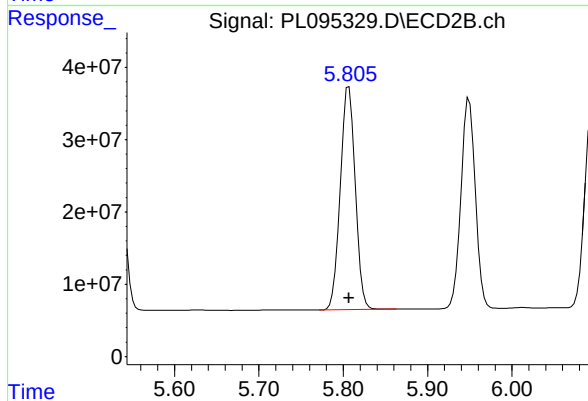
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 423643266
Conc: 105.15 ng/ml



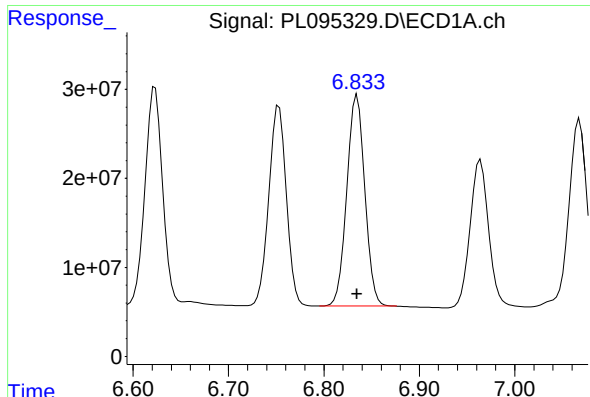
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 318061123
Conc: 102.44 ng/ml



#14 Endrin

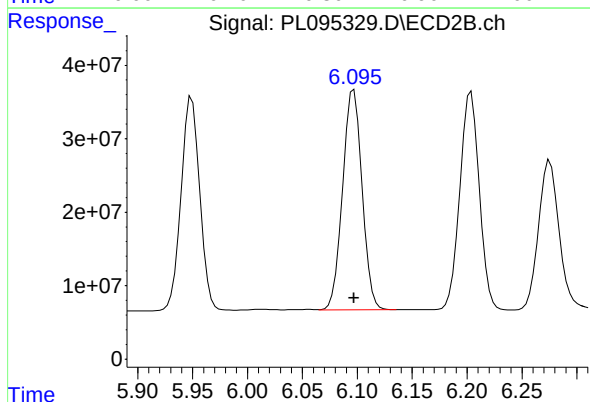
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 380070631
Conc: 104.69 ng/ml



#15 Endosulfan II

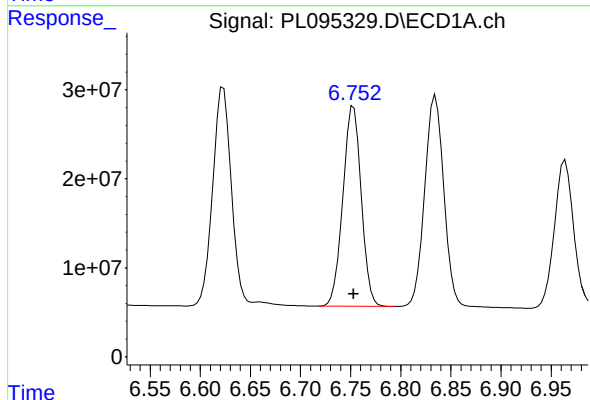
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 312843730
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



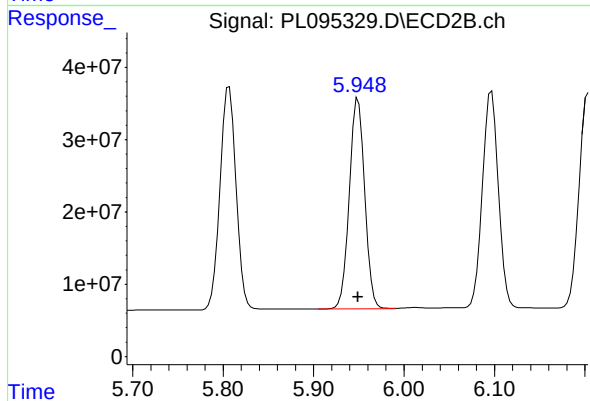
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 369804223
Conc: 104.44 ng/ml



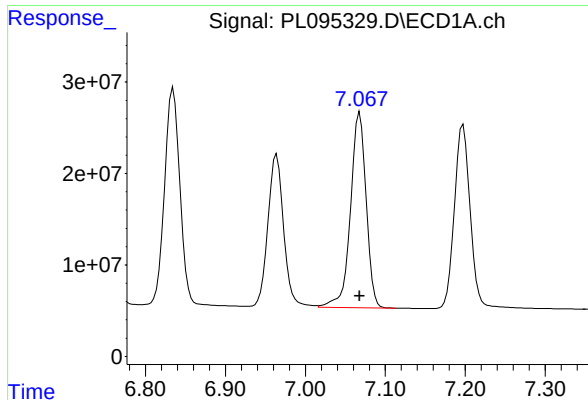
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 286508080
Conc: 102.83 ng/ml



#16 4,4'-DDD

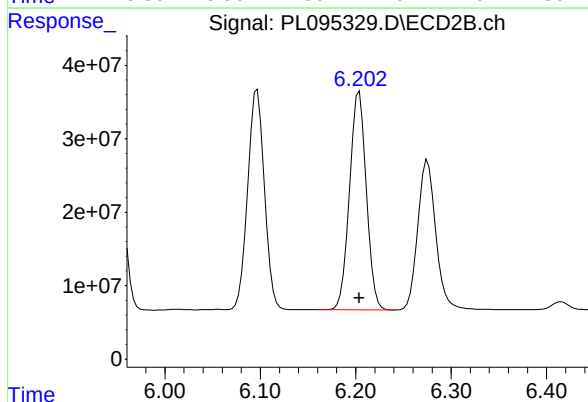
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 345117468
Conc: 105.53 ng/ml



#17 4,4'-DDT

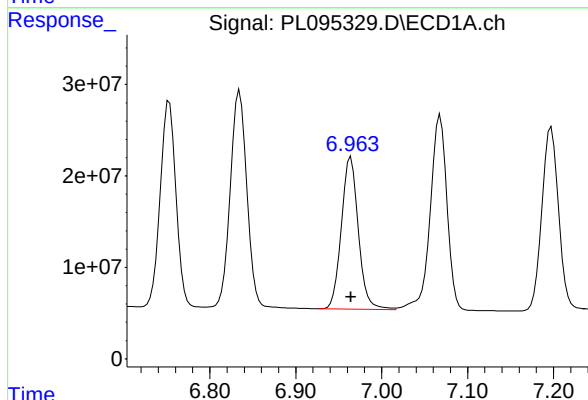
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 290329287
Conc: 102.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



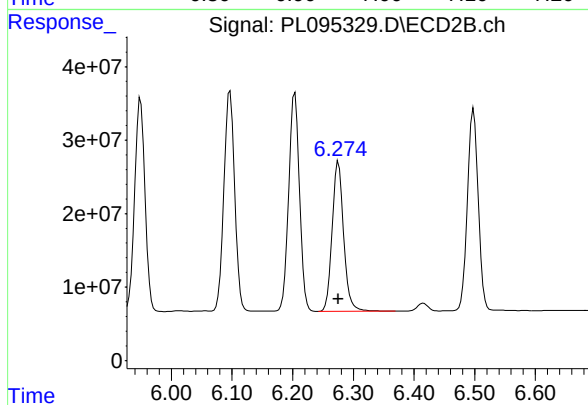
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 367013697
Conc: 105.65 ng/ml



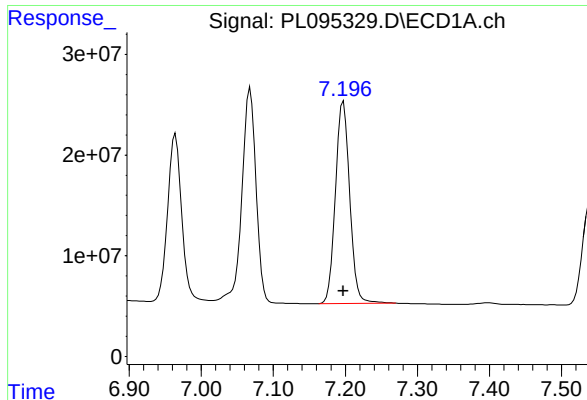
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 227678358
Conc: 101.32 ng/ml



#18 Endrin aldehyde

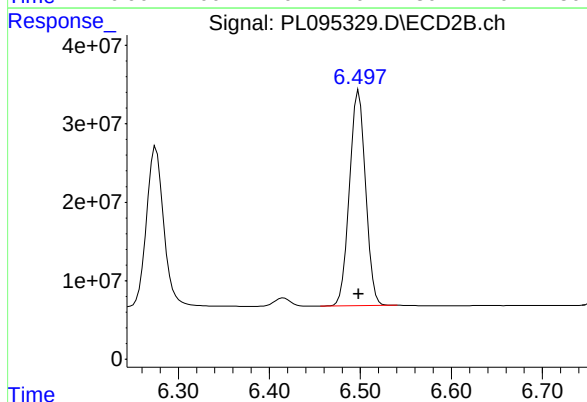
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 267469083
Conc: 103.92 ng/ml



#19 Endosulfan Sulfate

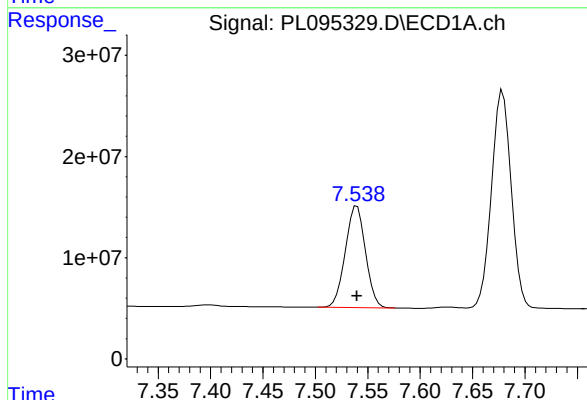
R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 274542350
Conc: 101.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



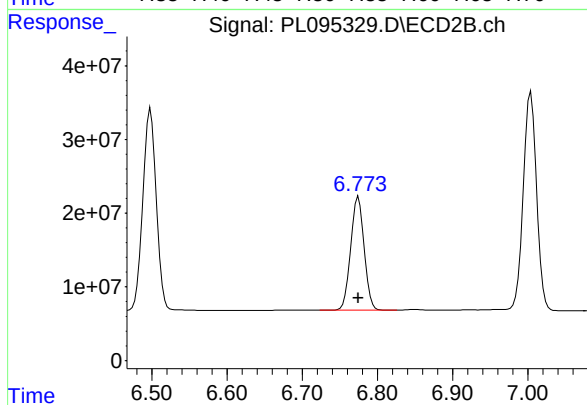
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 339248929
Conc: 103.91 ng/ml



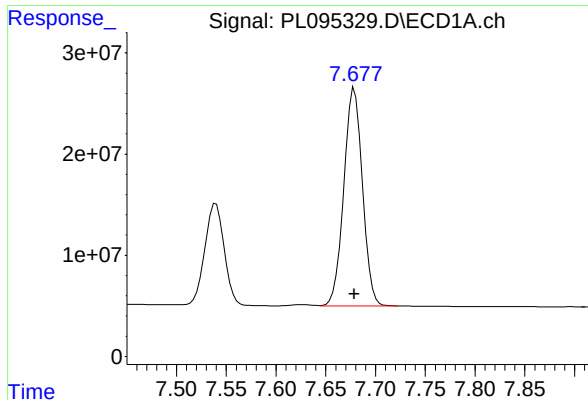
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 135217513
Conc: 100.82 ng/ml



#20 Methoxychlor

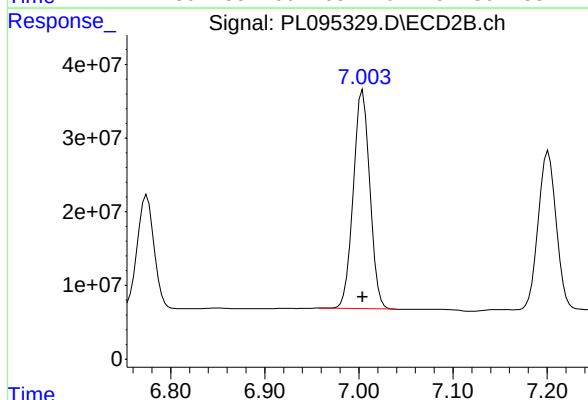
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 191790122
Conc: 102.85 ng/ml



#21 Endrin ketone

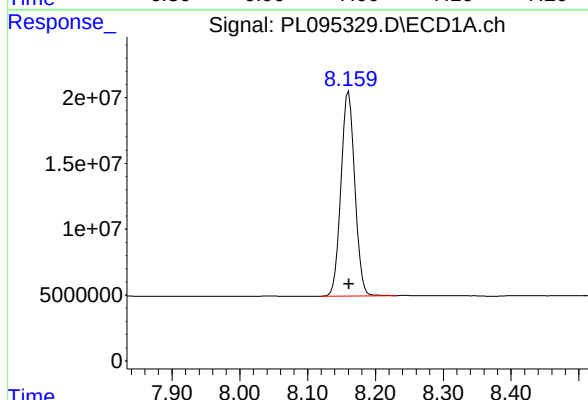
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 280815373
Conc: 101.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



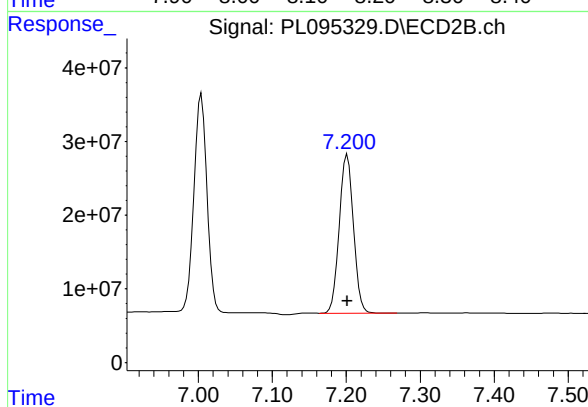
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 362885097
Conc: 103.92 ng/ml



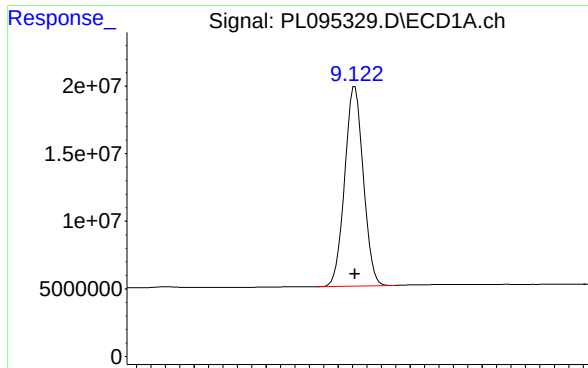
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 221403941
Conc: 99.57 ng/ml



#22 Mirex

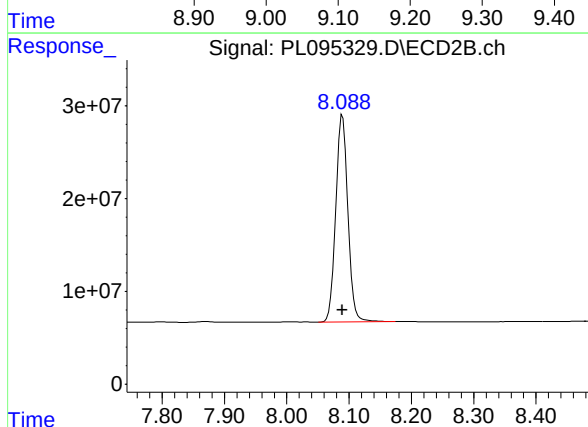
R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 287854160
Conc: 102.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 264726652
Conc: 100.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 301292757
Conc: 103.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:45
 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: Apr 23 12:31:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 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...	3.595	2.906	242.3E6	234.0E6	75.826	75.013
28) SA Decachlor...	9.123	8.090	198.2E6	210.4E6	74.960	73.074
Target Compounds						
2) A alpha-BHC	4.047	3.417	379.9E6	338.8E6	76.029	75.000
3) MA gamma-BHC...	4.378	3.750	358.9E6	331.2E6	75.876	74.842
4) MA Heptachlor	4.977	4.105	339.9E6	321.3E6	75.653	74.520
5) MB Aldrin	5.318	4.390	344.0E6	308.3E6	75.679	74.716
6) B beta-BHC	4.564	4.044	151.2E6	149.5E6	75.563	74.688
7) B delta-BHC	4.813	4.281	347.5E6	330.3E6	75.566	74.710
8) B Heptachlo...	5.740	4.894	295.1E6	281.9E6	75.505	74.194
9) A Endosulfan I	6.123	5.267	280.7E6	267.1E6	75.588	73.735
10) B gamma-Chl...	5.993	5.147	304.4E6	294.6E6	75.551	73.793
11) B alpha-Chl...	6.075	5.211	302.3E6	289.7E6	75.612	73.893
12) B 4,4'-DDE	6.243	5.398	289.8E6	297.5E6	75.443	73.806
13) MA Dieldrin	6.396	5.532	288.2E6	297.4E6	75.657	74.204
14) MA Endrin	6.623	5.807	235.1E6	265.9E6	75.482	73.827
15) B Endosulfa...	6.836	6.097	232.8E6	260.1E6	75.616	73.960
16) A 4,4'-DDD	6.753	5.949	211.5E6	239.6E6	75.605	73.829
17) MA 4,4'-DDT	7.069	6.204	214.9E6	253.3E6	75.596	73.601
18) B Endrin al...	6.965	6.276	169.6E6	189.1E6	75.319	73.986
19) B Endosulfa...	7.199	6.498	204.8E6	238.7E6	75.438	73.741
20) A Methoxychlor	7.540	6.775	101.2E6	135.4E6	75.314	73.393
21) B Endrin ke...	7.680	7.005	208.9E6	256.0E6	75.397	73.872
22) Mirex	8.161	7.202	167.3E6	202.6E6	75.145	73.247

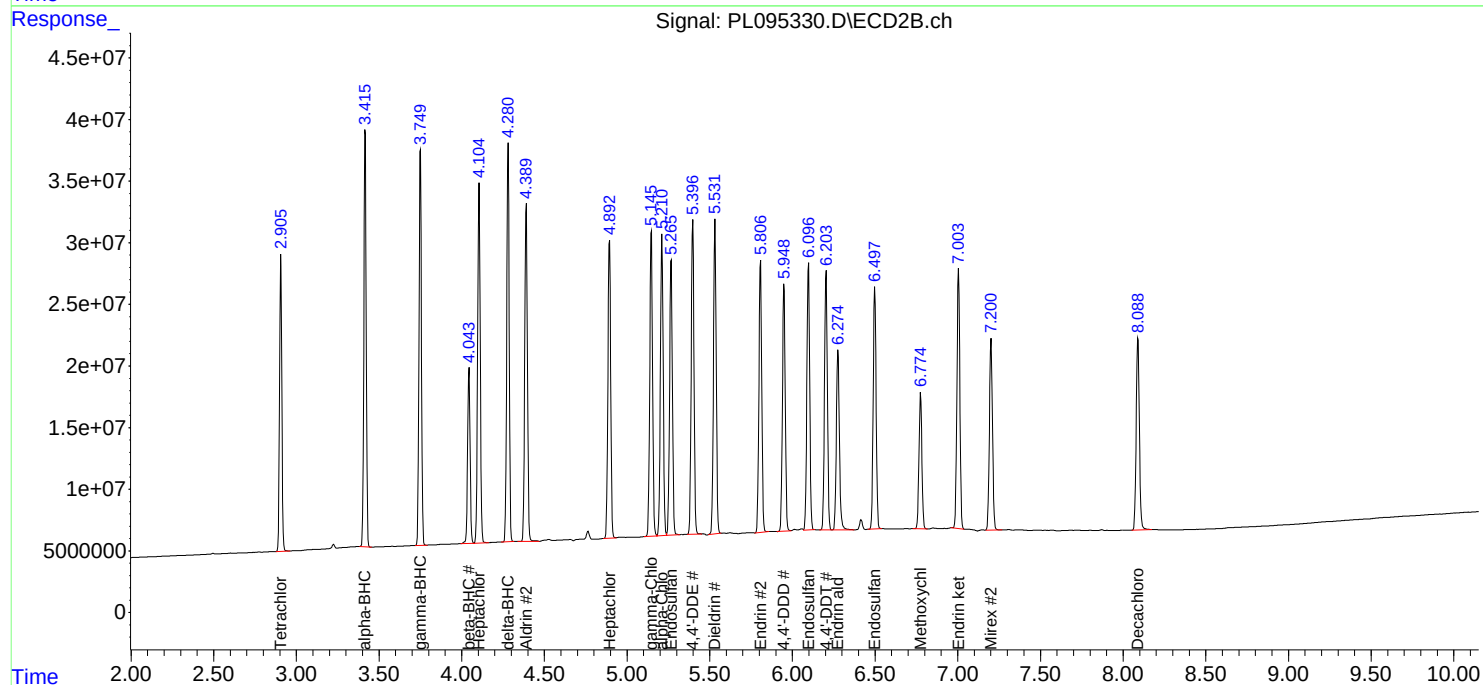
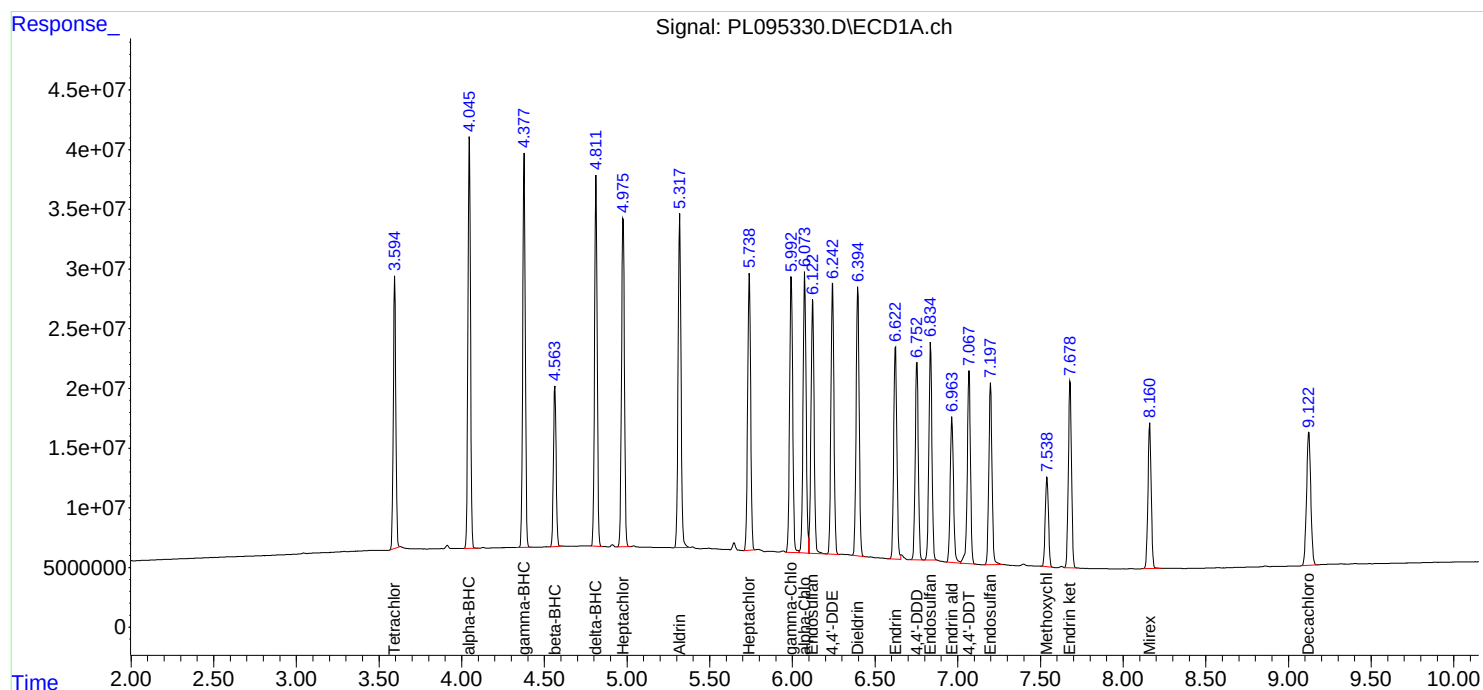
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

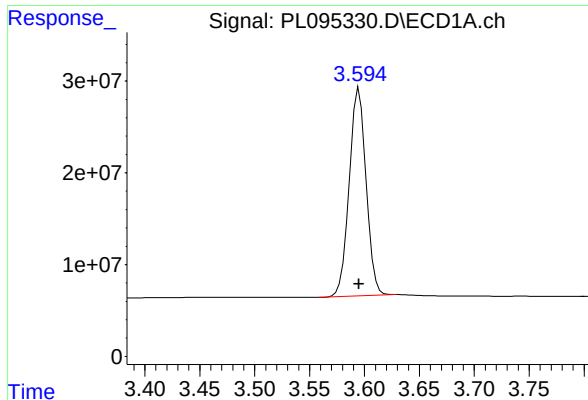
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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

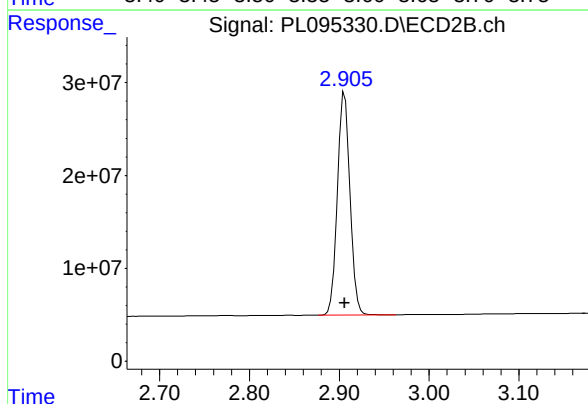




#1 Tetrachloro-m-xylene

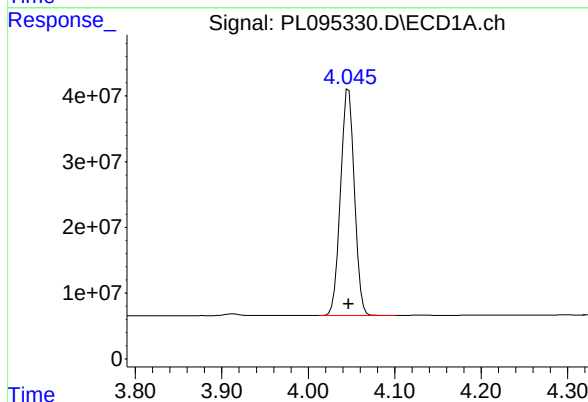
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 242312702
Conc: 75.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



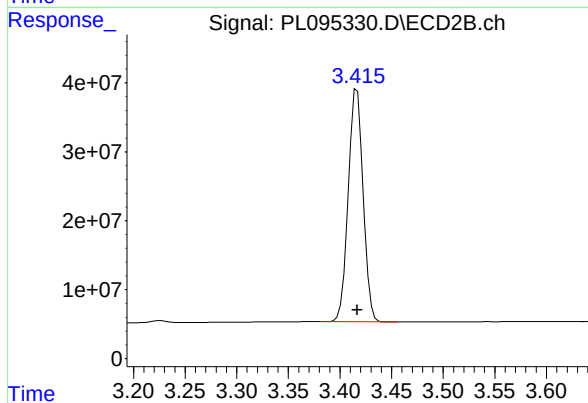
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 233967541
Conc: 75.01 ng/ml



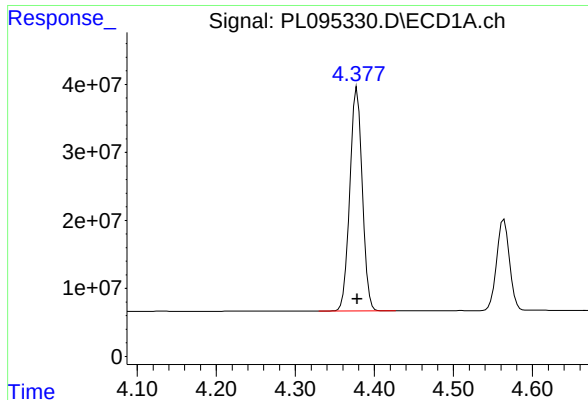
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 379898801
Conc: 76.03 ng/ml



#2 alpha-BHC

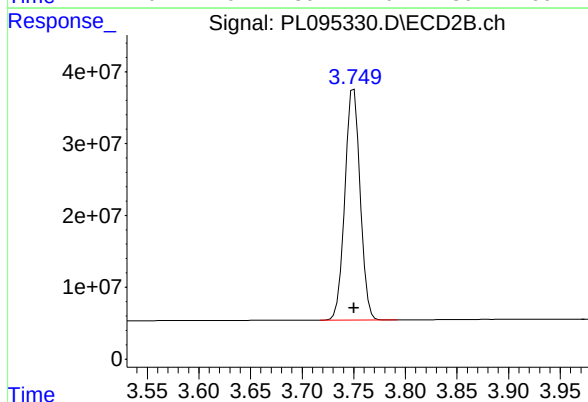
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 338763617
Conc: 75.00 ng/ml



#3 gamma-BHC (Lindane)

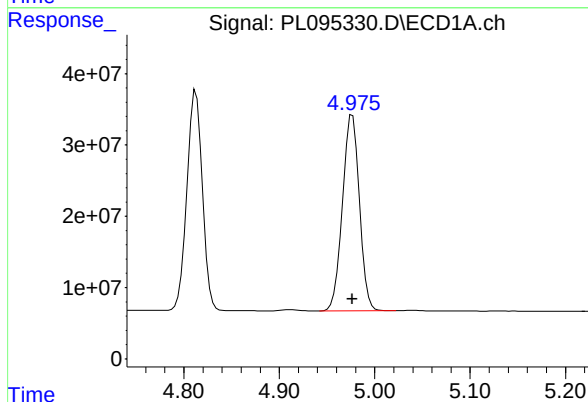
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 358949956
Conc: 75.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



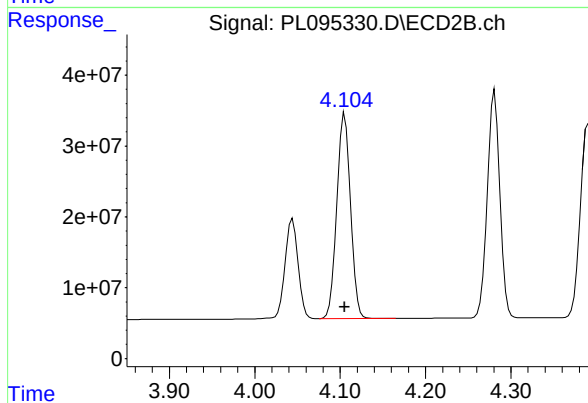
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 331207321
Conc: 74.84 ng/ml



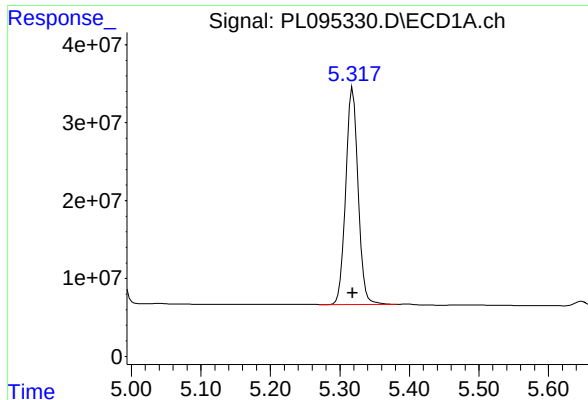
#4 Heptachlor

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 339898397
Conc: 75.65 ng/ml



#4 Heptachlor

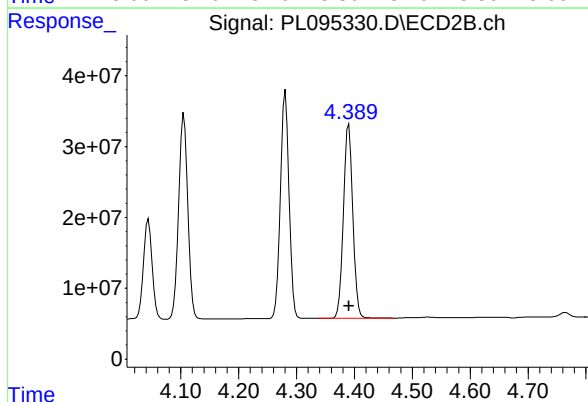
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 321310520
Conc: 74.52 ng/ml



#5 Aldrin

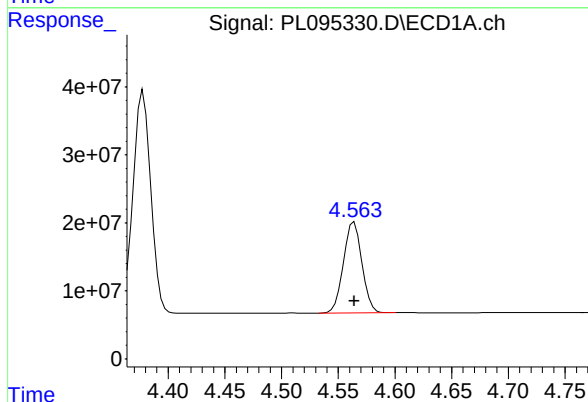
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 343969506
Conc: 75.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



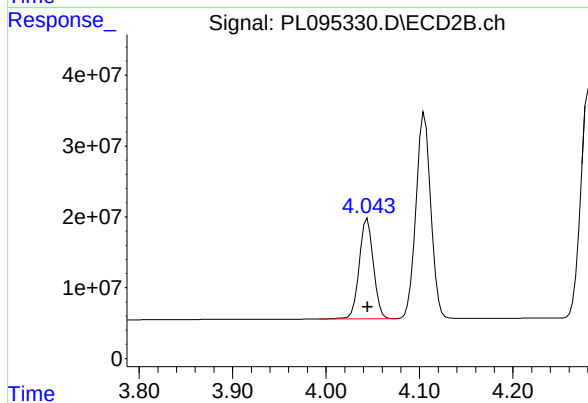
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 308300056
Conc: 74.72 ng/ml



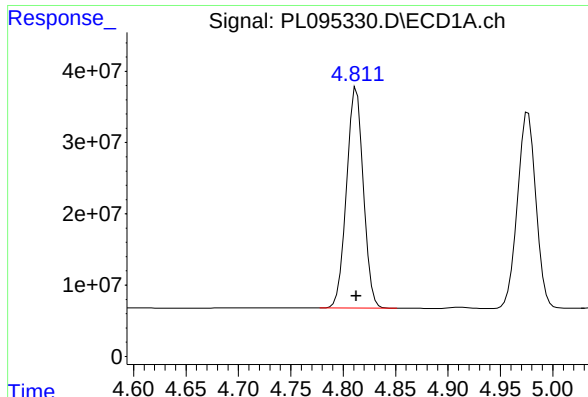
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 151230250
Conc: 75.56 ng/ml



#6 beta-BHC

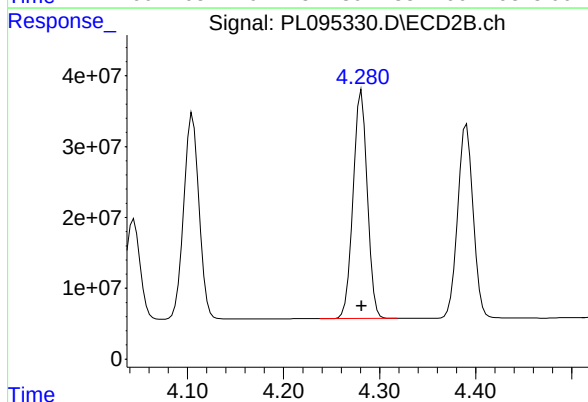
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 149486612
Conc: 74.69 ng/ml



#7 delta-BHC

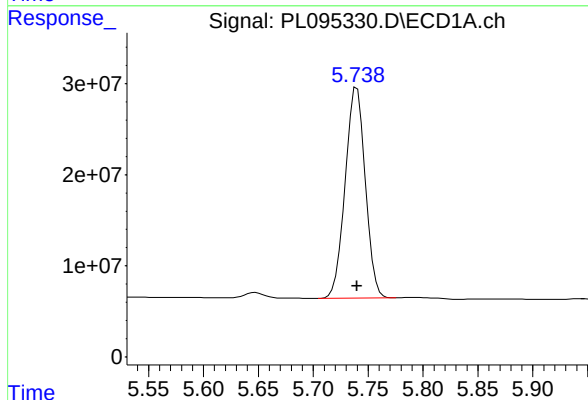
R.T.: 4.813 min
Delta R.T.: 0.000 min
Response: 347489339
Conc: 75.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



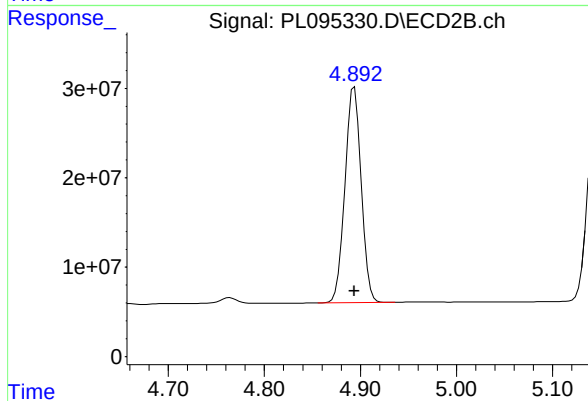
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.000 min
Response: 330298127
Conc: 74.71 ng/ml



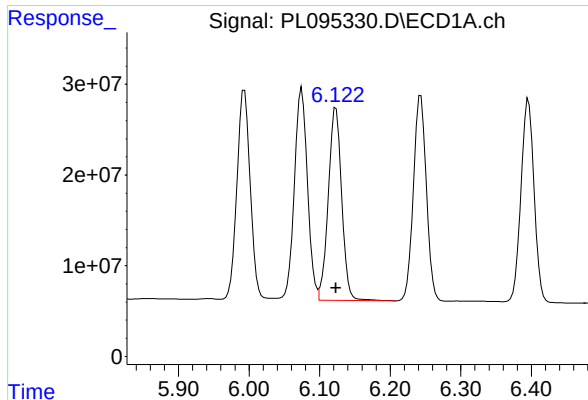
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 295075873
Conc: 75.51 ng/ml



#8 Heptachlor epoxide

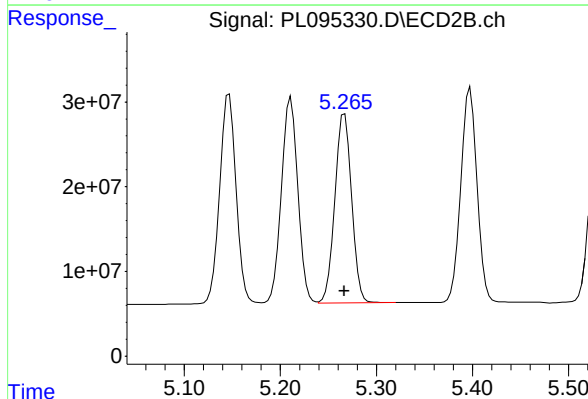
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 281865797
Conc: 74.19 ng/ml



#9 Endosulfan I

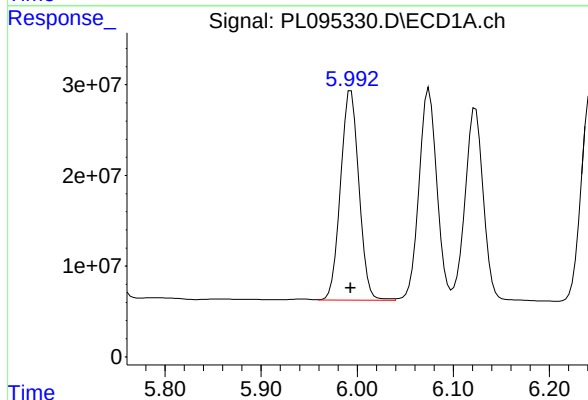
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 280667118
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



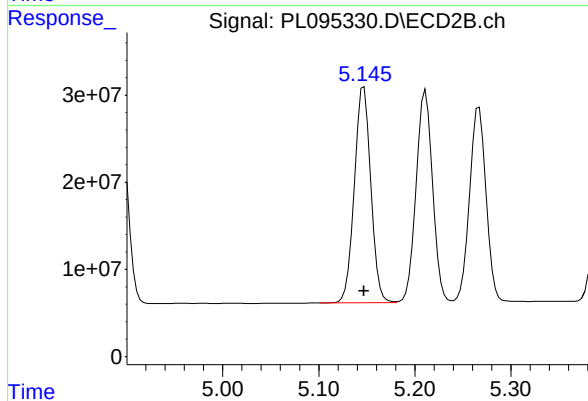
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 267059488
Conc: 73.74 ng/ml



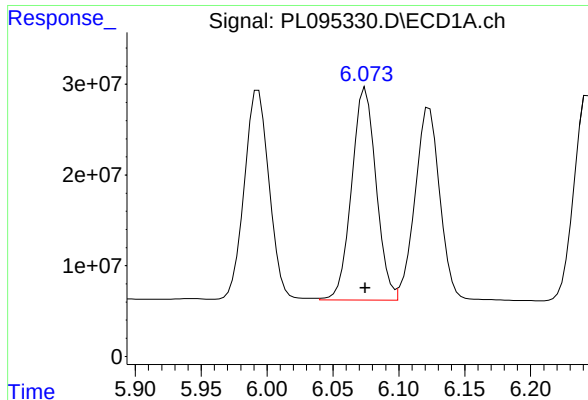
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 304444005
Conc: 75.55 ng/ml



#10 gamma-Chlordane

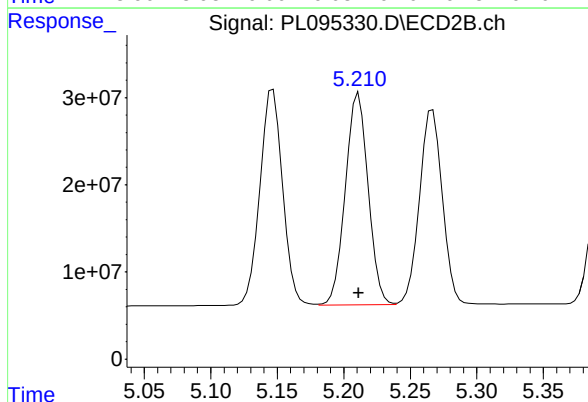
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 294564763
Conc: 73.79 ng/ml



#11 alpha-Chlordane

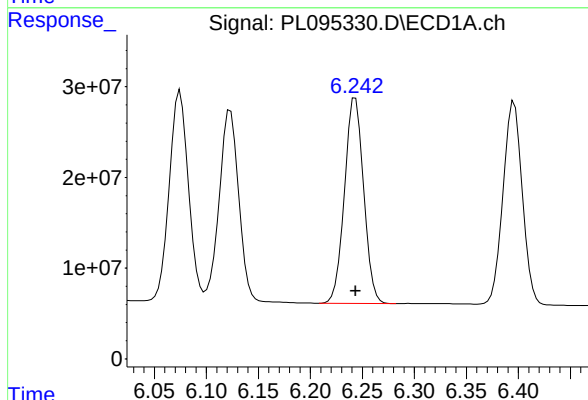
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 302276319
Conc: 75.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



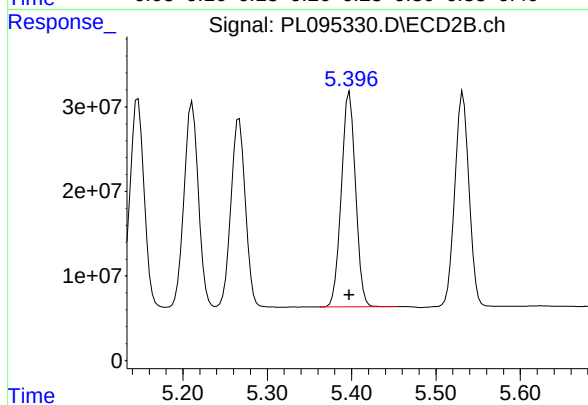
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 289691684
Conc: 73.89 ng/ml



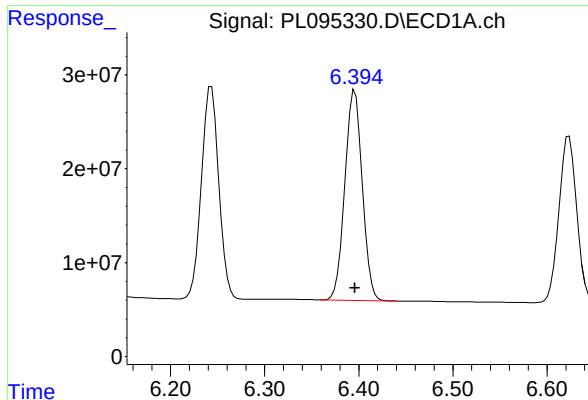
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 289827813
Conc: 75.44 ng/ml



#12 4,4'-DDE

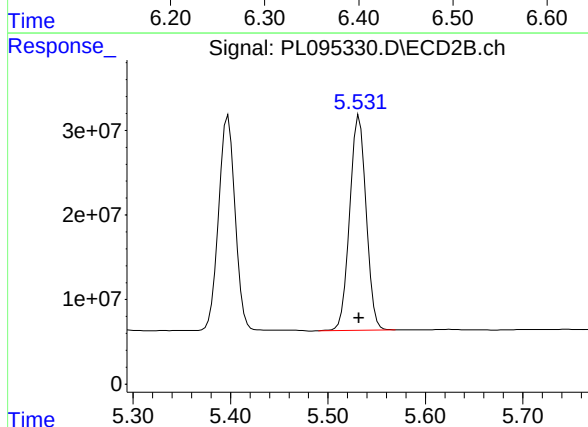
R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 297457686
Conc: 73.81 ng/ml



#13 Dieldrin

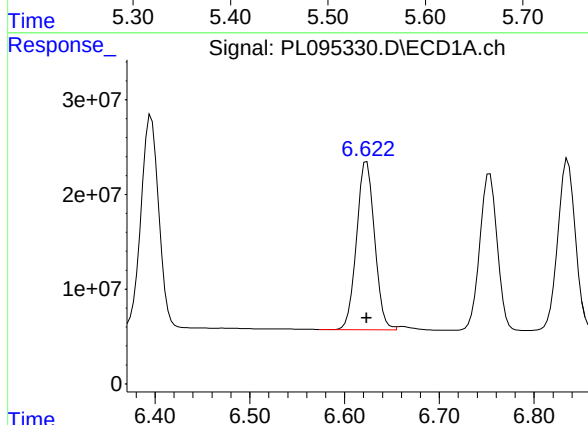
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 288216681
Conc: 75.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



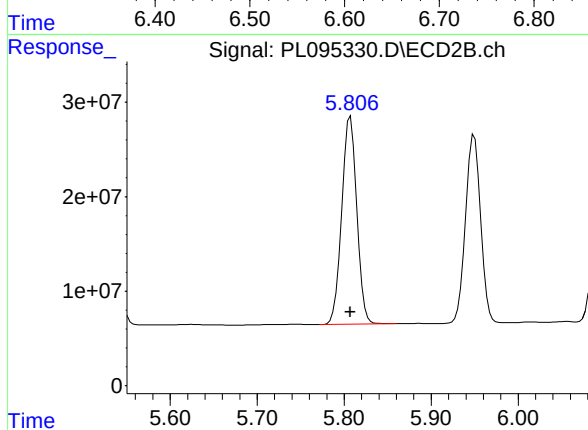
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 297383658
Conc: 74.20 ng/ml



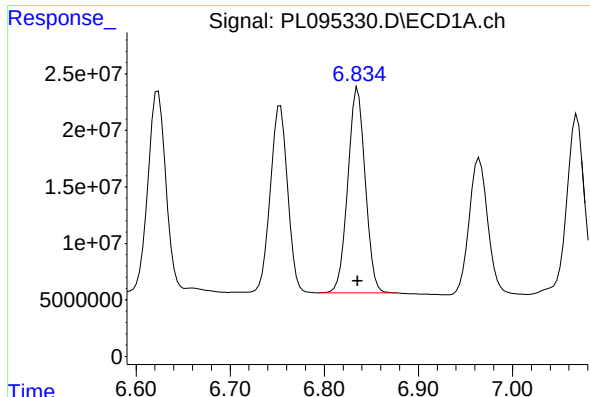
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 235125435
Conc: 75.48 ng/ml



#14 Endrin

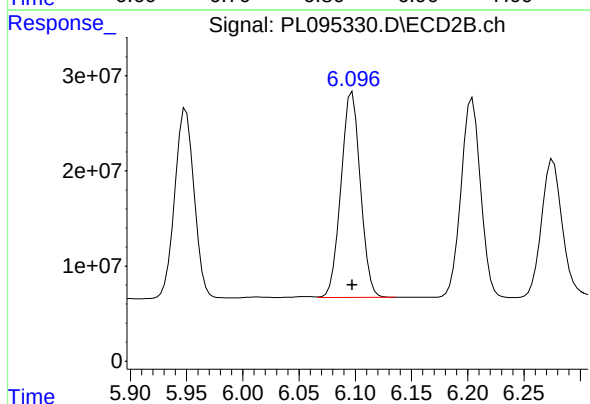
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 265946466
Conc: 73.83 ng/ml



#15 Endosulfan II

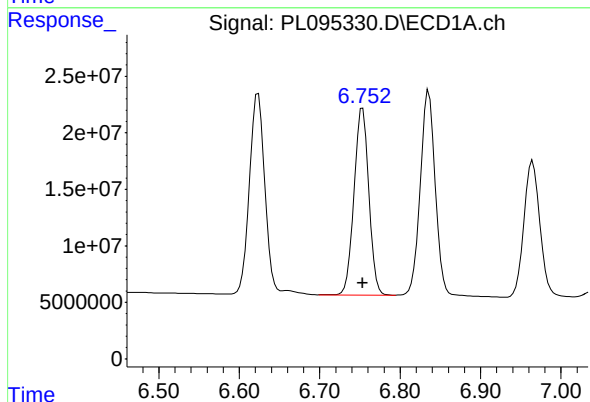
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 232764280
Conc: 75.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



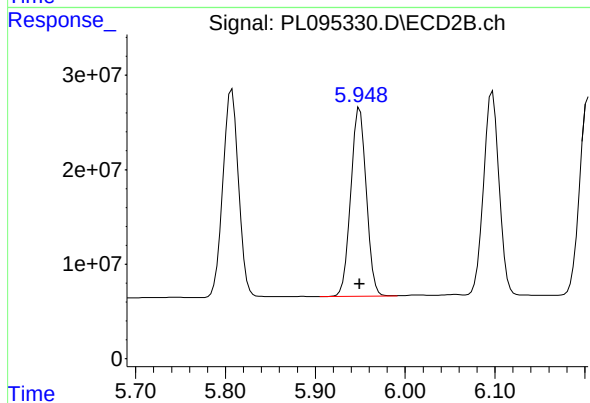
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 260085386
Conc: 73.96 ng/ml



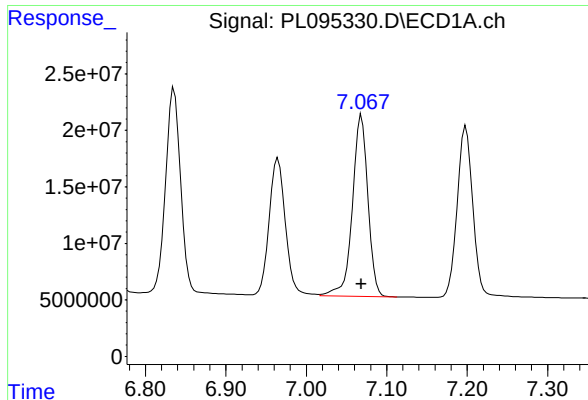
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 211508192
Conc: 75.61 ng/ml



#16 4,4'-DDD

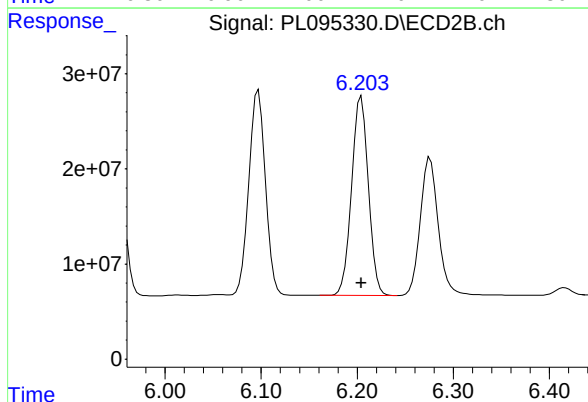
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 239572214
Conc: 73.83 ng/ml



#17 4,4'-DDT

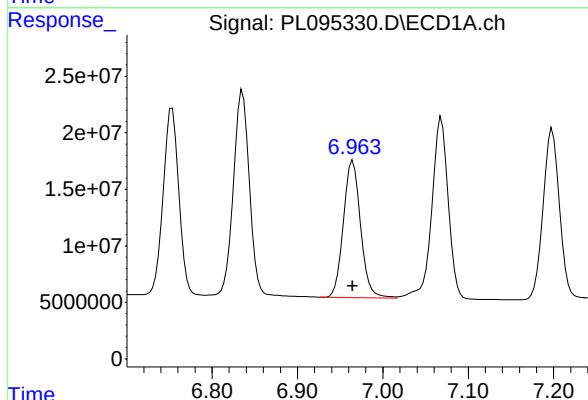
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 214925152
Conc: 75.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



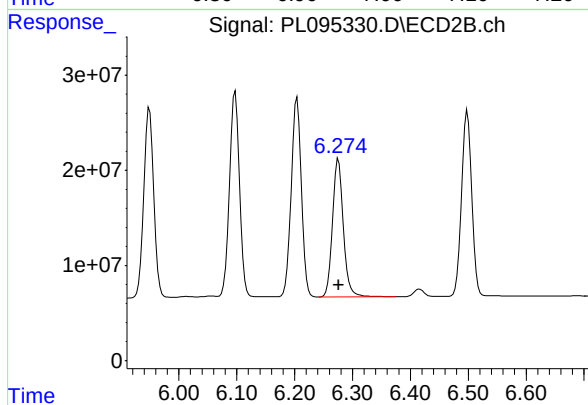
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 253306887
Conc: 73.60 ng/ml



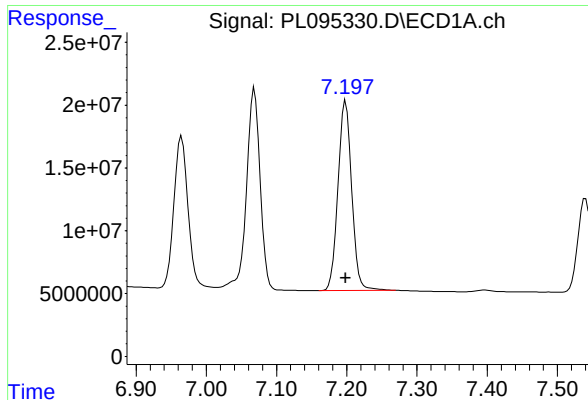
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 169615564
Conc: 75.32 ng/ml



#18 Endrin aldehyde

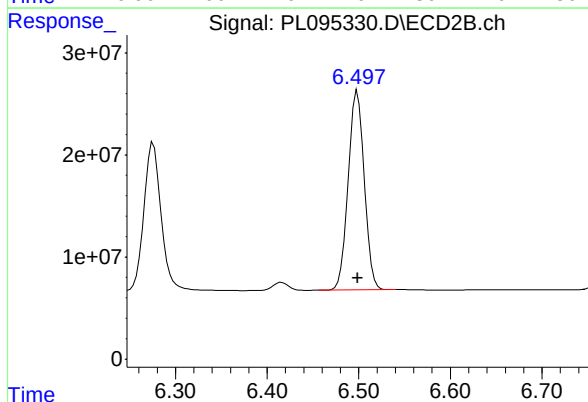
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 189145520
Conc: 73.99 ng/ml



#19 Endosulfan Sulfate

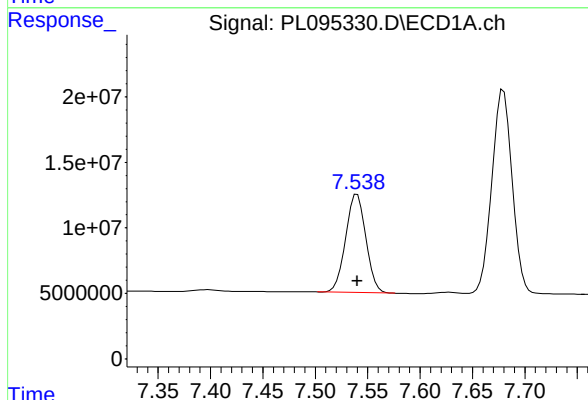
R.T.: 7.199 min
Delta R.T.: 0.000 min
Response: 204798645
Conc: 75.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



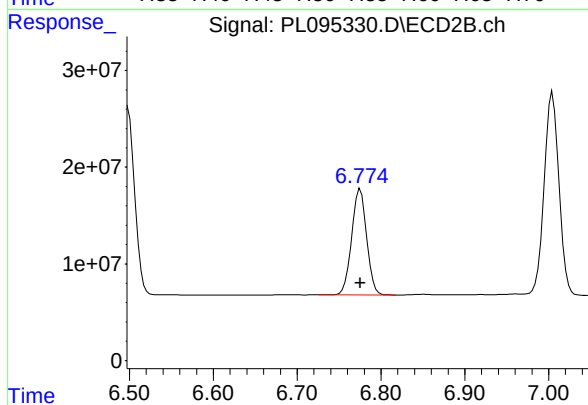
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 238743040
Conc: 73.74 ng/ml



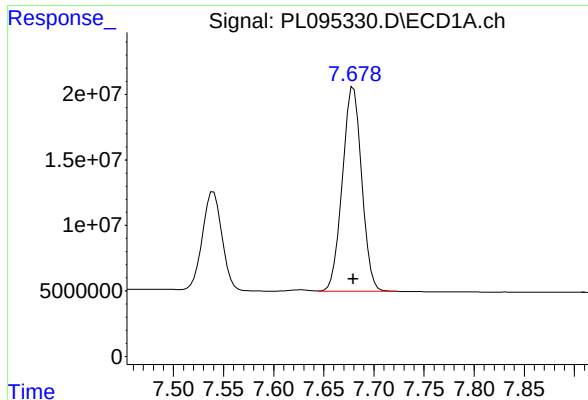
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 101220348
Conc: 75.31 ng/ml



#20 Methoxychlor

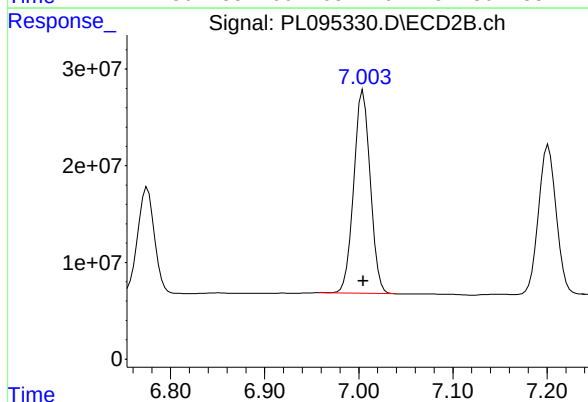
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 135415410
Conc: 73.39 ng/ml



#21 Endrin ketone

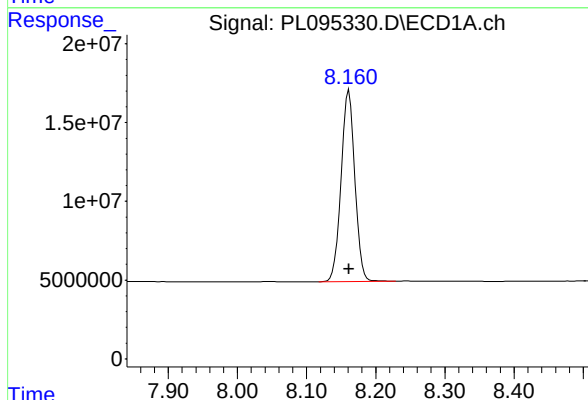
R.T.: 7.680 min
Delta R.T.: 0.000 min
Response: 208925085
Conc: 75.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



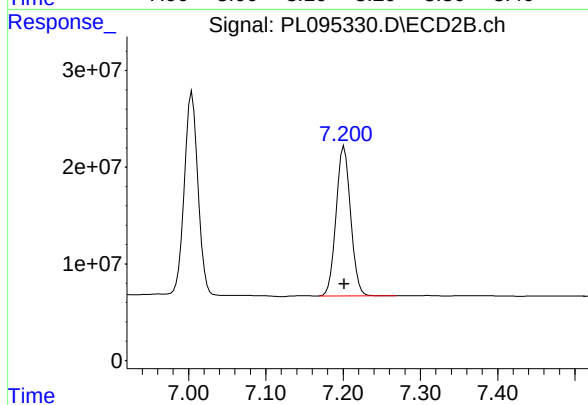
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 256024283
Conc: 73.87 ng/ml



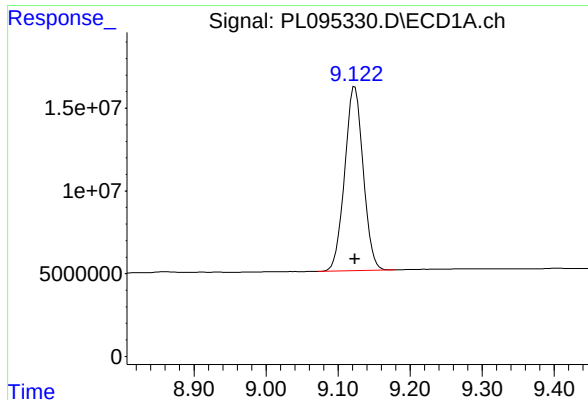
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 167259178
Conc: 75.14 ng/ml



#22 Mirex

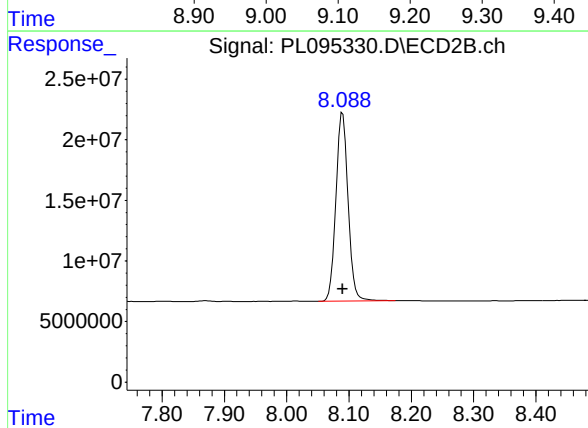
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 202555085
Conc: 73.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 198234966
Conc: 74.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 210388999
Conc: 73.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:59
 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: Apr 23 12:26:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 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...	3.595	2.906	156.1E6	151.5E6	50.000	50.000
28) SA Decachlor...	9.122	8.089	132.2E6	141.0E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	4.046	3.416	238.7E6	214.9E6	50.000	50.000
3) MA gamma-BHC...	4.377	3.750	227.5E6	211.4E6	50.000	50.000
4) MA Heptachlor	4.976	4.104	218.9E6	207.7E6	50.000	50.000
5) MB Aldrin	5.318	4.390	220.1E6	196.6E6	50.000	50.000
6) B beta-BHC	4.564	4.044	98262466	97170224	50.000	50.000
7) B delta-BHC	4.812	4.280	221.2E6	210.5E6	50.000	50.000
8) B Heptachlo...	5.739	4.893	190.1E6	183.5E6	50.000	50.000
9) A Endosulfan I	6.123	5.267	181.3E6	174.9E6	50.000	50.000
10) B gamma-Chl...	5.994	5.147	195.3E6	191.0E6	50.000	50.000
11) B alpha-Chl...	6.075	5.211	194.3E6	188.3E6	50.000	50.000
12) B 4,4'-DDE	6.243	5.397	186.7E6	193.3E6	50.000	50.000
13) MA Dieldrin	6.396	5.532	183.9E6	191.1E6	50.000	50.000
14) MA Endrin	6.623	5.807	151.5E6	173.0E6	50.000	50.000
15) B Endosulfa...	6.835	6.097	150.1E6	169.2E6	50.000	50.000
16) A 4,4'-DDD	6.753	5.949	135.4E6	154.5E6	50.000	50.000
17) MA 4,4'-DDT	7.069	6.204	138.0E6	163.9E6	50.000	50.000
18) B Endrin al...	6.964	6.275	110.9E6	123.6E6	50.000	50.000
19) B Endosulfa...	7.198	6.498	133.4E6	156.9E6	50.000	50.000
20) A Methoxychlor	7.540	6.775	66506986	90587055	50.000	50.000
21) B Endrin ke...	7.679	7.004	136.0E6	167.7E6	50.000	50.000
22) Mirex	8.161	7.202	111.7E6	135.8E6	50.000	50.000

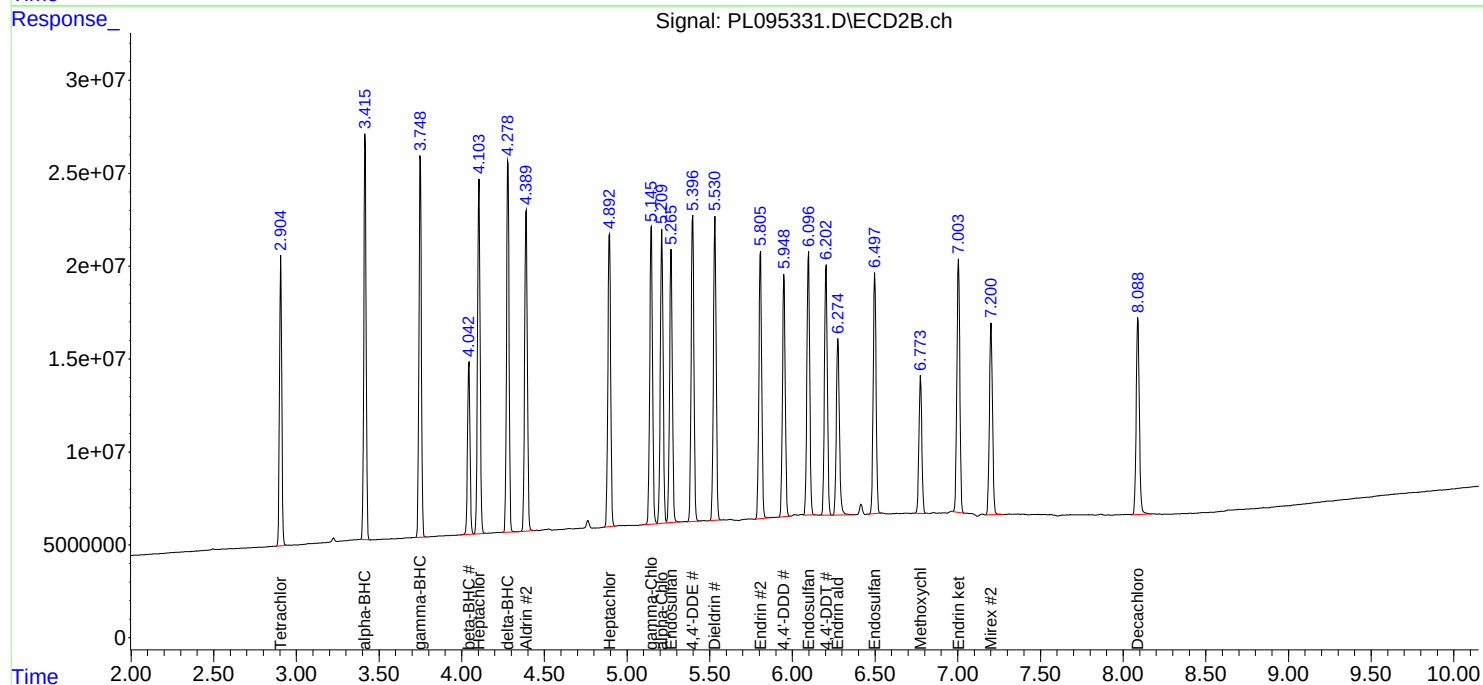
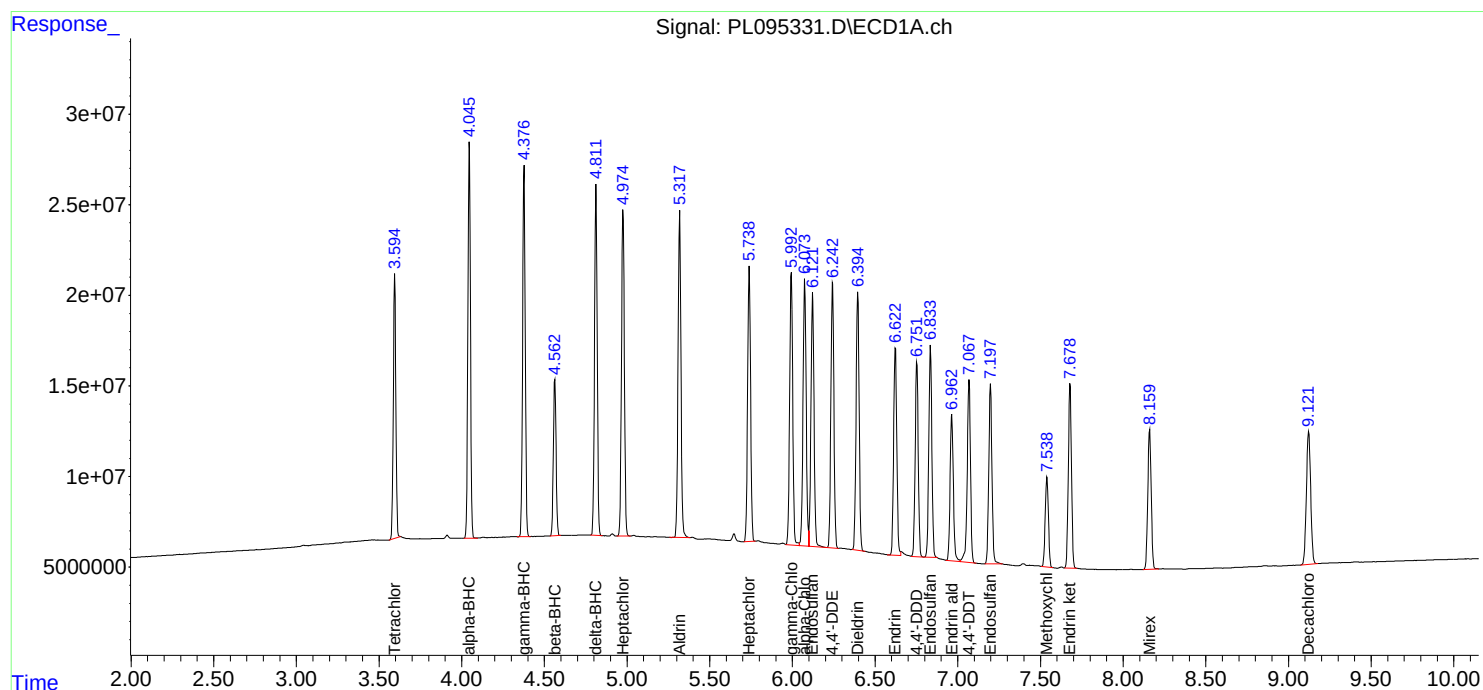
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

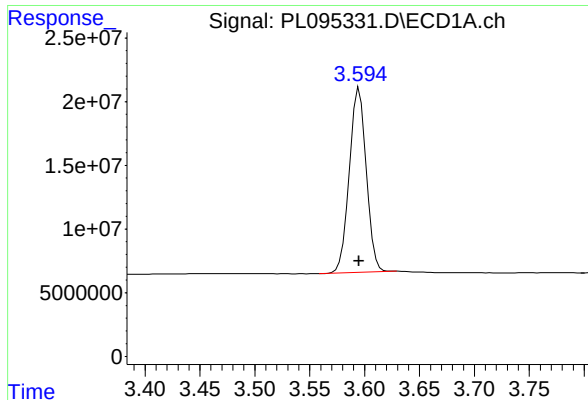
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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

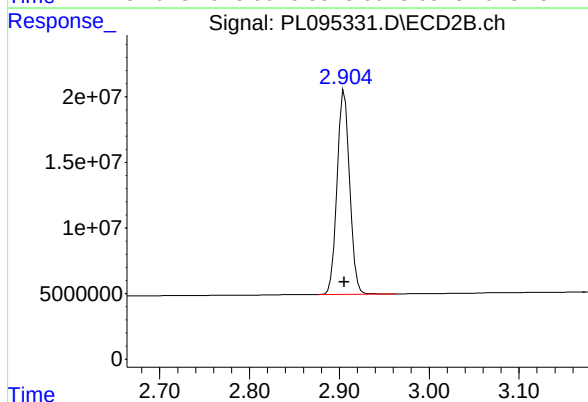




#1 Tetrachloro-m-xylene

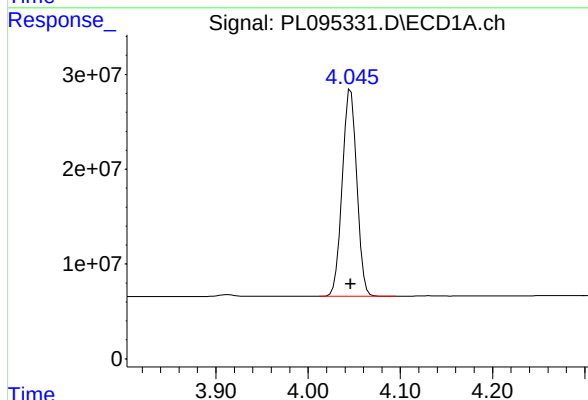
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 156057142
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



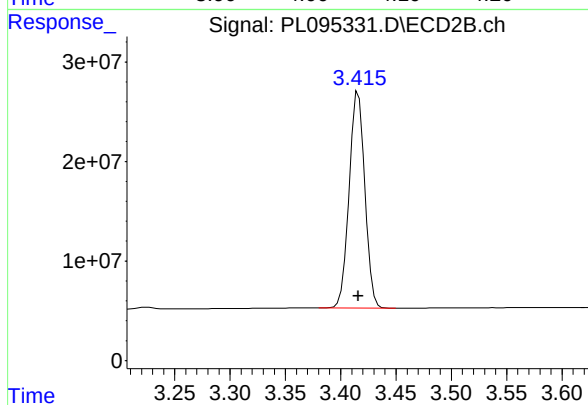
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 151545169
Conc: 50.00 ng/ml



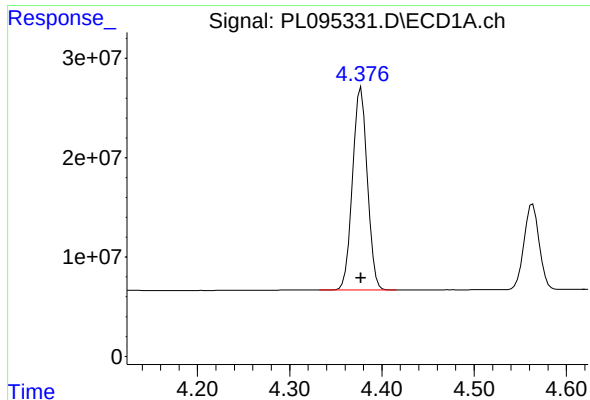
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 238716345
Conc: 50.00 ng/ml



#2 alpha-BHC

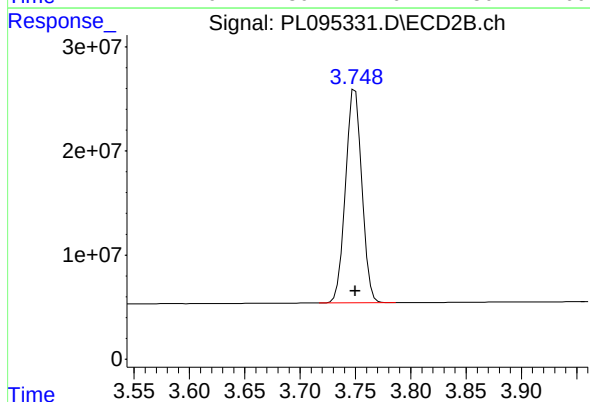
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 214862057
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

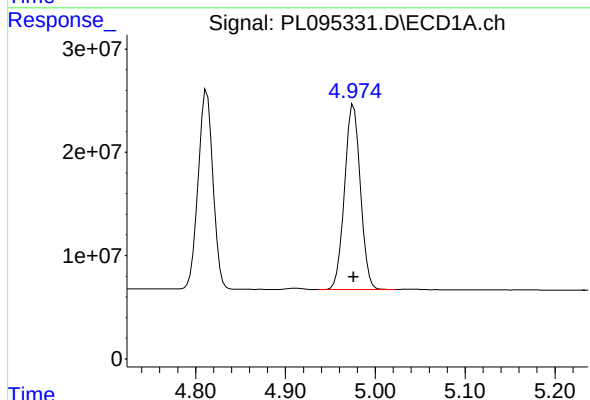
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 227488019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



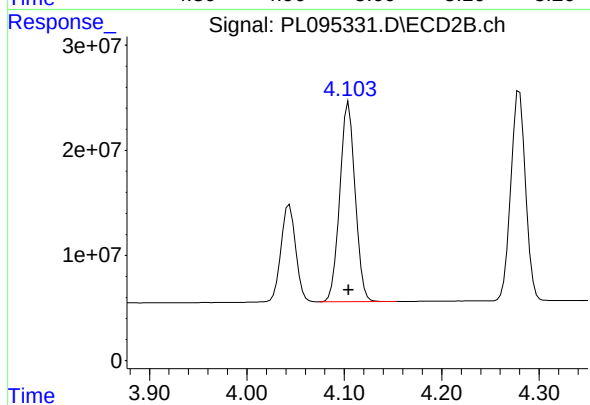
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 211420886
Conc: 50.00 ng/ml



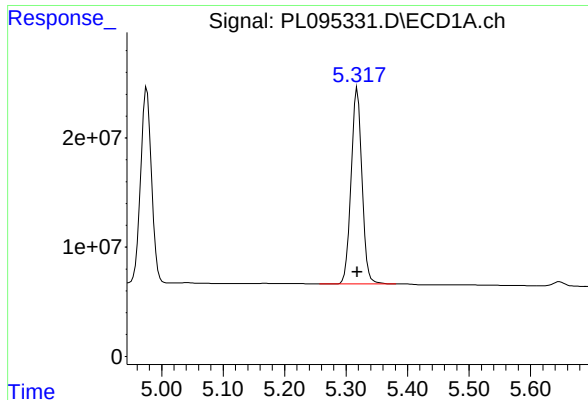
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 218889461
Conc: 50.00 ng/ml



#4 Heptachlor

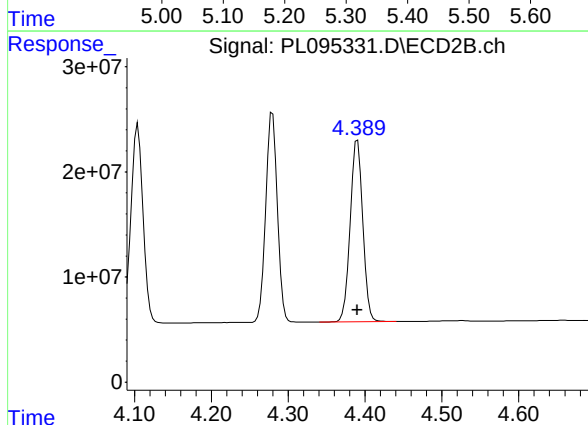
R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 207720997
Conc: 50.00 ng/ml



#5 Aldrin

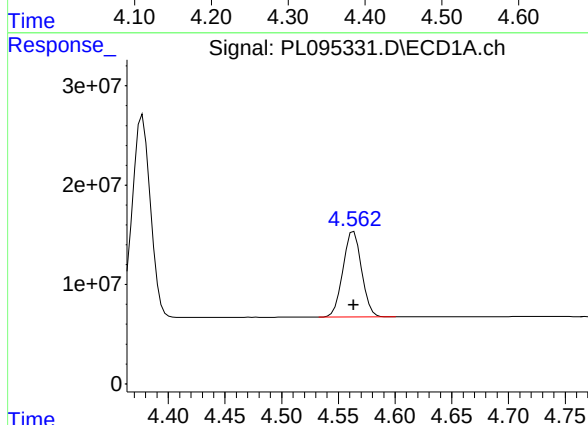
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 220066140
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



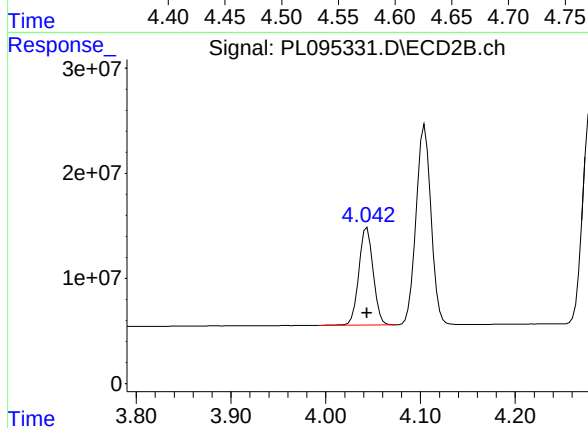
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 196600026
Conc: 50.00 ng/ml



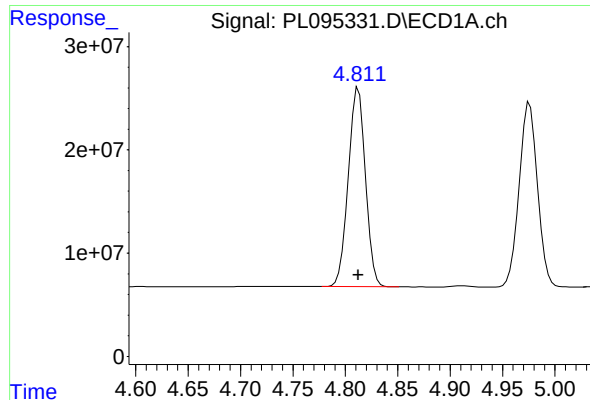
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 98262466
Conc: 50.00 ng/ml



#6 beta-BHC

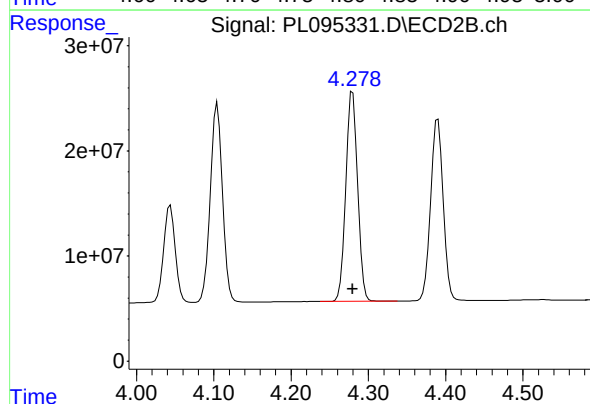
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 97170224
Conc: 50.00 ng/ml



#7 delta-BHC

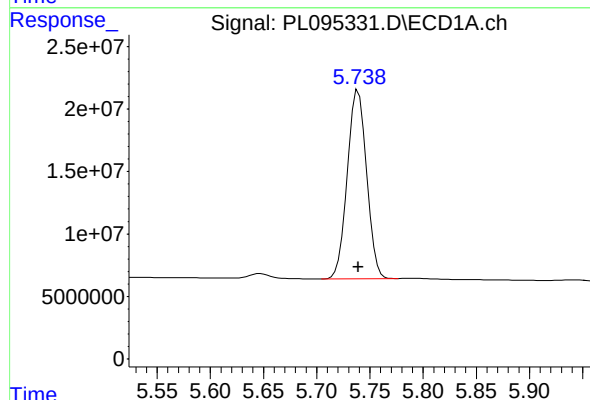
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 221209359
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



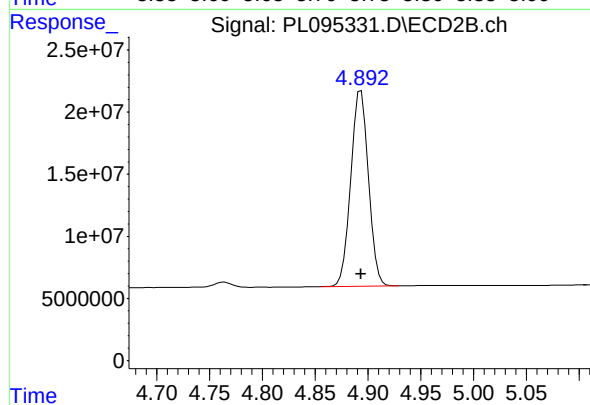
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 210531915
Conc: 50.00 ng/ml



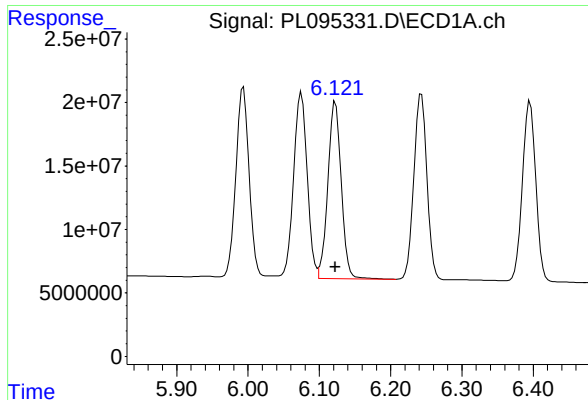
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 190059310
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

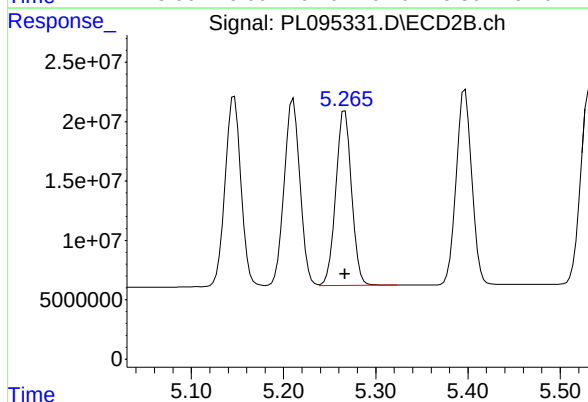
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 183471014
Conc: 50.00 ng/ml



#9 Endosulfan I

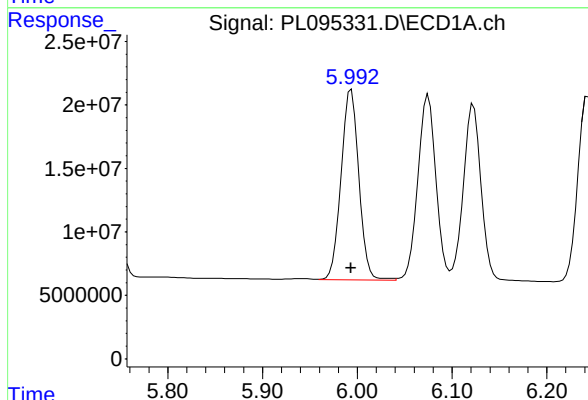
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 181331514
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



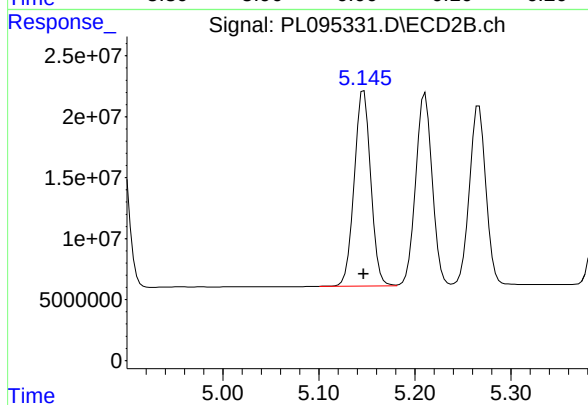
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 174855063
Conc: 50.00 ng/ml



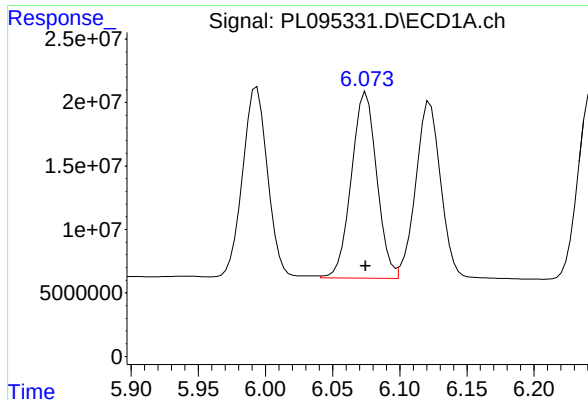
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 195277390
Conc: 50.00 ng/ml



#10 gamma-Chlordane

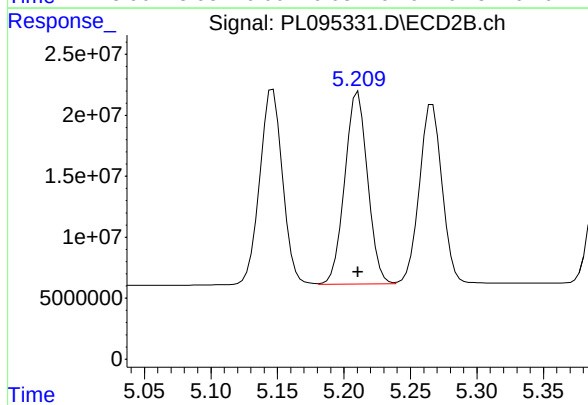
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 191000971
Conc: 50.00 ng/ml



#11 alpha-Chlordane

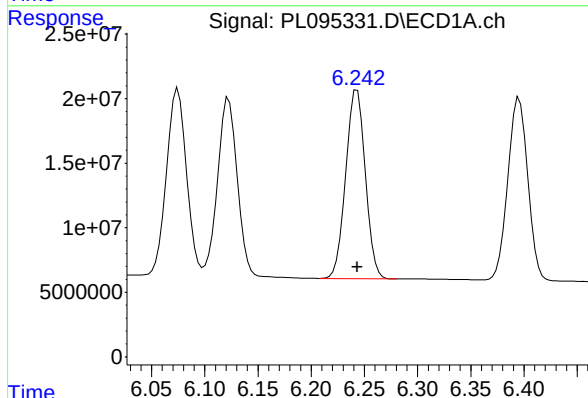
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 194300314
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



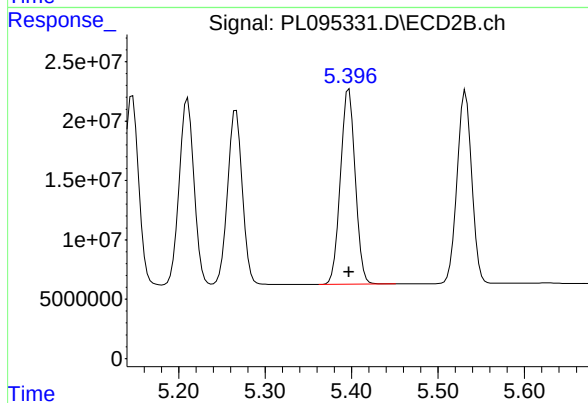
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 188256243
Conc: 50.00 ng/ml



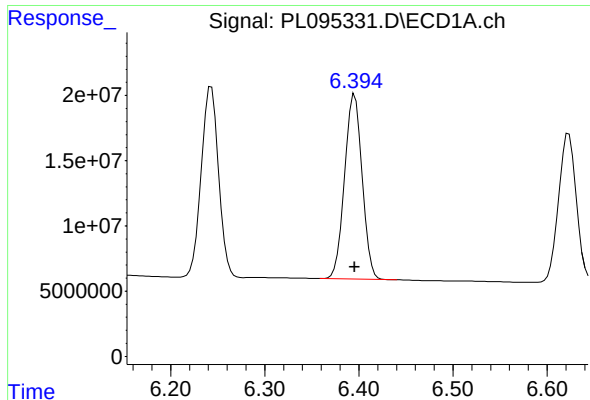
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 186685923
Conc: 50.00 ng/ml



#12 4,4'-DDE

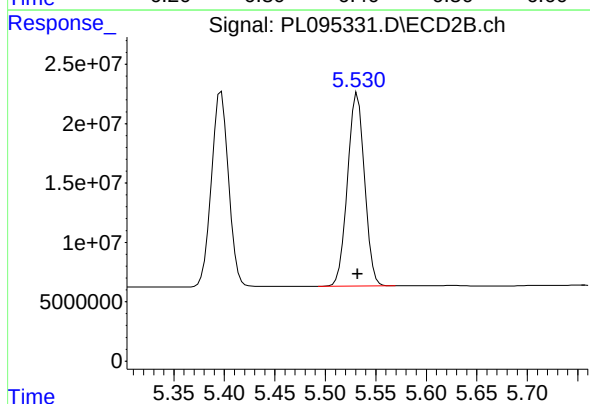
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 193266652
Conc: 50.00 ng/ml



#13 Dieldrin

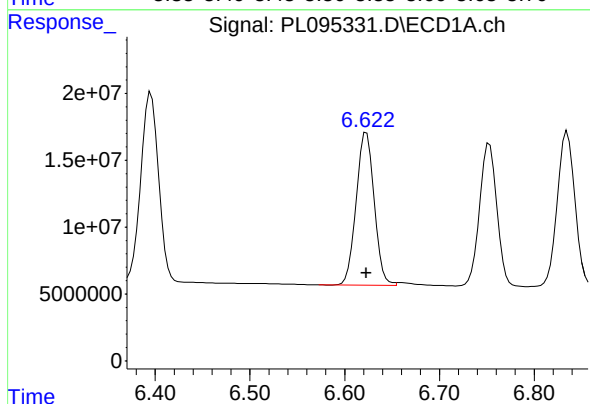
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 183933353
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



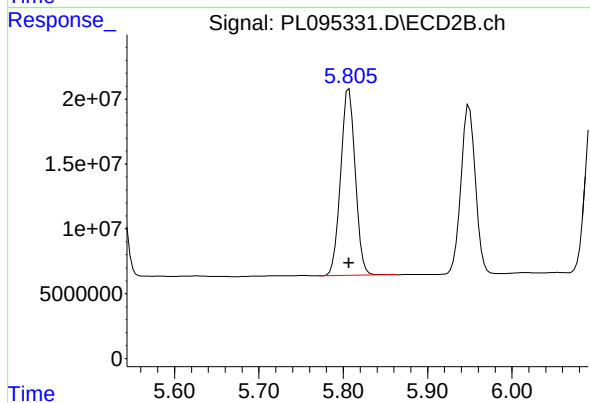
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 191070370
Conc: 50.00 ng/ml



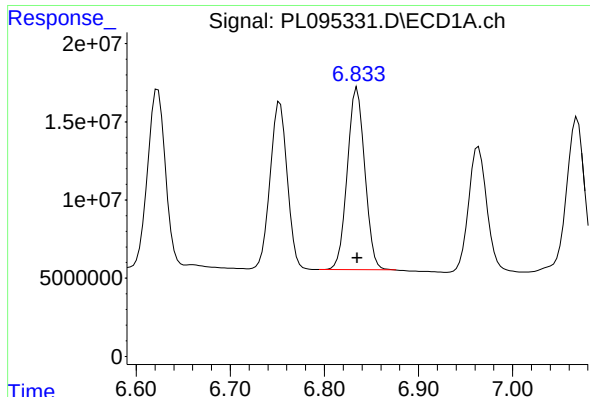
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 151468547
Conc: 50.00 ng/ml



#14 Endrin

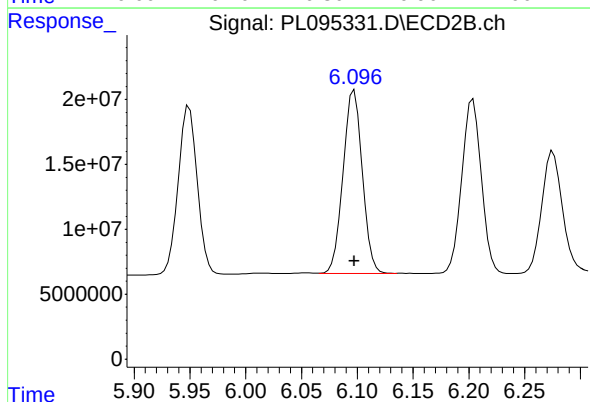
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 173012074
Conc: 50.00 ng/ml



#15 Endosulfan II

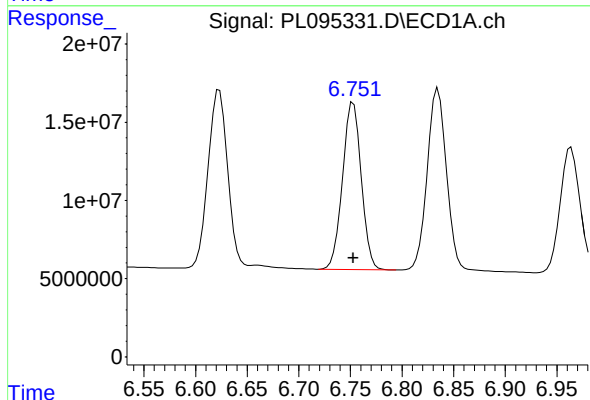
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 150136467
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



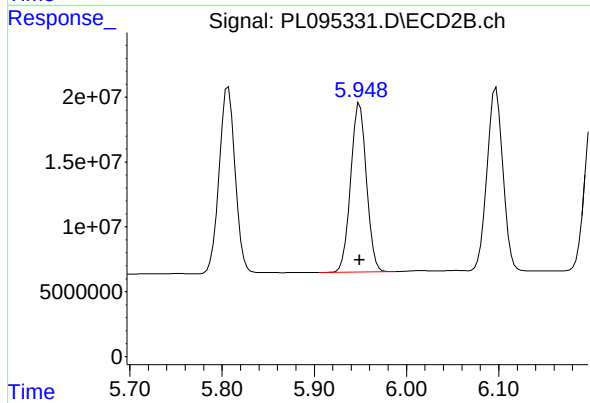
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 169194430
Conc: 50.00 ng/ml



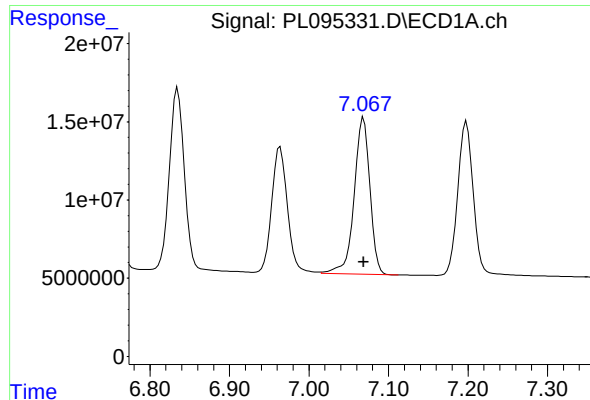
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 135370128
Conc: 50.00 ng/ml



#16 4,4'-DDD

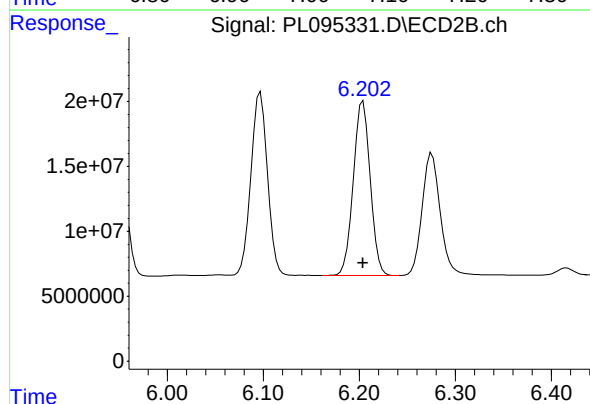
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 154470926
Conc: 50.00 ng/ml



#17 4,4'-DDT

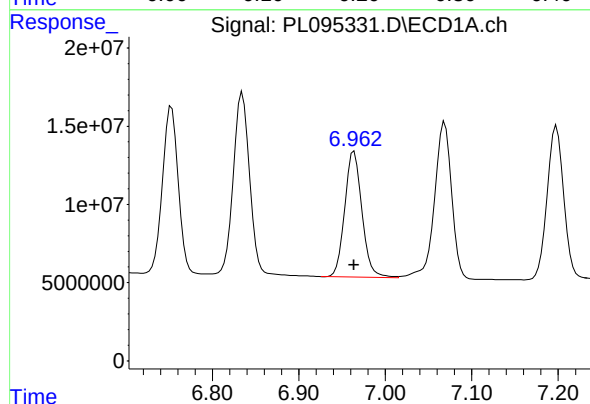
R.T.: 7.069 min
Delta R.T.: 0.000 min
Response: 138014497
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



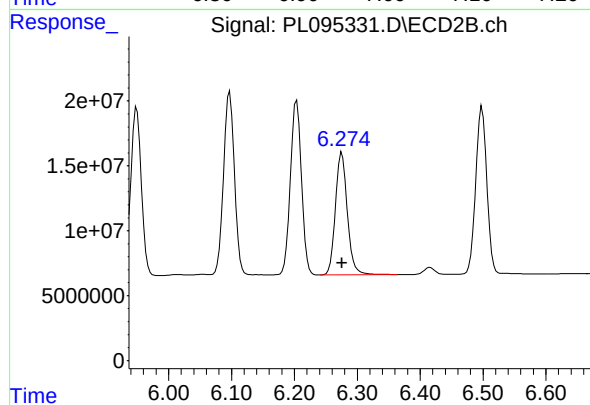
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 163865649
Conc: 50.00 ng/ml



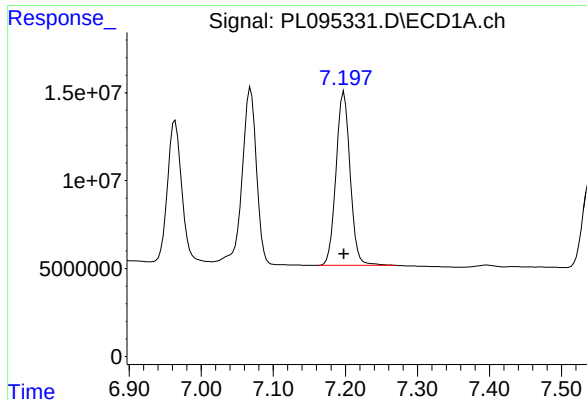
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 110876762
Conc: 50.00 ng/ml



#18 Endrin aldehyde

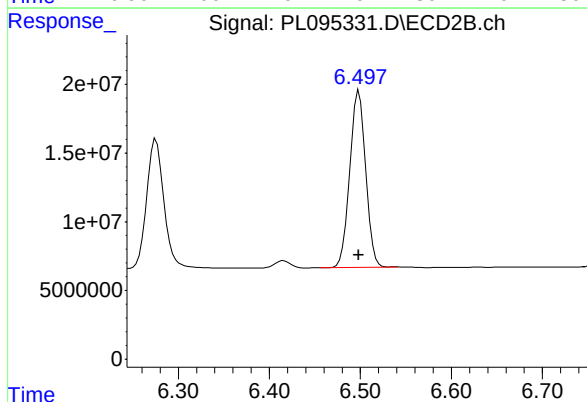
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 123643969
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

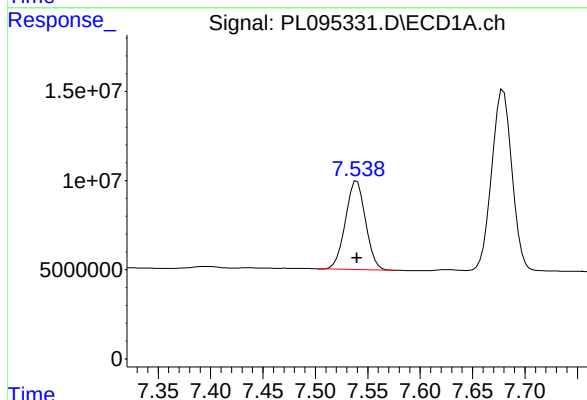
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 133416138
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



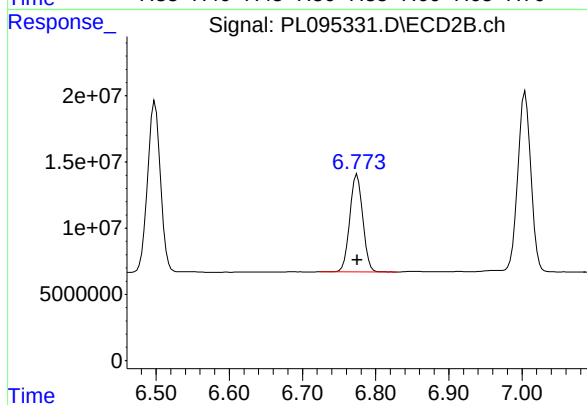
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 156854144
Conc: 50.00 ng/ml



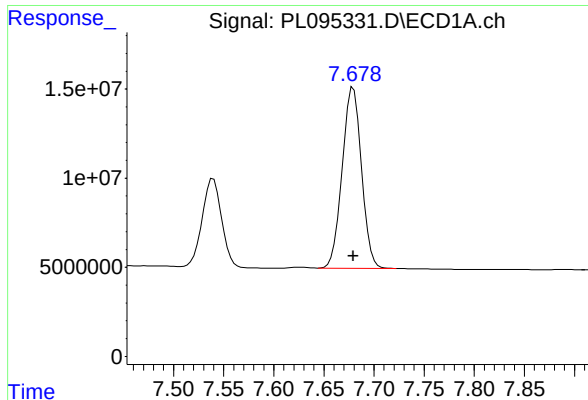
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 66506986
Conc: 50.00 ng/ml



#20 Methoxychlor

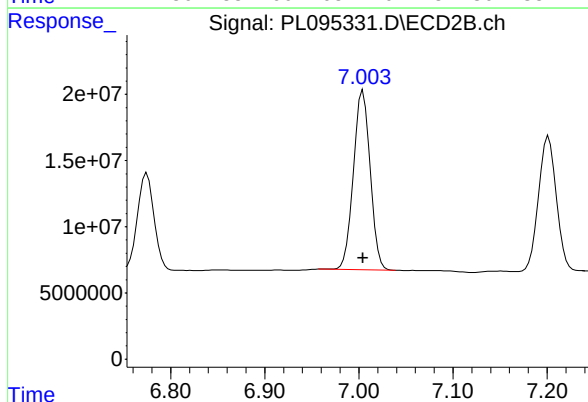
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 90587055
Conc: 50.00 ng/ml



#21 Endrin ketone

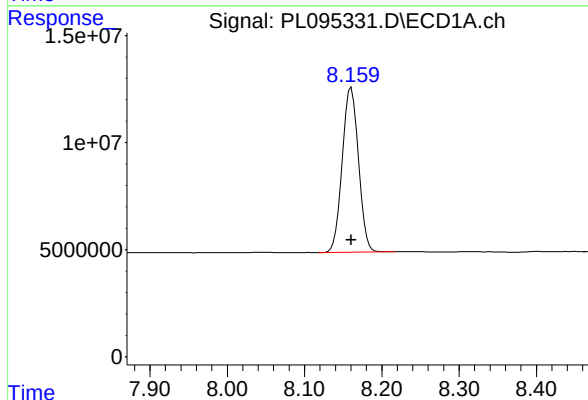
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 135960297
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



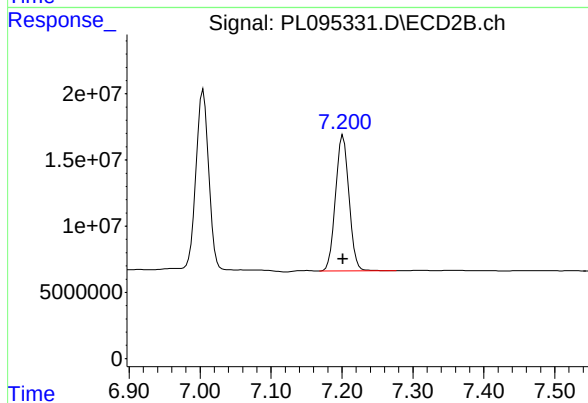
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 167739735
Conc: 50.00 ng/ml



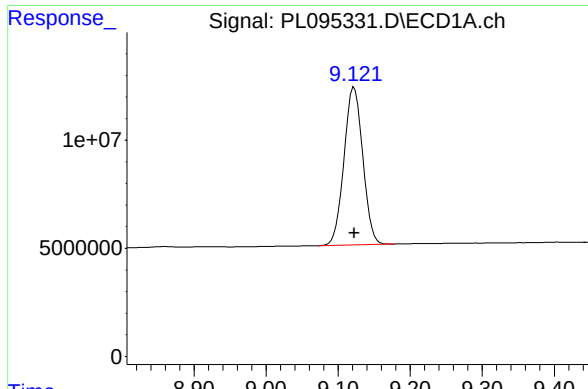
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 111665092
Conc: 50.00 ng/ml



#22 Mirex

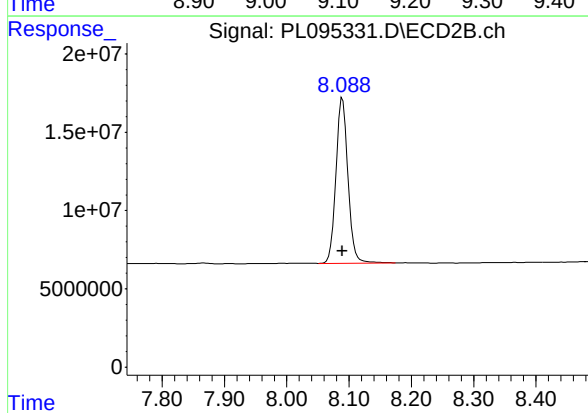
R.T.: 7.202 min
Delta R.T.: 0.000 min
Response: 135843022
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 132162192
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 140963039
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:12
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:33:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 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...	3.595	2.906	82279109	79670448	25.556	25.405
28) SA Decachlor...	9.124	8.090	70535847	76004301	26.234	26.034
Target Compounds						
2) A alpha-BHC	4.047	3.416	121.3E6	108.7E6	24.454	24.298
3) MA gamma-BHC...	4.378	3.750	116.7E6	108.7E6	24.751	24.663
4) MA Heptachlor	4.976	4.105	114.4E6	109.1E6	25.344	25.223
5) MB Aldrin	5.318	4.390	113.5E6	102.3E6	24.986	24.836
6) B beta-BHC	4.564	4.044	52142080	53091040	25.782	26.127
7) B delta-BHC	4.812	4.280	114.2E6	107.7E6	24.868	24.518
8) B Heptachlo...	5.740	4.894	100.8E6	97198123	25.588	25.436
9) A Endosulfan I	6.123	5.267	94665753	92648144	25.369	25.433
10) B gamma-Chl...	5.994	5.147	102.0E6	101.3E6	25.228	25.273
11) B alpha-Chl...	6.075	5.211	102.1E6	100.0E6	25.401	25.384
12) B 4,4'-DDE	6.243	5.398	98088772	102.4E6	25.397	25.298
13) MA Dieldrin	6.396	5.532	96281168	101.2E6	25.205	25.192
14) MA Endrin	6.624	5.807	79734368	91669531	25.445	25.334
15) B Endosulfa...	6.836	6.097	80317081	90454520	25.810	25.538
16) A 4,4'-DDD	6.753	5.950	70509869	81698054	25.153	25.132
17) MA 4,4'-DDT	7.068	6.204	71529390	86031617	25.119	24.998
18) B Endrin al...	6.965	6.276	59366165	66150972	26.008	25.651
19) B Endosulfa...	7.198	6.499	71073932	83744169	25.875	25.644
20) A Methoxychlor	7.540	6.775	35648257	48736354	26.126	26.046
21) B Endrin ke...	7.679	7.005	72029844	88886335	25.738	25.482
22) Mirex	8.161	7.200	60846386	74131947	26.712	26.367m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

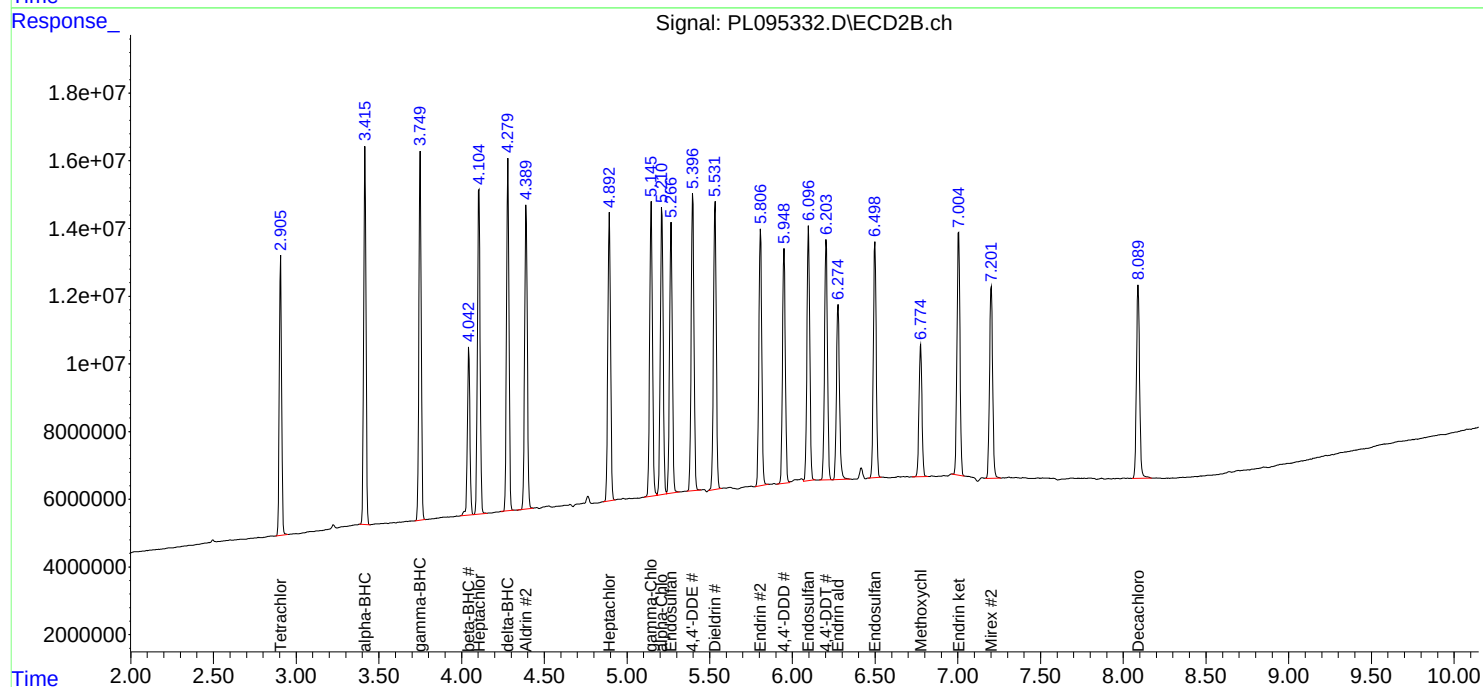
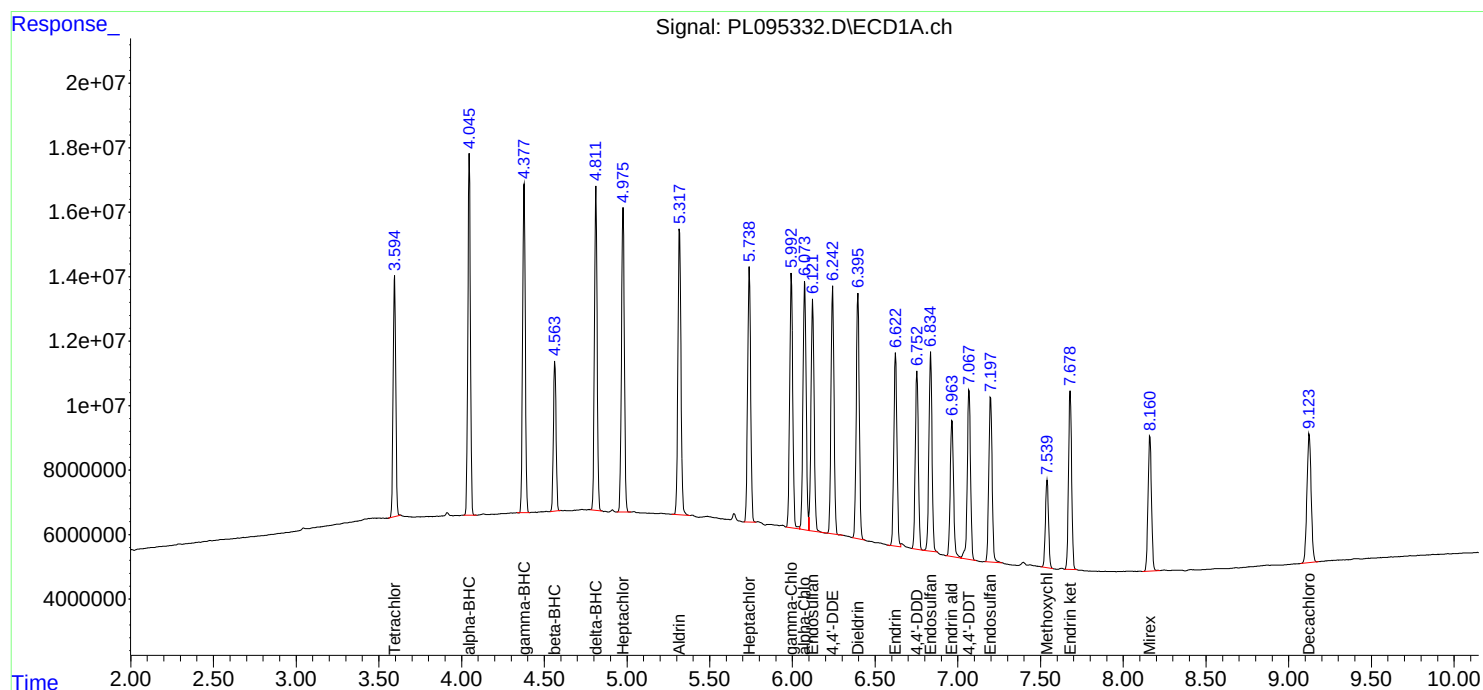
APPROVED

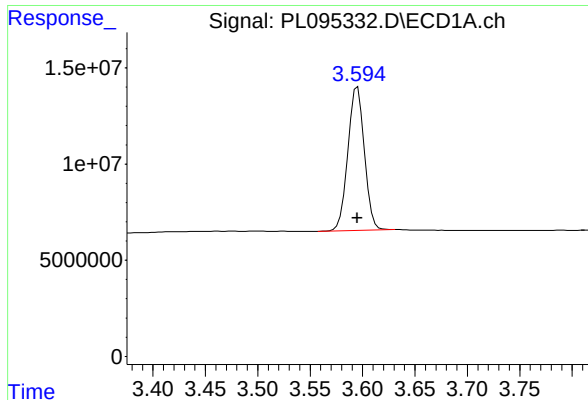
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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





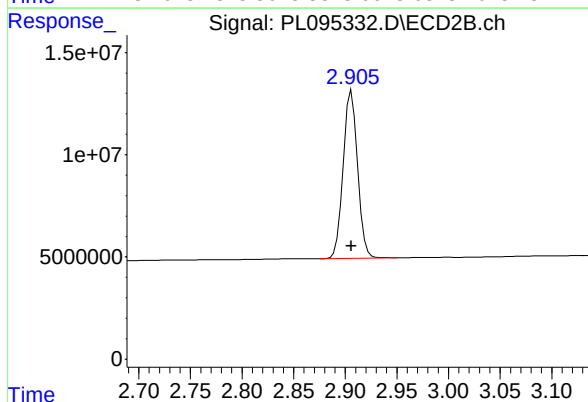
#1 Tetrachloro-m-xylene

R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 82279109
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

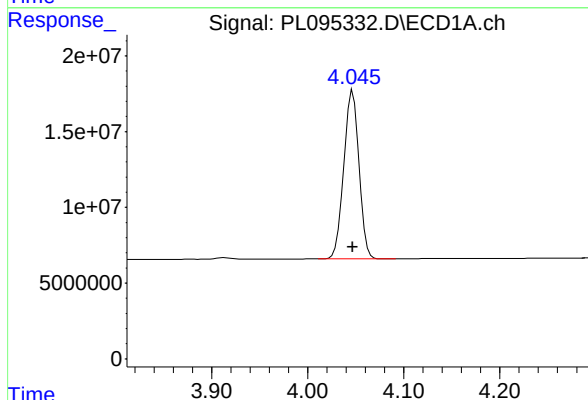
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



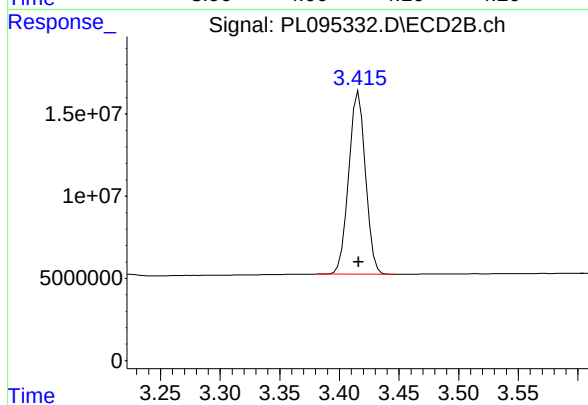
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 79670448
Conc: 25.41 ng/ml



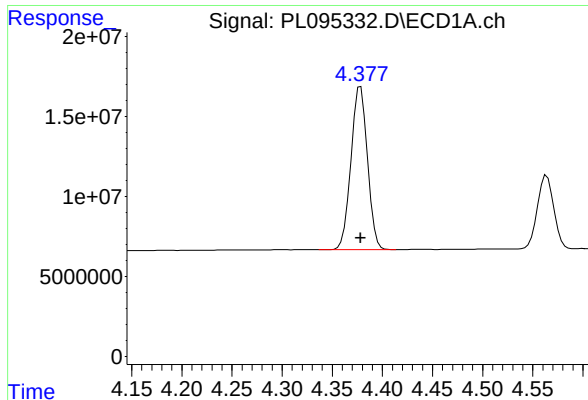
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 121308952
Conc: 24.45 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 108731559
Conc: 24.30 ng/ml



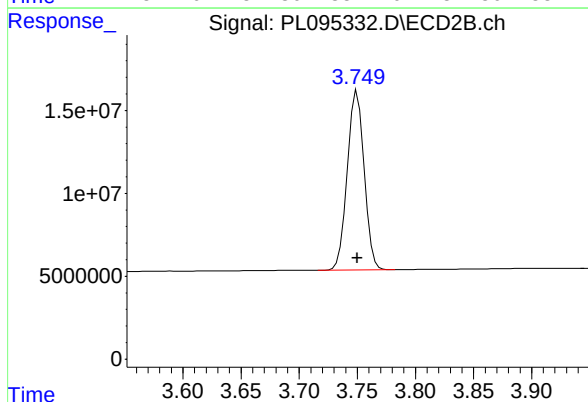
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 116701967
Conc: 24.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

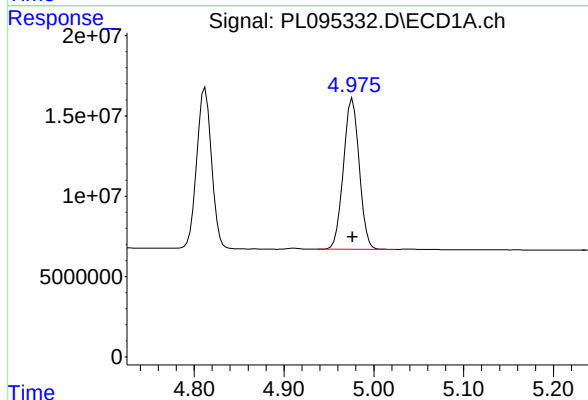
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



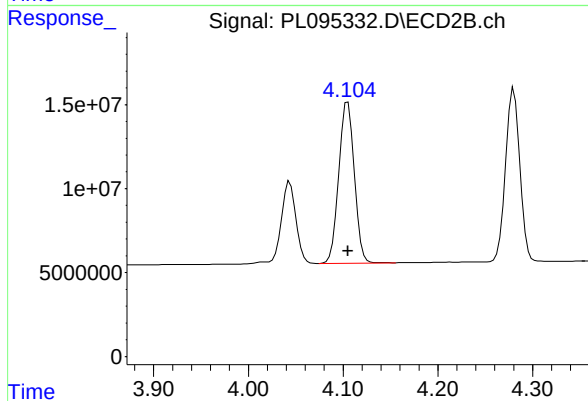
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 108658055
Conc: 24.66 ng/ml



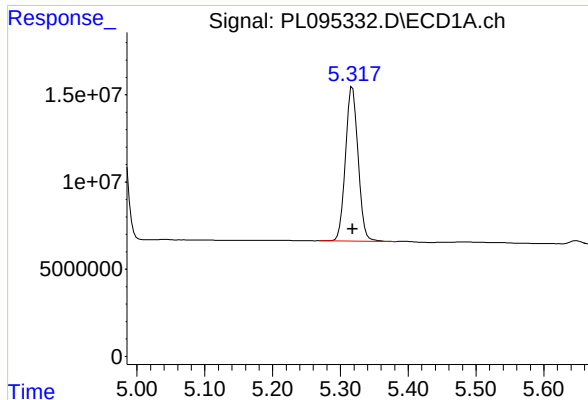
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 114394361
Conc: 25.34 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 109078662
Conc: 25.22 ng/ml



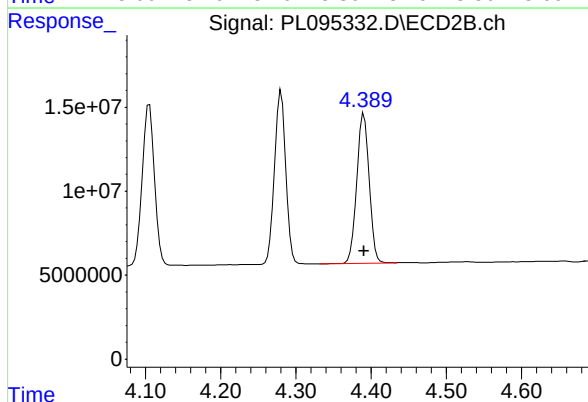
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 113544428
Conc: 24.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

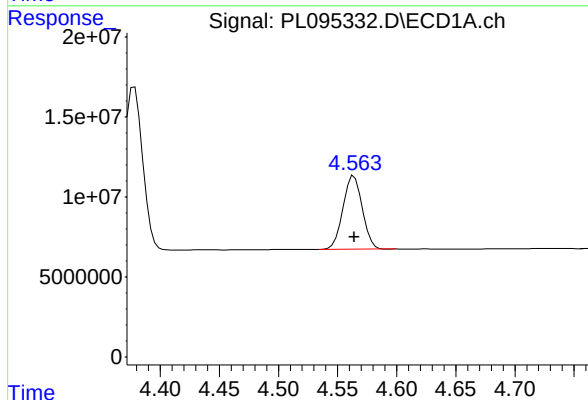
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



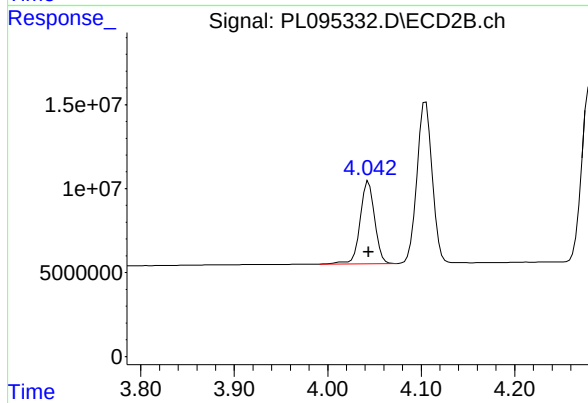
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 102258177
Conc: 24.84 ng/ml



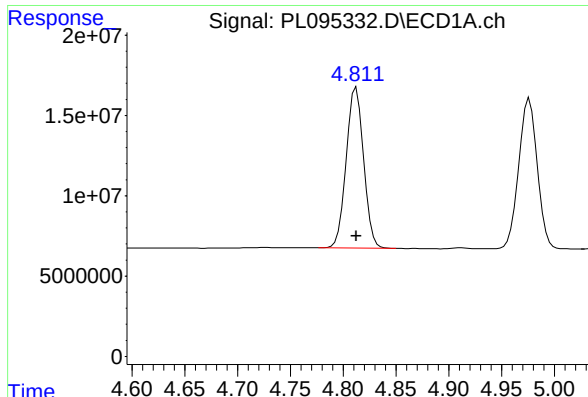
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 52142080
Conc: 25.78 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 53091040
Conc: 26.13 ng/ml



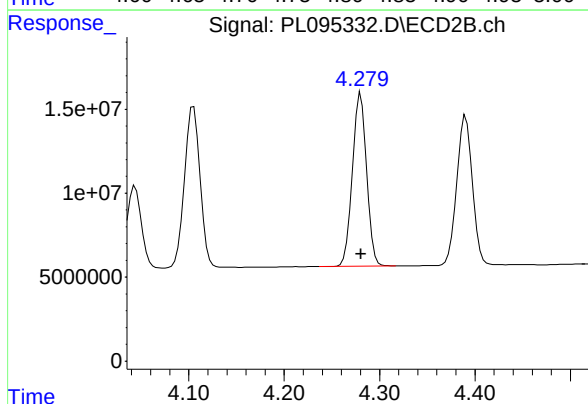
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 114152832
Conc: 24.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

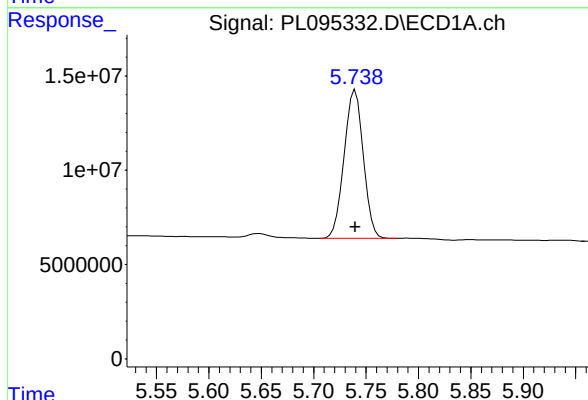
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



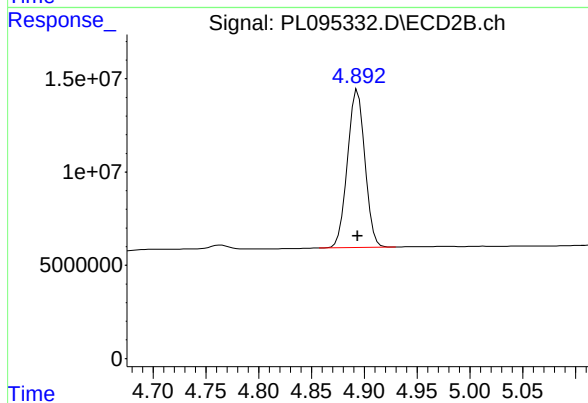
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 107702234
Conc: 24.52 ng/ml



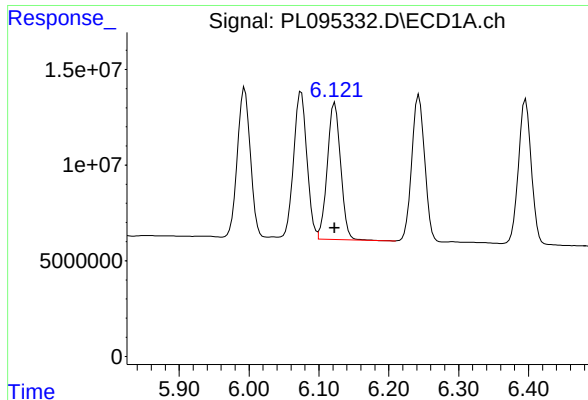
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 100790865
Conc: 25.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 97198123
Conc: 25.44 ng/ml



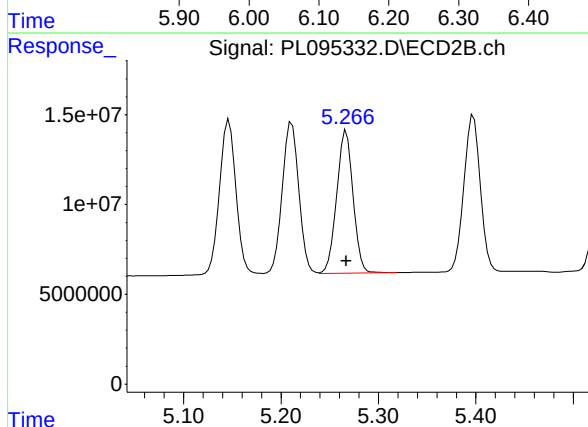
#9 Endosulfan I

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 94665753
Conc: 25.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

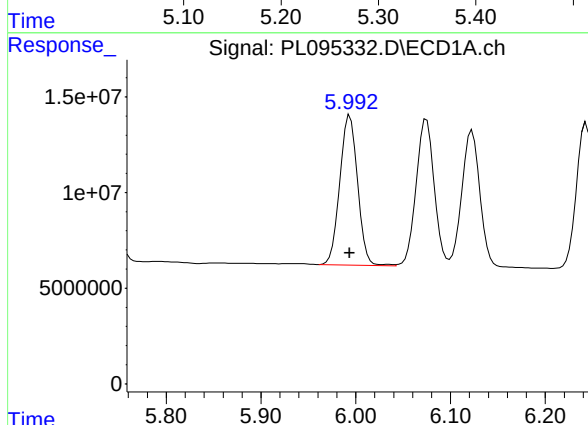
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



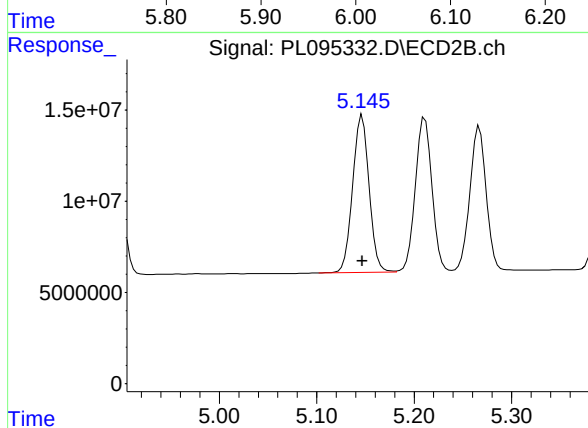
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 92648144
Conc: 25.43 ng/ml



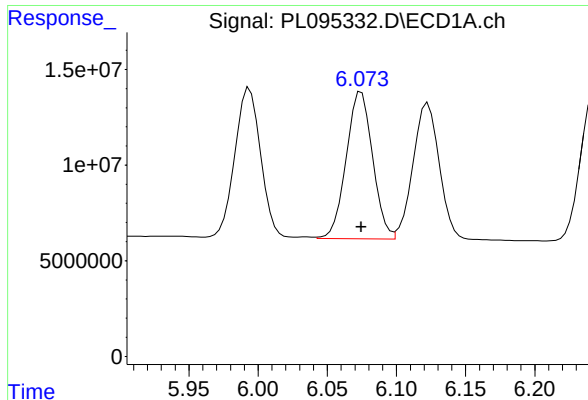
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 101968760
Conc: 25.23 ng/ml



#10 gamma-Chlordane

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 101250223
Conc: 25.27 ng/ml



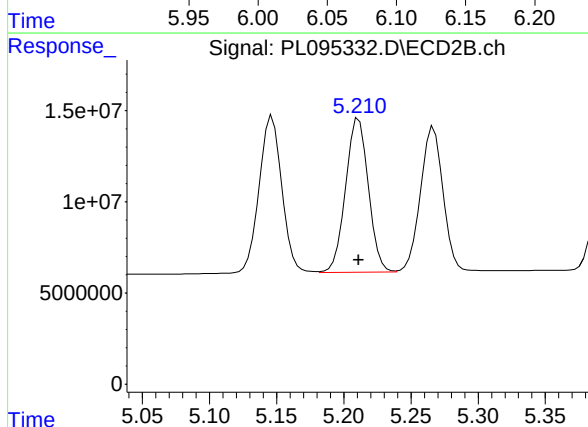
#11 alpha-Chlordane

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 102090791
Conc: 25.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

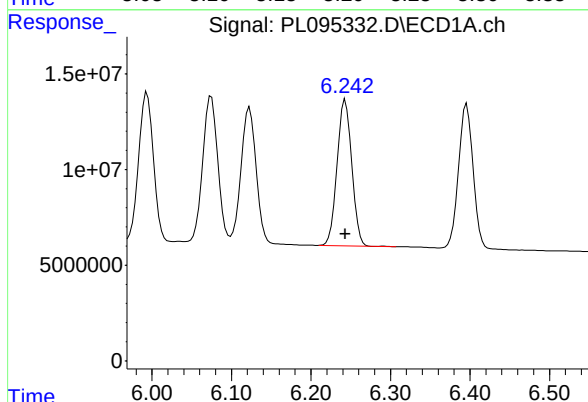
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



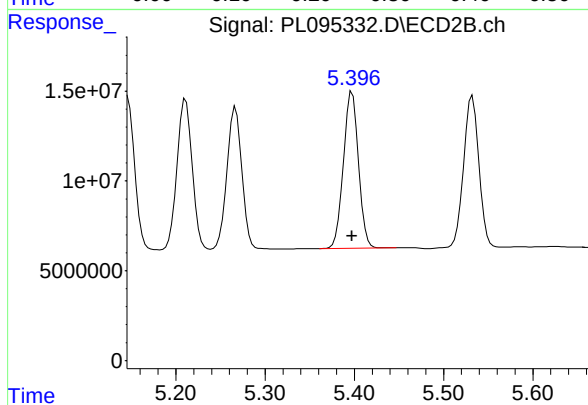
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 100026867
Conc: 25.38 ng/ml



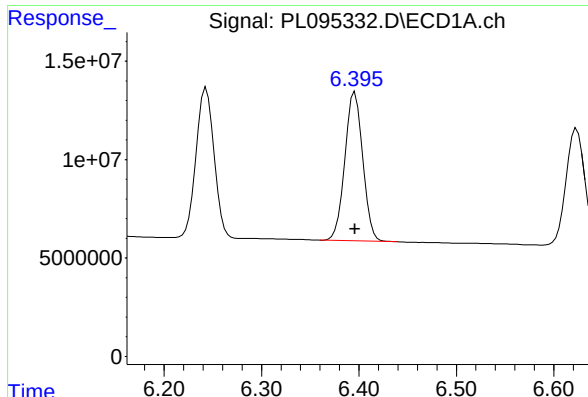
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 98088772
Conc: 25.40 ng/ml



#12 4,4'-DDE

R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 102363973
Conc: 25.30 ng/ml



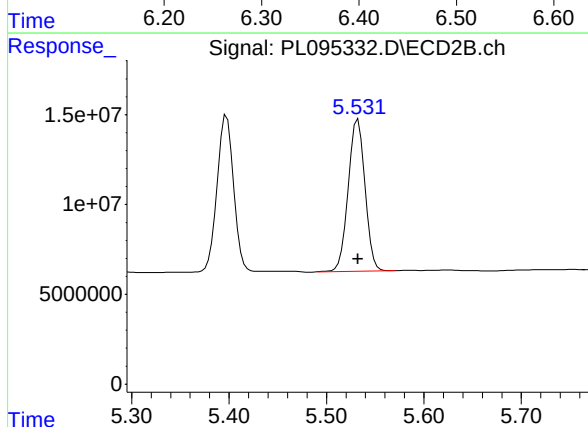
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 96281168
Conc: 25.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

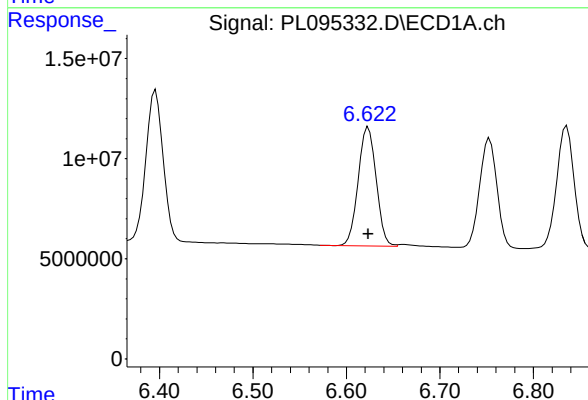
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



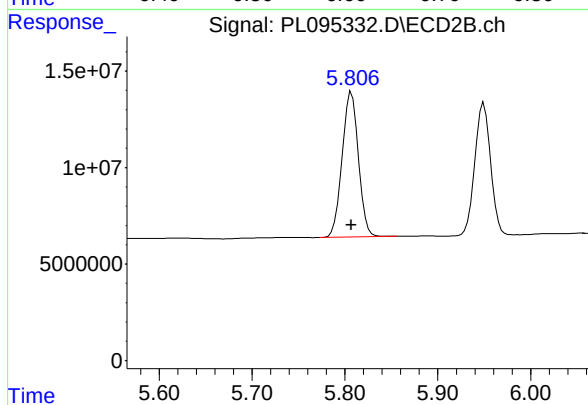
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 101218085
Conc: 25.19 ng/ml



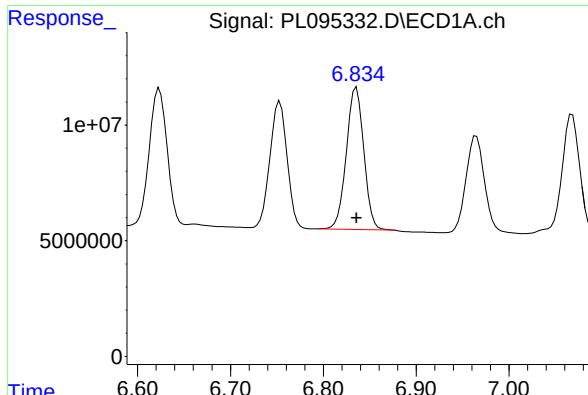
#14 Endrin

R.T.: 6.624 min
Delta R.T.: 0.000 min
Response: 79734368
Conc: 25.45 ng/ml



#14 Endrin

R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 91669531
Conc: 25.33 ng/ml



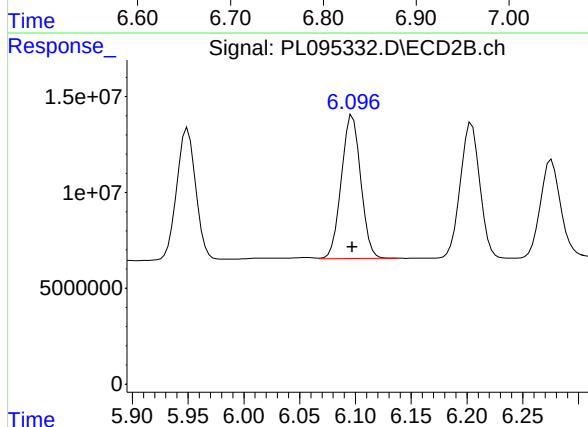
#15 Endosulfan II

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 80317081
Conc: 25.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

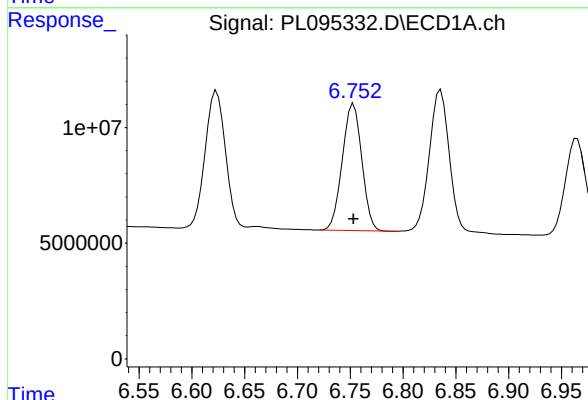
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



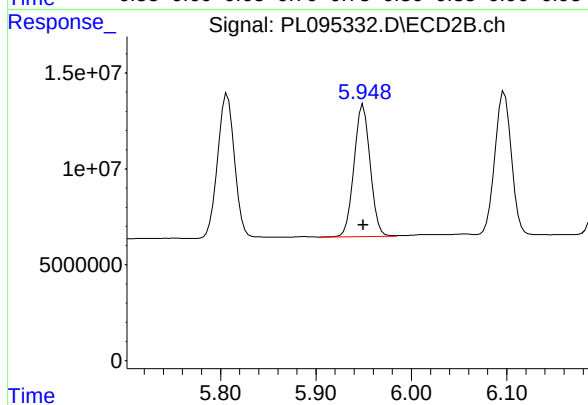
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 90454520
Conc: 25.54 ng/ml



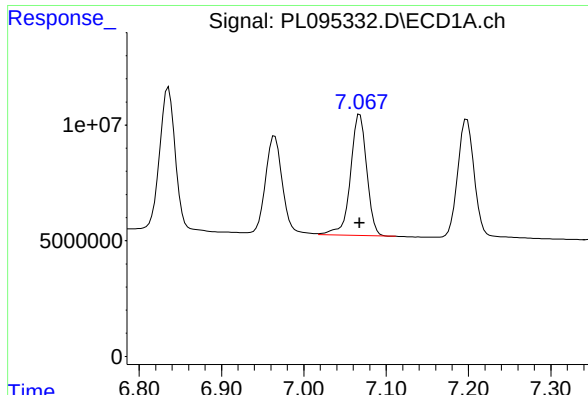
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 70509869
Conc: 25.15 ng/ml



#16 4,4'-DDD

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 81698054
Conc: 25.13 ng/ml



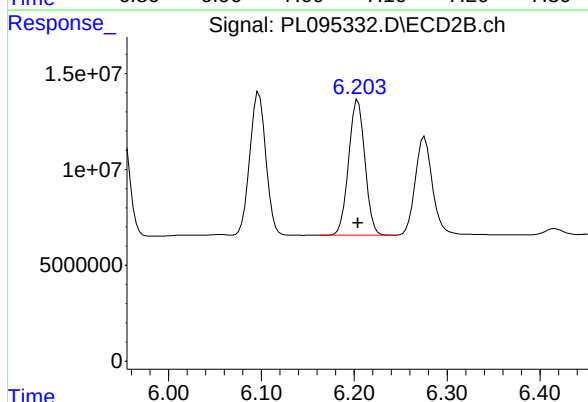
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 71529390
Conc: 25.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

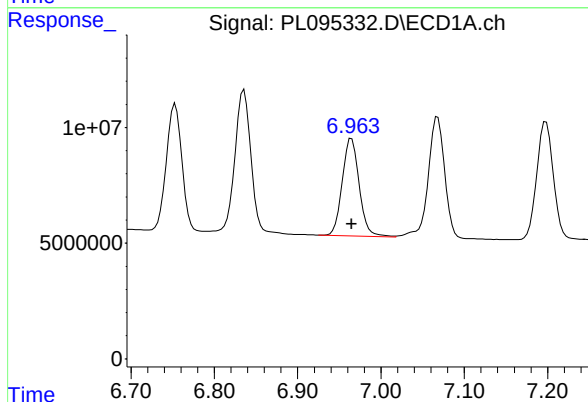
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



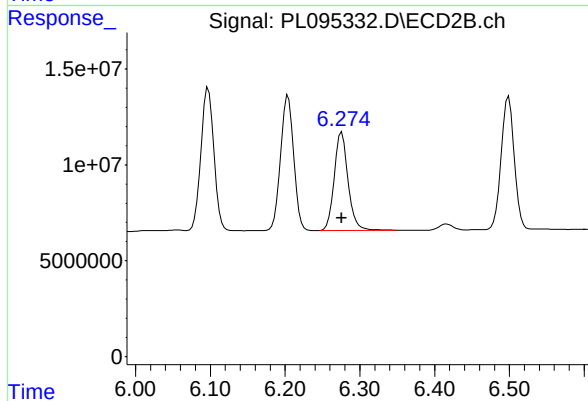
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 86031617
Conc: 25.00 ng/ml



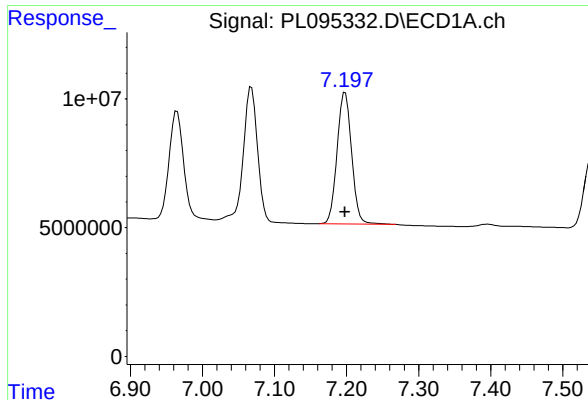
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 59366165
Conc: 26.01 ng/ml



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 66150972
Conc: 25.65 ng/ml



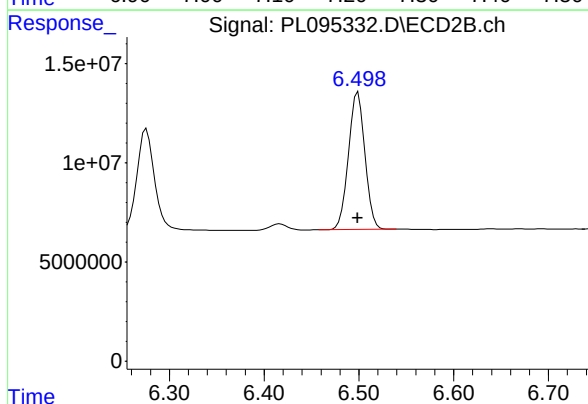
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 71073932
Conc: 25.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

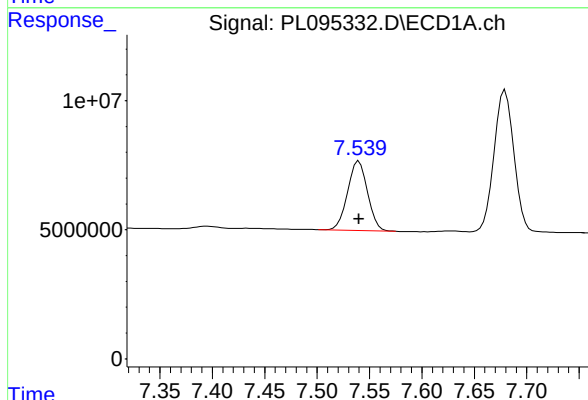
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



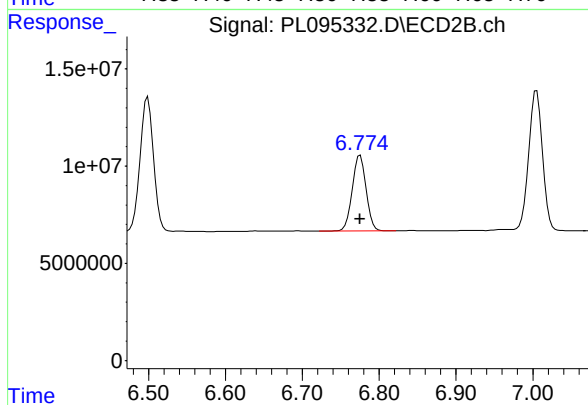
#19 Endosulfan Sulfate

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 83744169
Conc: 25.64 ng/ml



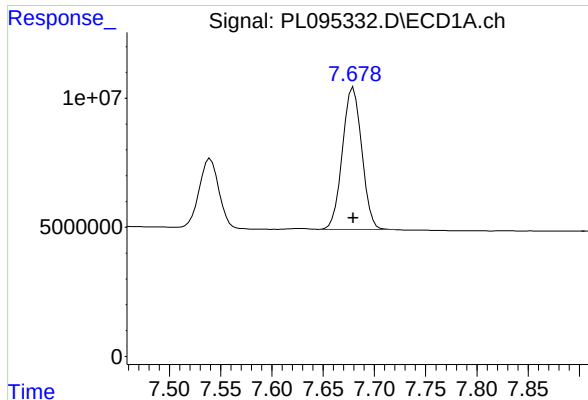
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 35648257
Conc: 26.13 ng/ml



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 48736354
Conc: 26.05 ng/ml



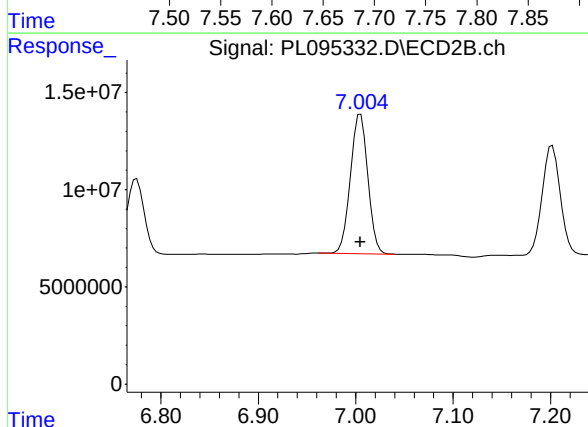
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 72029844
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

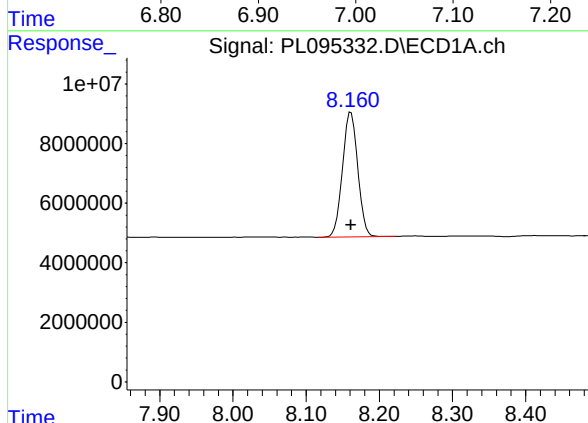
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



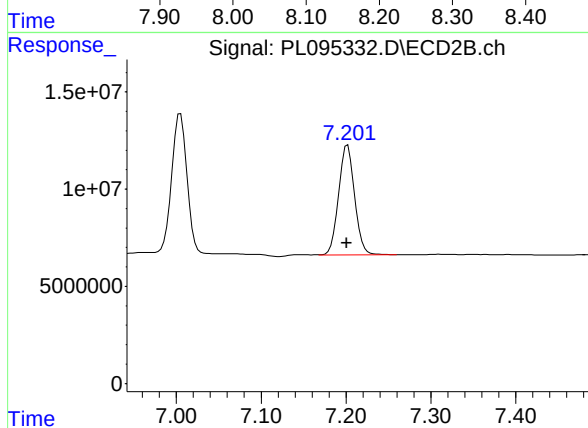
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 88886335
Conc: 25.48 ng/ml



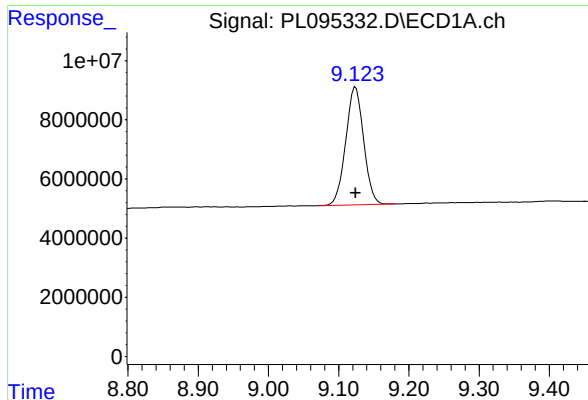
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 60846386
Conc: 26.71 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 74131947
Conc: 26.37 ng/ml m



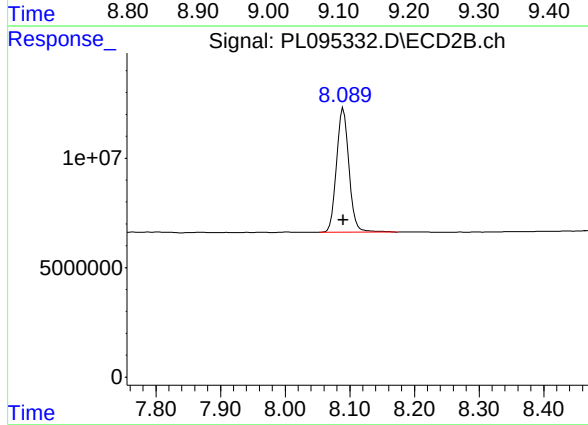
#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 70535847
Conc: 26.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 76004301
Conc: 26.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:26
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 12:35:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:35:34 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...	3.595	2.905	17226547	16774274	5.277	5.275
28) SA Decachlor...	9.124	8.089	15494795	15593893	5.592	5.270
Target Compounds						
2) A alpha-BHC	4.046	3.415	24630161	21718521	4.972	4.882
3) MA gamma-BHC...	4.378	3.749	24047920	21843021	5.080	4.966
4) MA Heptachlor	4.976	4.104	24089854	22426031	5.266	5.147
5) MB Aldrin	5.317	4.389	23939616	20545826	5.212	4.992
6) B beta-BHC	4.564	4.043	11239021	11256224	5.436	5.422
7) B delta-BHC	4.812	4.280	24459248	21692758	5.259	4.950
8) B Heptachlo...	5.739	4.893	21350448	20141703	5.331	5.214
9) A Endosulfan I	6.122	5.266	20308048	18652835	5.348	5.096
10) B gamma-Chl...	5.993	5.146	21145113	21190077	5.183	5.229
11) B alpha-Chl...	6.074	5.210	21268601	20714715	5.231	5.203
12) B 4,4'-DDE	6.242	5.397	20770904	20747185	5.298	5.101
13) MA Dieldrin	6.396	5.532	19971571	21318751	5.181	5.242
14) MA Endrin	6.622	5.806	16946885	18649649	5.321	5.123
15) B Endosulfa...	6.835	6.097	17567027	18938000	5.503	5.274
16) A 4,4'-DDD	6.753	5.949	14708945	16655803	5.196	5.099
17) MA 4,4'-DDT	7.068	6.204	14262305	17073765	5.007	4.969
18) B Endrin al...	6.964	6.275	12367450	13751187	5.329	5.262
19) B Endosulfa...	7.198	6.498	15108097	17635344	5.392	5.315
20) A Methoxychlor	7.540	6.774	7589024	10262527	5.440	5.380
21) B Endrin ke...	7.679	7.004	15300793	18268527	5.367	5.188
22) Mirex	8.161	7.200	13844446	15752969	5.827	5.469m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

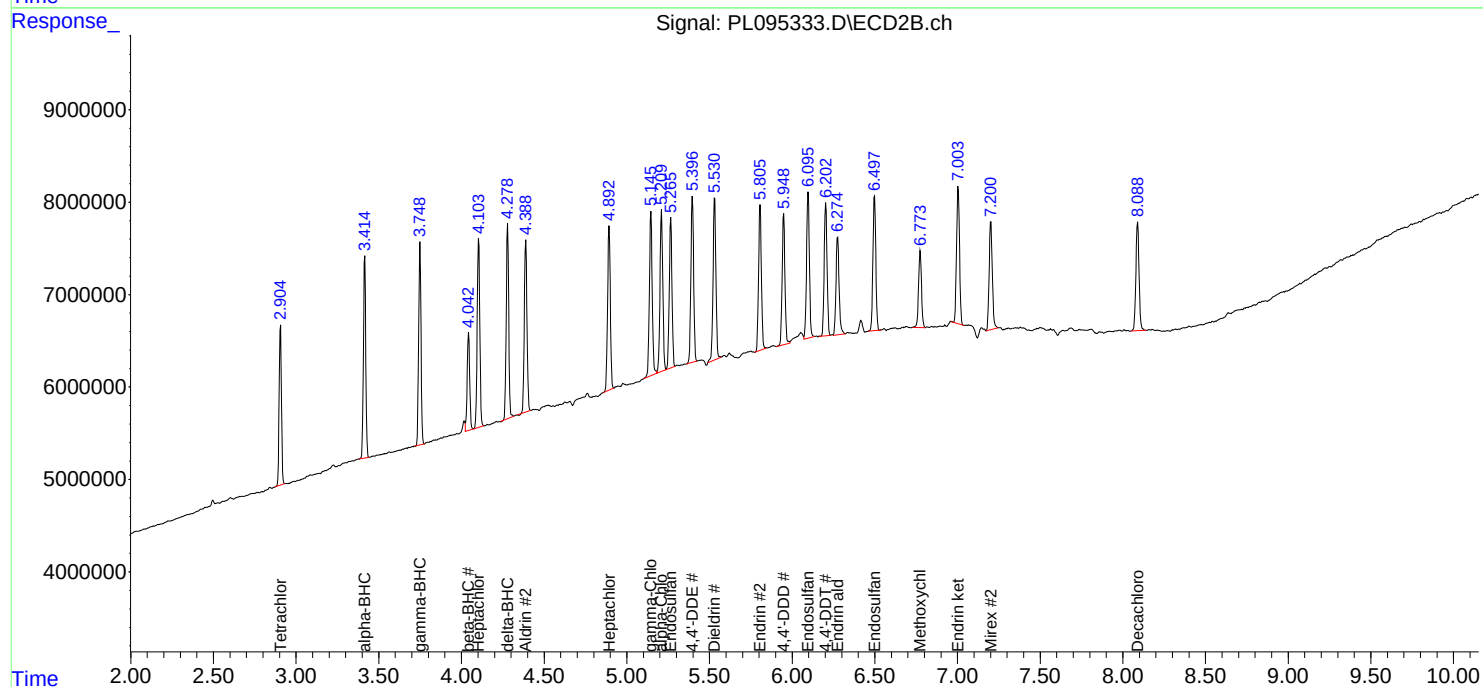
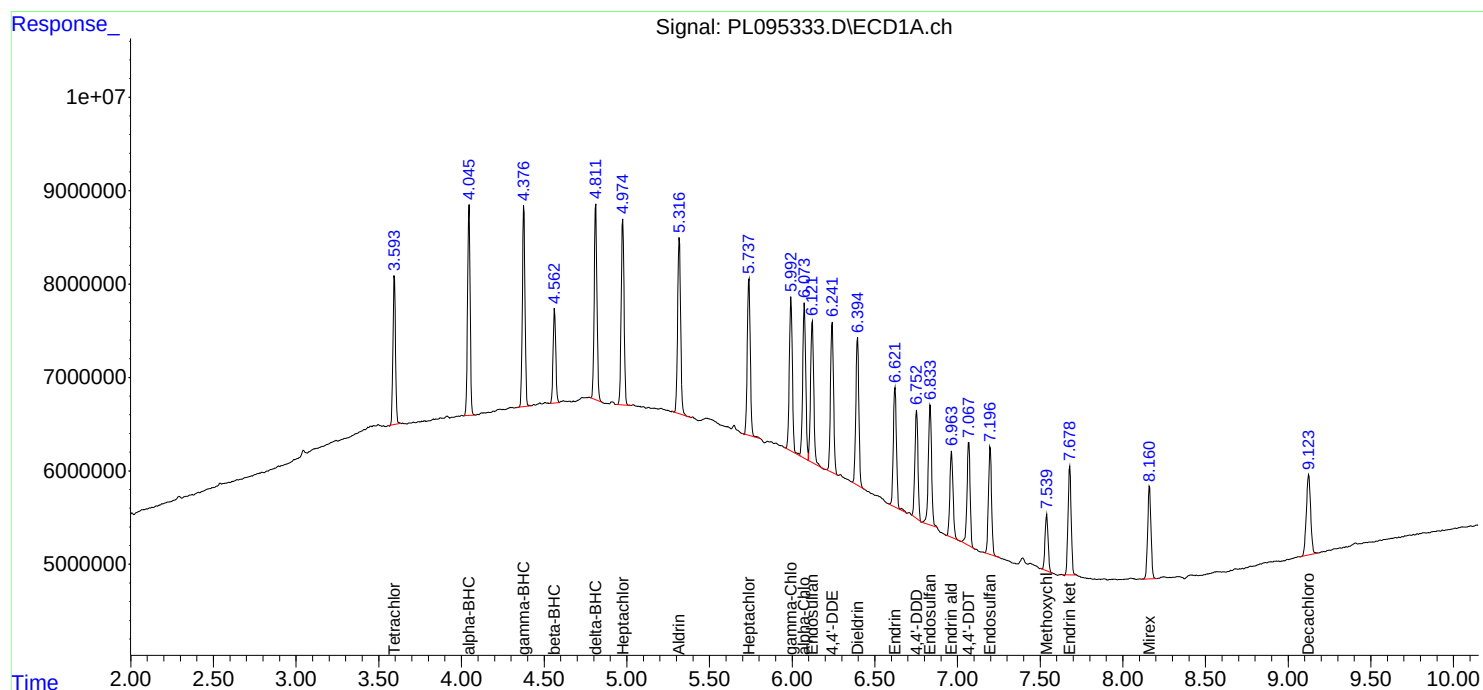
APPROVED

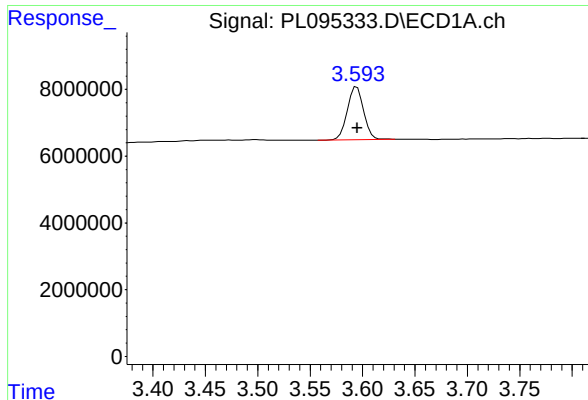
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 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.: 3.595 min
Delta R.T.: 0.000 min
Response: 17226547
Conc: 5.28 ng/ml

Instrument :

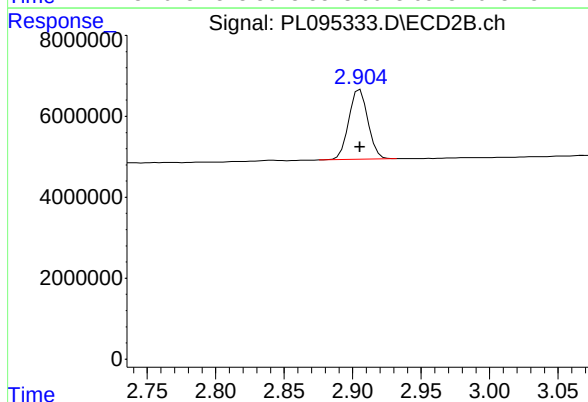
ECD_L

ClientSampleId :

PSTDICC005

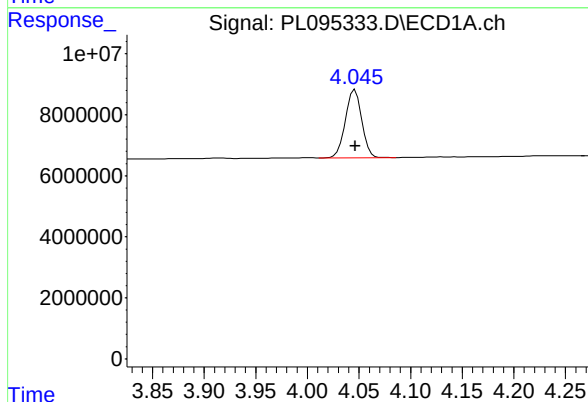
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



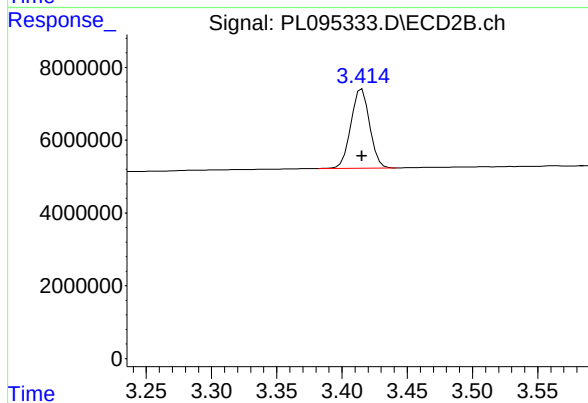
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 16774274
Conc: 5.28 ng/ml



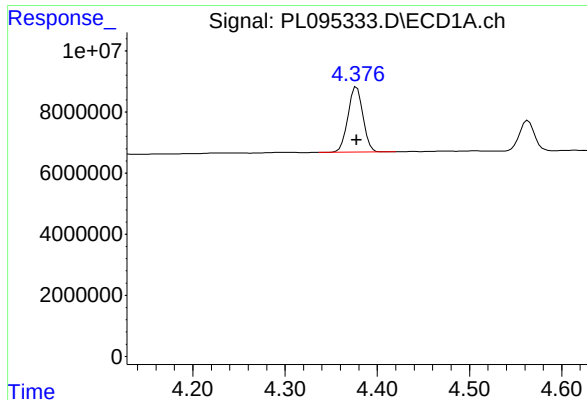
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 24630161
Conc: 4.97 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 21718521
Conc: 4.88 ng/ml



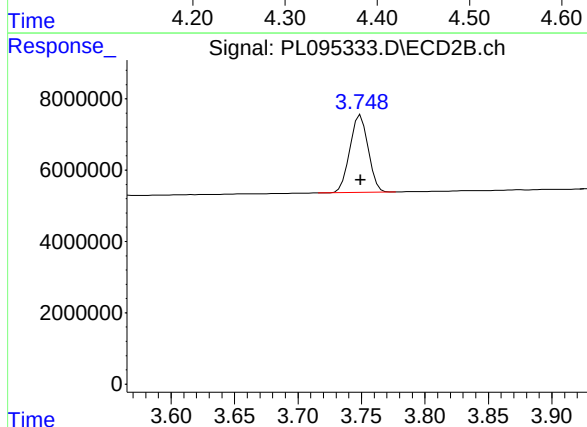
#3 gamma-BHC (Lindane)

R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 24047920
Conc: 5.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

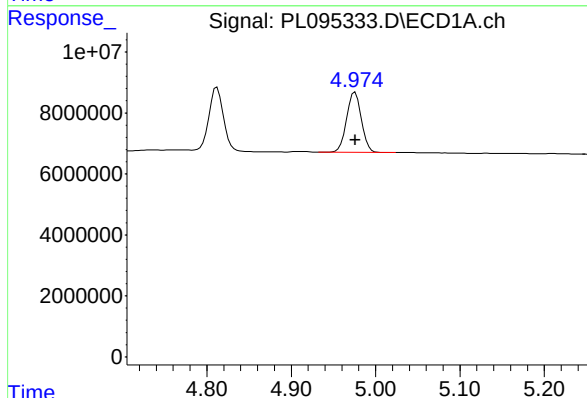
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



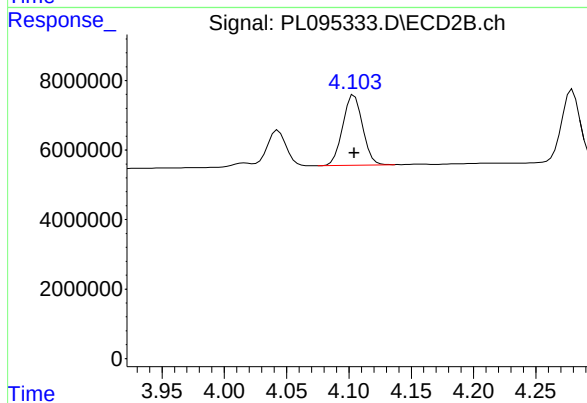
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 21843021
Conc: 4.97 ng/ml



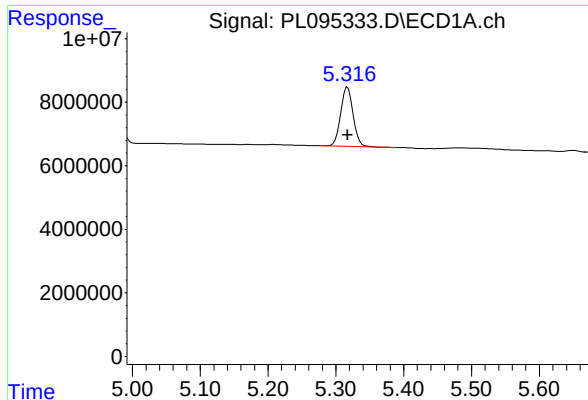
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 24089854
Conc: 5.27 ng/ml



#4 Heptachlor

R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 22426031
Conc: 5.15 ng/ml



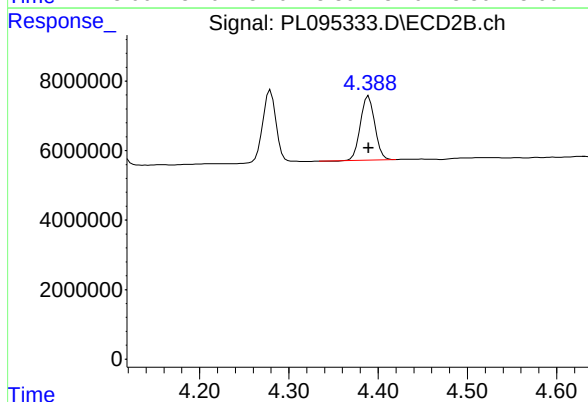
#5 Aldrin

R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 23939616
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

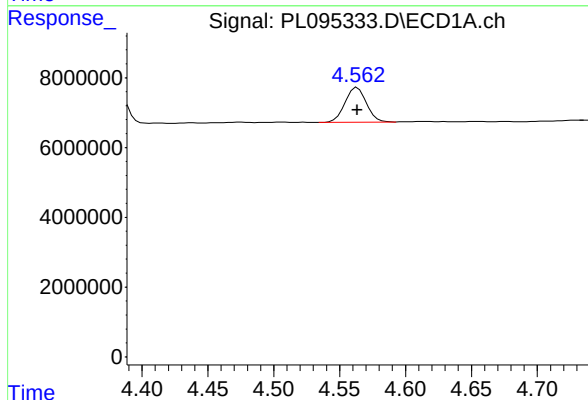
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



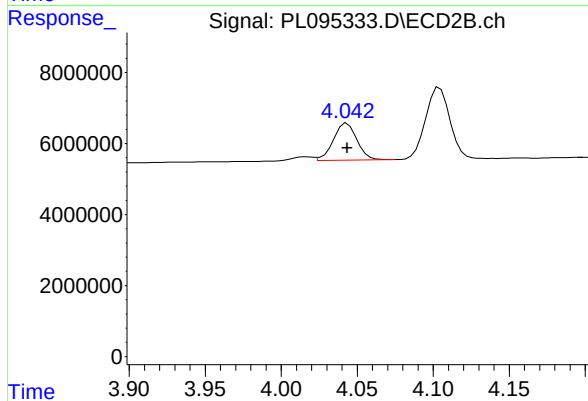
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 20545826
Conc: 4.99 ng/ml



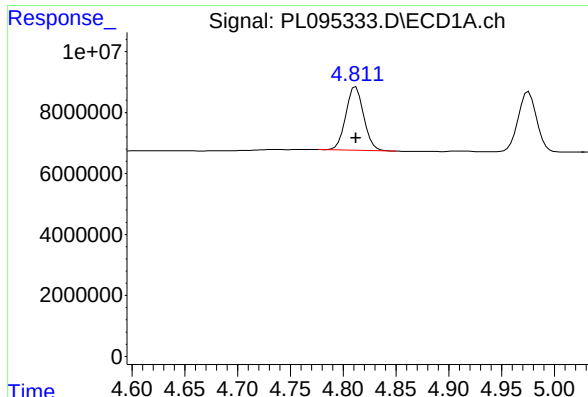
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 11239021
Conc: 5.44 ng/ml



#6 beta-BHC

R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 11256224
Conc: 5.42 ng/ml



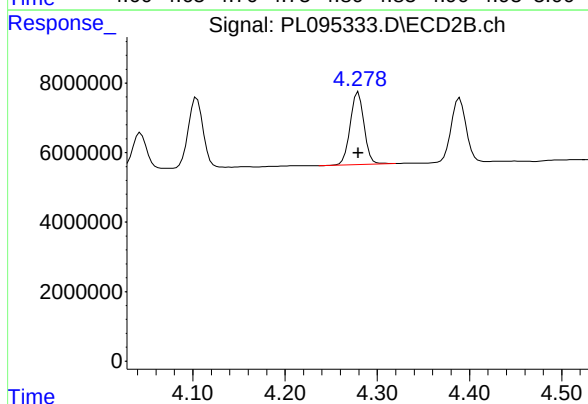
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 24459248
Conc: 5.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

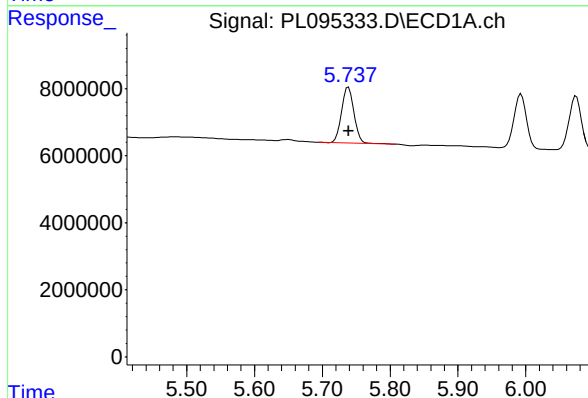
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



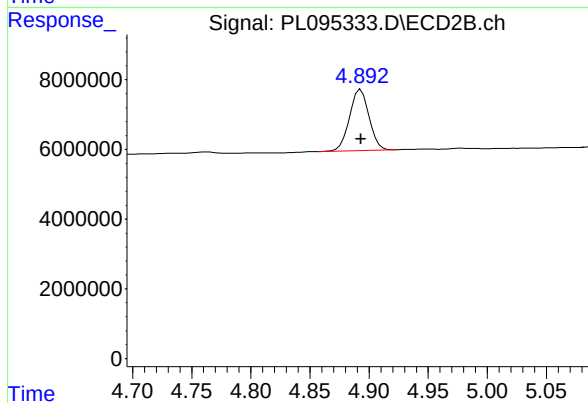
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 21692758
Conc: 4.95 ng/ml



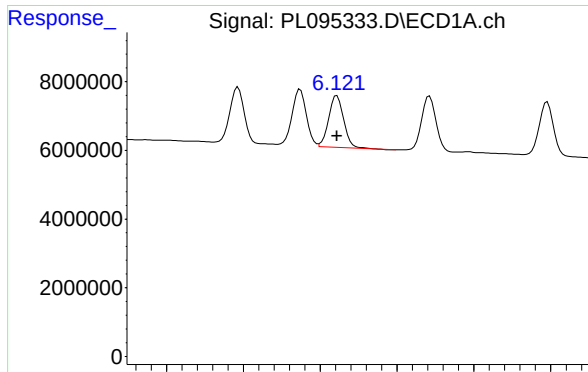
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 21350448
Conc: 5.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 20141703
Conc: 5.21 ng/ml



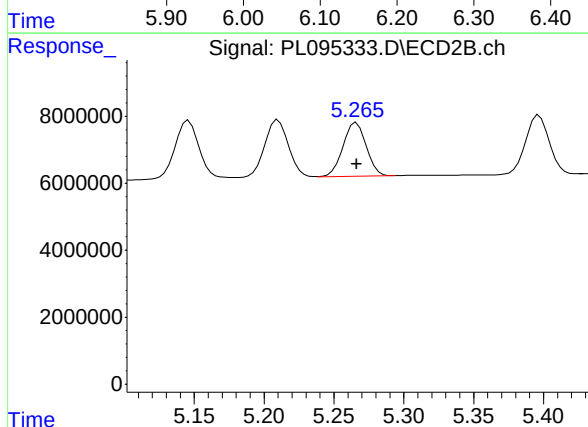
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 20308048
Conc: 5.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

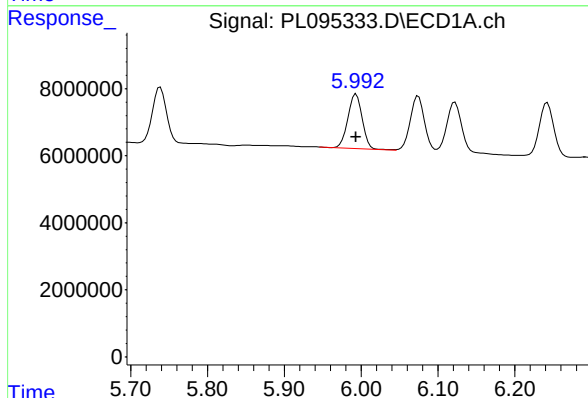
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



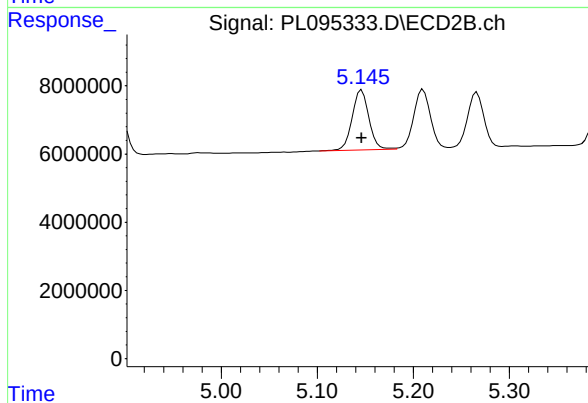
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 18652835
Conc: 5.10 ng/ml



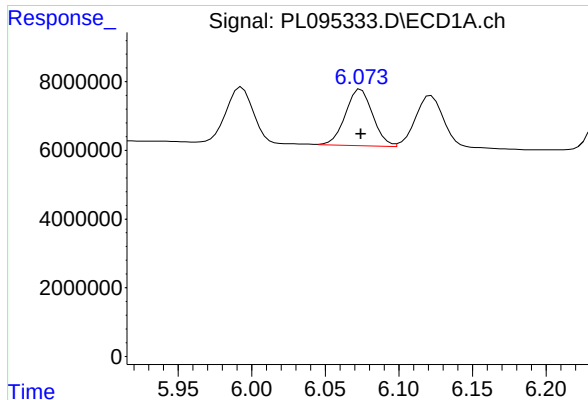
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 21145113
Conc: 5.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 21190077
Conc: 5.23 ng/ml



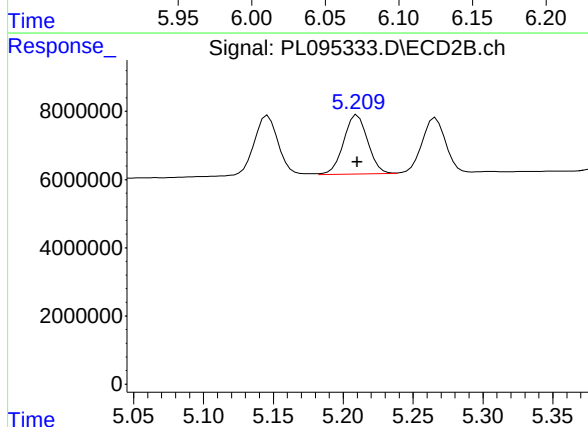
#11 alpha-Chlordane

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 21268601
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

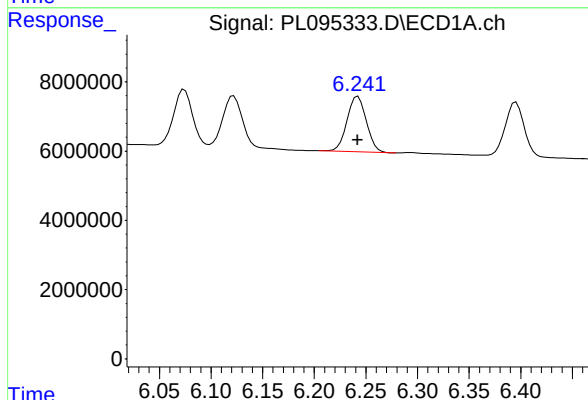
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



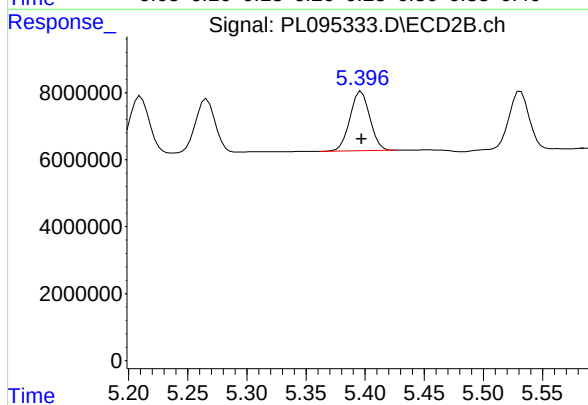
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 20714715
Conc: 5.20 ng/ml



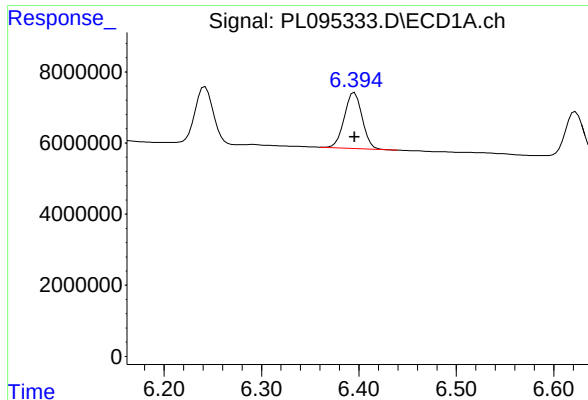
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 20770904
Conc: 5.30 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 20747185
Conc: 5.10 ng/ml



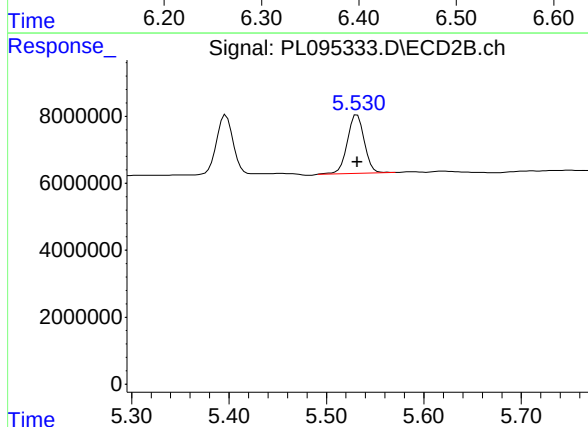
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 19971571
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

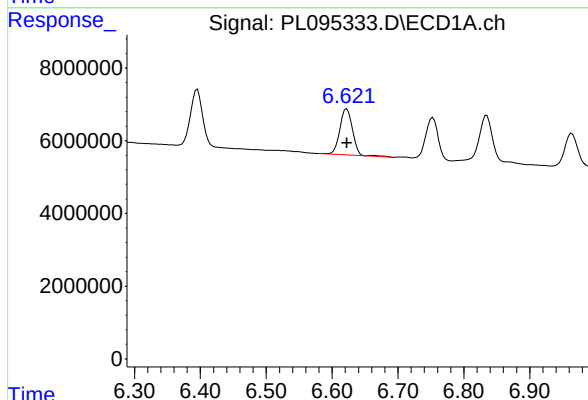
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



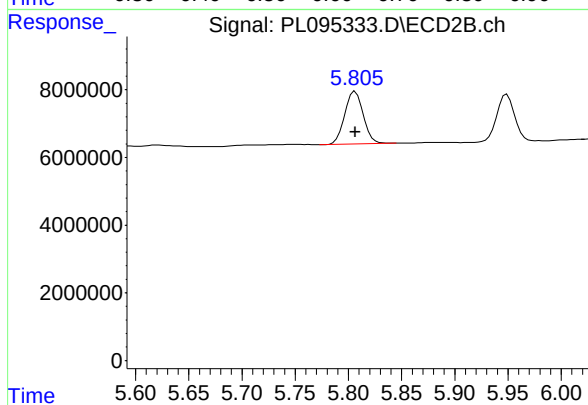
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 21318751
Conc: 5.24 ng/ml



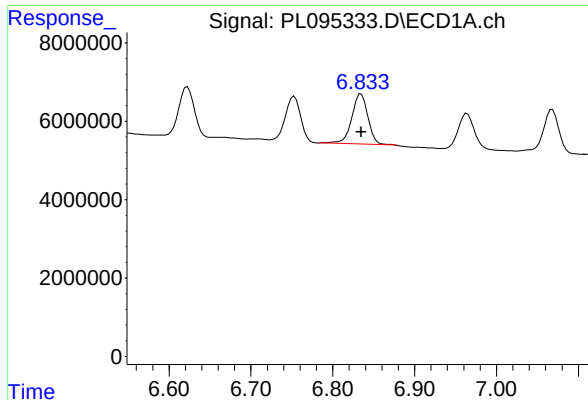
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 16946885
Conc: 5.32 ng/ml



#14 Endrin

R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 18649649
Conc: 5.12 ng/ml



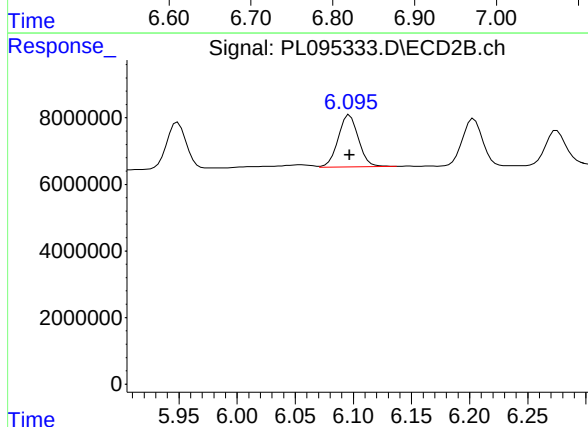
#15 Endosulfan II

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 17567027
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

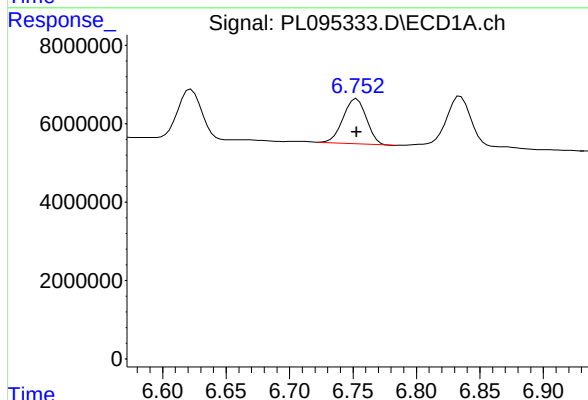
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



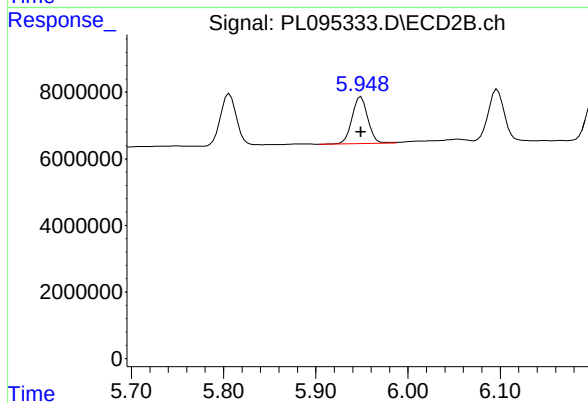
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 18938000
Conc: 5.27 ng/ml



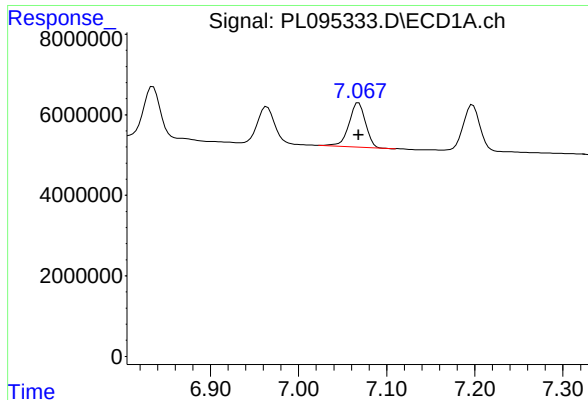
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 14708945
Conc: 5.20 ng/ml



#16 4,4'-DDD

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 16655803
Conc: 5.10 ng/ml



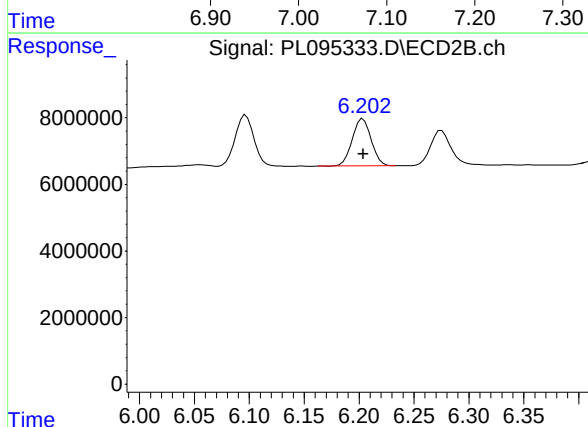
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 14262305
Conc: 5.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

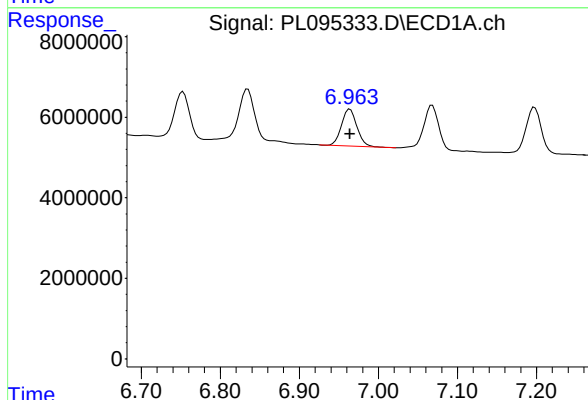
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



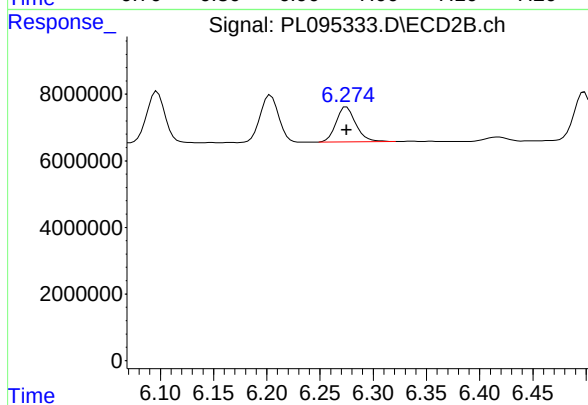
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 17073765
Conc: 4.97 ng/ml



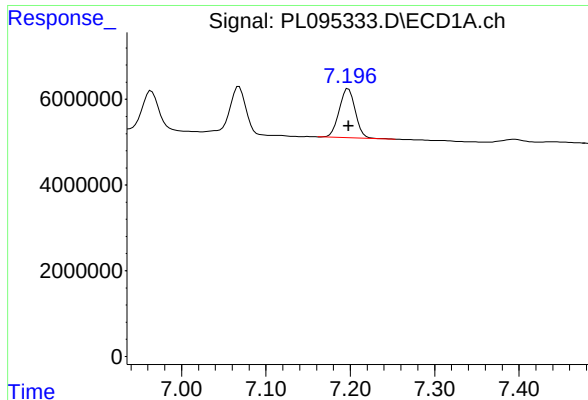
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 12367450
Conc: 5.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 13751187
Conc: 5.26 ng/ml



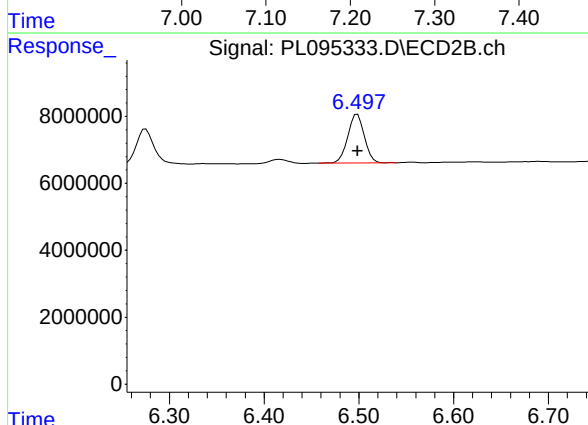
#19 Endosulfan Sulfate

R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 15108097
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

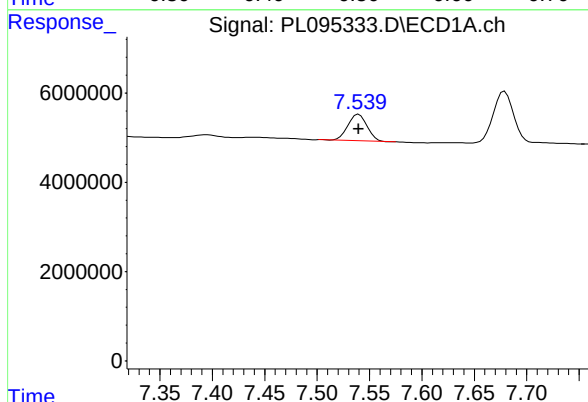
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



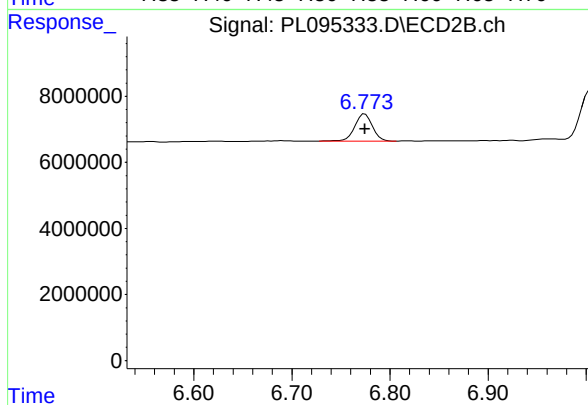
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 17635344
Conc: 5.32 ng/ml



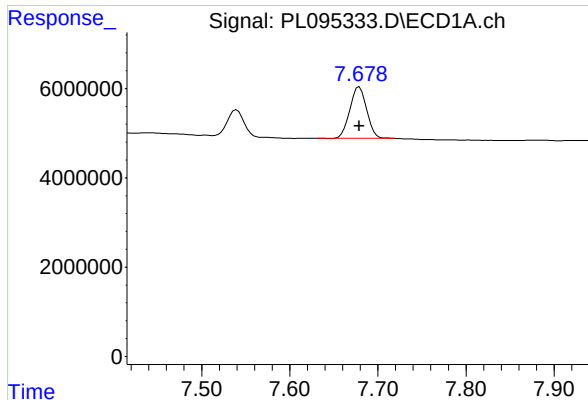
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 7589024
Conc: 5.44 ng/ml



#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 10262527
Conc: 5.38 ng/ml



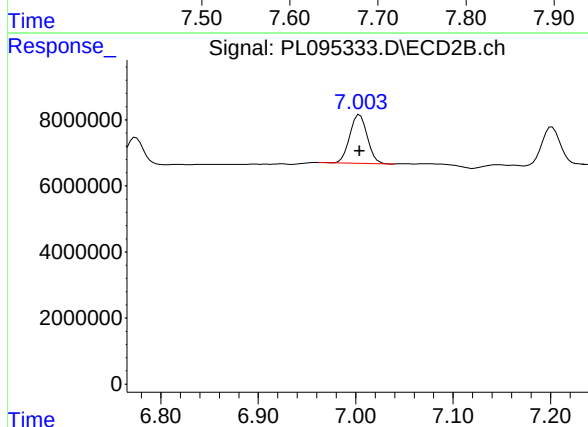
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 15300793
Conc: 5.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

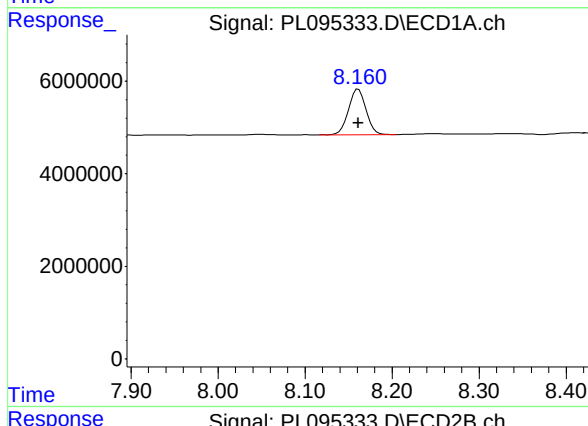
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



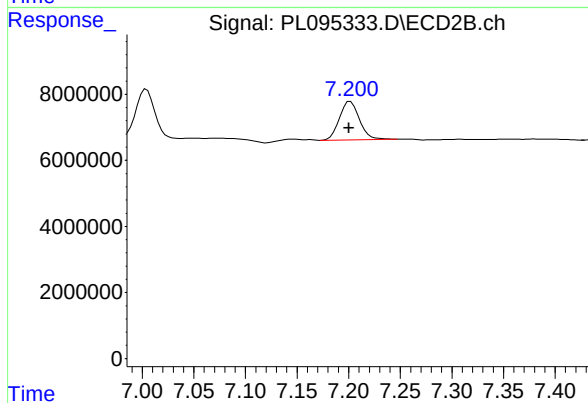
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 18268527
Conc: 5.19 ng/ml



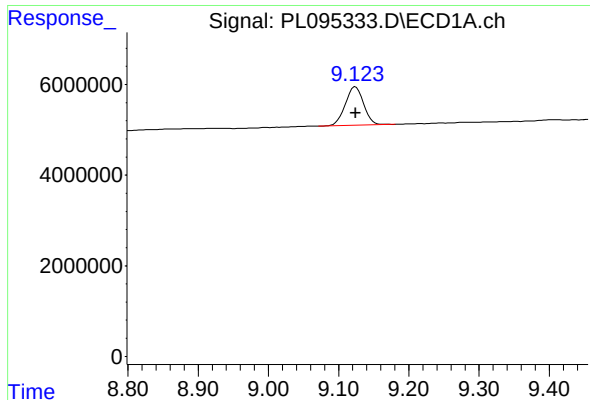
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 13844446
Conc: 5.83 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: 0.000 min
Response: 15752969
Conc: 5.47 ng/ml m



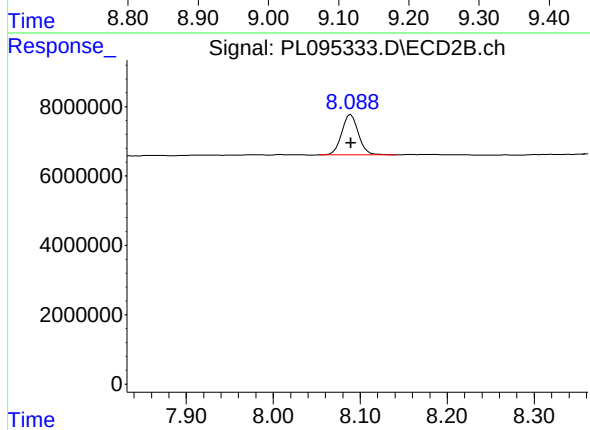
#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 15494795
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 15593893
Conc: 5.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
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: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 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...	3.595	2.906	161.9E6	195.6E6	50.000	50.000
28) SA Decachlor...	9.123	8.089	135.2E6	145.1E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.762	3.926	98361472	76159147	500.000	500.000
24) Chlordane-2	5.288	4.508	106.9E6	90786464	500.000	500.000
25) Chlordane-3	5.994	5.146	390.5E6	258.0E6	500.000	500.000
26) Chlordane-4	6.079	5.210	472.5E6	216.5E6	500.000	500.000
27) Chlordane-5	6.919	6.106	74901227	91342128	500.000	500.000

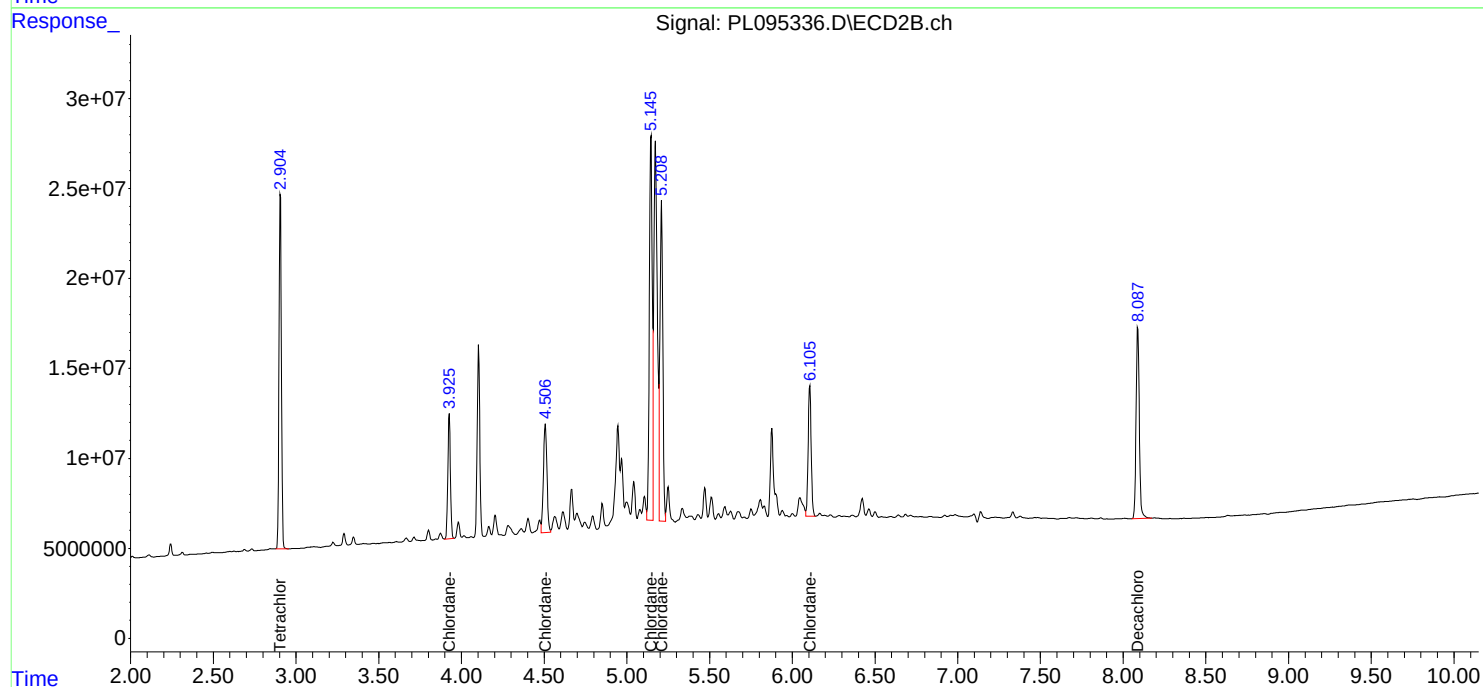
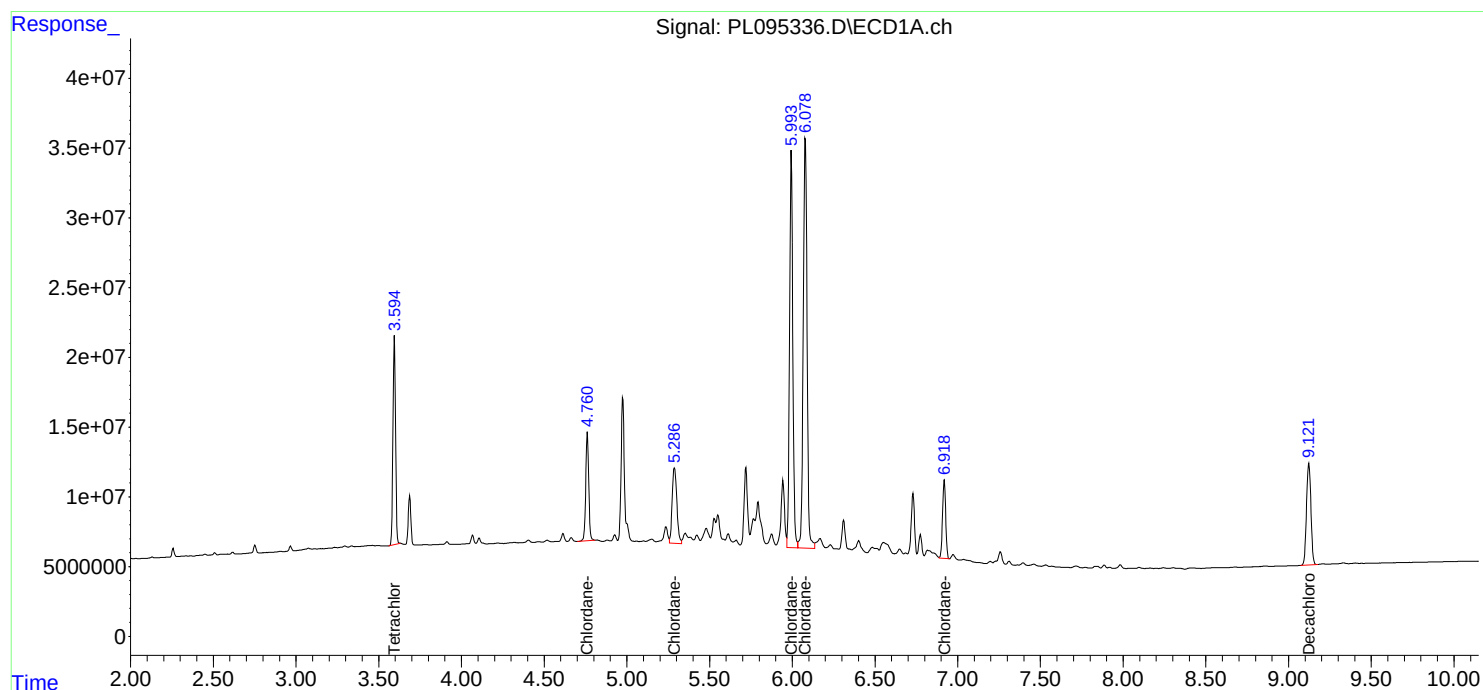
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

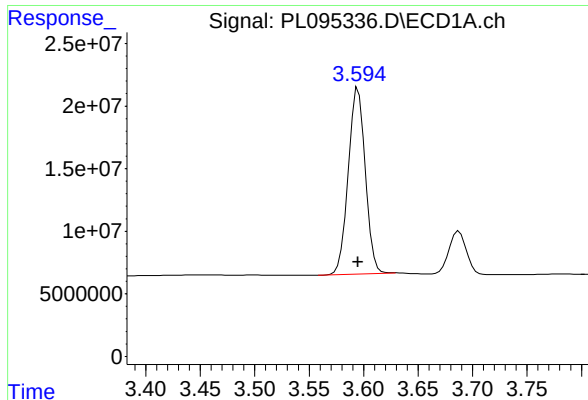
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 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

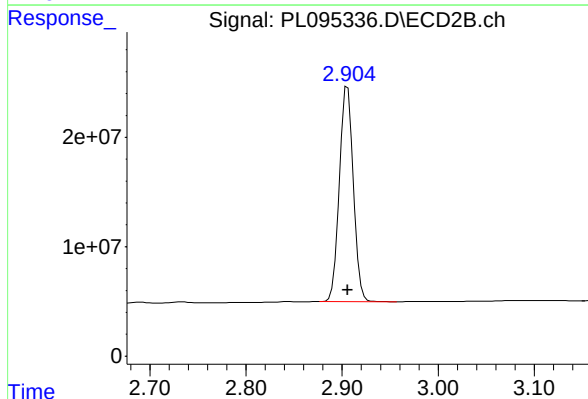




#1 Tetrachloro-m-xylene

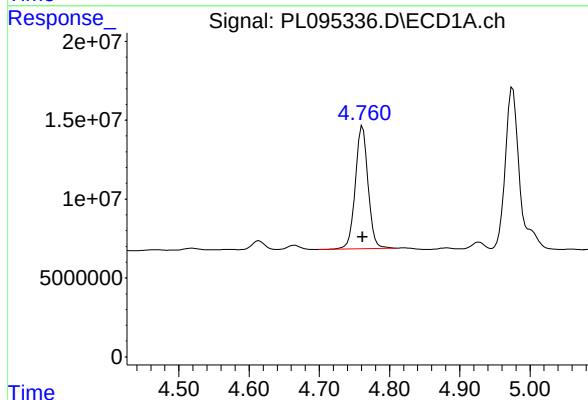
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 161889270
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



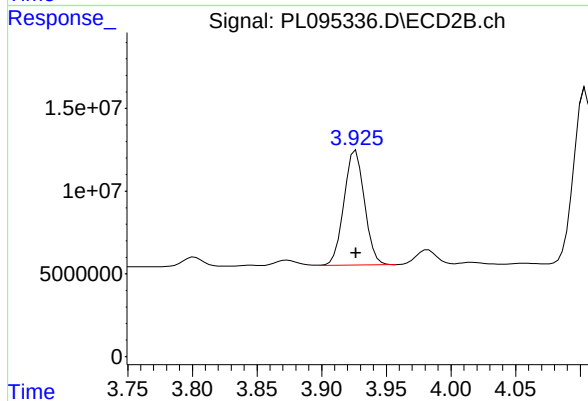
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 195640523
Conc: 50.00 ng/ml



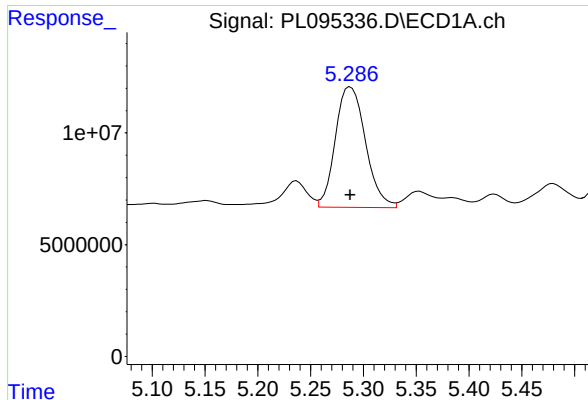
#23 Chlordane-1

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 98361472
Conc: 500.00 ng/ml



#23 Chlordane-1

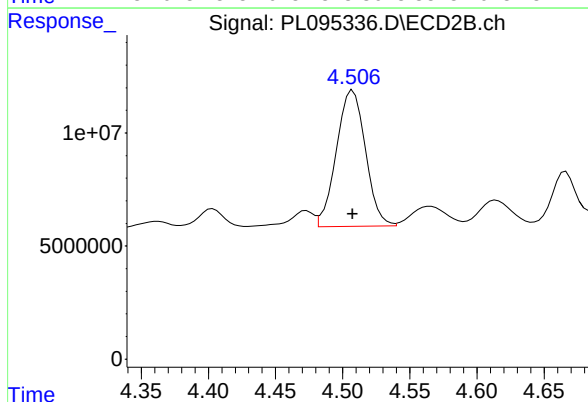
R.T.: 3.926 min
Delta R.T.: 0.000 min
Response: 76159147
Conc: 500.00 ng/ml



#24 Chlordane-2

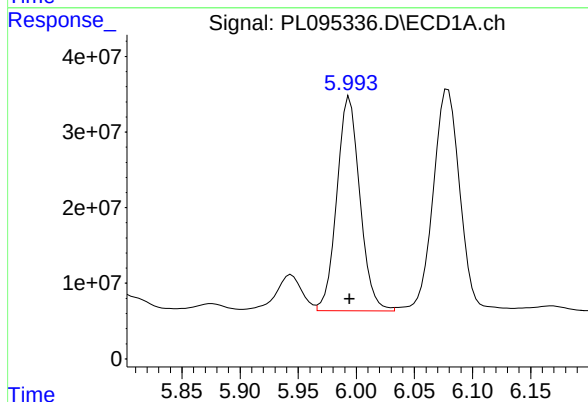
R.T.: 5.288 min
Delta R.T.: 0.000 min
Response: 106912869
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



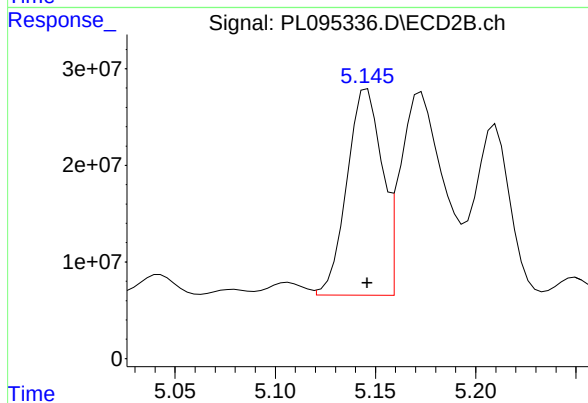
#24 Chlordane-2

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 90786464
Conc: 500.00 ng/ml



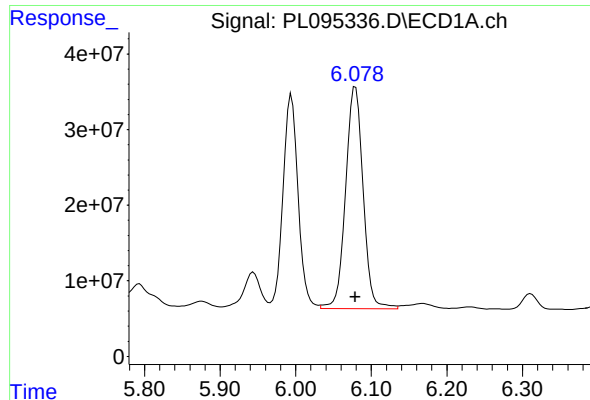
#25 Chlordane-3

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 390489339
Conc: 500.00 ng/ml



#25 Chlordane-3

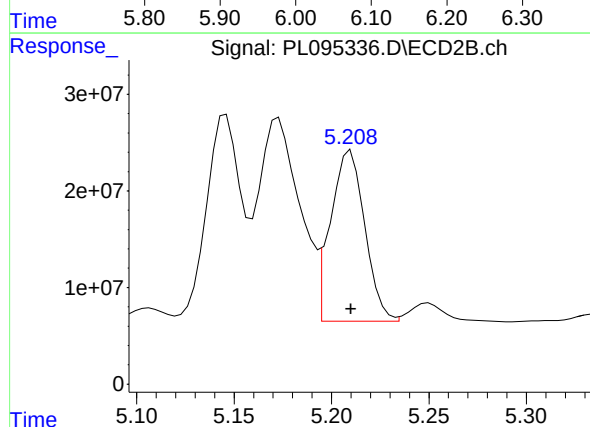
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 258034387
Conc: 500.00 ng/ml



#26 Chlordane-4

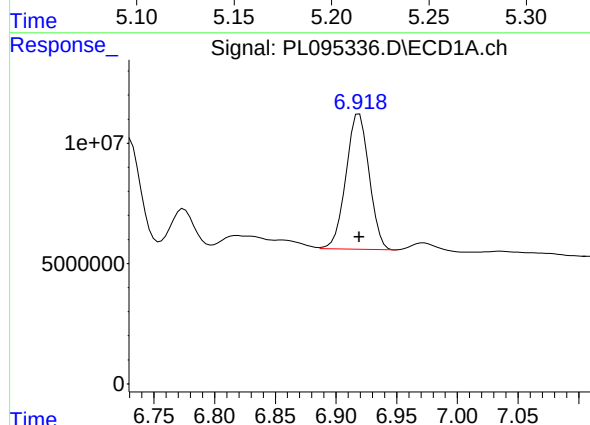
R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 472546188
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



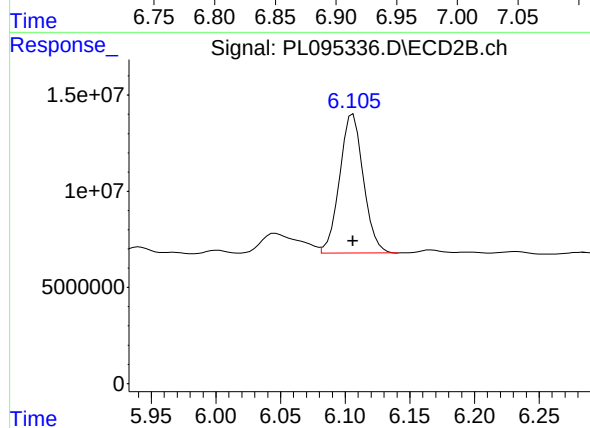
#26 Chlordane-4

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 216529044
Conc: 500.00 ng/ml



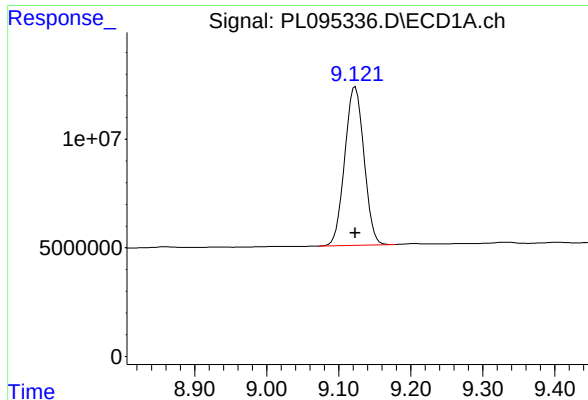
#27 Chlordane-5

R.T.: 6.919 min
Delta R.T.: 0.000 min
Response: 74901227
Conc: 500.00 ng/ml



#27 Chlordane-5

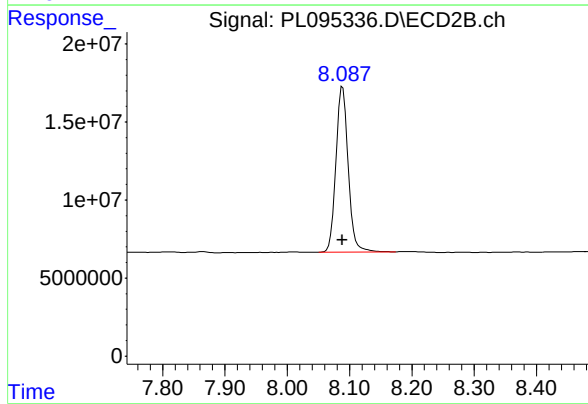
R.T.: 6.106 min
Delta R.T.: 0.000 min
Response: 91342128
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.123 min
Delta R.T.: 0.000 min
Response: 135170504
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 145132044
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
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: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 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...	3.594	2.905	170.6E6	165.2E6	50.000	50.000
7) SA Decachlor...	9.120	8.087	144.3E6	152.4E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.288	5.165	14117602	12301124	500.000	500.000
3) Toxaphene-2	6.488	5.493	19710754	11783269	500.000	500.000
4) Toxaphene-3	7.102	5.853	48154475	12799809	500.000	500.000
5) Toxaphene-4	7.194	6.770	35158460	38422565	500.000	500.000
6) Toxaphene-5	7.974	7.211	24549107	27736717	500.000	500.000

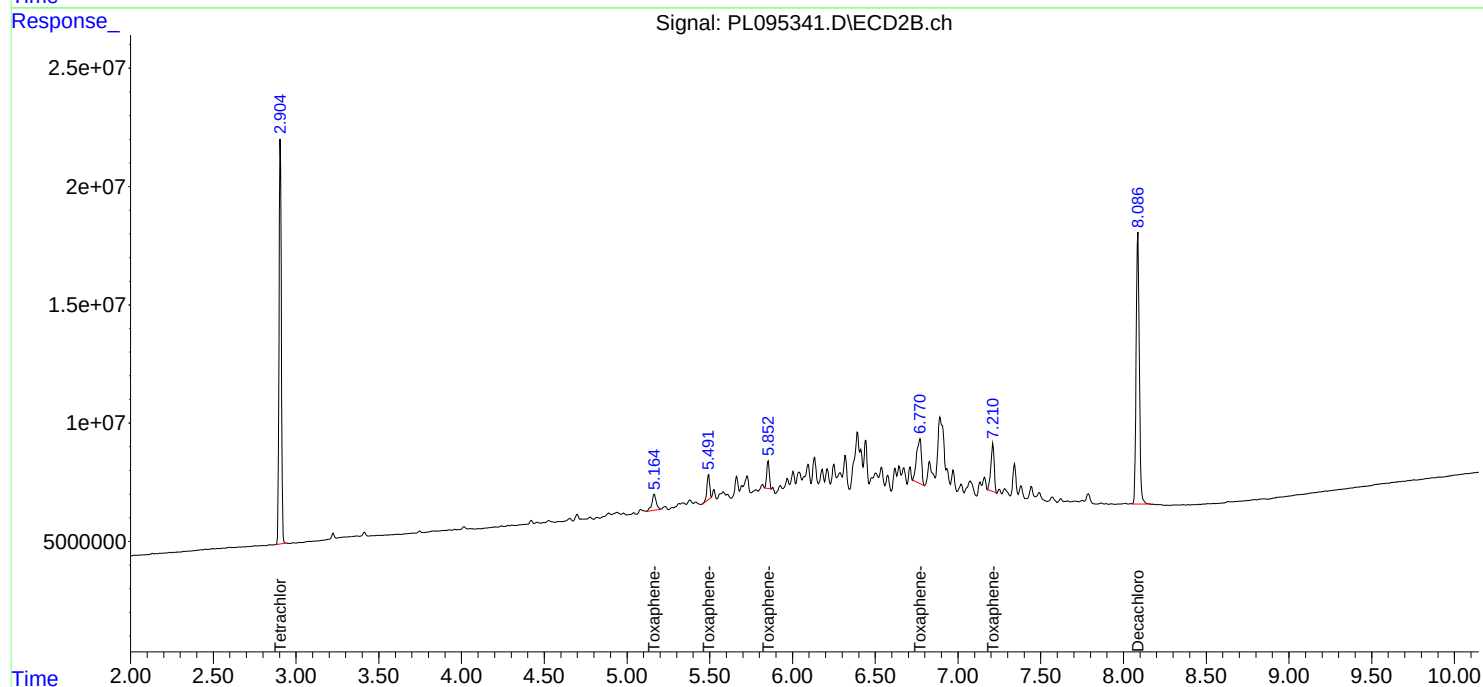
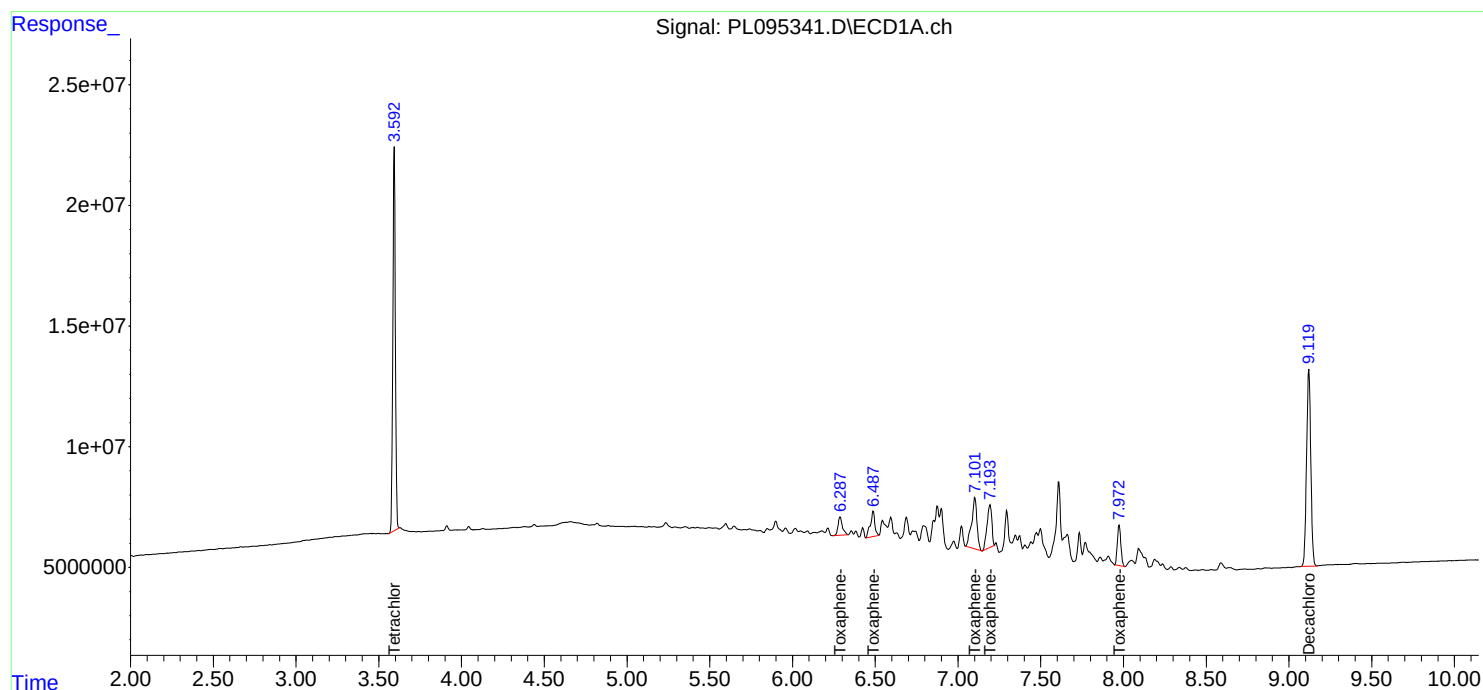
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

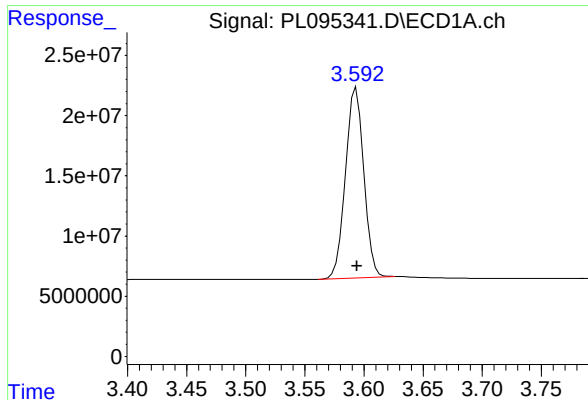
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 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

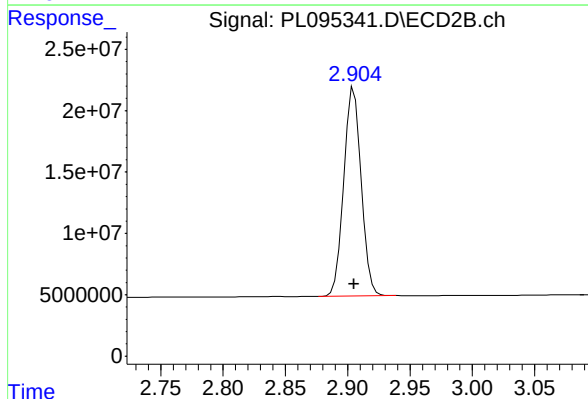




#1 Tetrachloro-m-xylene

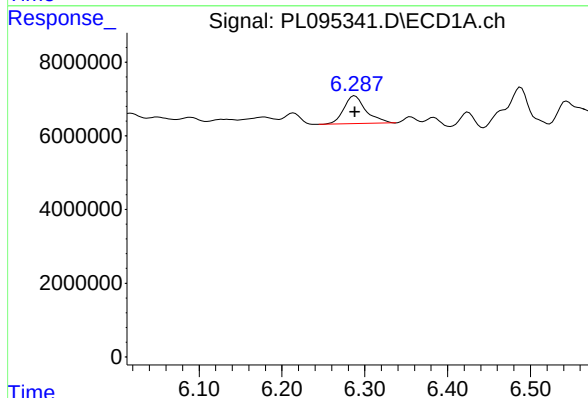
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 170571762
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



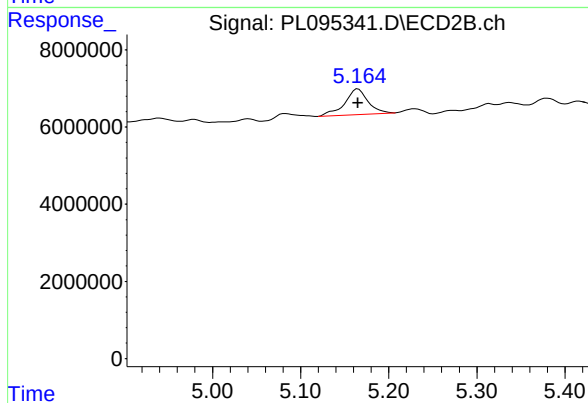
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 165170069
Conc: 50.00 ng/ml



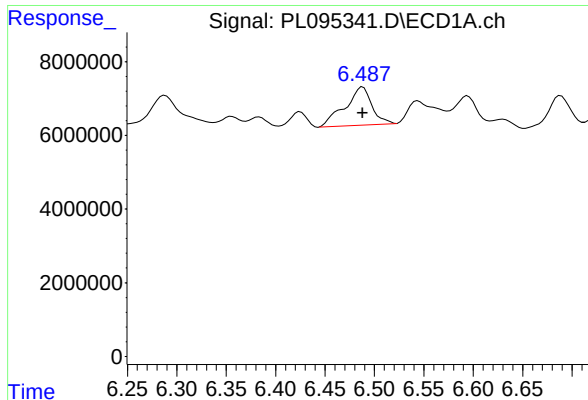
#2 Toxaphene-1

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 14117602
Conc: 500.00 ng/ml



#2 Toxaphene-1

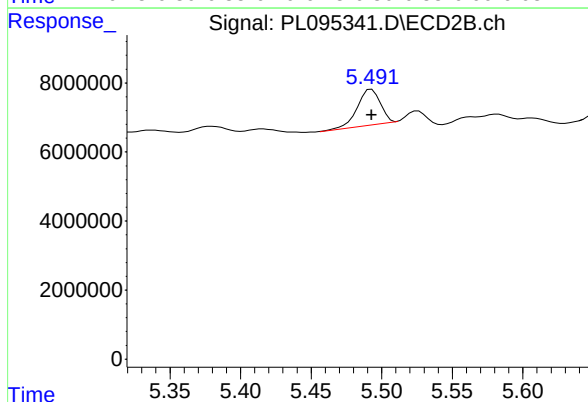
R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 12301124
Conc: 500.00 ng/ml



#3 Toxaphene-2

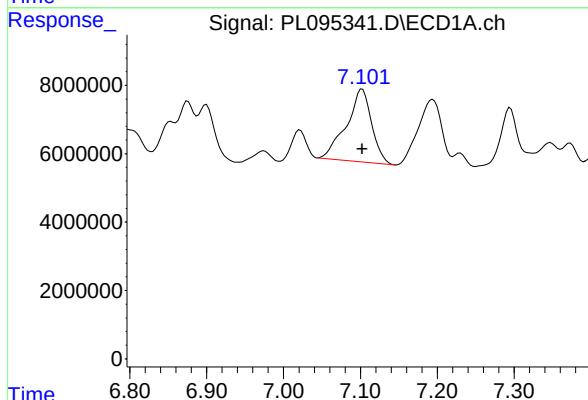
R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 19710754
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



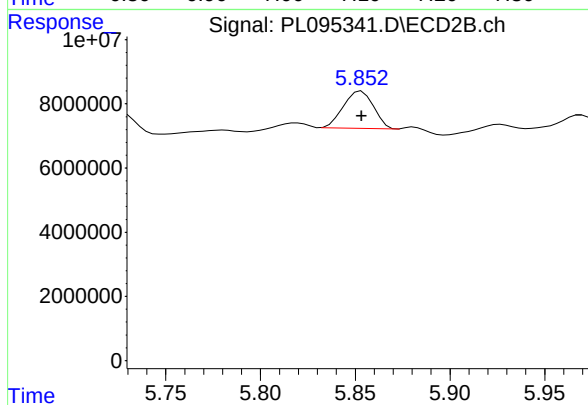
#3 Toxaphene-2

R.T.: 5.493 min
Delta R.T.: 0.000 min
Response: 11783269
Conc: 500.00 ng/ml



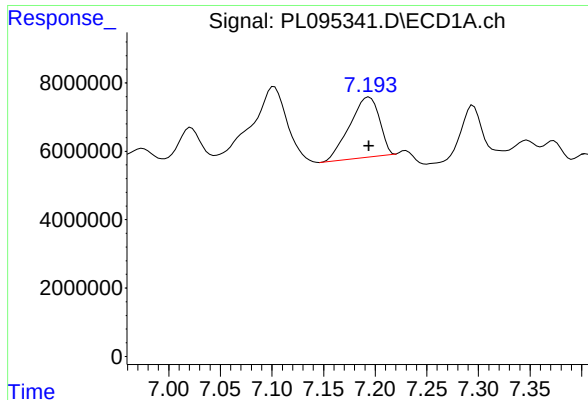
#4 Toxaphene-3

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 48154475
Conc: 500.00 ng/ml



#4 Toxaphene-3

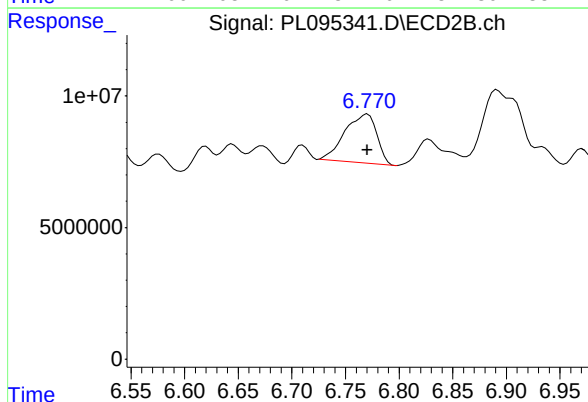
R.T.: 5.853 min
Delta R.T.: 0.000 min
Response: 12799809
Conc: 500.00 ng/ml



#5 Toxaphene-4

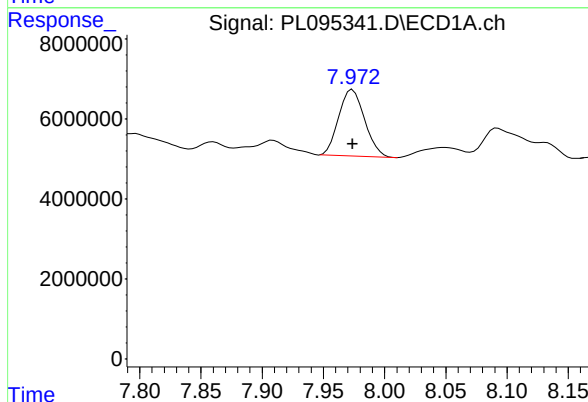
R.T.: 7.194 min
Delta R.T.: 0.000 min
Response: 35158460
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



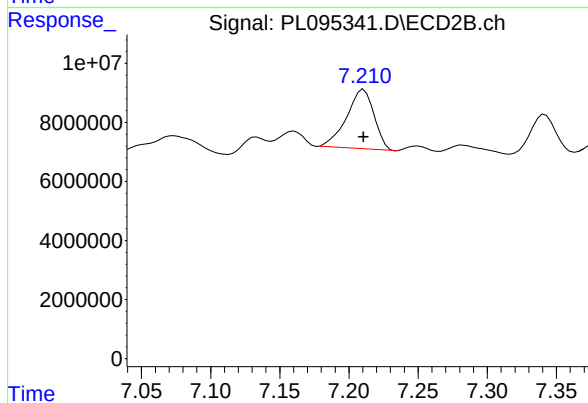
#5 Toxaphene-4

R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 38422565
Conc: 500.00 ng/ml



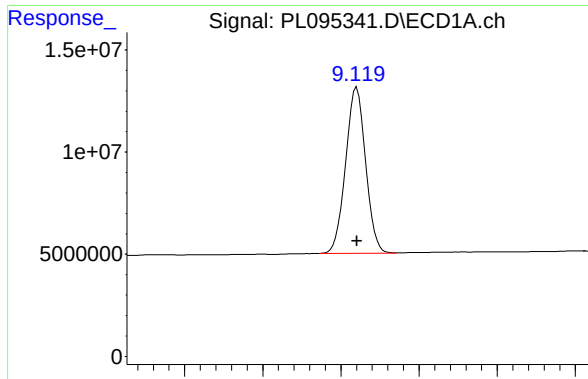
#6 Toxaphene-5

R.T.: 7.974 min
Delta R.T.: 0.000 min
Response: 24549107
Conc: 500.00 ng/ml



#6 Toxaphene-5

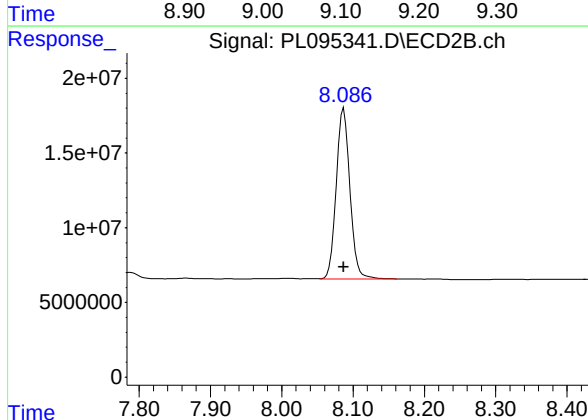
R.T.: 7.211 min
Delta R.T.: 0.000 min
Response: 27736717
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: 0.000 min
Response: 144271987
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: 0.000 min
Response: 152410533
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 15:13
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL042325

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 15:28:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	154.4E6	154.0E6	47.297	48.427
28)	SA Decachlor...	9.120	8.087	130.3E6	142.7E6	47.035	48.231
Target Compounds							
2)	A alpha-BHC	4.045	3.415	235.8E6	218.0E6	47.593	49.009
3)	MA gamma-BHC...	4.375	3.748	227.3E6	214.4E6	48.011m	48.752
4)	MA Heptachlor	4.974	4.103	213.7E6	210.0E6	46.727	48.192
5)	MB Aldrin	5.316	4.388	220.0E6	199.9E6	47.889	48.581
6)	B beta-BHC	4.562	4.042	94308785	98829555	45.614	47.609
7)	B delta-BHC	4.809	4.278	220.8E6	214.8E6	47.481m	49.029
8)	B Heptachlo...	5.737	4.891	190.5E6	186.4E6	47.572	48.260
9)	A Endosulfan I	6.120	5.264	183.5E6	176.9E6	48.325	48.341
10)	B gamma-Chl...	5.991	5.144	194.9E6	193.2E6	47.767	47.668
11)	B alpha-Chl...	6.072	5.208	197.5E6	190.6E6	48.568	47.882
12)	B 4,4'-DDE	6.241	5.394	188.3E6	193.3E6	48.037	47.532
13)	MA Dieldrin	6.394	5.529	186.0E6	193.7E6	48.243	47.616
14)	MA Endrin	6.621	5.804	154.5E6	169.0E6	48.521	46.407
15)	B Endosulfa...	6.833	6.094	157.6E6	173.0E6	49.361	48.167
16)	A 4,4'-DDD	6.751	5.947	140.1E6	158.3E6	49.490	48.446
17)	MA 4,4'-DDT	7.066	6.201	136.1E6	160.2E6	47.766	46.611
18)	B Endrin al...	6.962	6.272	111.9E6	125.2E6	48.203	47.895
19)	B Endosulfa...	7.195	6.496	134.2E6	159.2E6	47.903	47.991
20)	A Methoxychlor	7.538	6.772	65789961	87833349	47.157	46.048
21)	B Endrin ke...	7.677	7.002	138.2E6	175.4E6	48.469	49.801
22)	Mirex	8.158	7.197	113.5E6	137.9E6	47.769	47.828m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL042325

Manual Integrations

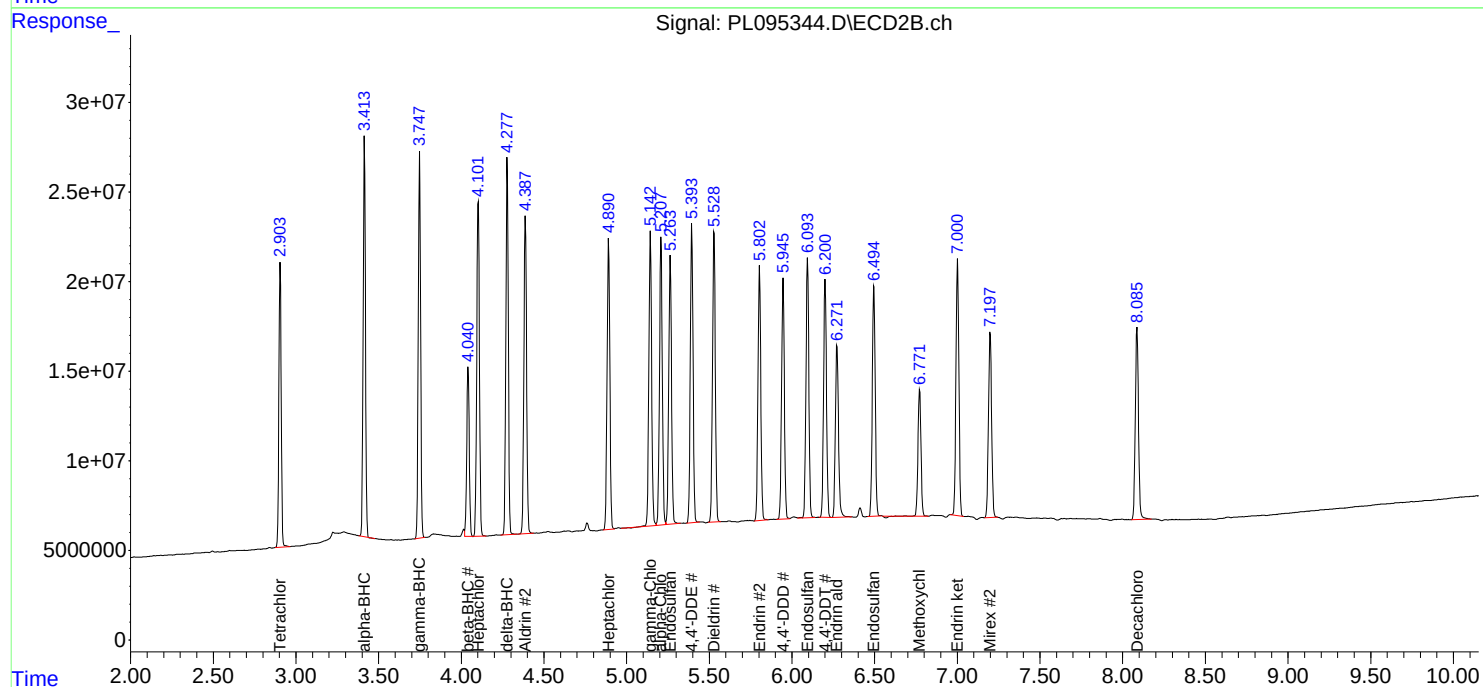
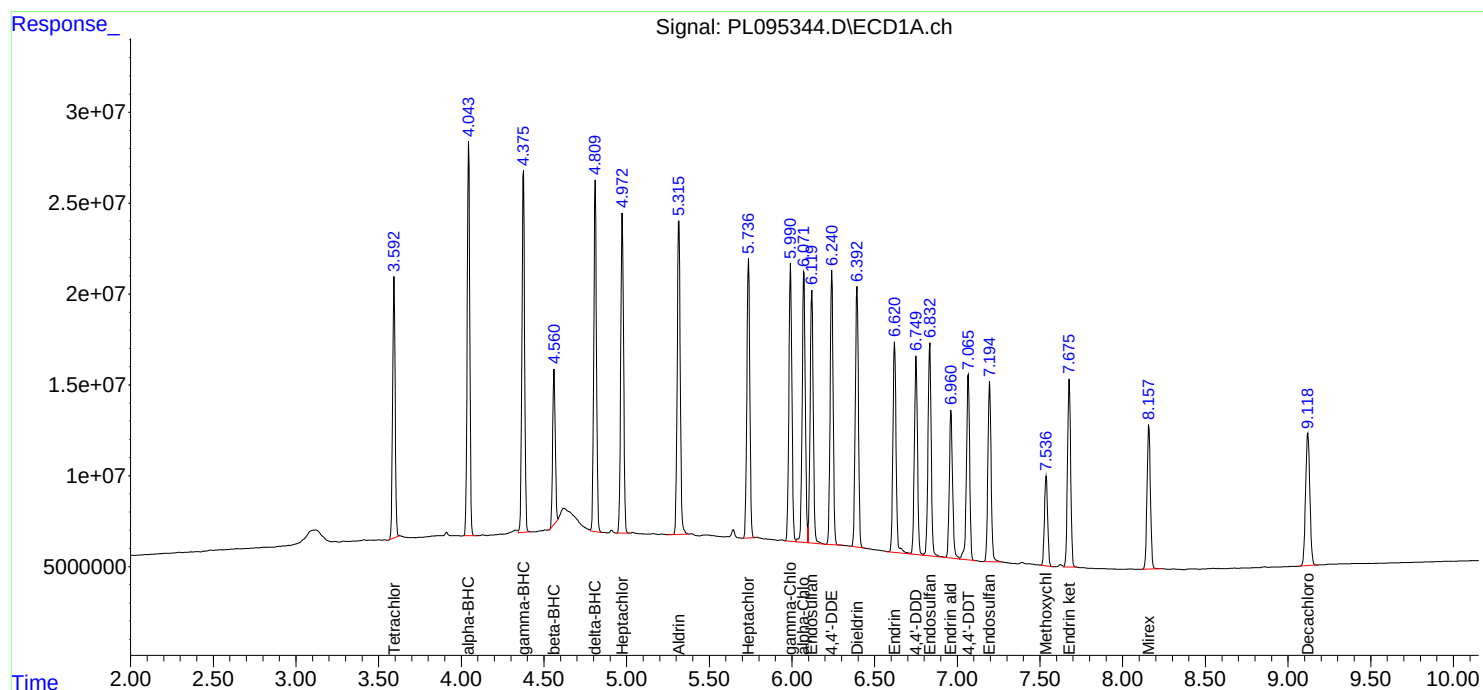
APPROVED

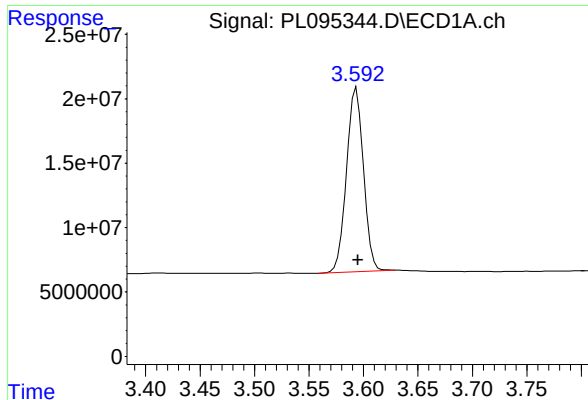
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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.: 3.594 min
Delta R.T.: -0.001 min
Response: 154410740
Conc: 47.30 ng/ml

Instrument :

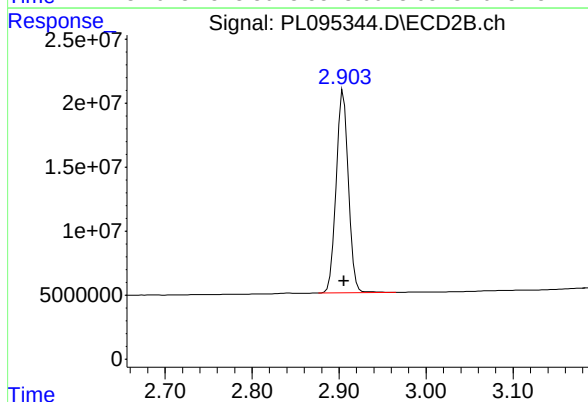
ECD_L

ClientSampleId :

ICVPL042325

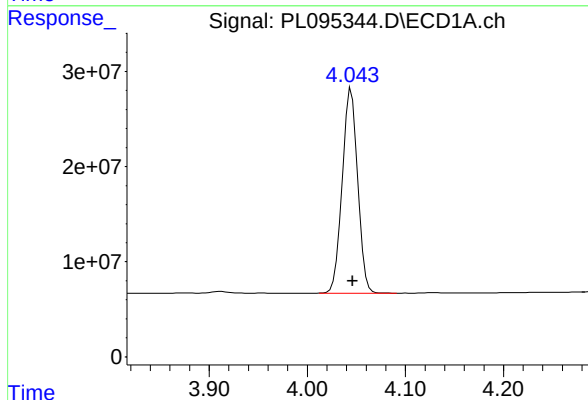
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



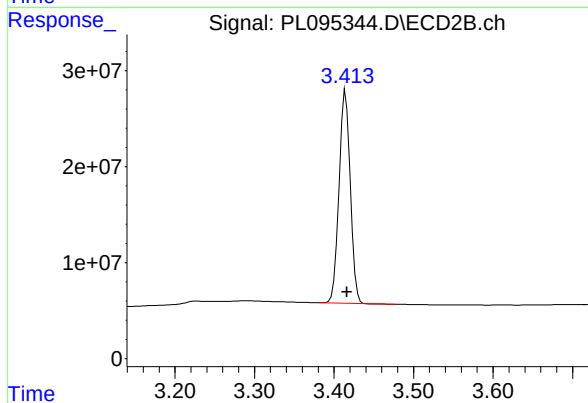
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 153984476
Conc: 48.43 ng/ml



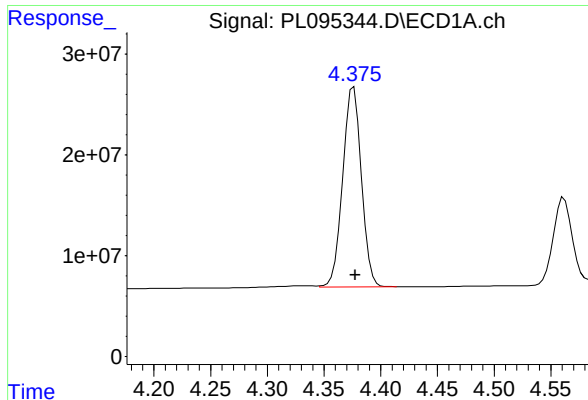
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 235765041
Conc: 47.59 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 218028468
Conc: 49.01 ng/ml



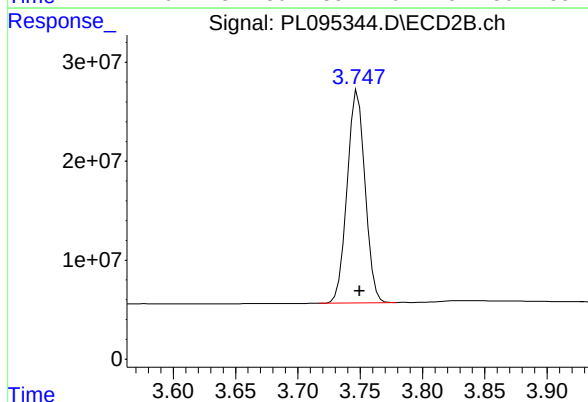
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 227284929
Conc: 48.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

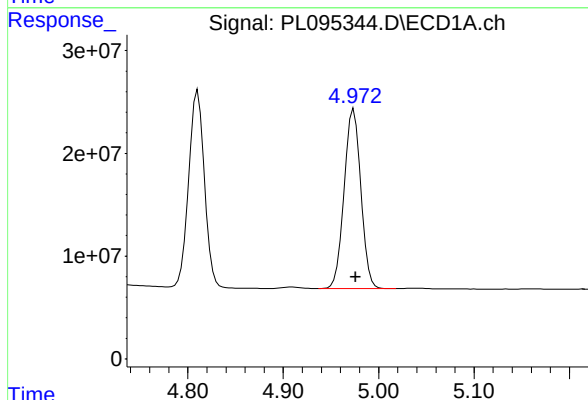
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



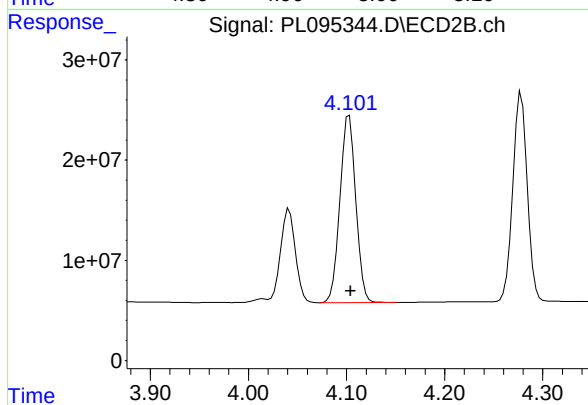
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 214423481
Conc: 48.75 ng/ml



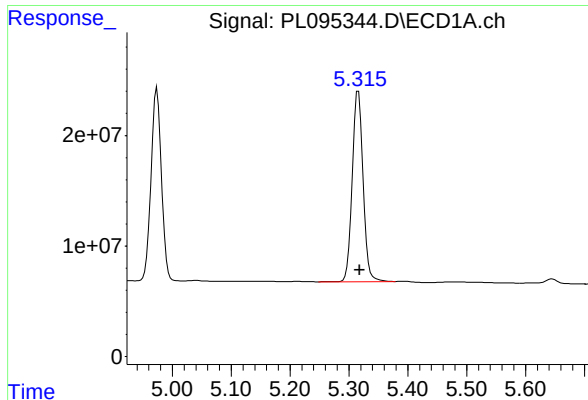
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 213749633
Conc: 46.73 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 209958357
Conc: 48.19 ng/ml



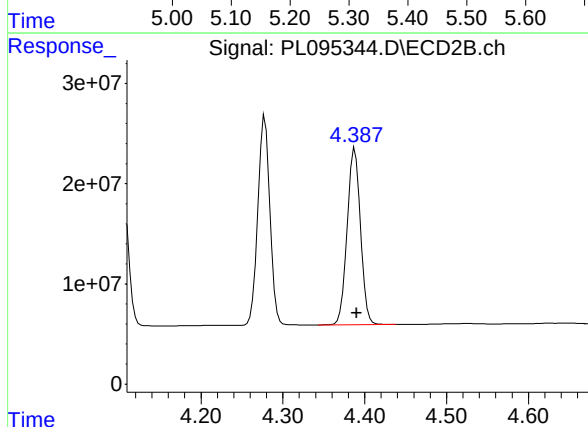
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 219953420
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

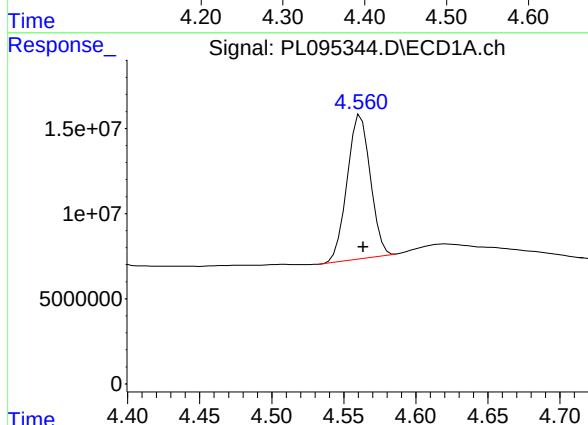
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



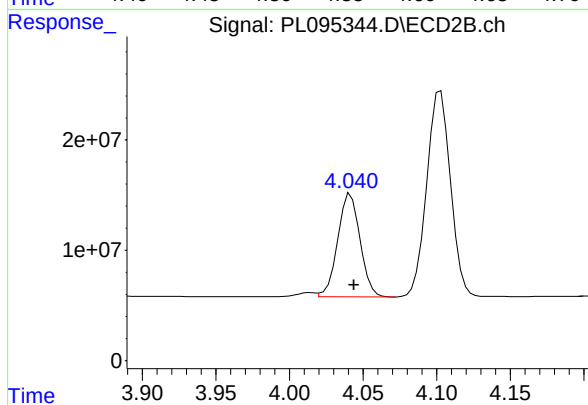
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 199944618
Conc: 48.58 ng/ml



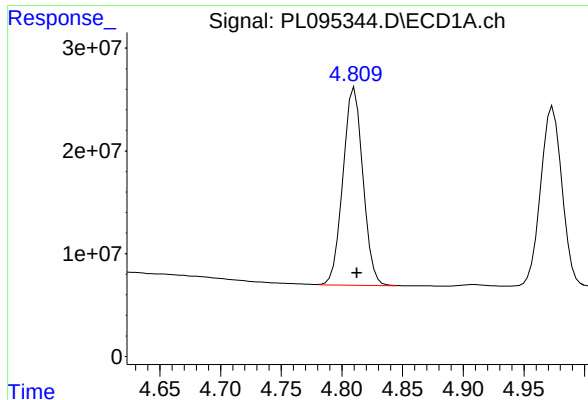
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 94308785
Conc: 45.61 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 98829555
Conc: 47.61 ng/ml



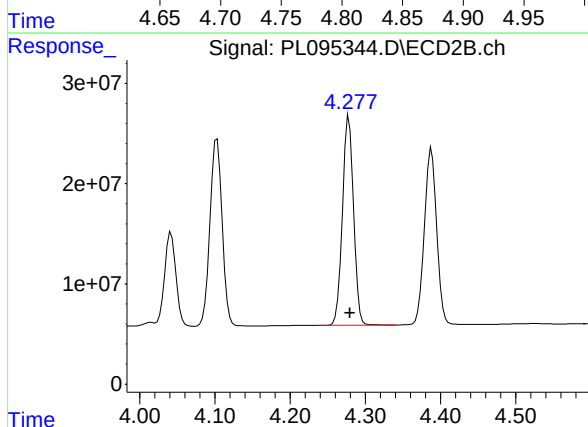
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.003 min
Response: 220818379
Conc: 47.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

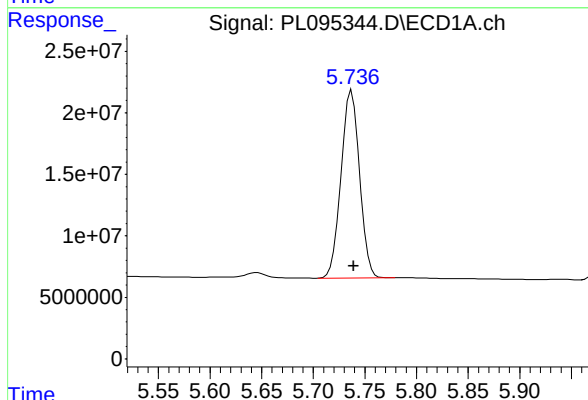
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



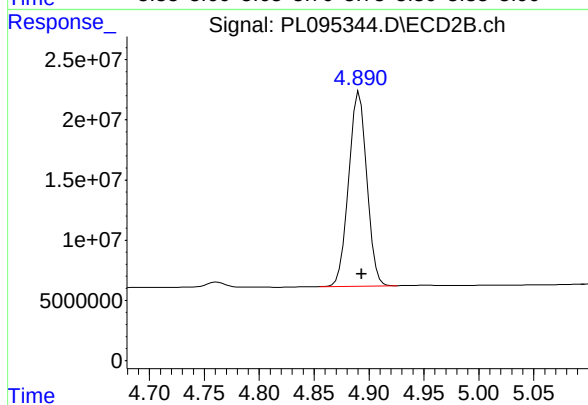
#7 delta-BHC

R.T.: 4.278 min
Delta R.T.: -0.002 min
Response: 214844463
Conc: 49.03 ng/ml



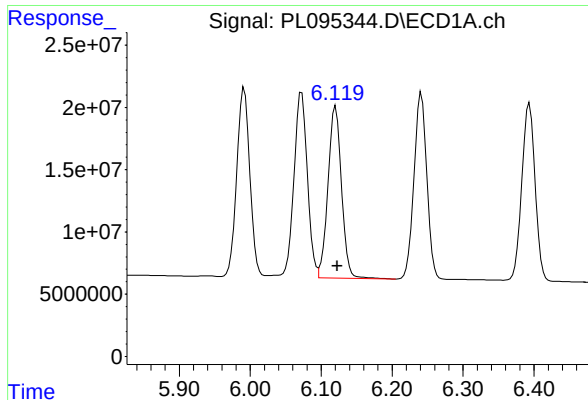
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 190534412
Conc: 47.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 186412845
Conc: 48.26 ng/ml



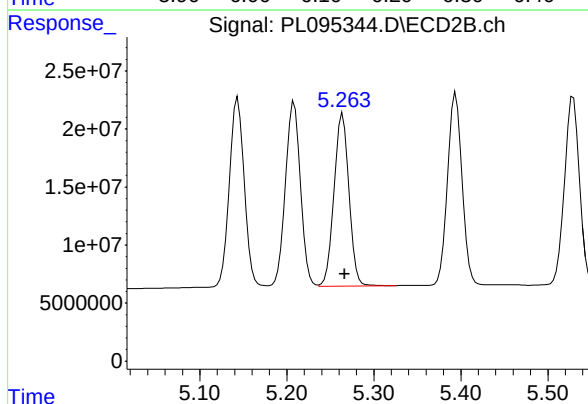
#9 Endosulfan I

R.T.: 6.120 min
Delta R.T.: -0.002 min
Response: 183513483
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

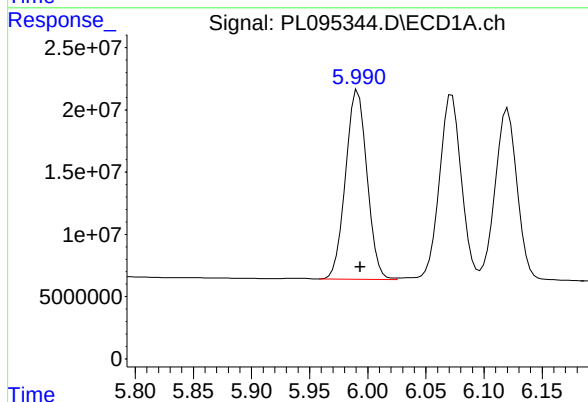
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



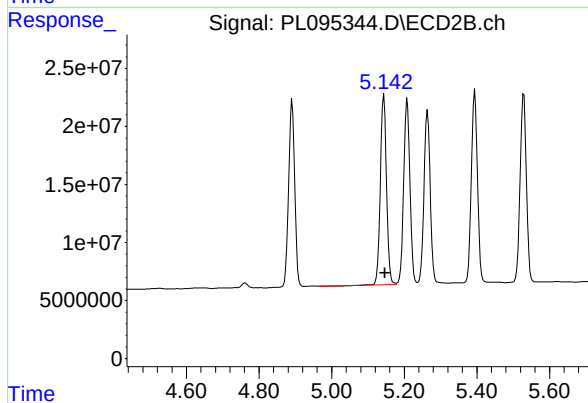
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 176948243
Conc: 48.34 ng/ml



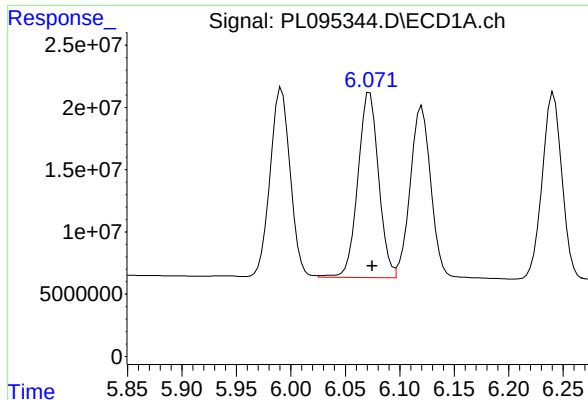
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.002 min
Response: 194858822
Conc: 47.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 193183867
Conc: 47.67 ng/ml



#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 197480130
Conc: 48.57 ng/ml

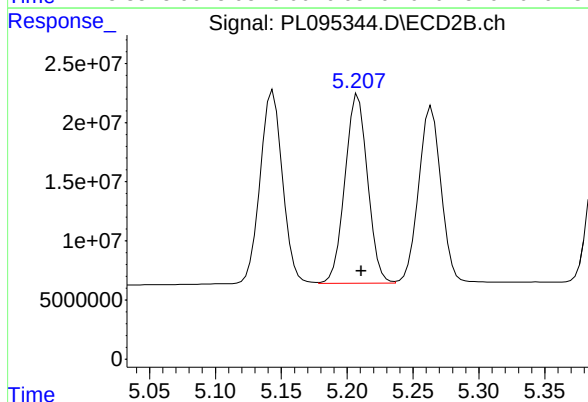
Instrument :

ECD_L

ClientSampleId :
ICVPL042325

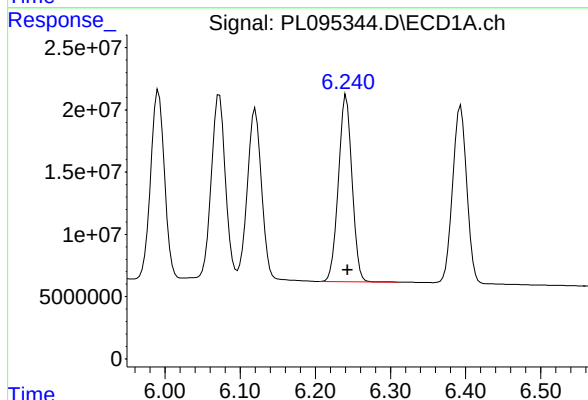
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



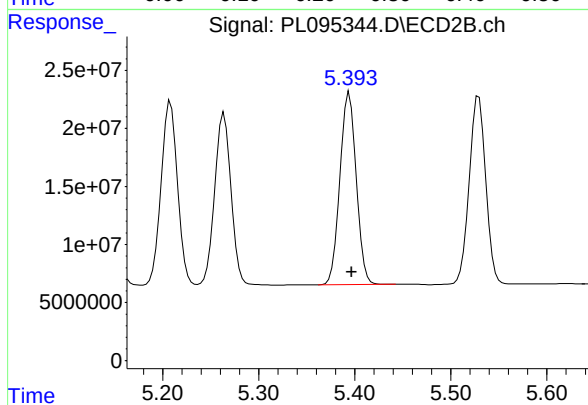
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 190622092
Conc: 47.88 ng/ml



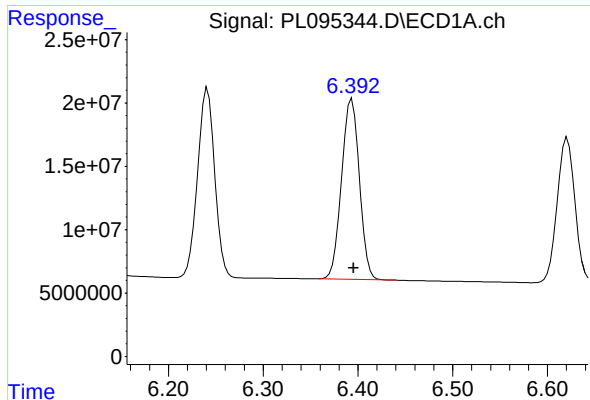
#12 4,4'-DDE

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 188330868
Conc: 48.04 ng/ml



#12 4,4'-DDE

R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 193310380
Conc: 47.53 ng/ml



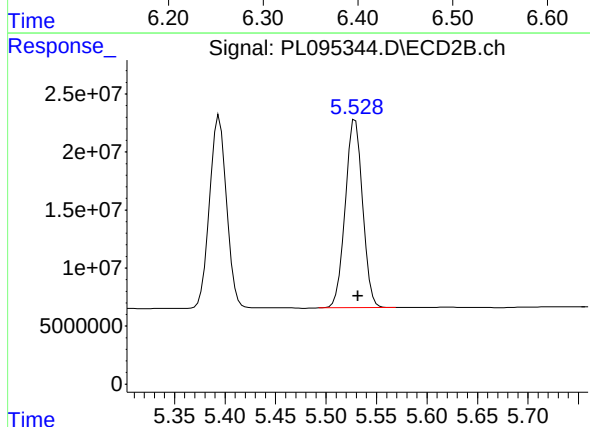
#13 Dieldrin

R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 185966480
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

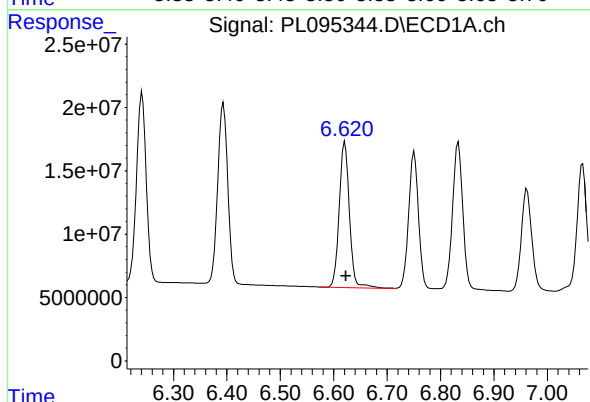
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



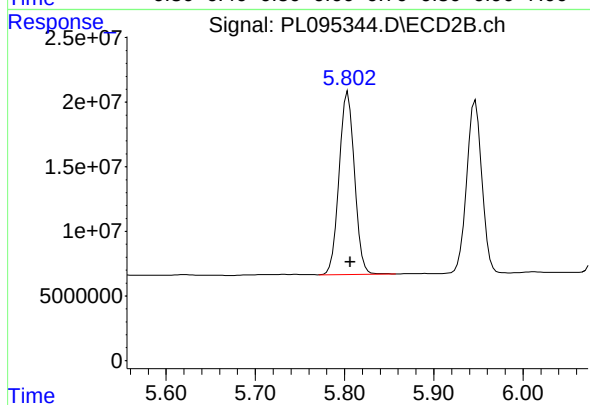
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 193657038
Conc: 47.62 ng/ml



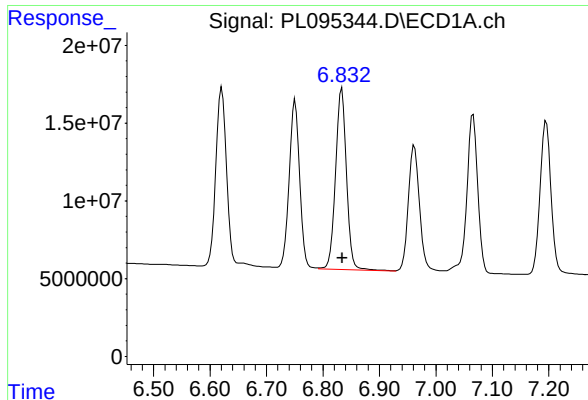
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 154528451
Conc: 48.52 ng/ml



#14 Endrin

R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 168955840
Conc: 46.41 ng/ml



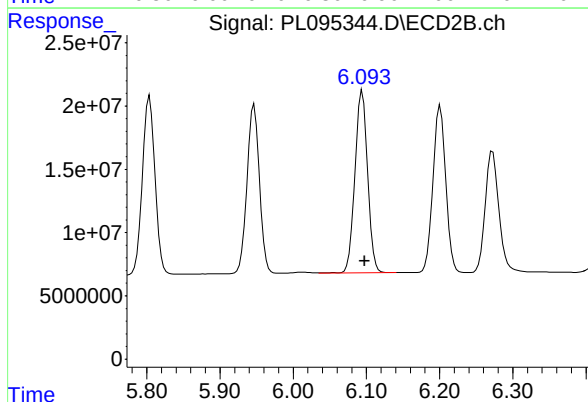
#15 Endosulfan II

R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 157567449
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

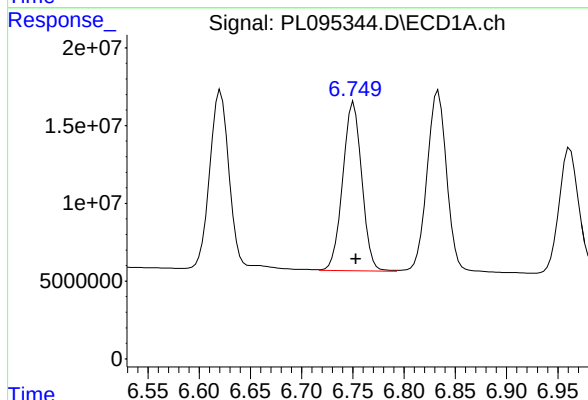
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



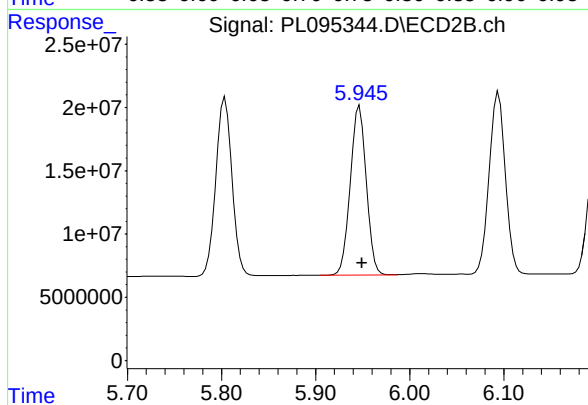
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172973782
Conc: 48.17 ng/ml



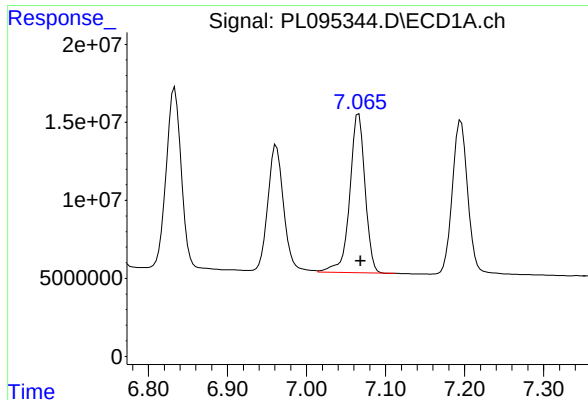
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 140103814
Conc: 49.49 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 158264661
Conc: 48.45 ng/ml



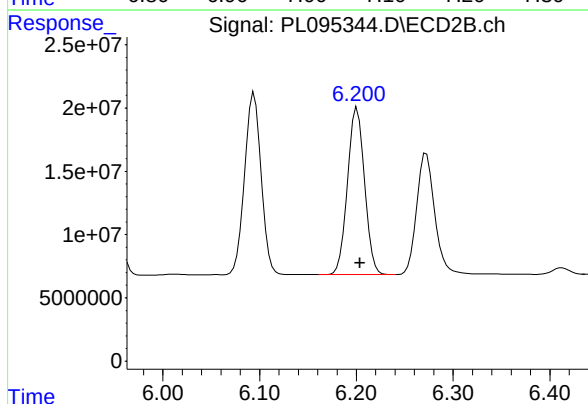
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 136066041
Conc: 47.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

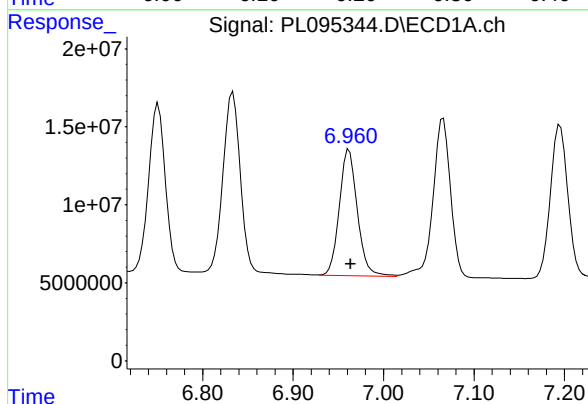
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



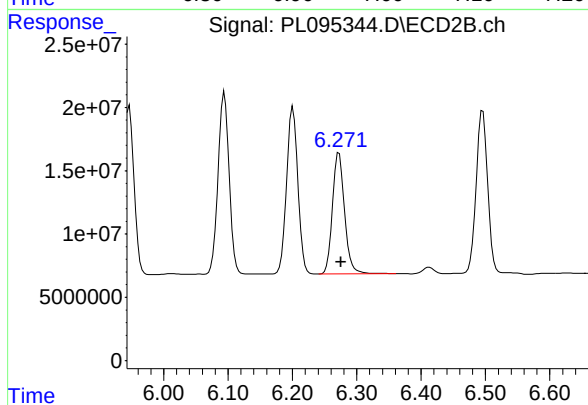
#17 4,4'-DDT

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 160165180
Conc: 46.61 ng/ml



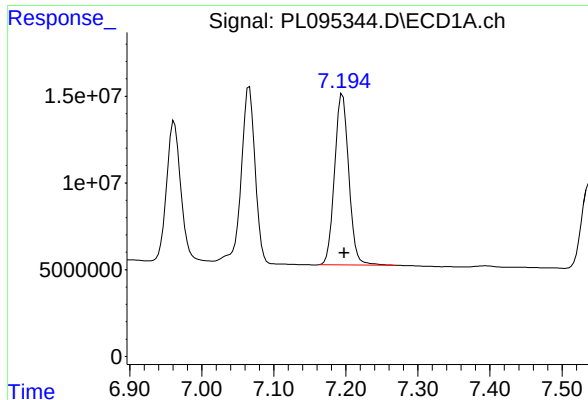
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: -0.002 min
Response: 111869443
Conc: 48.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 125158099
Conc: 47.90 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 134214631
Conc: 47.90 ng/ml

Instrument :

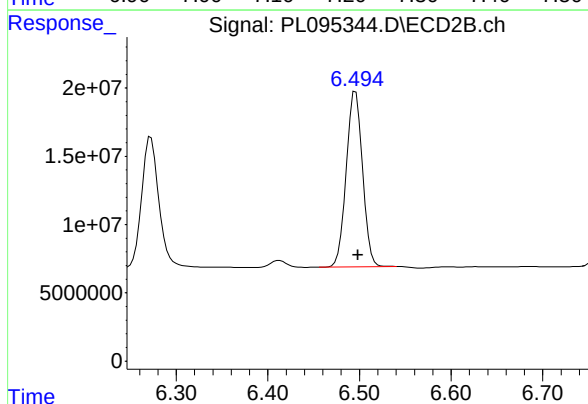
ECD_L

ClientSampleId :

ICVPL042325

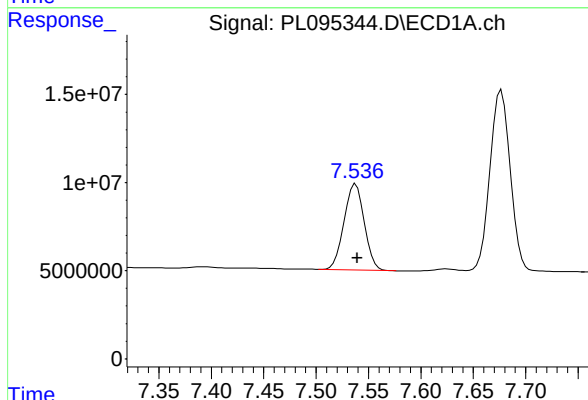
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



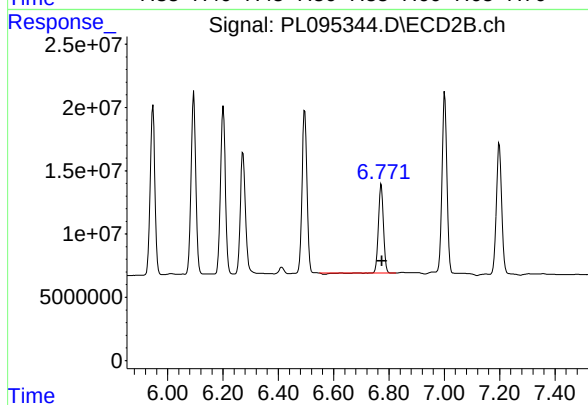
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.003 min
Response: 159229468
Conc: 47.99 ng/ml



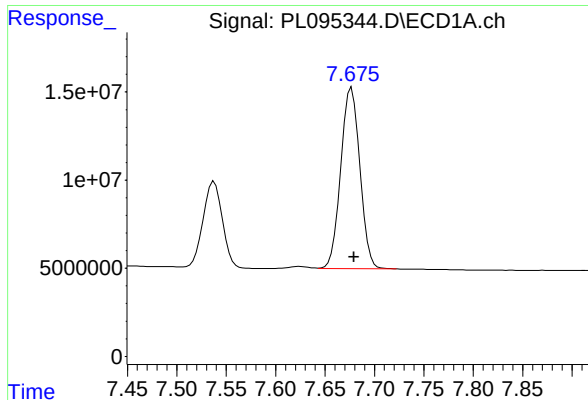
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 65789961
Conc: 47.16 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 87833349
Conc: 46.05 ng/ml



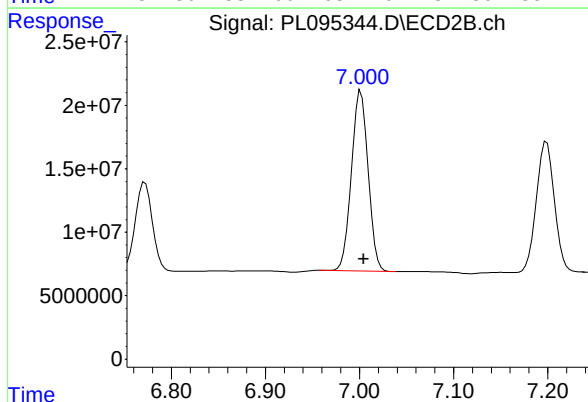
#21 Endrin ketone

R.T.: 7.677 min
Delta R.T.: -0.002 min
Response: 138179720
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

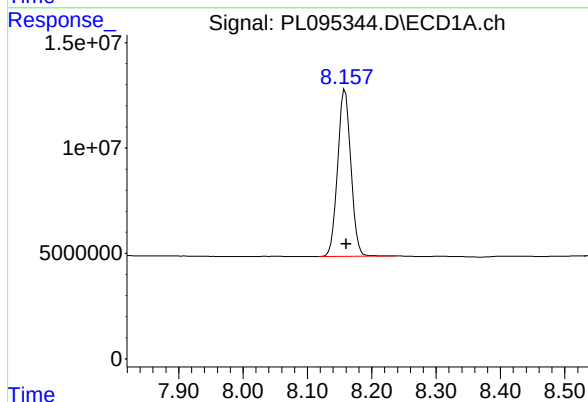
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



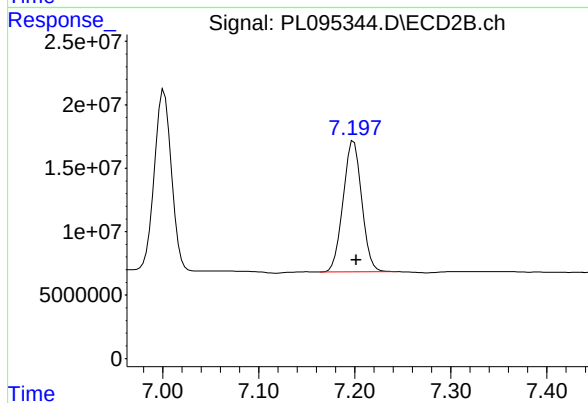
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 175365566
Conc: 49.80 ng/ml



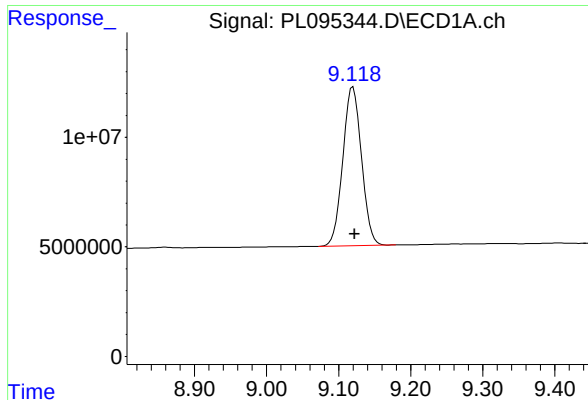
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.002 min
Response: 113501621
Conc: 47.77 ng/ml



#22 Mirex

R.T.: 7.197 min
Delta R.T.: -0.004 min
Response: 137859647
Conc: 47.83 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: -0.002 min
Response: 130326216
Conc: 47.04 ng/ml

Instrument :

ECD_L

ClientSampleId :

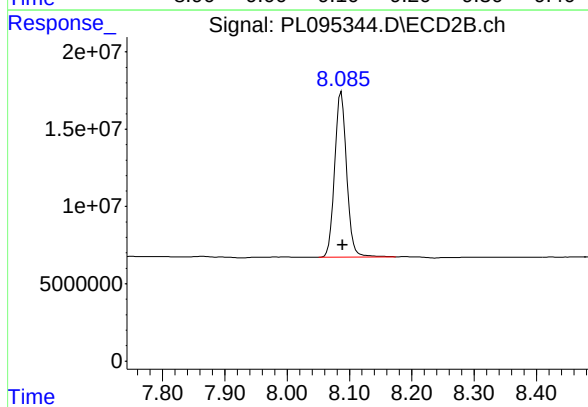
ICVPL042325

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.087 min
Delta R.T.: -0.003 min
Response: 142727631
Conc: 48.23 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 16:01 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.31	5.32	5.22	5.42	0.01
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.01
Endrin ketone	7.67	7.68	7.58	7.78	0.01
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 16:01 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
alpha-BHC	3.41	3.42	3.32	3.52	0.01
beta-BHC	4.04	4.04	3.94	4.14	0.00
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.10	4.00	4.20	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.26	5.27	5.17	5.37	0.01
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Endosulfan II	6.09	6.10	6.00	6.20	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
Endosulfan sulfate	6.49	6.50	6.40	6.60	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.14	5.15	5.05	5.25	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL01 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095440.D Time Analyzed: 16:01

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	6.748	6.653	6.853	58.710	50.000	17.4
4,4'-DDE	6.239	6.143	6.343	56.090	50.000	12.2
4,4'-DDT	7.064	6.969	7.169	55.970	50.000	11.9
Aldrin	5.314	5.218	5.418	52.060	50.000	4.1
alpha-BHC	4.044	3.946	4.146	51.890	50.000	3.8
alpha-Chlordane	6.070	5.975	6.175	55.700	50.000	11.4
beta-BHC	4.560	4.464	4.664	50.680	50.000	1.4
Decachlorobiphenyl	9.116	9.022	9.222	55.670	50.000	11.3
delta-BHC	4.808	4.712	4.912	51.610	50.000	3.2
Dieldrin	6.391	6.296	6.496	54.260	50.000	8.5
Endosulfan I	6.118	6.023	6.223	54.130	50.000	8.3
Endosulfan II	6.831	6.735	6.935	58.560	50.000	17.1
Endosulfan sulfate	7.191	7.098	7.298	56.200	50.000	12.4
Endrin	6.619	6.523	6.723	52.420	50.000	4.8
Endrin aldehyde	6.960	6.864	7.064	57.200	50.000	14.4
Endrin ketone	7.674	7.579	7.779	59.370	50.000	18.7
gamma-BHC (Lindane)	4.375	4.277	4.477	51.470	50.000	2.9
gamma-Chlordane	5.989	5.894	6.094	54.050	50.000	8.1
Heptachlor	4.972	4.876	5.076	51.410	50.000	2.8
Heptachlor epoxide	5.735	5.639	5.839	53.670	50.000	7.3
Methoxychlor	7.535	7.440	7.640	52.690	50.000	5.4
Tetrachloro-m-xylene	3.593	3.495	3.695	51.230	50.000	2.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL01 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095440.D Time Analyzed: 16:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.944	5.849	6.049	50.710	50.000	1.4
4,4'-DDE	5.392	5.297	5.497	47.450	50.000	-5.1
4,4'-DDT	6.198	6.104	6.304	42.540	50.000	-14.9
Aldrin	4.386	4.290	4.490	49.990	50.000	0.0
alpha-BHC	3.414	3.316	3.516	52.210	50.000	4.4
alpha-Chlordane	5.206	5.111	5.311	49.670	50.000	-0.7
beta-BHC	4.040	3.944	4.144	49.200	50.000	-1.6
Decachlorobiphenyl	8.083	7.989	8.189	54.680	50.000	9.4
delta-BHC	4.277	4.180	4.380	51.000	50.000	2.0
Dieldrin	5.527	5.432	5.632	48.720	50.000	-2.6
Endosulfan I	5.262	5.167	5.367	50.240	50.000	0.5
Endosulfan II	6.092	5.997	6.197	49.760	50.000	-0.5
Endosulfan sulfate	6.493	6.398	6.598	52.130	50.000	4.3
Endrin	5.802	5.707	5.907	42.780	50.000	-14.4
Endrin aldehyde	6.270	6.175	6.375	51.460	50.000	2.9
Endrin ketone	6.999	6.904	7.104	56.680	50.000	13.4
gamma-BHC (Lindane)	3.747	3.650	3.850	50.710	50.000	1.4
gamma-Chlordane	5.140	5.047	5.247	48.610	50.000	-2.8
Heptachlor	4.101	4.004	4.204	49.440	50.000	-1.1
Heptachlor epoxide	4.889	4.793	4.993	49.440	50.000	-1.1
Methoxychlor	6.768	6.675	6.875	46.160	50.000	-7.7
Tetrachloro-m-xylene	2.904	2.806	3.006	50.270	50.000	0.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095440.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:01
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	167.3E6	159.8E6	51.234	50.269
28)	SA Decachlor...	9.116	8.083	154.3E6	161.8E6	55.674	54.678
Target Compounds							
2)	A alpha-BHC	4.044	3.414	257.1E6	232.3E6	51.895	52.209
3)	MA gamma-BHC...	4.375	3.747	243.7E6	223.0E6	51.469	50.705
4)	MA Heptachlor	4.972	4.101	235.2E6	215.4E6	51.415	49.436
5)	MB Aldrin	5.314	4.386	239.1E6	205.7E6	52.062	49.991
6)	B beta-BHC	4.560	4.040	104.8E6	102.1E6	50.683	49.198
7)	B delta-BHC	4.808	4.277	240.0E6	223.5E6	51.614m	50.996
8)	B Heptachlo...	5.735	4.889	215.0E6	191.0E6	53.673	49.436
9)	A Endosulfan I	6.118	5.262	205.5E6	183.9E6	54.126	50.236
10)	B gamma-Chl...	5.989	5.140	220.5E6	197.0E6	54.052	48.611m
11)	B alpha-Chl...	6.070	5.206	226.5E6	197.8E6	55.700	49.673
12)	B 4,4'-DDE	6.239	5.392	219.9E6	193.0E6	56.088	47.455
13)	MA Dieldrin	6.391	5.527	209.2E6	198.2E6	54.261	48.724
14)	MA Endrin	6.619	5.802	166.9E6	155.7E6	52.421	42.778
15)	B Endosulfa...	6.831	6.092	186.9E6	178.7E6	58.563	49.756
16)	A 4,4'-DDD	6.748	5.944	166.2E6	165.7E6	58.711	50.708
17)	MA 4,4'-DDT	7.064	6.198	159.4E6	146.2E6	55.966	42.538
18)	B Endrin al...	6.960	6.270	132.7E6	134.5E6	57.199	51.464
19)	B Endosulfa...	7.191	6.493	157.5E6	173.0E6	56.201m	52.133
20)	A Methoxychlor	7.535	6.768	73516314	88053321	52.695	46.163
21)	B Endrin ke...	7.674	6.999	169.3E6	199.6E6	59.372	56.679
22)	Mirex	8.155	7.194	132.3E6	152.3E6	55.691	52.851m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

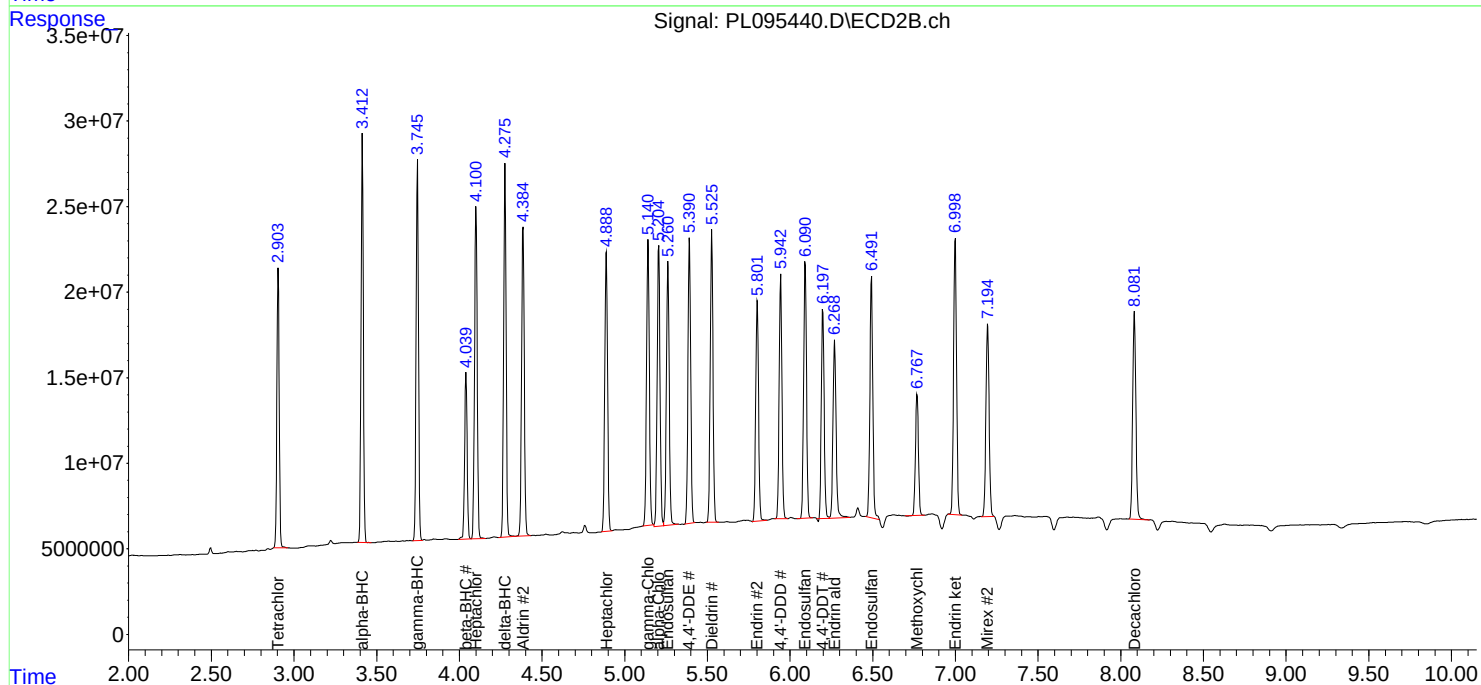
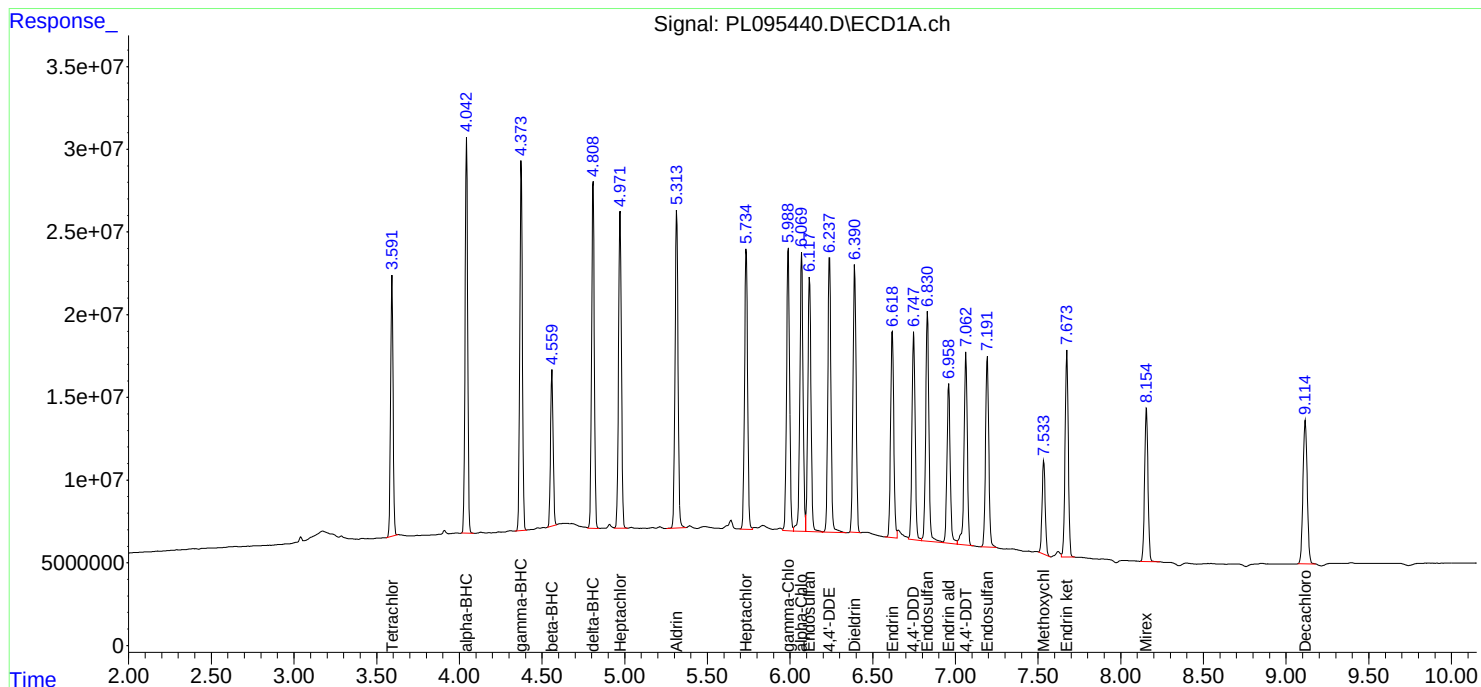
APPROVED

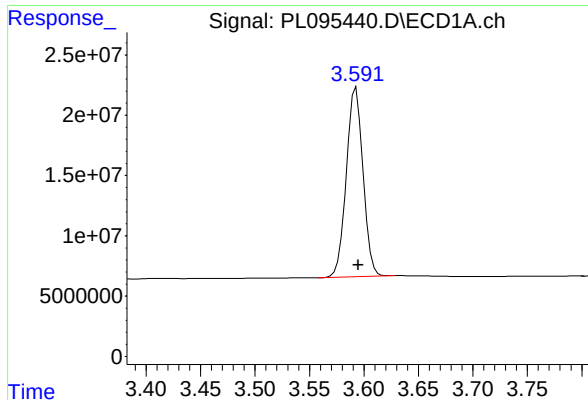
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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.: 3.593 min
Delta R.T.: -0.002 min
Response: 167262219
Conc: 51.23 ng/ml

Instrument :

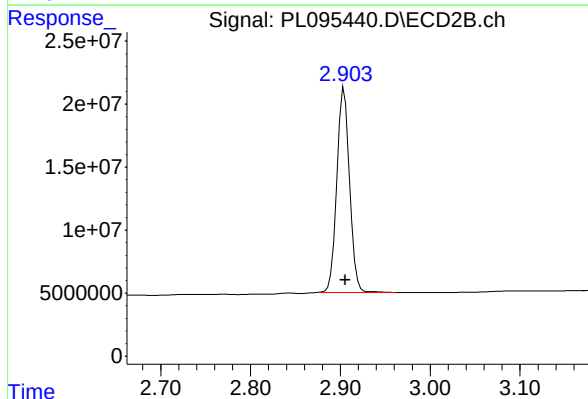
ECD_L

ClientSampleId :

PSTDCCC050

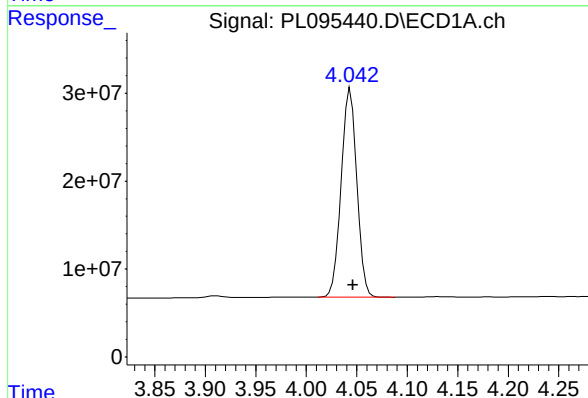
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



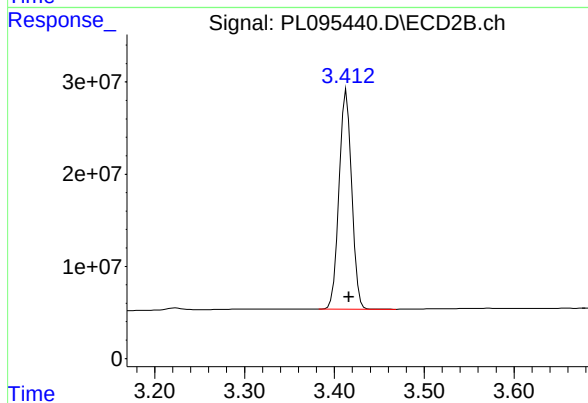
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 159843978
Conc: 50.27 ng/ml



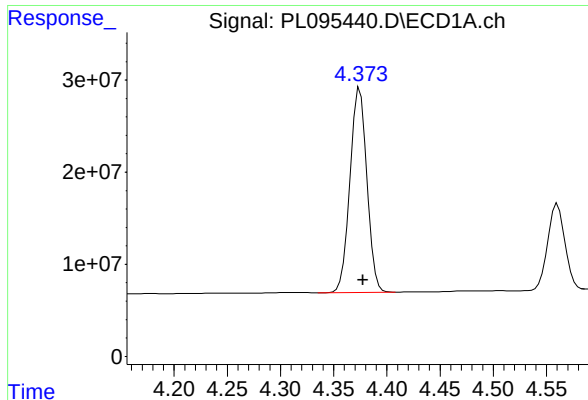
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257072845
Conc: 51.89 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 232264928
Conc: 52.21 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 243652188
Conc: 51.47 ng/ml

Instrument :

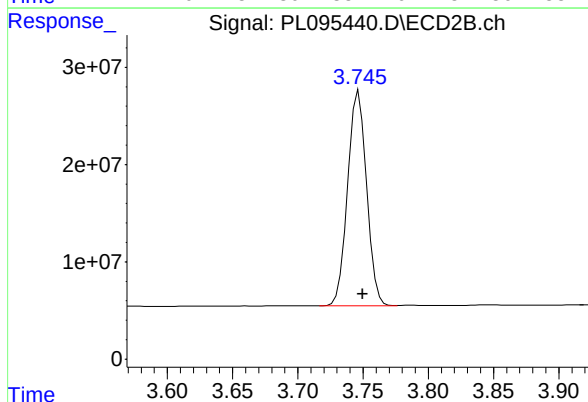
ECD_L

ClientSampleId :

PSTDCCC050

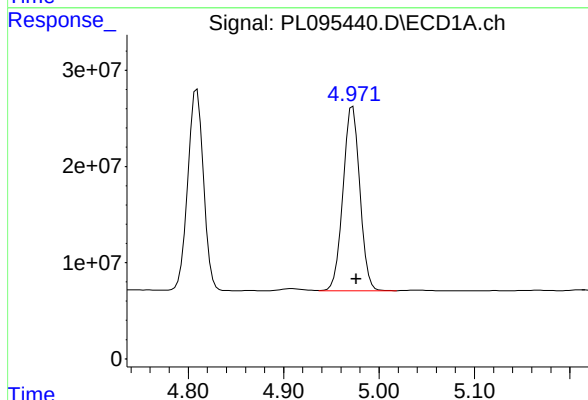
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



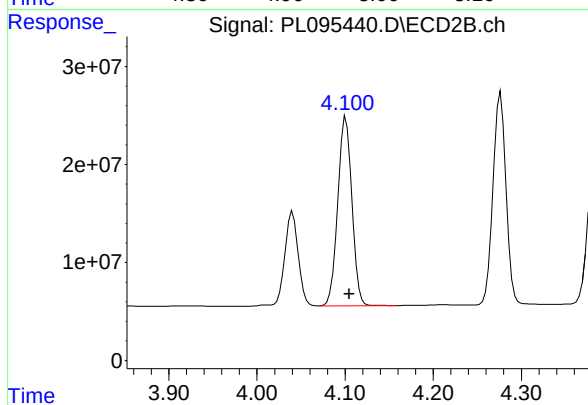
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 223013873
Conc: 50.71 ng/ml



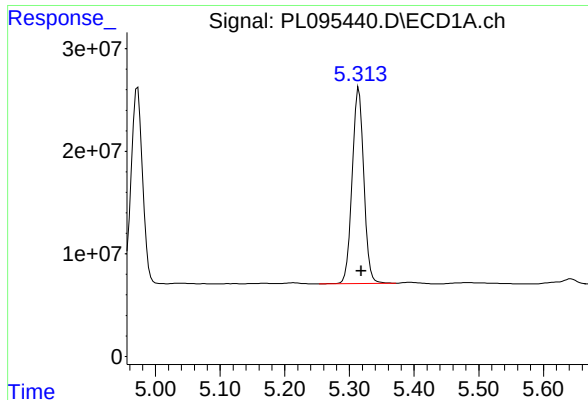
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 235195258
Conc: 51.41 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.003 min
Response: 215375667
Conc: 49.44 ng/ml



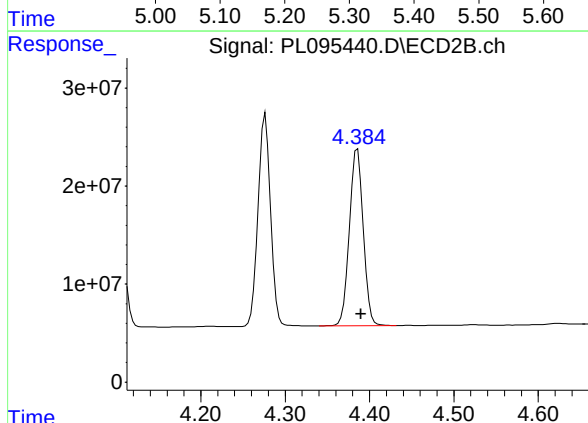
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239123618
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

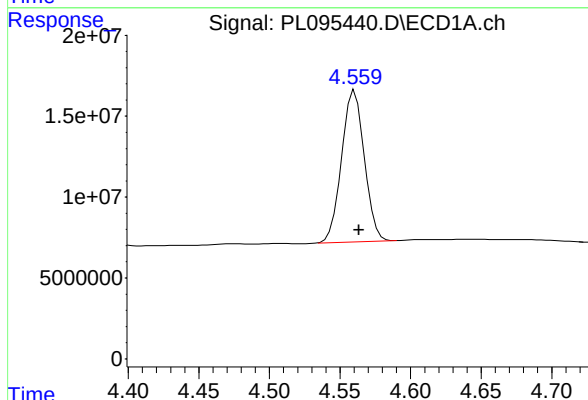
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



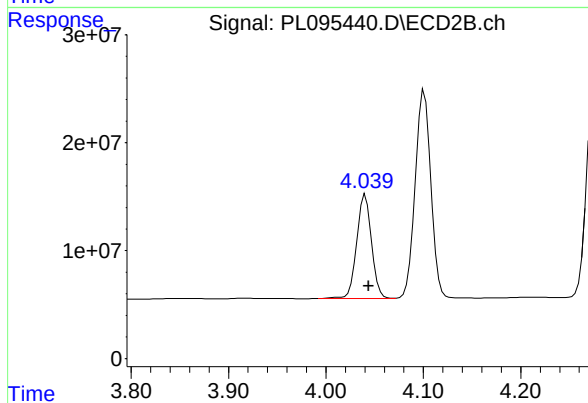
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 205747698
Conc: 49.99 ng/ml



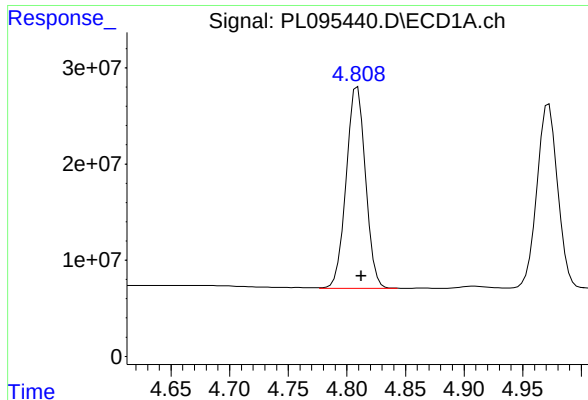
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 104788017
Conc: 50.68 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.003 min
Response: 102128920
Conc: 49.20 ng/ml



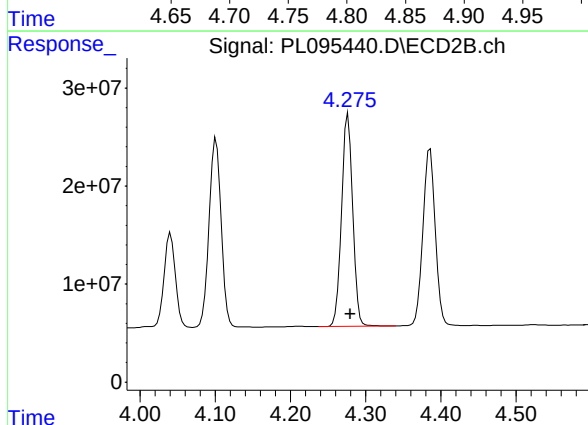
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.005 min
Response: 240041813
Conc: 51.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

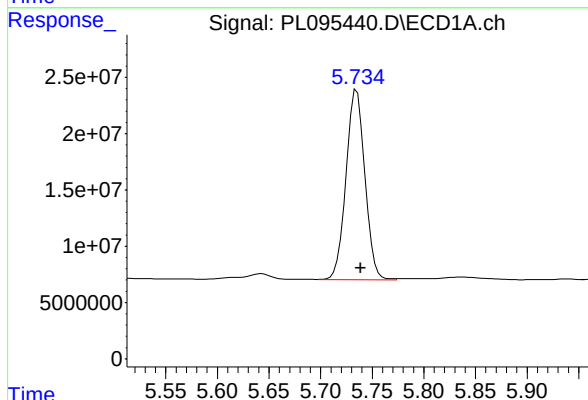
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



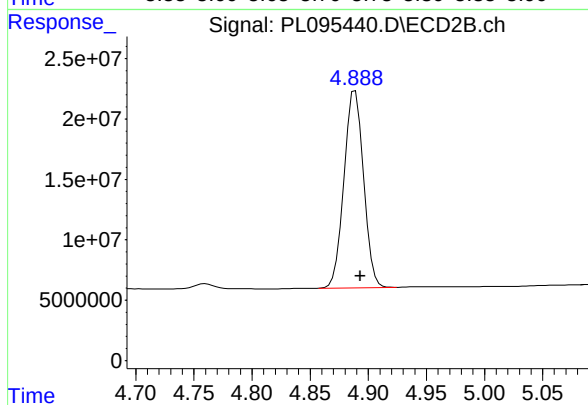
#7 delta-BHC

R.T.: 4.277 min
Delta R.T.: -0.003 min
Response: 223463127
Conc: 51.00 ng/ml



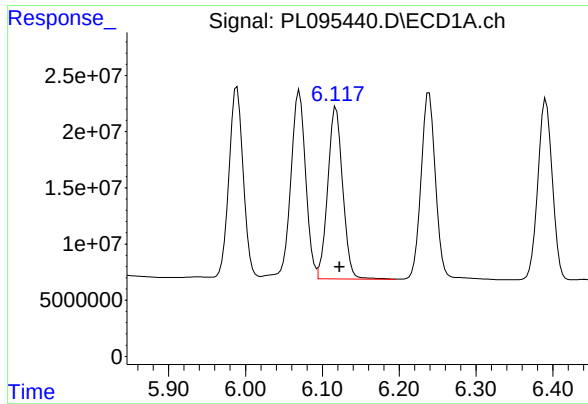
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214968820
Conc: 53.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.889 min
Delta R.T.: -0.004 min
Response: 190953783
Conc: 49.44 ng/ml



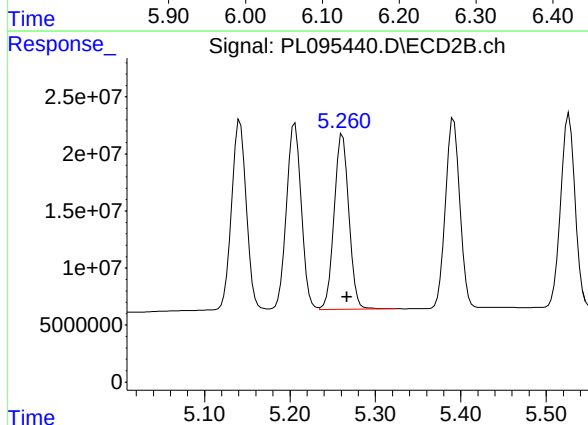
#9 Endosulfan I

R.T.: 6.118 min
Delta R.T.: -0.004 min
Response: 205545727
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

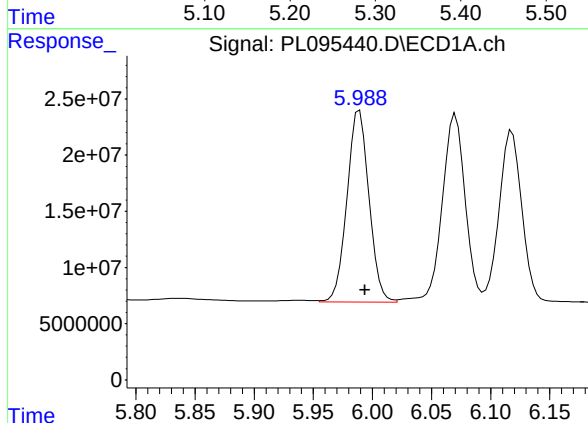
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



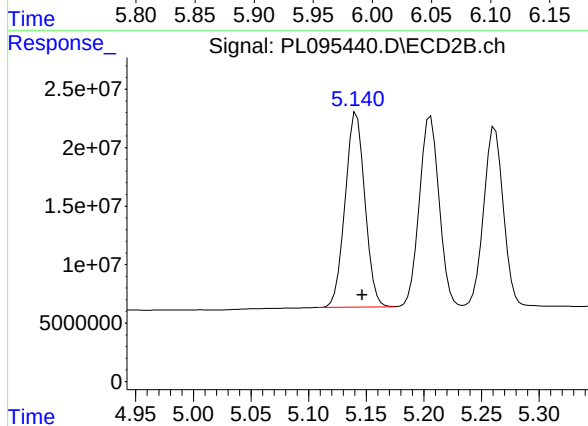
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 183883855
Conc: 50.24 ng/ml



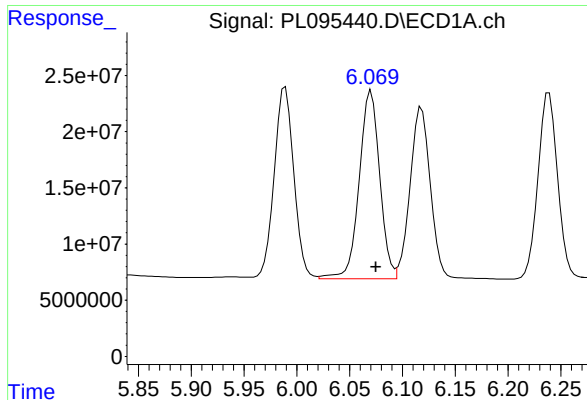
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.004 min
Response: 220495708
Conc: 54.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.140 min
Delta R.T.: -0.007 min
Response: 197005514
Conc: 48.61 ng/ml m



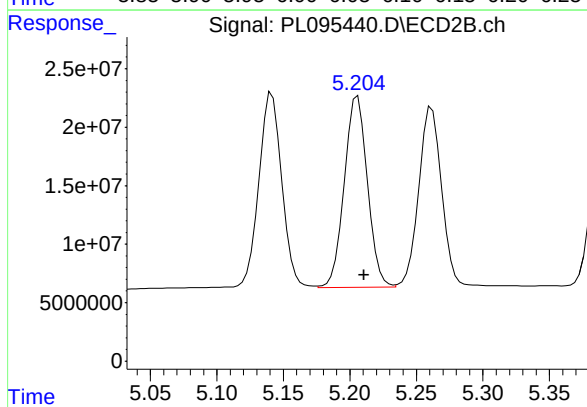
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 226480961
Conc: 55.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

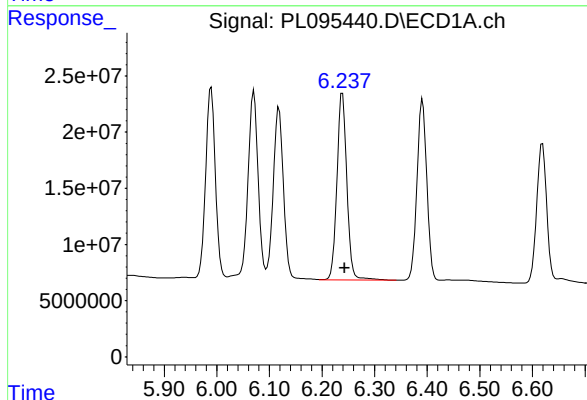
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



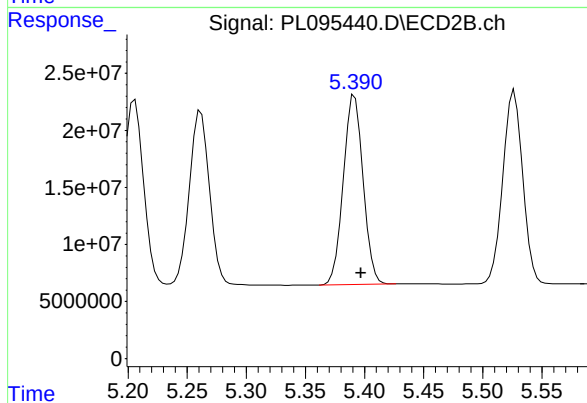
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 197750673
Conc: 49.67 ng/ml



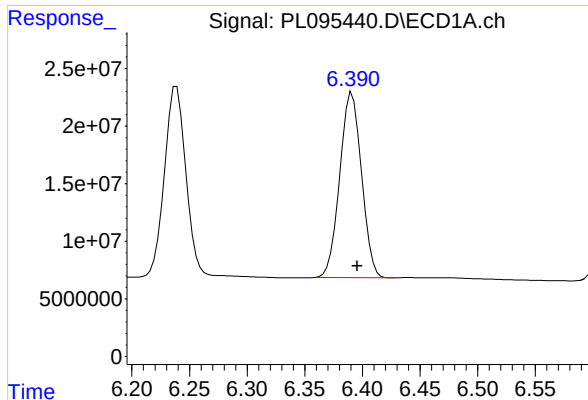
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 219897725
Conc: 56.09 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 192997790
Conc: 47.45 ng/ml



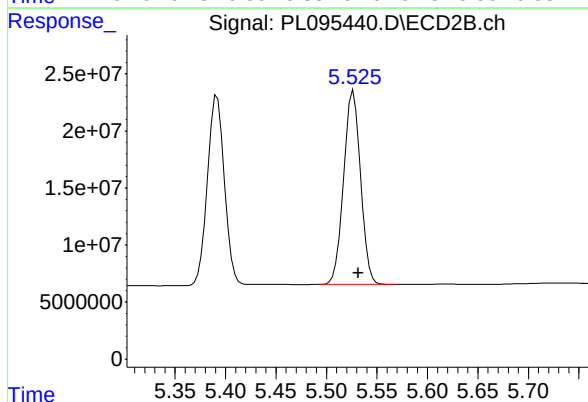
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 209166326
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

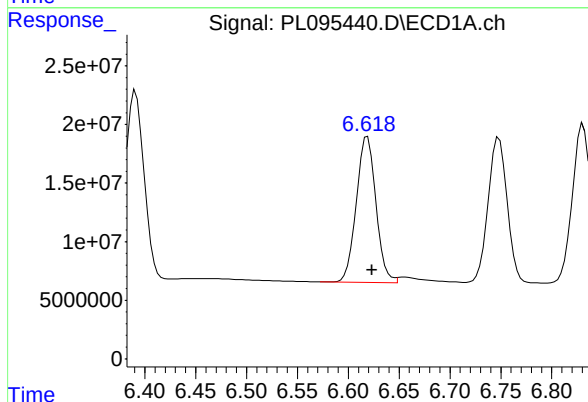
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



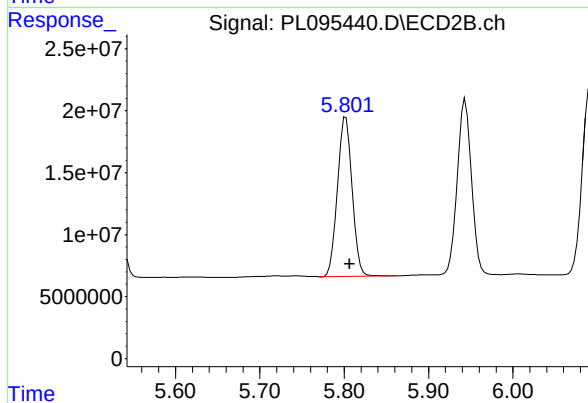
#13 Dieldrin

R.T.: 5.527 min
Delta R.T.: -0.005 min
Response: 198164030
Conc: 48.72 ng/ml



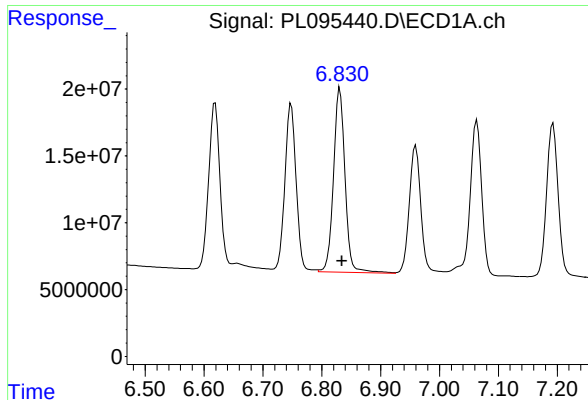
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166947576
Conc: 52.42 ng/ml



#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 155741444
Conc: 42.78 ng/ml



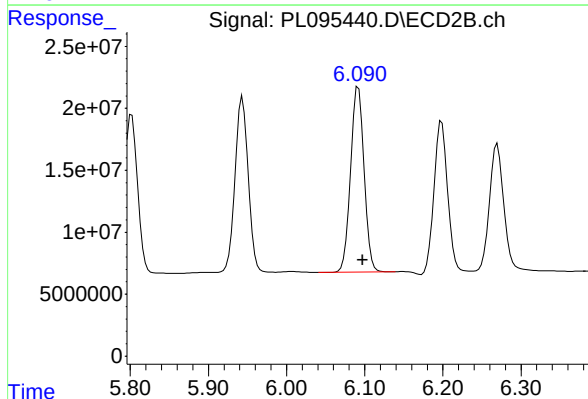
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 186940626
Conc: 58.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

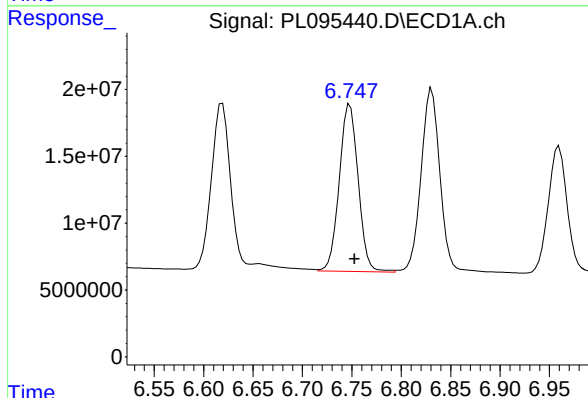
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



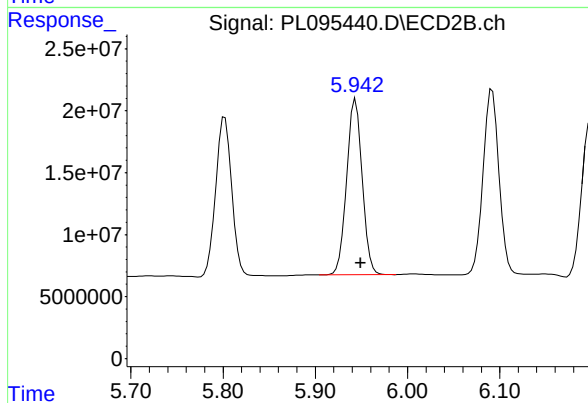
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.005 min
Response: 178680070
Conc: 49.76 ng/ml



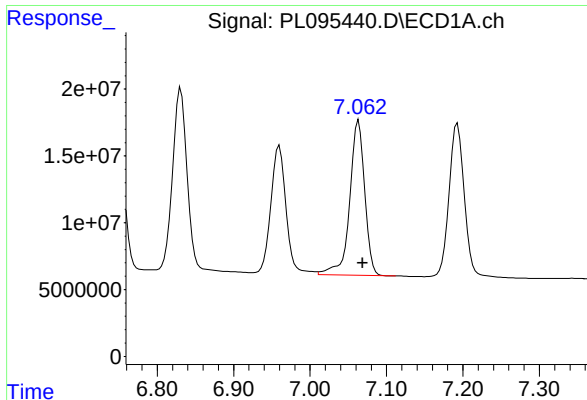
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166208955
Conc: 58.71 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 165652788
Conc: 50.71 ng/ml



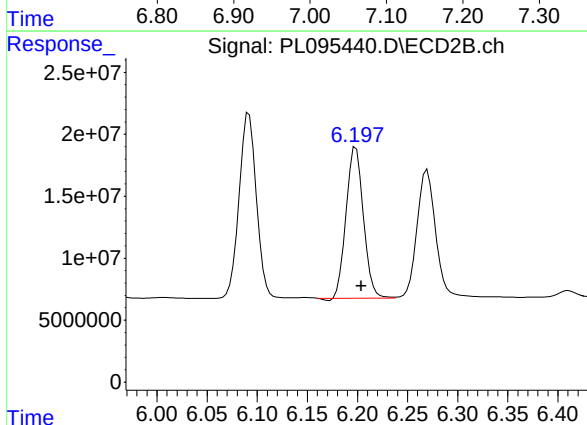
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159422273
Conc: 55.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

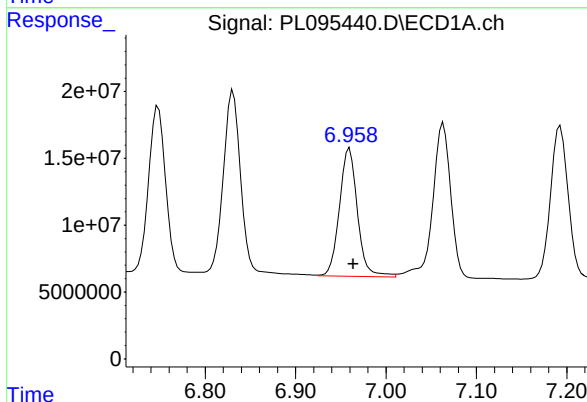
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



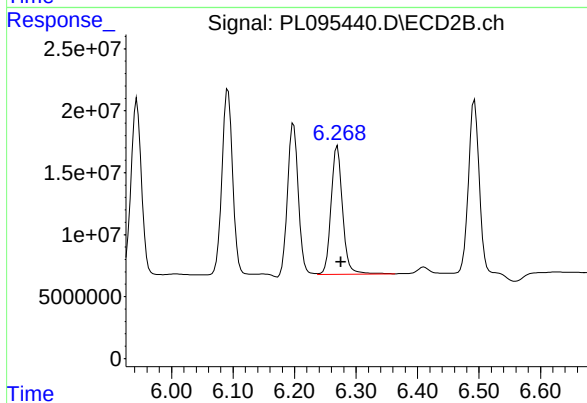
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 146167973
Conc: 42.54 ng/ml



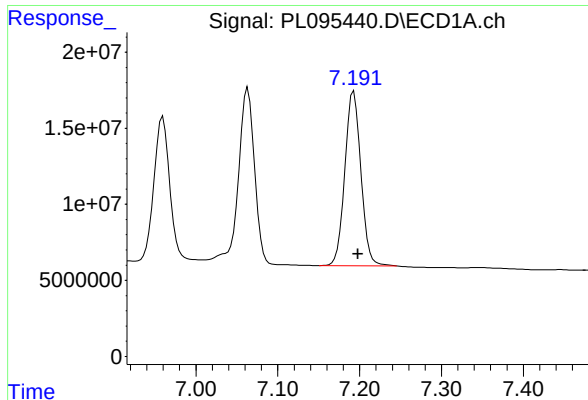
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 132747755
Conc: 57.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 134483009
Conc: 51.46 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.191 min
Delta R.T.: -0.007 min
Response: 157462880
Conc: 56.20 ng/ml

Instrument :

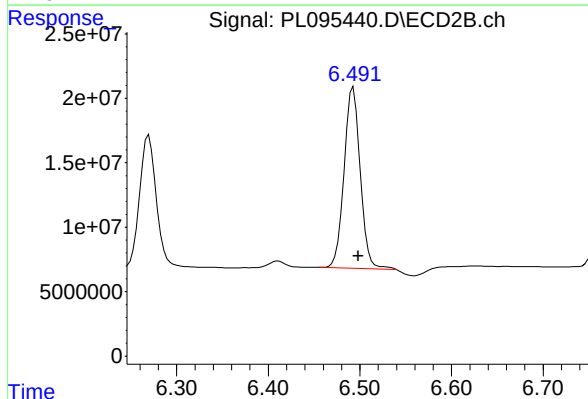
ECD_L

ClientSampleId :

PSTDCCC050

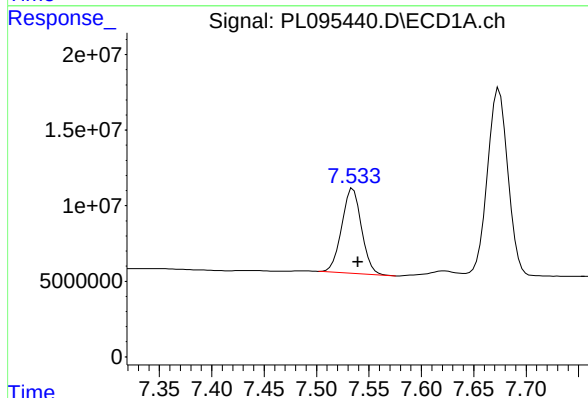
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



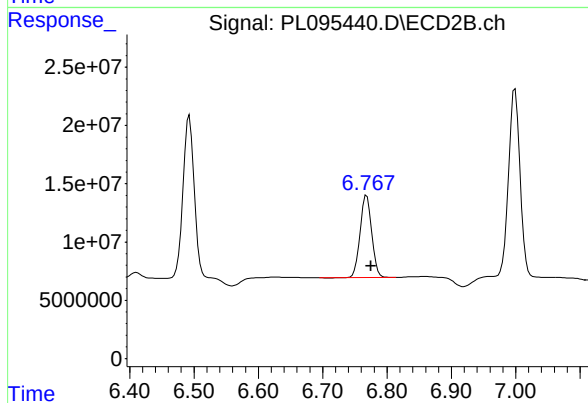
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 172972314
Conc: 52.13 ng/ml



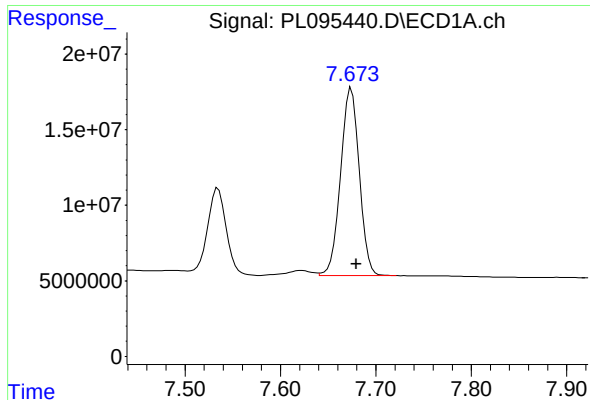
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 73516314
Conc: 52.69 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 88053321
Conc: 46.16 ng/ml



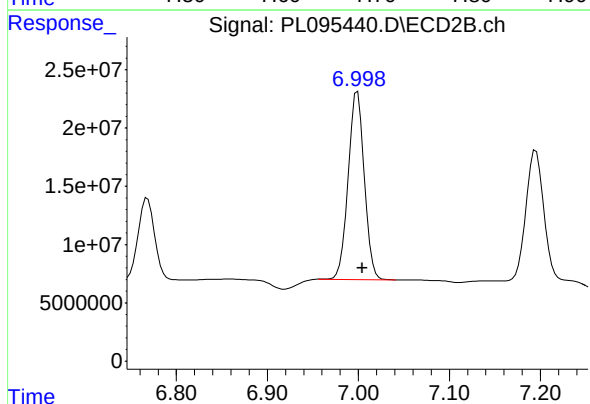
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 169263018
Conc: 59.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

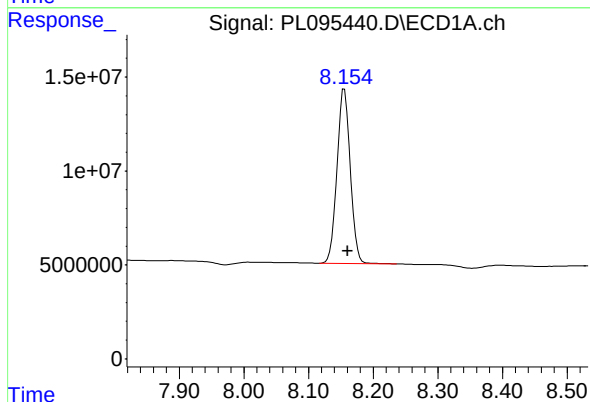
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



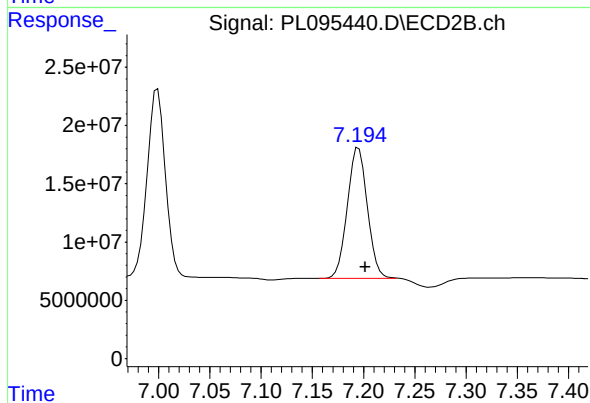
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.005 min
Response: 199582150
Conc: 56.68 ng/ml



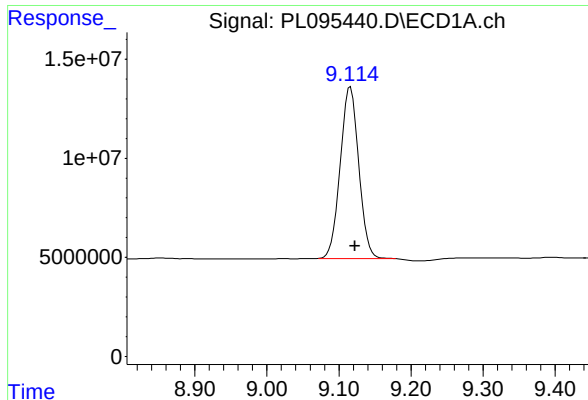
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 132324817
Conc: 55.69 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 152337636
Conc: 52.85 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 154263194
Conc: 55.67 ng/ml

Instrument :

ECD_L

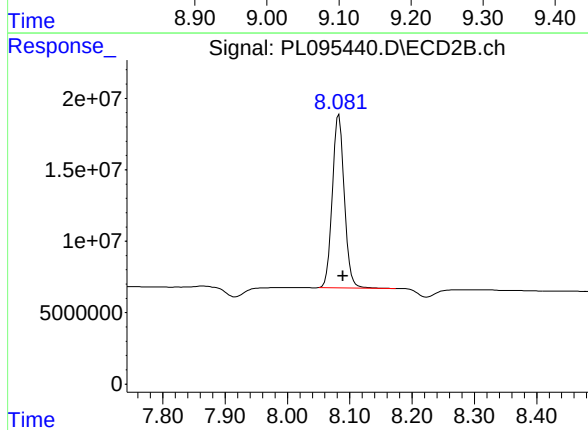
ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 161807409
Conc: 54.68 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.12	9.02	9.22	0.01
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.31	5.32	5.22	5.42	0.01
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.53	7.54	7.44	7.64	0.01
Endrin ketone	7.67	7.68	7.58	7.78	0.01
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/28/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
alpha-BHC	3.41	3.42	3.32	3.52	0.01
beta-BHC	4.04	4.04	3.94	4.14	0.00
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.10	4.00	4.20	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.26	5.27	5.17	5.37	0.01
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Endosulfan II	6.09	6.10	6.00	6.20	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
Endosulfan sulfate	6.49	6.50	6.40	6.60	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.21	5.21	5.11	5.31	0.01
gamma-Chlordane	5.14	5.15	5.05	5.25	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL02 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095451.D Time Analyzed: 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.748	6.653	6.853	58.810	50.000	17.6
4,4'-DDE	6.238	6.143	6.343	54.780	50.000	9.6
4,4'-DDT	7.063	6.969	7.169	54.390	50.000	8.8
Aldrin	5.314	5.218	5.418	53.180	50.000	6.4
alpha-BHC	4.043	3.946	4.146	53.360	50.000	6.7
alpha-Chlordane	6.070	5.975	6.175	54.770	50.000	9.5
beta-BHC	4.560	4.464	4.664	52.080	50.000	4.2
Decachlorobiphenyl	9.114	9.022	9.222	54.790	50.000	9.6
delta-BHC	4.807	4.712	4.912	52.820	50.000	5.6
Dieldrin	6.391	6.296	6.496	55.290	50.000	10.6
Endosulfan I	6.117	6.023	6.223	54.610	50.000	9.2
Endosulfan II	6.830	6.735	6.935	57.020	50.000	14.0
Endosulfan sulfate	7.193	7.098	7.298	55.560	50.000	11.1
Endrin	6.618	6.523	6.723	53.150	50.000	6.3
Endrin aldehyde	6.959	6.864	7.064	56.110	50.000	12.2
Endrin ketone	7.674	7.579	7.779	58.090	50.000	16.2
gamma-BHC (Lindane)	4.373	4.277	4.477	53.020	50.000	6.0
gamma-Chlordane	5.989	5.894	6.094	54.920	50.000	9.8
Heptachlor	4.972	4.876	5.076	52.040	50.000	4.1
Heptachlor epoxide	5.735	5.639	5.839	54.170	50.000	8.3
Methoxychlor	7.534	7.440	7.640	52.010	50.000	4.0
Tetrachloro-m-xylene	3.592	3.495	3.695	52.860	50.000	5.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL02 Date Analyzed: 04/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL095451.D Time Analyzed: 18:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.943	5.849	6.049	55.510	50.000	11.0
4,4'-DDE	5.391	5.297	5.497	53.150	50.000	6.3
4,4'-DDT	6.197	6.104	6.304	51.870	50.000	3.7
Aldrin	4.386	4.290	4.490	54.570	50.000	9.1
alpha-BHC	3.414	3.316	3.516	56.990	50.000	14.0
alpha-Chlordane	5.205	5.111	5.311	53.830	50.000	7.7
beta-BHC	4.040	3.944	4.144	53.540	50.000	7.1
Decachlorobiphenyl	8.082	7.989	8.189	56.620	50.000	13.2
delta-BHC	4.276	4.180	4.380	55.380	50.000	10.8
Dieldrin	5.526	5.432	5.632	53.280	50.000	6.6
Endosulfan I	5.261	5.167	5.367	54.140	50.000	8.3
Endosulfan II	6.091	5.997	6.197	54.110	50.000	8.2
Endosulfan sulfate	6.492	6.398	6.598	54.200	50.000	8.4
Endrin	5.801	5.707	5.907	49.940	50.000	-0.1
Endrin aldehyde	6.269	6.175	6.375	54.360	50.000	8.7
Endrin ketone	6.997	6.904	7.104	59.900	50.000	19.8
gamma-BHC (Lindane)	3.747	3.650	3.850	55.390	50.000	10.8
gamma-Chlordane	5.141	5.047	5.247	53.630	50.000	7.3
Heptachlor	4.101	4.004	4.204	53.080	50.000	6.2
Heptachlor epoxide	4.888	4.793	4.993	53.900	50.000	7.8
Methoxychlor	6.767	6.675	6.875	50.330	50.000	0.7
Tetrachloro-m-xylene	2.904	2.806	3.006	54.290	50.000	8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095451.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 18:58
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:36:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.904	172.6E6	172.6E6	52.859	54.288
28)	SA Decachlor...	9.114	8.082	151.8E6	167.5E6	54.790	56.619
Target Compounds							
2)	A alpha-BHC	4.043	3.414	264.3E6	253.5E6	53.358	56.988
3)	MA gamma-BHC...	4.373	3.747	251.0E6	243.6E6	53.023m	55.392
4)	MA Heptachlor	4.972	4.101	238.1E6	231.3E6	52.042	53.082
5)	MB Aldrin	5.314	4.386	244.2E6	224.6E6	53.177	54.565
6)	B beta-BHC	4.560	4.040	107.7E6	111.1E6	52.085	53.537
7)	B delta-BHC	4.807	4.276	245.7E6	242.7E6	52.822m	55.377
8)	B Heptachlo...	5.735	4.888	216.9E6	208.2E6	54.167	53.897
9)	A Endosulfan I	6.117	5.261	207.4E6	198.2E6	54.611	54.141
10)	B gamma-Chl...	5.989	5.141	224.0E6	217.3E6	54.922	53.626
11)	B alpha-Chl...	6.070	5.205	222.7E6	214.3E6	54.771	53.825
12)	B 4,4'-DDE	6.238	5.391	214.8E6	216.2E6	54.779	53.153
13)	MA Dieldrin	6.391	5.526	213.1E6	216.7E6	55.288	53.277
14)	MA Endrin	6.618	5.801	169.3E6	181.8E6	53.148	49.941
15)	B Endosulfa...	6.830	6.091	182.0E6	194.3E6	57.016	54.107
16)	A 4,4'-DDD	6.748	5.943	166.5E6	181.3E6	58.812	55.510
17)	MA 4,4'-DDT	7.063	6.197	154.9E6	178.2E6	54.389	51.873
18)	B Endrin al...	6.959	6.269	130.2E6	142.0E6	56.110	54.358
19)	B Endosulfa...	7.193	6.492	155.7E6	179.8E6	55.555	54.197
20)	A Methoxychlor	7.534	6.767	72562078	96009994	52.011	50.335m
21)	B Endrin ke...	7.674	6.997	165.6E6	210.9E6	58.092	59.902m
22)	Mirex	8.155	7.193	131.4E6	162.0E6	55.285	56.187m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

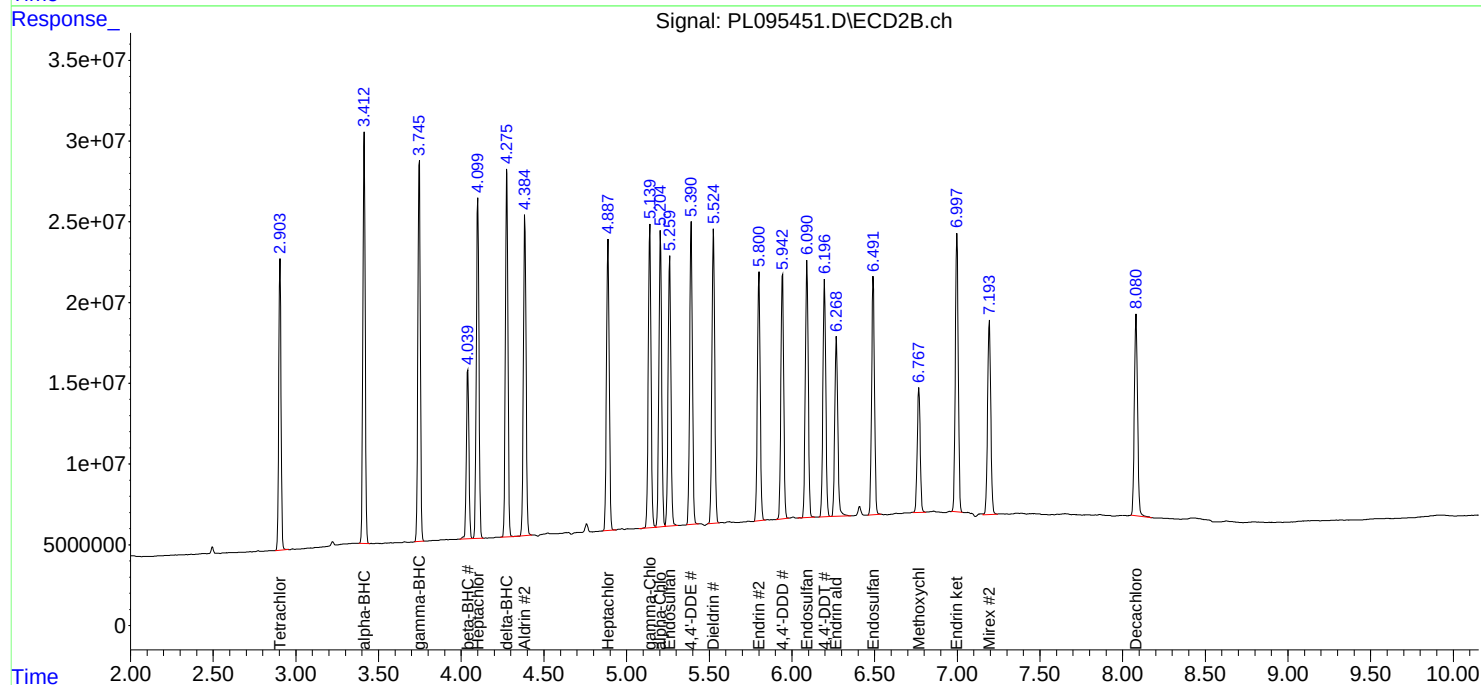
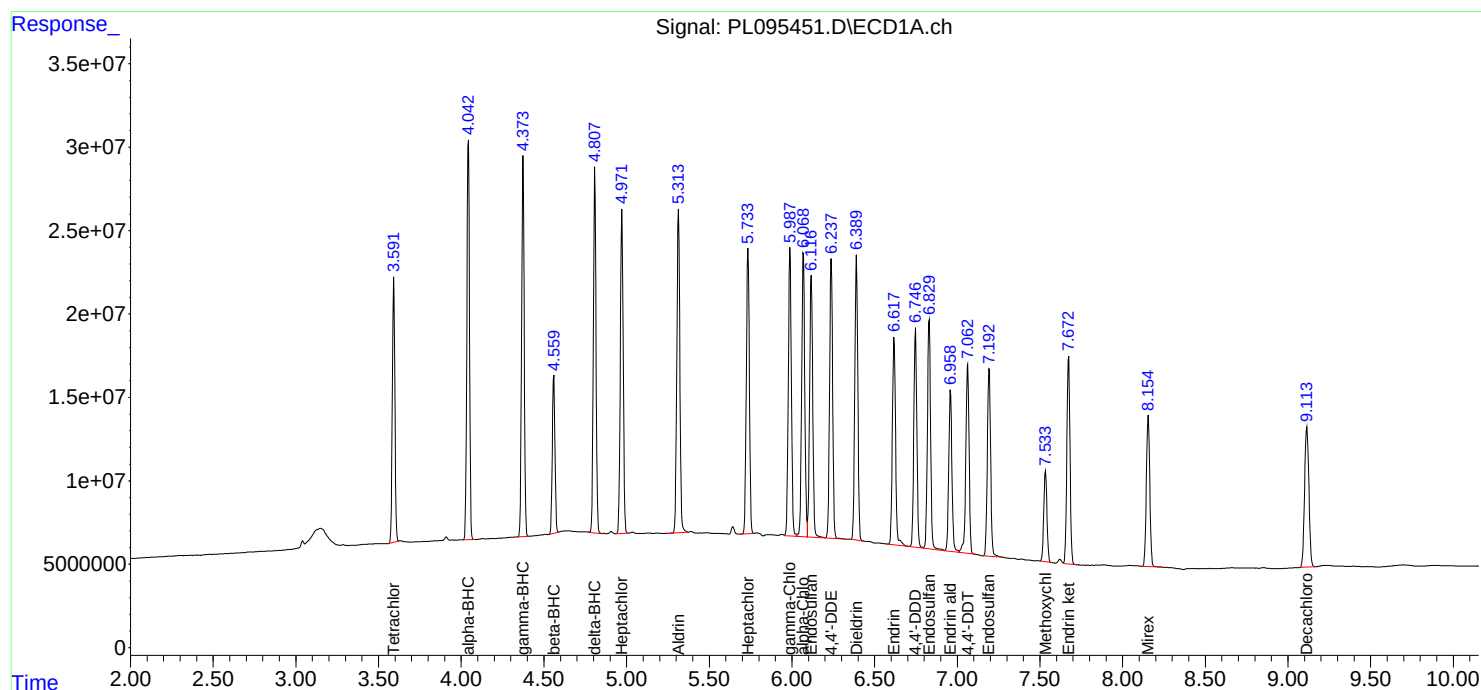
APPROVED

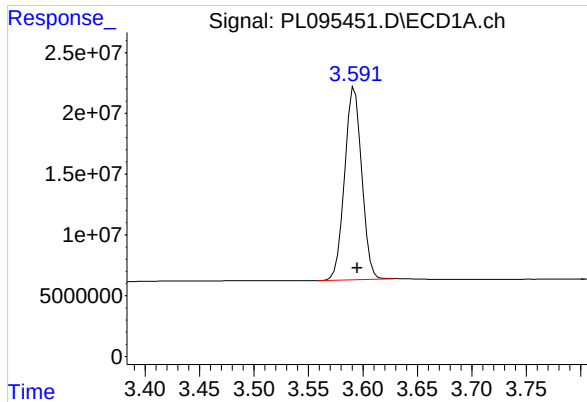
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





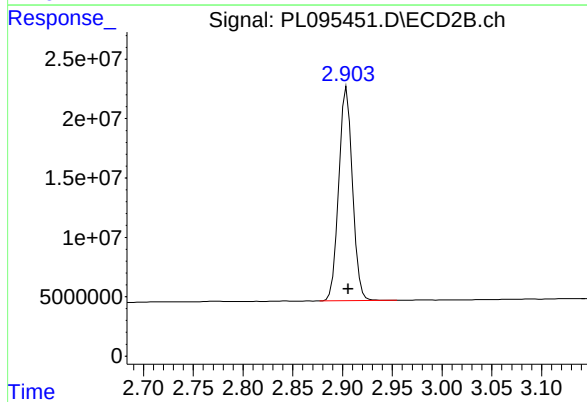
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 172565826
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

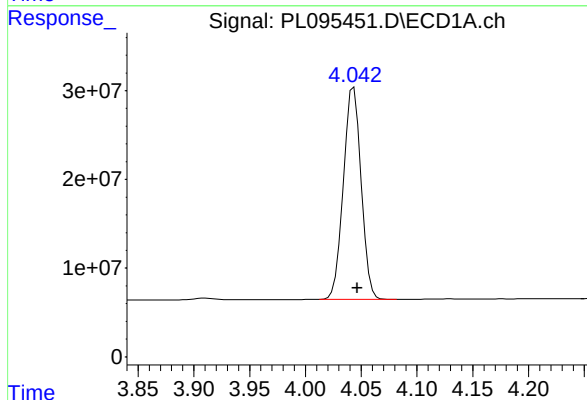
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



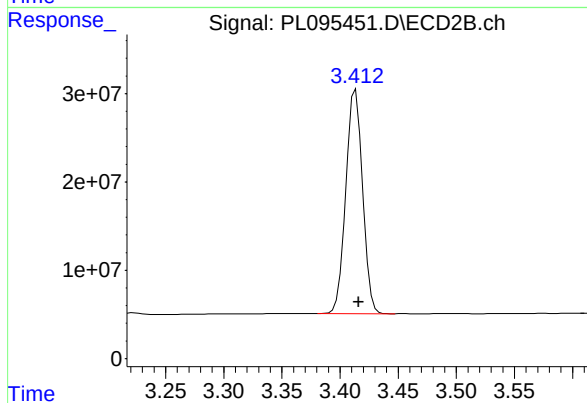
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 172620852
Conc: 54.29 ng/ml



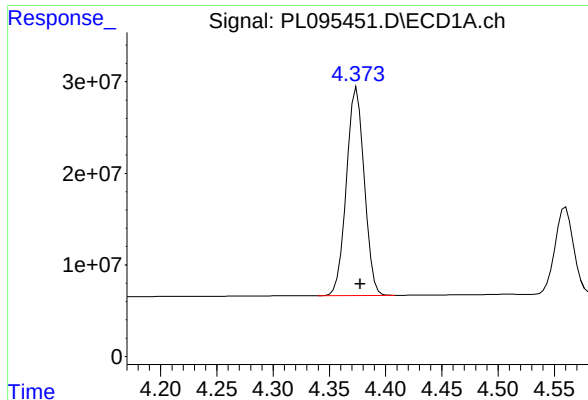
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 264320892
Conc: 53.36 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 253523716
Conc: 56.99 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 251007333
Conc: 53.02 ng/ml

Instrument :

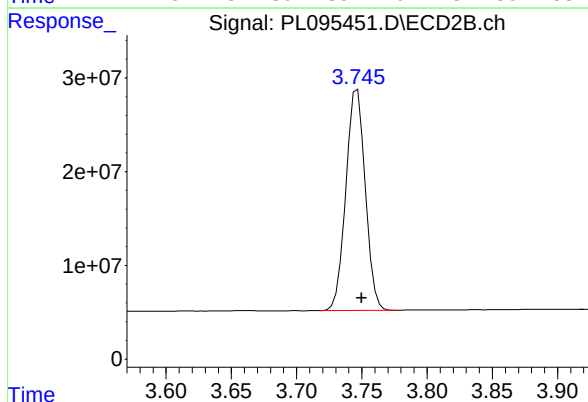
ECD_L

ClientSampleId :

PSTDCCC050

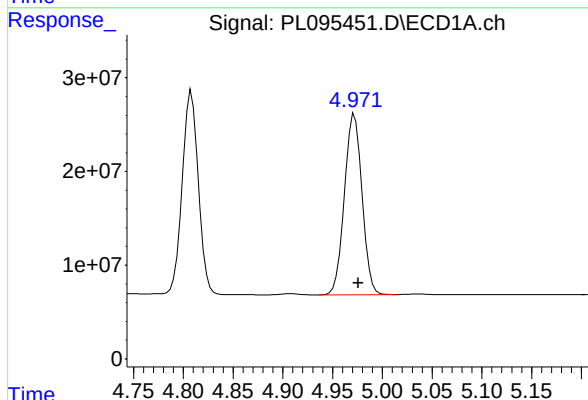
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



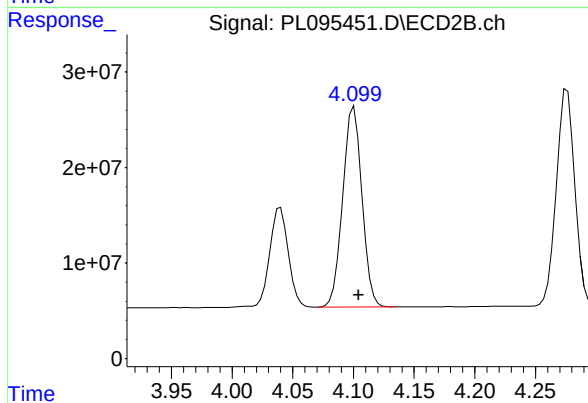
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 243628224
Conc: 55.39 ng/ml



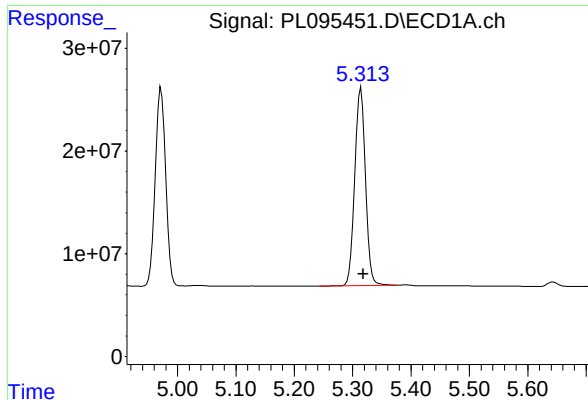
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 238064984
Conc: 52.04 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 231262867
Conc: 53.08 ng/ml



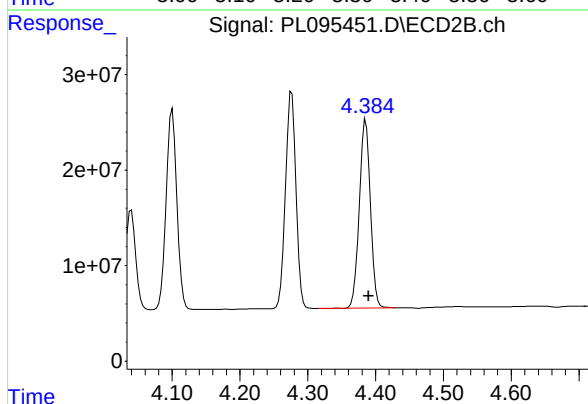
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 244242332
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

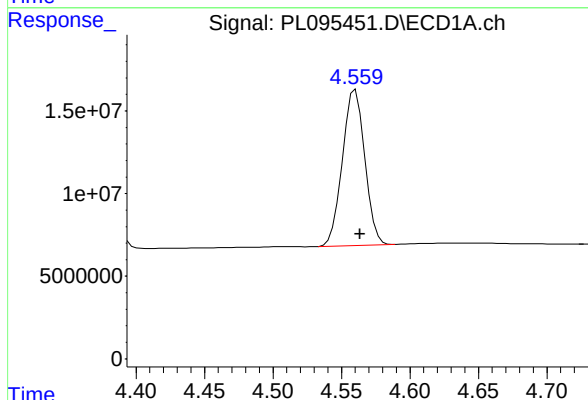
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



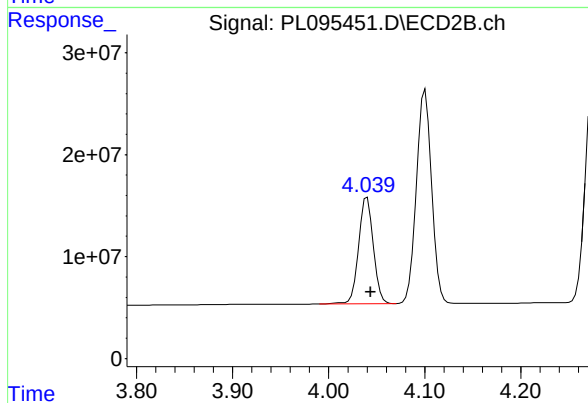
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 224573916
Conc: 54.57 ng/ml



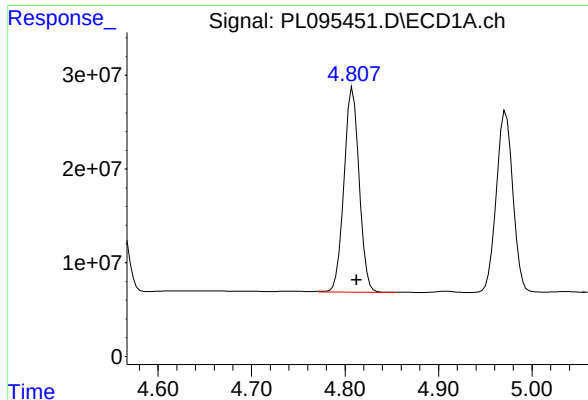
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 107685963
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 111135903
Conc: 53.54 ng/ml



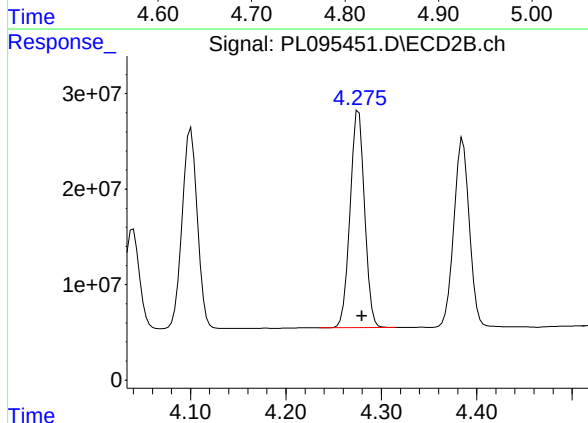
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.006 min
Response: 245660591
Conc: 52.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

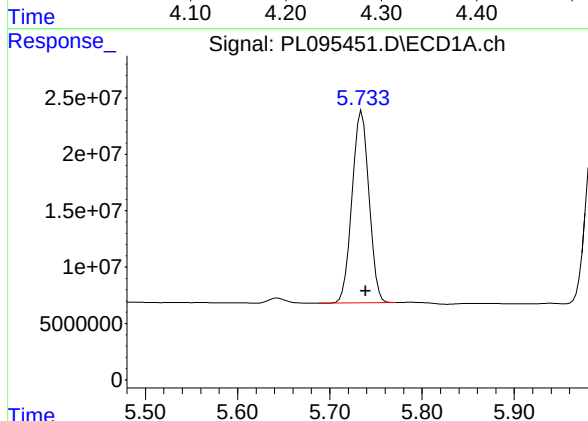
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



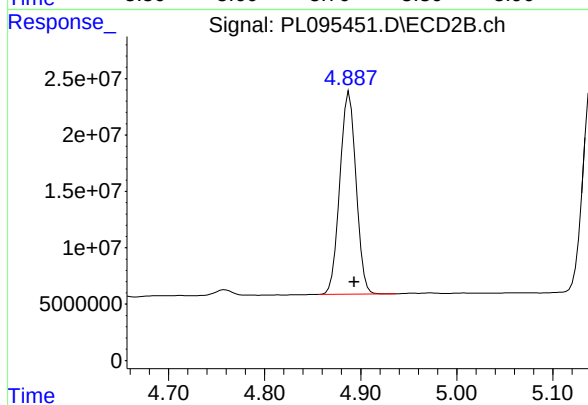
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 242661100
Conc: 55.38 ng/ml



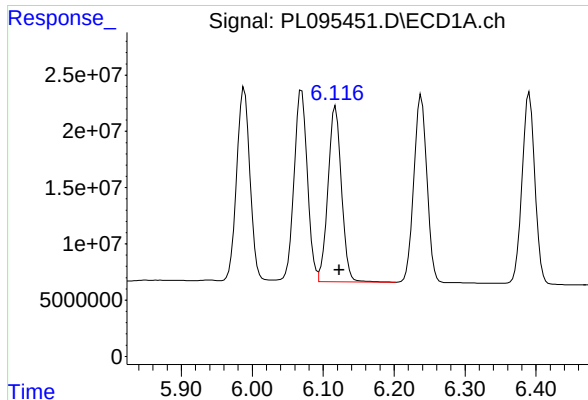
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 216945339
Conc: 54.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 208185381
Conc: 53.90 ng/ml



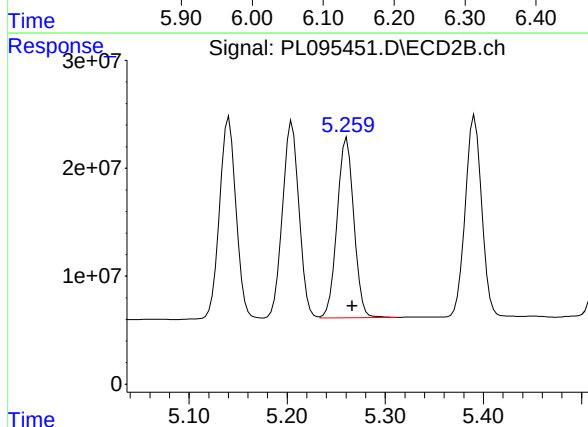
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 207386575
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

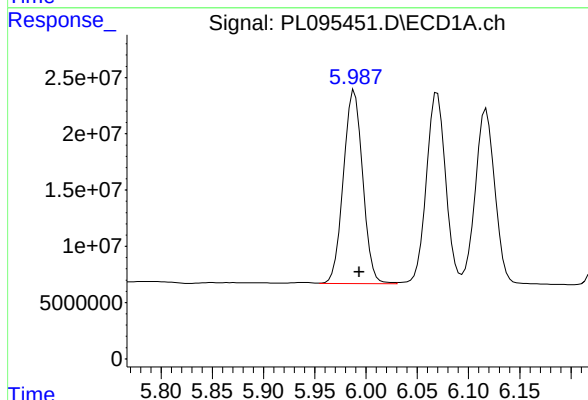
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



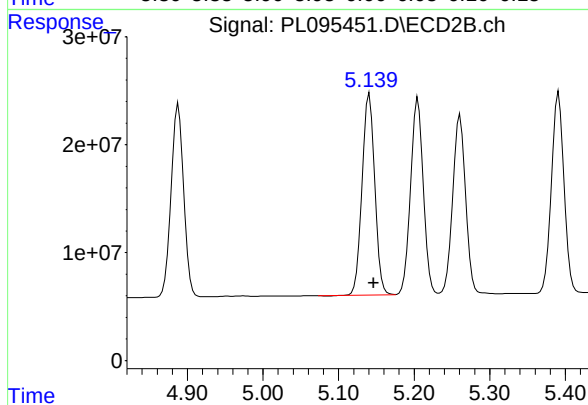
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 198179761
Conc: 54.14 ng/ml



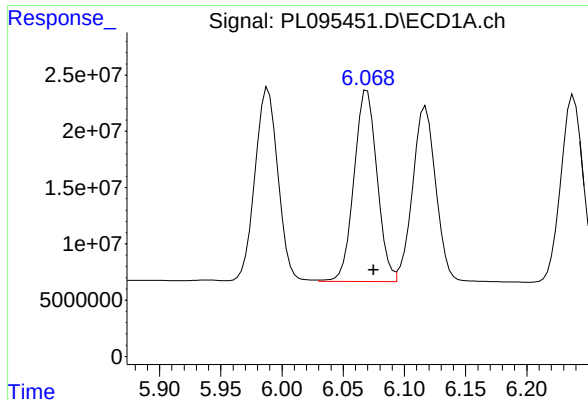
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 224047344
Conc: 54.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 217329585
Conc: 53.63 ng/ml



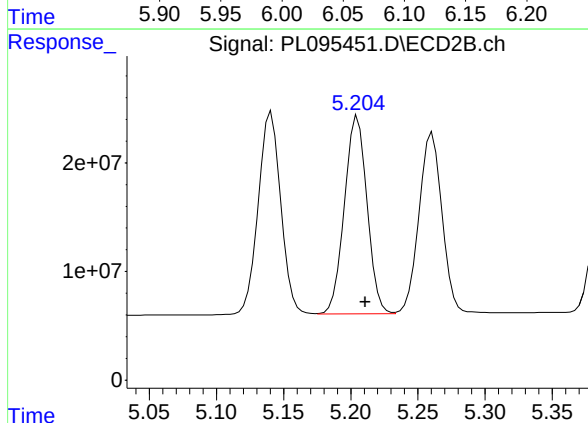
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 222705903
Conc: 54.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

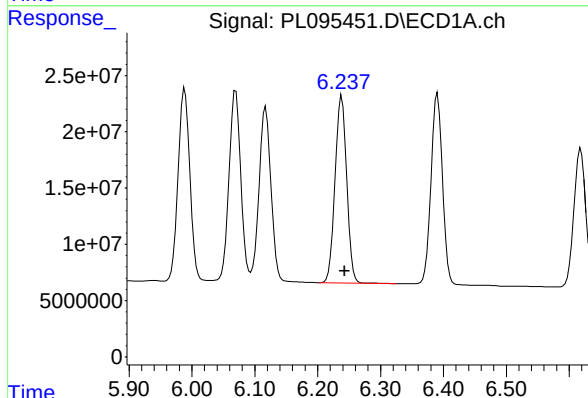
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



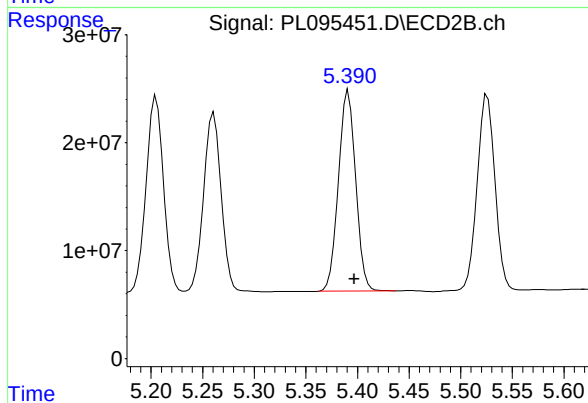
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.006 min
Response: 214280820
Conc: 53.83 ng/ml



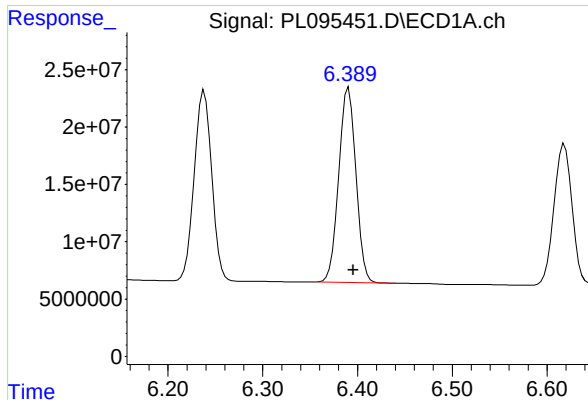
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 214763519
Conc: 54.78 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 216173386
Conc: 53.15 ng/ml



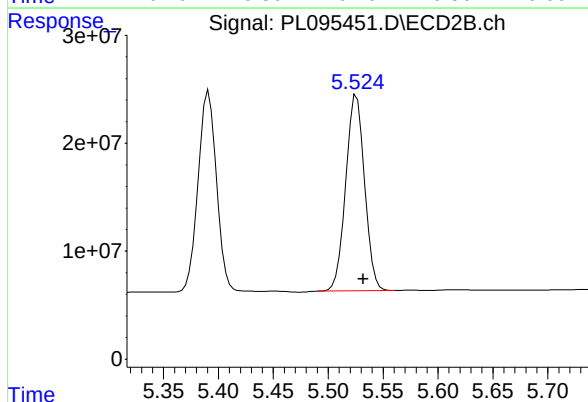
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 213126675
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

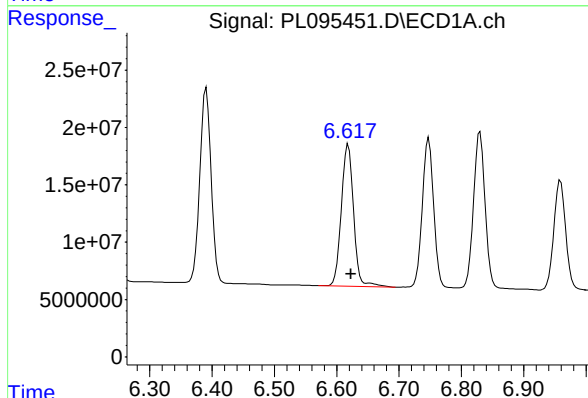
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



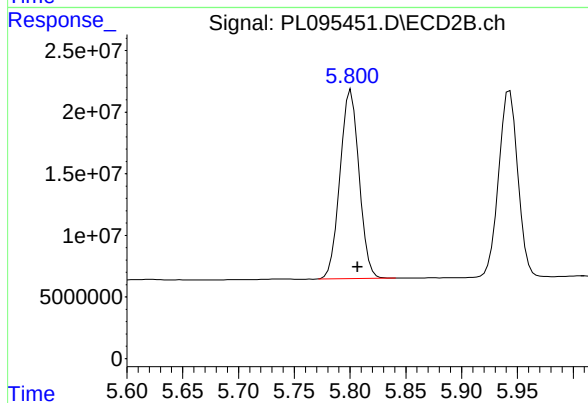
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 216681513
Conc: 53.28 ng/ml



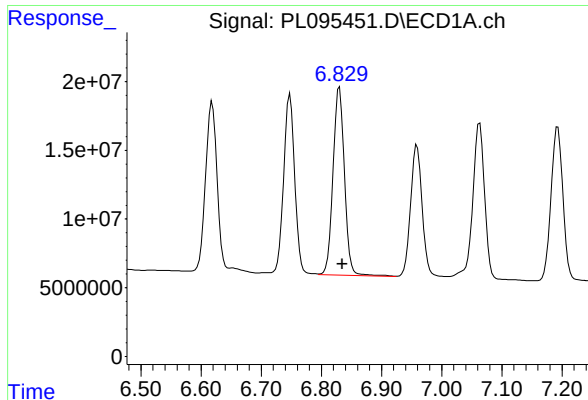
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 169264300
Conc: 53.15 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 181821231
Conc: 49.94 ng/ml



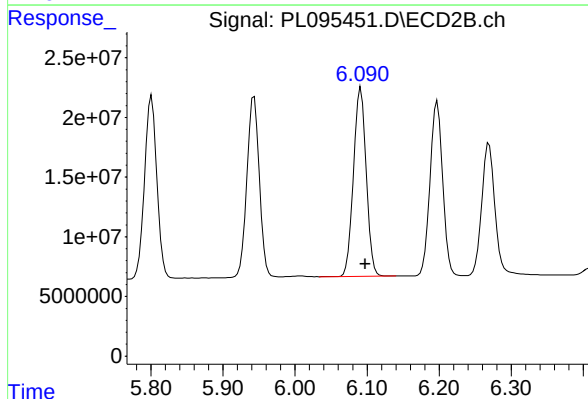
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 182005014
Conc: 57.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

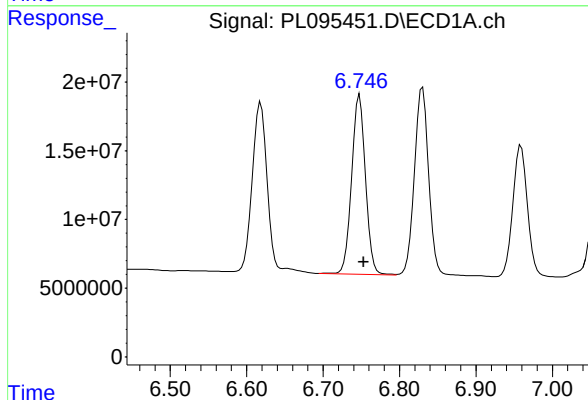
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



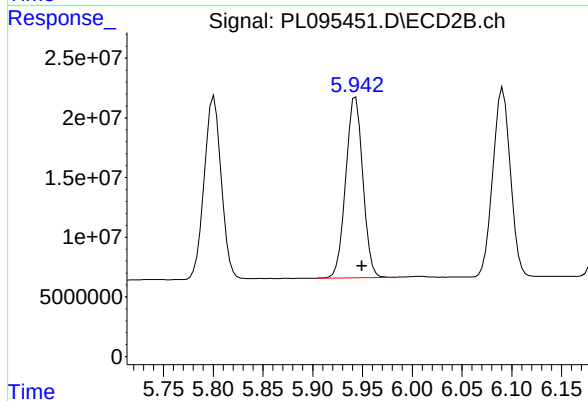
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 194304216
Conc: 54.11 ng/ml



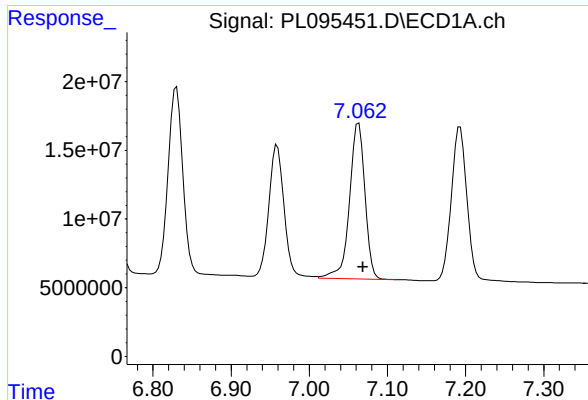
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166493713
Conc: 58.81 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 181339682
Conc: 55.51 ng/ml



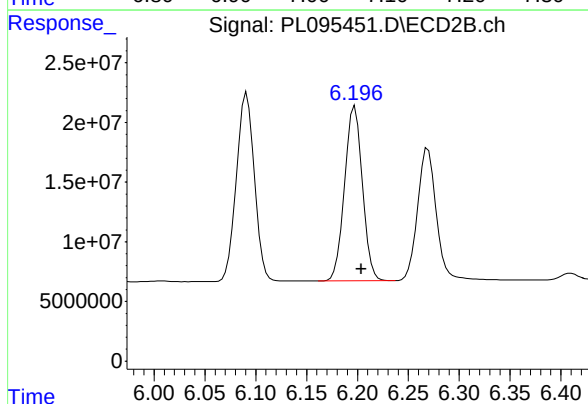
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 154931281
Conc: 54.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

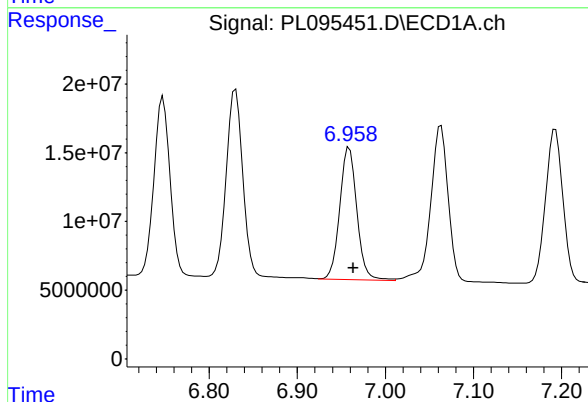
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



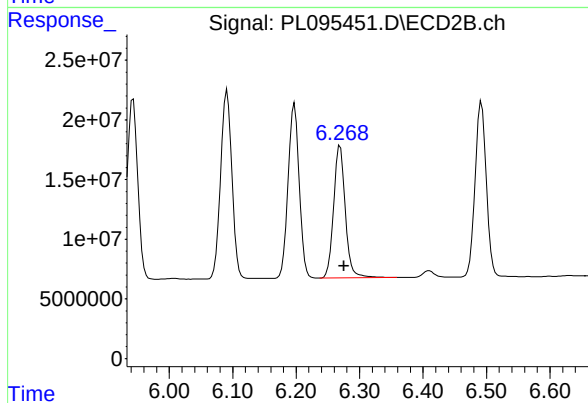
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.006 min
Response: 178244505
Conc: 51.87 ng/ml



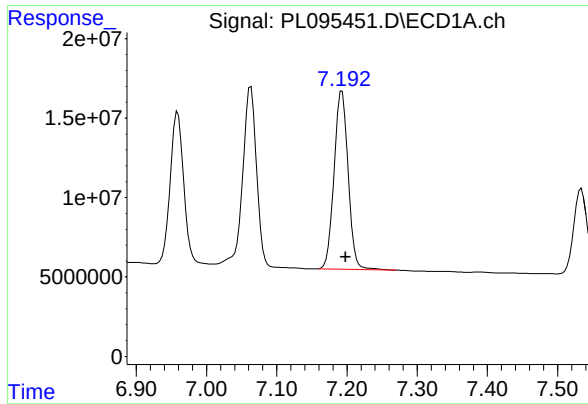
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 130220961
Conc: 56.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 142045996
Conc: 54.36 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 155653995
Conc: 55.56 ng/ml

Instrument :

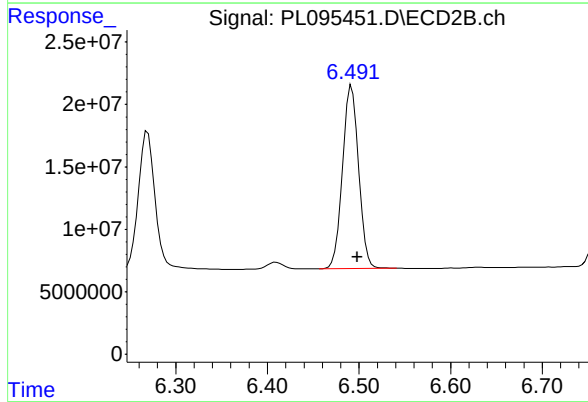
ECD_L

ClientSampleId :

PSTDCCC050

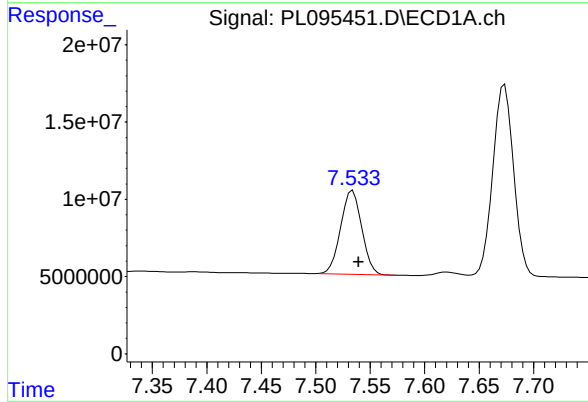
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



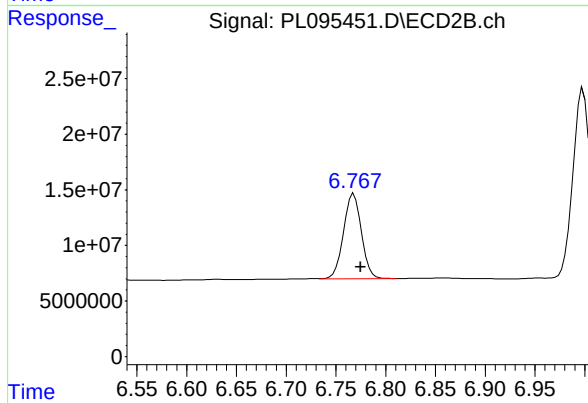
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.006 min
Response: 179822939
Conc: 54.20 ng/ml



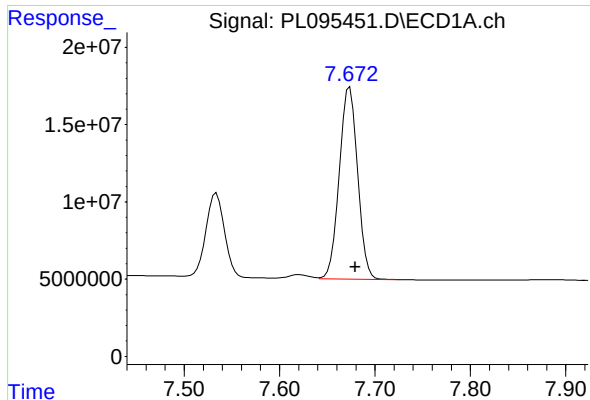
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.006 min
Response: 72562078
Conc: 52.01 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.008 min
Response: 96009994
Conc: 50.33 ng/ml m



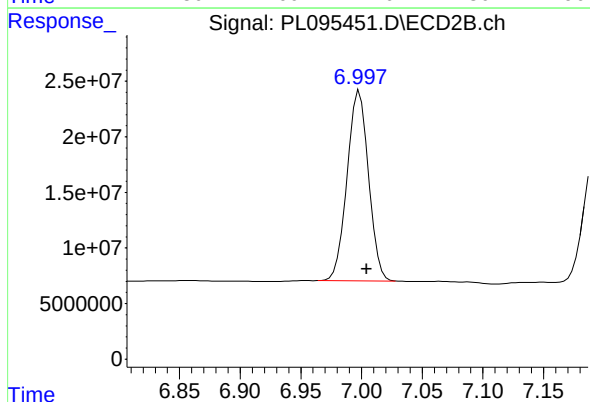
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 165613167
Conc: 58.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

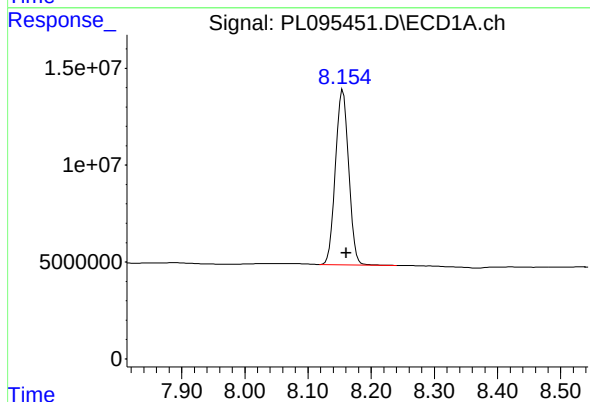
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



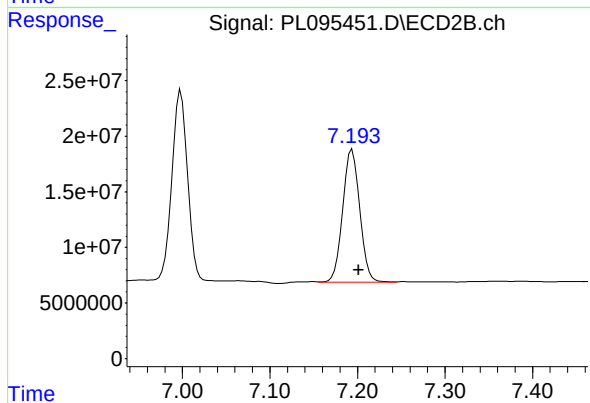
#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: -0.007 min
Response: 210933176
Conc: 59.90 ng/ml m



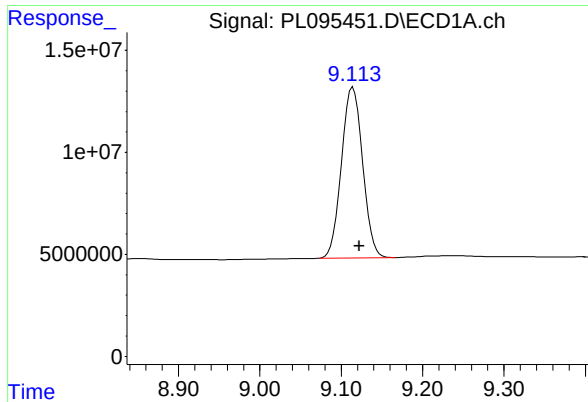
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 131359260
Conc: 55.28 ng/ml



#22 Mirex

R.T.: 7.193 min
Delta R.T.: -0.009 min
Response: 161953522
Conc: 56.19 ng/ml m



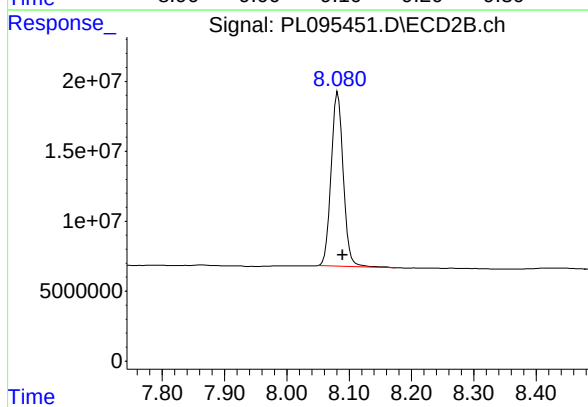
#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 151812184
Conc: 54.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 167549987
Conc: 56.62 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 13:07 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 13:07 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.90	2.91	2.81	3.01	0.01
alpha-BHC	3.41	3.42	3.32	3.52	0.01
beta-BHC	4.04	4.04	3.94	4.14	0.00
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.10	4.00	4.20	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.26	5.27	5.17	5.37	0.01
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Endosulfan II	6.09	6.10	6.00	6.20	0.01
4,4'-DDD	5.94	5.95	5.85	6.05	0.01
Endosulfan sulfate	6.49	6.50	6.40	6.60	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.20	5.21	5.11	5.31	0.01
gamma-Chlordane	5.14	5.15	5.05	5.25	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095475.D Time Analyzed: 13:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.750	6.653	6.853	59.620	50.000	19.2
4,4'-DDE	6.240	6.143	6.343	54.050	50.000	8.1
4,4'-DDT	7.065	6.969	7.169	52.560	50.000	5.1
Aldrin	5.316	5.218	5.418	52.020	50.000	4.0
alpha-BHC	4.045	3.946	4.146	52.680	50.000	5.4
alpha-Chlordane	6.071	5.975	6.175	53.690	50.000	7.4
beta-BHC	4.562	4.464	4.664	51.830	50.000	3.7
Decachlorobiphenyl	9.118	9.022	9.222	53.870	50.000	7.7
delta-BHC	4.809	4.712	4.912	51.970	50.000	3.9
Dieldrin	6.393	6.296	6.496	55.030	50.000	10.1
Endosulfan I	6.119	6.023	6.223	53.720	50.000	7.4
Endosulfan II	6.830	6.735	6.935	55.920	50.000	11.8
Endosulfan sulfate	7.194	7.098	7.298	55.120	50.000	10.2
Endrin	6.620	6.523	6.723	50.370	50.000	0.7
Endrin aldehyde	6.961	6.864	7.064	55.930	50.000	11.9
Endrin ketone	7.676	7.579	7.779	59.190	50.000	18.4
gamma-BHC (Lindane)	4.375	4.277	4.477	52.620	50.000	5.2
gamma-Chlordane	5.991	5.894	6.094	54.040	50.000	8.1
Heptachlor	4.974	4.876	5.076	51.250	50.000	2.5
Heptachlor epoxide	5.736	5.639	5.839	53.350	50.000	6.7
Methoxychlor	7.536	7.440	7.640	49.420	50.000	-1.2
Tetrachloro-m-xylene	3.594	3.495	3.695	51.720	50.000	3.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095475.D Time Analyzed: 13:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.942	5.849	6.049	51.510	50.000	3.0
4,4'-DDE	5.390	5.297	5.497	48.410	50.000	-3.2
4,4'-DDT	6.196	6.104	6.304	45.710	50.000	-8.6
Aldrin	4.385	4.290	4.490	49.140	50.000	-1.7
alpha-BHC	3.412	3.316	3.516	51.170	50.000	2.3
alpha-Chlordane	5.204	5.111	5.311	49.010	50.000	-2.0
beta-BHC	4.039	3.944	4.144	48.650	50.000	-2.7
Decachlorobiphenyl	8.081	7.989	8.189	53.560	50.000	7.1
delta-BHC	4.275	4.180	4.380	49.930	50.000	-0.1
Dieldrin	5.525	5.432	5.632	48.570	50.000	-2.9
Endosulfan I	5.260	5.167	5.367	49.840	50.000	-0.3
Endosulfan II	6.090	5.997	6.197	49.630	50.000	-0.7
Endosulfan sulfate	6.492	6.398	6.598	50.310	50.000	0.6
Endrin	5.800	5.707	5.907	44.440	50.000	-11.1
Endrin aldehyde	6.269	6.175	6.375	49.910	50.000	-0.2
Endrin ketone	6.997	6.904	7.104	57.110	50.000	14.2
gamma-BHC (Lindane)	3.746	3.650	3.850	50.120	50.000	0.2
gamma-Chlordane	5.138	5.047	5.247	48.900	50.000	-2.2
Heptachlor	4.100	4.004	4.204	47.530	50.000	-4.9
Heptachlor epoxide	4.887	4.793	4.993	48.920	50.000	-2.2
Methoxychlor	6.767	6.675	6.875	44.230	50.000	-11.5
Tetrachloro-m-xylene	2.903	2.806	3.006	49.110	50.000	-1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:07
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:55:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.594	2.903	168.8E6	156.2E6	51.720	49.112
28)	SA Decachlor...	9.118	8.081	149.3E6	158.5E6	53.875	53.558
Target Compounds							
2)	A alpha-BHC	4.045	3.412	260.9E6	227.6E6	52.676	51.167
3)	MA gamma-BHC...	4.375	3.746	249.1E6	220.4E6	52.617m	50.117
4)	MA Heptachlor	4.974	4.100	234.4E6	207.1E6	51.249	47.534
5)	MB Aldrin	5.316	4.385	238.9E6	202.2E6	52.016	49.136
6)	B beta-BHC	4.562	4.039	107.2E6	101.0E6	51.835	48.655
7)	B delta-BHC	4.809	4.275	241.7E6	218.8E6	51.969m	49.935
8)	B Heptachlo...	5.736	4.887	213.7E6	189.0E6	53.353	48.918
9)	A Endosulfan I	6.119	5.260	204.0E6	182.5E6	53.721	49.844
10)	B gamma-Chl...	5.991	5.138	220.5E6	198.2E6	54.040	48.903m
11)	B alpha-Chl...	6.071	5.204	218.3E6	195.1E6	53.692	49.010
12)	B 4,4'-DDE	6.240	5.390	211.9E6	196.9E6	54.050	48.406
13)	MA Dieldrin	6.393	5.525	212.1E6	197.5E6	55.029	48.570
14)	MA Endrin	6.620	5.800	160.4E6	161.8E6	50.372	44.445
15)	B Endosulfa...	6.830	6.090	178.5E6	178.2E6	55.919m	49.628
16)	A 4,4'-DDD	6.750	5.942	168.8E6	168.3E6	59.623	51.514
17)	MA 4,4'-DDT	7.065	6.196	149.7E6	157.1E6	52.564	45.712
18)	B Endrin al...	6.961	6.269	129.8E6	130.4E6	55.933	49.913
19)	B Endosulfa...	7.194	6.492	154.4E6	166.9E6	55.117	50.310
20)	A Methoxychlor	7.536	6.767	68941613	84372136	49.416	44.233
21)	B Endrin ke...	7.676	6.997	168.7E6	201.1E6	59.188	57.110
22)	Mirex	8.157	7.192	129.0E6	151.6E6	54.296	52.586m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

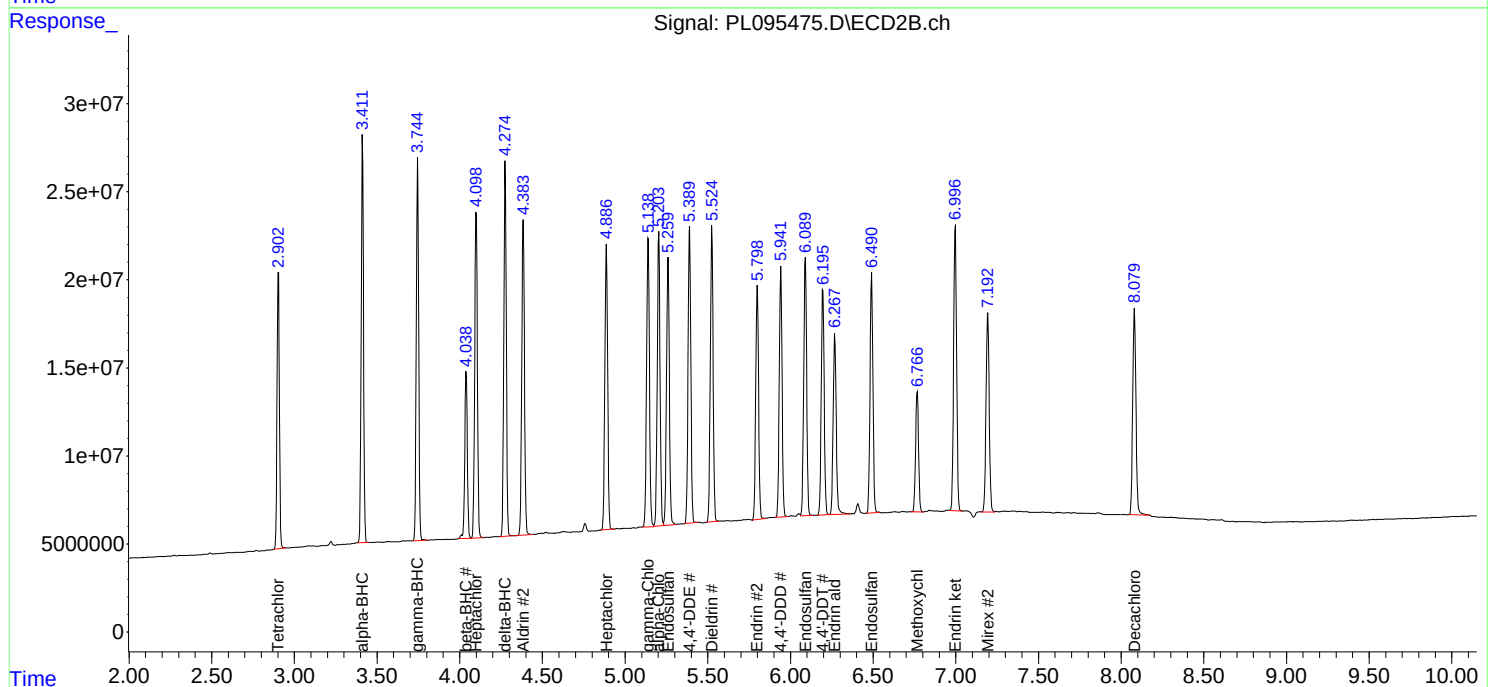
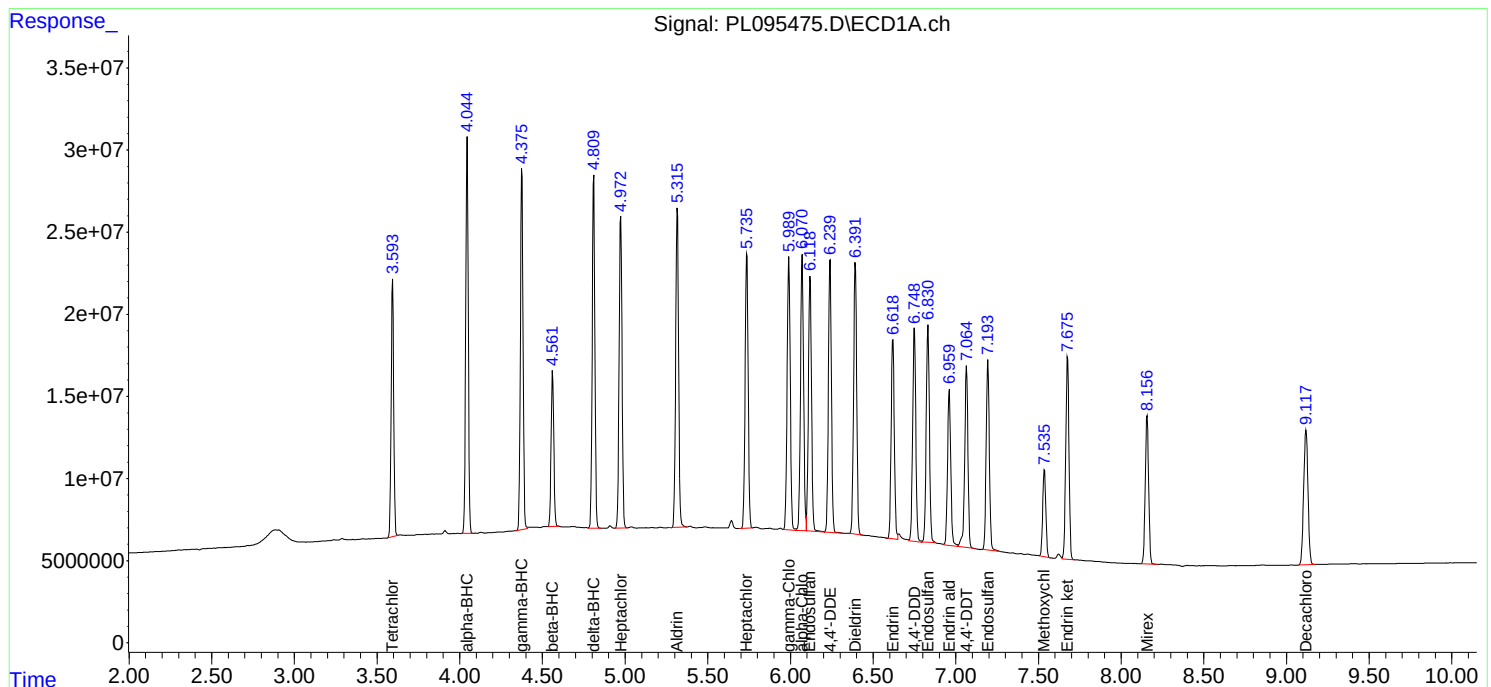
APPROVED

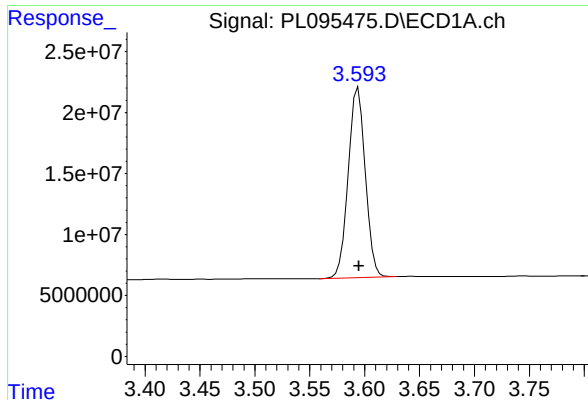
Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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.: 3.594 min
Delta R.T.: 0.000 min
Response: 168849799
Conc: 51.72 ng/ml

Instrument :

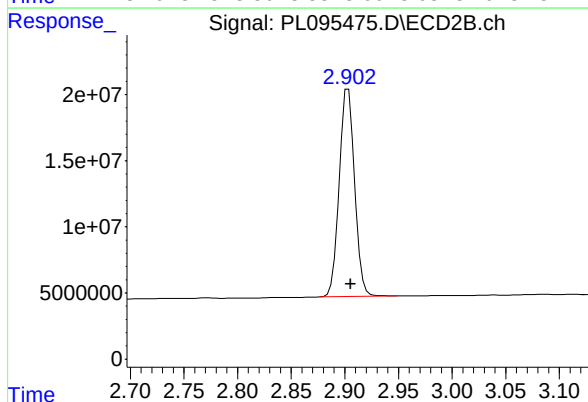
ECD_L

ClientSampleId :

PSTDCCC050

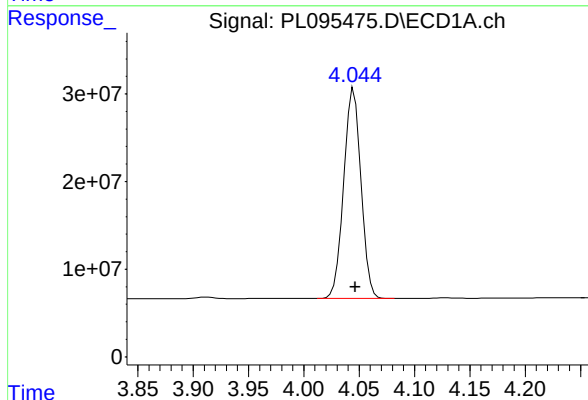
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



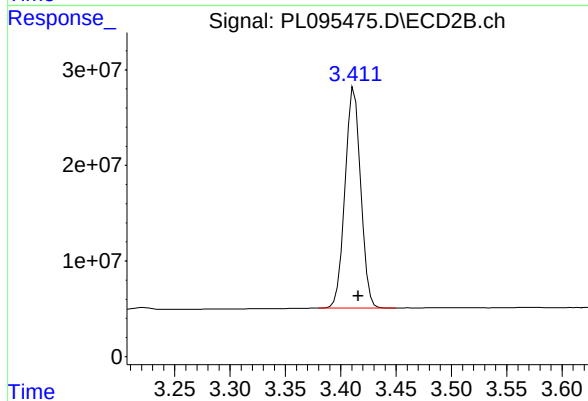
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.002 min
Response: 156162686
Conc: 49.11 ng/ml



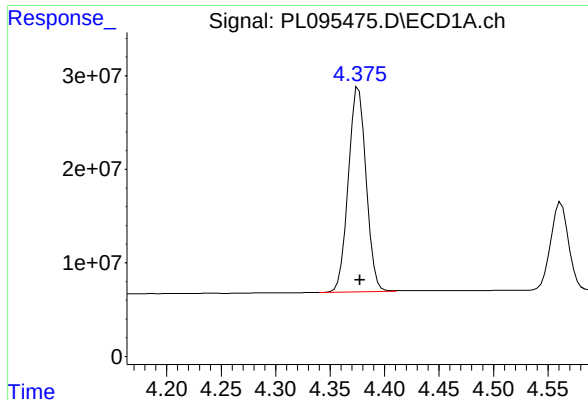
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 260944383
Conc: 52.68 ng/ml



#2 alpha-BHC

R.T.: 3.412 min
Delta R.T.: -0.004 min
Response: 227626343
Conc: 51.17 ng/ml



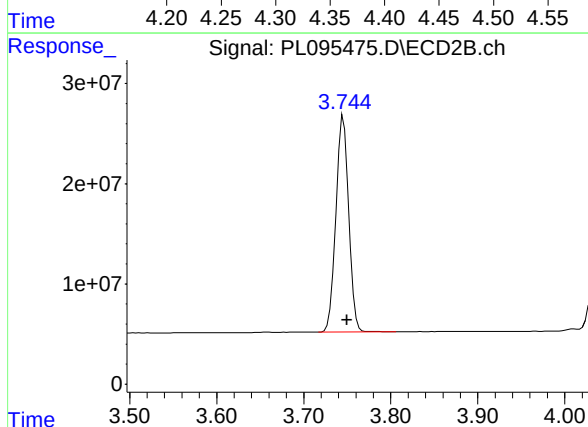
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 249088578
Conc: 52.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

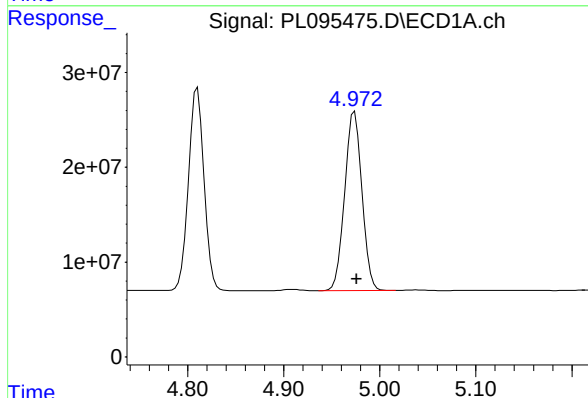
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



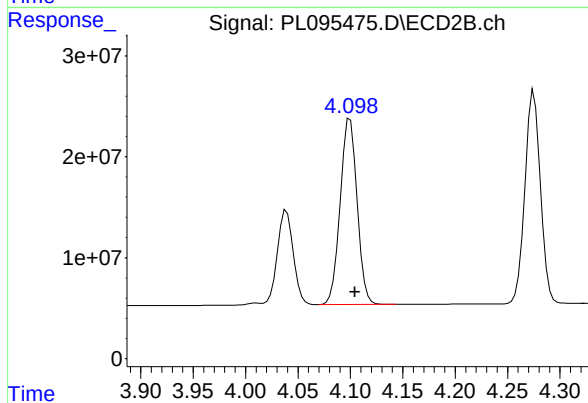
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 220426832
Conc: 50.12 ng/ml



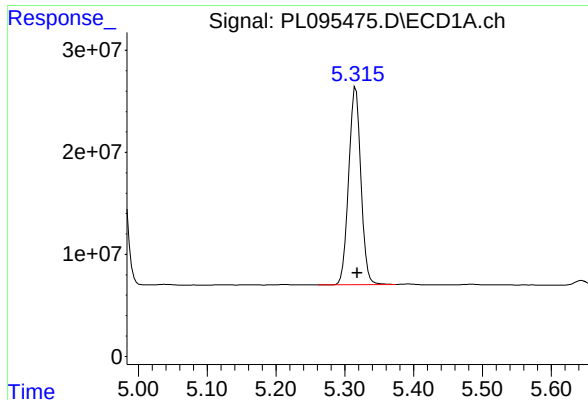
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 234434739
Conc: 51.25 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.005 min
Response: 207089769
Conc: 47.53 ng/ml



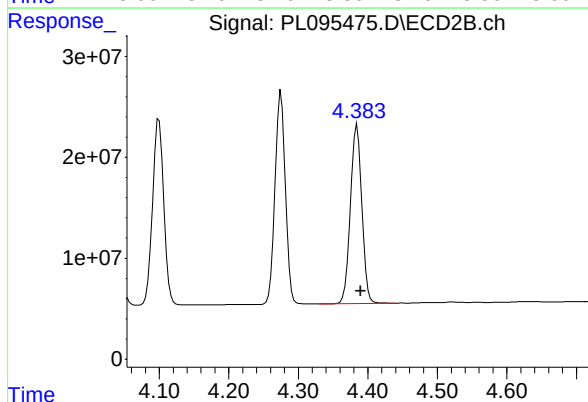
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 238910048
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

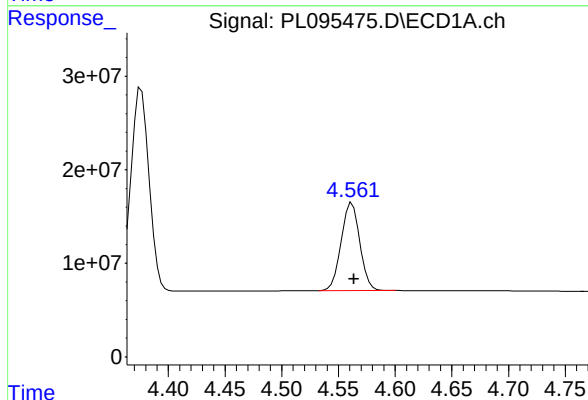
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



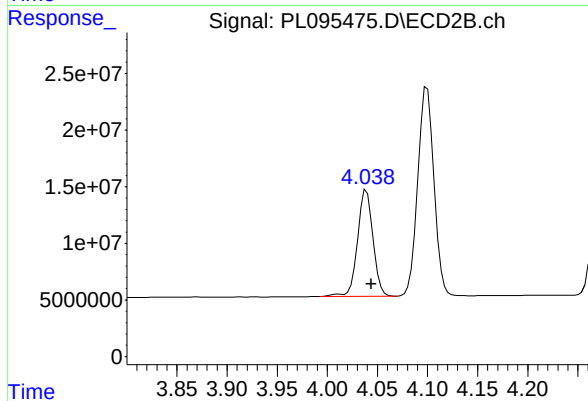
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 202226535
Conc: 49.14 ng/ml



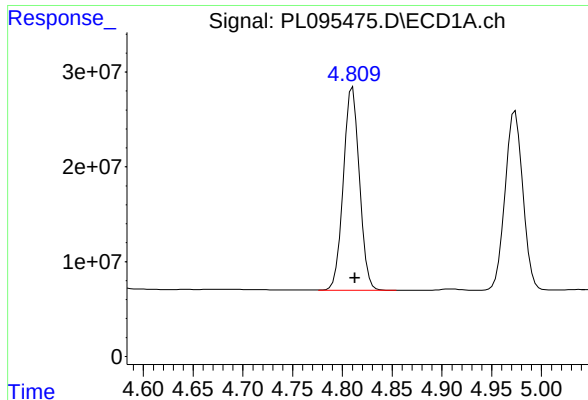
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 107169482
Conc: 51.83 ng/ml



#6 beta-BHC

R.T.: 4.039 min
Delta R.T.: -0.005 min
Response: 101001080
Conc: 48.65 ng/ml



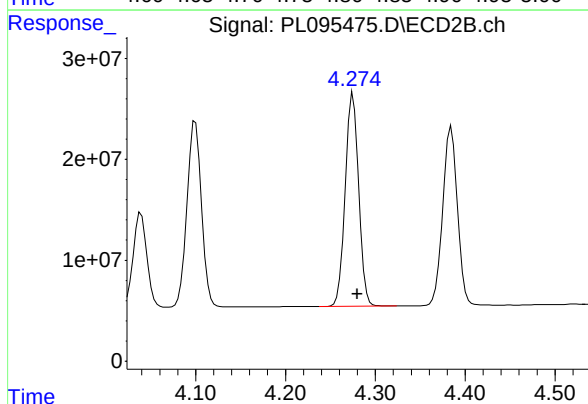
#7 delta-BHC

R.T.: 4.809 min
Delta R.T.: -0.004 min
Response: 241691960
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

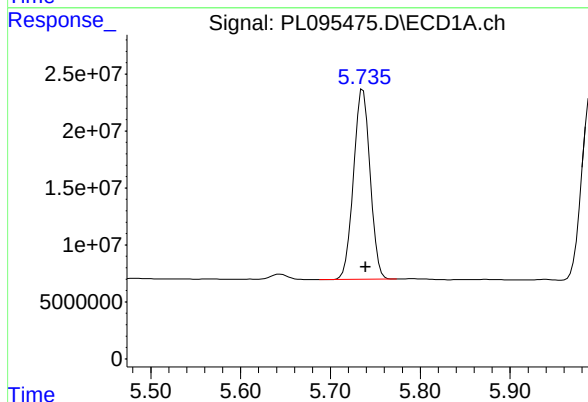
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



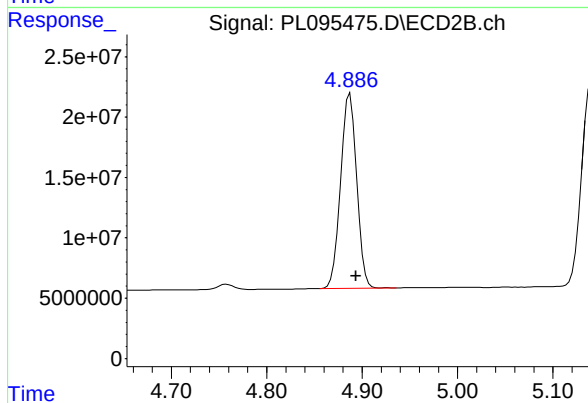
#7 delta-BHC

R.T.: 4.275 min
Delta R.T.: -0.005 min
Response: 218811923
Conc: 49.93 ng/ml



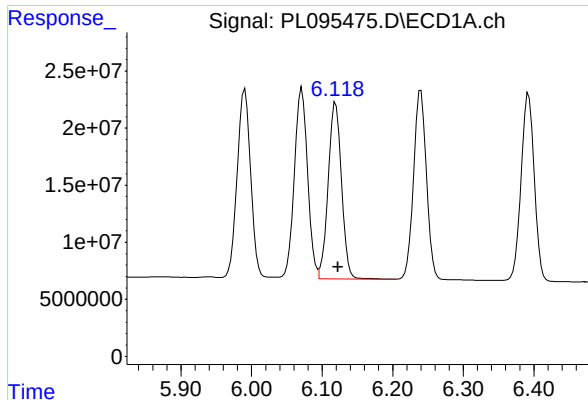
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 213687424
Conc: 53.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.887 min
Delta R.T.: -0.006 min
Response: 188955093
Conc: 48.92 ng/ml



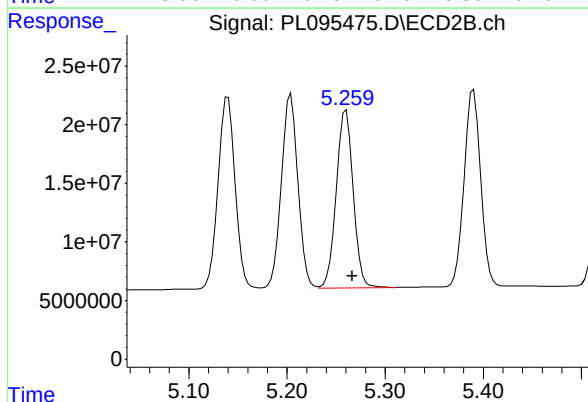
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.003 min
Response: 204005762
Conc: 53.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

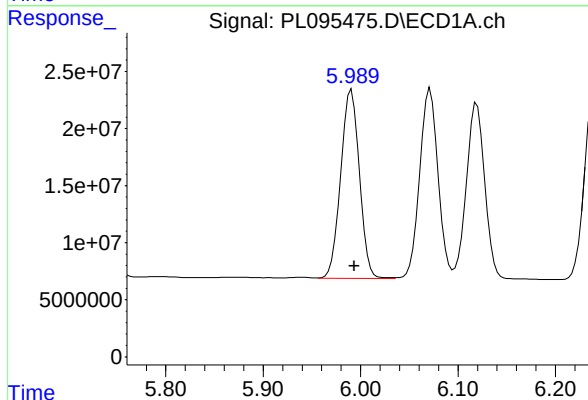
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



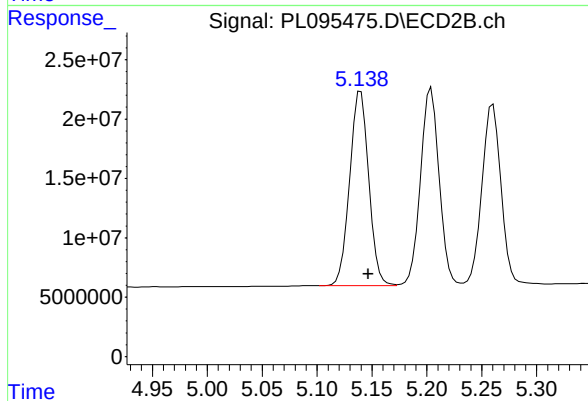
#9 Endosulfan I

R.T.: 5.260 min
Delta R.T.: -0.006 min
Response: 182450940
Conc: 49.84 ng/ml



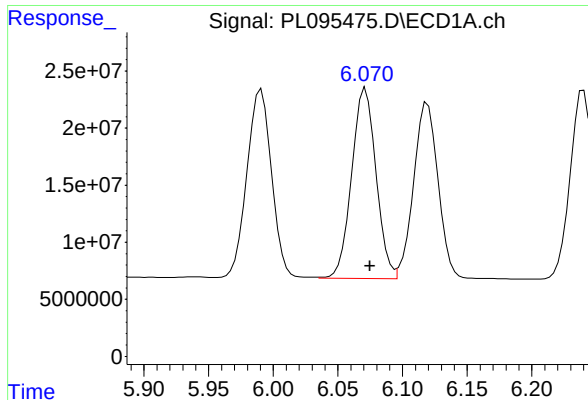
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 220450175
Conc: 54.04 ng/ml



#10 gamma-Chlordane

R.T.: 5.138 min
Delta R.T.: -0.008 min
Response: 198189259
Conc: 48.90 ng/ml m



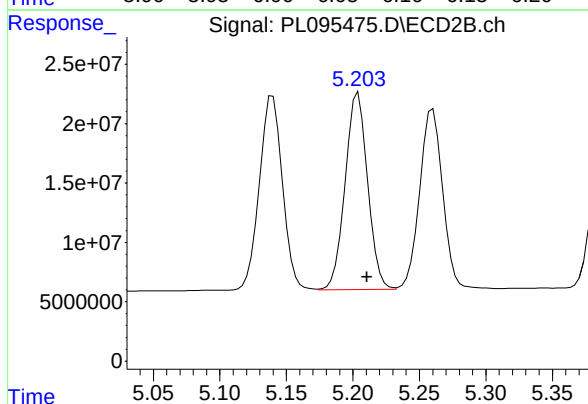
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 218314724
Conc: 53.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

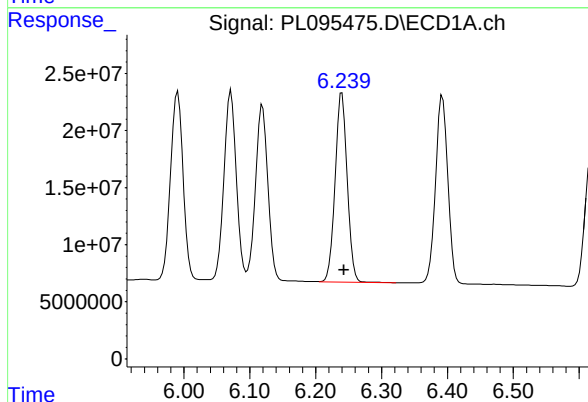
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



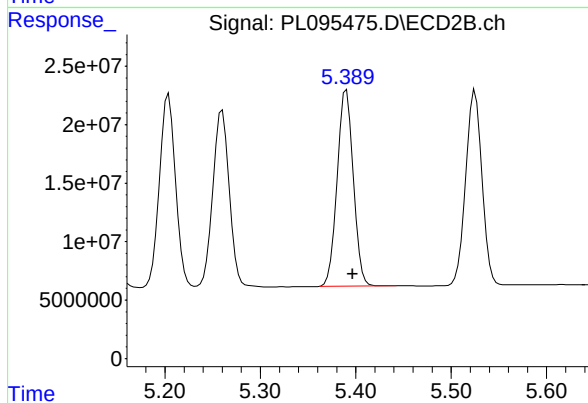
#11 alpha-Chlordane

R.T.: 5.204 min
Delta R.T.: -0.007 min
Response: 195113115
Conc: 49.01 ng/ml



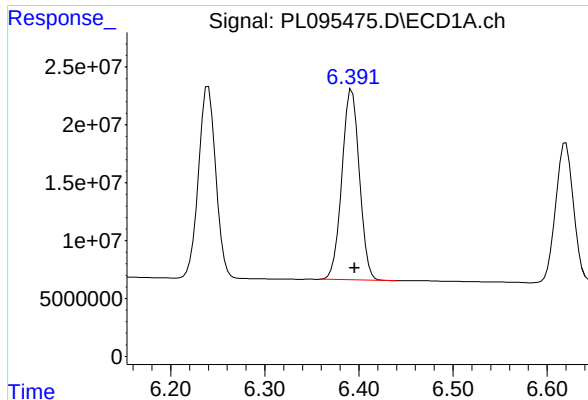
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 211906002
Conc: 54.05 ng/ml



#12 4,4'-DDE

R.T.: 5.390 min
Delta R.T.: -0.007 min
Response: 196864195
Conc: 48.41 ng/ml



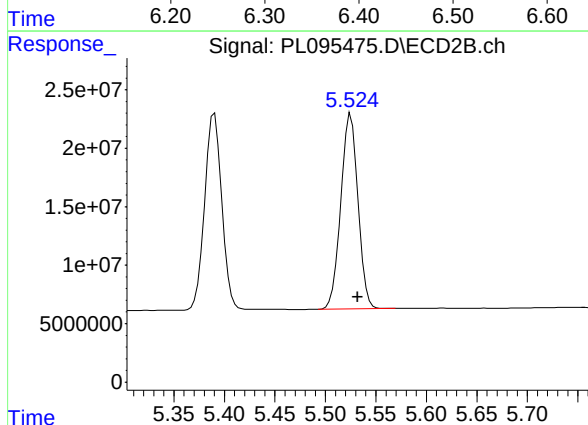
#13 Dieldrin

R.T.: 6.393 min
Delta R.T.: -0.003 min
Response: 212125311
Conc: 55.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

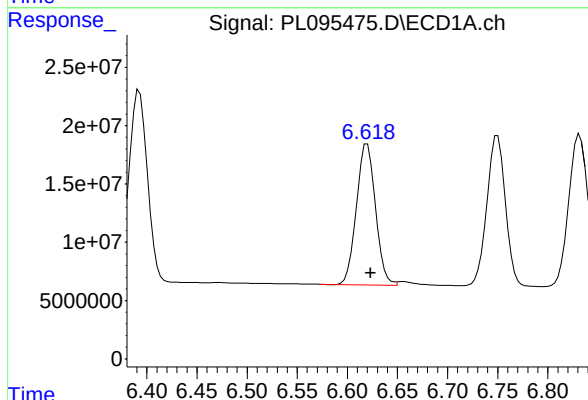
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



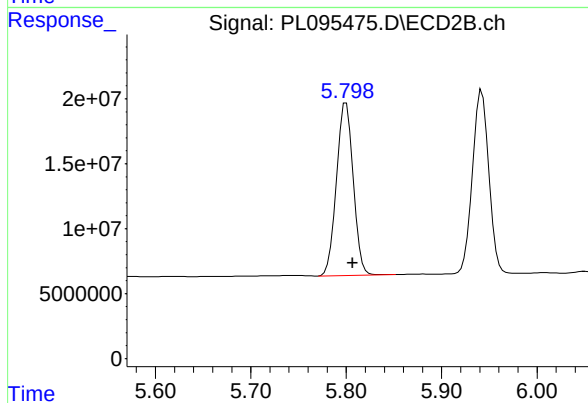
#13 Dieldrin

R.T.: 5.525 min
Delta R.T.: -0.007 min
Response: 197537236
Conc: 48.57 ng/ml



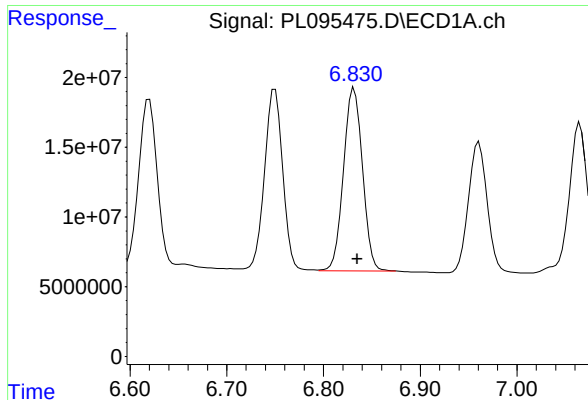
#14 Endrin

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 160422335
Conc: 50.37 ng/ml



#14 Endrin

R.T.: 5.800 min
Delta R.T.: -0.007 min
Response: 161811532
Conc: 44.44 ng/ml



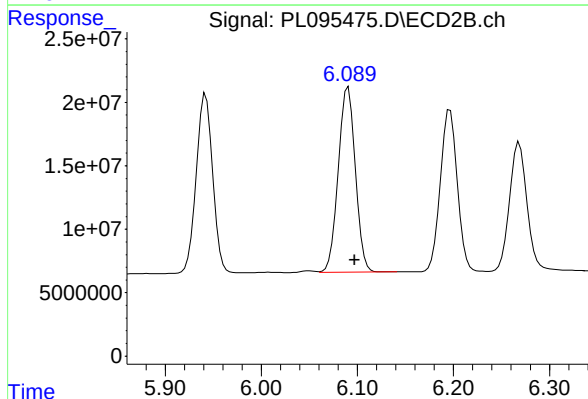
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 178503541
Conc: 55.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

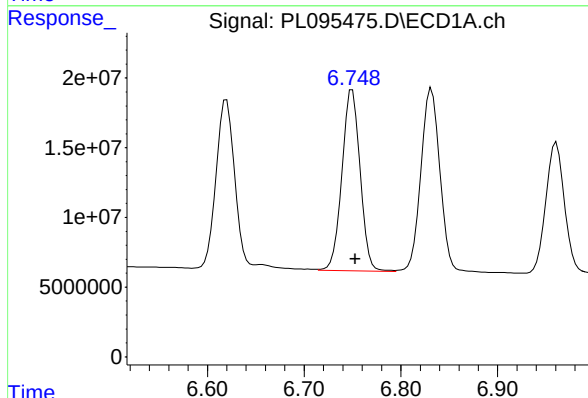
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



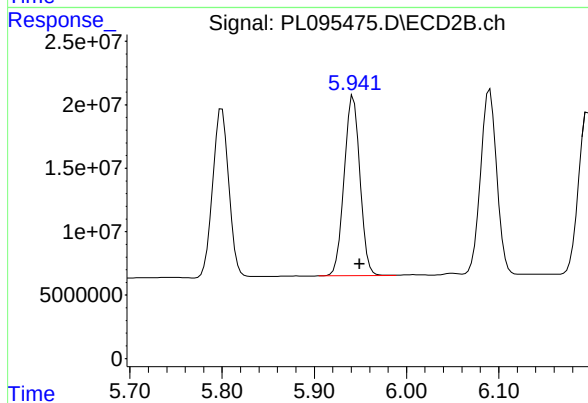
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: -0.007 min
Response: 178220942
Conc: 49.63 ng/ml



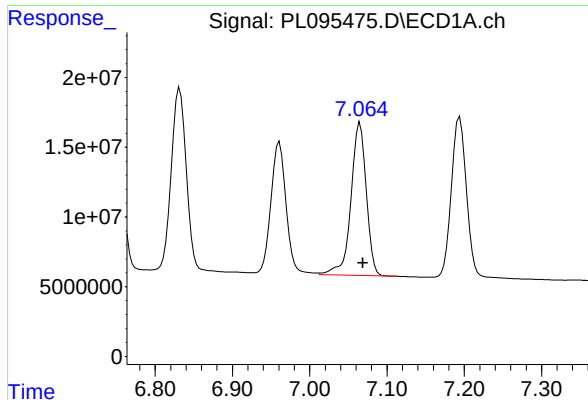
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 168790414
Conc: 59.62 ng/ml



#16 4,4'-DDD

R.T.: 5.942 min
Delta R.T.: -0.007 min
Response: 168285836
Conc: 51.51 ng/ml



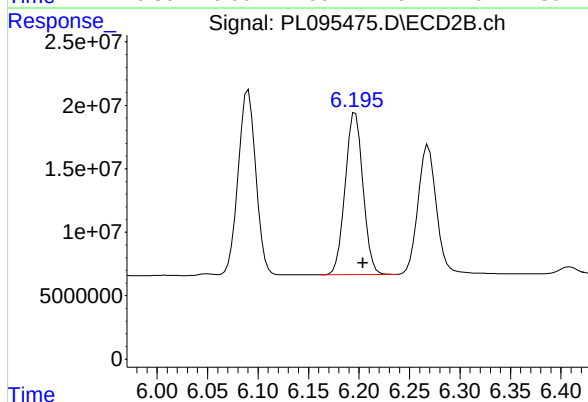
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 149732587
Conc: 52.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

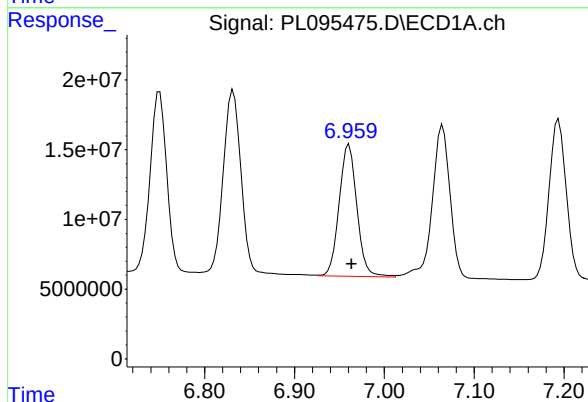
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



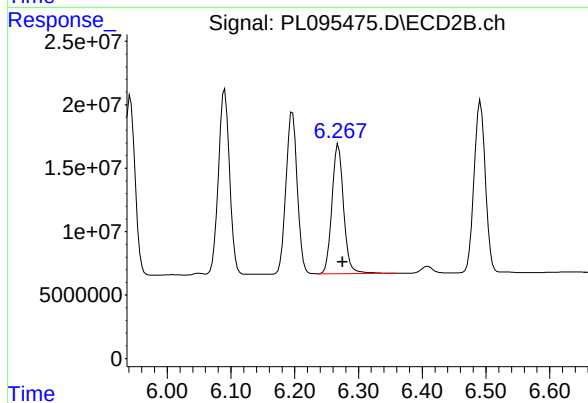
#17 4,4'-DDT

R.T.: 6.196 min
Delta R.T.: -0.007 min
Response: 157074710
Conc: 45.71 ng/ml



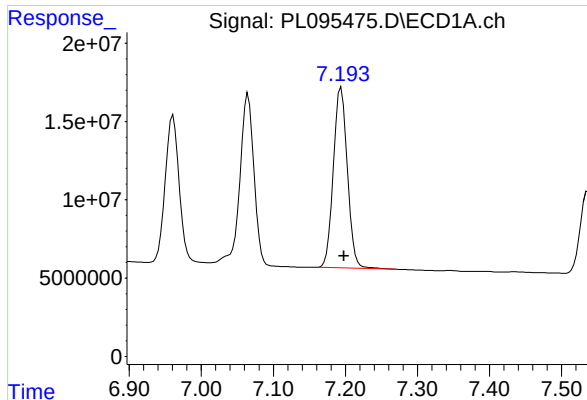
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.003 min
Response: 129809526
Conc: 55.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 130430292
Conc: 49.91 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 154426776
Conc: 55.12 ng/ml

Instrument :

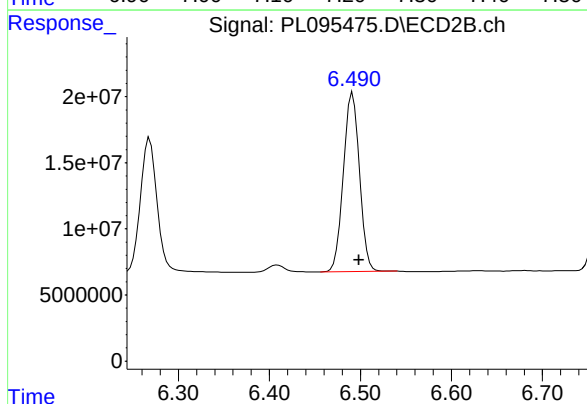
ECD_L

ClientSampleId :

PSTDCCC050

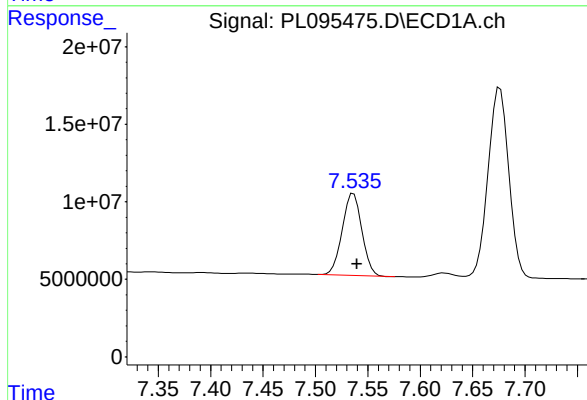
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



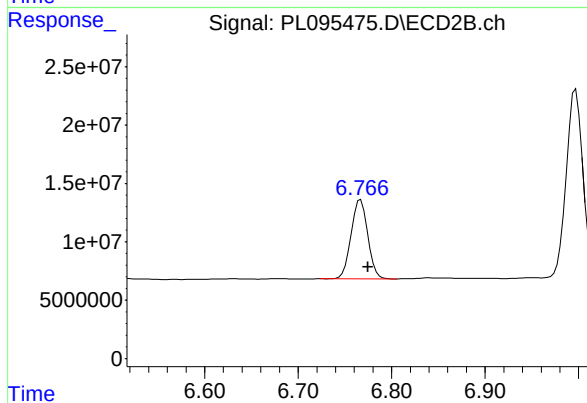
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.007 min
Response: 166926592
Conc: 50.31 ng/ml



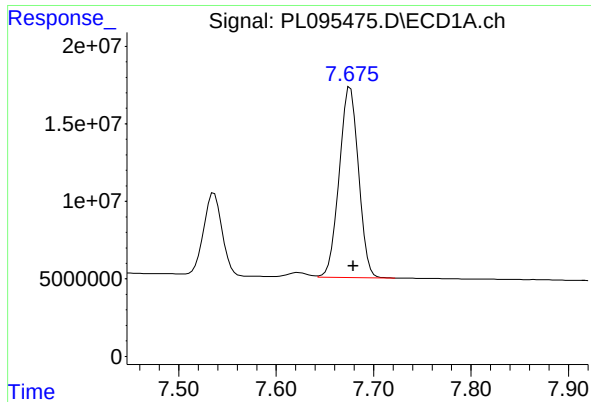
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.003 min
Response: 68941613
Conc: 49.42 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.008 min
Response: 84372136
Conc: 44.23 ng/ml



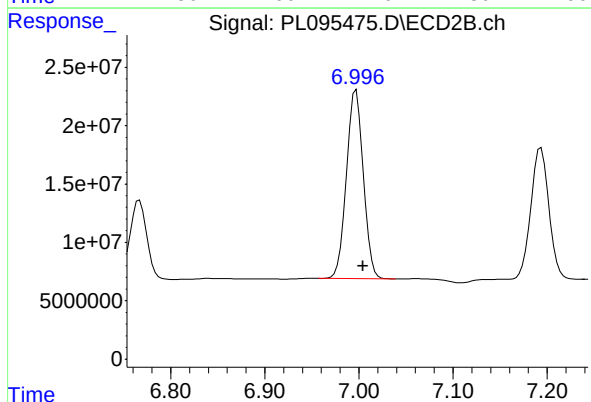
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 168737424
Conc: 59.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

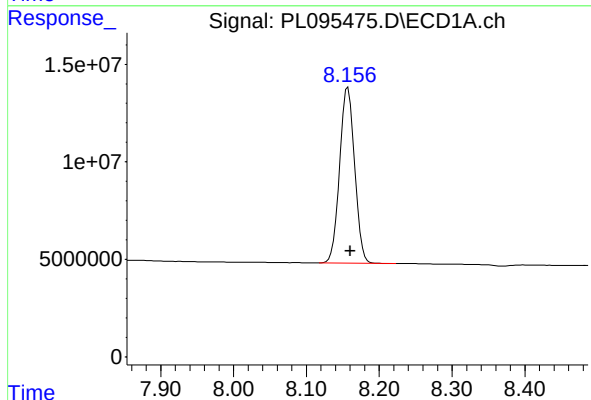
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



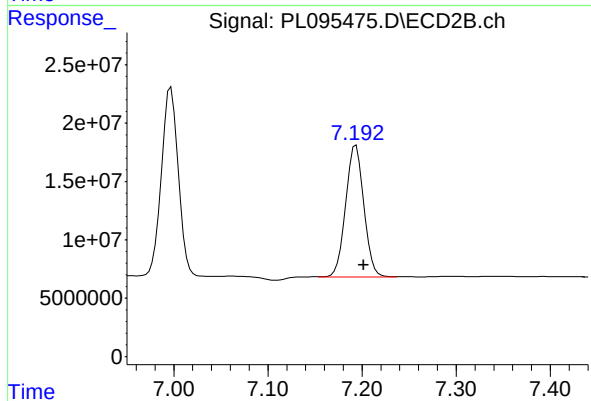
#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: -0.007 min
Response: 201102710
Conc: 57.11 ng/ml



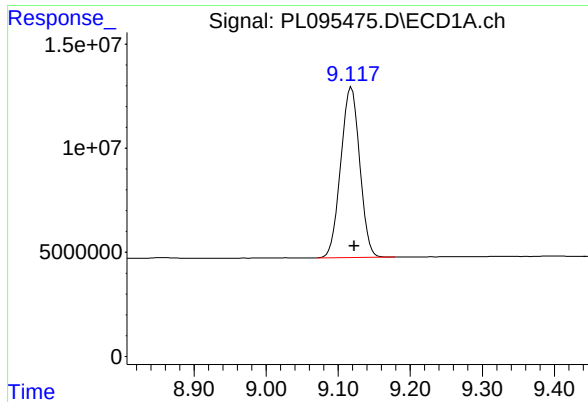
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 129009126
Conc: 54.30 ng/ml



#22 Mirex

R.T.: 7.192 min
Delta R.T.: -0.009 min
Response: 151573550
Conc: 52.59 ng/ml m



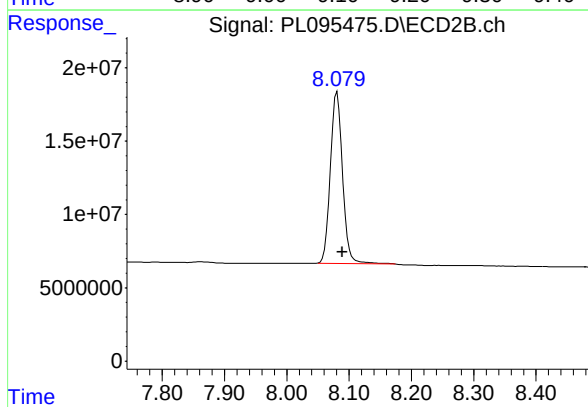
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 149276487
Conc: 53.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.009 min
Response: 158493088
Conc: 53.56 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 17:42 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.00
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.40	6.40	6.30	6.50	0.00
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.08	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00

CALIBRATION VERIFICATION SUMMARY

 Contract: NOBI03

 Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

 Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

 Continuing Calib Time: 17:42 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.01
beta-BHC	4.04	4.04	3.94	4.14	0.00
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.10	4.00	4.20	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.26	5.27	5.17	5.37	0.01
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Endosulfan II	6.09	6.10	6.00	6.20	0.01
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.14	5.15	5.05	5.25	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095484.D Time Analyzed: 17:42

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	6.753	6.653	6.853	53.600	50.000	7.2
4,4'-DDE	6.243	6.143	6.343	46.370	50.000	-7.3
4,4'-DDT	7.068	6.969	7.169	43.530	50.000	-12.9
Aldrin	5.318	5.218	5.418	44.960	50.000	-10.1
alpha-BHC	4.047	3.946	4.146	45.330	50.000	-9.3
alpha-Chlordane	6.075	5.975	6.175	46.490	50.000	-7.0
beta-BHC	4.564	4.464	4.664	44.320	50.000	-11.4
Decachlorobiphenyl	9.122	9.022	9.222	46.790	50.000	-6.4
delta-BHC	4.812	4.712	4.912	44.990	50.000	-10.0
Dieldrin	6.396	6.296	6.496	47.690	50.000	-4.6
Endosulfan I	6.122	6.023	6.223	46.360	50.000	-7.3
Endosulfan II	6.834	6.735	6.935	50.810	50.000	1.6
Endosulfan sulfate	7.197	7.098	7.298	47.860	50.000	-4.3
Endrin	6.623	6.523	6.723	42.790	50.000	-14.4
Endrin aldehyde	6.964	6.864	7.064	48.720	50.000	-2.6
Endrin ketone	7.679	7.579	7.779	51.490	50.000	3.0
gamma-BHC (Lindane)	4.377	4.277	4.477	44.670	50.000	-10.7
gamma-Chlordane	5.993	5.894	6.094	46.720	50.000	-6.6
Heptachlor	4.976	4.876	5.076	43.710	50.000	-12.6
Heptachlor epoxide	5.739	5.639	5.839	46.300	50.000	-7.4
Methoxychlor	7.539	7.440	7.640	40.950	50.000	-18.1
Tetrachloro-m-xylene	3.596	3.495	3.695	44.610	50.000	-10.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095484.D Time Analyzed: 17:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.946	5.849	6.049	52.250	50.000	4.5
4,4'-DDE	5.392	5.297	5.497	47.760	50.000	-4.5
4,4'-DDT	6.200	6.104	6.304	42.790	50.000	-14.4
Aldrin	4.386	4.290	4.490	51.290	50.000	2.6
alpha-BHC	3.415	3.316	3.516	54.300	50.000	8.6
alpha-Chlordane	5.208	5.111	5.311	47.920	50.000	-4.2
beta-BHC	4.042	3.944	4.144	48.110	50.000	-3.8
Decachlorobiphenyl	8.084	7.989	8.189	45.080	50.000	-9.8
delta-BHC	4.279	4.180	4.380	51.450	50.000	2.9
Dieldrin	5.529	5.432	5.632	48.760	50.000	-2.5
Endosulfan I	5.264	5.167	5.367	49.000	50.000	-2.0
Endosulfan II	6.094	5.997	6.197	47.990	50.000	-4.0
Endosulfan sulfate	6.495	6.398	6.598	47.810	50.000	-4.4
Endrin	5.803	5.707	5.907	43.210	50.000	-13.6
Endrin aldehyde	6.271	6.175	6.375	47.680	50.000	-4.6
Endrin ketone	7.001	6.904	7.104	54.380	50.000	8.8
gamma-BHC (Lindane)	3.749	3.650	3.850	51.710	50.000	3.4
gamma-Chlordane	5.142	5.047	5.247	48.190	50.000	-3.6
Heptachlor	4.103	4.004	4.204	48.570	50.000	-2.9
Heptachlor epoxide	4.890	4.793	4.993	49.260	50.000	-1.5
Methoxychlor	6.770	6.675	6.875	40.790	50.000	-18.4
Tetrachloro-m-xylene	2.906	2.806	3.006	50.780	50.000	1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 17:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:57:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.596	2.906	145.6E6	161.5E6	44.612	50.785
28) SA Decachlor...	9.122	8.084	129.6E6	133.4E6	46.791	45.079
Target Compounds						
2) A alpha-BHC	4.047	3.415	224.5E6	241.6E6	45.329	54.303
3) MA gamma-BHC...	4.377	3.749	211.5E6	227.4E6	44.670m	51.709
4) MA Heptachlor	4.976	4.103	200.0E6	211.6E6	43.714	48.574
5) MB Aldrin	5.318	4.386	206.5E6	211.1E6	44.962	51.287m
6) B beta-BHC	4.564	4.042	91627858	99878417	44.318	48.114
7) B delta-BHC	4.812	4.279	209.2E6	225.5E6	44.993m	51.450
8) B Heptachlo...	5.739	4.890	185.4E6	190.3E6	46.298	49.257
9) A Endosulfan I	6.122	5.264	176.0E6	179.3E6	46.359	48.995
10) B gamma-Chl...	5.993	5.142	190.6E6	195.3E6	46.720	48.188m
11) B alpha-Chl...	6.075	5.208	189.0E6	190.8E6	46.486	47.919
12) B 4,4'-DDE	6.243	5.392	181.8E6	194.2E6	46.367	47.758m
13) MA Dieldrin	6.396	5.529	183.9E6	198.3E6	47.695	48.763
14) MA Endrin	6.623	5.803	136.3E6	157.3E6	42.788	43.206
15) B Endosulfa...	6.834	6.094	162.2E6	172.3E6	50.814	47.988
16) A 4,4'-DDD	6.753	5.946	151.8E6	170.7E6	53.604	52.254
17) MA 4,4'-DDT	7.068	6.200	124.0E6	147.0E6	43.532	42.791
18) B Endrin al...	6.964	6.271	113.1E6	124.6E6	48.724	47.684
19) B Endosulfa...	7.197	6.495	134.1E6	158.6E6	47.856	47.807
20) A Methoxychlor	7.539	6.770	57135811	77808827	40.954	40.793
21) B Endrin ke...	7.679	7.001	146.8E6	191.5E6	51.486	54.380
22) Mirex	8.160	7.195	112.4E6	137.2E6	47.294	47.607m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

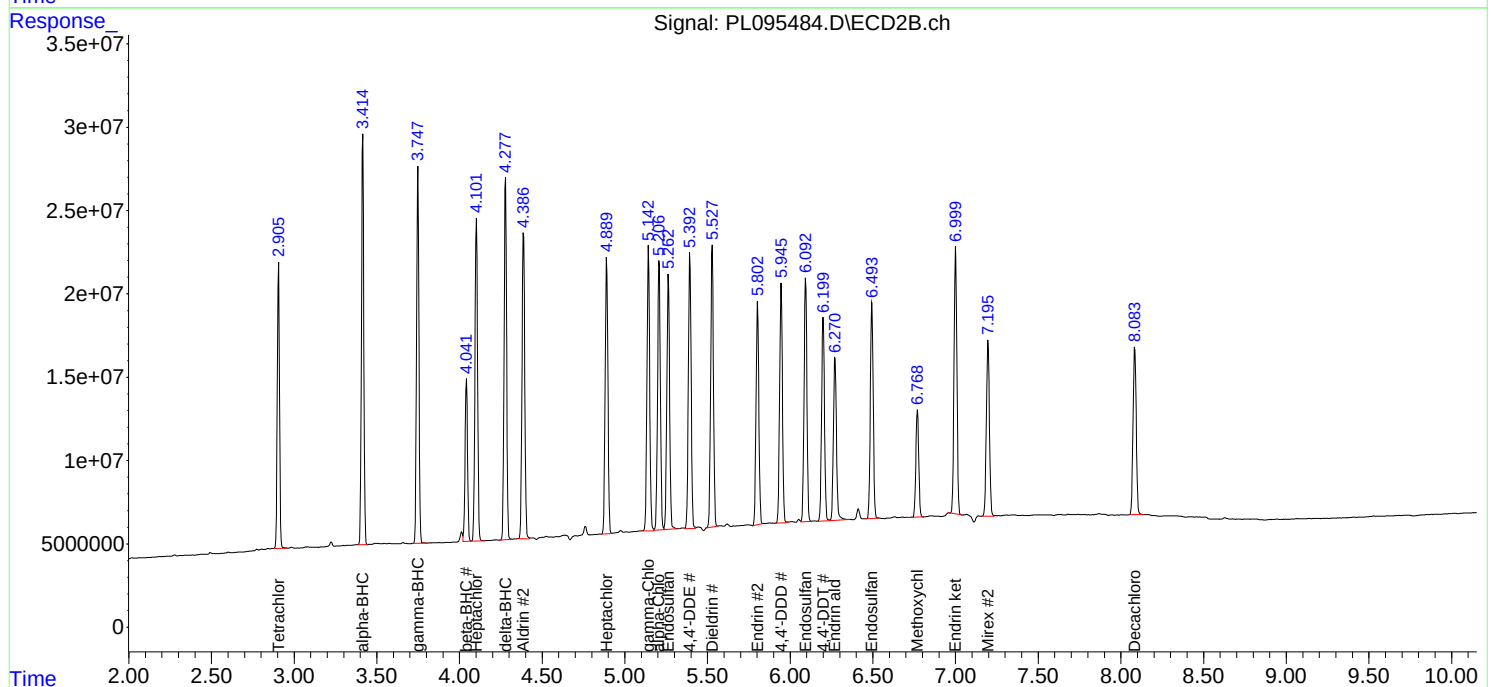
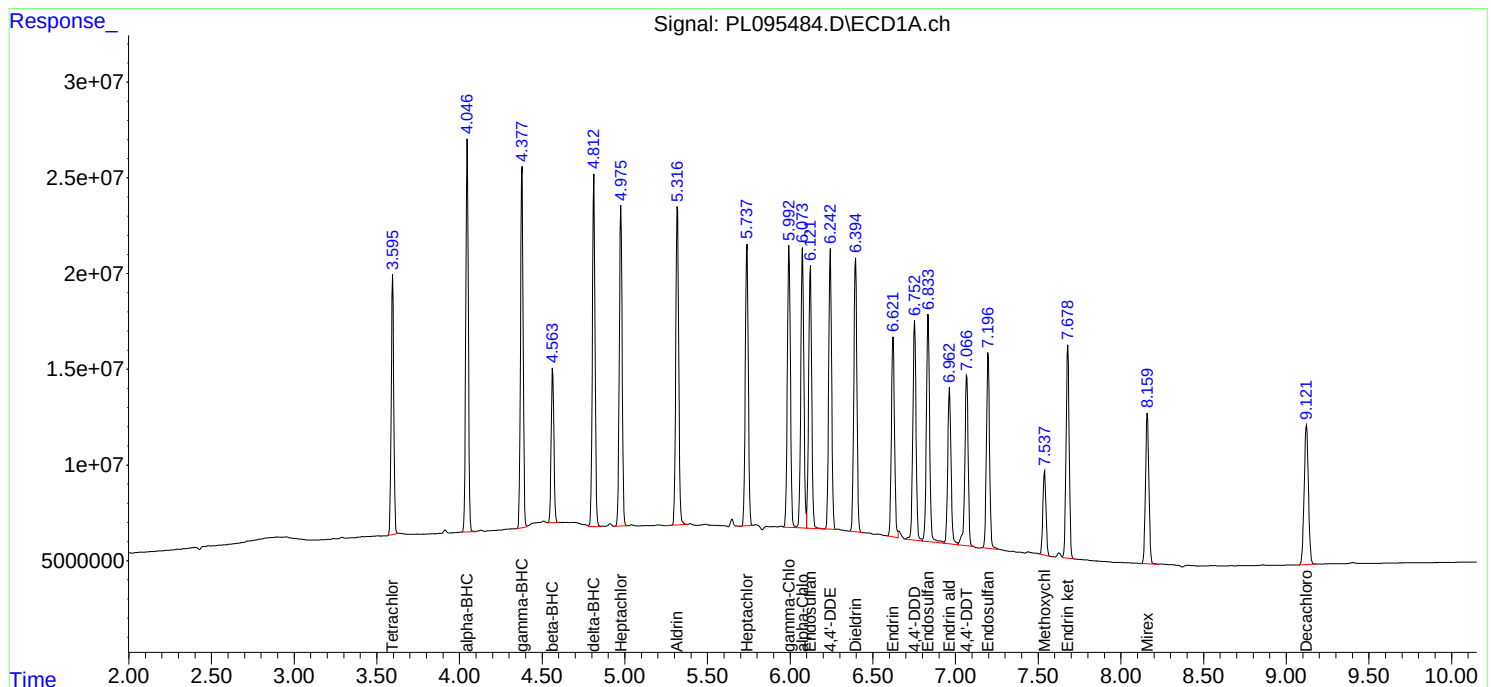
APPROVED

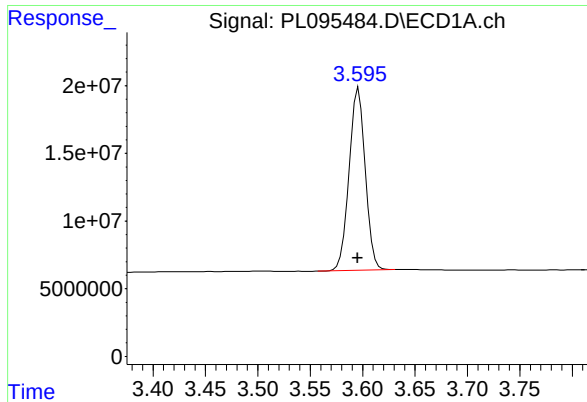
Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





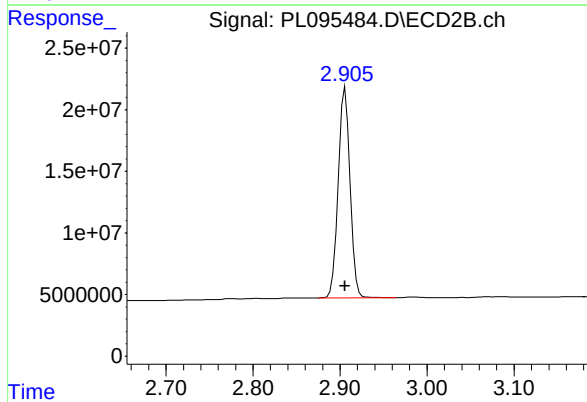
#1 Tetrachloro-m-xylene

R.T.: 3.596 min
Delta R.T.: 0.001 min
Response: 145644863
Conc: 44.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

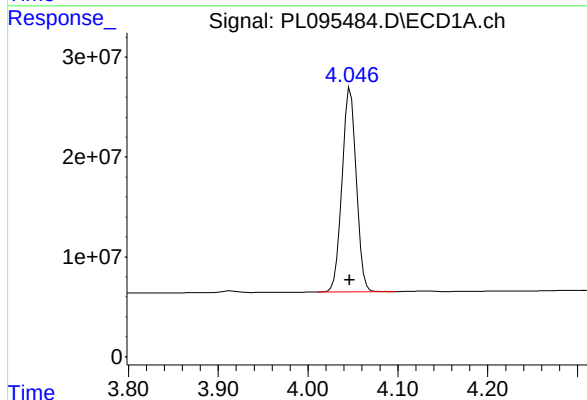
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



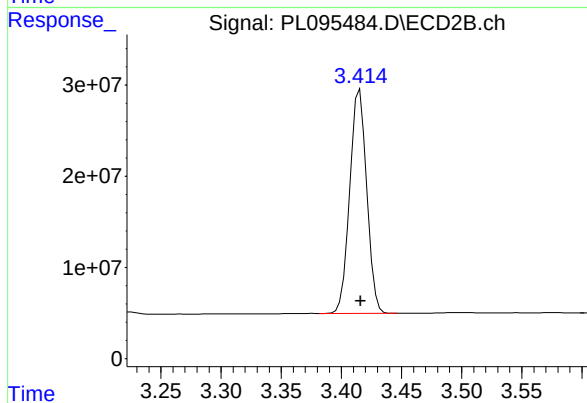
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 161482817
Conc: 50.78 ng/ml



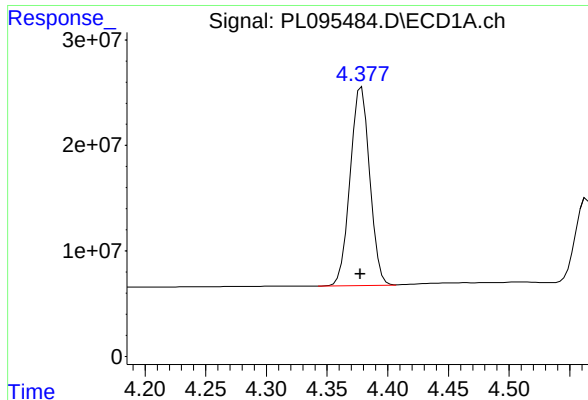
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 224546977
Conc: 45.33 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 241578017
Conc: 54.30 ng/ml



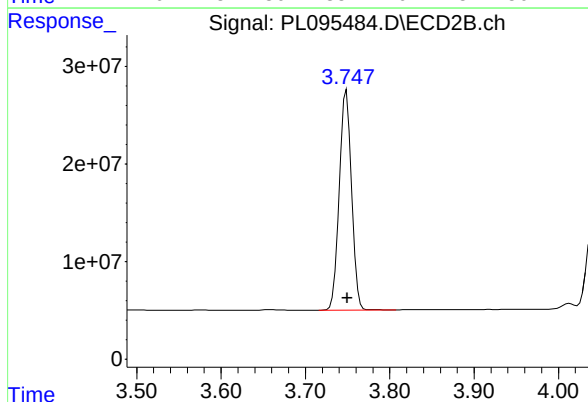
#3 gamma-BHC (Lindane)

R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 211466438
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

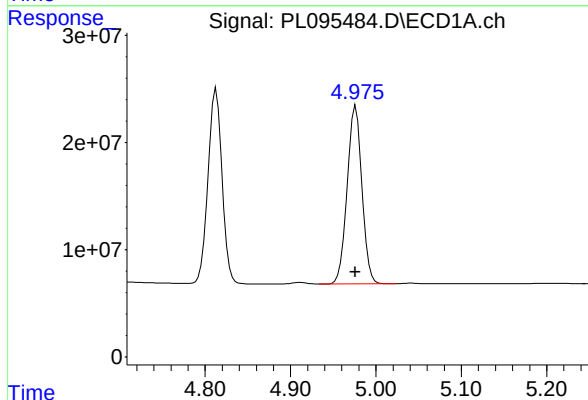
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



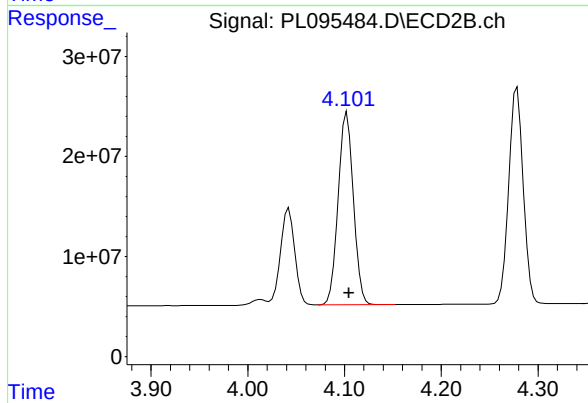
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: -0.001 min
Response: 227426289
Conc: 51.71 ng/ml



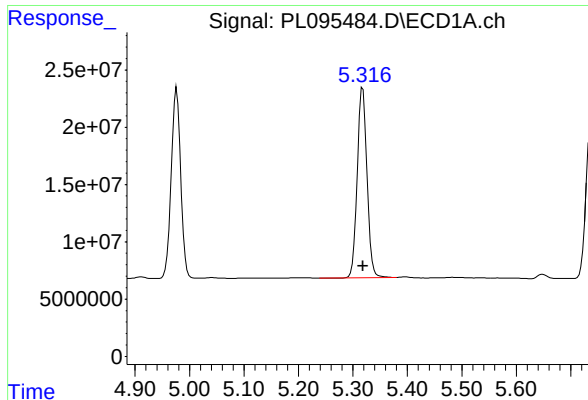
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 199966691
Conc: 43.71 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 211622648
Conc: 48.57 ng/ml



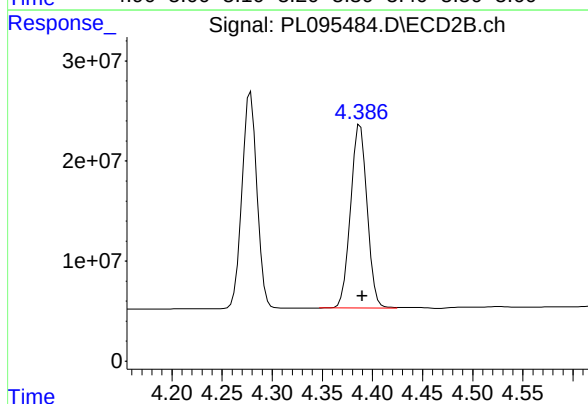
#5 Aldrin

R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 206513805
Conc: 44.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

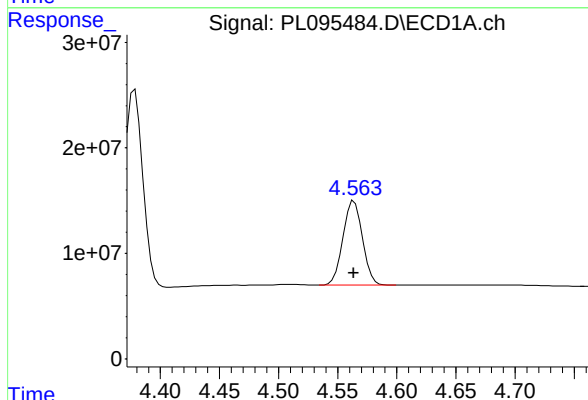
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



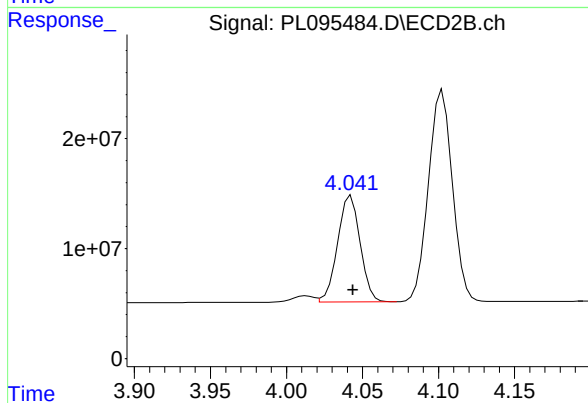
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 211079358
Conc: 51.29 ng/ml



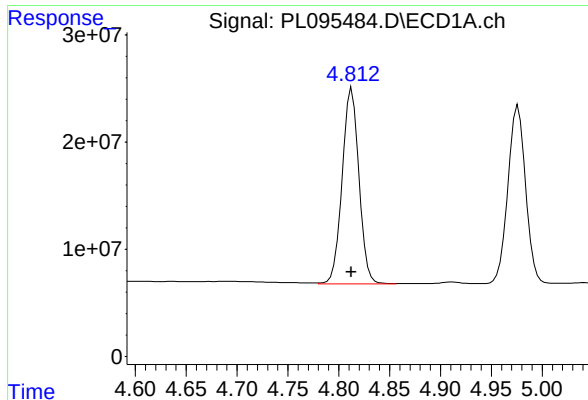
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 91627858
Conc: 44.32 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.001 min
Response: 99878417
Conc: 48.11 ng/ml



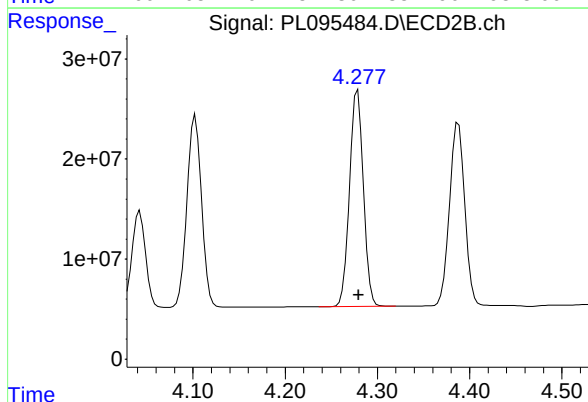
#7 delta-BHC

R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 209248979
Conc: 44.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

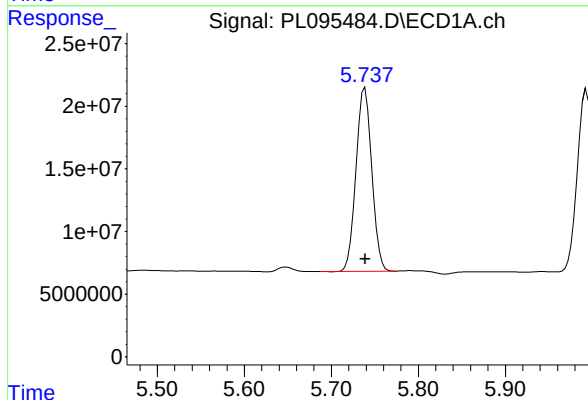
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



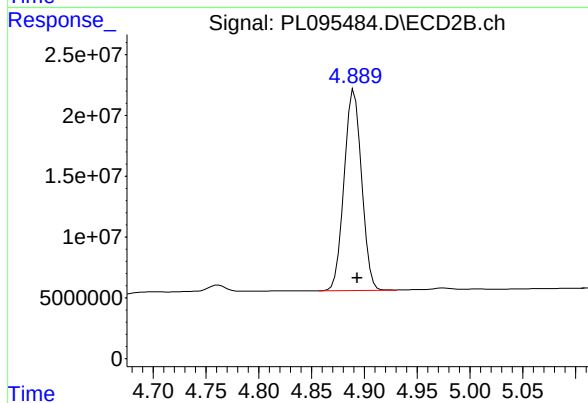
#7 delta-BHC

R.T.: 4.279 min
Delta R.T.: -0.001 min
Response: 225450326
Conc: 51.45 ng/ml



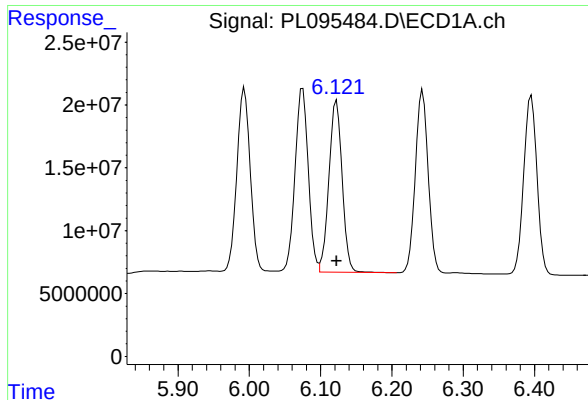
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 185430567
Conc: 46.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.890 min
Delta R.T.: -0.003 min
Response: 190261354
Conc: 49.26 ng/ml



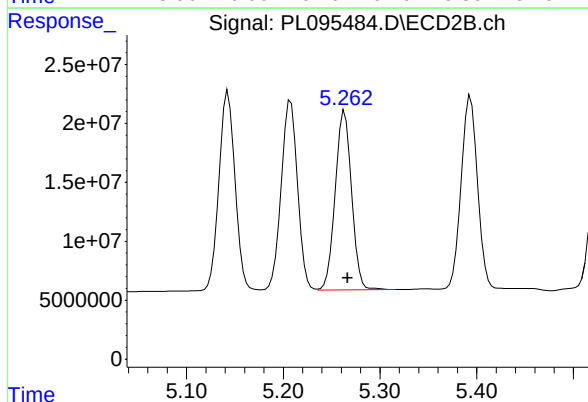
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 176049774
Conc: 46.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

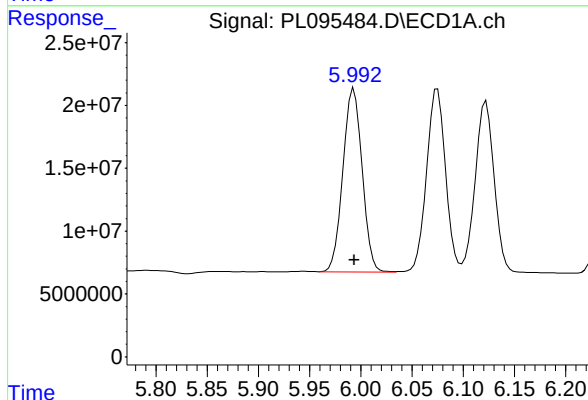
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



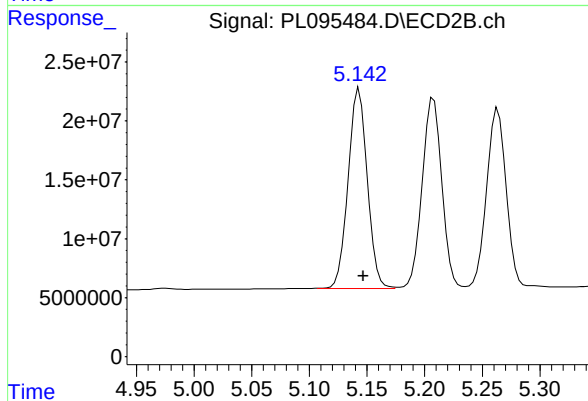
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.003 min
Response: 179342727
Conc: 49.00 ng/ml



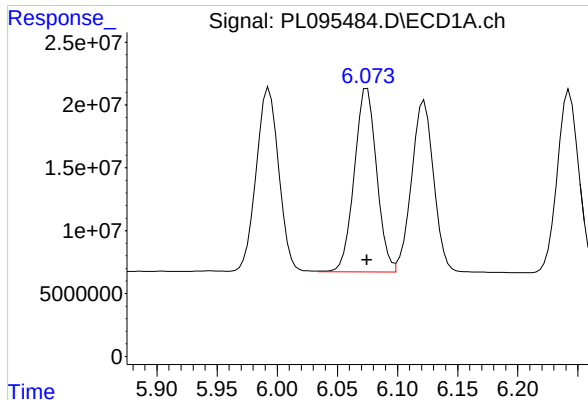
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 190589310
Conc: 46.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.142 min
Delta R.T.: -0.005 min
Response: 195289795
Conc: 48.19 ng/ml m



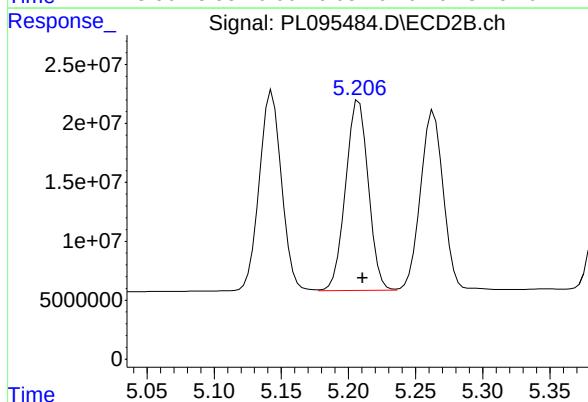
#11 alpha-Chlordane

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 189015878
Conc: 46.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

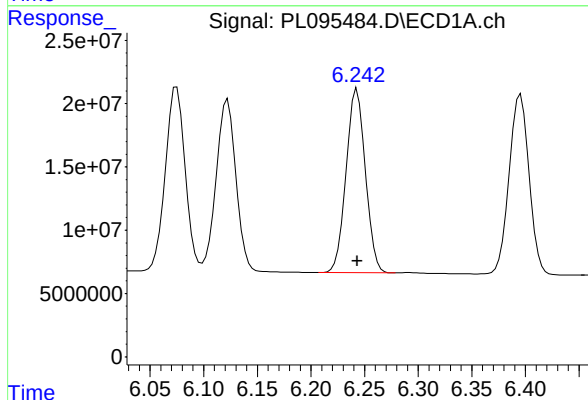
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



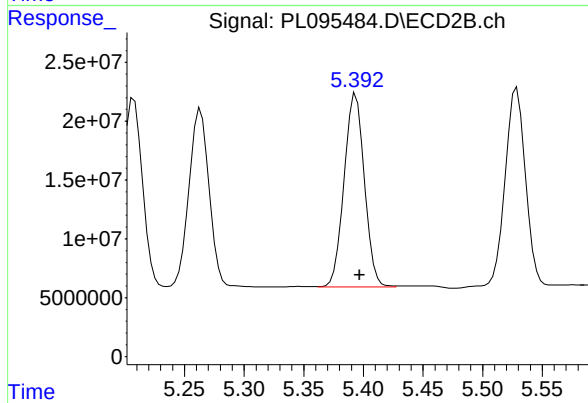
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.003 min
Response: 190767496
Conc: 47.92 ng/ml



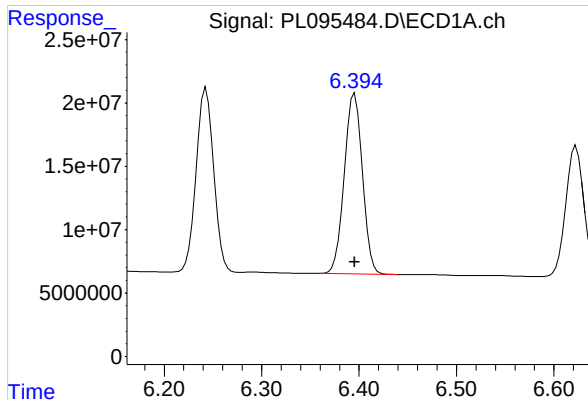
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 181784018
Conc: 46.37 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 194231131
Conc: 47.76 ng/ml m



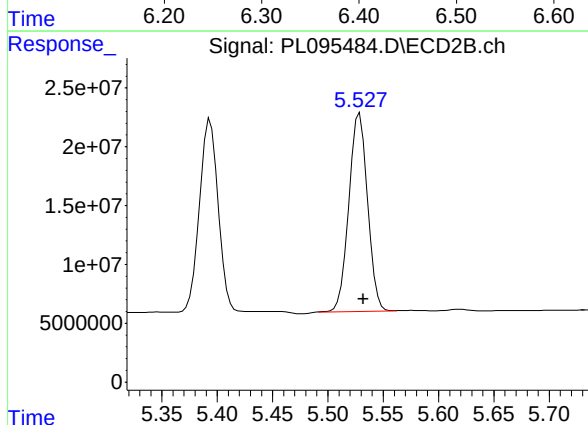
#13 Dieldrin

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 183854222
Conc: 47.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

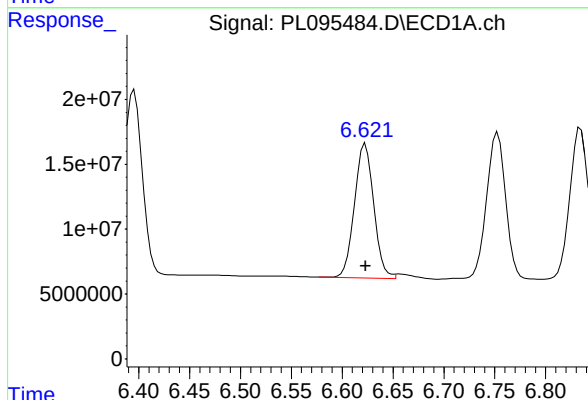
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



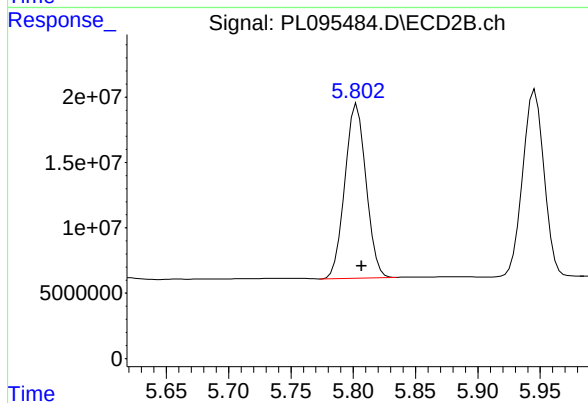
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 198322422
Conc: 48.76 ng/ml



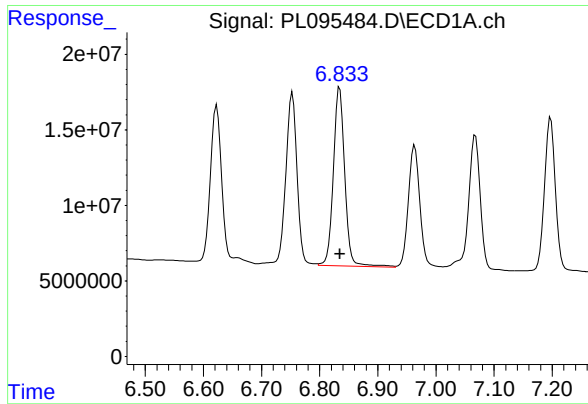
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 136270418
Conc: 42.79 ng/ml



#14 Endrin

R.T.: 5.803 min
Delta R.T.: -0.004 min
Response: 157302399
Conc: 43.21 ng/ml



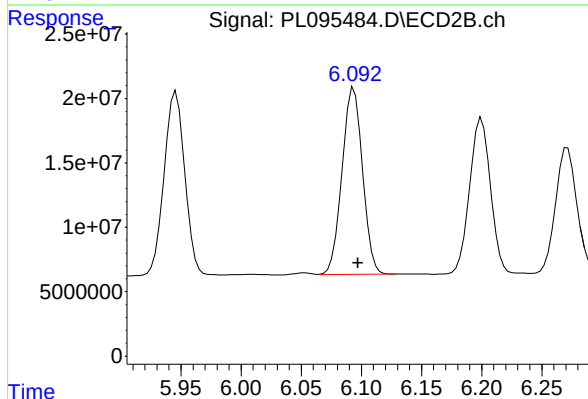
#15 Endosulfan II

R.T.: 6.834 min
Delta R.T.: 0.000 min
Response: 162205941
Conc: 50.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

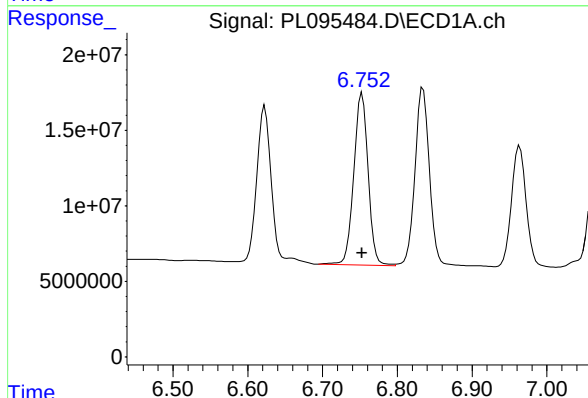
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



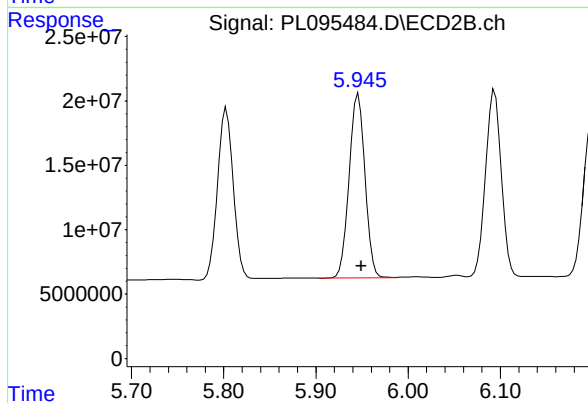
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172329700
Conc: 47.99 ng/ml



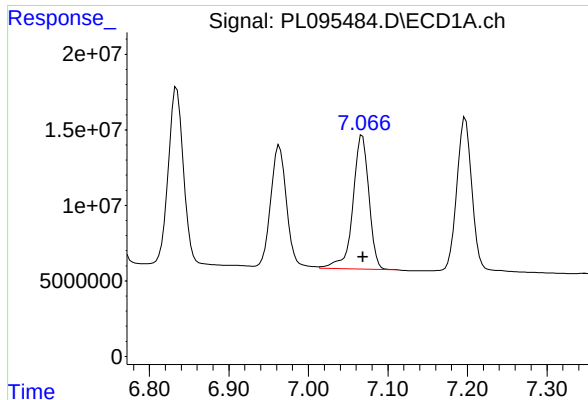
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 151750435
Conc: 53.60 ng/ml



#16 4,4'-DDD

R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 170702875
Conc: 52.25 ng/ml



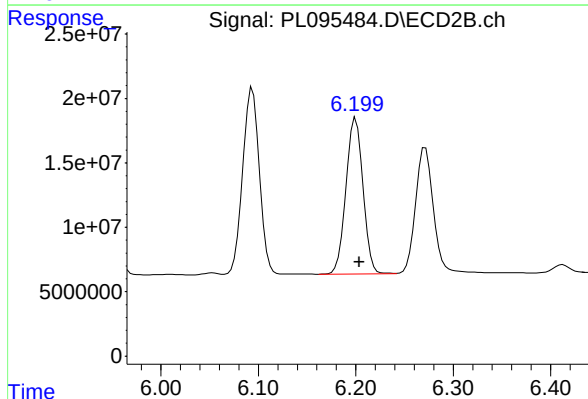
#17 4,4'-DDT

R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 124004031
Conc: 43.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

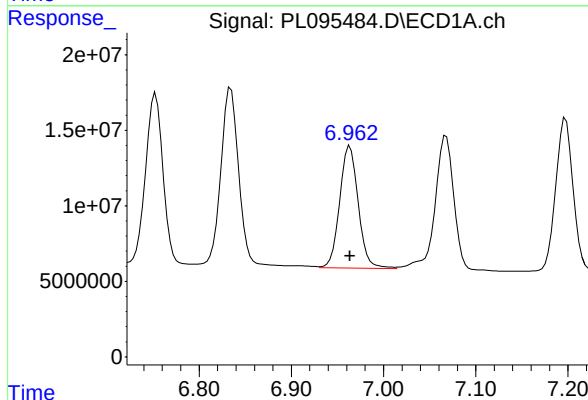
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



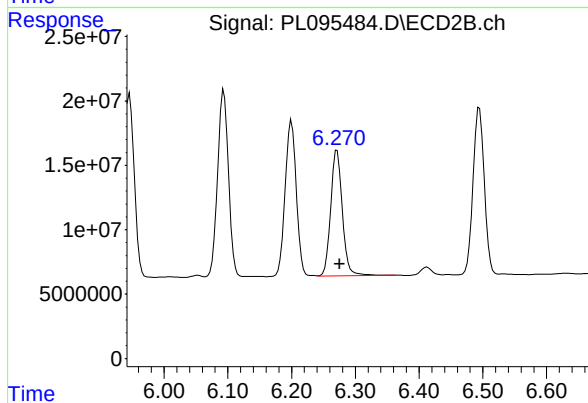
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 147037740
Conc: 42.79 ng/ml



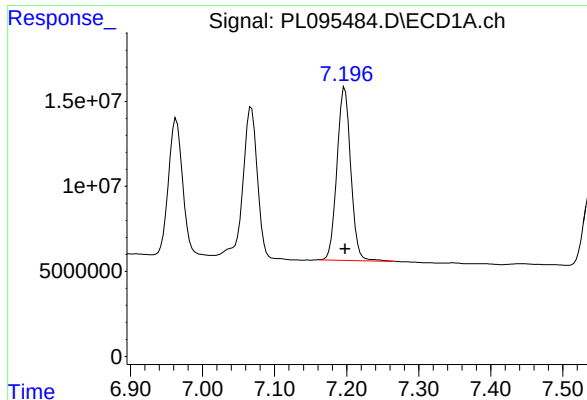
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 113078503
Conc: 48.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 124606844
Conc: 47.68 ng/ml



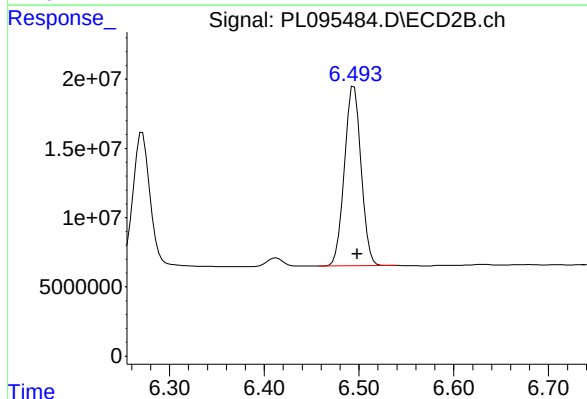
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 134083614
Conc: 47.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

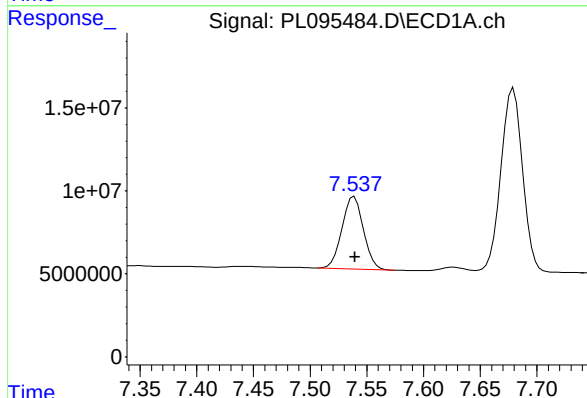
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



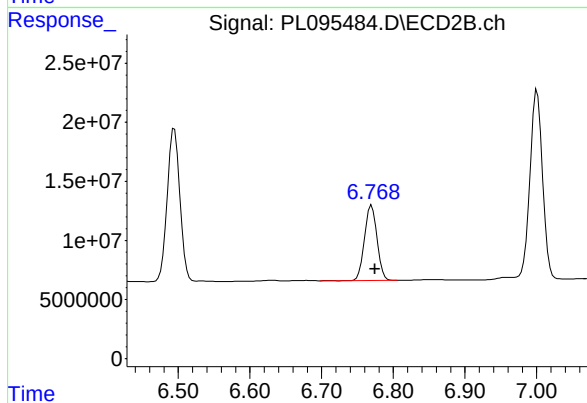
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.004 min
Response: 158621350
Conc: 47.81 ng/ml



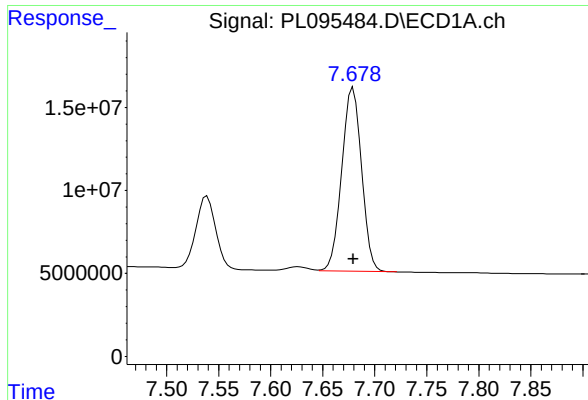
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 57135811
Conc: 40.95 ng/ml



#20 Methoxychlor

R.T.: 6.770 min
Delta R.T.: -0.005 min
Response: 77808827
Conc: 40.79 ng/ml



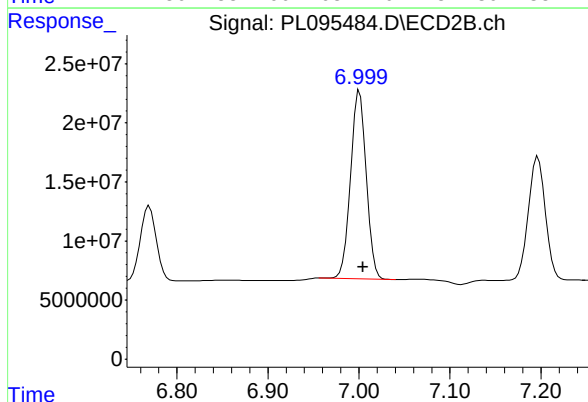
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 146780804
Conc: 51.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

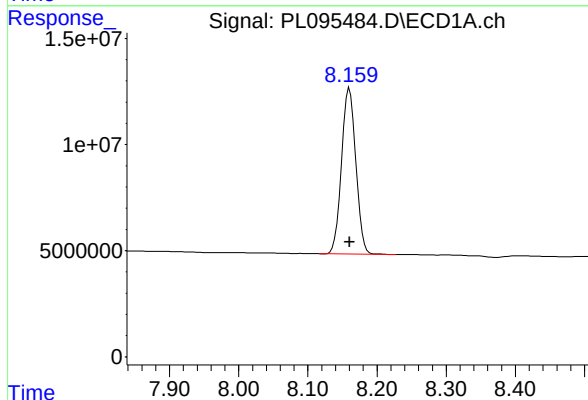
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



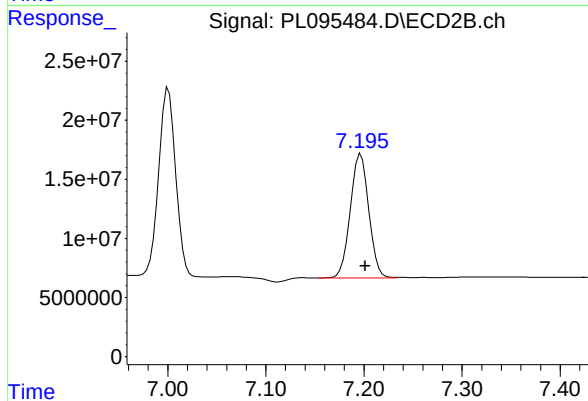
#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 191486470
Conc: 54.38 ng/ml



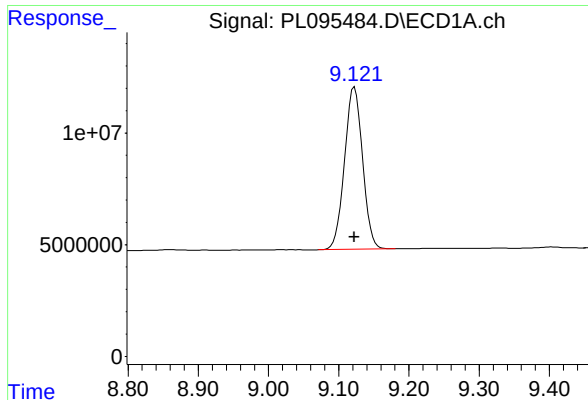
#22 Mirex

R.T.: 8.160 min
Delta R.T.: 0.000 min
Response: 112371445
Conc: 47.29 ng/ml



#22 Mirex

R.T.: 7.195 min
Delta R.T.: -0.006 min
Response: 137221916
Conc: 47.61 ng/ml m



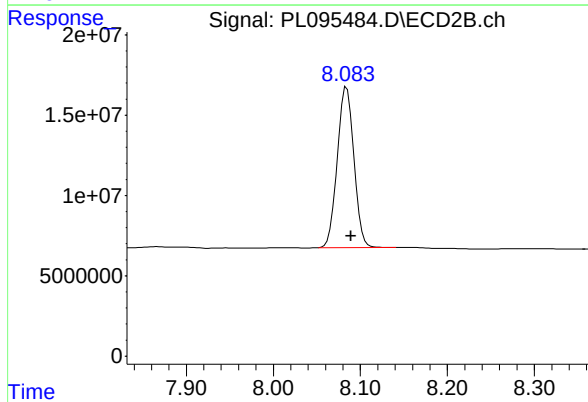
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 129649785
Conc: 46.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.005 min
Response: 133401202
Conc: 45.08 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 21:19 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/23/2025 04/23/2025

Continuing Calib Time: 21:19 Initial Calibration Time(s): 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.09	7.99	8.19	0.01
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.04	4.04	3.94	4.14	0.00
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.10	4.10	4.00	4.20	0.00
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.89	4.89	4.79	4.99	0.00
Endosulfan I	5.26	5.27	5.17	5.37	0.01
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.39	5.40	5.30	5.50	0.01
Endrin	5.80	5.81	5.71	5.91	0.01
Endosulfan II	6.09	6.10	6.00	6.20	0.01
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.01
4,4'-DDT	6.20	6.20	6.10	6.30	0.00
Methoxychlor	6.77	6.78	6.68	6.88	0.01
Endrin ketone	7.00	7.00	6.90	7.10	0.00
Endrin aldehyde	6.27	6.28	6.18	6.38	0.01
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.14	5.15	5.05	5.25	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL05 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095495.D Time Analyzed: 21:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.750	6.653	6.853	55.890	50.000	11.8
4,4'-DDE	6.240	6.143	6.343	48.240	50.000	-3.5
4,4'-DDT	7.064	6.969	7.169	45.730	50.000	-8.5
Aldrin	5.316	5.218	5.418	48.290	50.000	-3.4
alpha-BHC	4.044	3.946	4.146	46.710	50.000	-6.6
alpha-Chlordane	6.071	5.975	6.175	49.560	50.000	-0.9
beta-BHC	4.561	4.464	4.664	45.730	50.000	-8.5
Decachlorobiphenyl	9.117	9.022	9.222	48.810	50.000	-2.4
delta-BHC	4.808	4.712	4.912	46.510	50.000	-7.0
Dieldrin	6.392	6.296	6.496	49.810	50.000	-0.4
Endosulfan I	6.120	6.023	6.223	50.240	50.000	0.5
Endosulfan II	6.830	6.735	6.935	51.460	50.000	2.9
Endosulfan sulfate	7.195	7.098	7.298	50.690	50.000	1.4
Endrin	6.619	6.523	6.723	44.560	50.000	-10.9
Endrin aldehyde	6.961	6.864	7.064	51.530	50.000	3.1
Endrin ketone	7.676	7.579	7.779	54.080	50.000	8.2
gamma-BHC (Lindane)	4.375	4.277	4.477	46.350	50.000	-7.3
gamma-Chlordane	5.990	5.894	6.094	49.700	50.000	-0.6
Heptachlor	4.973	4.876	5.076	44.940	50.000	-10.1
Heptachlor epoxide	5.736	5.639	5.839	48.080	50.000	-3.8
Methoxychlor	7.536	7.440	7.640	43.400	50.000	-13.2
Tetrachloro-m-xylene	3.593	3.495	3.695	46.020	50.000	-8.0



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/23/2025 04/23/2025

Client Sample No.: CCAL05 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PL095495.D Time Analyzed: 21:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.947	5.849	6.049	59.900	50.000	19.8
4,4'-DDE	5.394	5.297	5.497	54.250	50.000	8.5
4,4'-DDT	6.200	6.104	6.304	49.230	50.000	-1.5
Aldrin	4.388	4.290	4.490	59.340	50.000	18.7
alpha-BHC	3.417	3.316	3.516	61.950	50.000	23.9
alpha-Chlordane	5.208	5.111	5.311	55.310	50.000	10.6
beta-BHC	4.044	3.944	4.144	54.650	50.000	9.3
Decachlorobiphenyl	8.083	7.989	8.189	49.250	50.000	-1.5
delta-BHC	4.280	4.180	4.380	59.020	50.000	18.0
Dieldrin	5.529	5.432	5.632	56.180	50.000	12.4
Endosulfan I	5.264	5.167	5.367	56.460	50.000	12.9
Endosulfan II	6.094	5.997	6.197	54.760	50.000	9.5
Endosulfan sulfate	6.495	6.398	6.598	54.010	50.000	8.0
Endrin	5.804	5.707	5.907	50.380	50.000	0.8
Endrin aldehyde	6.272	6.175	6.375	54.350	50.000	8.7
Endrin ketone	6.999	6.904	7.104	61.550	50.000	23.1
gamma-BHC (Lindane)	3.750	3.650	3.850	58.930	50.000	17.9
gamma-Chlordane	5.143	5.047	5.247	55.910	50.000	11.8
Heptachlor	4.104	4.004	4.204	55.540	50.000	11.1
Heptachlor epoxide	4.891	4.793	4.993	56.670	50.000	13.3
Methoxychlor	6.769	6.675	6.875	46.680	50.000	-6.6
Tetrachloro-m-xylene	2.908	2.806	3.006	56.840	50.000	13.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095495.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 21:19
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:58:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	150.2E6	180.7E6	46.020	56.839
2) SA Decachlor...	9.117	8.083	135.2E6	145.7E6	48.806	49.249m
Target Compounds						
2) A alpha-BHC	4.044	3.417	231.4E6	275.6E6	46.707	61.950 #
3) MA gamma-BHC...	4.375	3.750	219.4E6	259.2E6	46.349	58.932 #
4) MA Heptachlor	4.973	4.104	205.6E6	242.0E6	44.945	55.540
5) MB Aldrin	5.316	4.388	221.8E6	244.2E6	48.287	59.336m
6) B beta-BHC	4.561	4.044	94544237	113.4E6	45.728	54.650
7) B delta-BHC	4.808	4.280	216.3E6	258.6E6	46.510m	59.017 #
8) B Heptachlo...	5.736	4.891	192.6E6	218.9E6	48.078	56.670
9) A Endosulfan I	6.120	5.264	190.8E6	206.7E6	50.236	56.456
10) B gamma-Chl...	5.990	5.143	202.7E6	226.6E6	49.697	55.906m
11) B alpha-Chl...	6.071	5.208	201.5E6	220.2E6	49.560	55.306
12) B 4,4'-DDE	6.240	5.394	189.1E6	220.7E6	48.245	54.255
13) MA Dieldrin	6.392	5.529	192.0E6	228.5E6	49.812	56.179
14) MA Endrin	6.619	5.804	141.9E6	183.4E6	44.558m	50.385
15) B Endosulfa...	6.830	6.094	164.3E6	196.7E6	51.462m	54.761
16) A 4,4'-DDD	6.750	5.947	158.2E6	195.7E6	55.887	59.898
17) MA 4,4'-DDT	7.064	6.200	130.3E6	169.2E6	45.732	49.232
18) B Endrin al...	6.961	6.272	119.6E6	142.0E6	51.531	54.350
19) B Endosulfa...	7.195	6.495	142.0E6	179.2E6	50.691	54.014
20) A Methoxychlor	7.536	6.769	60546547	89031914	43.398	46.676
21) B Endrin ke...	7.676	6.999	154.2E6	216.7E6	54.076	61.549m
22) Mirex	8.157	7.197	119.4E6	152.9E6	50.237	53.041

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 21:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

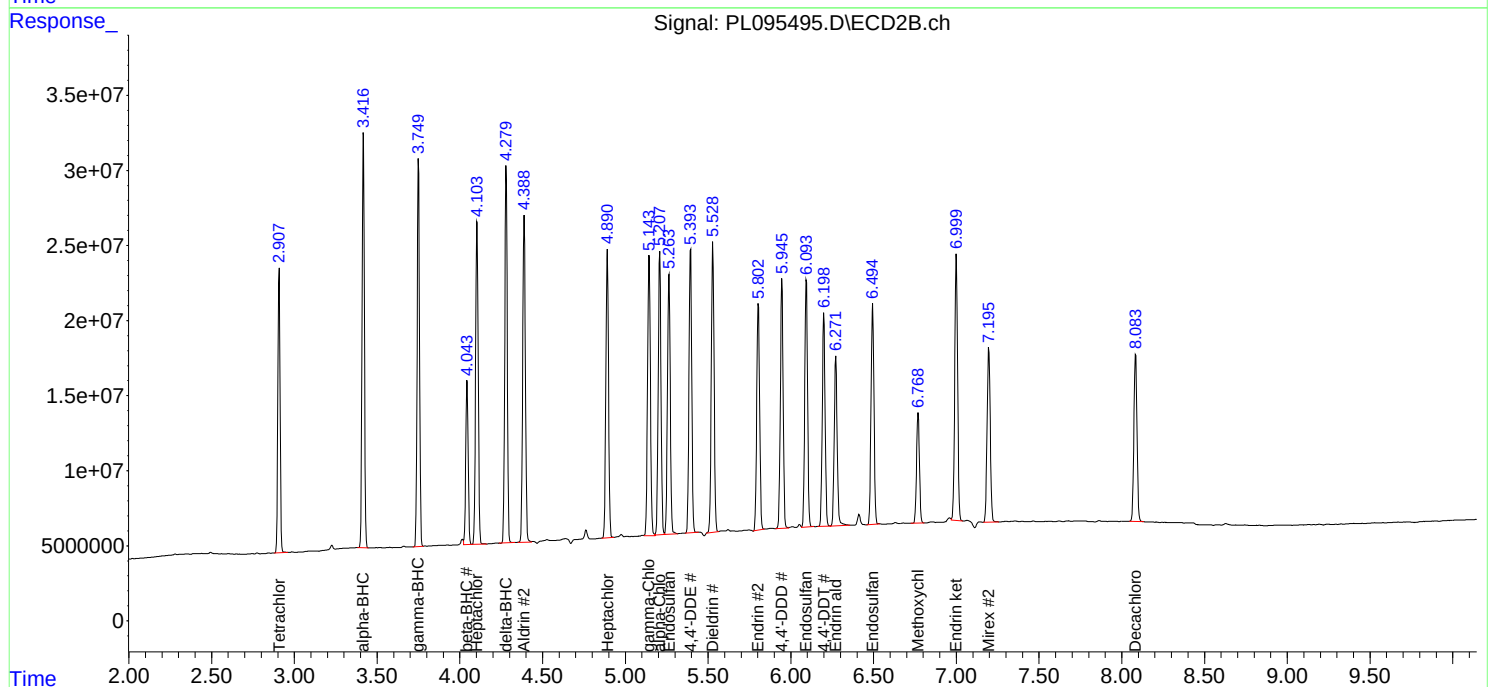
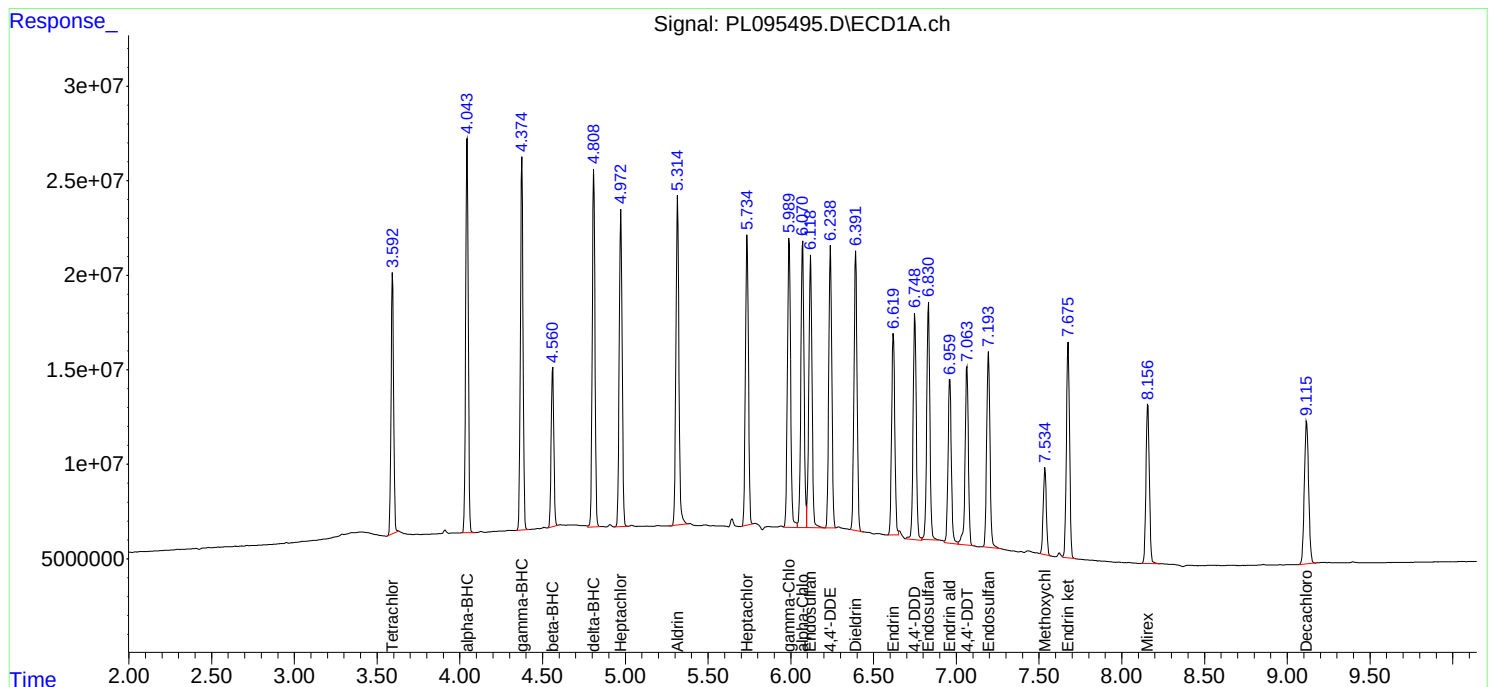
APPROVED

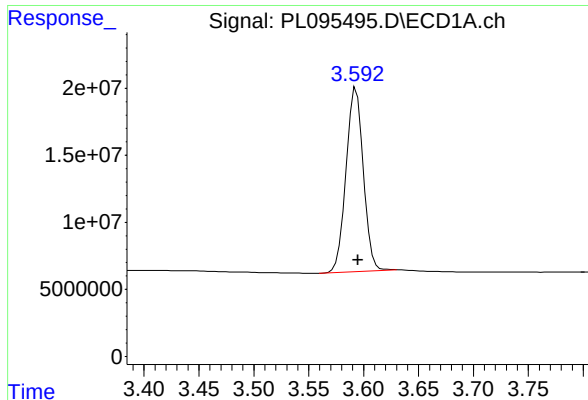
Reviewed By :Abdul Mirza 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





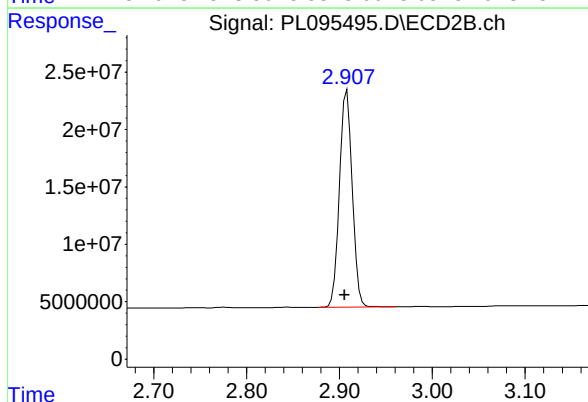
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 150241740
Conc: 46.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

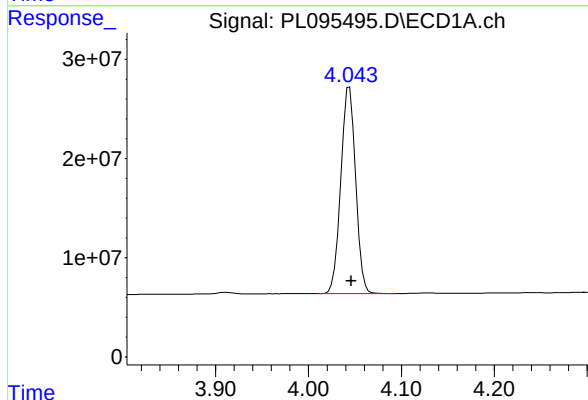
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



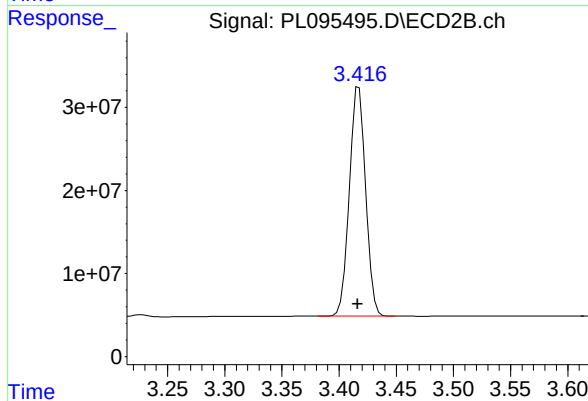
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 180733317
Conc: 56.84 ng/ml



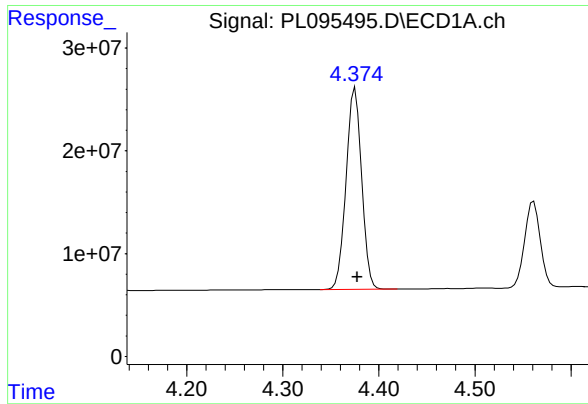
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 231372911
Conc: 46.71 ng/ml



#2 alpha-BHC

R.T.: 3.417 min
Delta R.T.: 0.001 min
Response: 275596804
Conc: 61.95 ng/ml



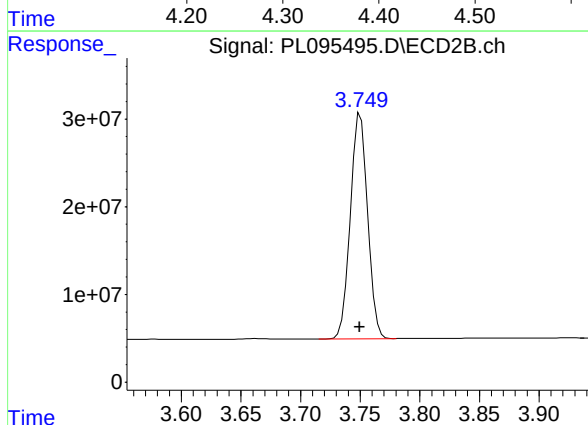
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 219413915
Conc: 46.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

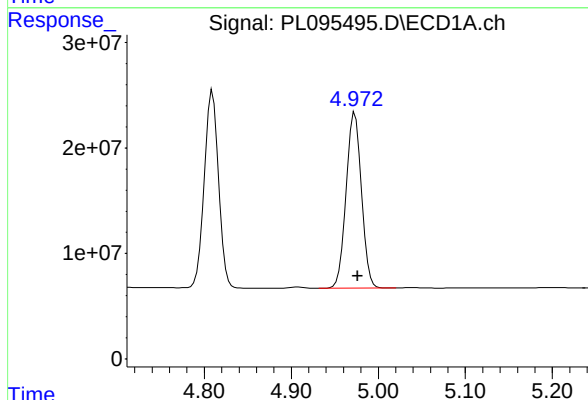
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



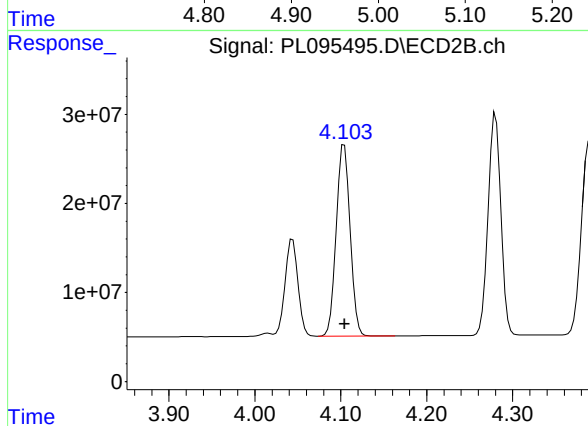
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 259198319
Conc: 58.93 ng/ml



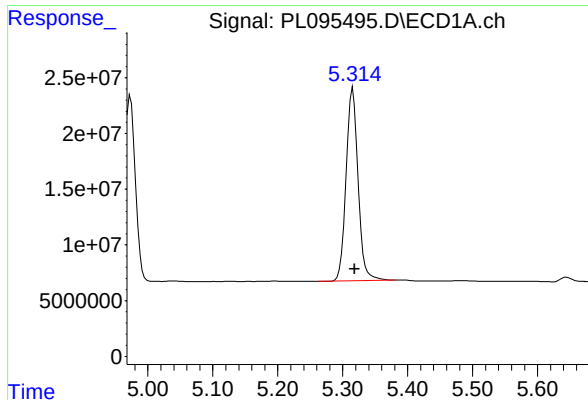
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 205599177
Conc: 44.94 ng/ml



#4 Heptachlor

R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 241971663
Conc: 55.54 ng/ml



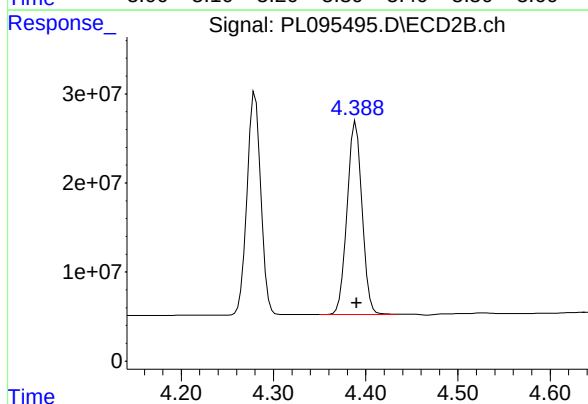
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.003 min
Response: 221781369
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

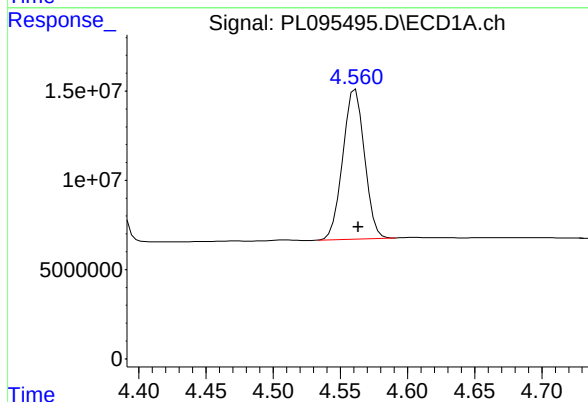
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



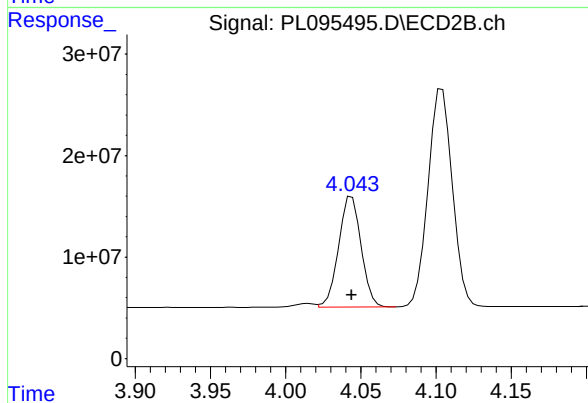
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 244207179
Conc: 59.34 ng/ml



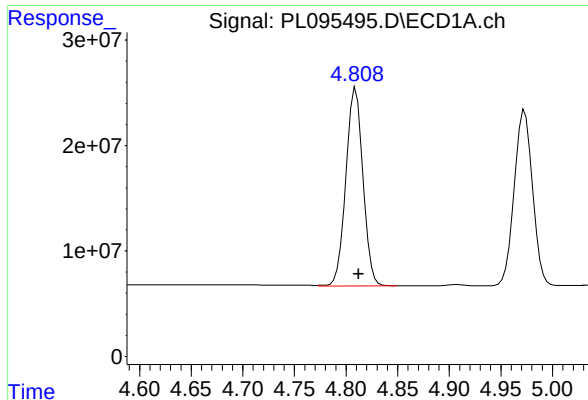
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.002 min
Response: 94544237
Conc: 45.73 ng/ml



#6 beta-BHC

R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 113445723
Conc: 54.65 ng/ml



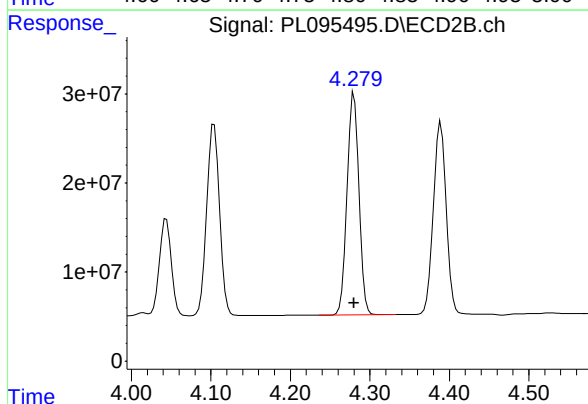
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 216303308
Conc: 46.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

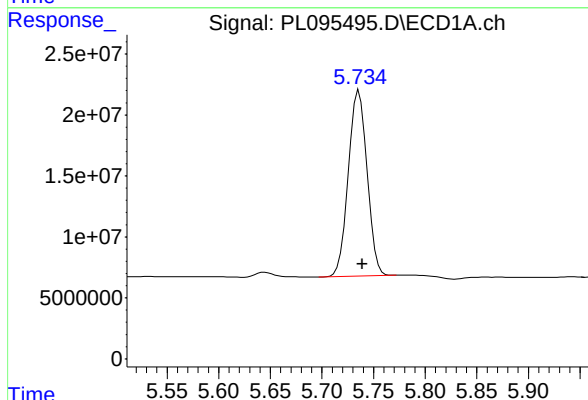
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



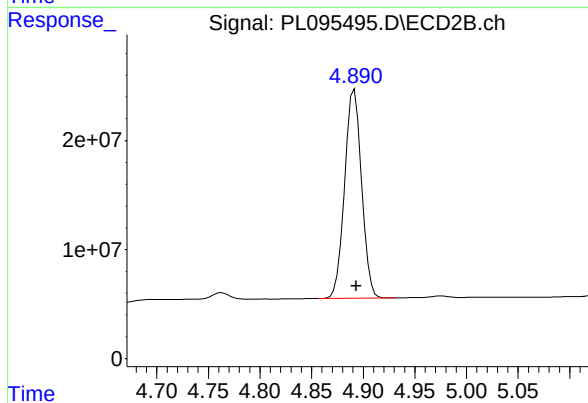
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 258608107
Conc: 59.02 ng/ml



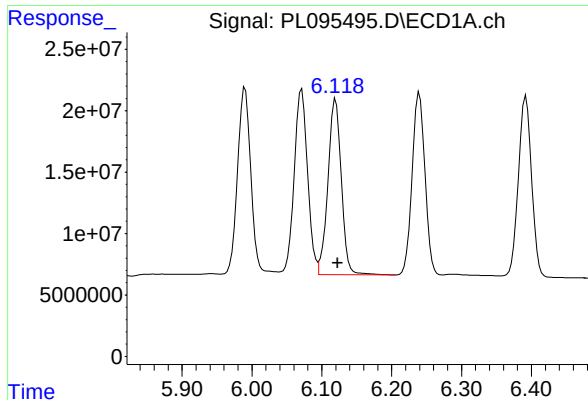
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 192559792
Conc: 48.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 218898301
Conc: 56.67 ng/ml



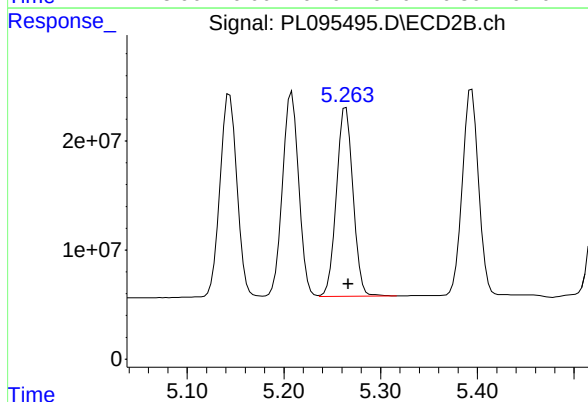
#9 Endosulfan I

R.T.: 6.120 min
Delta R.T.: -0.003 min
Response: 190772559
Conc: 50.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

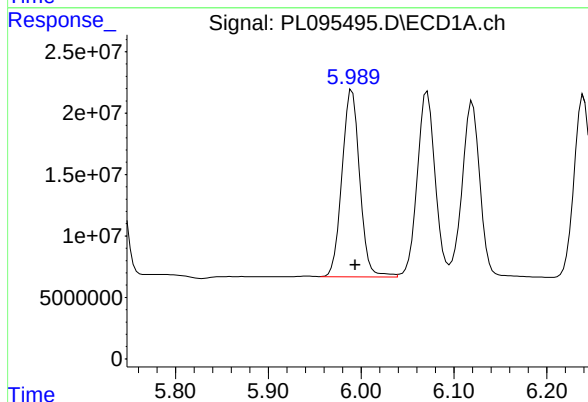
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



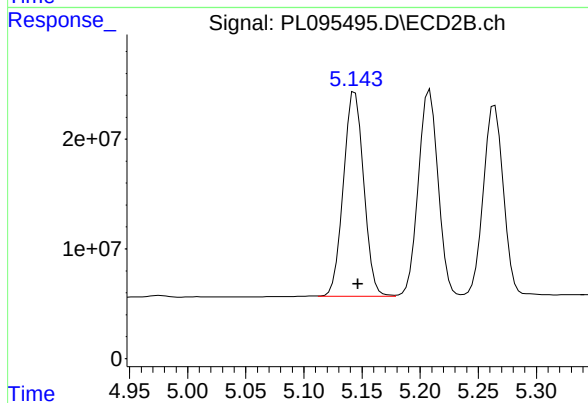
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 206652628
Conc: 56.46 ng/ml



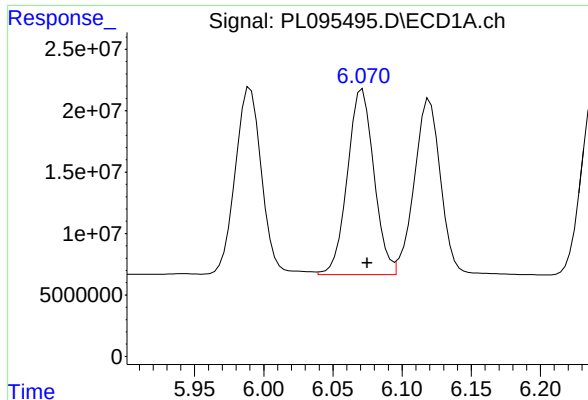
#10 gamma-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.003 min
Response: 202732390
Conc: 49.70 ng/ml



#10 gamma-Chlordane

R.T.: 5.143 min
Delta R.T.: -0.004 min
Response: 226568862
Conc: 55.91 ng/ml m



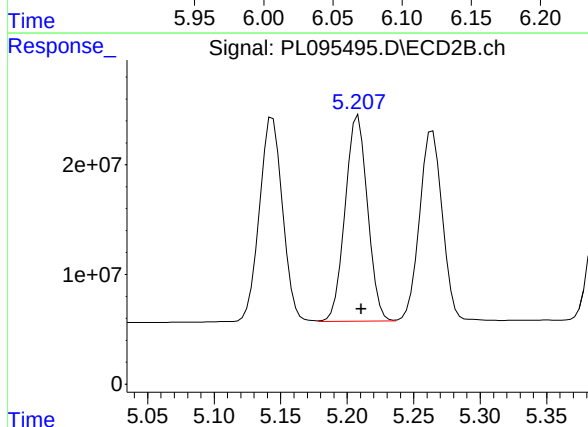
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 201517606
Conc: 49.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

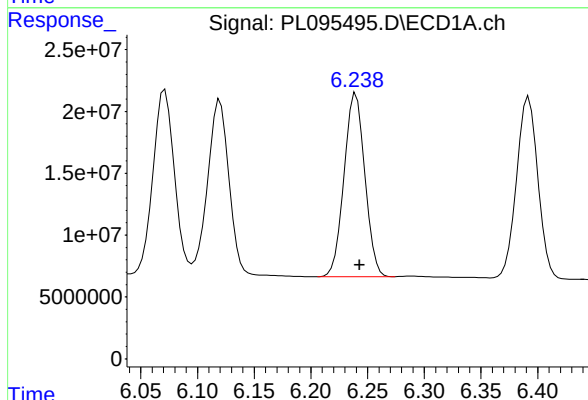
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



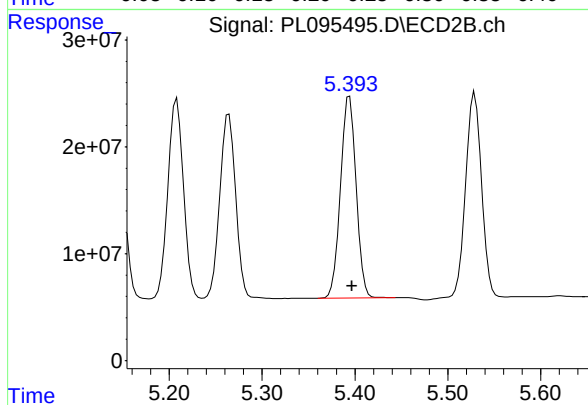
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 220176479
Conc: 55.31 ng/ml



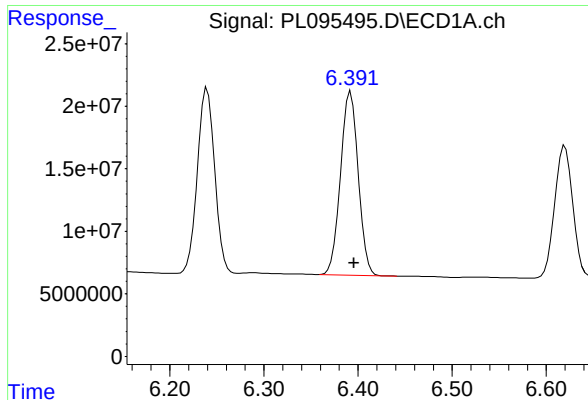
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 189146785
Conc: 48.24 ng/ml



#12 4,4'-DDE

R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 220652486
Conc: 54.25 ng/ml



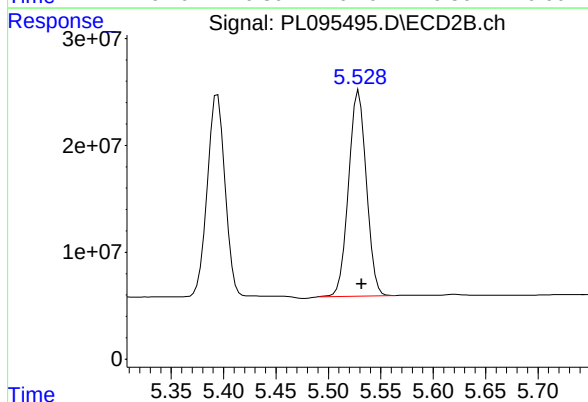
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.003 min
Response: 192015335
Conc: 49.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

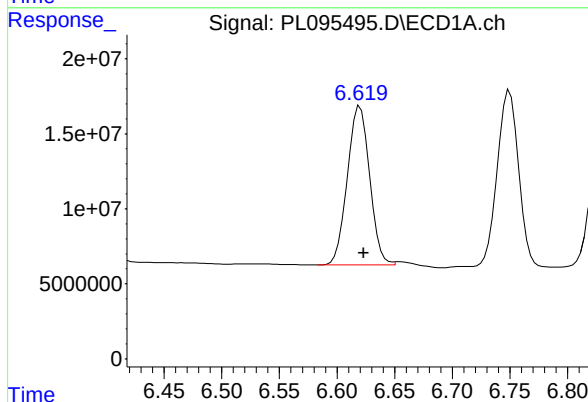
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



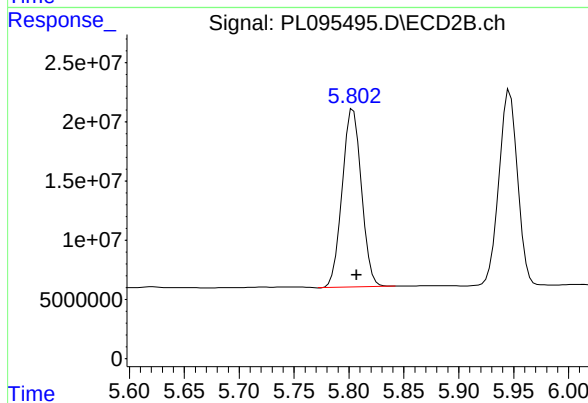
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 228486607
Conc: 56.18 ng/ml



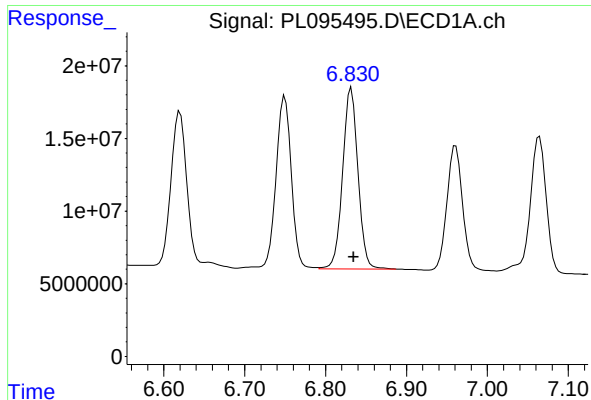
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.005 min
Response: 141906444
Conc: 44.56 ng/ml m



#14 Endrin

R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 183436292
Conc: 50.38 ng/ml



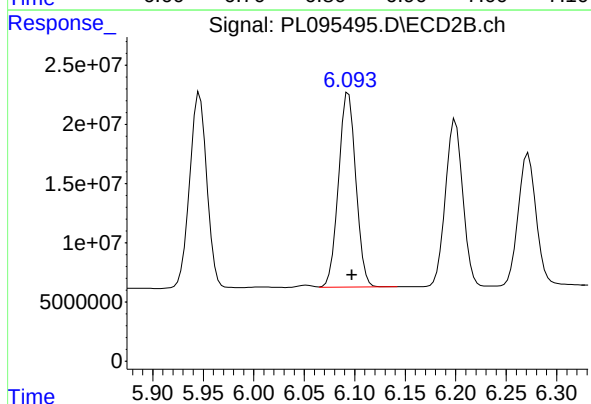
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 164274602
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

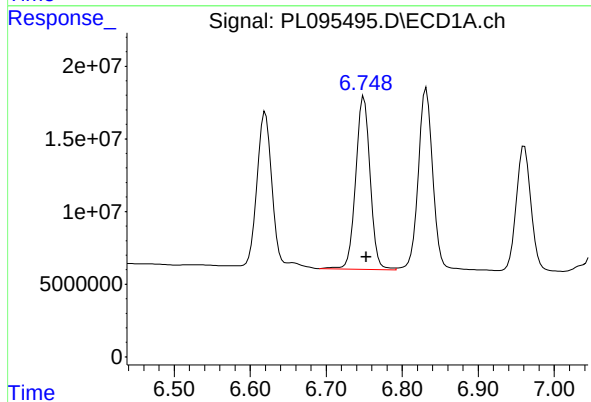
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



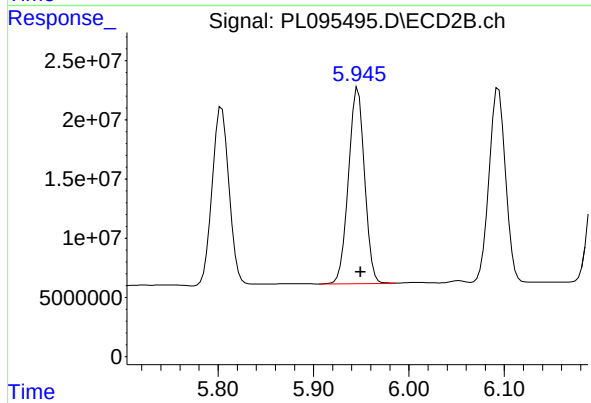
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 196651203
Conc: 54.76 ng/ml



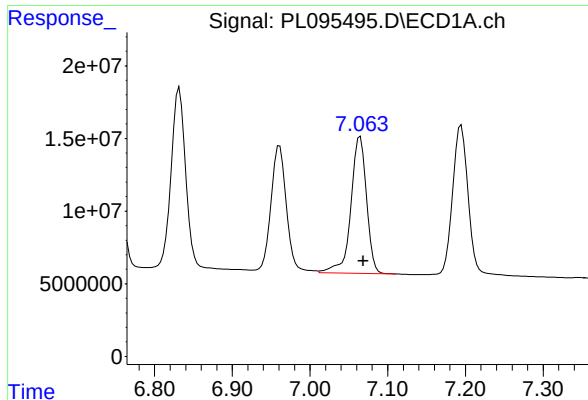
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 158212643
Conc: 55.89 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 195675815
Conc: 59.90 ng/ml



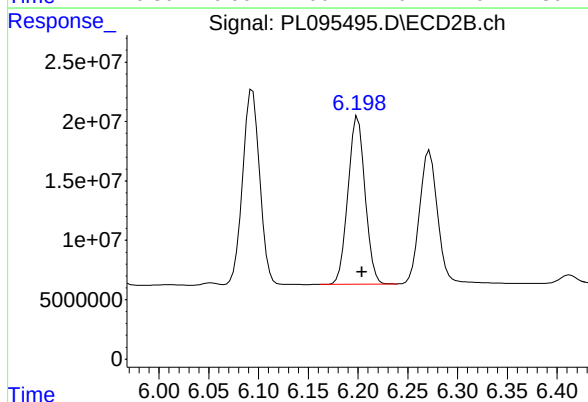
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.004 min
Response: 130271804
Conc: 45.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

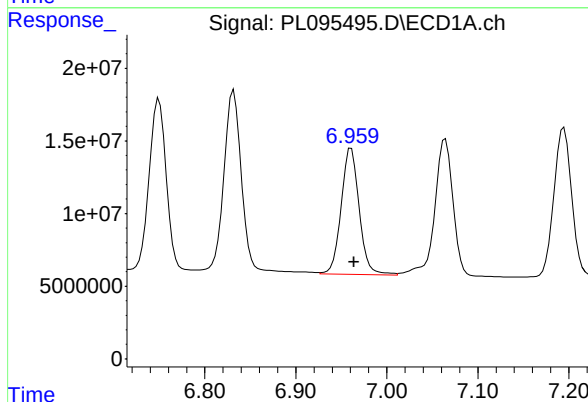
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



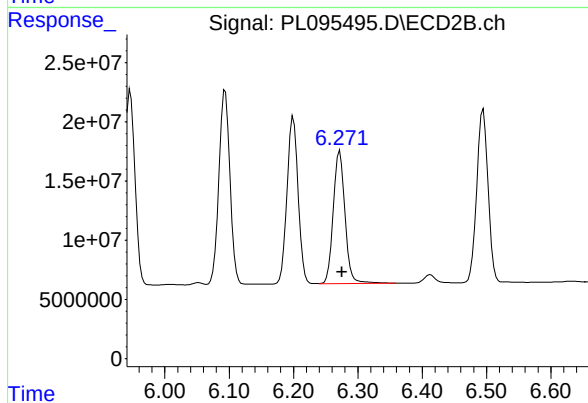
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 169170711
Conc: 49.23 ng/ml



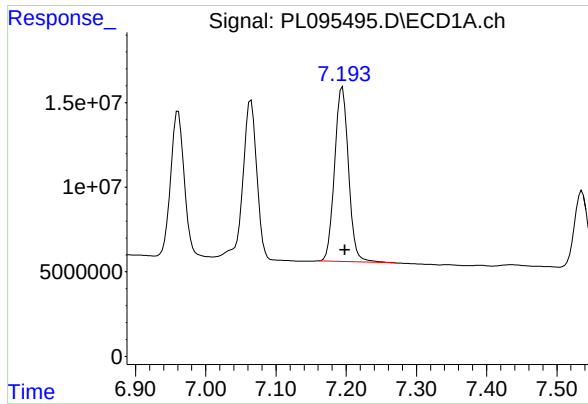
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.003 min
Response: 119593736
Conc: 51.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.272 min
Delta R.T.: -0.004 min
Response: 142025119
Conc: 54.35 ng/ml



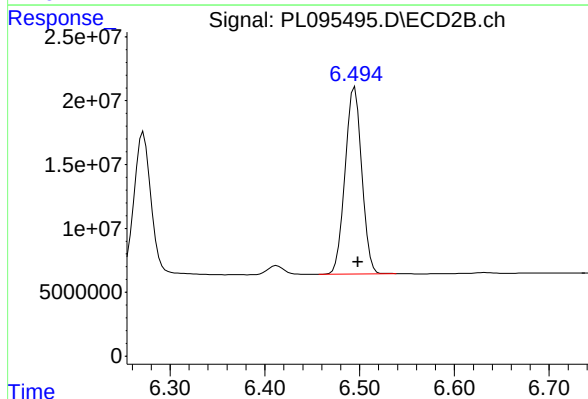
#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 142024914
Conc: 50.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

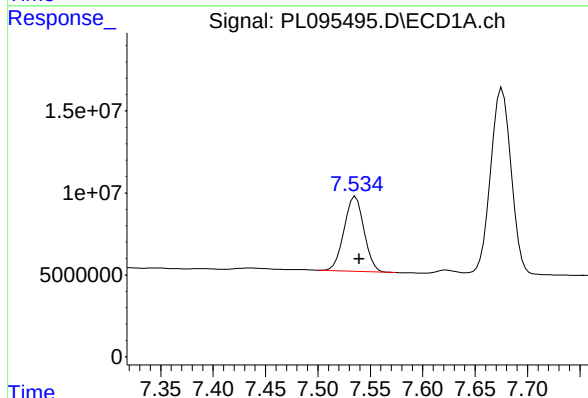
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



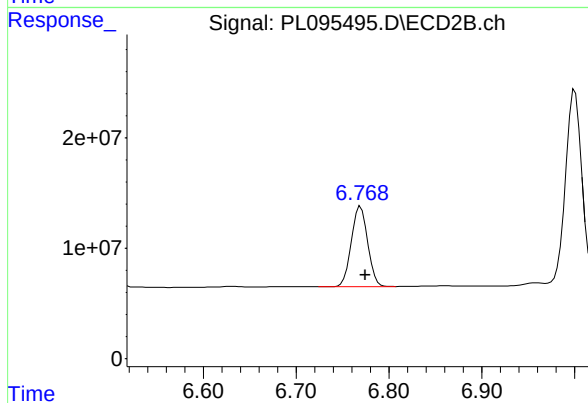
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.004 min
Response: 179215992
Conc: 54.01 ng/ml



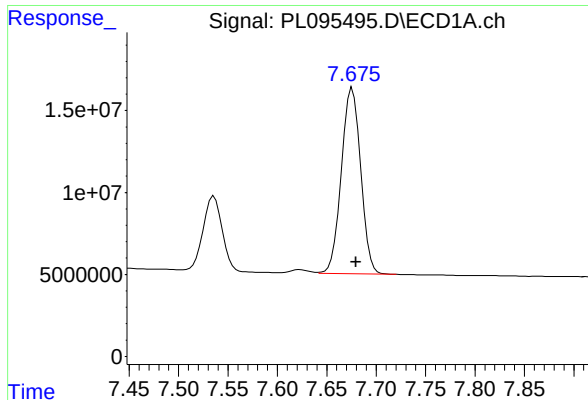
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 60546547
Conc: 43.40 ng/ml



#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 89031914
Conc: 46.68 ng/ml



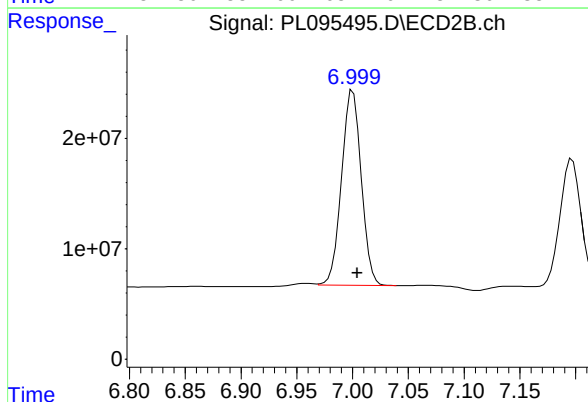
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 154163643
Conc: 54.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

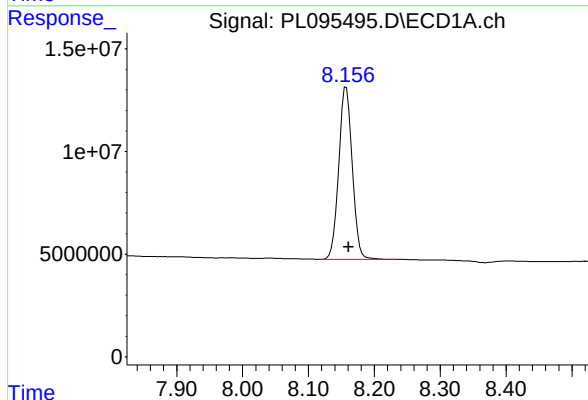
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



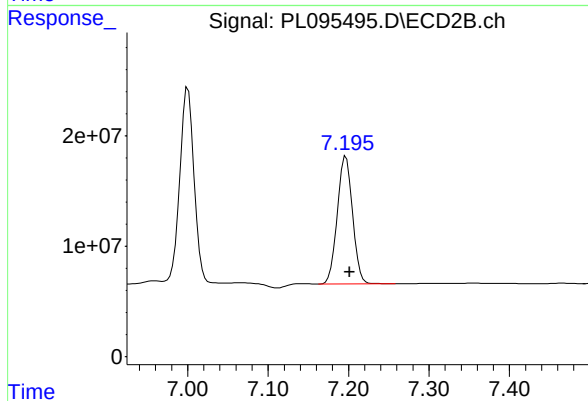
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 216730809
Conc: 61.55 ng/ml m



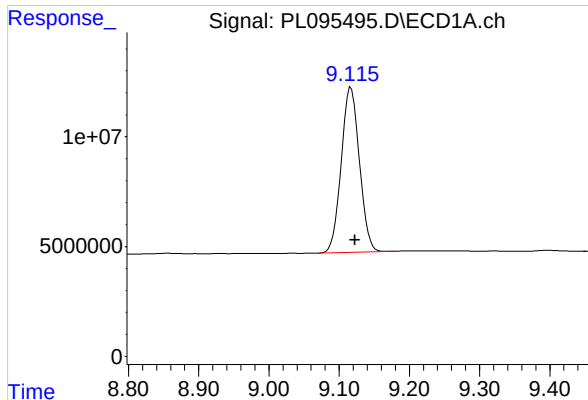
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.003 min
Response: 119365097
Conc: 50.24 ng/ml



#22 Mirex

R.T.: 7.197 min
Delta R.T.: -0.005 min
Response: 152886124
Conc: 53.04 ng/ml



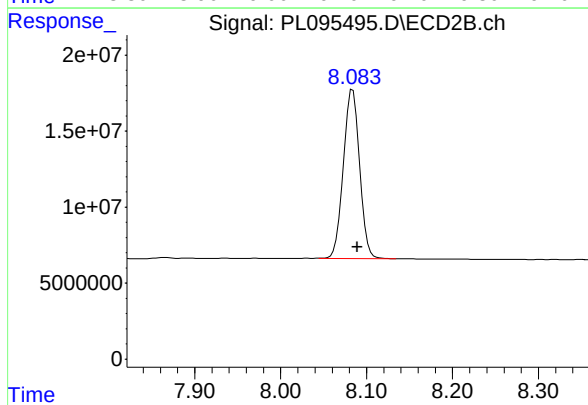
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 135230798
Conc: 48.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 145740505
Conc: 49.25 ng/ml m

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1883** SAS No.: **Q1883** SDG NO.: **Q1883**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095327.D** Date Analyzed: **04/23/2025**

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.122	9.020	9.220	23.490	20.000	17.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.530	20.000	12.7
alpha-BHC	4.045	3.990	4.100	10.950	10.000	9.5
beta-BHC	4.563	4.510	4.610	10.960	10.000	9.6
gamma-BHC (Lindane)	4.375	4.320	4.430	11.240	10.000	12.4
Endrin	6.622	6.550	6.690	54.830	50.000	9.7
4,4'-DDT	7.067	7.000	7.140	112.580	100.000	12.6
Methoxychlor	7.538	7.470	7.610	265.190	250.000	6.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095327.D** Date Analyzed: **04/23/2025**

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

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.089	7.990	8.190	23.100	20.000	15.5
Tetrachloro-m-xylene	2.905	2.850	2.960	22.790	20.000	14.0
alpha-BHC	3.415	3.360	3.470	11.050	10.000	10.5
beta-BHC	4.042	3.990	4.090	11.540	10.000	15.4
gamma-BHC (Lindane)	3.748	3.700	3.800	11.100	10.000	11.0
Endrin	5.806	5.740	5.880	57.180	50.000	14.4
4,4'-DDT	6.203	6.130	6.270	115.980	100.000	16.0
Methoxychlor	6.774	6.700	6.840	253.560	250.000	1.4

Data File: PEM
 PL095327.D **Date Acquired** 4/23/2025 11:04
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	174620420	176432661.6	1812241.55	1.03
Endrin aldehyde	6.96	291372.367			
Endrin ketone	7.68	1520869.187			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	208180230.3	212099534	3919303.8	1.85
Endrin aldehyde #2	6.28	1927807.487			
Endrin ketone #2	7.00	1991496.309			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	320688920.6	321379935.9	691015.328	0.22
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	691015.328			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	398515431.8	399310772.3	795340.506	0.20
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	795340.506			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	73541125	72472220	22.526	22.792
28) SA Decachlor...	9.122	8.089	65094644	68362526	23.493	23.101
Target Compounds						
2) A alpha-BHC	4.045	3.415	54247618	49140358	10.951	11.046
3) MA gamma-BHC...	4.375	3.748	53220046	48800893	11.242m	11.096
6) B beta-BHC	4.563	4.042	22651669	23957368	10.956	11.541
14) MA Endrin	6.622	5.806	174.6E6	208.2E6	54.830	57.181
16) A 4,4'-DDD	6.747	5.947	691015	795341	0.244m	0.243m
17) MA 4,4'-DDT	7.067	6.203	320.7E6	398.5E6	112.579	115.976
18) B Endrin al...	6.964	6.276	291372	1927807	0.126m	0.738m#
20) A Methoxychlor	7.538	6.774	370.0E6	483.6E6	265.186	253.560
21) B Endrin ke...	7.676	7.001	1520869	1991496	0.533m	0.566m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

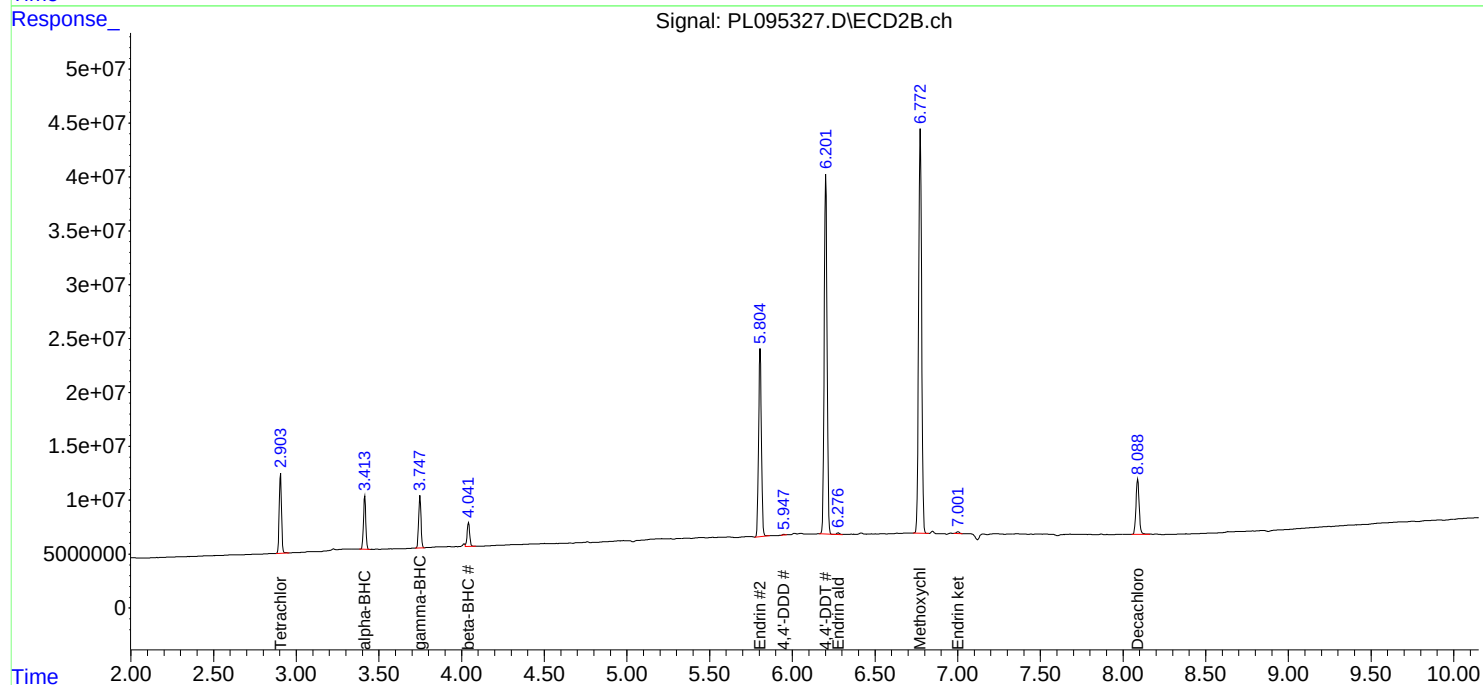
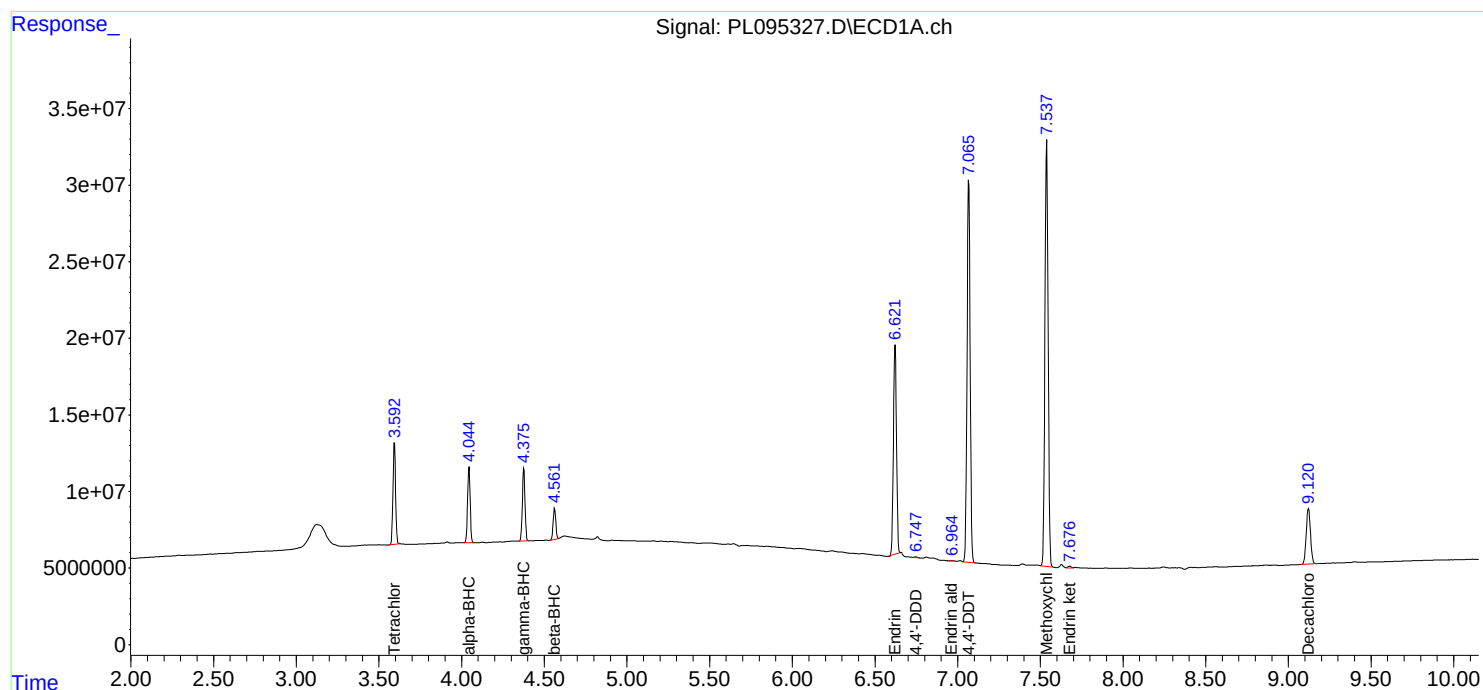
Instrument :
ECD_L
ClientSampleId :
PEM

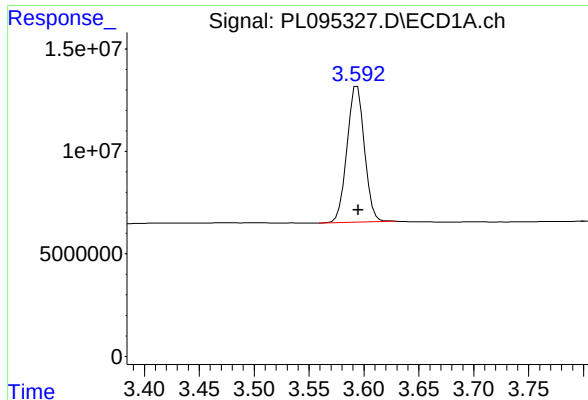
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/24/2025
Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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





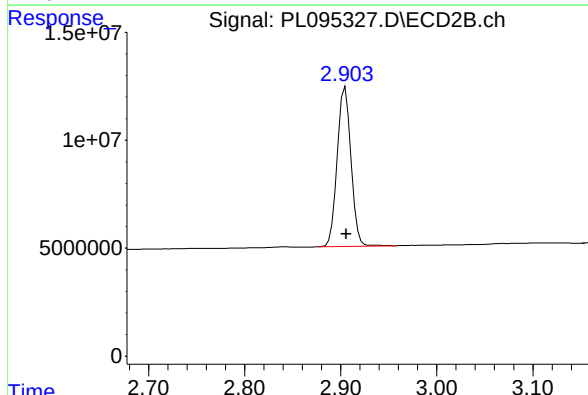
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 73541125
Conc: 22.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

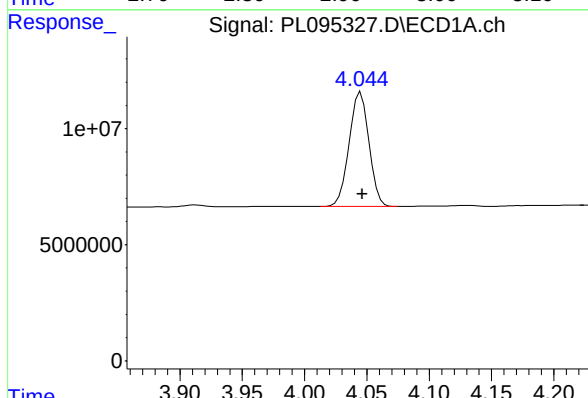
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



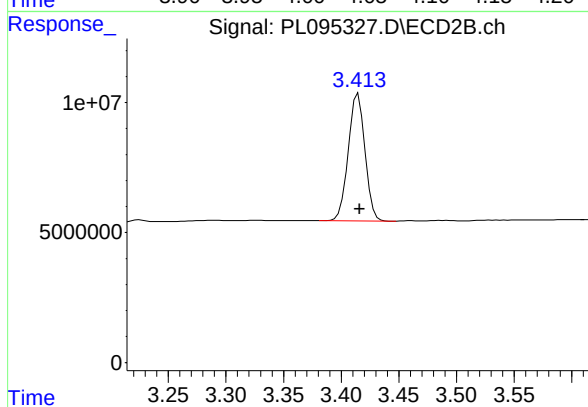
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 72472220
Conc: 22.79 ng/ml



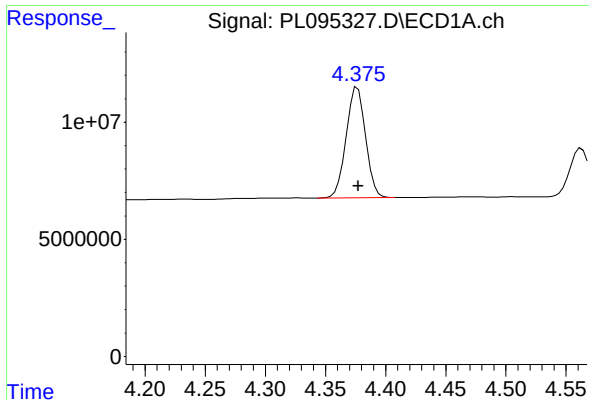
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 54247618
Conc: 10.95 ng/ml



#2 alpha-BHC

R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 49140358
Conc: 11.05 ng/ml



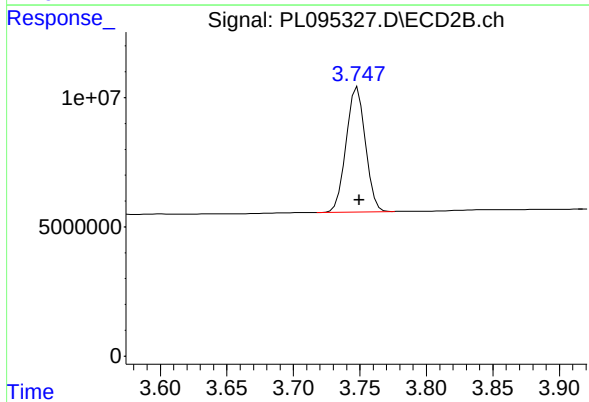
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 53220046
Conc: 11.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

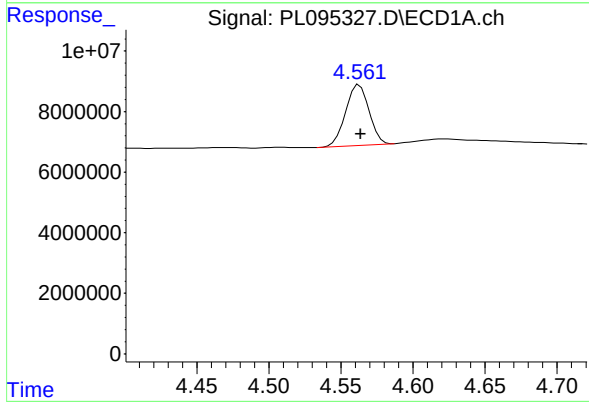
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



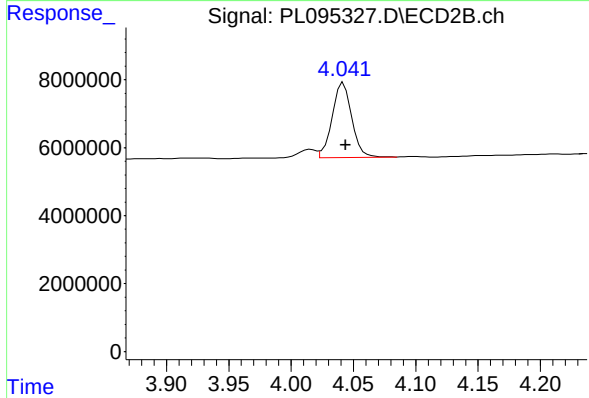
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 48800893
Conc: 11.10 ng/ml



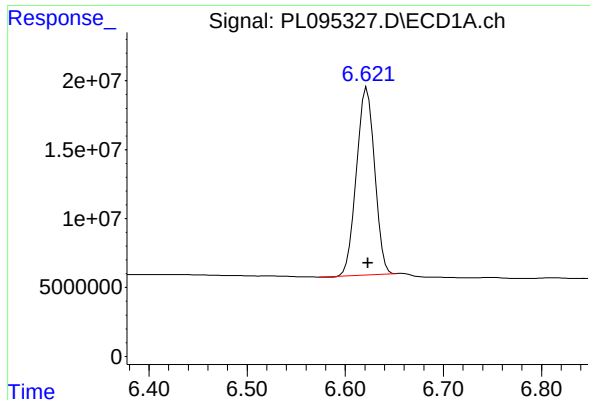
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 22651669
Conc: 10.96 ng/ml



#6 beta-BHC

R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 23957368
Conc: 11.54 ng/ml



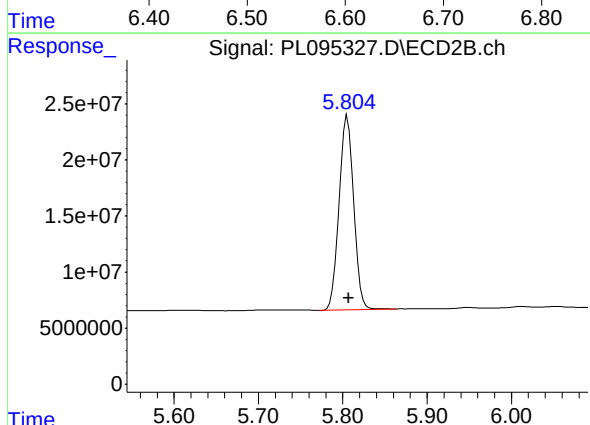
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 174620420
Conc: 54.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

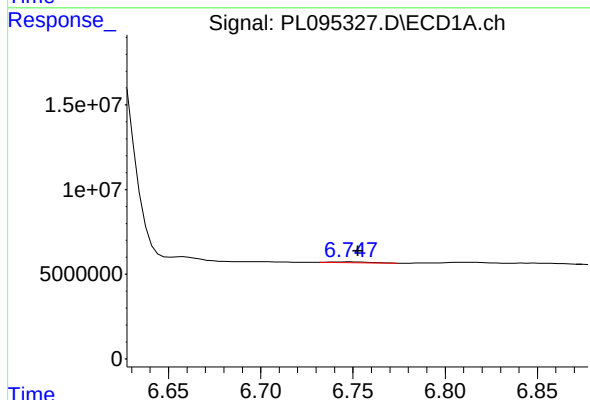
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



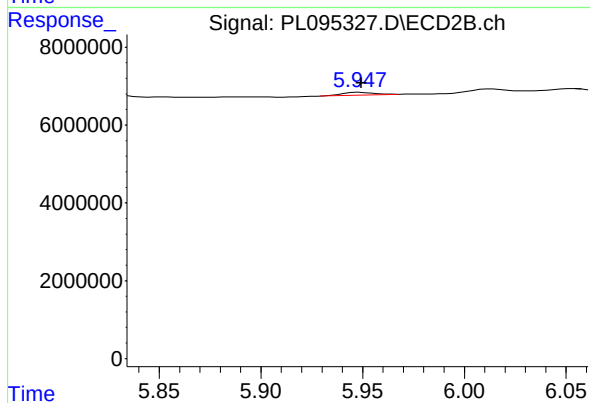
#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 208180230
Conc: 57.18 ng/ml



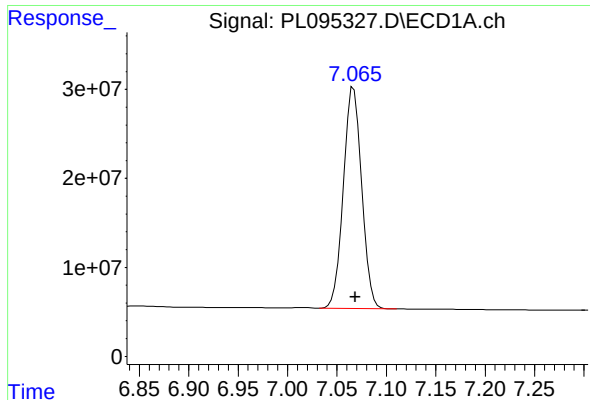
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 691015
Conc: 0.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.947 min
Delta R.T.: -0.002 min
Response: 795341
Conc: 0.24 ng/ml m



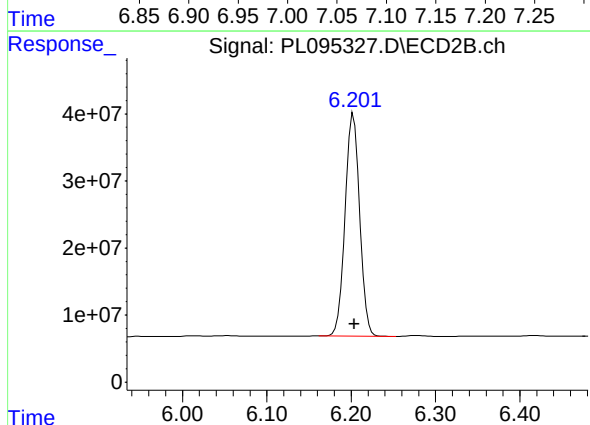
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: -0.002 min
Response: 320688921
Conc: 112.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

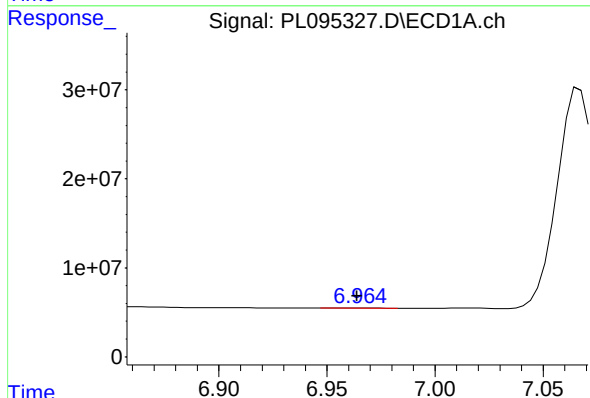
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



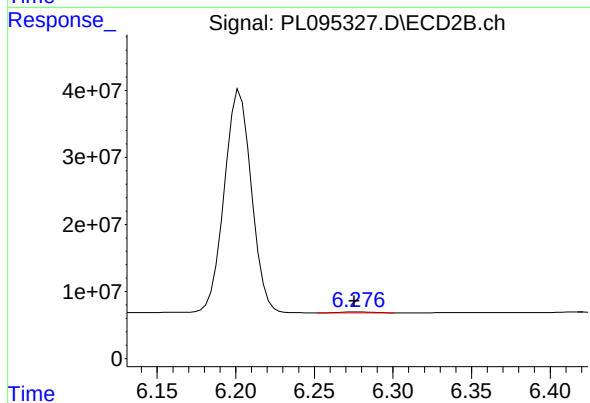
#17 4,4'-DDT

R.T.: 6.203 min
Delta R.T.: -0.001 min
Response: 398515432
Conc: 115.98 ng/ml



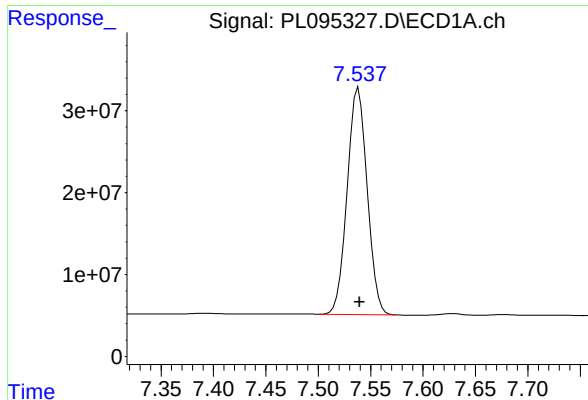
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 291372
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 1927807
Conc: 0.74 ng/ml m



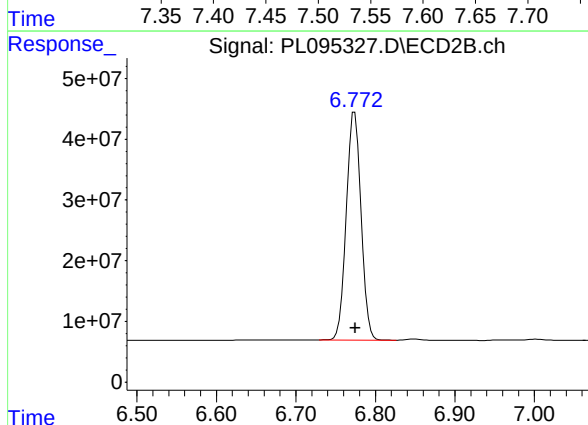
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.001 min
Response: 369969247
Conc: 265.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

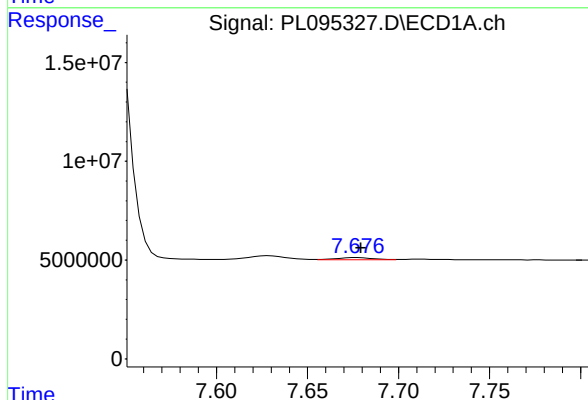
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



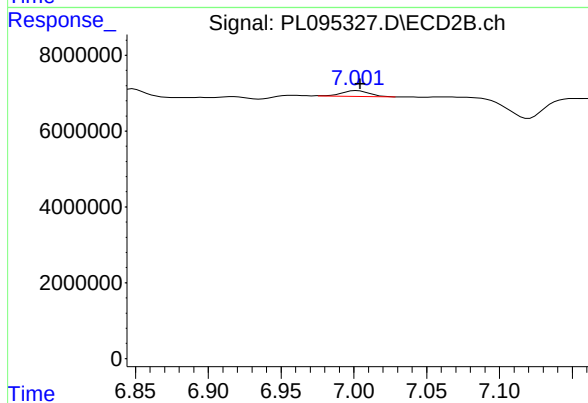
#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 483648088
Conc: 253.56 ng/ml



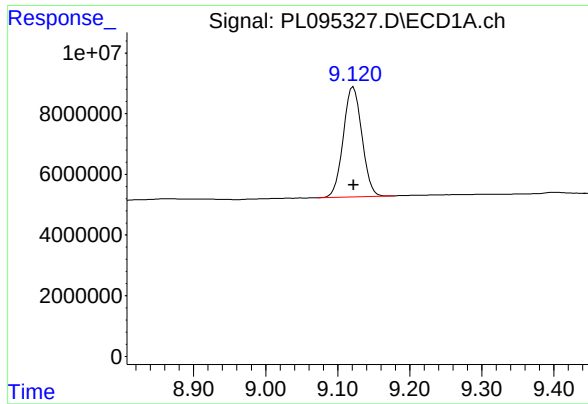
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 1520869
Conc: 0.53 ng/ml m



#21 Endrin ketone

R.T.: 7.001 min
Delta R.T.: -0.004 min
Response: 1991496
Conc: 0.57 ng/ml m



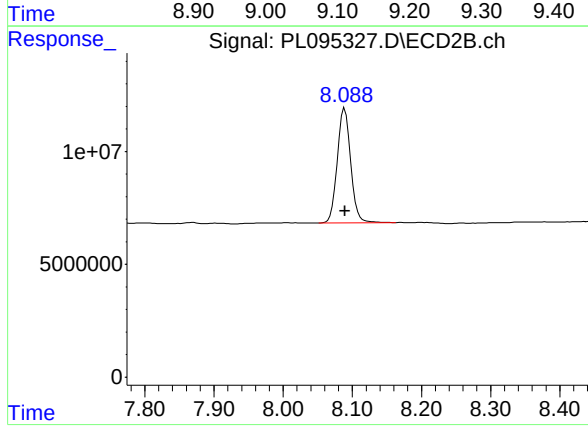
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 65094644
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 68362526
Conc: 23.10 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1883** SAS No.: **Q1883** SDG NO.: **Q1883**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095439.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:47**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.117	9.020	9.220	25.350	20.000	26.8
Tetrachloro-m-xylene	3.593	3.540	3.640	22.460	20.000	12.3
alpha-BHC	4.044	3.990	4.090	11.000	10.000	10.0
beta-BHC	4.561	4.510	4.610	11.190	10.000	11.9
gamma-BHC (Lindane)	4.373	4.320	4.420	11.270	10.000	12.7
Endrin	6.619	6.550	6.690	59.230	50.000	18.5
4,4'-DDT	7.065	6.990	7.140	117.390	100.000	17.4
Methoxychlor	7.536	7.470	7.610	269.500	250.000	7.8

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095439.D** Date Analyzed: **04/28/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **15:47**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.083	7.980	8.180	24.580	20.000	22.9
Tetrachloro-m-xylene	2.904	2.850	2.950	21.560	20.000	7.8
alpha-BHC	3.413	3.360	3.460	10.690	10.000	6.9
beta-BHC	4.040	3.990	4.090	11.130	10.000	11.3
gamma-BHC (Lindane)	3.747	3.700	3.800	10.730	10.000	7.3
Endrin	5.801	5.730	5.870	51.780	50.000	3.6
4,4'-DDT	6.198	6.130	6.270	107.280	100.000	7.3
Methoxychlor	6.769	6.700	6.840	230.890	250.000	-7.6

Data File: PEM
 PL095439.D **Date Acquired** 4/28/2025 15:47
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	188623186.1	198139966.1	9516779.98	Down 4.80
Endrin aldehyde	6.96	2168254.084			
Endrin ketone	7.67	7348525.891			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.80	188510661	199981133	11470471.9	5.74
Endrin aldehyde #2	6.27	2888599.582			
Endrin ketone #2	7.00	8581872.352			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.06	334394455.3	347192066.3	12797611	3.69
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	12797611.01			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	368637047.6	379759287.9	11122240.3	2.93
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	11122240.32			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095439.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 15:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/29/2025
 Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	73328793	68568704	22.461	21.564
28) SA Decachlor...	9.117	8.083	70253388	72725496	25.355	24.576
Target Compounds						
2) A alpha-BHC	4.044	3.413	54493818	47576174	11.001	10.694
3) MA gamma-BHC...	4.373	3.747	53354812	47186291	11.271m	10.728
6) B beta-BHC	4.561	4.040	23140770	23104520	11.193	11.130
14) MA Endrin	6.619	5.801	188.6E6	188.5E6	59.227	51.778
16) A 4,4'-DDD	6.747	5.944	12797611	11122240	4.521m	3.405
17) MA 4,4'-DDT	7.065	6.198	334.4E6	368.6E6	117.390	107.281
18) B Endrin al...	6.959	6.270	2168254	2888600	0.934m	1.105m
20) A Methoxychlor	7.536	6.769	376.0E6	440.4E6	269.500	230.892
21) B Endrin ke...	7.674	6.998	7348526	8581872	2.578	2.437

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

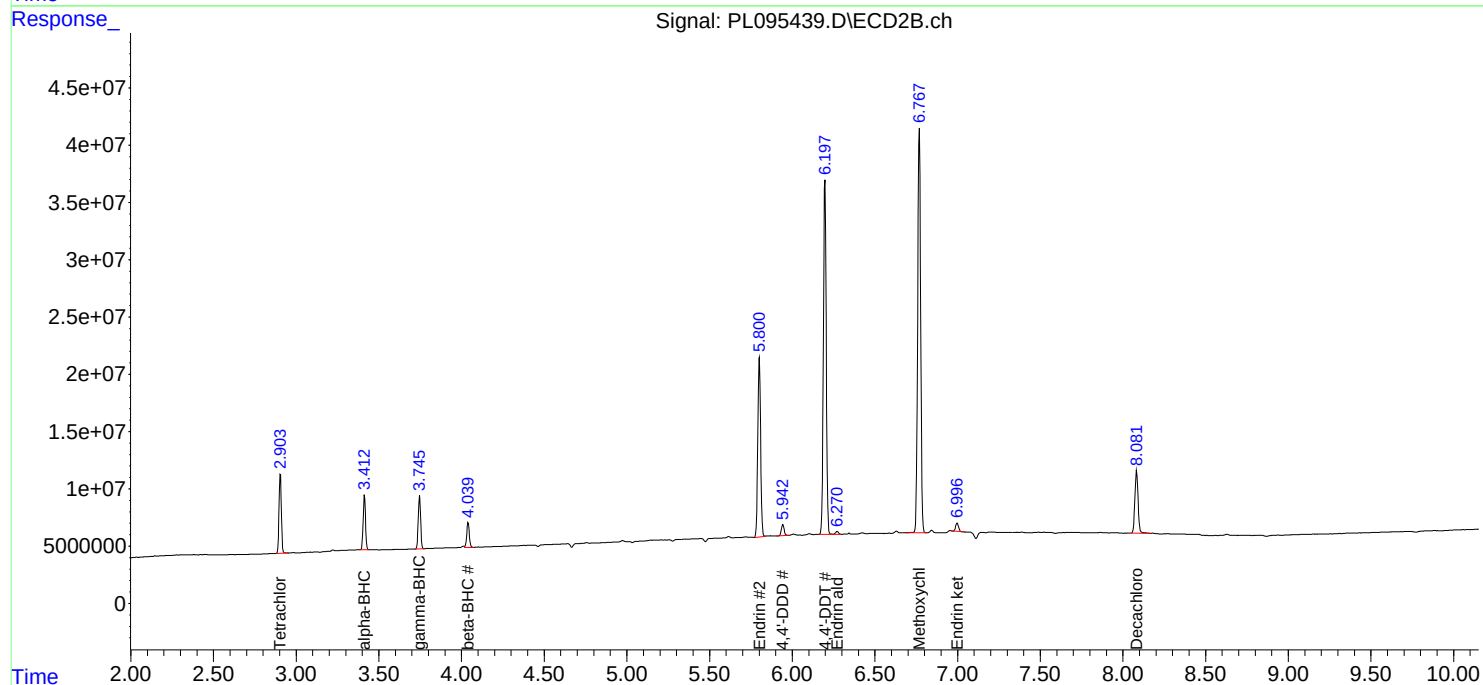
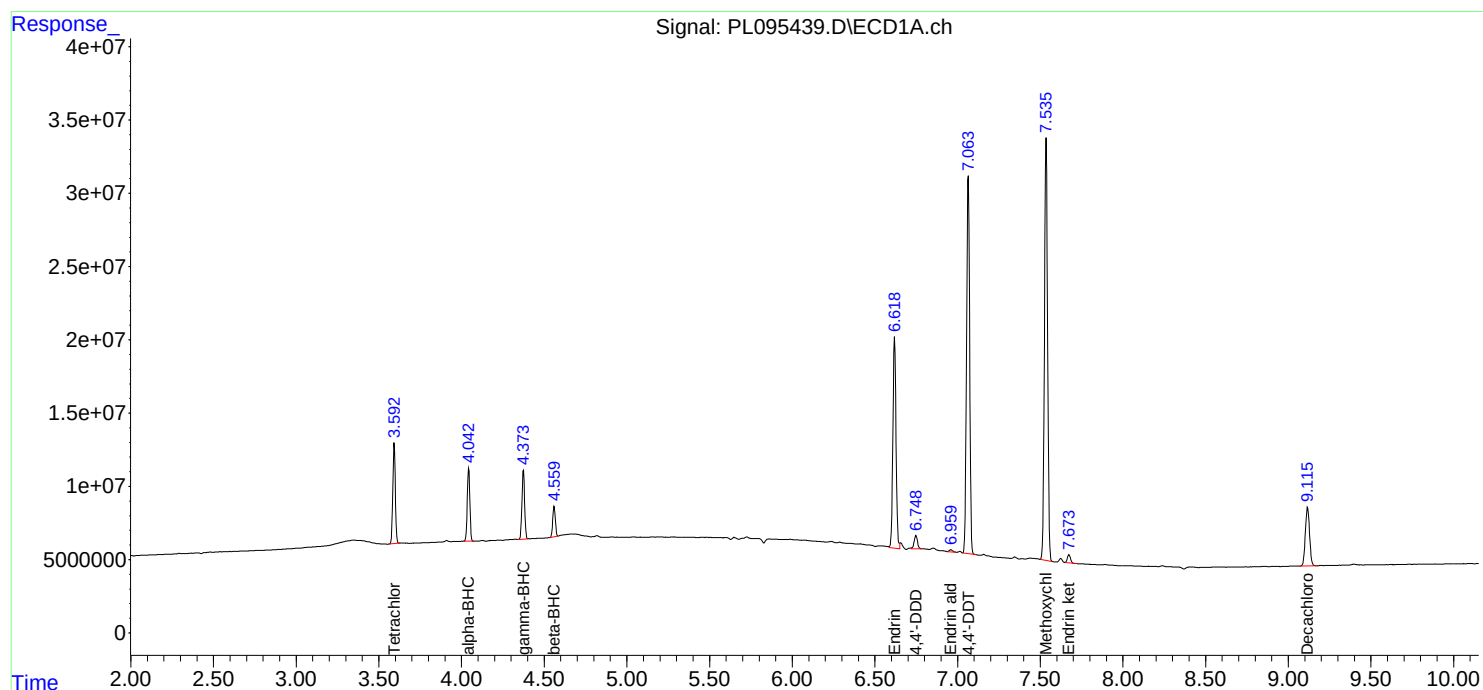
Instrument :
ECD_L
ClientSampleId :
PEM

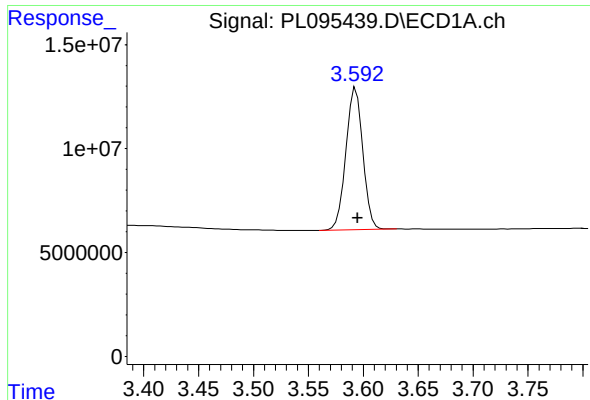
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/29/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





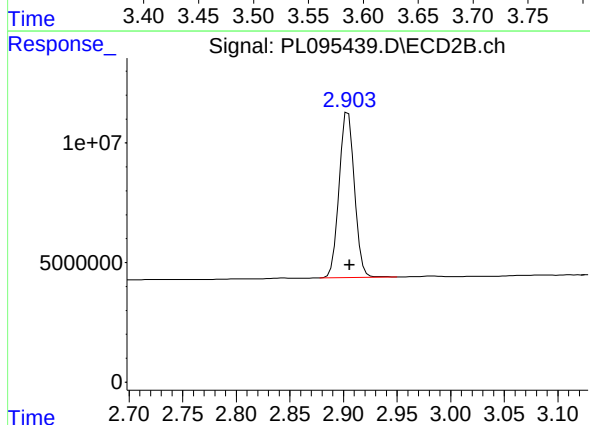
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 73328793
Conc: 22.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

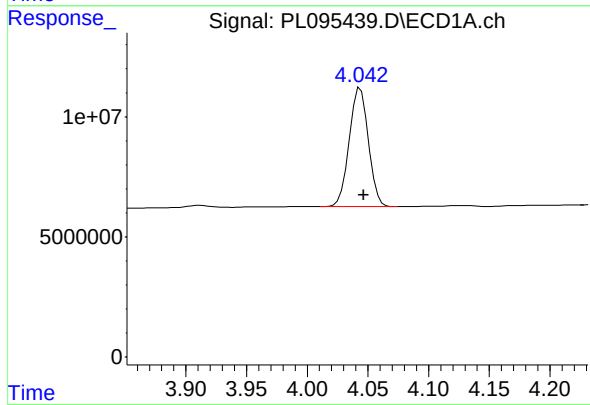
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



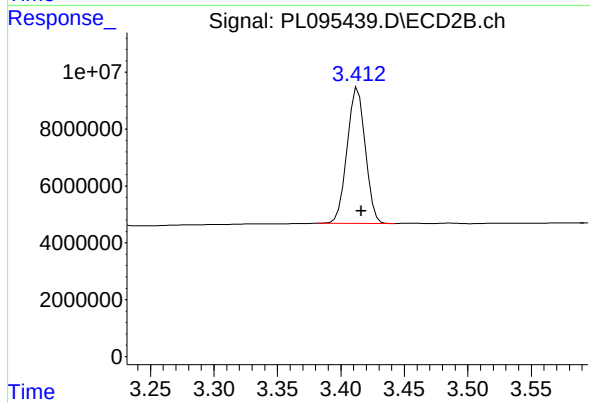
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 68568704
Conc: 21.56 ng/ml



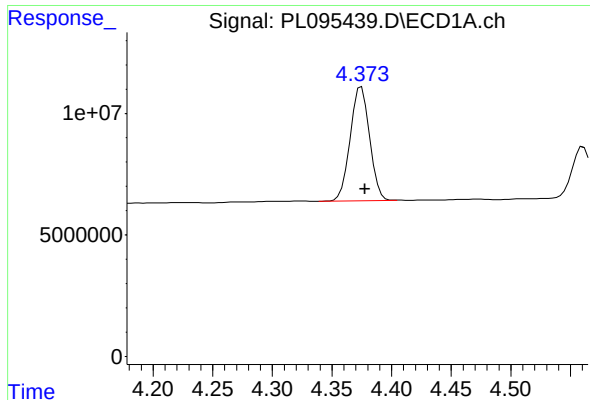
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 54493818
Conc: 11.00 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 47576174
Conc: 10.69 ng/ml



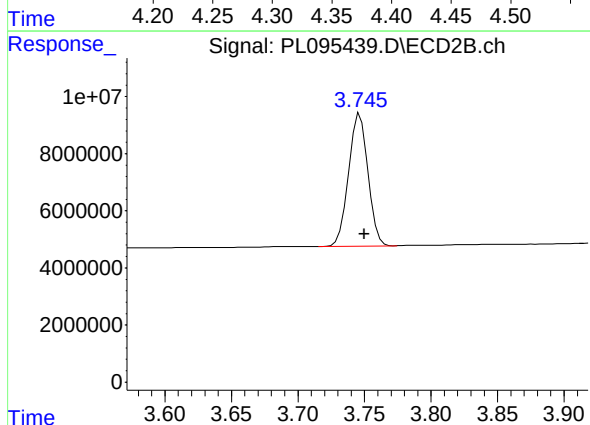
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 53354812
Conc: 11.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

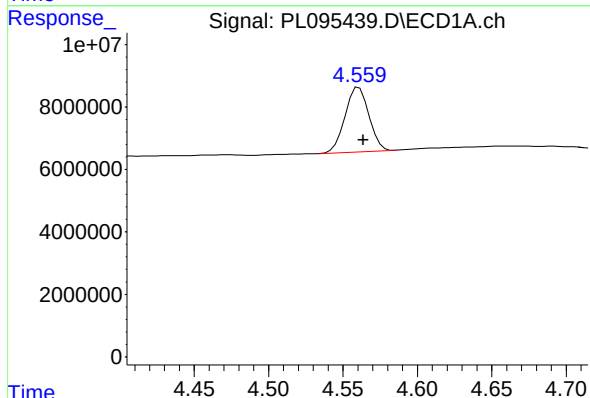
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



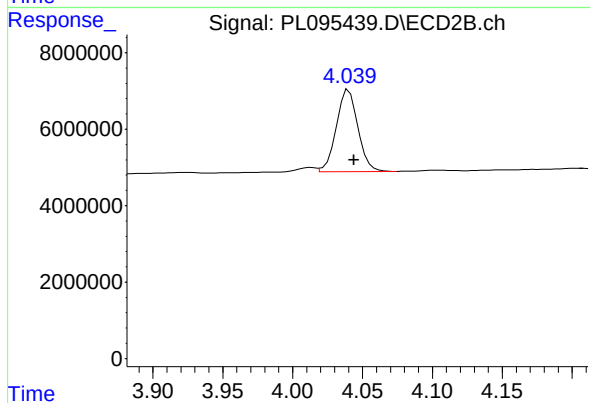
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47186291
Conc: 10.73 ng/ml



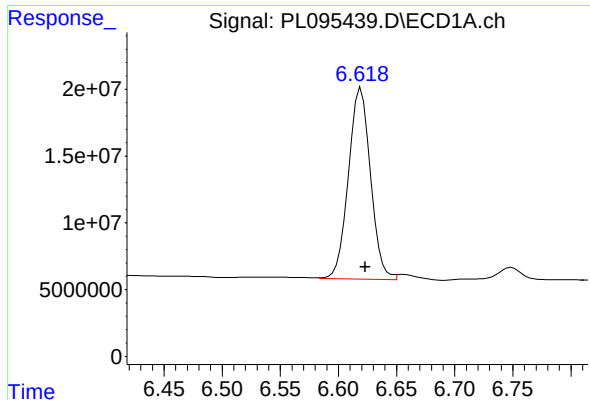
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.003 min
Response: 23140770
Conc: 11.19 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 23104520
Conc: 11.13 ng/ml



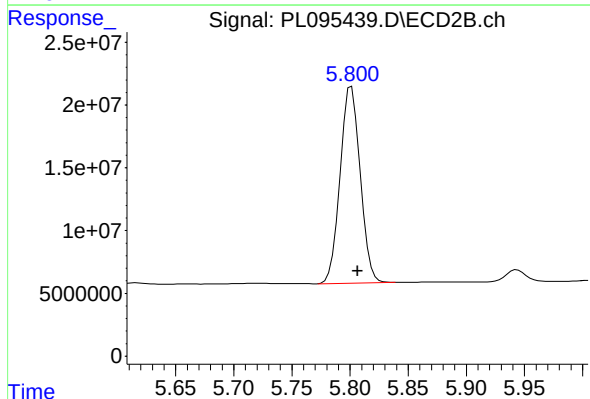
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 188623186
Conc: 59.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

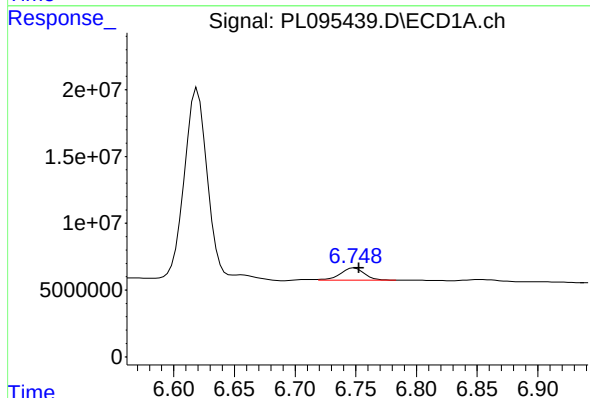
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



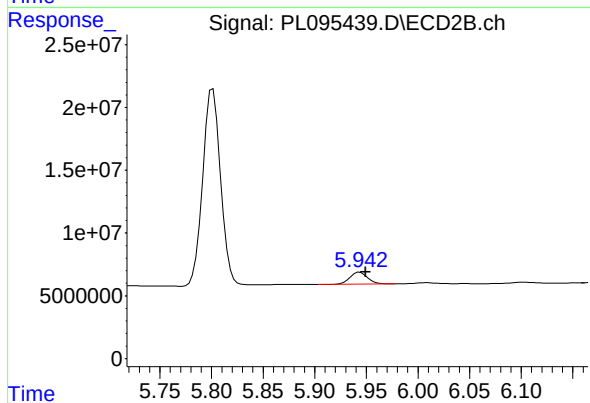
#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.005 min
Response: 188510661
Conc: 51.78 ng/ml



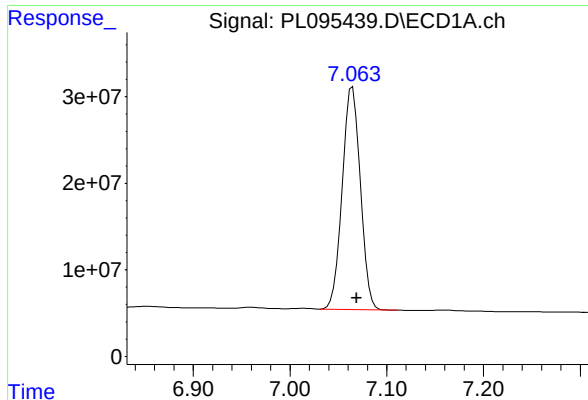
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 12797611
Conc: 4.52 ng/ml m



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 11122240
Conc: 3.40 ng/ml



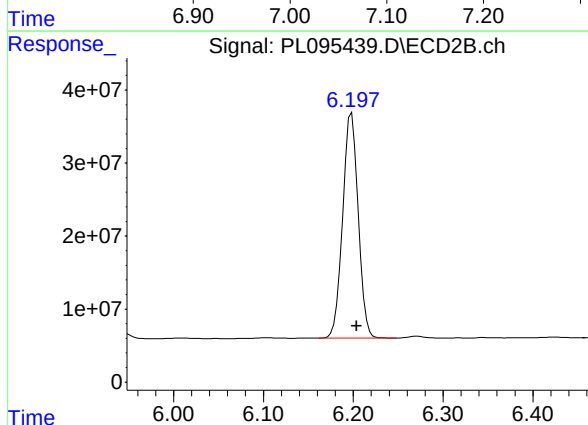
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 334394455
Conc: 117.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

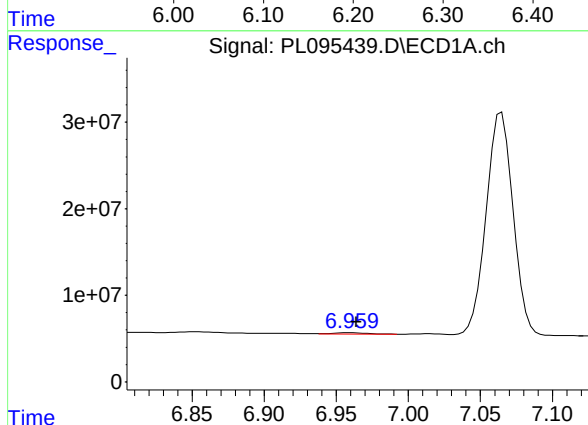
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



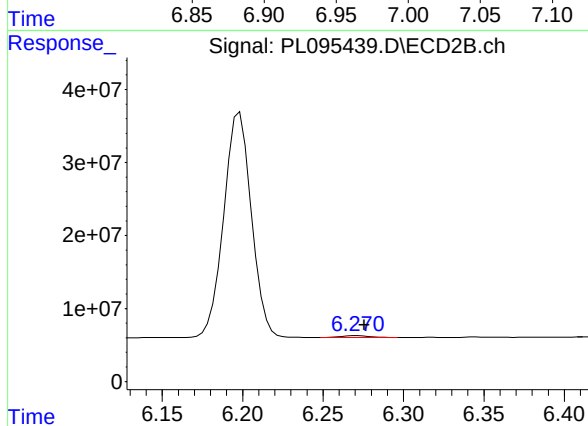
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 368637048
Conc: 107.28 ng/ml



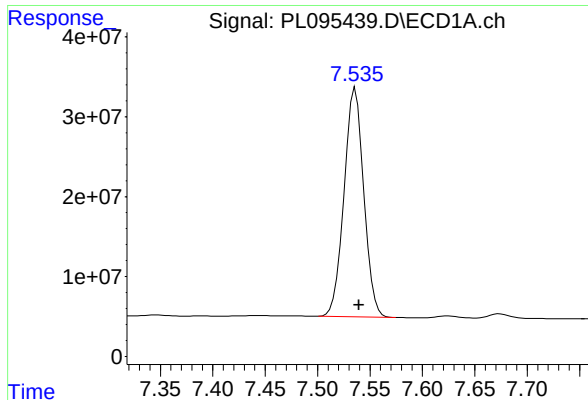
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 2168254
Conc: 0.93 ng/ml m



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 2888600
Conc: 1.11 ng/ml m



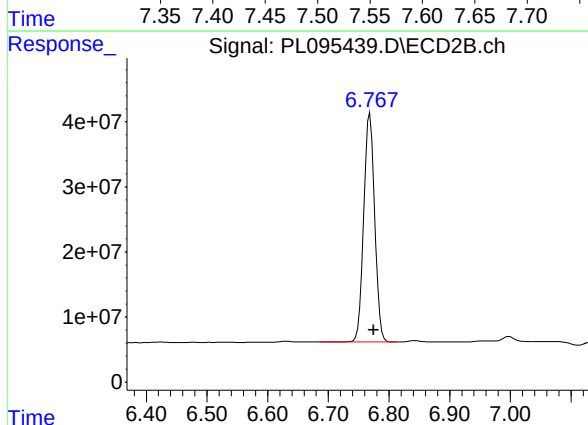
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 375987716
Conc: 269.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

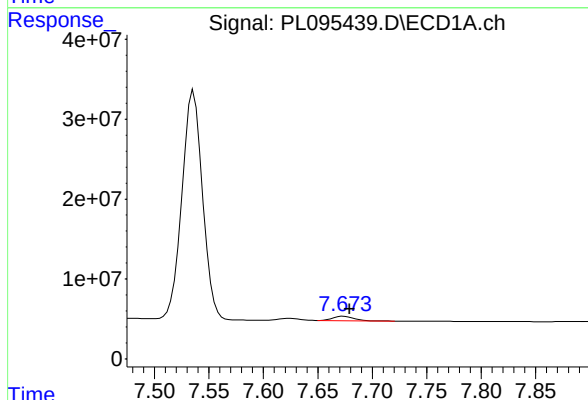
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



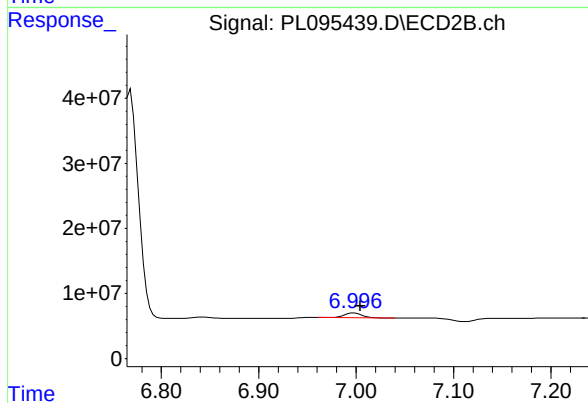
#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 440409813
Conc: 230.89 ng/ml



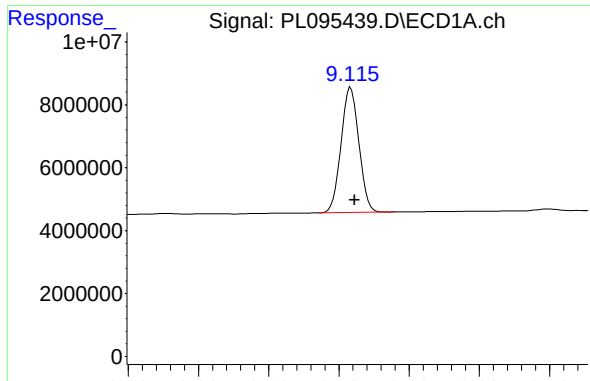
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 7348526
Conc: 2.58 ng/ml



#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.007 min
Response: 8581872
Conc: 2.44 ng/ml



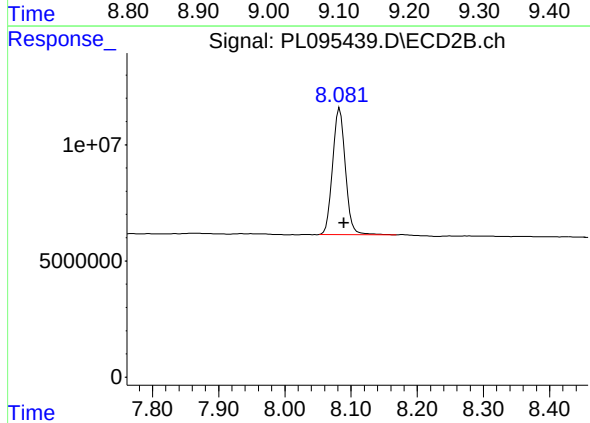
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.006 min
Response: 70253388
Conc: 25.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 72725496
Conc: 24.58 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1883** SAS No.: **Q1883** SDG NO.: **Q1883**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095474.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:38**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.118	9.020	9.220	25.490	20.000	27.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.620	20.000	13.1
alpha-BHC	4.044	3.990	4.090	11.130	10.000	11.3
beta-BHC	4.562	4.510	4.610	11.240	10.000	12.4
gamma-BHC (Lindane)	4.375	4.320	4.430	11.360	10.000	13.6
Endrin	6.621	6.550	6.690	56.870	50.000	13.7
4,4'-DDT	7.066	7.000	7.140	112.730	100.000	12.7
Methoxychlor	7.537	7.470	7.610	257.830	250.000	3.1

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/23/2025** **04/23/2025**

Client Sample No. (PEM): **PEM - PL095474.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:38**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.082	7.980	8.180	24.570	20.000	22.9
Tetrachloro-m-xylene	2.904	2.850	2.950	21.880	20.000	9.4
alpha-BHC	3.413	3.360	3.460	11.020	10.000	10.2
beta-BHC	4.039	3.990	4.090	10.820	10.000	8.2
gamma-BHC (Lindane)	3.747	3.700	3.800	10.810	10.000	8.1
Endrin	5.802	5.730	5.870	51.110	50.000	2.2
4,4'-DDT	6.198	6.130	6.270	104.140	100.000	4.1
Methoxychlor	6.769	6.700	6.840	224.730	250.000	-10.1

Data File: PEM
 PL095474.D **Date Acquired** 4/29/2025 12:38
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	181116156.7	194176764.3	13060607.7	Down 6.73
Endrin aldehyde	6.96	2365094.741			
Endrin ketone	7.68	10695512.93			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.80	186094708.4	203012180.7	16917472.3	8.33
Endrin aldehyde #2	6.27	3841643.182			
Endrin ketone #2	7.00	13075829.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	321126306.2	341884840.1	20758533.9	6.07
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	20758533.87			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.20	357832572	376845447.3	19012875.3	5.05
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	19012875.34			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 12:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/30/2025
 Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:55:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.594	2.904	73847433	69558881	22.620	21.876
2) SA Decachlor...	9.118	8.082	70631713	72706466	25.491	24.569
Target Compounds						
2) A alpha-BHC	4.044	3.413	55114385	49020442	11.126	11.019
3) MA gamma-BHC...	4.375	3.747	53756465	47560250	11.355m	10.814
6) B beta-BHC	4.562	4.039	23240504	22470307	11.241	10.825m
14) MA Endrin	6.621	5.802	181.1E6	186.1E6	56.870	51.115
16) A 4,4'-DDD	6.751	5.944	20758534	19012875	7.333	5.820
17) MA 4,4'-DDT	7.066	6.198	321.1E6	357.8E6	112.732	104.137
18) B Endrin al...	6.960	6.270	2365095	3841643	1.019m	1.470m#
20) A Methoxychlor	7.537	6.769	359.7E6	428.6E6	257.826	224.726
21) B Endrin ke...	7.676	6.999	10695513	13075829	3.752	3.713

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

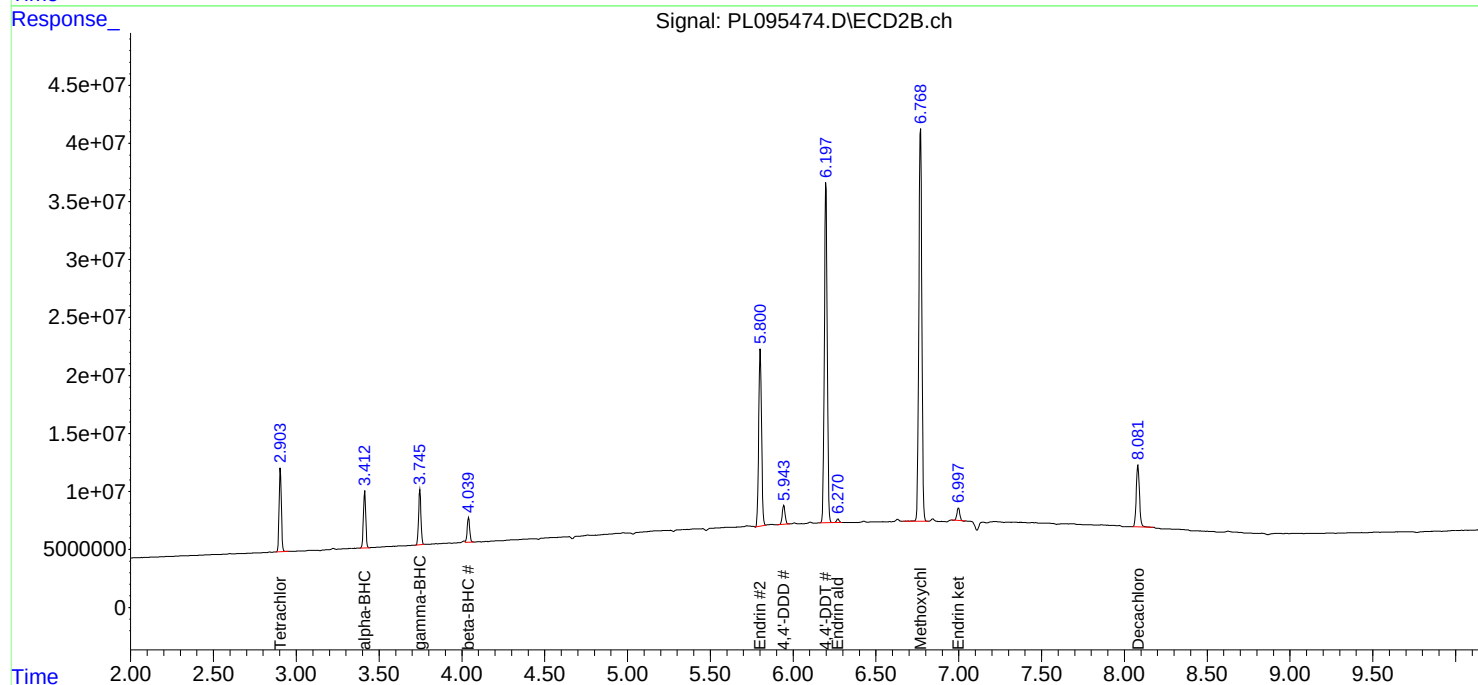
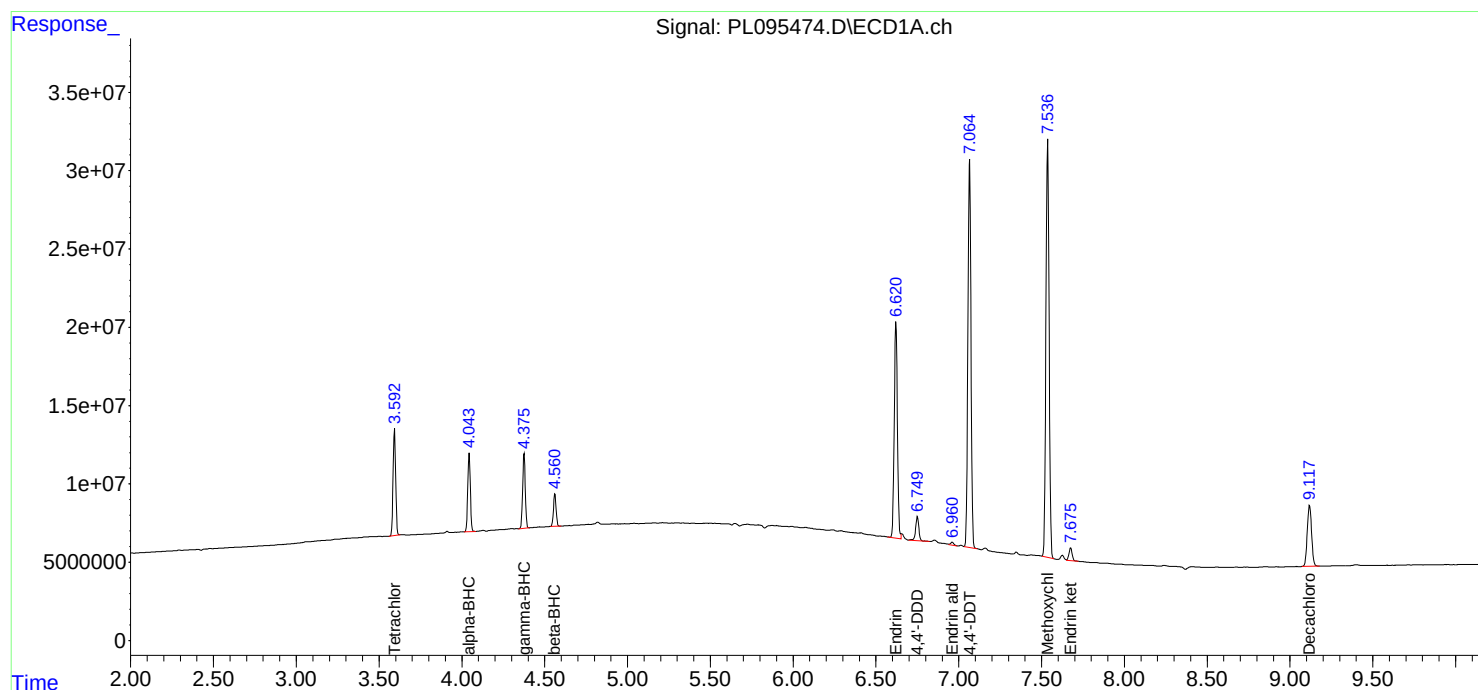
Instrument :
ECD_L
ClientSampleId :
PEM

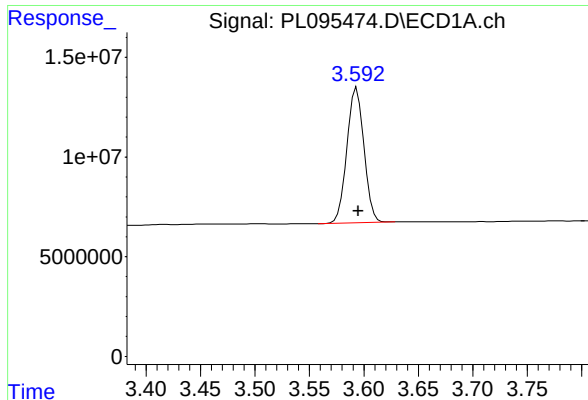
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/30/2025
Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





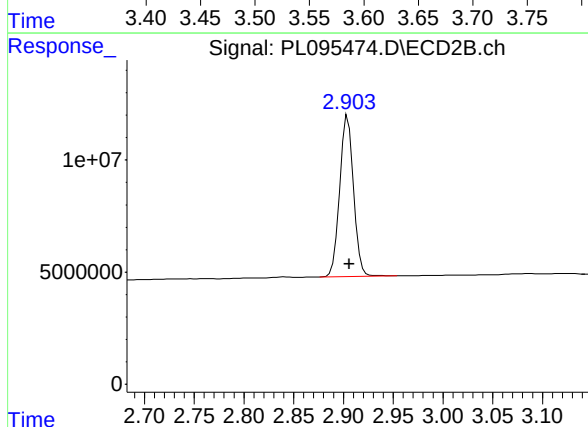
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: -0.002 min
Response: 73847433
Conc: 22.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

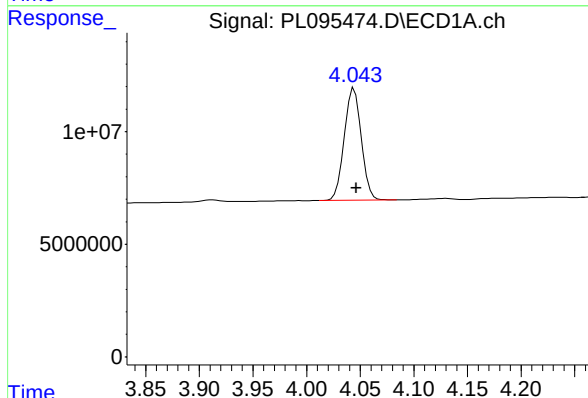
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



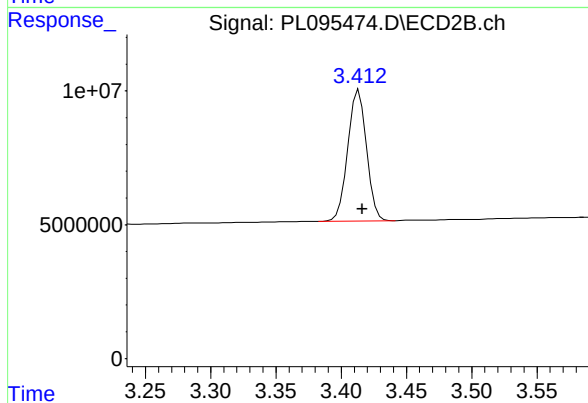
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 69558881
Conc: 21.88 ng/ml



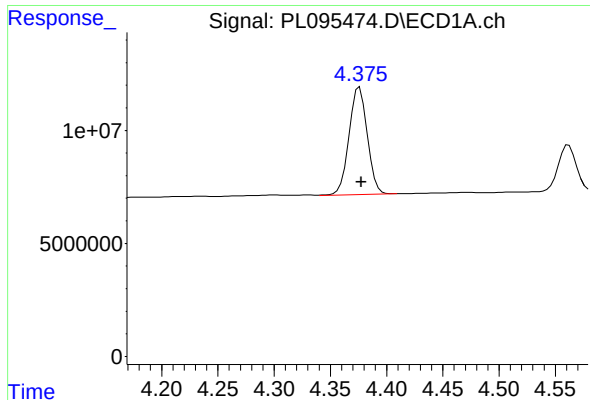
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 55114385
Conc: 11.13 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 49020442
Conc: 11.02 ng/ml



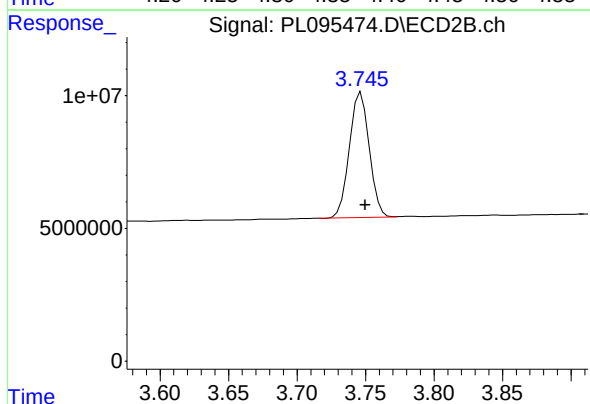
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 53756465
Conc: 11.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

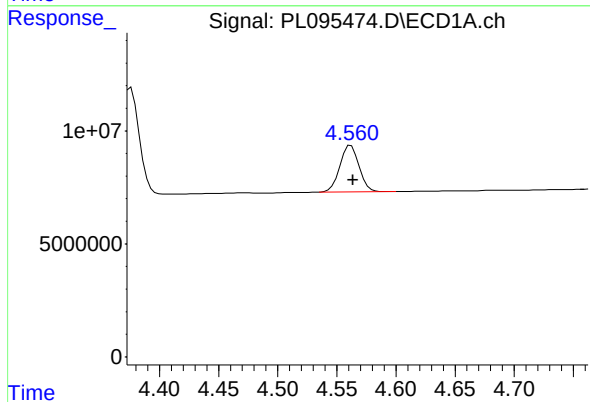
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



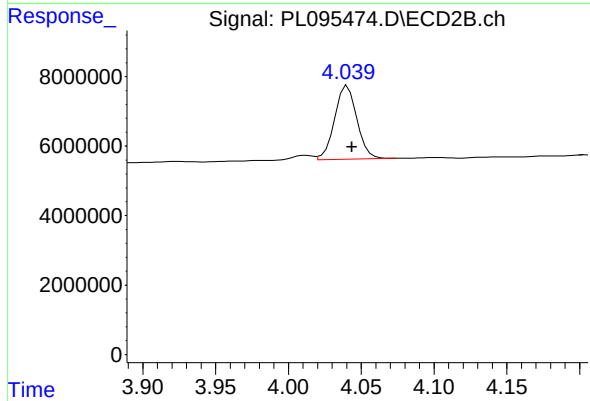
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47560250
Conc: 10.81 ng/ml



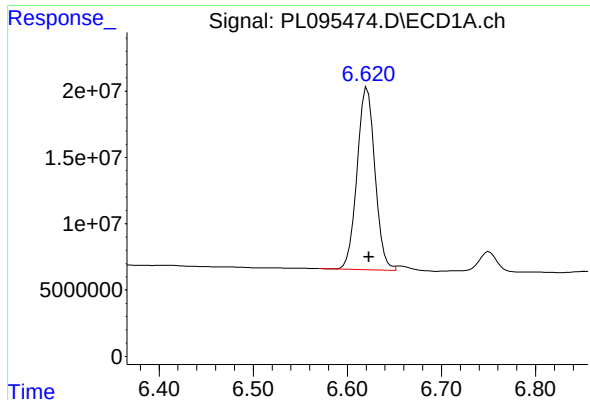
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 23240504
Conc: 11.24 ng/ml



#6 beta-BHC

R.T.: 4.039 min
Delta R.T.: -0.005 min
Response: 22470307
Conc: 10.82 ng/ml m



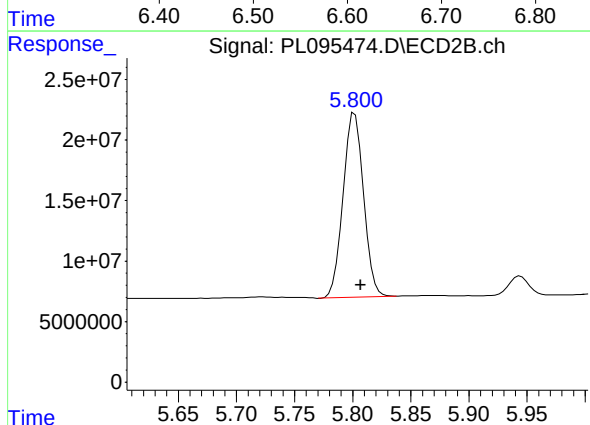
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 181116157
Conc: 56.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

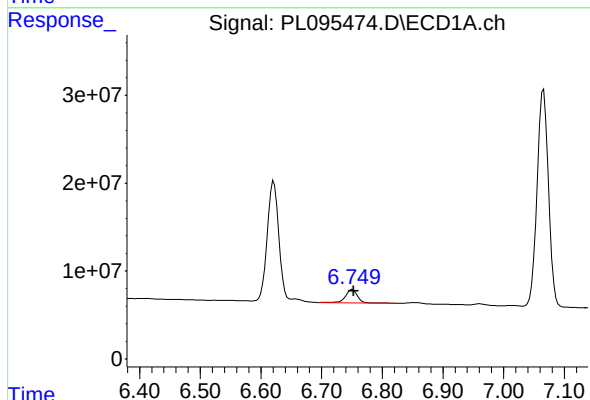
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



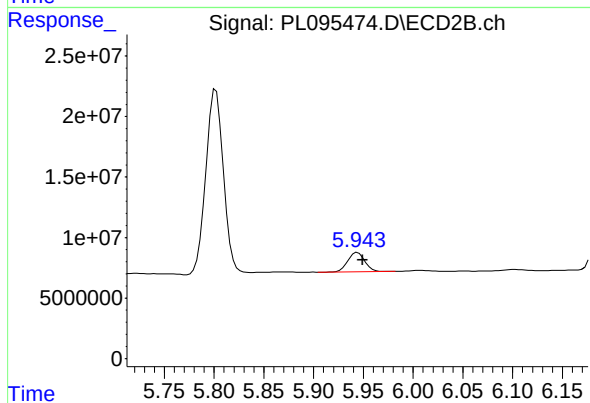
#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 186094708
Conc: 51.11 ng/ml



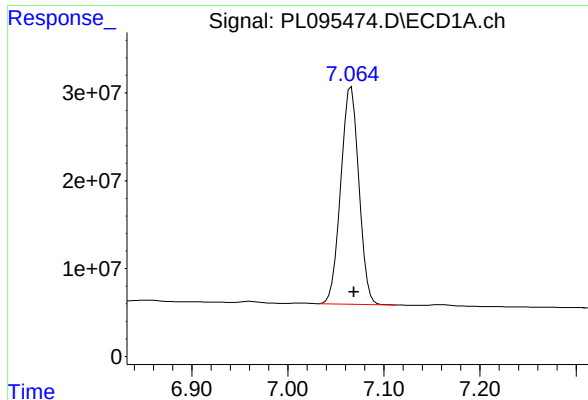
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 20758534
Conc: 7.33 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.005 min
Response: 19012875
Conc: 5.82 ng/ml



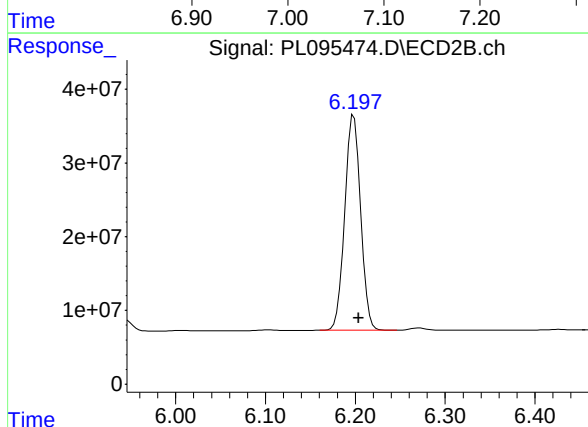
#17 4,4'-DDT

R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 321126306
Conc: 112.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

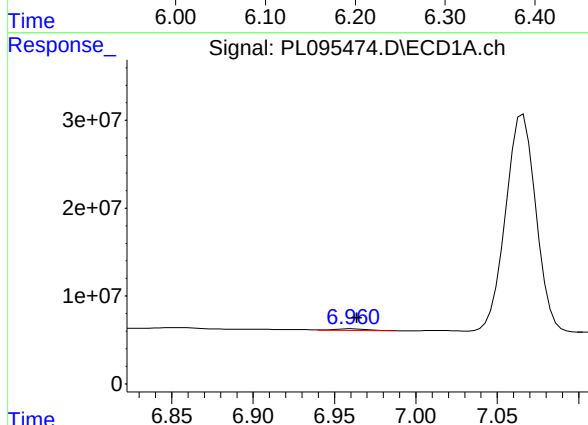
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



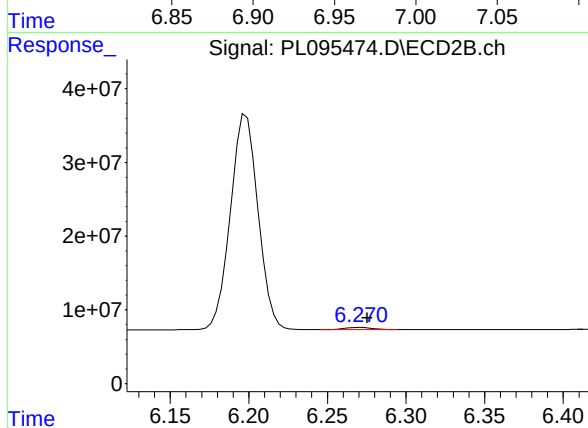
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 357832572
Conc: 104.14 ng/ml



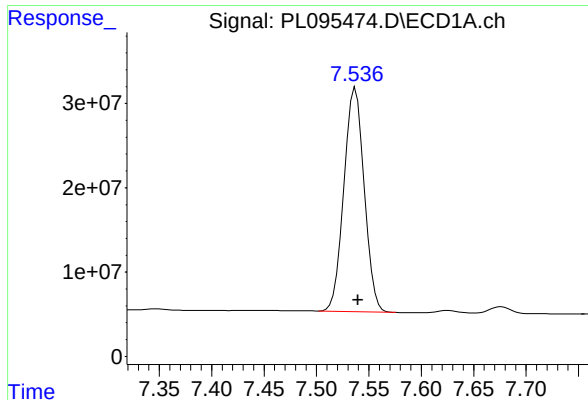
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 2365095
Conc: 1.02 ng/ml m



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 3841643
Conc: 1.47 ng/ml m



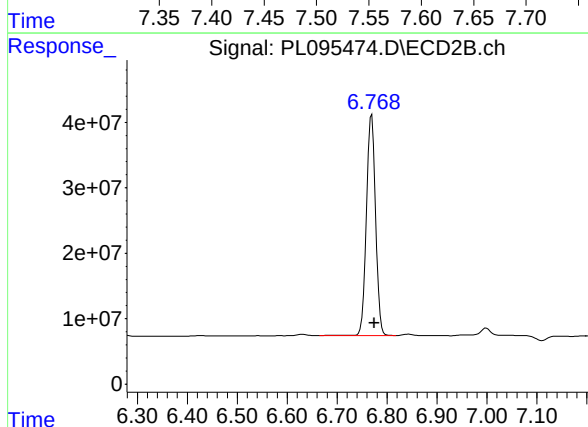
#20 Methoxychlor

R.T.: 7.537 min
Delta R.T.: -0.002 min
Response: 359700476
Conc: 257.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

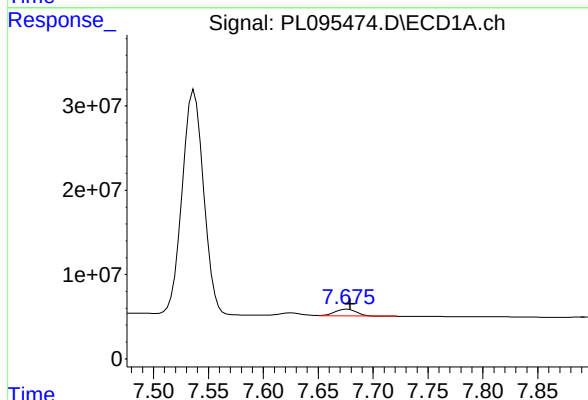
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



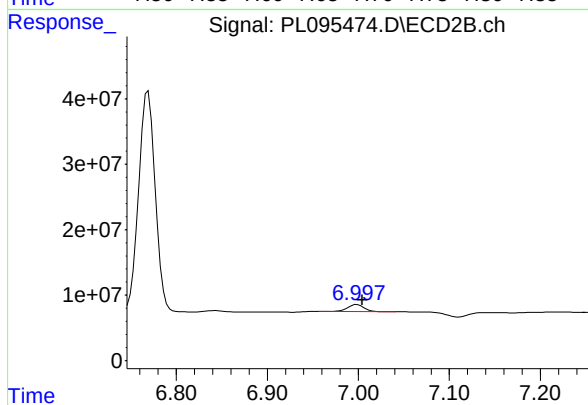
#20 Methoxychlor

R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 428648212
Conc: 224.73 ng/ml



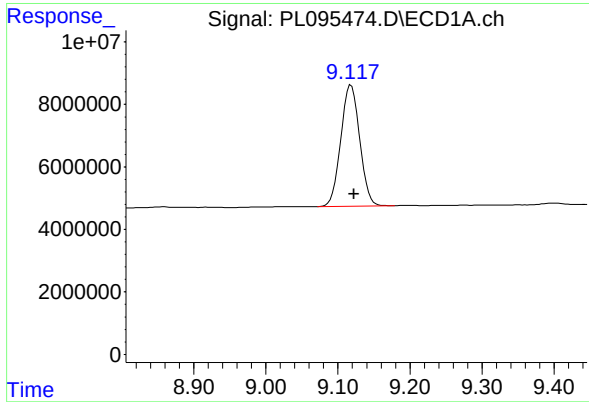
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 10695513
Conc: 3.75 ng/ml



#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 13075829
Conc: 3.71 ng/ml



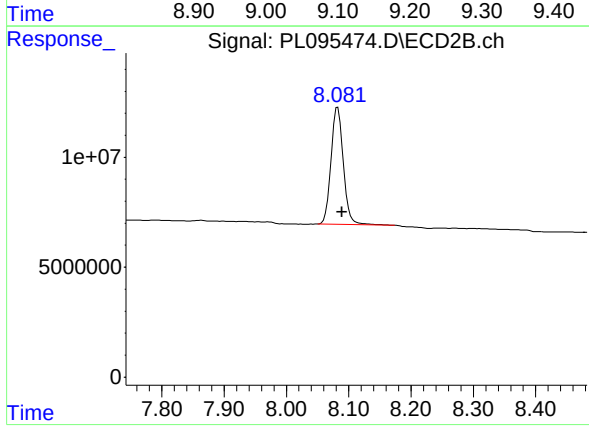
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 70631713
Conc: 25.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 72706466
Conc: 24.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Acq On : 23 Apr 2025 11:18
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\PL042325.M
Title : GC Extractables
Last Update : Wed Apr 23 14:07:39 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.594	5.992	100.00%
5.992	6.122	100.00%
6.122	6.242	100.00%
6.242	6.395	100.00%
6.395	7.197	100.00%
7.197	7.539	100.00%
7.539	7.678	100.00%
7.678	9.122	100.00%

Signal #2

2.906	5.145	100.00%
5.145	5.266	100.00%
5.266	5.397	100.00%
5.397	5.531	100.00%
5.531	6.498	100.00%
6.498	6.775	100.00%
6.775	7.004	100.00%
7.004	8.089	100.00%

PL042325.M Wed Apr 23 14:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:18
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.906	62004694	61272348	18.993	19.270
28) SA Decachlor...	9.122	8.089	53403082	56912207	19.273	19.232
Target Compounds						
9) A Endosulfan I	6.122	5.266	32613312	32263148	8.588	8.814
10) B gamma-Chl...	5.992	5.144	37114775	37866092	9.098	9.343m
12) B 4,4'-DDE	6.242	5.397	74307748	78460494	18.953	19.292
13) MA Dieldrin	6.395	5.531	71017950	76605618	18.423	18.836
19) B Endosulfa...	7.197	6.498	53082691	63329750	18.946	19.087
20) A Methoxychlor	7.539	6.775	125.8E6	173.2E6	90.164	90.816
21) B Endrin ke...	7.678	7.004	53522821	65934818	18.774	18.725

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

RESCHK

Manual Integrations

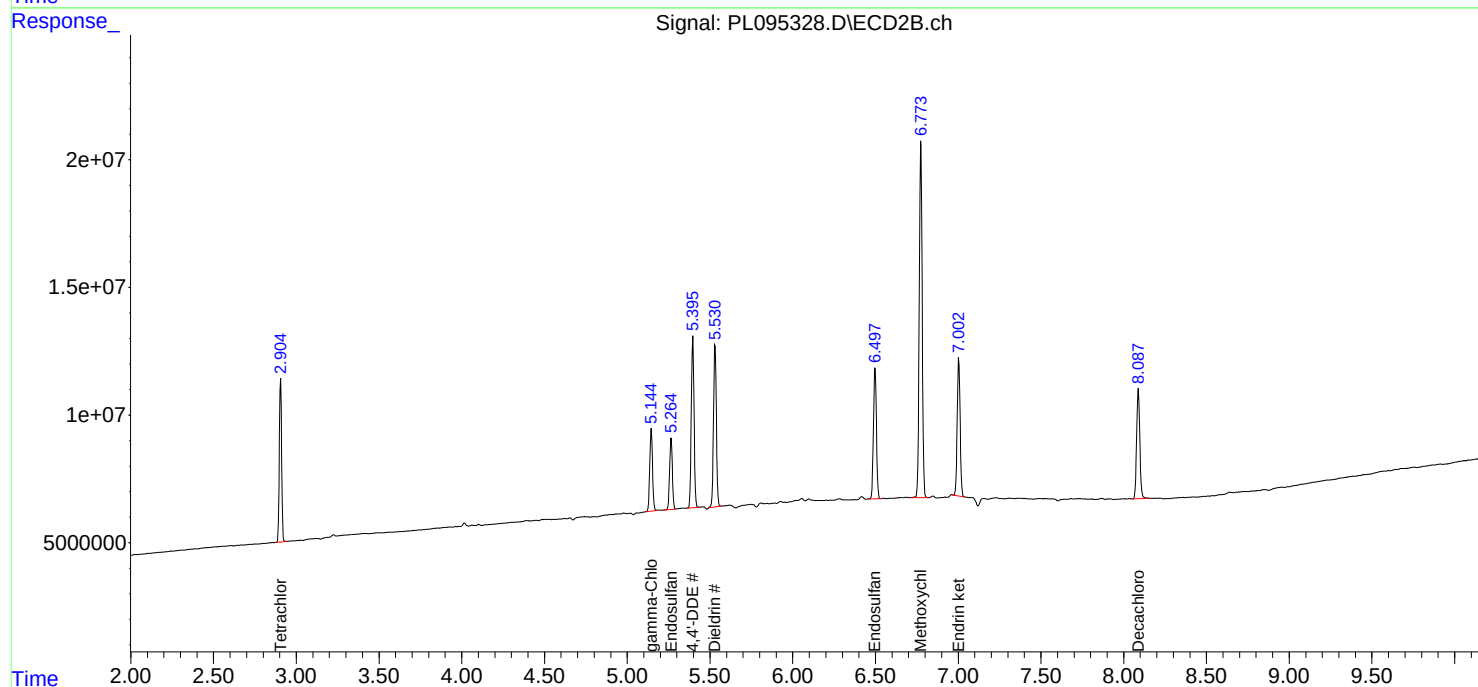
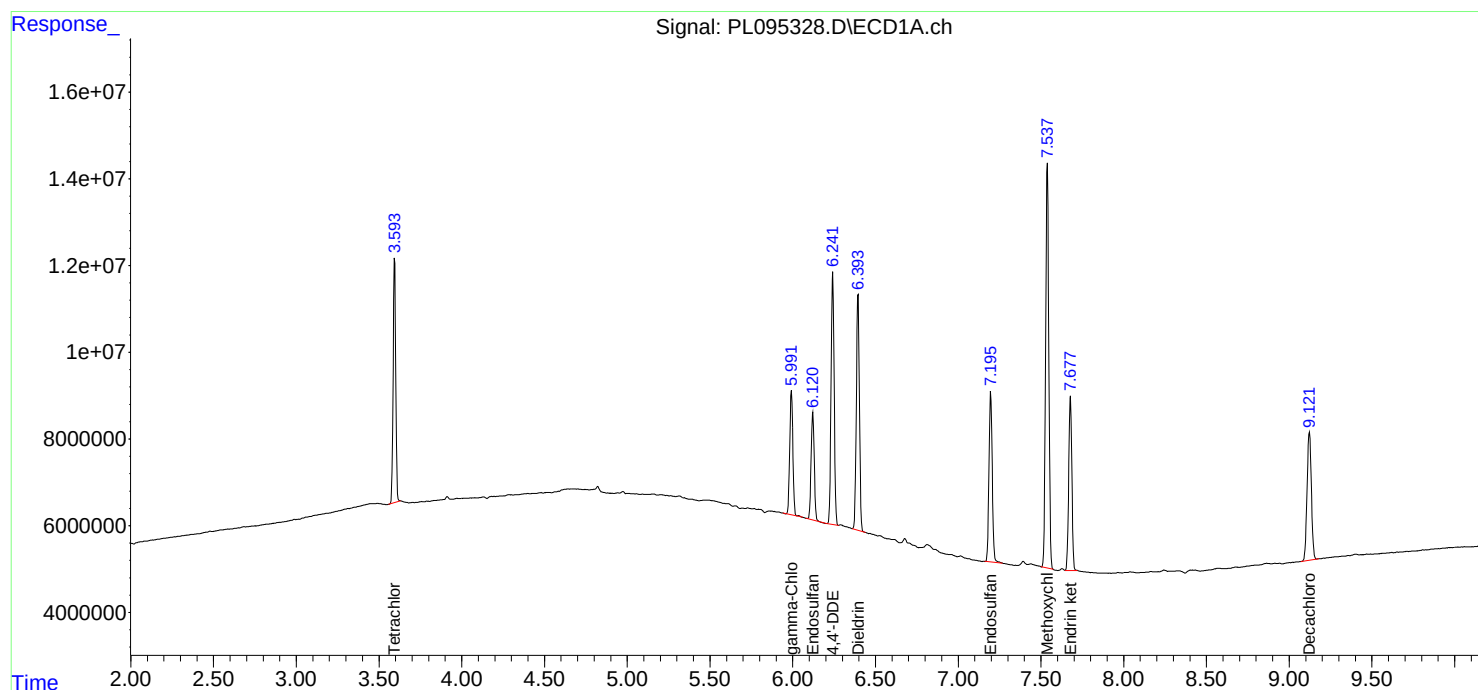
APPROVED

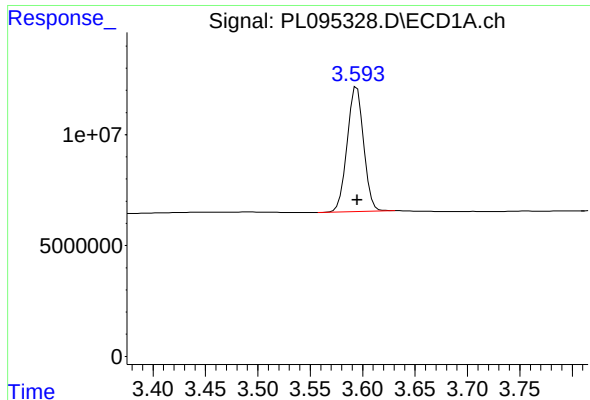
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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





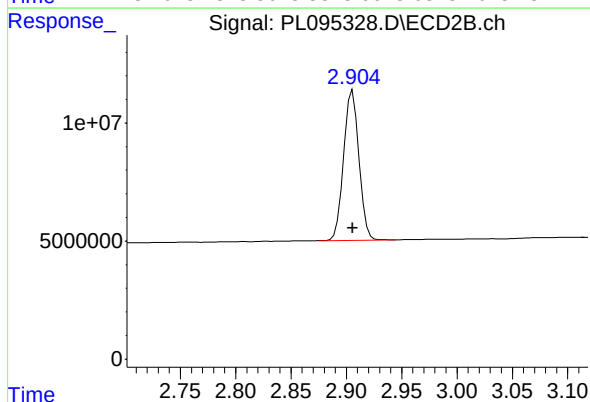
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 62004694
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

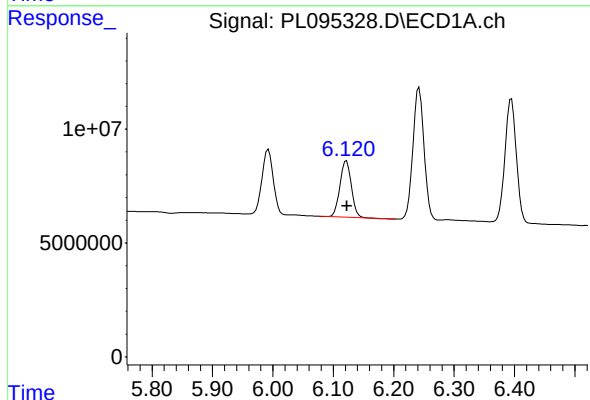
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



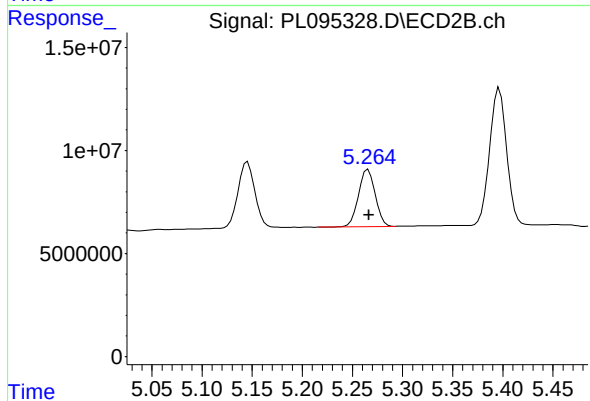
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 61272348
Conc: 19.27 ng/ml



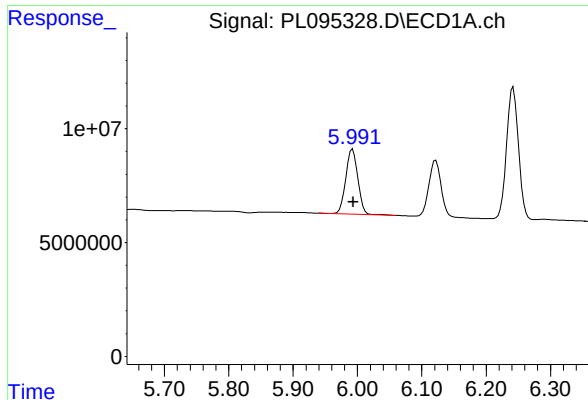
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 32613312
Conc: 8.59 ng/ml



#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 32263148
Conc: 8.81 ng/ml



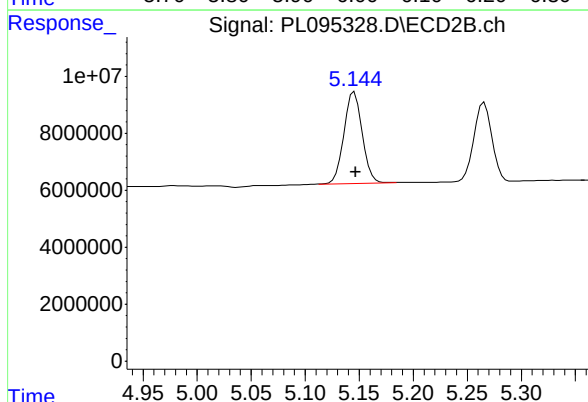
#10 gamma-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.001 min
Response: 37114775
Conc: 9.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

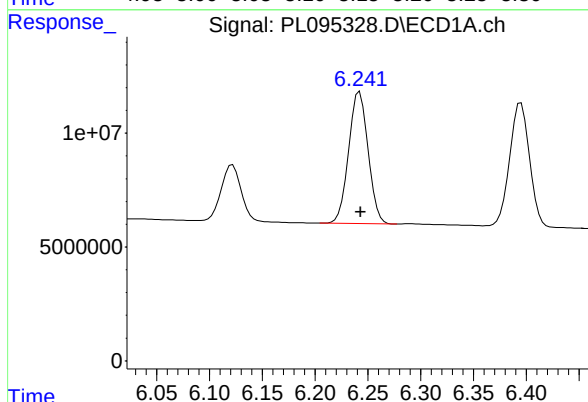
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



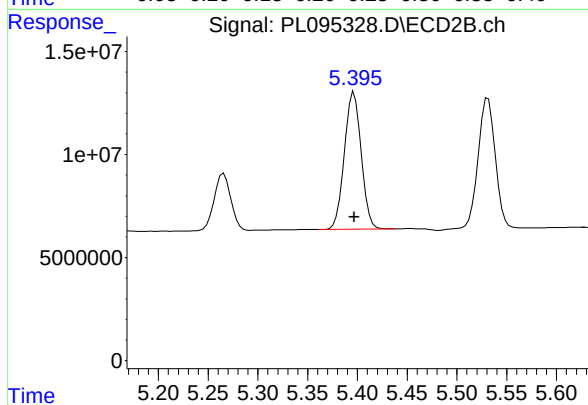
#10 gamma-Chlordane

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 37866092
Conc: 9.34 ng/ml



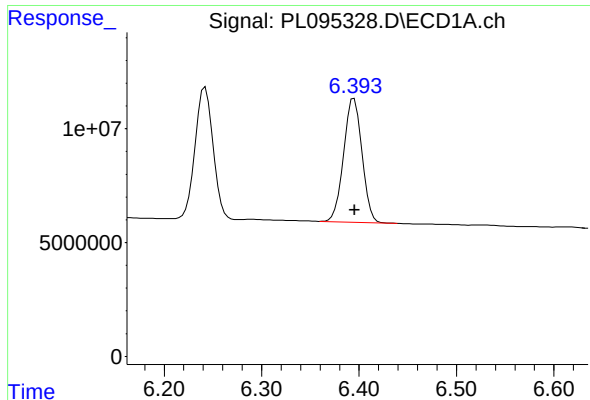
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 74307748
Conc: 18.95 ng/ml



#12 4,4'-DDE

R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 78460494
Conc: 19.29 ng/ml



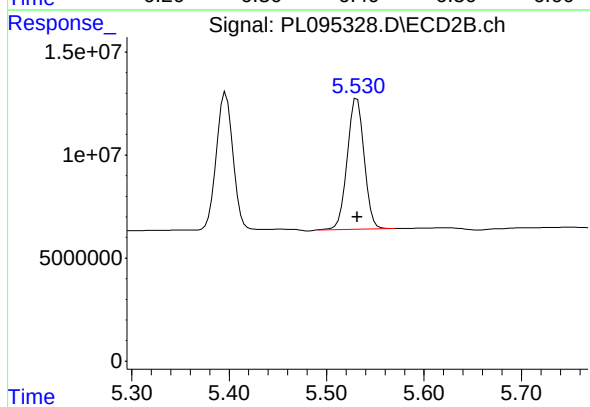
#13 Dieldrin

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 71017950
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

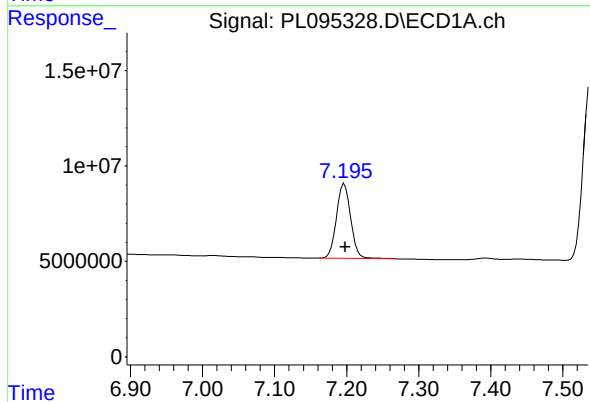
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



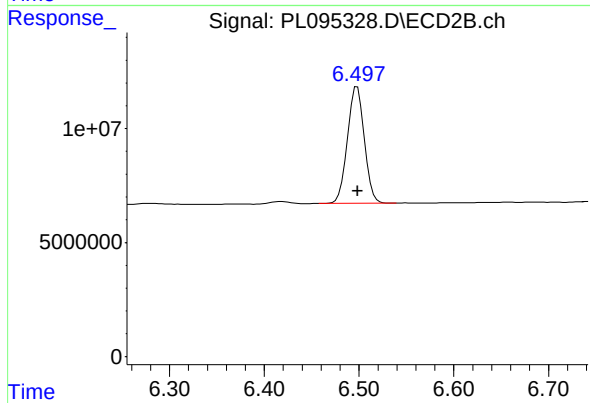
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 76605618
Conc: 18.84 ng/ml



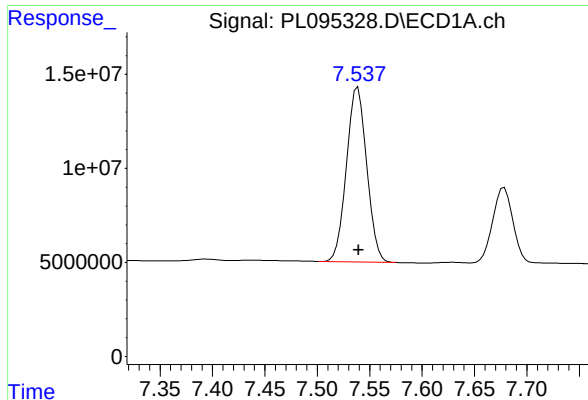
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: -0.001 min
Response: 53082691
Conc: 18.95 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 63329750
Conc: 19.09 ng/ml



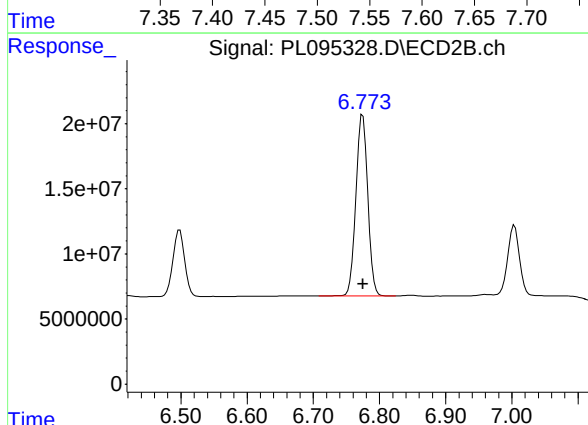
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 125791271
Conc: 90.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

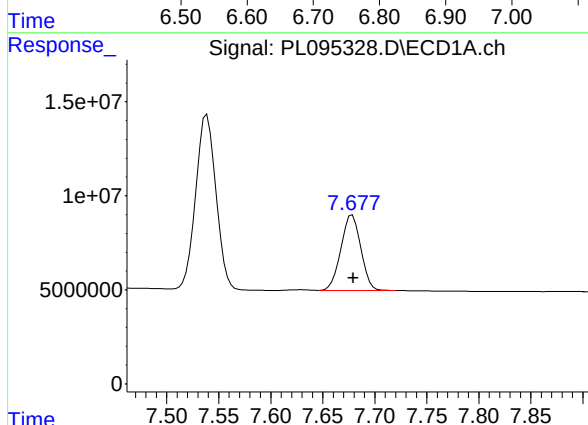
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



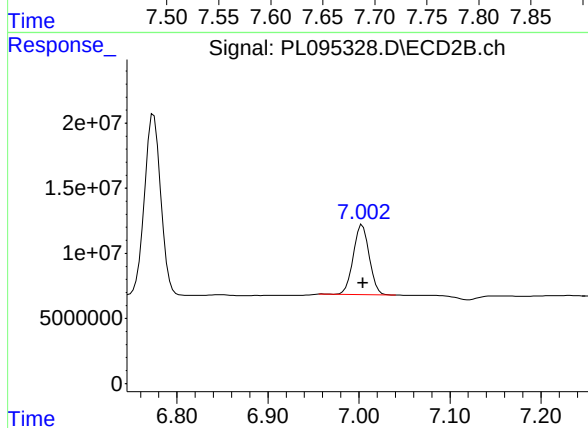
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 173224939
Conc: 90.82 ng/ml



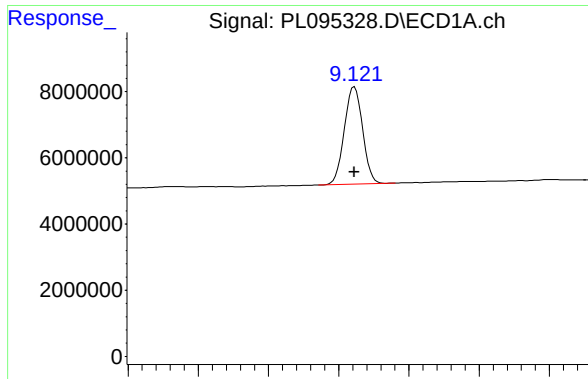
#21 Endrin ketone

R.T.: 7.678 min
Delta R.T.: 0.000 min
Response: 53522821
Conc: 18.77 ng/ml



#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 65934818
Conc: 18.72 ng/ml



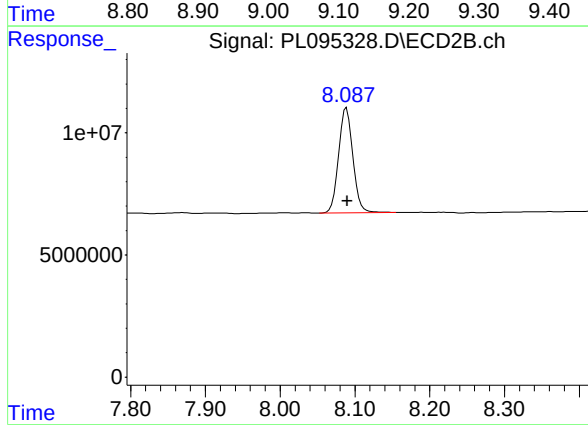
#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 53403082
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 56912207
Conc: 19.23 ng/ml

Analytical Sequence

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025

04/23/2025

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	04/23/2025	10:50	PL095326.D	9.12	3.59
PEM	PEM	04/23/2025	11:04	PL095327.D	9.12	3.59
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	9.12	3.59
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	9.12	3.60
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	9.12	3.60
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	9.12	3.60
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	9.12	3.60
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	9.12	3.60
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	9.12	3.60
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	9.12	3.59
IBLK	IBLK	04/28/2025	15:33	PL095438.D	9.13	3.60
PEM	PEM	04/28/2025	15:47	PL095439.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/28/2025	16:01	PL095440.D	9.12	3.59
PB167766BS	PB167766BS	04/28/2025	16:49	PL095442.D	9.12	3.59
COMP-1MS	Q1889-01MS	04/28/2025	17:22	PL095444.D	9.12	3.59
COMP-1MSD	Q1889-01MSD	04/28/2025	17:36	PL095445.D	9.12	3.59
IBLK	IBLK	04/28/2025	18:45	PL095450.D	9.11	3.59
PSTDCCC050	PSTDCCC050	04/28/2025	18:58	PL095451.D	9.11	3.59
IBLK	IBLK	04/29/2025	12:25	PL095473.D	9.12	3.59
PEM	PEM	04/29/2025	12:38	PL095474.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/29/2025	13:07	PL095475.D	9.12	3.59
PB167766BL	PB167766BL	04/29/2025	14:42	PL095478.D	9.12	3.60
OU4-PCS-TC-27-042325	Q1883-01	04/29/2025	16:38	PL095482.D	9.12	3.60
IBLK	IBLK	04/29/2025	16:52	PL095483.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/29/2025	17:42	PL095484.D	9.12	3.60
OU4-PCS-TC-28-042325	Q1883-03	04/29/2025	19:29	PL095487.D	9.12	3.59
OU4-PCS-TC-29-042325	Q1883-05	04/29/2025	19:43	PL095488.D	9.12	3.59
OU4-PCS-TC-30-042325	Q1883-07	04/29/2025	19:56	PL095489.D	9.12	3.59
OU4-PCS-TC-31-042325	Q1883-09	04/29/2025	20:10	PL095490.D	9.12	3.59
OU4-PCS-TC-32-042325	Q1883-11	04/29/2025	20:24	PL095491.D	9.12	3.59
OU4-VSL-18-042325	Q1883-13	04/29/2025	20:38	PL095492.D	9.12	3.59
OU4-VSL-19-042325	Q1883-15	04/29/2025	20:51	PL095493.D	9.12	3.59
IBLK	IBLK	04/29/2025	21:05	PL095494.D	9.12	3.59
PSTDCCC050	PSTDCCC050	04/29/2025	21:19	PL095495.D	9.12	3.59

Analytical Sequence

Client: Nobis Group

SDG No.: Q1883

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/23/2025

04/23/2025

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	04/23/2025	10:50	PL095326.D	8.09	2.91
PEM	PEM	04/23/2025	11:04	PL095327.D	8.09	2.91
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	8.09	2.91
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	8.09	2.91
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	8.09	2.91
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	8.09	2.91
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	8.09	2.91
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	8.09	2.91
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	8.09	2.91
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	8.09	2.91
IBLK	IBLK	04/28/2025	15:33	PL095438.D	8.09	2.90
PEM	PEM	04/28/2025	15:47	PL095439.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/28/2025	16:01	PL095440.D	8.08	2.90
PB167766BS	PB167766BS	04/28/2025	16:49	PL095442.D	8.08	2.90
COMP-1MS	Q1889-01MS	04/28/2025	17:22	PL095444.D	8.08	2.90
COMP-1MSD	Q1889-01MSD	04/28/2025	17:36	PL095445.D	8.08	2.90
IBLK	IBLK	04/28/2025	18:45	PL095450.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/28/2025	18:58	PL095451.D	8.08	2.90
IBLK	IBLK	04/29/2025	12:25	PL095473.D	8.08	2.90
PEM	PEM	04/29/2025	12:38	PL095474.D	8.08	2.90
PSTDCCC050	PSTDCCC050	04/29/2025	13:07	PL095475.D	8.08	2.90
PB167766BL	PB167766BL	04/29/2025	14:42	PL095478.D	8.08	2.91
OU4-PCS-TC-27-042325	Q1883-01	04/29/2025	16:38	PL095482.D	8.08	2.91
IBLK	IBLK	04/29/2025	16:52	PL095483.D	8.08	2.91
PSTDCCC050	PSTDCCC050	04/29/2025	17:42	PL095484.D	8.08	2.91
OU4-PCS-TC-28-042325	Q1883-03	04/29/2025	19:29	PL095487.D	8.09	2.91
OU4-PCS-TC-29-042325	Q1883-05	04/29/2025	19:43	PL095488.D	8.08	2.91
OU4-PCS-TC-30-042325	Q1883-07	04/29/2025	19:56	PL095489.D	8.08	2.91
OU4-PCS-TC-31-042325	Q1883-09	04/29/2025	20:10	PL095490.D	8.08	2.91
OU4-PCS-TC-32-042325	Q1883-11	04/29/2025	20:24	PL095491.D	8.08	2.91
OU4-VSL-18-042325	Q1883-13	04/29/2025	20:38	PL095492.D	8.08	2.91
OU4-VSL-19-042325	Q1883-15	04/29/2025	20:51	PL095493.D	8.08	2.91
IBLK	IBLK	04/29/2025	21:05	PL095494.D	8.08	2.91
PSTDCCC050	PSTDCCC050	04/29/2025	21:19	PL095495.D	8.08	2.91

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1883

SAS No.: Q1883

SDG NO.: Q1883

Lab Sample ID: Q1889-01MS

Date(s) Analyzed: 04/28/2025

04/28/2025

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 aldehyde	1	6.96	6.91	7.01	21.5	5.7
	2	6.27	6.22	6.32	20.3	
Endosulfan sulfate	1	7.19	7.14	7.24	21.5	7.2
	2	6.49	6.44	6.54	20.0	
Methoxychlor	1	7.54	7.49	7.59	20.4	6.6
	2	6.77	6.72	6.82	19.1	
Endrin ketone	1	7.67	7.62	7.72	21.9	3.6
	2	7.00	6.95	7.05	22.7	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	20.1	2.9
	2	3.75	3.70	3.80	20.7	
Heptachlor	1	4.97	4.92	5.02	19.6	1
	2	4.10	4.05	4.15	19.8	
delta-BHC	1	4.81	4.76	4.86	20.1	2
	2	4.28	4.23	4.33	20.5	
Heptachlor epoxide	1	5.74	5.69	5.79	20.6	2
	2	4.89	4.84	4.94	20.2	
Endosulfan I	1	6.12	6.07	6.17	21.0	2.9
	2	5.26	5.21	5.31	20.4	
gamma-Chlordane	1	5.99	5.94	6.04	21.1	4.9
	2	5.14	5.09	5.19	20.1	
Dieldrin	1	6.39	6.34	6.44	21.2	6.3
	2	5.53	5.48	5.58	19.9	
Endrin	1	6.62	6.57	6.67	21.2	7.8
	2	5.80	5.75	5.85	19.6	
alpha-BHC	1	4.04	3.99	4.09	20.1	4.9
	2	3.41	3.36	3.46	21.1	
Aldrin	1	5.31	5.26	5.36	20.1	1
	2	4.39	4.34	4.44	20.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1883

SAS No.: Q1883

SDG NO.: Q1883

Lab Sample ID: Q1889-01MS

Date(s) Analyzed: 04/28/2025

04/28/2025

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		
beta-BHC	1	4.56	4.51	4.61	19.7	2
	2	4.04	3.99	4.09	20.1	
alpha-Chlordane	1	6.07	6.02	6.12	20.9	3.4
	2	5.21	5.16	5.26	20.2	
4,4'-DDE	1	6.24	6.19	6.29	21.1	5.4
	2	5.39	5.34	5.44	20.0	
Endosulfan II	1	6.83	6.78	6.88	22.1	6.1
	2	6.09	6.04	6.14	20.8	
4,4'-DDD	1	6.75	6.70	6.80	23.1	12.4
	2	5.94	5.89	5.99	20.4	
4,4'-DDT	1	7.06	7.01	7.11	21.3	7.8
	2	6.20	6.15	6.25	19.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MSD

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1883

SAS No.: Q1883

SDG NO.: Q1883

Lab Sample ID: Q1889-01MSD

Date(s) Analyzed: 04/28/2025

04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.83	6.78	6.88	21.8	6.6
	2	6.09	6.04	6.14	20.4	
4,4'-DDD	1	6.75	6.70	6.80	22.8	12.1
	2	5.94	5.89	5.99	20.2	
4,4'-DDT	1	7.06	7.01	7.11	20.9	6.9
	2	6.20	6.15	6.25	19.5	
Endrin aldehyde	1	6.96	6.91	7.01	21.5	5.7
	2	6.27	6.22	6.32	20.3	
Endosulfan sulfate	1	7.19	7.14	7.24	21.4	5.8
	2	6.49	6.44	6.54	20.2	
alpha-BHC	1	4.04	3.99	4.09	19.9	4.9
	2	3.41	3.36	3.46	20.9	
Aldrin	1	5.31	5.26	5.36	19.9	1
	2	4.39	4.34	4.44	20.1	
beta-BHC	1	4.56	4.51	4.61	19.4	1.5
	2	4.04	3.99	4.09	19.7	
delta-BHC	1	4.81	4.76	4.86	19.9	2
	2	4.28	4.23	4.33	20.3	
Endosulfan I	1	6.12	6.07	6.17	20.8	2.9
	2	5.26	5.21	5.31	20.2	
alpha-Chlordane	1	6.07	6.02	6.12	20.6	3
	2	5.21	5.16	5.26	20.0	
4,4'-DDE	1	6.24	6.19	6.29	20.8	4.9
	2	5.39	5.34	5.44	19.8	
Dieldrin	1	6.39	6.34	6.44	21.0	6.9
	2	5.53	5.48	5.58	19.6	
Endrin	1	6.62	6.57	6.67	21.0	8.4
	2	5.80	5.75	5.85	19.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1883

SAS No.: Q1883 SDG NO.: Q1883

Lab Sample ID: Q1889-01MSD

Date(s) Analyzed: 04/28/2025 04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.53	7.48	7.58	20.0	4.1
	2	6.77	6.72	6.82	19.2	
Endrin ketone	1	7.67	7.62	7.72	21.7	4.1
	2	7.00	6.95	7.05	22.6	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	19.9	3
	2	3.75	3.70	3.80	20.5	
Heptachlor	1	4.97	4.92	5.02	19.5	0.5
	2	4.10	4.05	4.15	19.6	
Heptachlor epoxide	1	5.73	5.68	5.78	20.4	2.5
	2	4.89	4.84	4.94	19.9	
gamma-Chlordane	1	5.99	5.94	6.04	20.8	4.9
	2	5.14	5.09	5.19	19.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167766BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1883

SAS No.: Q1883

SDG NO.: Q1883

Lab Sample ID: PB167766BS

Date(s) Analyzed: 04/28/2025

04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.75	6.70	6.80	19.6	9.6
	2	5.94	5.89	5.99	17.8	
4,4'-DDE	1	6.24	6.19	6.29	18.1	5.7
	2	5.39	5.34	5.44	17.1	
4,4'-DDT	1	7.06	7.01	7.11	18.7	10.1
	2	6.20	6.15	6.25	16.9	
alpha-BHC	1	4.04	3.99	4.09	17.3	2.8
	2	3.41	3.36	3.46	17.8	
Aldrin	1	5.31	5.26	5.36	17.4	1.2
	2	4.39	4.34	4.44	17.2	
alpha-Chlordane	1	6.07	6.02	6.12	18.1	4.5
	2	5.21	5.16	5.26	17.3	
Endosulfan II	1	6.83	6.78	6.88	19.0	8.2
	2	6.09	6.04	6.14	17.5	
Endosulfan sulfate	1	7.19	7.14	7.24	18.4	4.4
	2	6.49	6.44	6.54	17.6	
beta-BHC	1	4.56	4.51	4.61	17.0	1.2
	2	4.04	3.99	4.09	17.2	
delta-BHC	1	4.81	4.76	4.86	17.7	0.6
	2	4.28	4.23	4.33	17.6	
Endosulfan I	1	6.12	6.07	6.17	18.1	3.4
	2	5.26	5.21	5.31	17.5	
Dieldrin	1	6.39	6.34	6.44	18.4	7.3
	2	5.53	5.48	5.58	17.1	
Endrin aldehyde	1	6.96	6.91	7.01	19.6	6.3
	2	6.27	6.22	6.32	18.4	
Methoxychlor	1	7.53	7.48	7.58	17.7	11.3
	2	6.77	6.72	6.82	15.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167766BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1883

SAS No.: Q1883

SDG NO.: Q1883

Lab Sample ID: PB167766BS

Date(s) Analyzed: 04/28/2025

04/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.67	7.62	7.72	19.6	0.5
	2	7.00	6.95	7.05	19.5	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.4	1.1
	2	3.75	3.70	3.80	17.6	
Heptachlor	1	4.97	4.92	5.02	16.9	0
	2	4.10	4.05	4.15	16.9	
Heptachlor epoxide	1	5.74	5.69	5.79	17.9	3.4
	2	4.89	4.84	4.94	17.3	
gamma-Chlordane	1	5.99	5.94	6.04	18.1	5.1
	2	5.14	5.09	5.19	17.2	
Endrin	1	6.62	6.57	6.67	17.4	7.1
	2	5.80	5.75	5.85	16.2	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB167766BL	SDG No.:	Q1883
Lab Sample ID:	PB167766BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095478.D	1	04/28/25 09:05	04/29/25 14:42	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.5		55 - 130		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		42 - 129		97%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167766BL		SDG No.:	Q1883	
Lab Sample ID:	PB167766BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095478.D	1	04/28/25 09:05	04/29/25 14:42	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:42
Operator : AR\AJ
Sample : PB167766BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167766BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:56:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.595	2.905	63327644	58618940	19.398	18.435
28) SA Decachlor...	9.121	8.082	59461166	61963557	21.460	20.939

Target Compounds

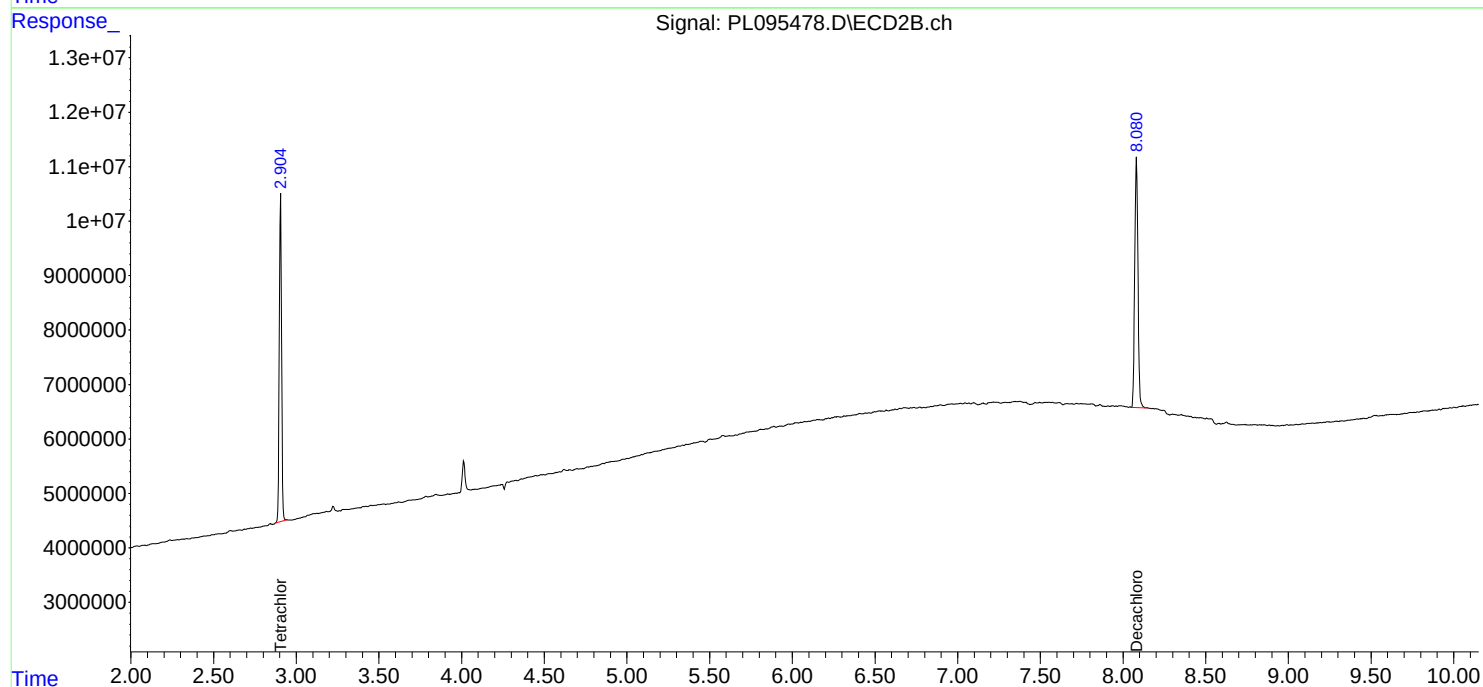
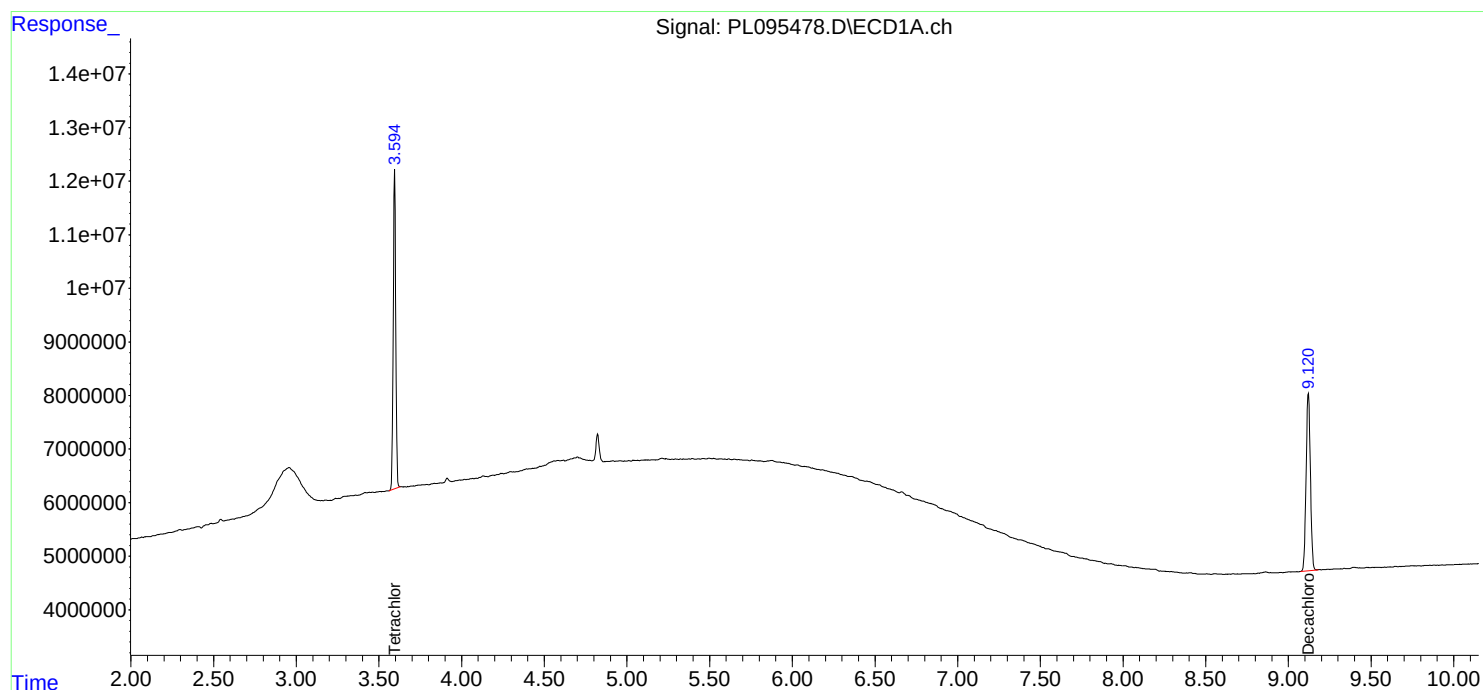
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

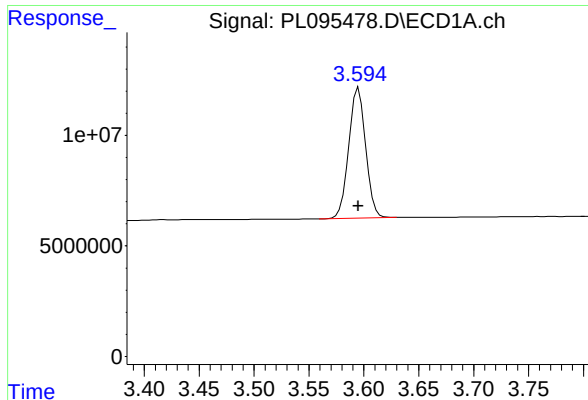
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 14:42
Operator : AR\AJ
Sample : PB167766BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167766BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:56:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

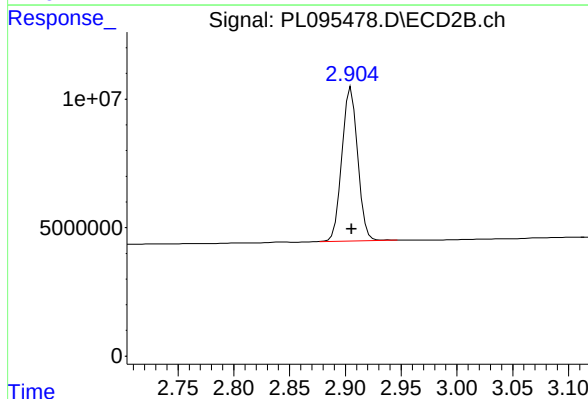




#1 Tetrachloro-m-xylene

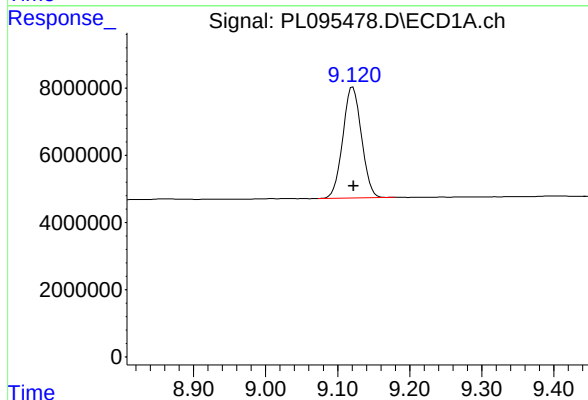
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 63327644
Conc: 19.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BL



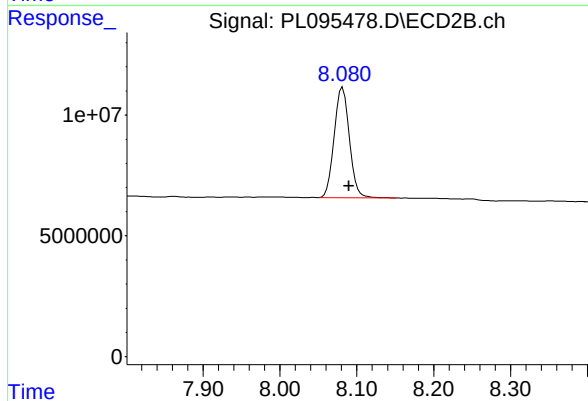
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 58618940
Conc: 18.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: -0.001 min
Response: 59461166
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 61963557
Conc: 20.94 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.9		30 - 135		94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		44 - 124		87%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/23/25	
Project:	Raymark Superfund Site		Date Received:	04/23/25	
Client Sample ID:	PIBLK-PL095326.D		SDG No.:	Q1883	
Lab Sample ID:	I.BLK-PL095326.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	56524147	54455545	17.314	17.126
28) SA Decachlor...	9.121	8.088	52237002	53755420	18.853	18.165

Target Compounds

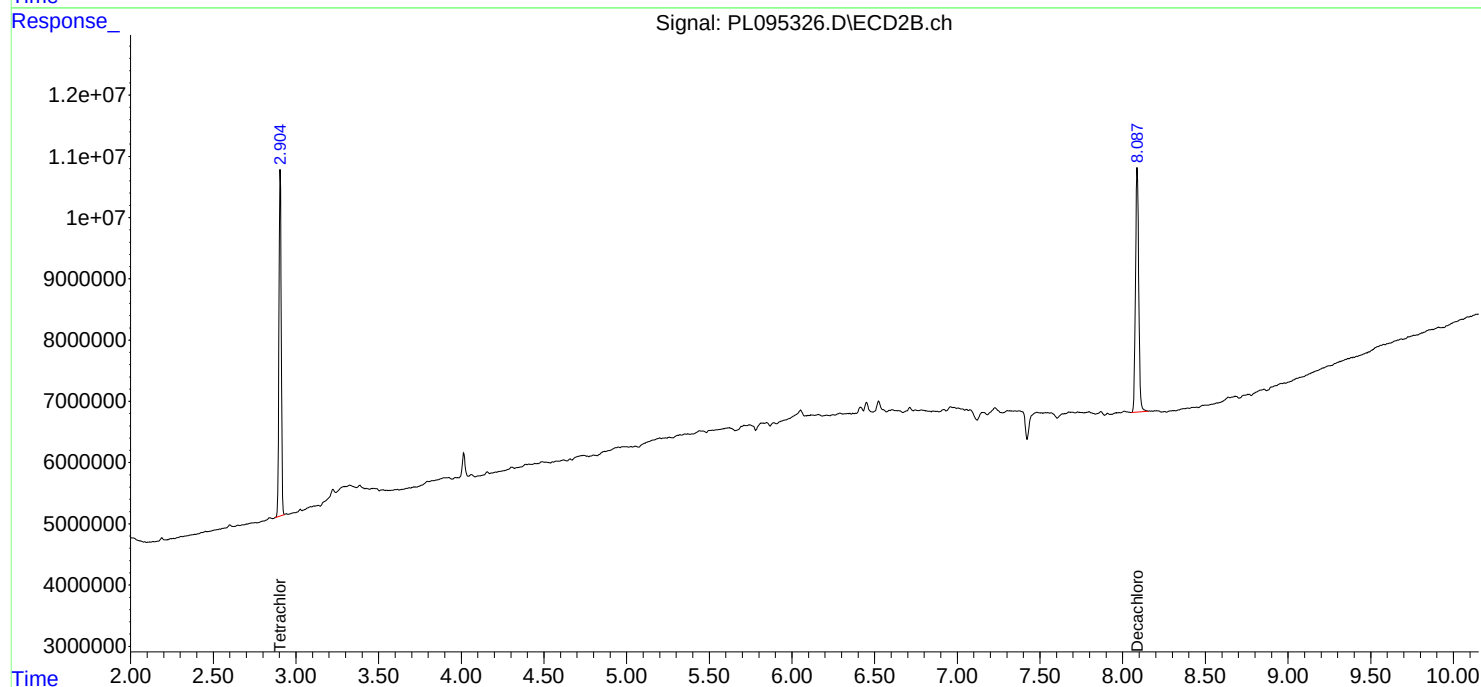
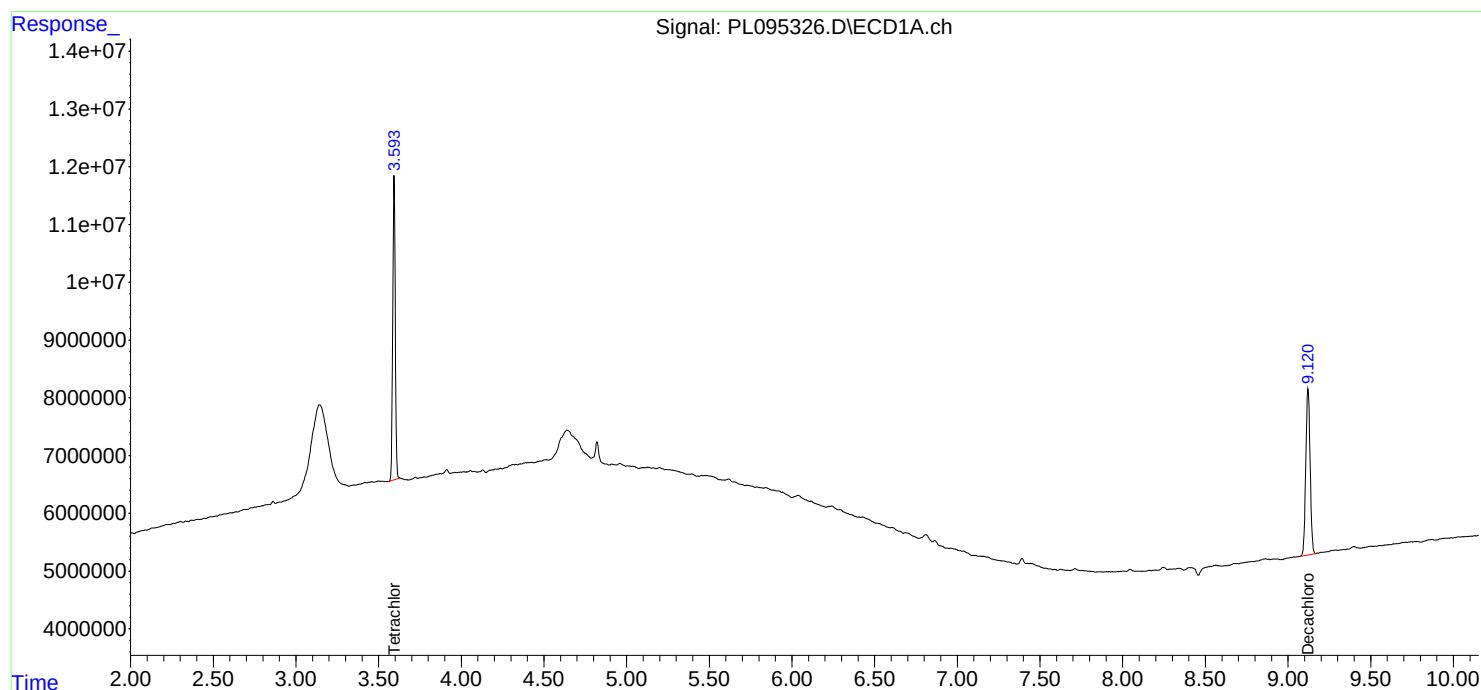
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

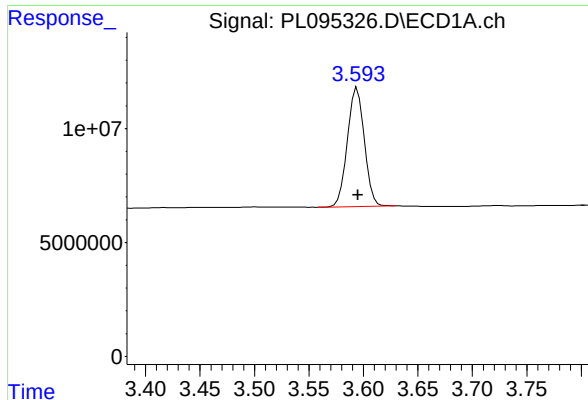
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

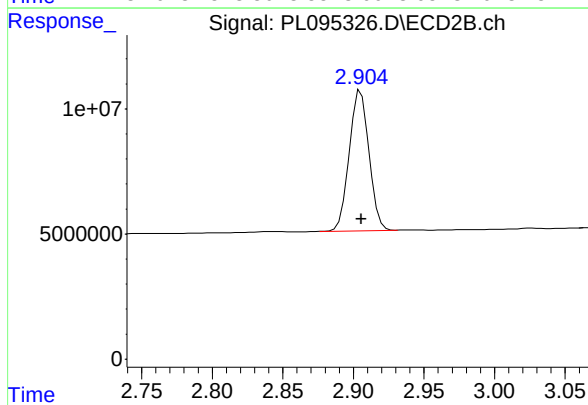




#1 Tetrachloro-m-xylene

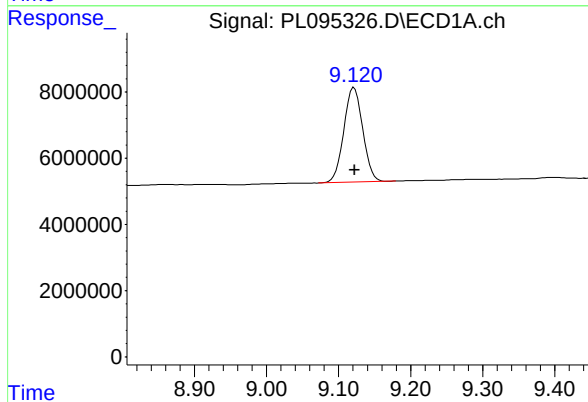
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 56524147
Conc: 17.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



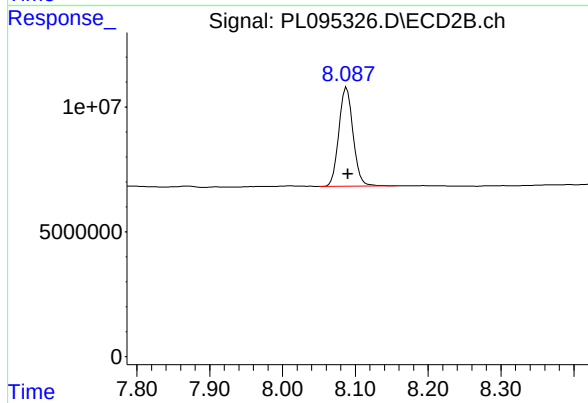
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 54455545
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 52237002
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.001 min
Response: 53755420
Conc: 18.17 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/28/25
Project:	Raymark Superfund Site	Date Received:	04/28/25
Client Sample ID:	PIBLK-PL095438.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095438.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095438.D	1		04/28/25	pl043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.9		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		44 - 124		93%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/28/25	
Project:	Raymark Superfund Site		Date Received:	04/28/25	
Client Sample ID:	PIBLK-PL095438.D		SDG No.:	Q1883	
Lab Sample ID:	I.BLK-PL095438.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095438.D	1		04/28/25	pl043025

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:33
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: Apr 29 01:34:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.598	2.902	60874148	56389765	18.646	17.734
28) SA Decachlor...	9.126	8.085	63327662	64300303	22.855	21.728

Target Compounds

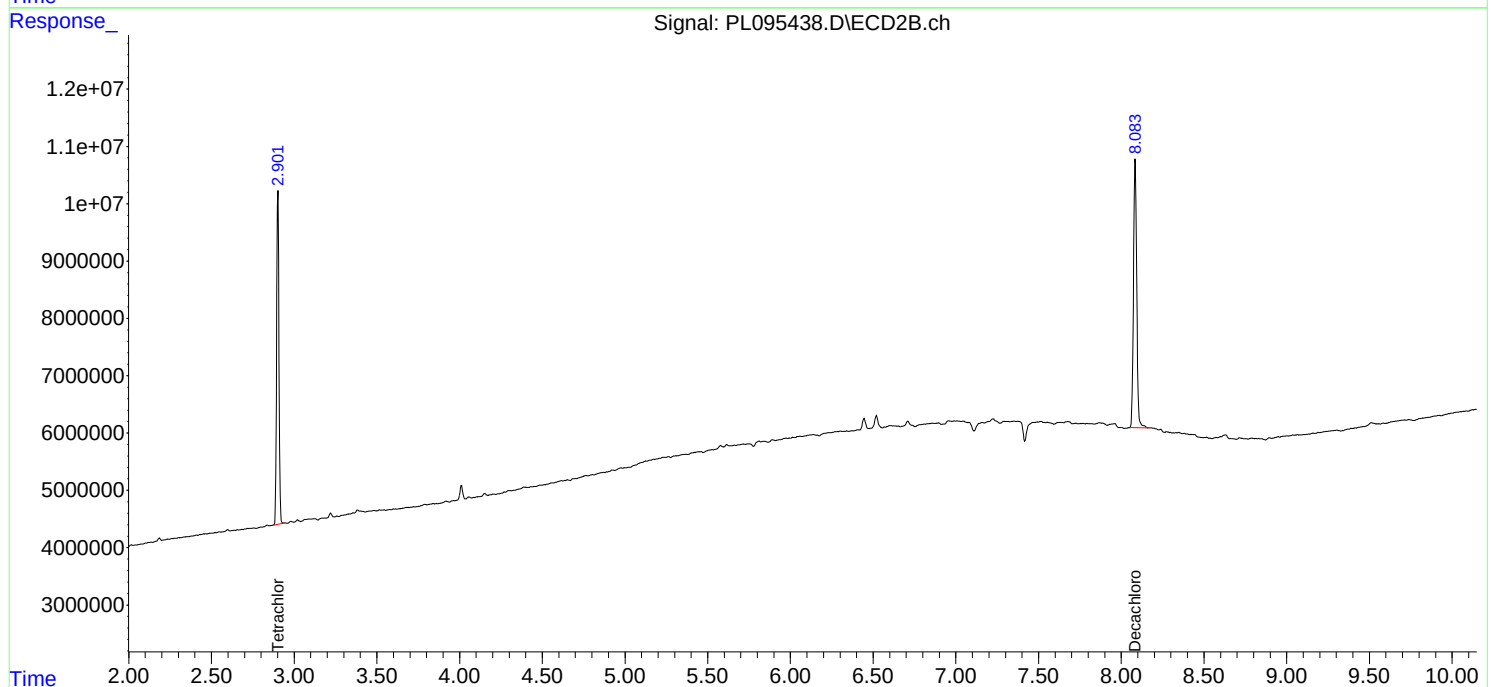
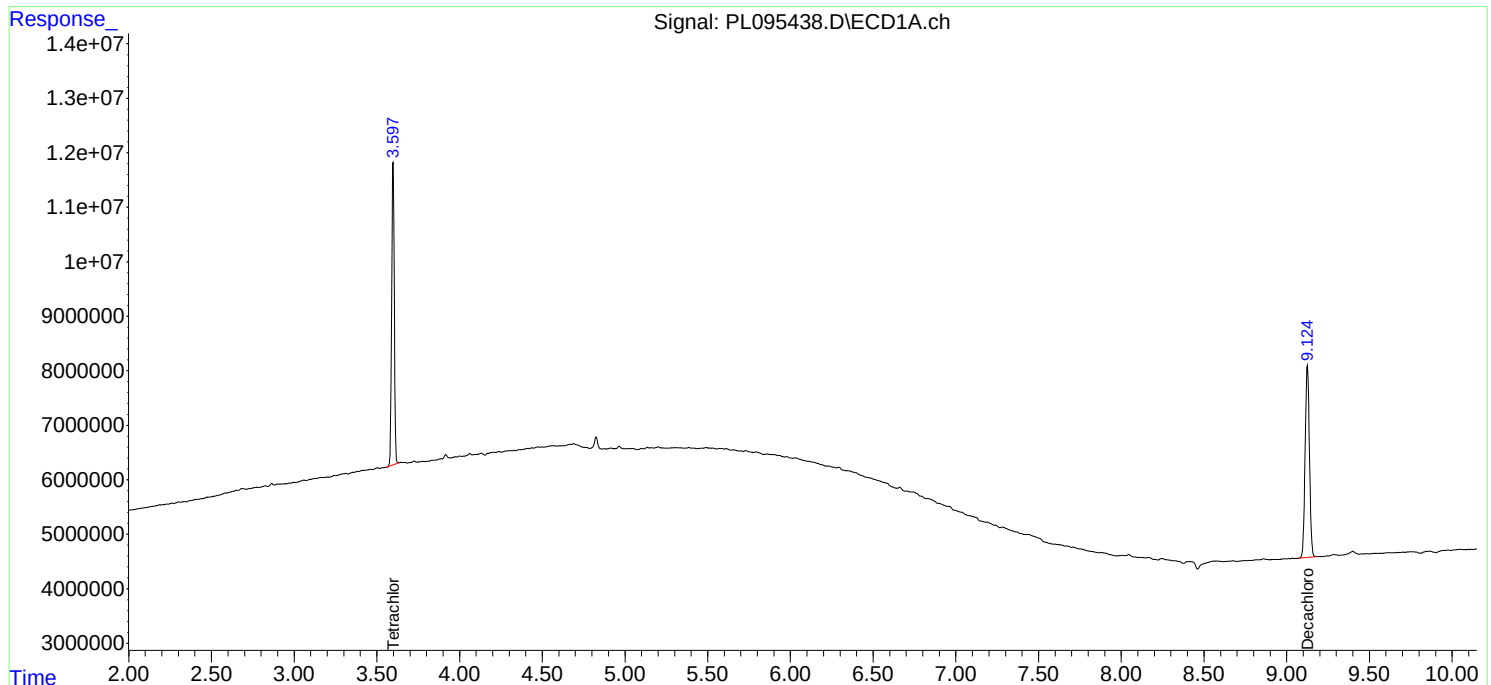
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

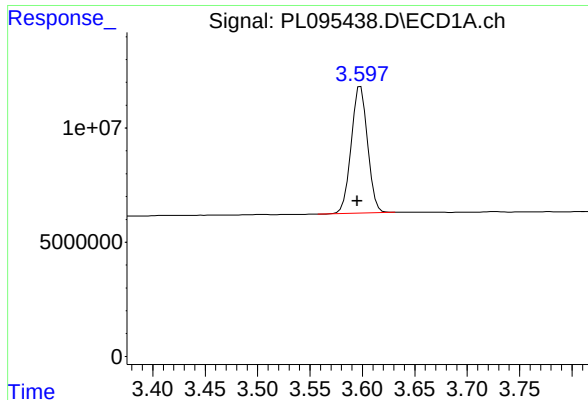
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

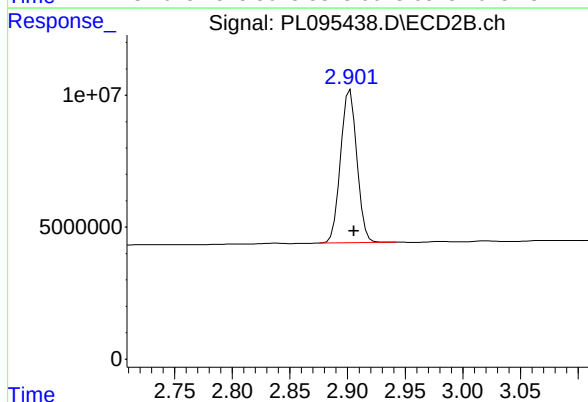




#1 Tetrachloro-m-xylene

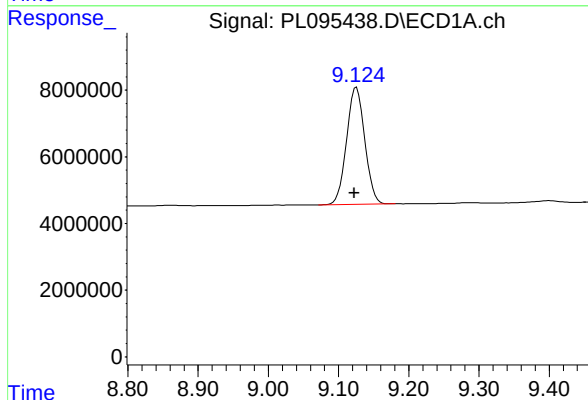
R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 60874148
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



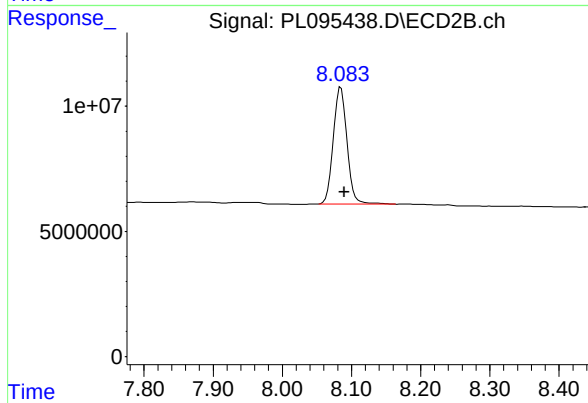
#1 Tetrachloro-m-xylene

R.T.: 2.902 min
Delta R.T.: -0.003 min
Response: 56389765
Conc: 17.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.126 min
Delta R.T.: 0.003 min
Response: 63327662
Conc: 22.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.005 min
Response: 64300303
Conc: 21.73 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/28/25
Project:	Raymark Superfund Site	Date Received:	04/28/25
Client Sample ID:	PIBLK-PL095450.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095450.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095450.D	1		04/28/25	pl043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.8		30 - 135		109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		44 - 124		95%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/28/25
Project:	Raymark Superfund Site	Date Received:	04/28/25
Client Sample ID:	PIBLK-PL095450.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095450.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	Pesticide-TCL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095450.D	1		04/28/25	pl043025

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:45
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: Apr 29 01:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.904	60429031	60511572	18.510	19.030
28) SA Decachlor...	9.114	8.082	58710330	64573913	21.189	21.821

Target Compounds

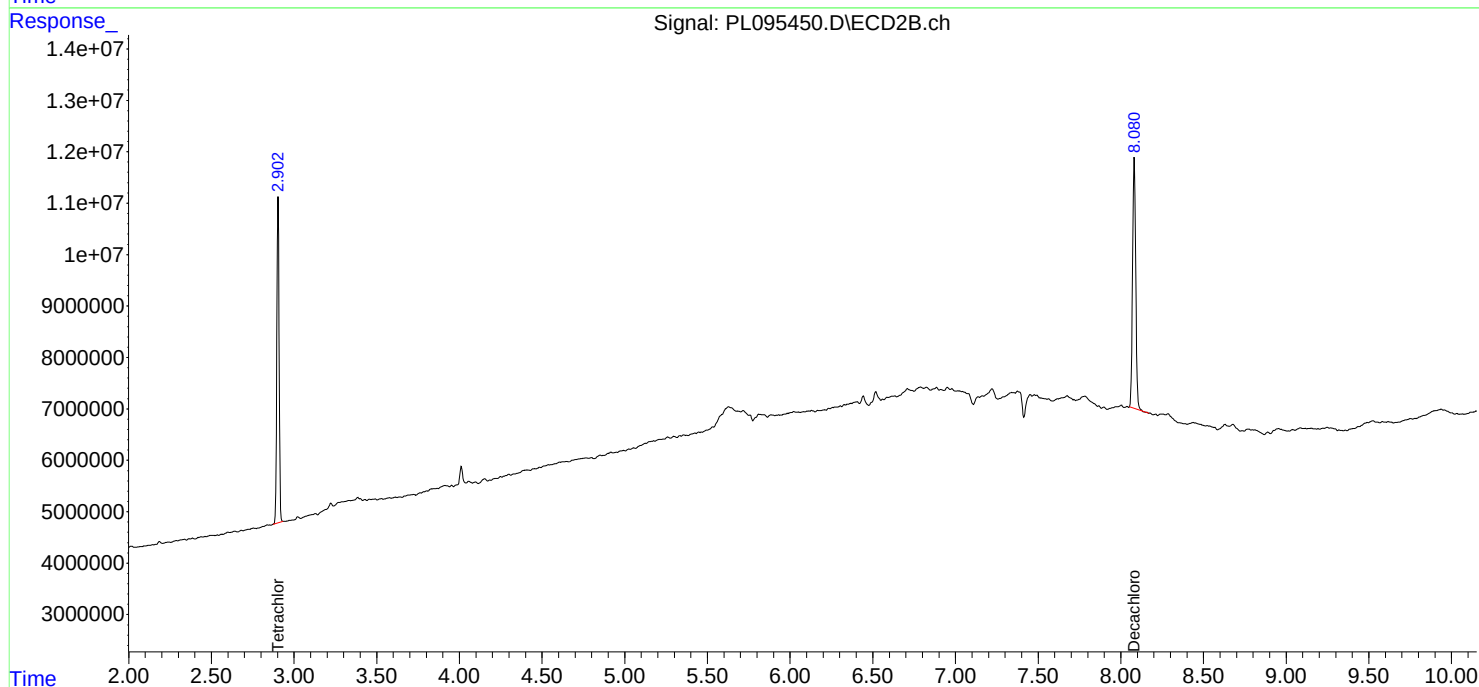
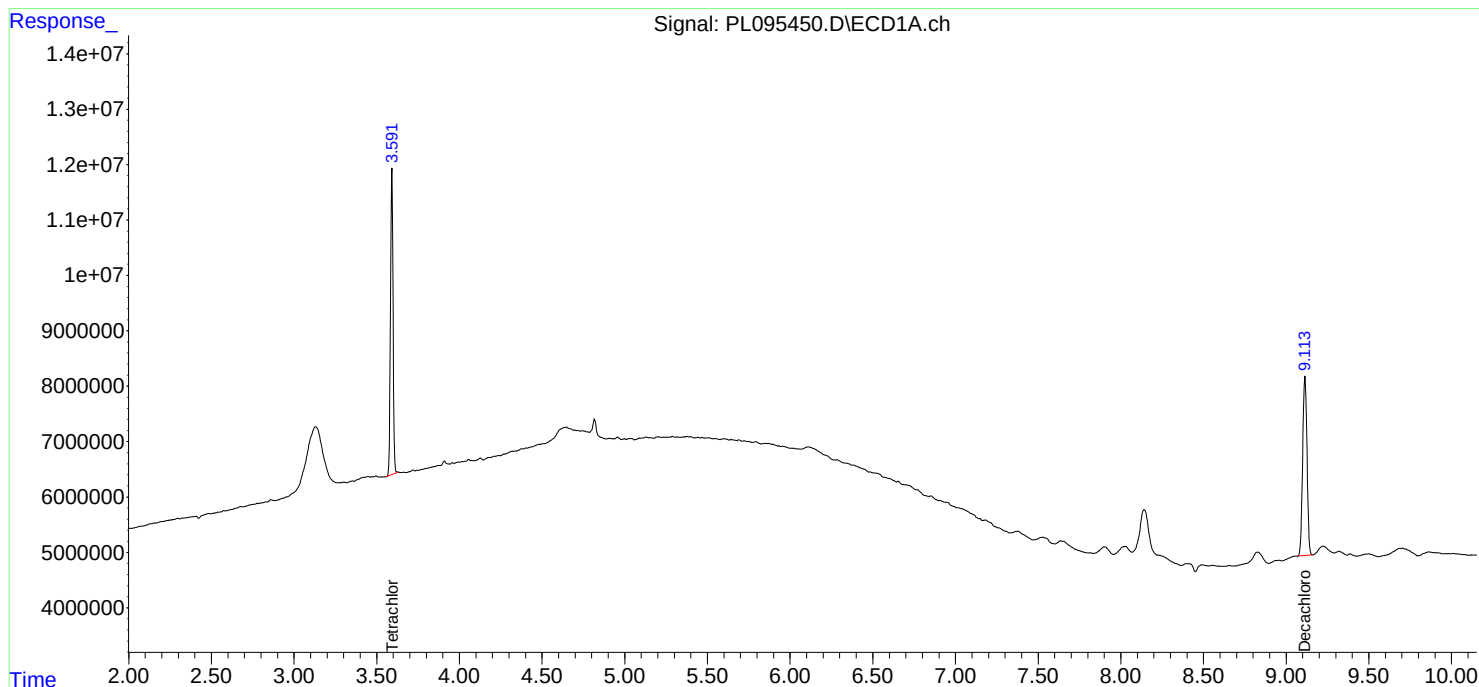
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

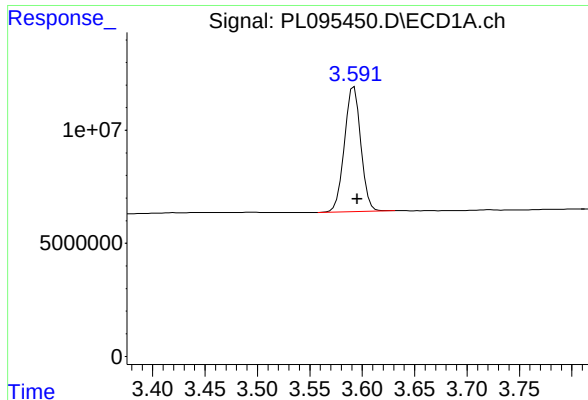
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

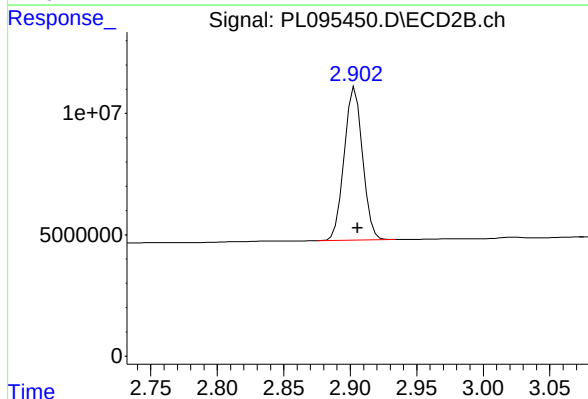




#1 Tetrachloro-m-xylene

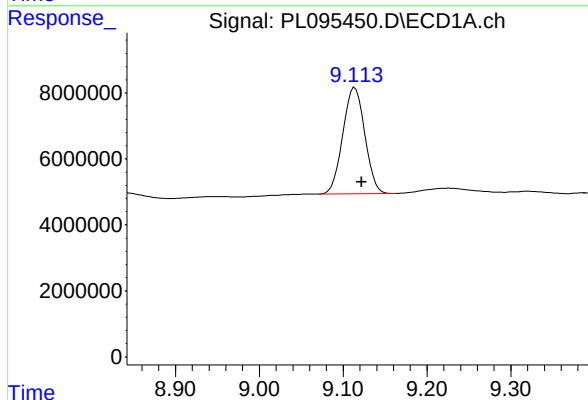
R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 60429031
Conc: 18.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



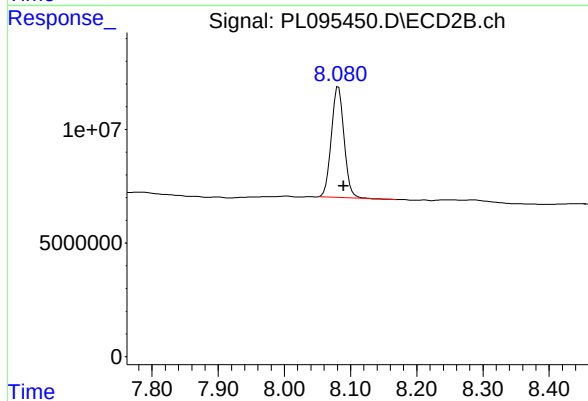
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 60511572
Conc: 19.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 58710330
Conc: 21.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 64573913
Conc: 21.82 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/29/25
Project:	Raymark Superfund Site	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095473.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095473.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095473.D	1		04/29/25	pl050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.2		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		44 - 124		95%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/29/25
Project:	Raymark Superfund Site	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095473.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095473.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	Pesticide-TCL
		PH :	
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095473.D	1		04/29/25	pl050225

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:25
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: Apr 30 00:55:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.594	2.904	61870909	57693311	18.952	18.144
28) SA Decachlor...	9.121	8.083	61630019	62243209	22.243	21.033

Target Compounds

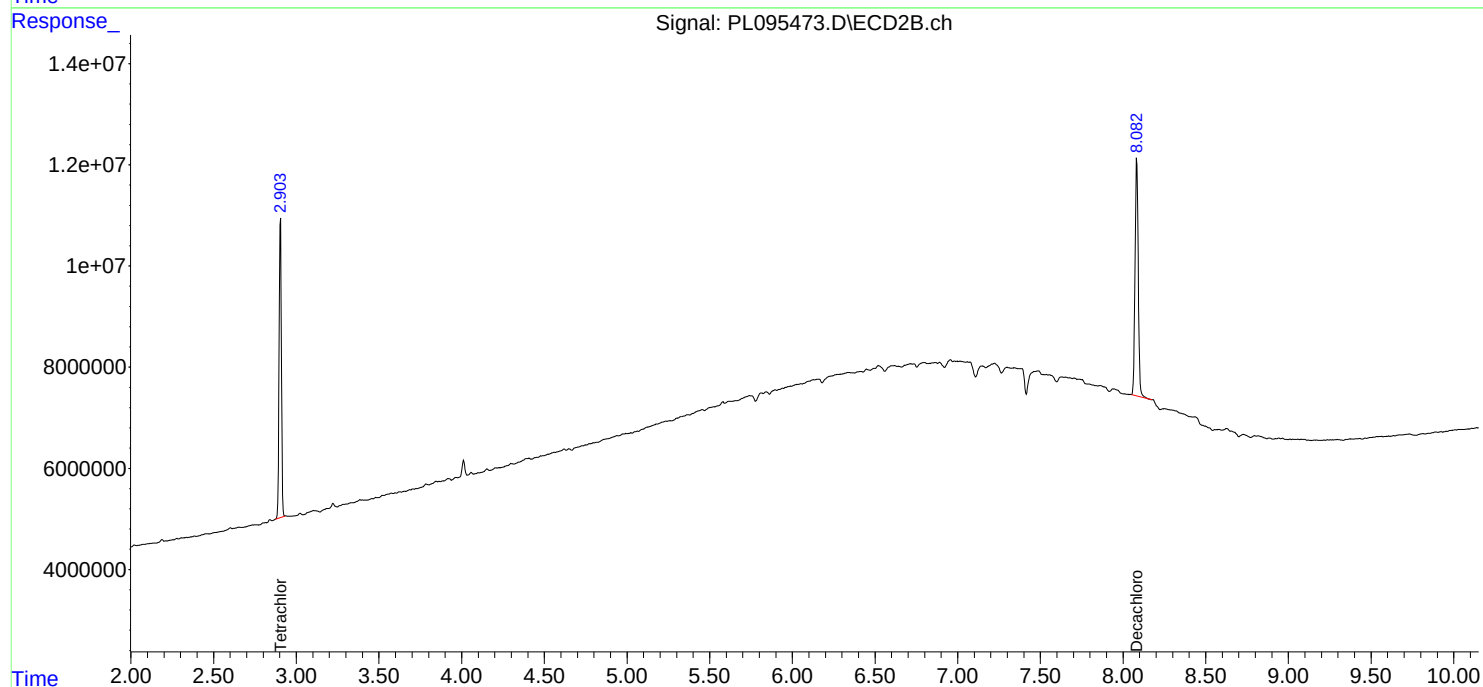
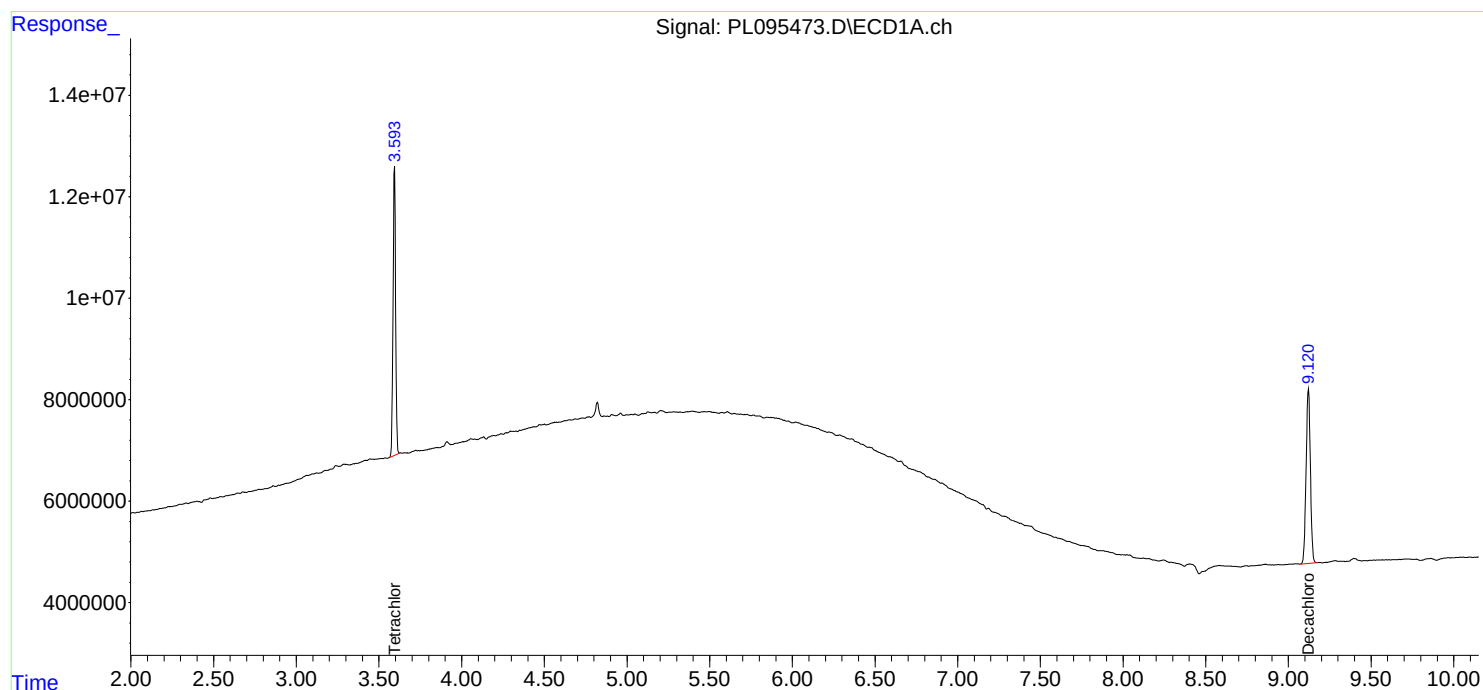
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

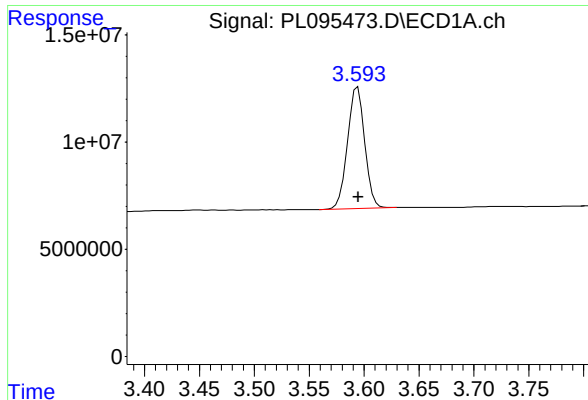
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

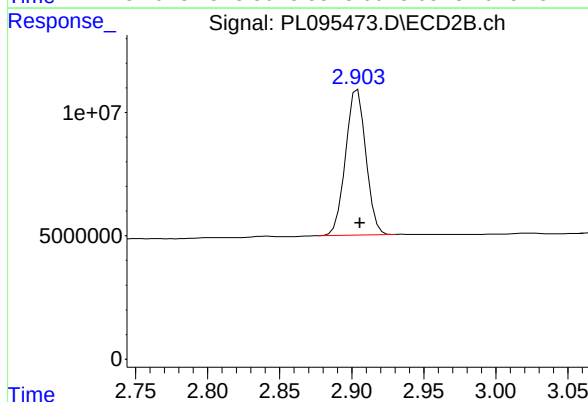




#1 Tetrachloro-m-xylene

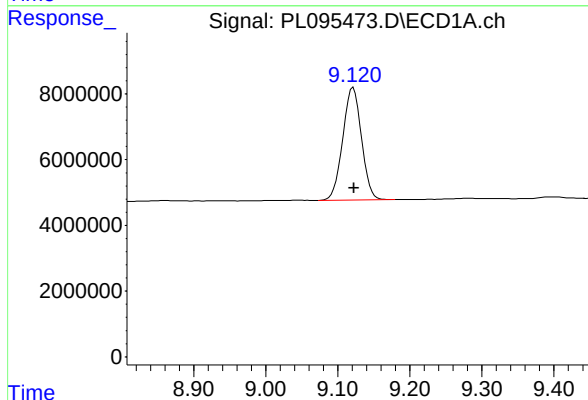
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 61870909
Conc: 18.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



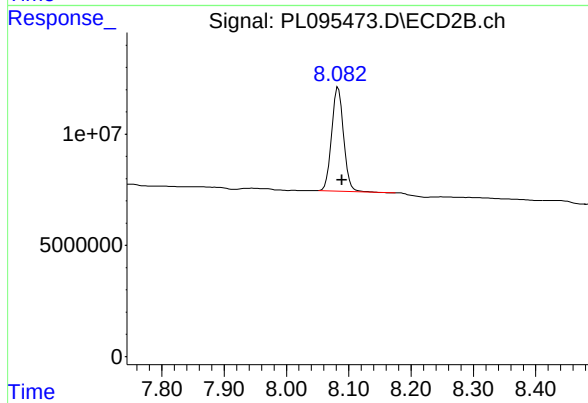
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 57693311
Conc: 18.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 61630019
Conc: 22.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 62243209
Conc: 21.03 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/29/25
Project:	Raymark Superfund Site	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095483.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095483.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095483.D	1		04/29/25	pl050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.00017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.9		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		44 - 124		109%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/29/25
Project:	Raymark Superfund Site	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095483.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095483.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095483.D	1		04/29/25	pl050225

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 16:52
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: Apr 30 00:57:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.906	62516971	69323361	19.150	21.801
28) SA Decachlor...	9.118	8.083	63466068	64507852	22.905	21.799

Target Compounds

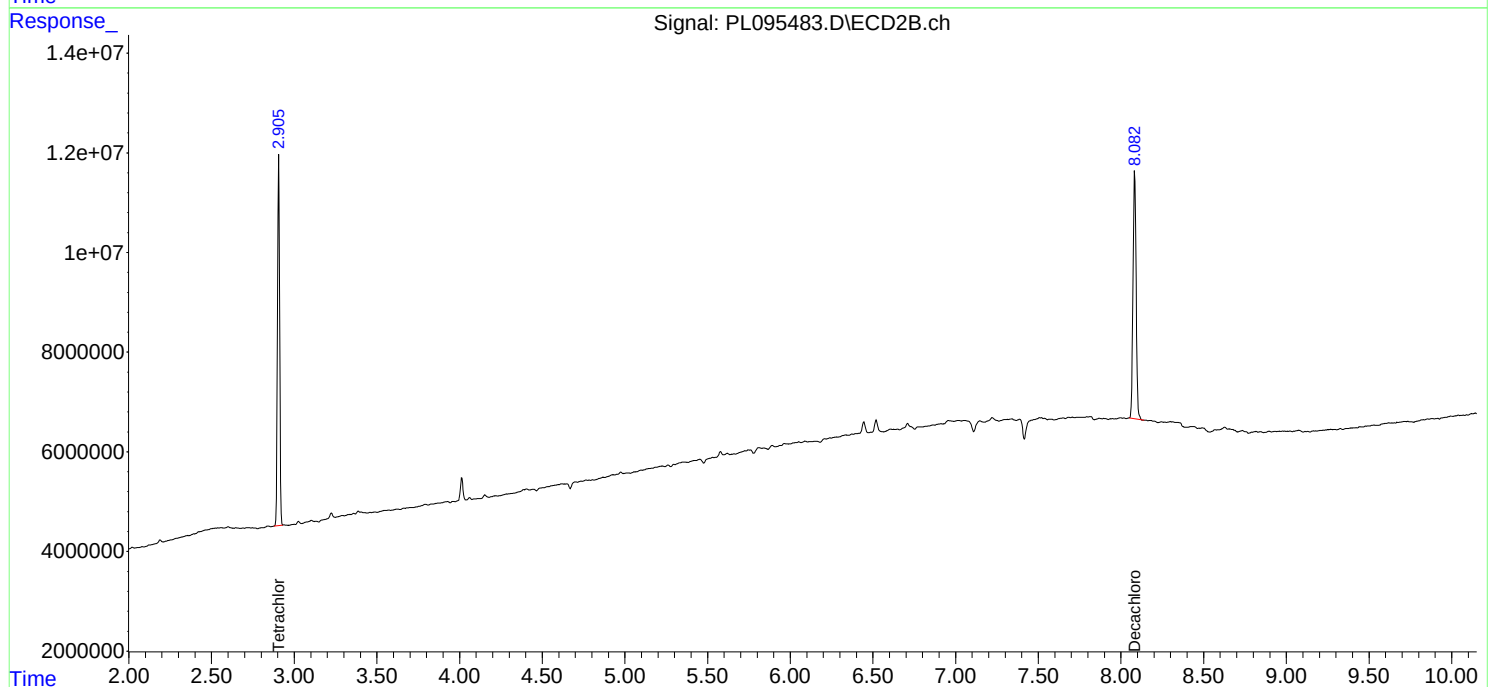
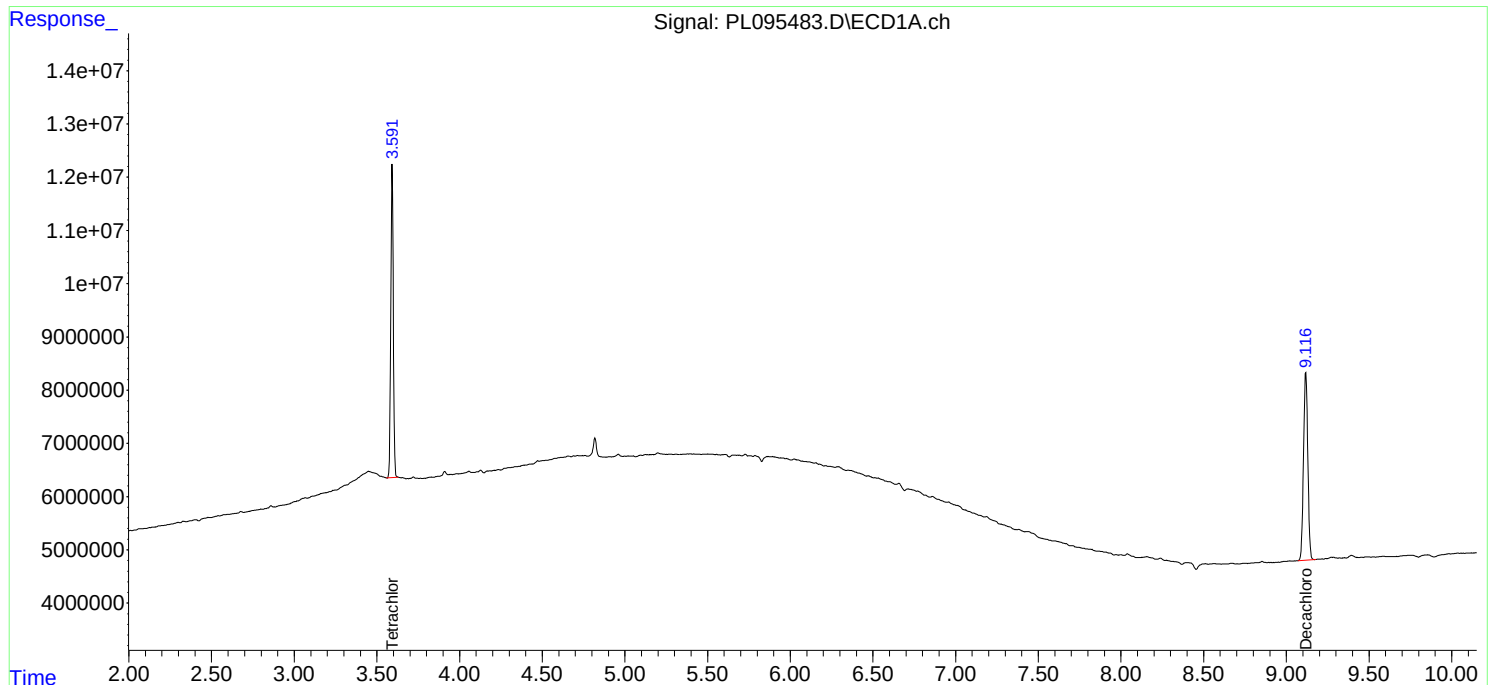
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

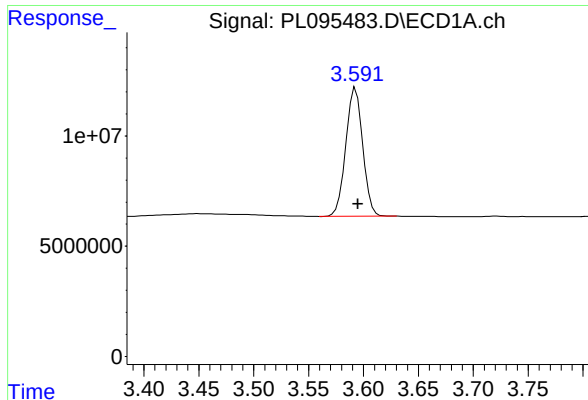
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 16:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:57:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

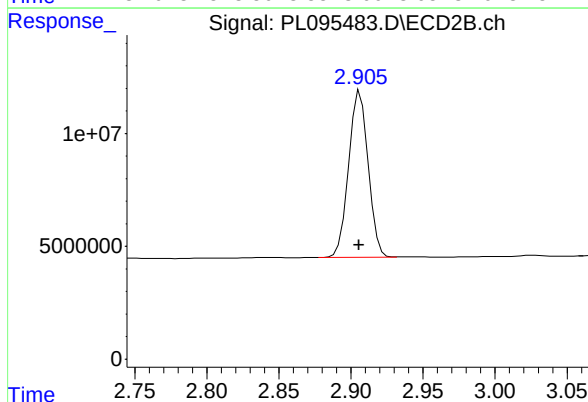




#1 Tetrachloro-m-xylene

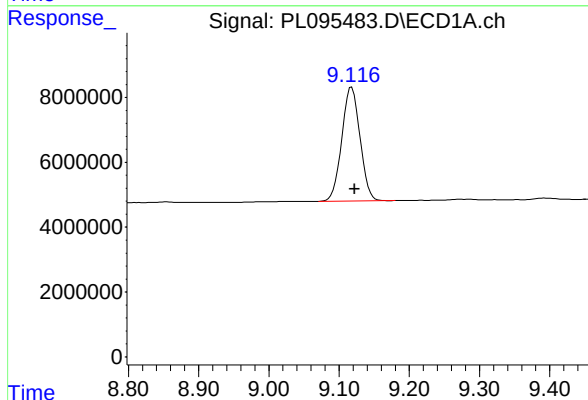
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62516971
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



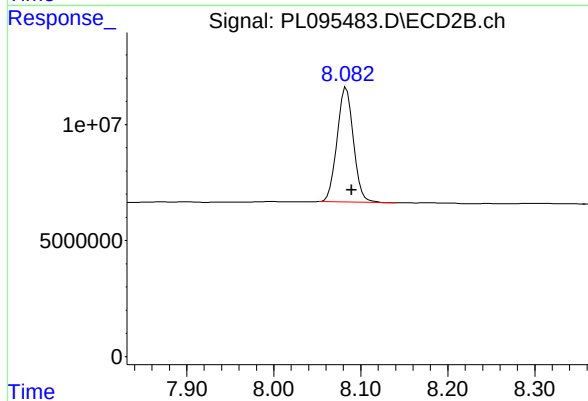
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 69323361
Conc: 21.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 63466068
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 64507852
Conc: 21.80 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/29/25
Project:	Raymark Superfund Site	Date Received:	04/29/25
Client Sample ID:	PIBLK-PL095494.D	SDG No.:	Q1883
Lab Sample ID:	I.BLK-PL095494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095494.D	1		04/29/25	pl050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.00017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.8		30 - 135		109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.5		44 - 124		118%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/29/25	
Project:	Raymark Superfund Site		Date Received:	04/29/25	
Client Sample ID:	PIBLK-PL095494.D		SDG No.:	Q1883	
Lab Sample ID:	I.BLK-PL095494.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095494.D	1		04/29/25	pl050225

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 21:05
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: Apr 30 00:58:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	60940256	74803099	18.667	23.525 #
28) SA Decachlor...	9.118	8.084	59996351	64594280	21.653	21.828

Target Compounds

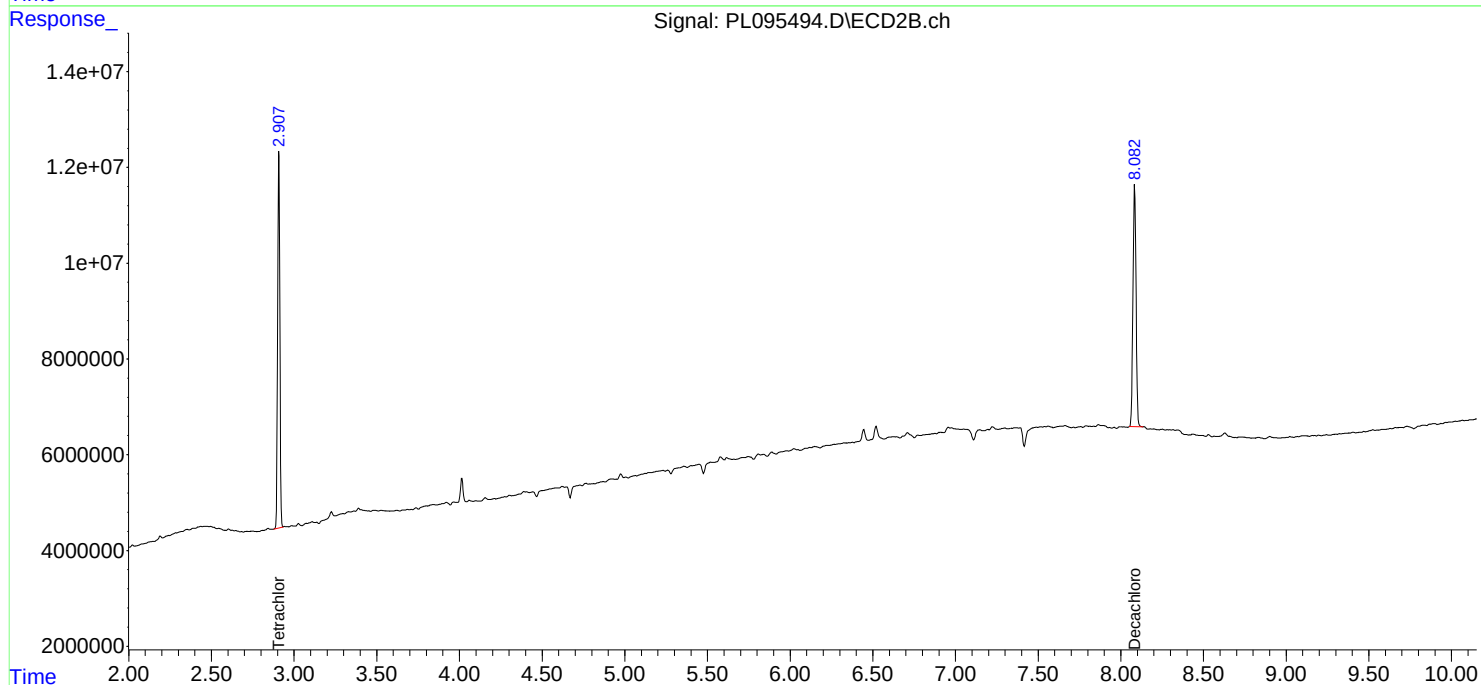
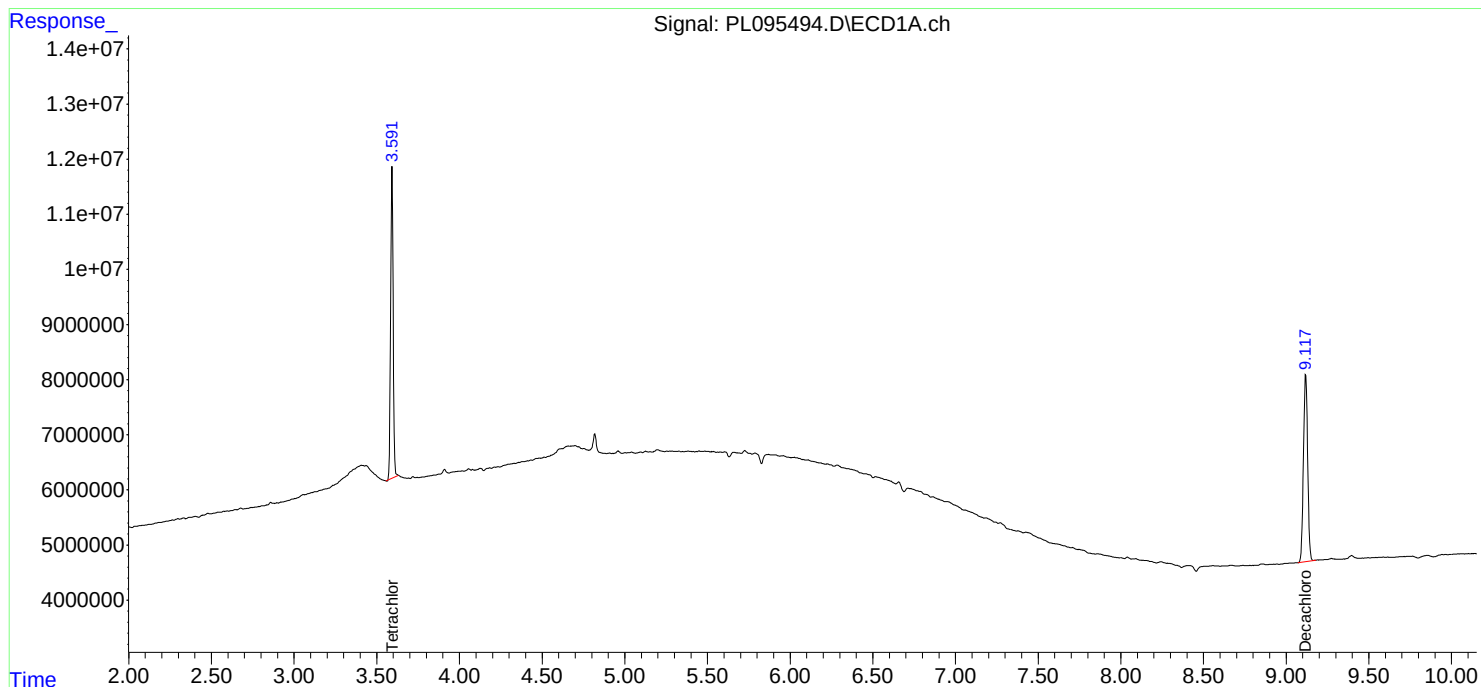
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

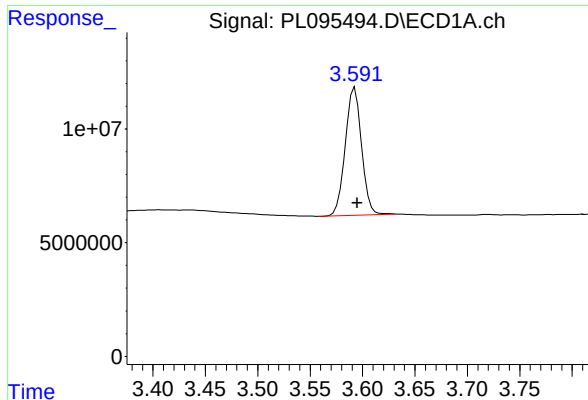
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 21:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

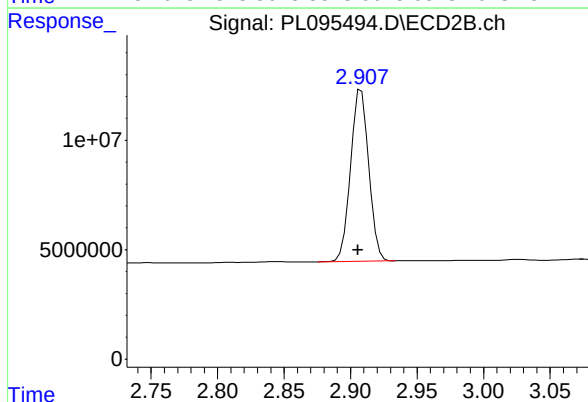




#1 Tetrachloro-m-xylene

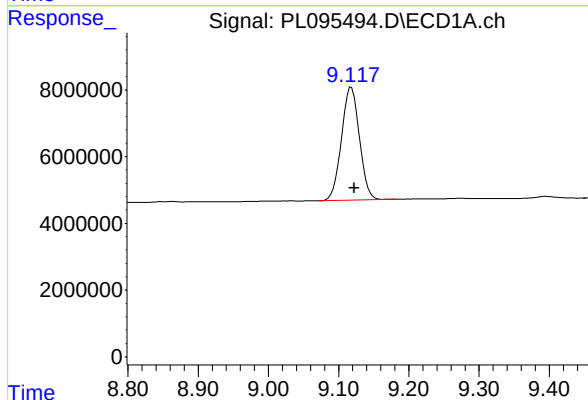
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 60940256
Conc: 18.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



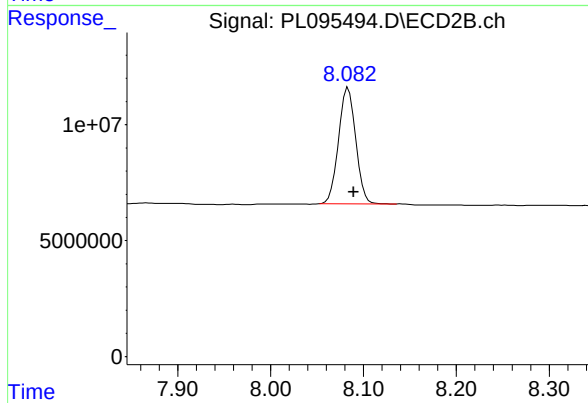
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 74803099
Conc: 23.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 59996351
Conc: 21.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 64594280
Conc: 21.83 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167766BS		SDG No.:	Q1883	
Lab Sample ID:	PB167766BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095442.D	1	04/28/25 09:05	04/28/25 16:49	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.018		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.017		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.017		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.018		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.018		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.017		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.020		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.019		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.018		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.020		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.020		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.018		0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.8		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		42 - 129		104%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167766BS		SDG No.:	Q1883	
Lab Sample ID:	PB167766BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095442.D	1	04/28/25 09:05	04/28/25 16:49	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095442.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:49
 Operator : AR\AJ
 Sample : PB167766BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167766BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	67647608	66214118	20.721	20.824
28) SA Decachlor...	9.116	8.082	65376502	70362619	23.595	23.777
Target Compounds						
2) A alpha-BHC	4.044	3.414	257.4E6	238.4E6	51.956	53.588
3) MA gamma-BHC...	4.373	3.747	247.9E6	232.2E6	52.364m	52.793
4) MA Heptachlor	4.973	4.101	231.7E6	220.5E6	50.642	50.609
5) MB Aldrin	5.314	4.386	239.4E6	213.1E6	52.116	51.774
6) B beta-BHC	4.560	4.040	105.7E6	107.4E6	51.131	51.739
7) B delta-BHC	4.807	4.276	246.6E6	232.2E6	53.032m	52.979
8) B Heptachlo...	5.735	4.888	215.0E6	200.7E6	53.681	51.969
9) A Endosulfan I	6.119	5.262	206.2E6	192.4E6	54.298	52.557
10) B gamma-Chl...	5.989	5.141	222.0E6	209.5E6	54.432	51.699
11) B alpha-Chl...	6.070	5.206	220.6E6	206.4E6	54.259	51.835
12) B 4,4'-DDE	6.239	5.392	213.6E6	209.0E6	54.474	51.377
13) MA Dieldrin	6.391	5.526	212.5E6	209.1E6	55.121	51.418
14) MA Endrin	6.619	5.801	166.6E6	177.0E6	52.308	48.618
15) B Endosulfa...	6.831	6.092	181.8E6	188.8E6	56.955	52.573
16) A 4,4'-DDD	6.749	5.944	166.2E6	174.9E6	58.709	53.545
17) MA 4,4'-DDT	7.064	6.198	159.9E6	174.8E6	56.124	50.878
18) B Endrin al...	6.960	6.270	136.5E6	144.5E6	58.822	55.294
19) B Endosulfa...	7.193	6.493	154.7E6	175.7E6	55.225	52.952
20) A Methoxychlor	7.534	6.768	74241669	90721249	53.215	47.562
21) B Endrin ke...	7.674	6.999	167.6E6	206.5E6	58.776	58.642
22) Mirex	8.155	7.194	129.1E6	155.6E6	54.348	53.981m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:49
Operator : AR\AJ
Sample : PB167766BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167766BS

Manual Integrations

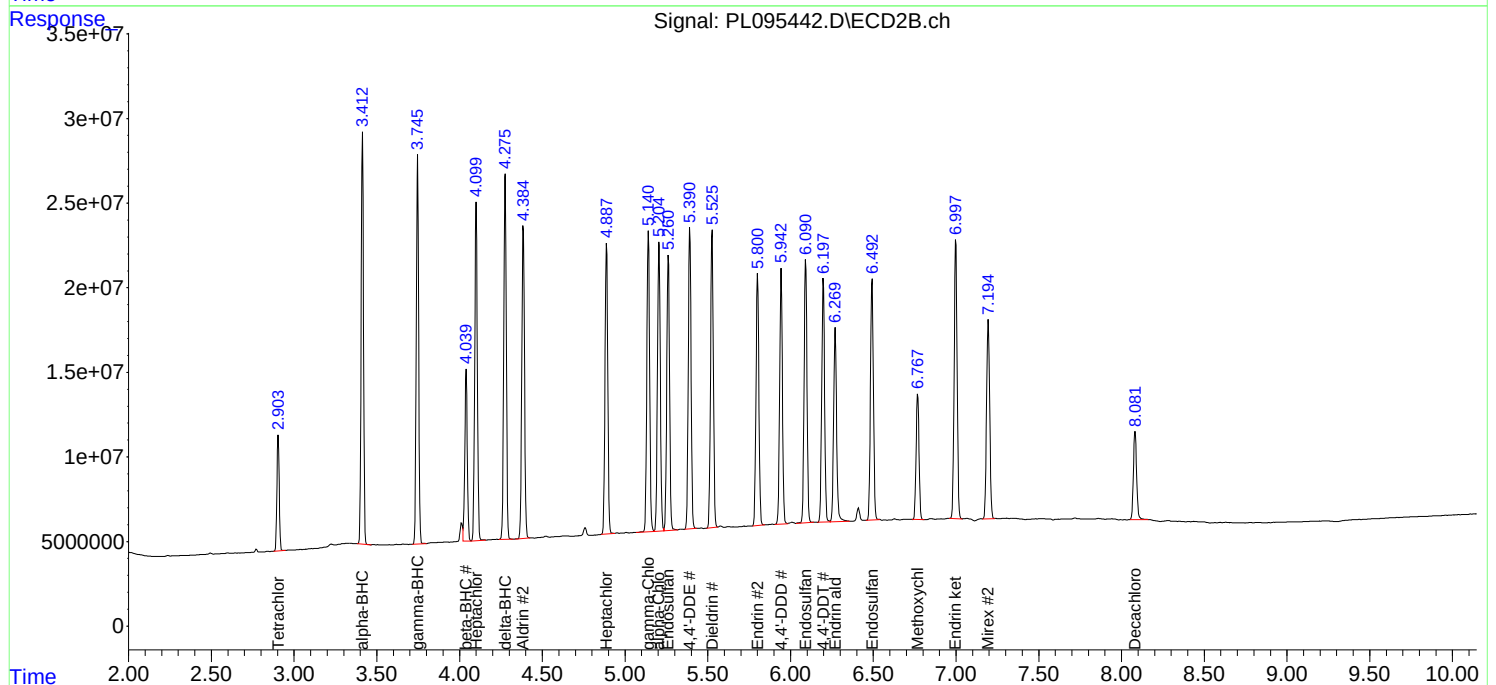
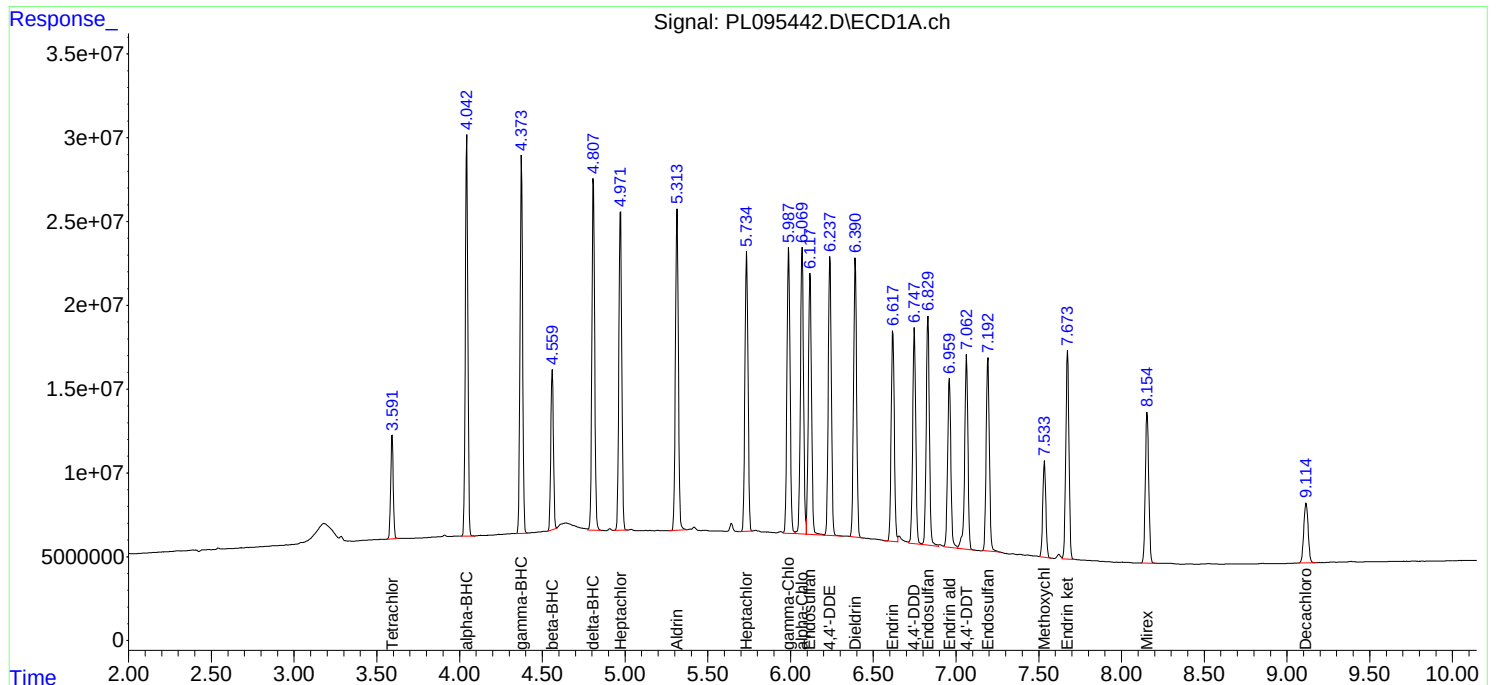
APPROVED

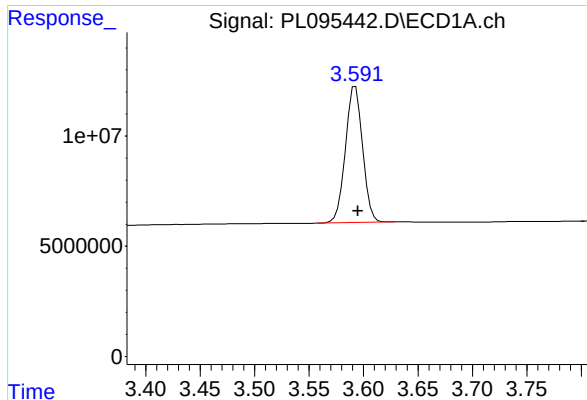
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





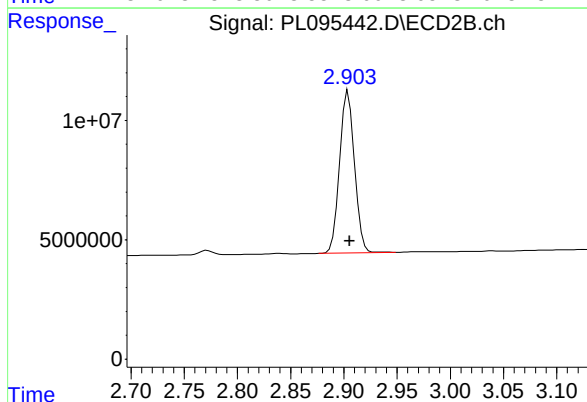
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 67647608
Conc: 20.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

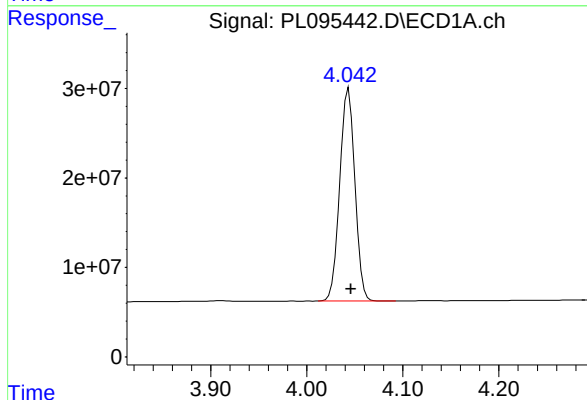
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



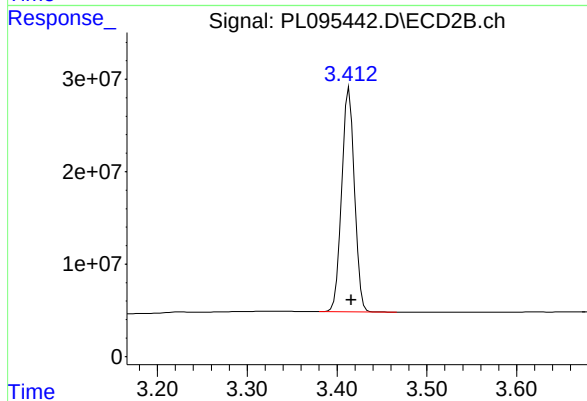
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 66214118
Conc: 20.82 ng/ml



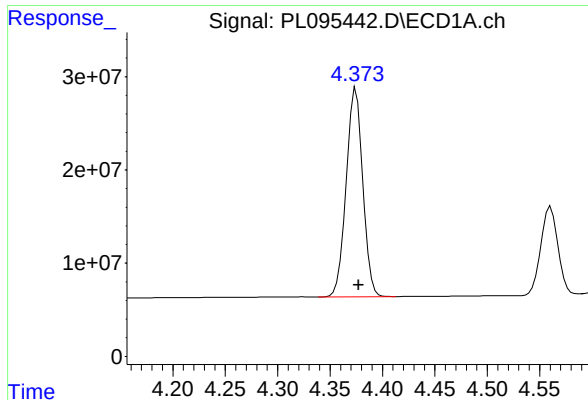
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257378879
Conc: 51.96 ng/ml



#2 alpha-BHC

R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 238399408
Conc: 53.59 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 247889763
Conc: 52.36 ng/ml

Instrument :

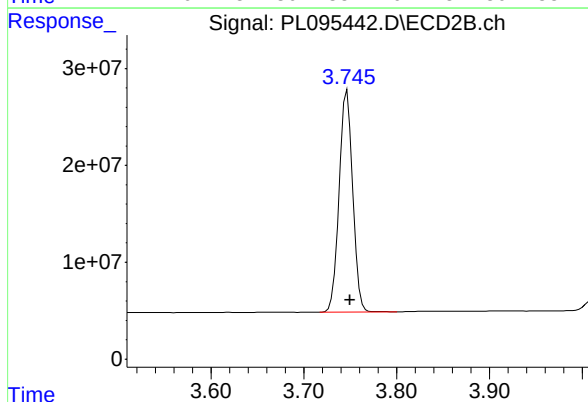
ECD_L

ClientSampleId :

PB167766BS

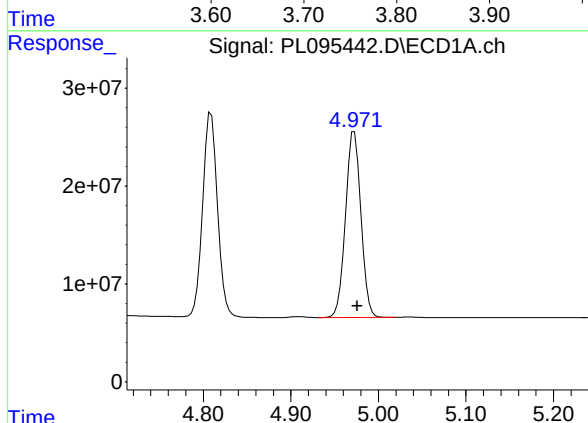
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



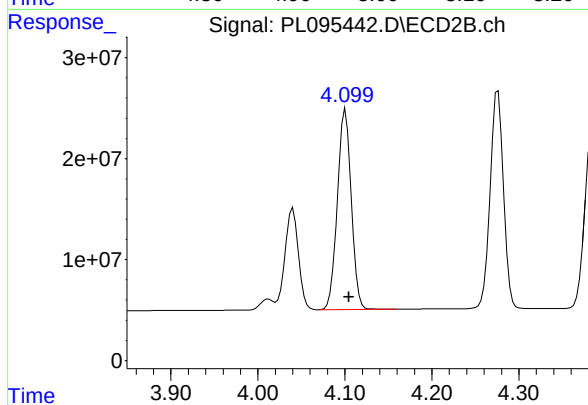
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 232196492
Conc: 52.79 ng/ml



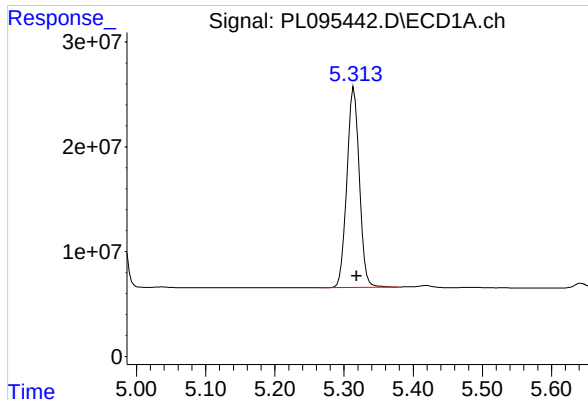
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 231660801
Conc: 50.64 ng/ml



#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 220487445
Conc: 50.61 ng/ml



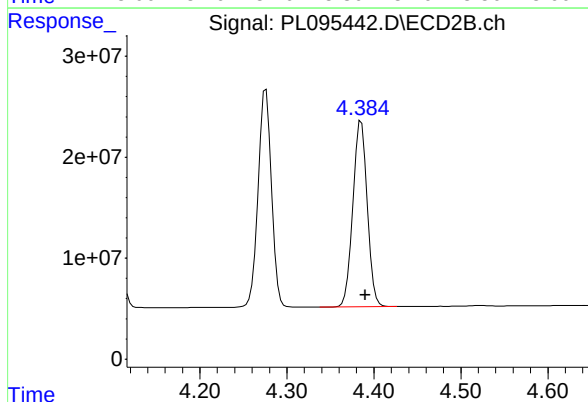
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239369244
Conc: 52.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

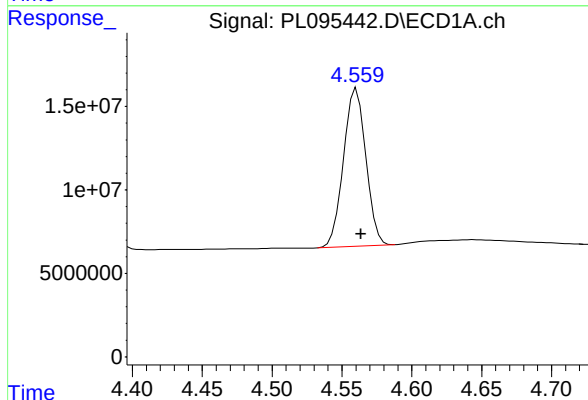
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



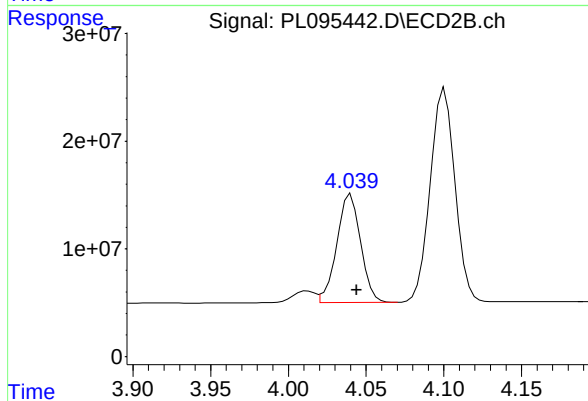
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 213086005
Conc: 51.77 ng/ml



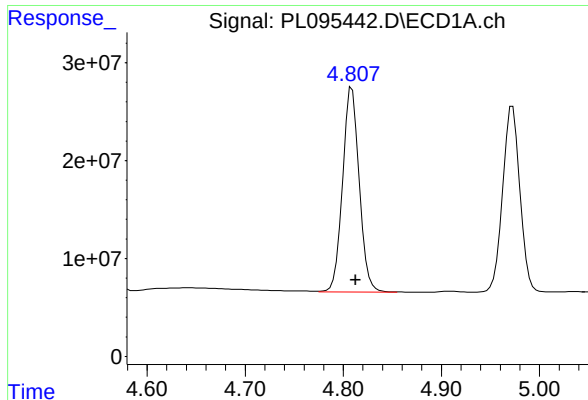
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 105713874
Conc: 51.13 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 107403202
Conc: 51.74 ng/ml



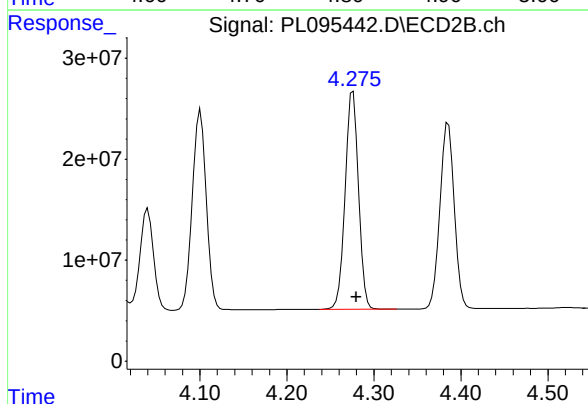
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 246637097
Conc: 53.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

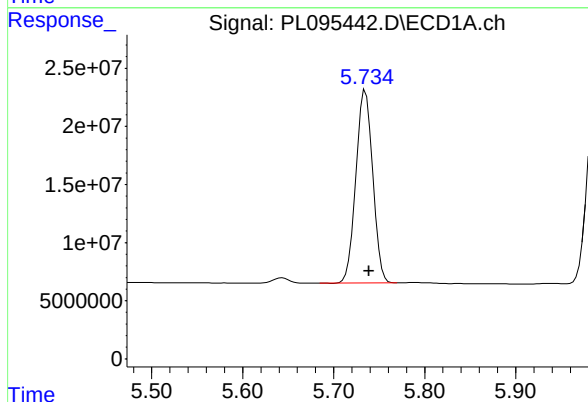
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



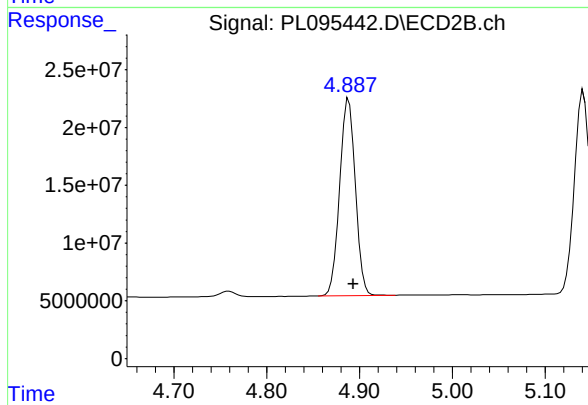
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 232150594
Conc: 52.98 ng/ml



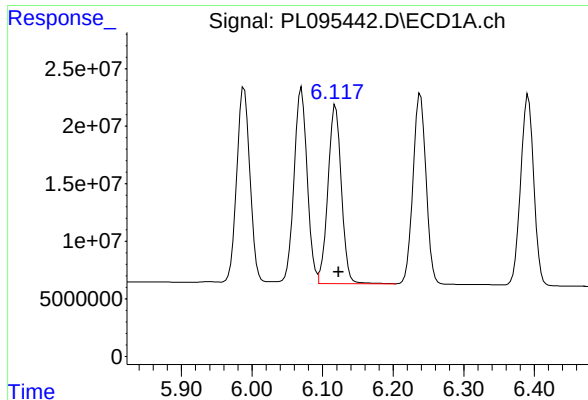
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214998835
Conc: 53.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 200739473
Conc: 51.97 ng/ml



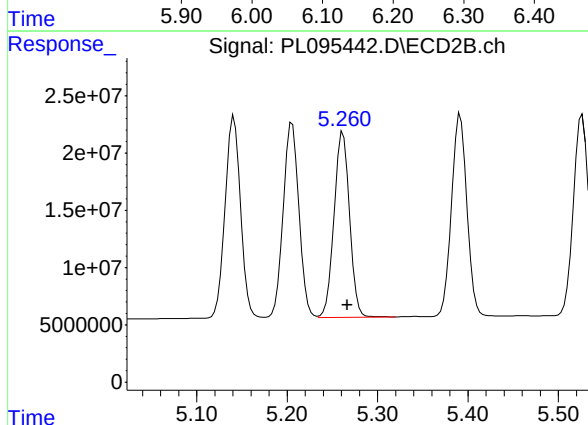
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 206198191
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

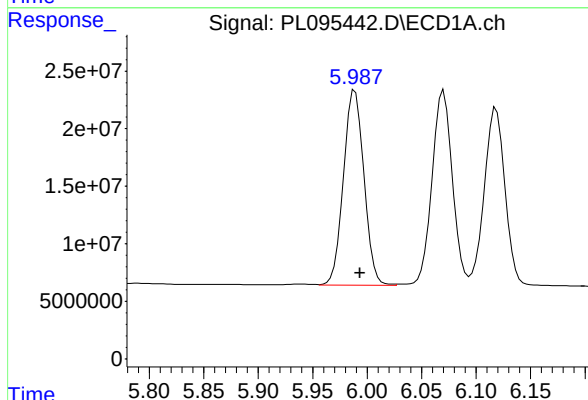
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



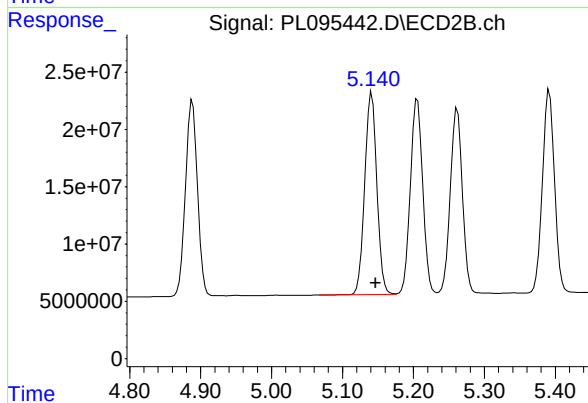
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 192382261
Conc: 52.56 ng/ml



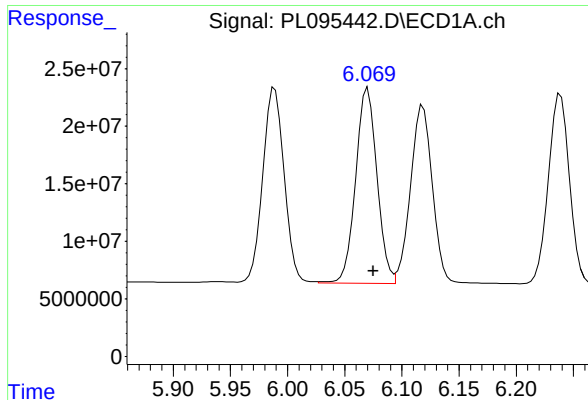
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 222046131
Conc: 54.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 209516921
Conc: 51.70 ng/ml



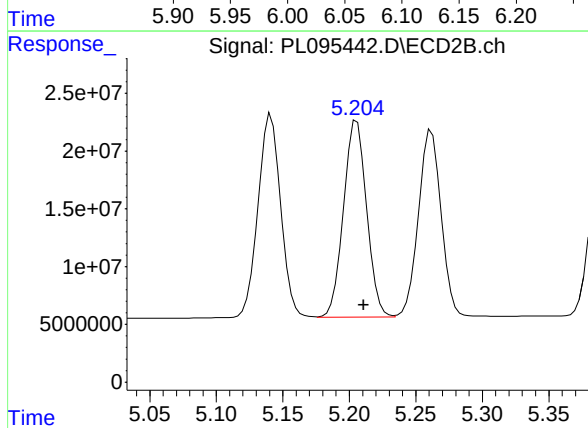
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 220622387
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

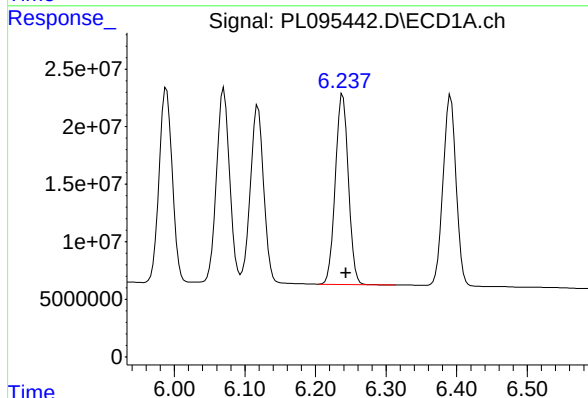
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



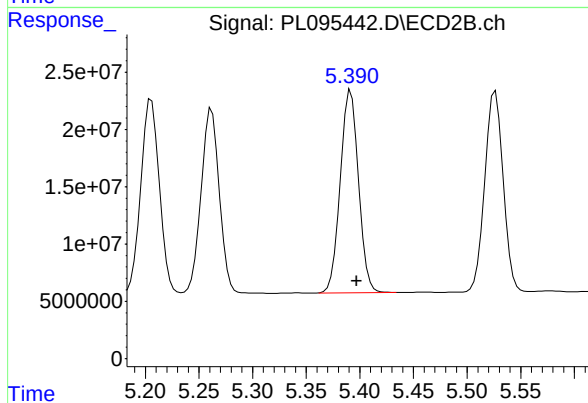
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 206356726
Conc: 51.83 ng/ml



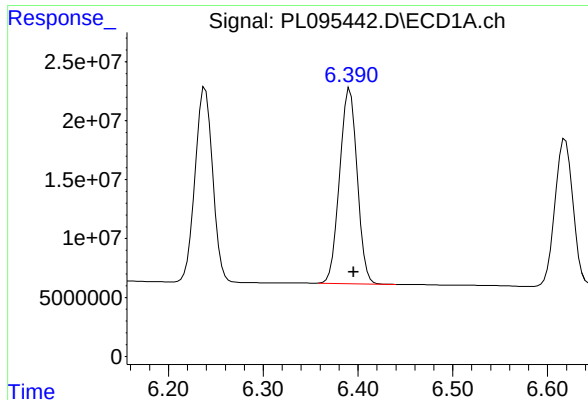
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 213568133
Conc: 54.47 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 208950665
Conc: 51.38 ng/ml



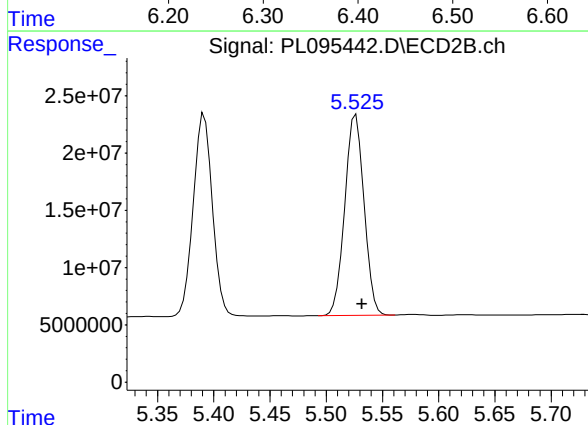
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 212479933
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

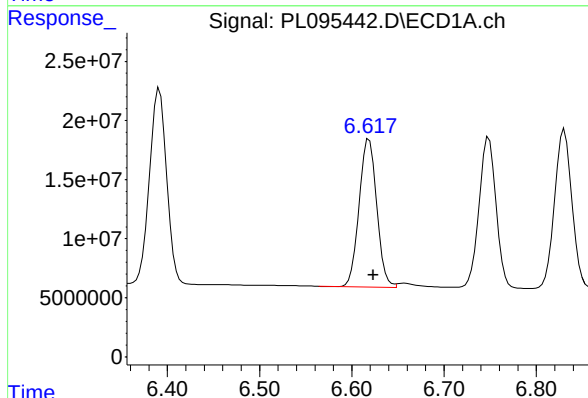
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



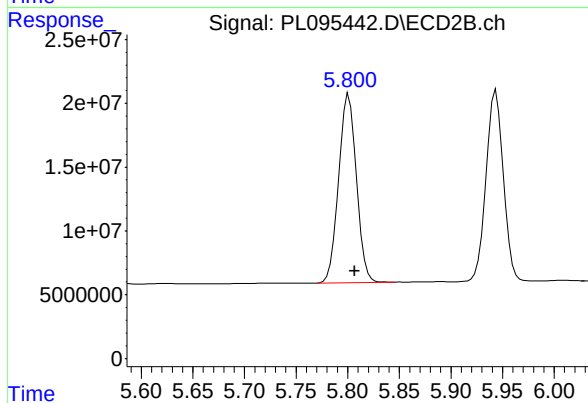
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 209120985
Conc: 51.42 ng/ml



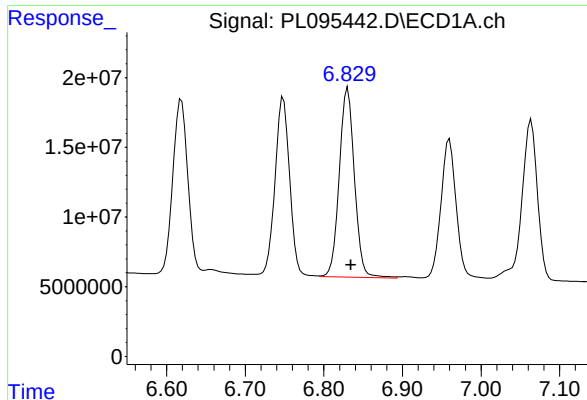
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166586501
Conc: 52.31 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 177005235
Conc: 48.62 ng/ml



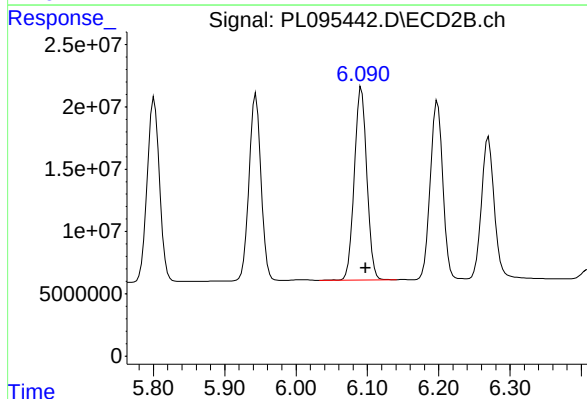
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 181808175
Conc: 56.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

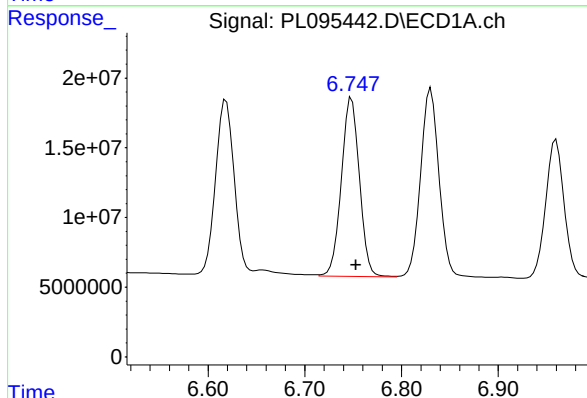
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



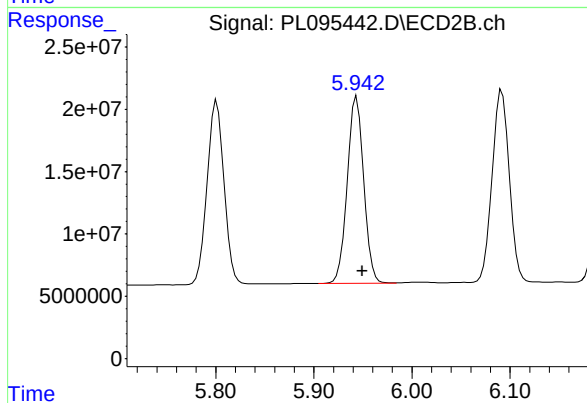
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.006 min
Response: 188795863
Conc: 52.57 ng/ml



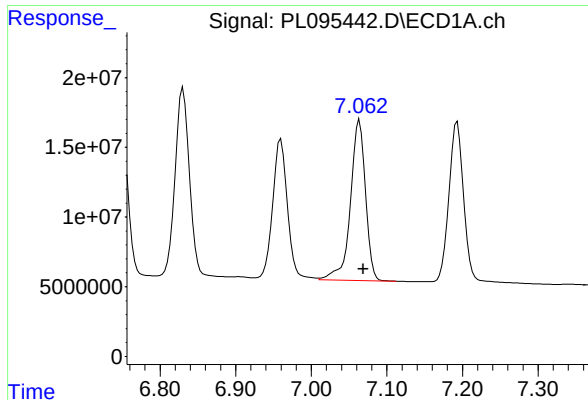
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 166203747
Conc: 58.71 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 174922118
Conc: 53.55 ng/ml



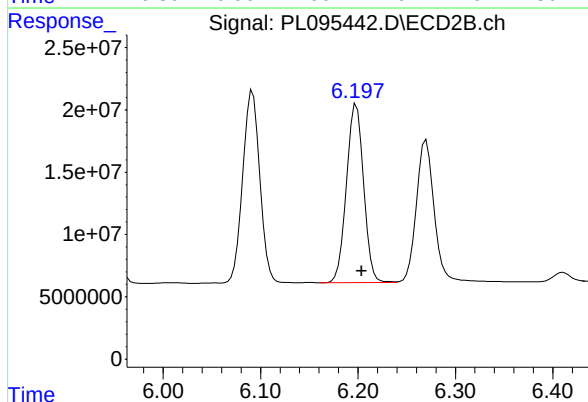
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159873682
Conc: 56.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

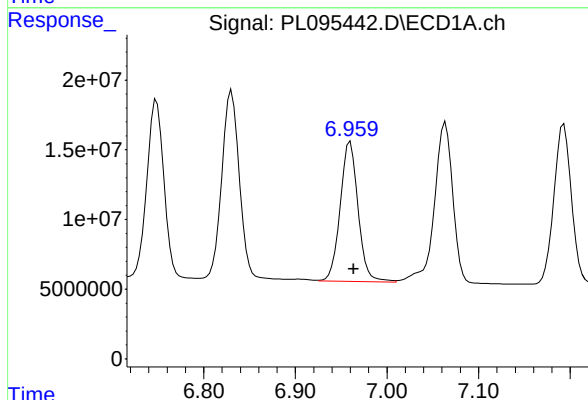
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



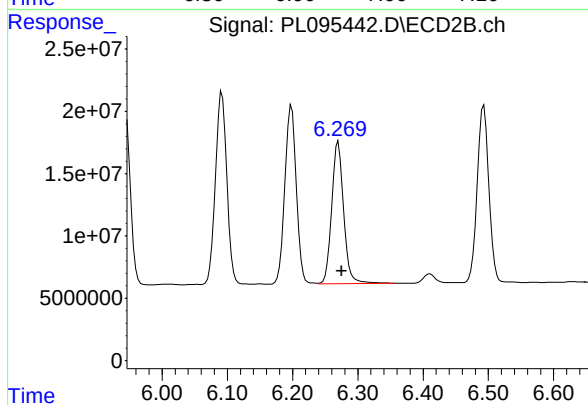
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 174826274
Conc: 50.88 ng/ml



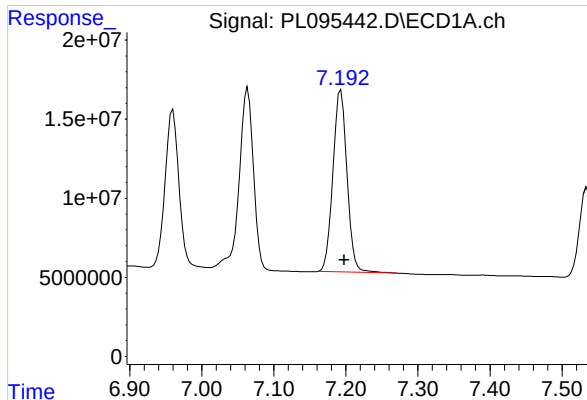
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 136513657
Conc: 58.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min
Delta R.T.: -0.005 min
Response: 144491719
Conc: 55.29 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 154730202
Conc: 55.23 ng/ml

Instrument :

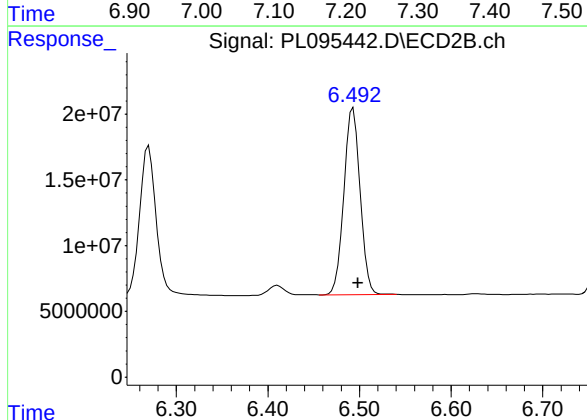
ECD_L

ClientSampleId :

PB167766BS

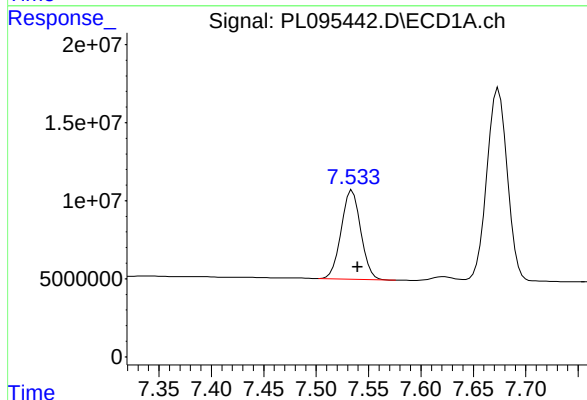
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



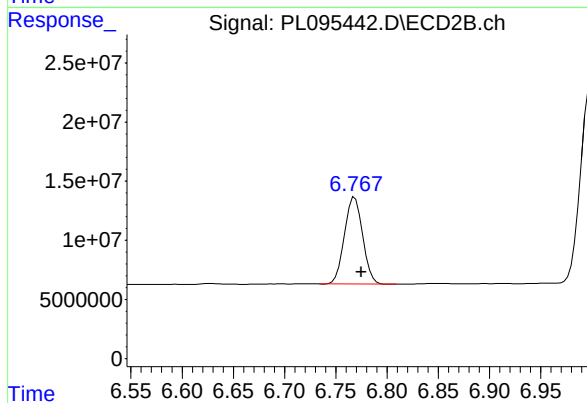
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.005 min
Response: 175690775
Conc: 52.95 ng/ml



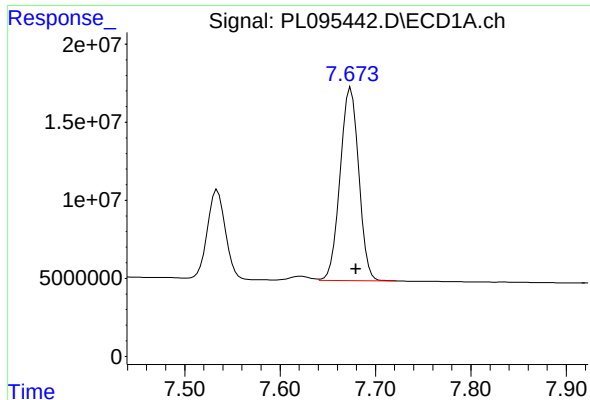
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 74241669
Conc: 53.21 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 90721249
Conc: 47.56 ng/ml



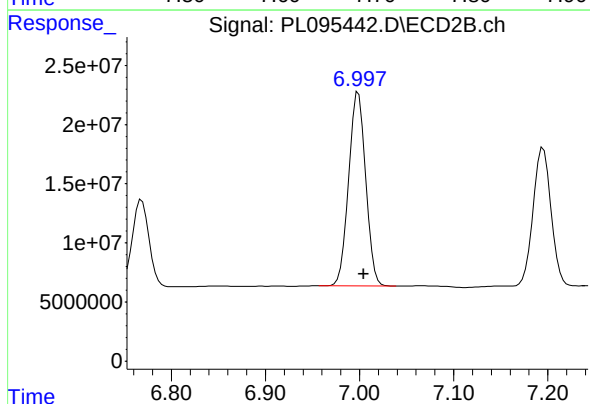
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 167563426
Conc: 58.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

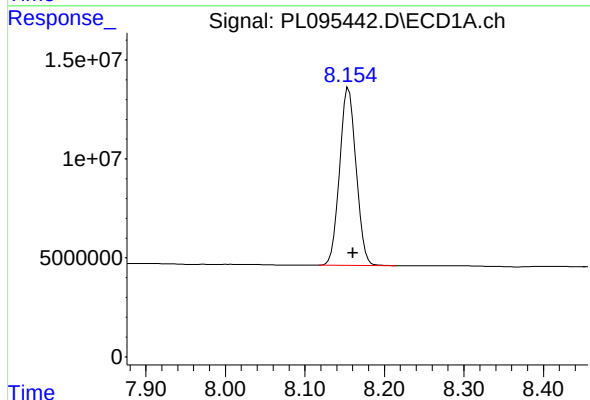
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



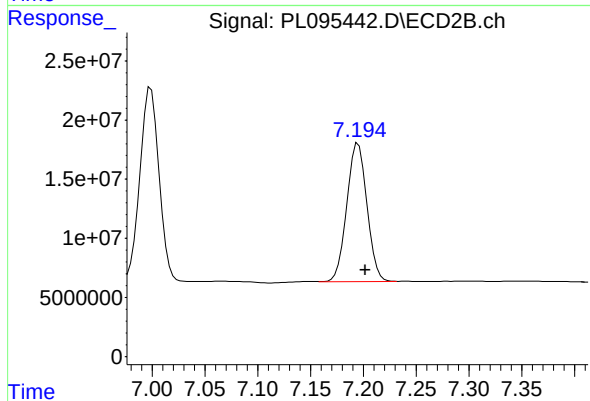
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 206495278
Conc: 58.64 ng/ml



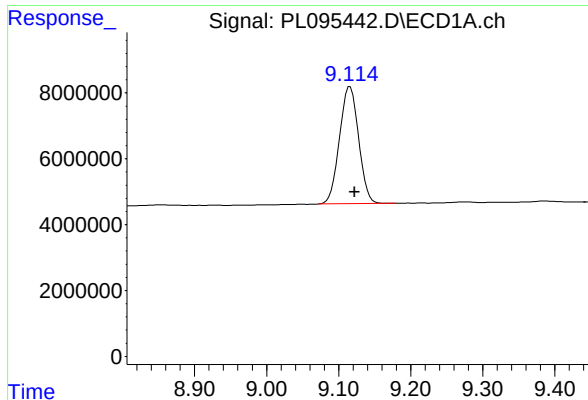
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.006 min
Response: 129133243
Conc: 54.35 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 155595564
Conc: 53.98 ng/ml m



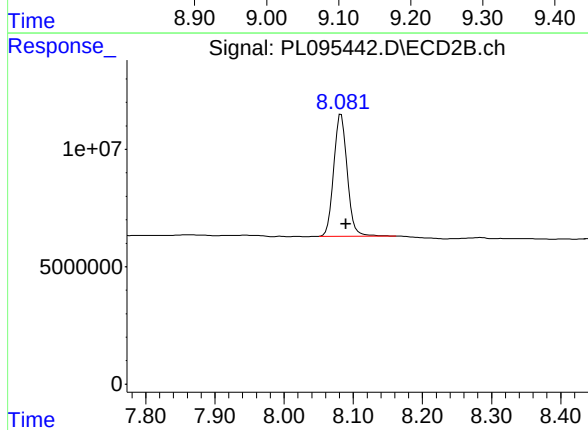
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.007 min
Response: 65376502
Conc: 23.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 70362619
Conc: 23.78 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-1MS	SDG No.:	Q1883
Lab Sample ID:	Q1889-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095444.D	1	04/28/25 09:05	04/28/25 17:22	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.021		0.00016	0.00040	0.0021	mg/Kg
319-85-7	beta-BHC	0.020		0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.021		0.00047	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.021		0.00017	0.00040	0.0021	mg/Kg
76-44-8	Heptachlor	0.020		0.00015	0.00040	0.0021	mg/Kg
309-00-2	Aldrin	0.020		0.00015	0.00040	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.021		0.00023	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.021		0.00017	0.00040	0.0021	mg/Kg
60-57-1	Dieldrin	0.021		0.00017	0.00040	0.0021	mg/Kg
72-55-9	4,4-DDE	0.021		0.00017	0.00040	0.0021	mg/Kg
72-20-8	Endrin	0.021		0.00017	0.00040	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.022		0.00035	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.023		0.00018	0.00040	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.022		0.00016	0.00040	0.0021	mg/Kg
50-29-3	4,4-DDT	0.021		0.00017	0.00040	0.0021	mg/Kg
72-43-5	Methoxychlor	0.020		0.00045	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.023		0.00023	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.022		0.00045	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.021		0.00015	0.00040	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.021		0.00018	0.00040	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0066	0.021	0.040	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.8		55 - 130		89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		42 - 129		92%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/24/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	COMP-1MS		SDG No.:	Q1883	
Lab Sample ID:	Q1889-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	82.5	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095444.D	1	04/28/25 09:05	04/28/25 17:22	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095444.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:22
 Operator : AR\AJ
 Sample : Q1889-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	59045523	58664256	18.086	18.449
2) SA Decachlor...	9.115	8.081	48789481	52807434	17.608	17.845m
Target Compounds						
2) A alpha-BHC	4.043	3.413	246.4E6	232.2E6	49.731	52.189
3) MA gamma-BHC...	4.373	3.747	235.9E6	225.1E6	49.841m	51.179
4) MA Heptachlor	4.972	4.100	222.0E6	213.7E6	48.530	49.049
5) MB Aldrin	5.314	4.386	228.4E6	207.1E6	49.732	50.326
6) B beta-BHC	4.560	4.038	100.8E6	103.1E6	48.744	49.685m
7) B delta-BHC	4.807	4.276	231.1E6	222.9E6	49.685m	50.876
8) B Heptachlo...	5.735	4.888	204.8E6	193.1E6	51.141	49.986
9) A Endosulfan I	6.117	5.261	197.6E6	184.7E6	52.026	50.470
10) B gamma-Chl...	5.989	5.141	213.4E6	202.3E6	52.305	49.910
11) B alpha-Chl...	6.070	5.205	210.1E6	199.1E6	51.676	50.023
12) B 4,4'-DDE	6.238	5.391	204.5E6	201.5E6	52.160	49.548
13) MA Dieldrin	6.391	5.526	202.9E6	200.6E6	52.642	49.313
14) MA Endrin	6.618	5.801	167.3E6	176.4E6	52.522	48.465
15) B Endosulfa...	6.830	6.091	174.4E6	185.3E6	54.630	51.603
16) A 4,4'-DDD	6.748	5.943	162.0E6	164.7E6	57.240	50.418
17) MA 4,4'-DDT	7.063	6.198	150.1E6	168.1E6	52.684	48.909
18) B Endrin al...	6.960	6.269	123.4E6	131.5E6	53.168	50.311
19) B Endosulfa...	7.193	6.493	149.2E6	164.0E6	53.264	49.433
20) A Methoxychlor	7.535	6.768	70476694	90353671	50.516	47.369
21) B Endrin ke...	7.674	6.998	154.8E6	198.0E6	54.283	56.235
22) Mirex	8.155	7.194	125.3E6	155.5E6	52.733	53.939

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:22
Operator : AR\AJ
Sample : Q1889-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MS

Manual Integrations

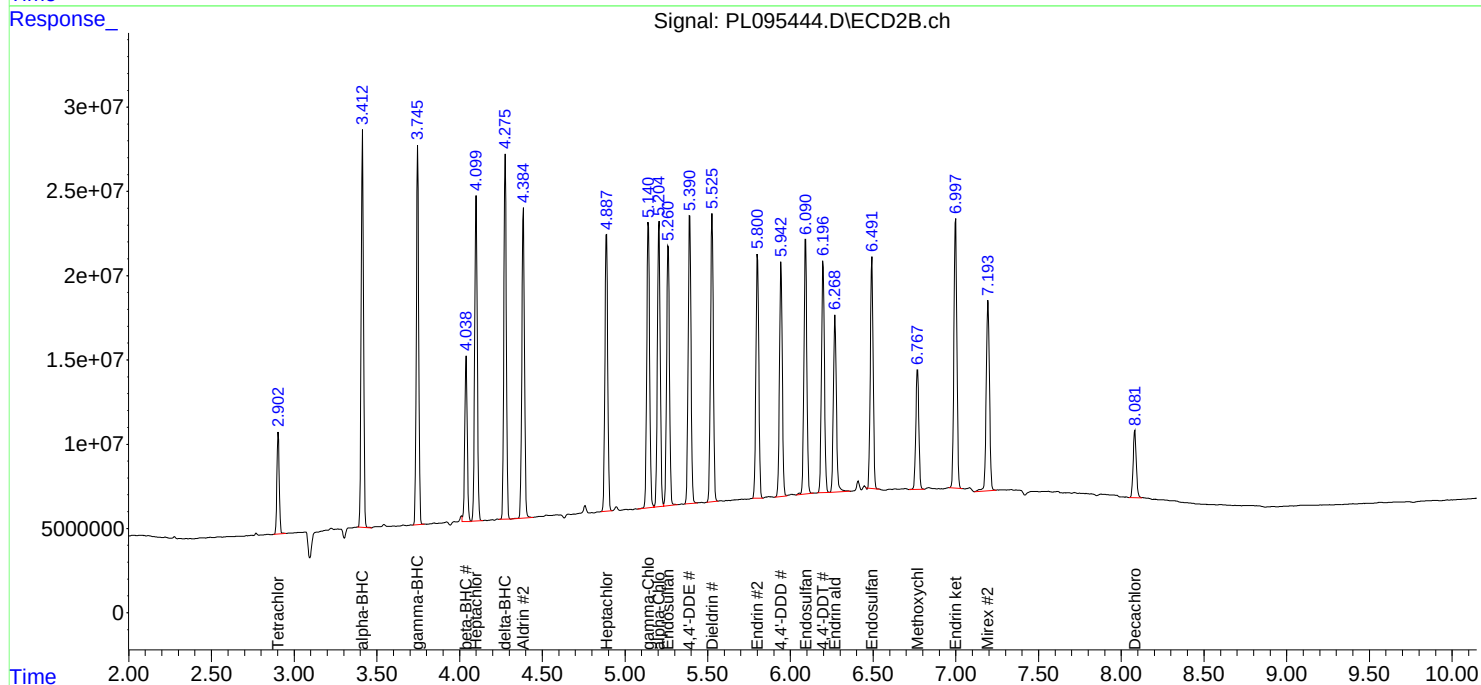
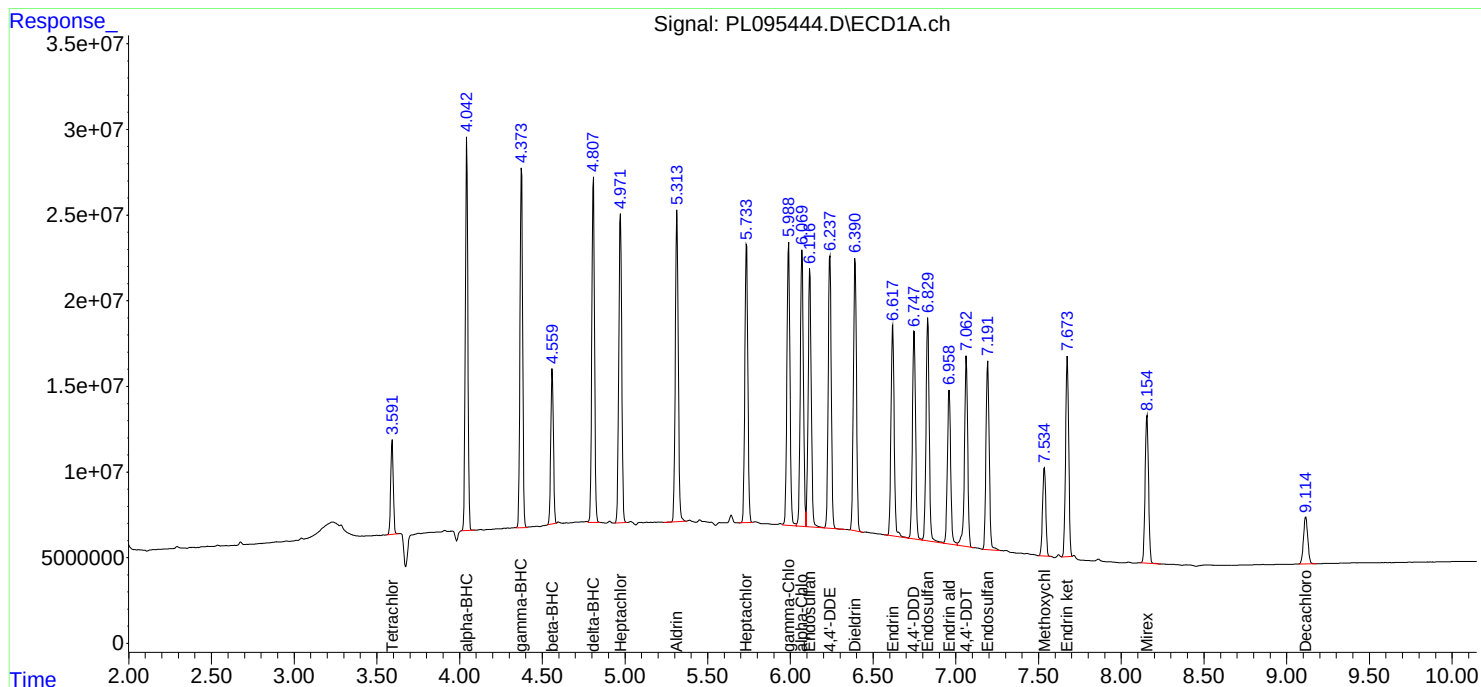
APPROVED

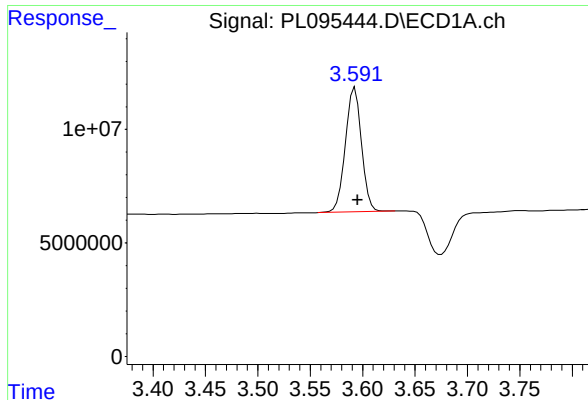
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





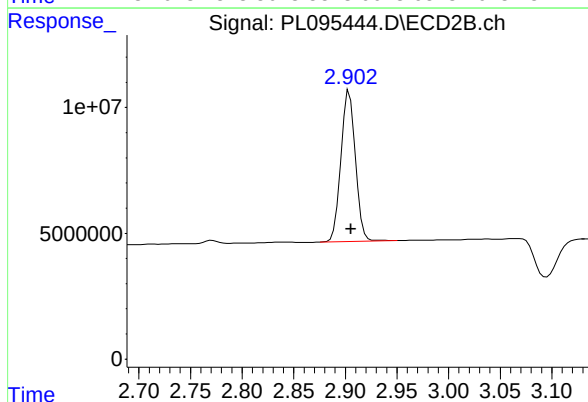
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 59045523
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

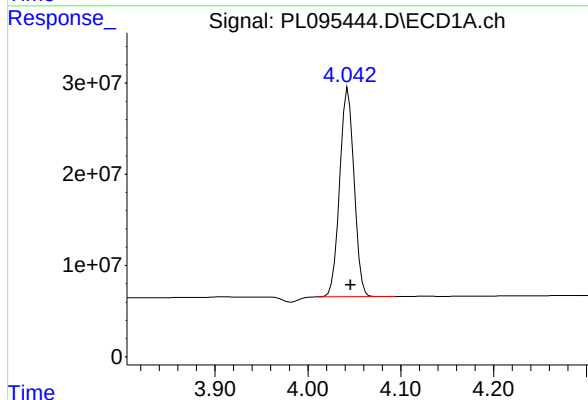
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



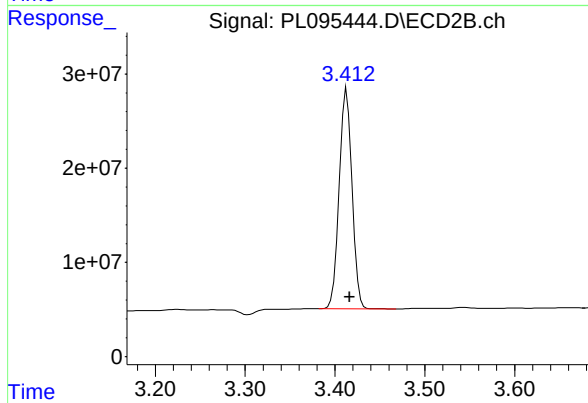
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 58664256
Conc: 18.45 ng/ml



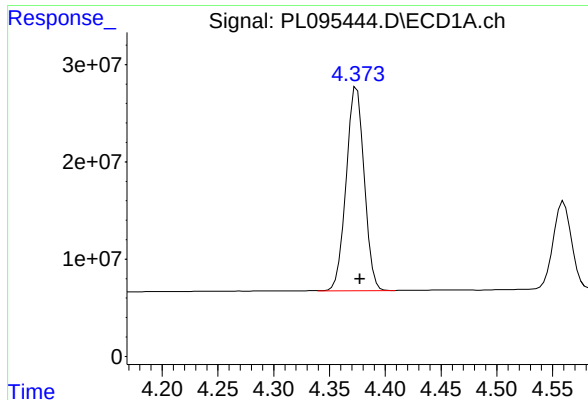
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 246353848
Conc: 49.73 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 232176269
Conc: 52.19 ng/ml



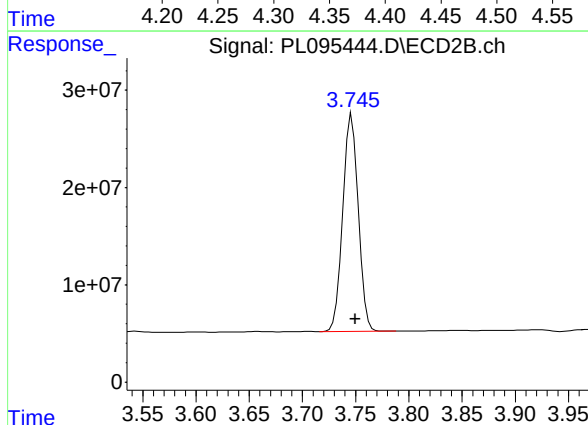
#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 235946145
Conc: 49.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

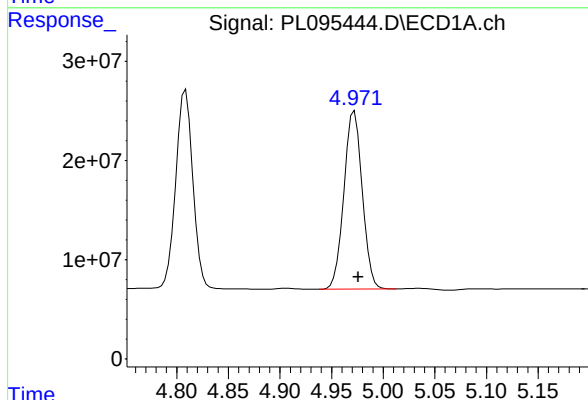
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



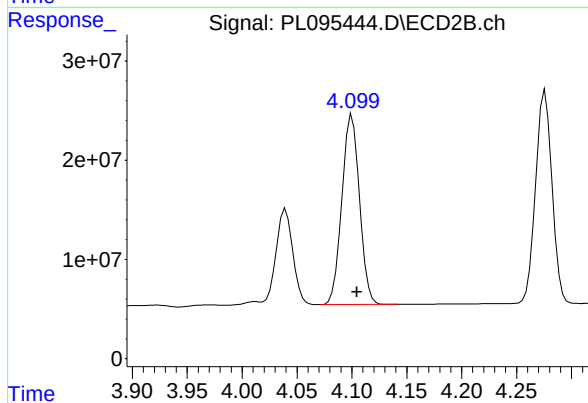
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 225096372
Conc: 51.18 ng/ml



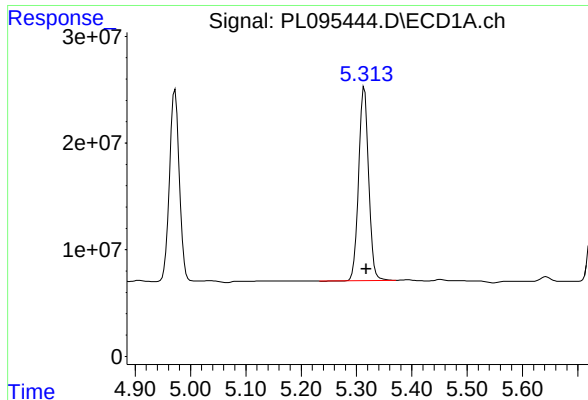
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 221999339
Conc: 48.53 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 213690746
Conc: 49.05 ng/ml



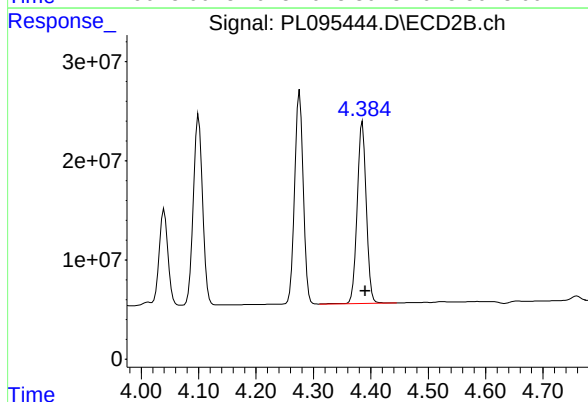
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 228420785
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

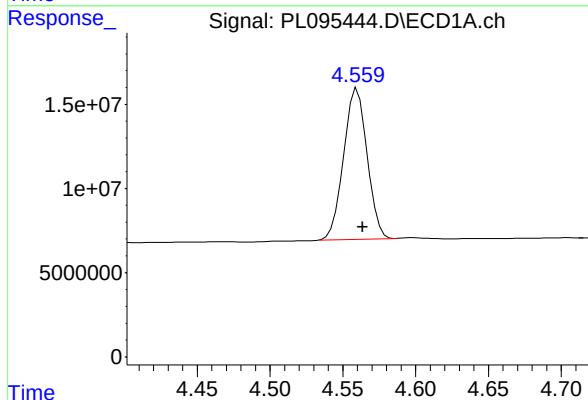
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



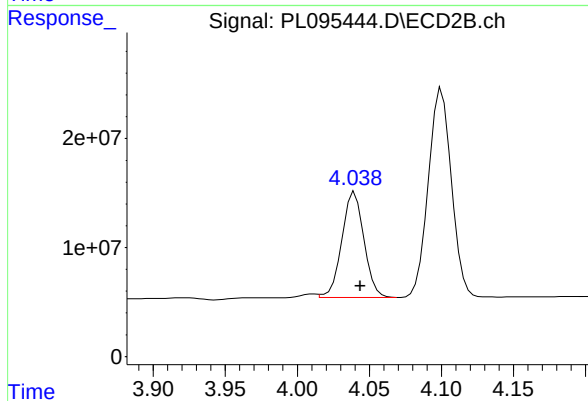
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 207127485
Conc: 50.33 ng/ml



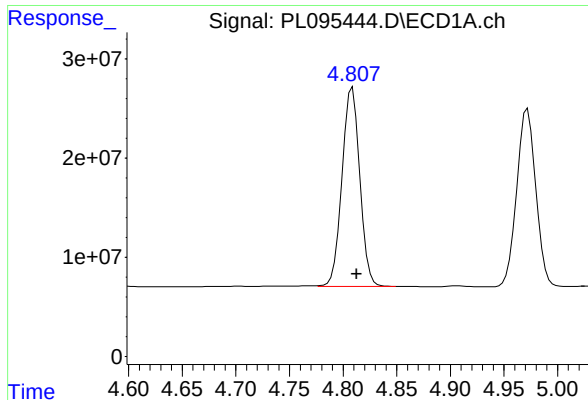
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 100778322
Conc: 48.74 ng/ml



#6 beta-BHC

R.T.: 4.038 min
Delta R.T.: -0.005 min
Response: 103139520
Conc: 49.69 ng/ml m



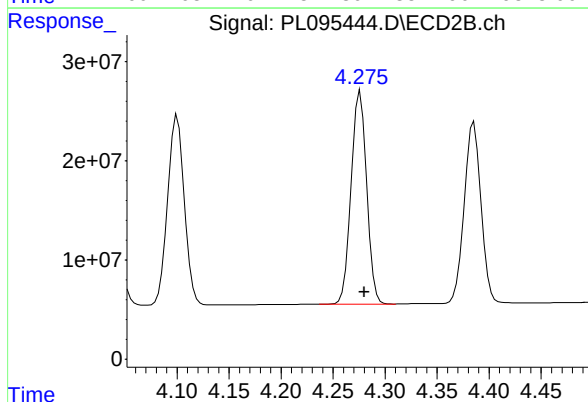
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 231069724
Conc: 49.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

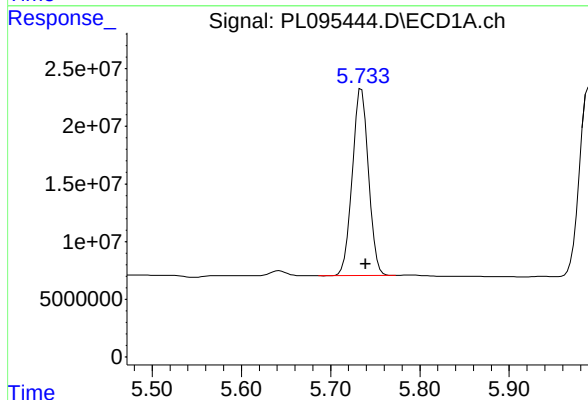
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



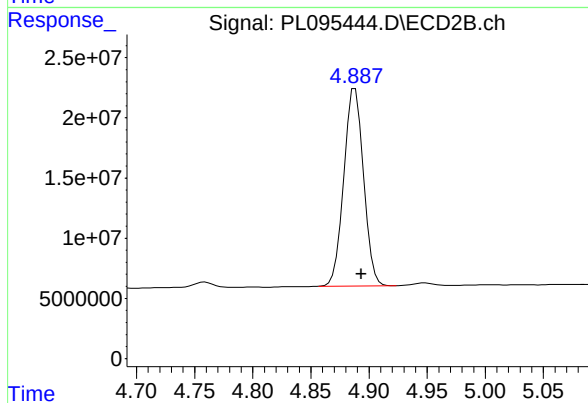
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 222937632
Conc: 50.88 ng/ml



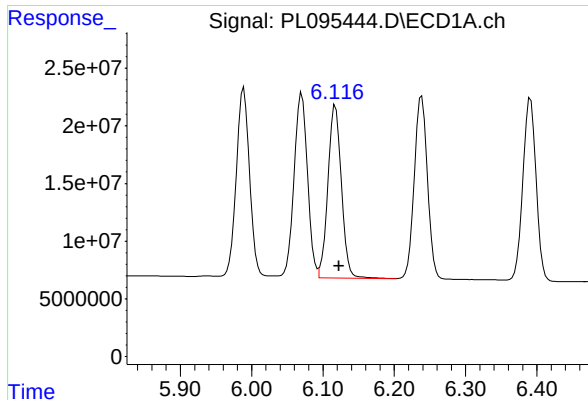
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 204828759
Conc: 51.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 193077876
Conc: 49.99 ng/ml



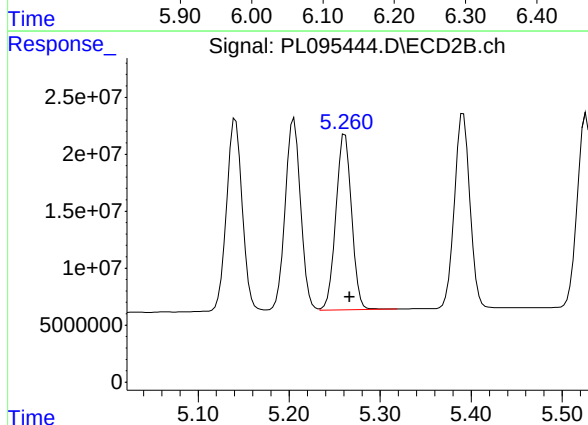
#9 Endosulfan I

R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 197567431
Conc: 52.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

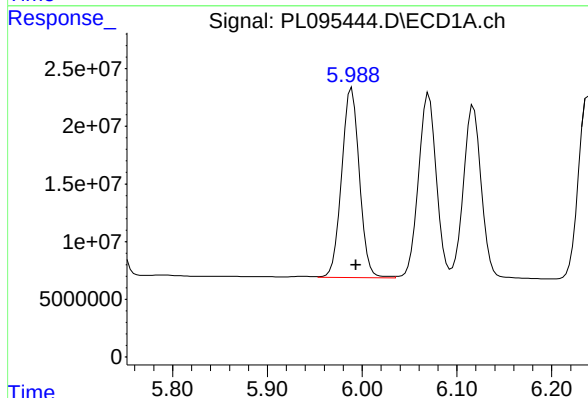
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



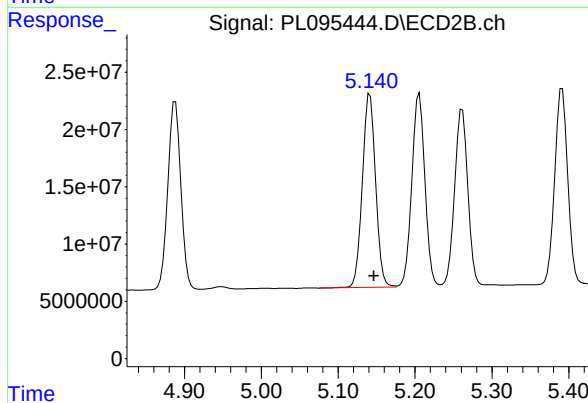
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.005 min
Response: 184742608
Conc: 50.47 ng/ml



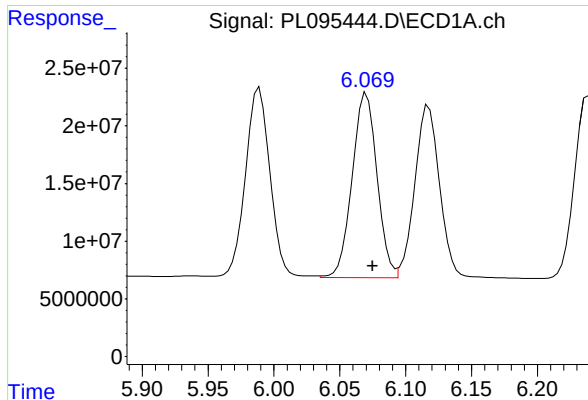
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 213369924
Conc: 52.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 202269991
Conc: 49.91 ng/ml



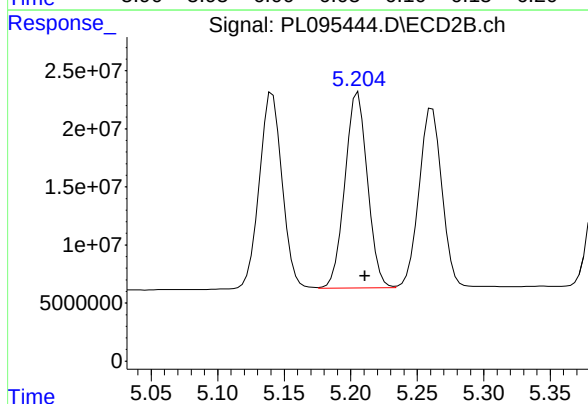
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 210118144
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

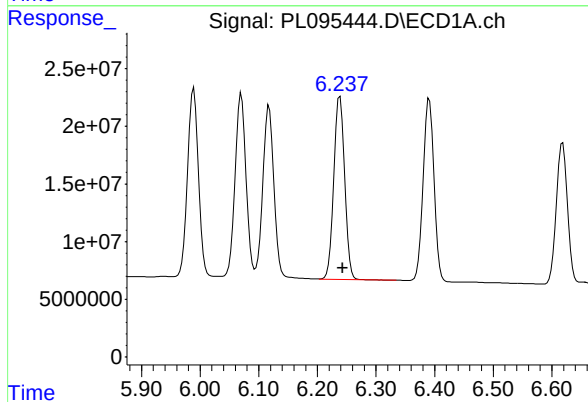
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



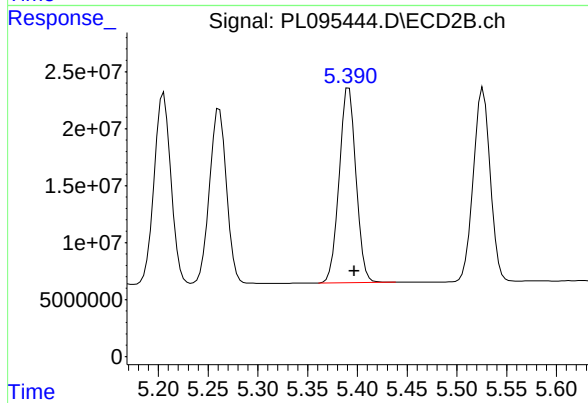
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 199144814
Conc: 50.02 ng/ml



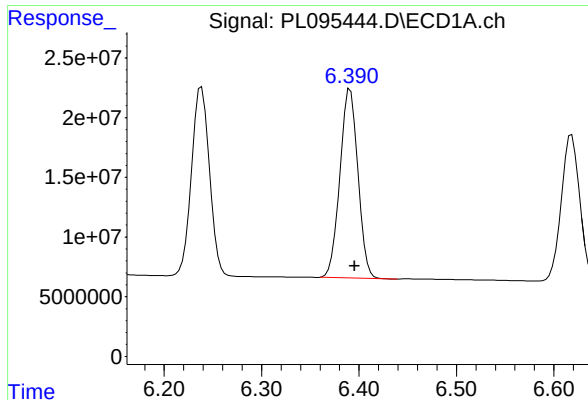
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 204496016
Conc: 52.16 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.005 min
Response: 201510459
Conc: 49.55 ng/ml



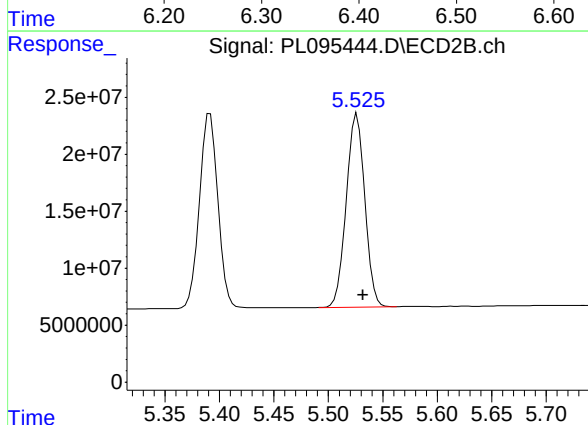
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 202923413
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

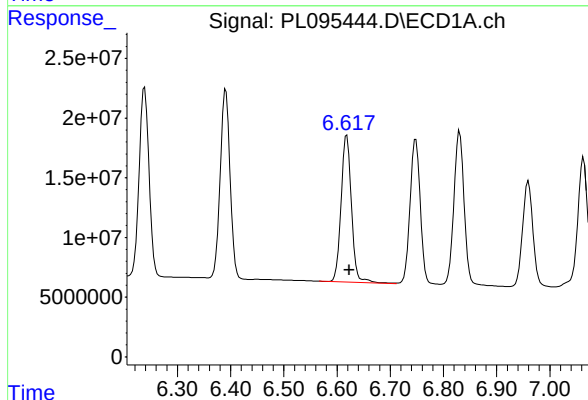
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



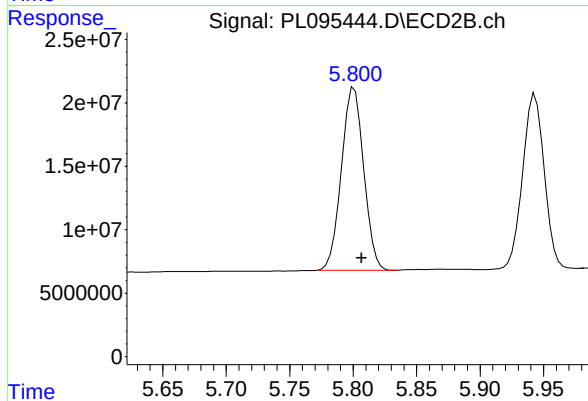
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 200559713
Conc: 49.31 ng/ml



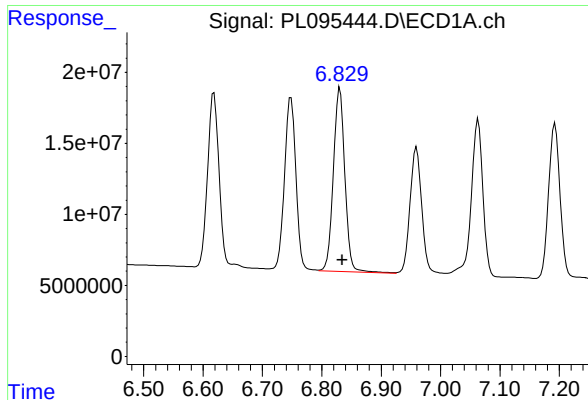
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 167268050
Conc: 52.52 ng/ml



#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 176447243
Conc: 48.46 ng/ml



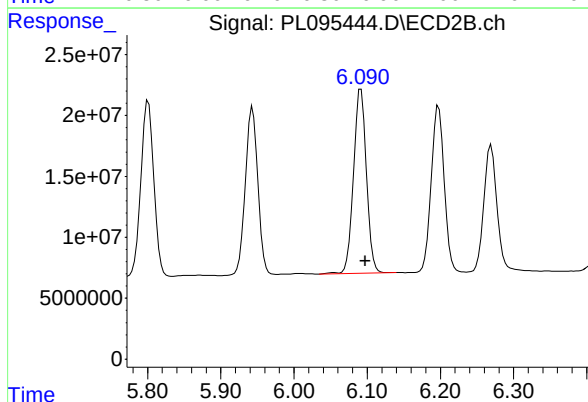
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 174387772
Conc: 54.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

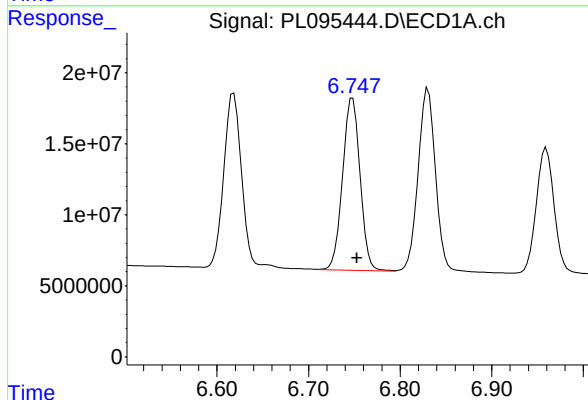
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



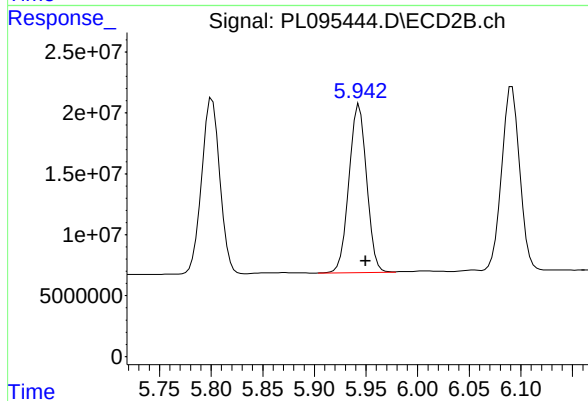
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 185313045
Conc: 51.60 ng/ml



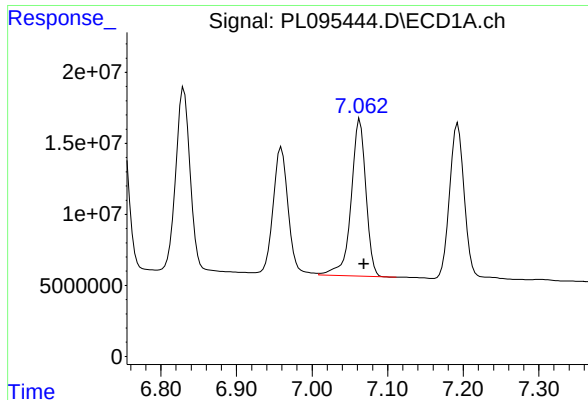
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 162043381
Conc: 57.24 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 164705892
Conc: 50.42 ng/ml



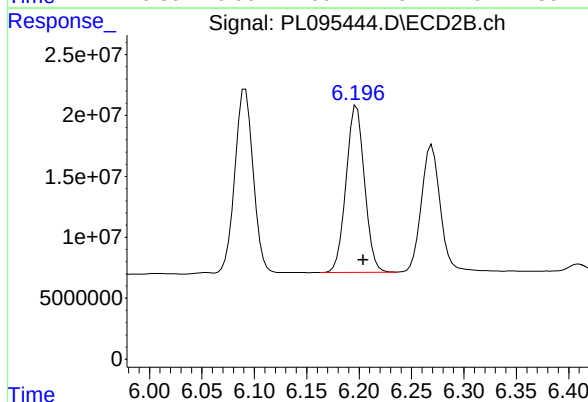
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 150074347
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

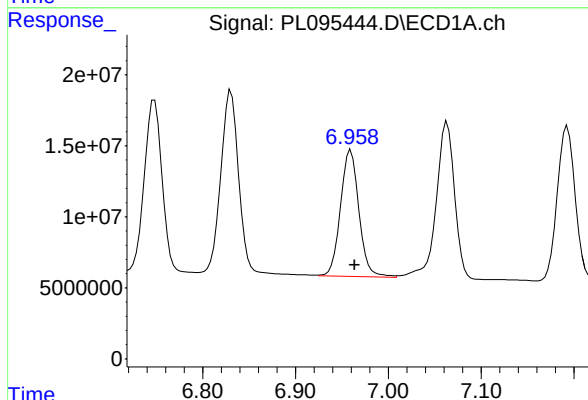
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



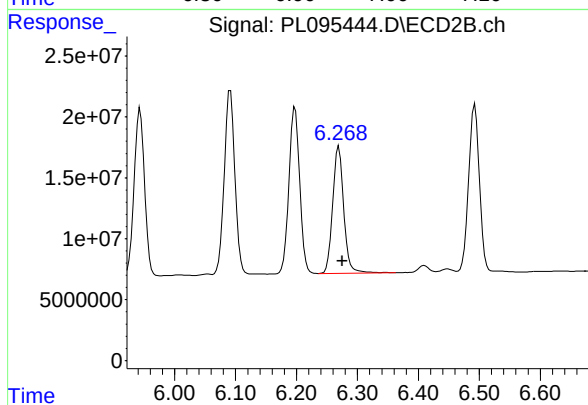
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 168061473
Conc: 48.91 ng/ml



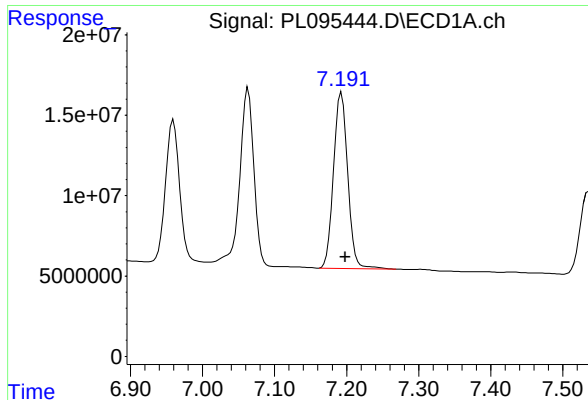
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 123392865
Conc: 53.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 131471183
Conc: 50.31 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 149235960
Conc: 53.26 ng/ml

Instrument :

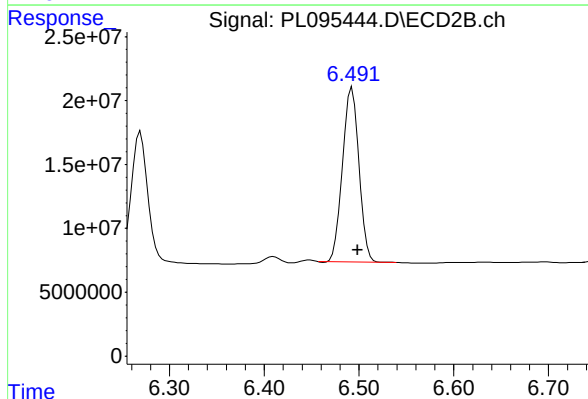
ECD_L

ClientSampleId :

COMP-1MS

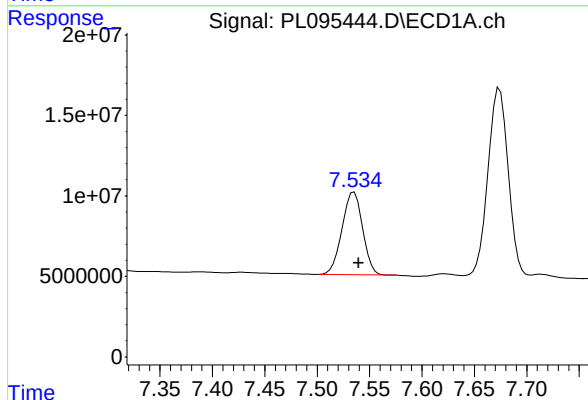
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



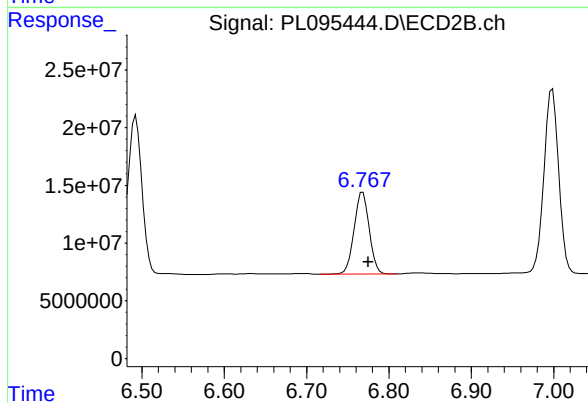
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 164013758
Conc: 49.43 ng/ml



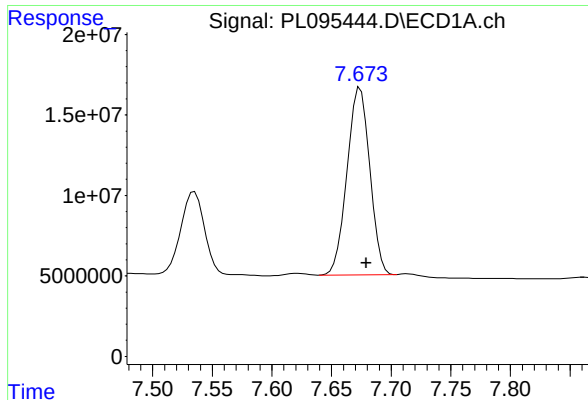
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.004 min
Response: 70476694
Conc: 50.52 ng/ml



#20 Methoxychlor

R.T.: 6.768 min
Delta R.T.: -0.007 min
Response: 90353671
Conc: 47.37 ng/ml



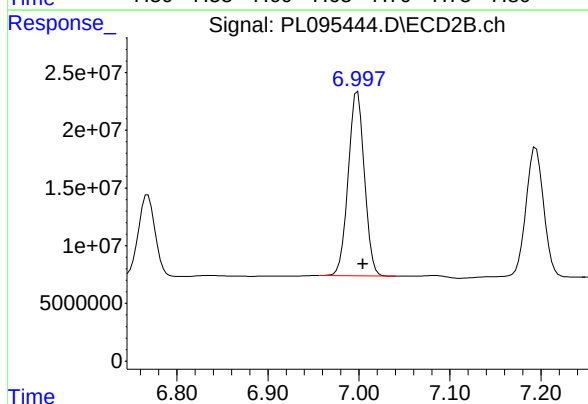
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 154755354
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

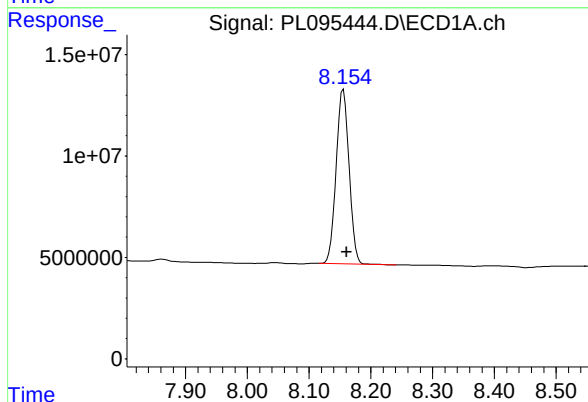
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



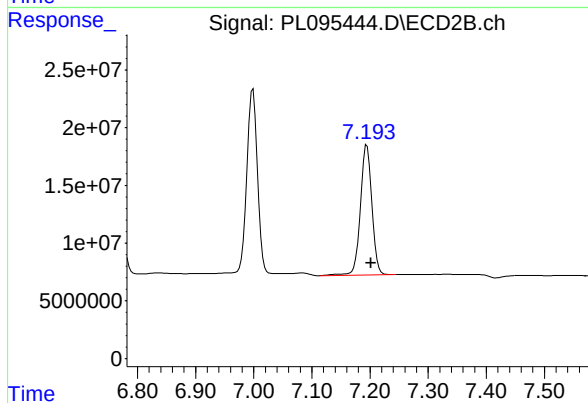
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 198021326
Conc: 56.24 ng/ml



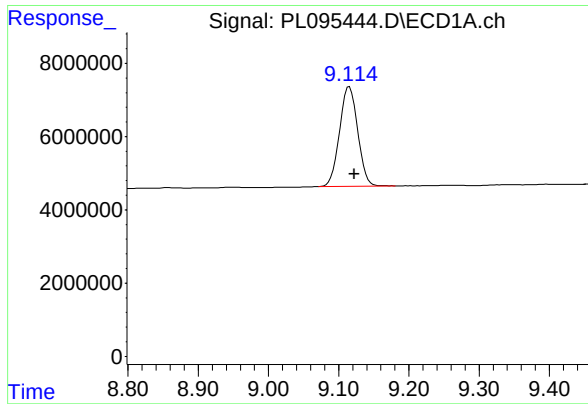
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 125294670
Conc: 52.73 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 155472549
Conc: 53.94 ng/ml



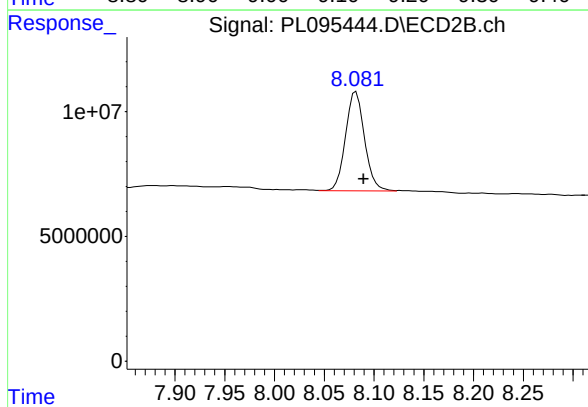
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48789481
Conc: 17.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.009 min
Response: 52807434
Conc: 17.84 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-1MSD	SDG No.:	Q1883
Lab Sample ID:	Q1889-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095445.D	1	04/28/25 09:05	04/28/25 17:36	PB167766

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.021		0.00016	0.00040	0.0021	mg/Kg
319-85-7	beta-BHC	0.020		0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.020		0.00047	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.021		0.00017	0.00040	0.0021	mg/Kg
76-44-8	Heptachlor	0.020		0.00015	0.00040	0.0021	mg/Kg
309-00-2	Aldrin	0.020		0.00015	0.00040	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.020		0.00023	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.021		0.00017	0.00040	0.0021	mg/Kg
60-57-1	Dieldrin	0.021		0.00017	0.00040	0.0021	mg/Kg
72-55-9	4,4-DDE	0.021		0.00017	0.00040	0.0021	mg/Kg
72-20-8	Endrin	0.021		0.00017	0.00040	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.022		0.00035	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.023		0.00018	0.00040	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.021		0.00016	0.00040	0.0021	mg/Kg
50-29-3	4,4-DDT	0.021		0.00017	0.00040	0.0021	mg/Kg
72-43-5	Methoxychlor	0.020		0.00045	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.023		0.00023	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.022		0.00045	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.021		0.00015	0.00040	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.021		0.00018	0.00040	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0065	0.021	0.040	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.4		55 - 130		87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		42 - 129		90%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/24/25	
Project:	Raymark Superfund Site		Date Received:	04/25/25	
Client Sample ID:	COMP-1MSD		SDG No.:	Q1883	
Lab Sample ID:	Q1889-01MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	82.5	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095445.D	1	04/28/25 09:05	04/28/25 17:36	PB167766

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:36
 Operator : AR\AJ
 Sample : Q1889-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.904	58425493	57181041	17.896	17.983
28) SA Decachlor...	9.115	8.082	48269853	50724520	17.421	17.141
Target Compounds						
2) A alpha-BHC	4.043	3.413	244.0E6	230.1E6	49.246	51.714
3) MA gamma-BHC...	4.373	3.746	233.1E6	223.2E6	49.250m	50.759
4) MA Heptachlor	4.972	4.100	220.7E6	211.6E6	48.253	48.570
5) MB Aldrin	5.314	4.385	226.3E6	205.2E6	49.265	49.868
6) B beta-BHC	4.560	4.040	99681902	101.3E6	48.213	48.788
7) B delta-BHC	4.807	4.276	229.1E6	220.8E6	49.267m	50.394
8) B Heptachlo...	5.734	4.888	202.9E6	191.0E6	50.672	49.444
9) A Endosulfan I	6.118	5.261	195.4E6	183.0E6	51.447	49.992
10) B gamma-Chl...	5.989	5.139	210.5E6	199.2E6	51.599	49.159m
11) B alpha-Chl...	6.070	5.205	207.8E6	197.3E6	51.099	49.557
12) B 4,4'-DDE	6.239	5.391	201.8E6	200.1E6	51.474	49.212
13) MA Dieldrin	6.391	5.526	201.0E6	198.0E6	52.152	48.673
14) MA Endrin	6.618	5.800	166.1E6	173.9E6	52.144	47.763
15) B Endosulfa...	6.830	6.091	172.1E6	181.9E6	53.929	50.658
16) A 4,4'-DDD	6.748	5.943	160.2E6	163.5E6	56.592	50.063
17) MA 4,4'-DDT	7.063	6.197	147.7E6	166.4E6	51.833	48.437
18) B Endrin al...	6.959	6.269	123.5E6	131.7E6	53.199	50.398
19) B Endosulfa...	7.193	6.491	148.4E6	166.1E6	52.983	50.059m
20) A Methoxychlor	7.534	6.767	69311509	90789266	49.681	47.598
21) B Endrin ke...	7.674	6.998	153.1E6	197.1E6	53.699	55.985
22) Mirex	8.155	7.194	123.5E6	150.6E6	51.990	52.263

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:36
Operator : AR\AJ
Sample : Q1889-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-1MSD

Manual Integrations

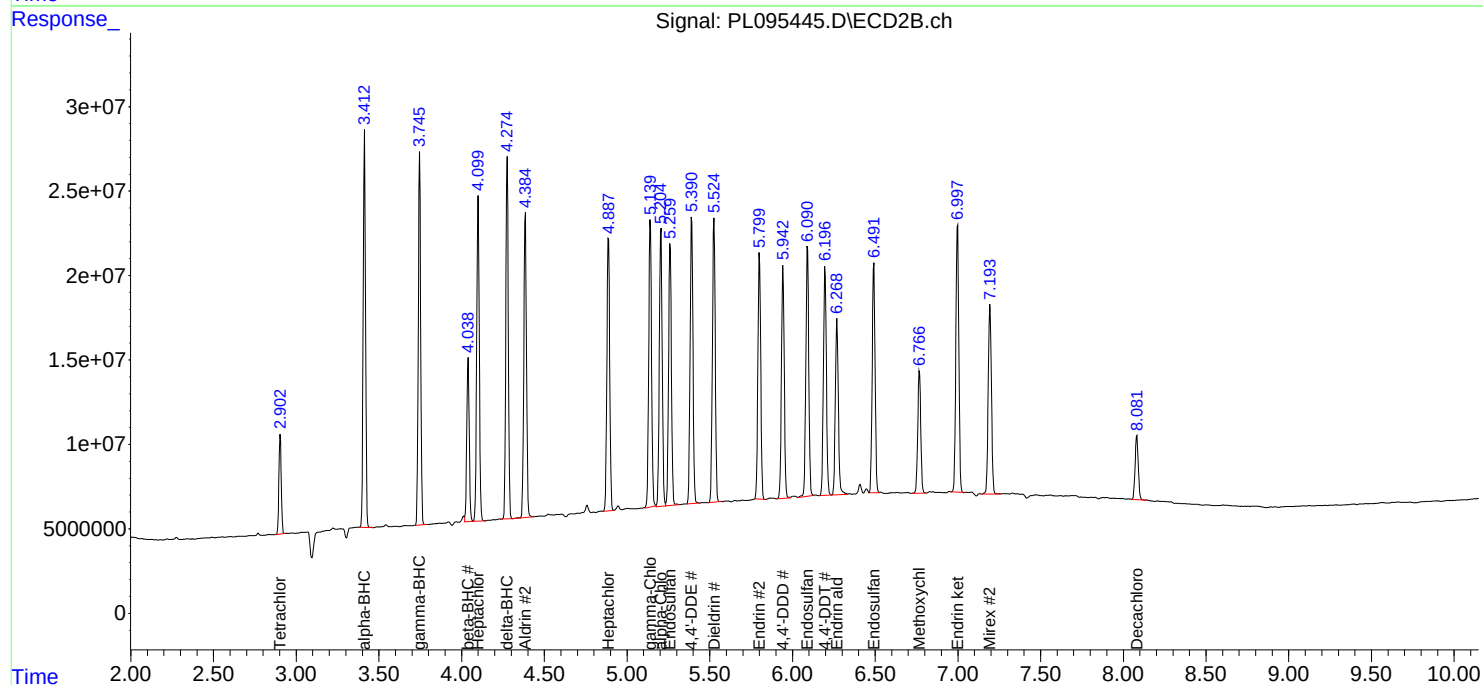
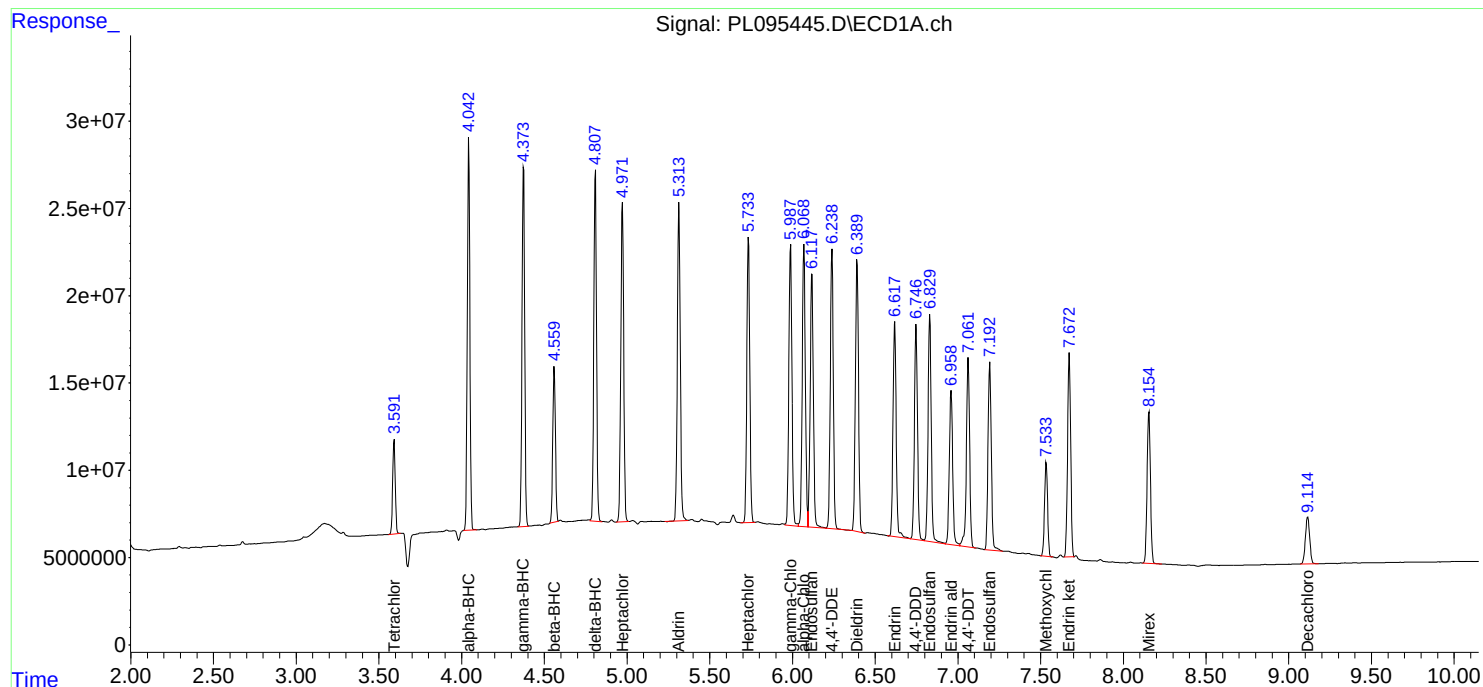
APPROVED

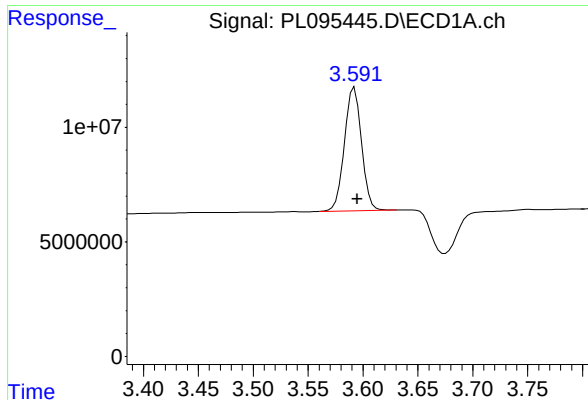
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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.: 3.592 min
Delta R.T.: -0.003 min
Response: 58425493
Conc: 17.90 ng/ml

Instrument :

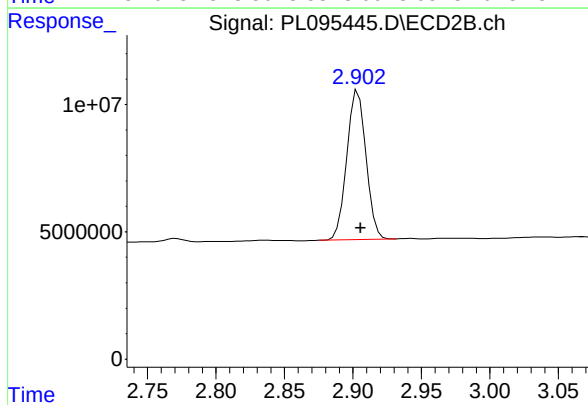
ECD_L

ClientSampleId :

COMP-1MSD

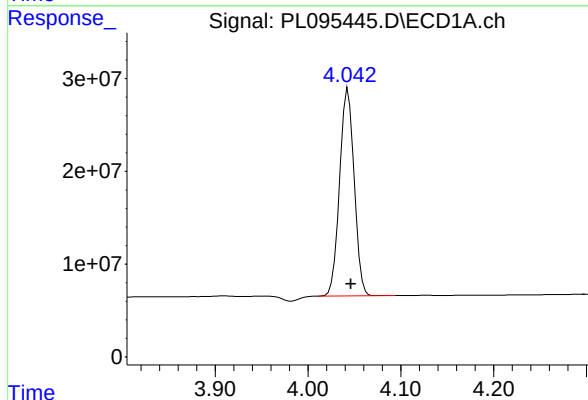
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



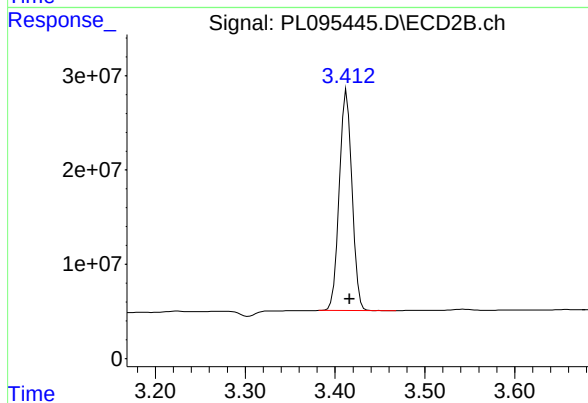
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 57181041
Conc: 17.98 ng/ml



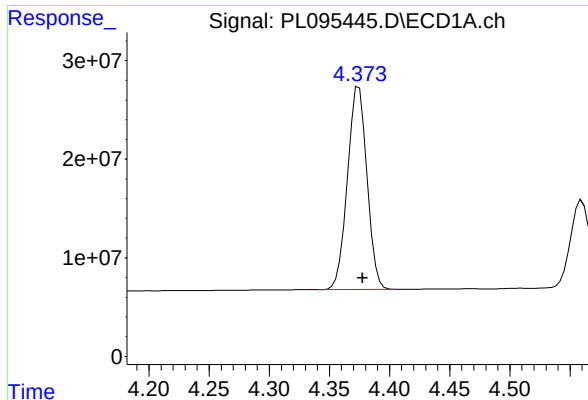
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 243952524
Conc: 49.25 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 230059505
Conc: 51.71 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.373 min
Delta R.T.: -0.004 min
Response: 233147631
Conc: 49.25 ng/ml

Instrument :

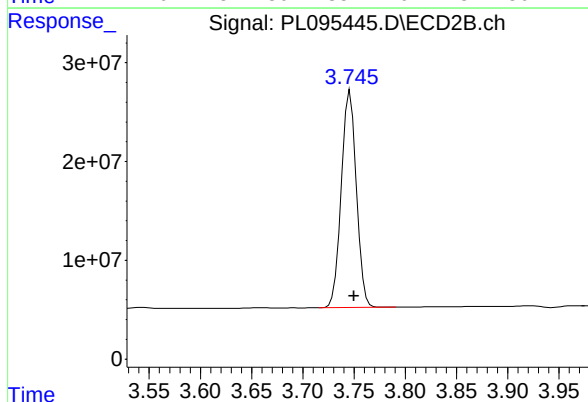
ECD_L

ClientSampleId :

COMP-1MSD

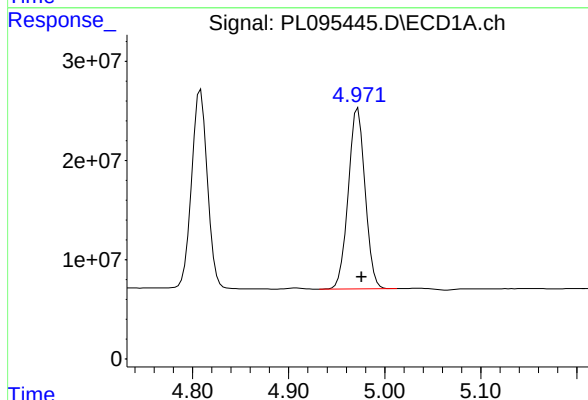
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



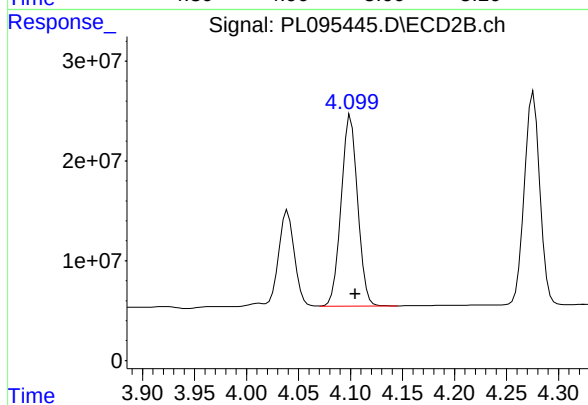
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 223249487
Conc: 50.76 ng/ml



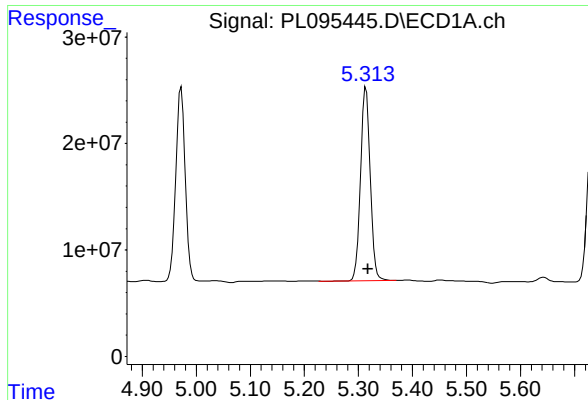
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 220731302
Conc: 48.25 ng/ml



#4 Heptachlor

R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 211603932
Conc: 48.57 ng/ml



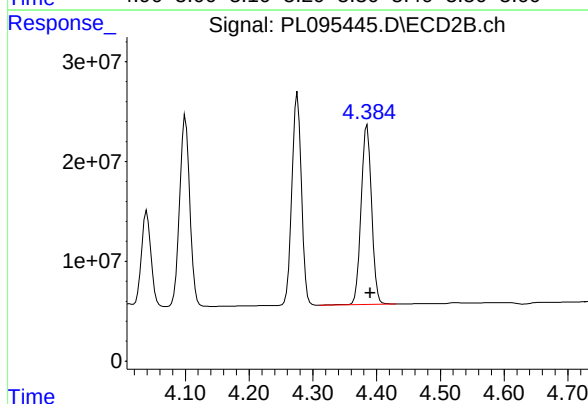
#5 Aldrin

R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 226277485
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

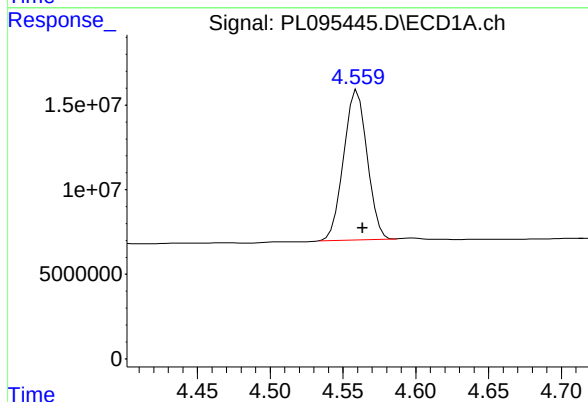
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



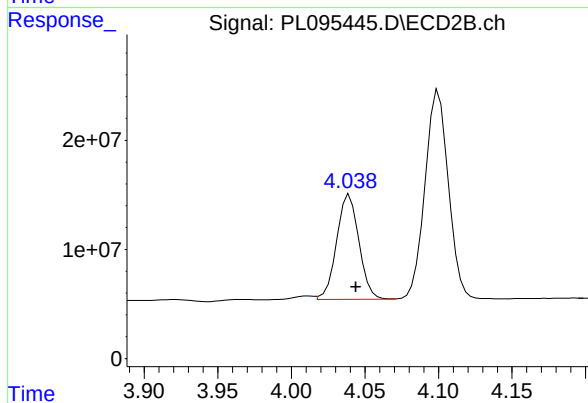
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 205240915
Conc: 49.87 ng/ml



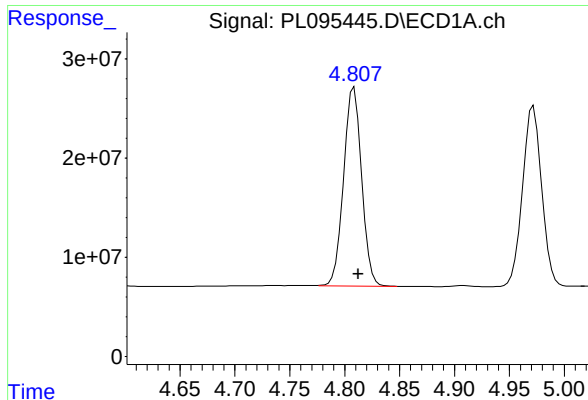
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 99681902
Conc: 48.21 ng/ml



#6 beta-BHC

R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 101276899
Conc: 48.79 ng/ml



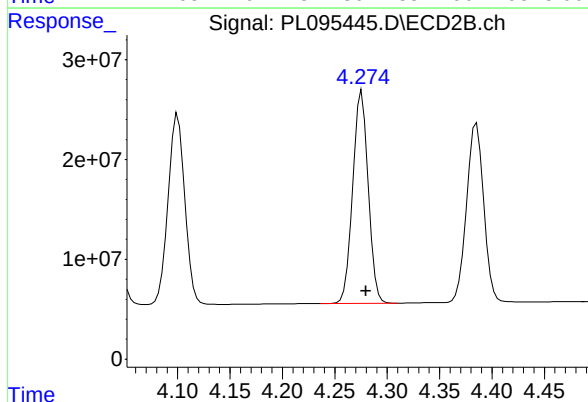
#7 delta-BHC

R.T.: 4.807 min
Delta R.T.: -0.005 min
Response: 229124019
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

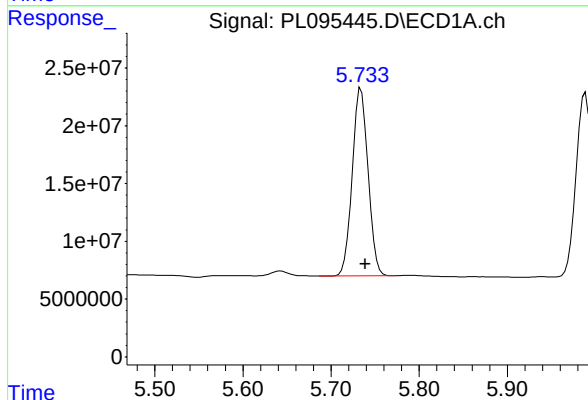
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



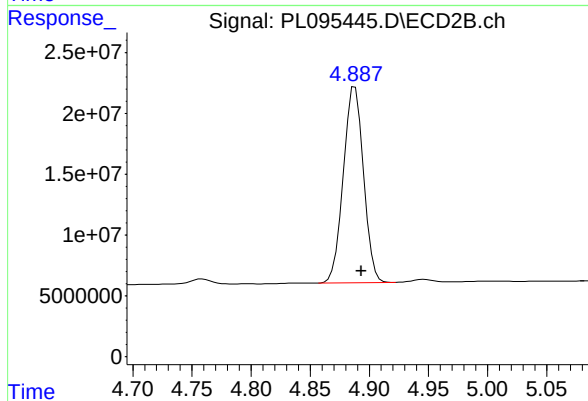
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 220825463
Conc: 50.39 ng/ml



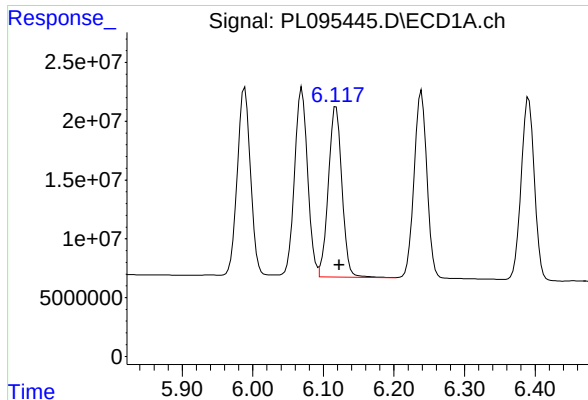
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 202948285
Conc: 50.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 190983581
Conc: 49.44 ng/ml



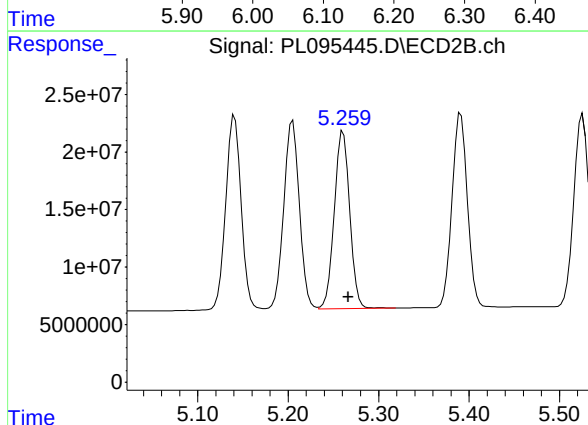
#9 Endosulfan I

R.T.: 6.118 min
Delta R.T.: -0.005 min
Response: 195369904
Conc: 51.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

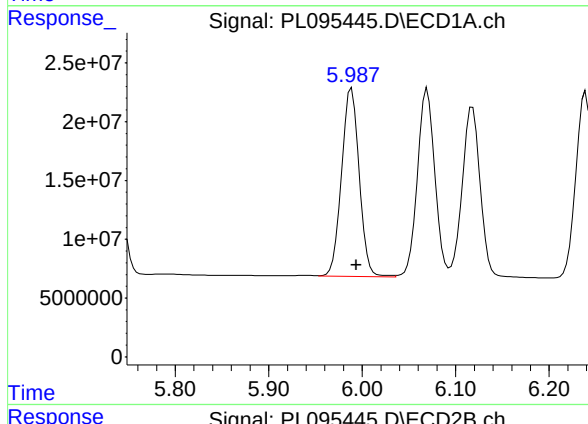
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



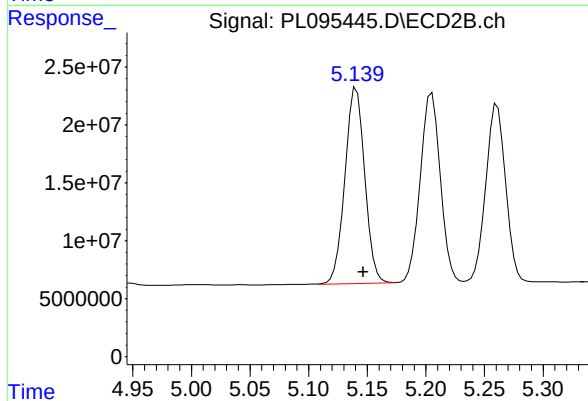
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 182992742
Conc: 49.99 ng/ml



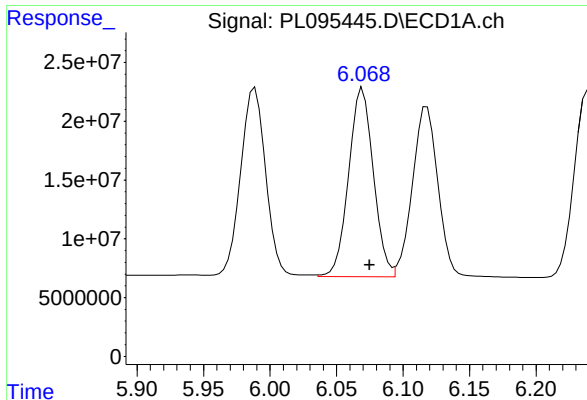
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 210490219
Conc: 51.60 ng/ml



#10 gamma-Chlordane

R.T.: 5.139 min
Delta R.T.: -0.007 min
Response: 199224779
Conc: 49.16 ng/ml m



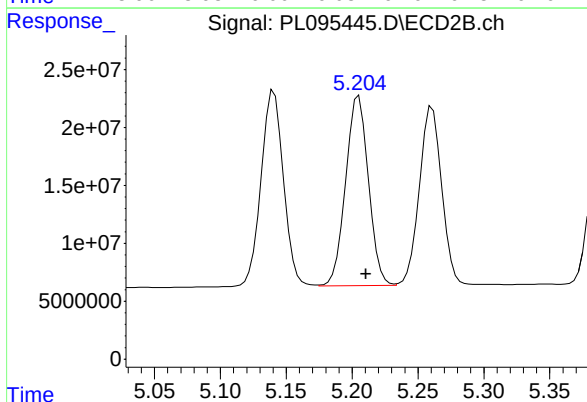
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 207771905
Conc: 51.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

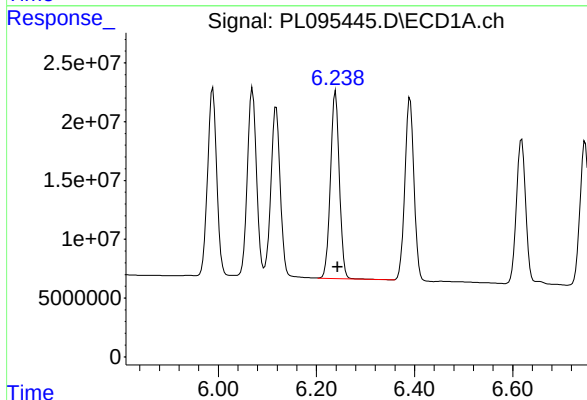
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



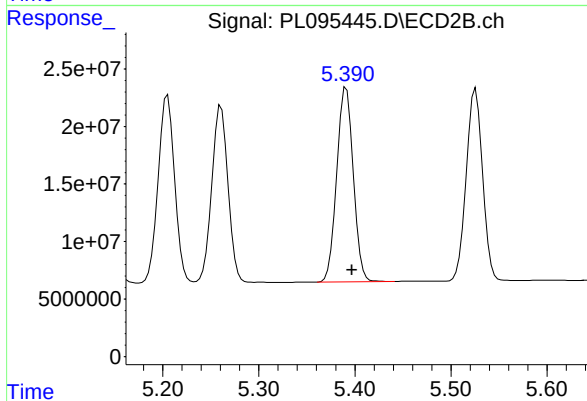
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 197287942
Conc: 49.56 ng/ml



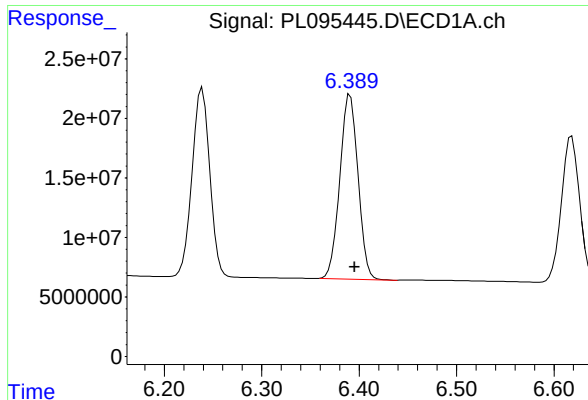
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 201807618
Conc: 51.47 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 200143435
Conc: 49.21 ng/ml



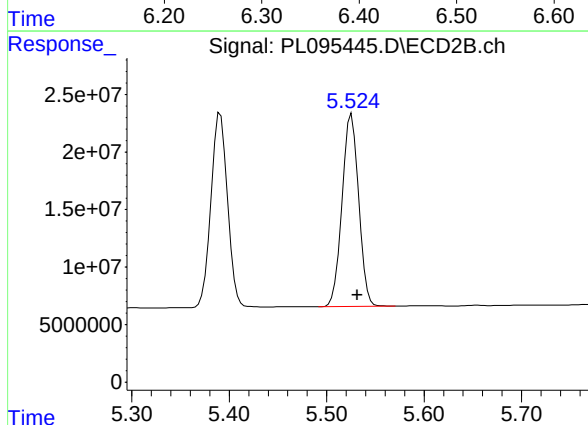
#13 Dieldrin

R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 201035235
Conc: 52.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

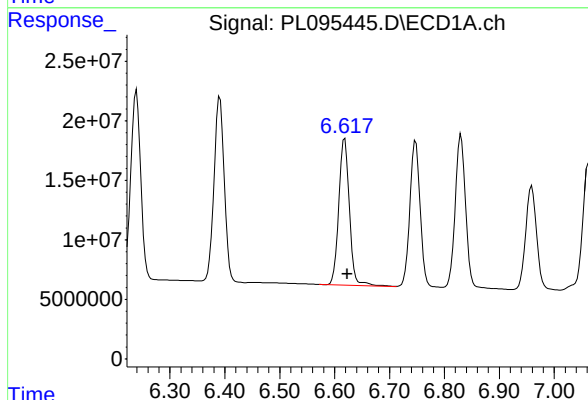
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



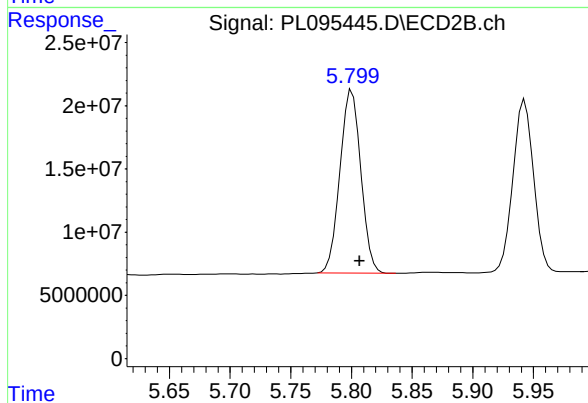
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 197957738
Conc: 48.67 ng/ml



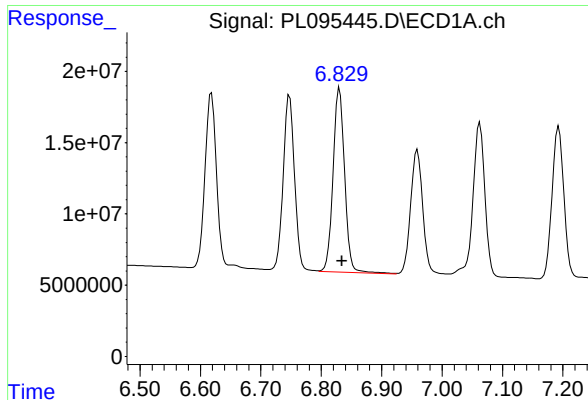
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 166064146
Conc: 52.14 ng/ml



#14 Endrin

R.T.: 5.800 min
Delta R.T.: -0.006 min
Response: 173893071
Conc: 47.76 ng/ml



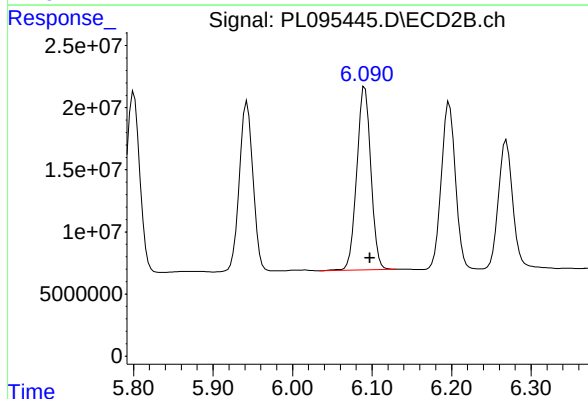
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 172148584
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

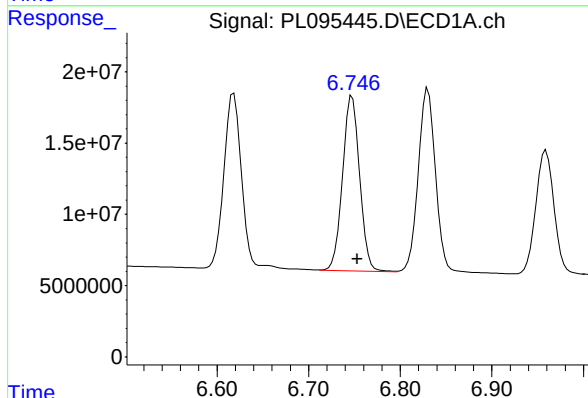
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



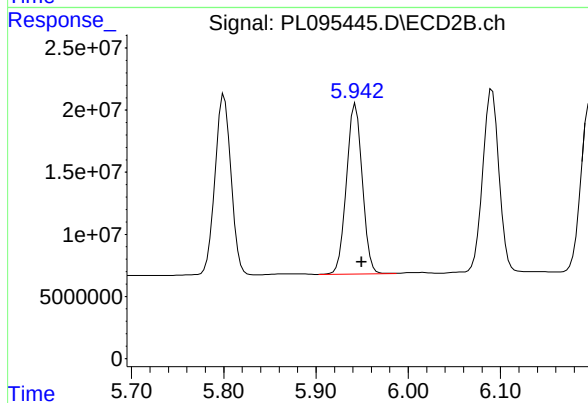
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 181918560
Conc: 50.66 ng/ml



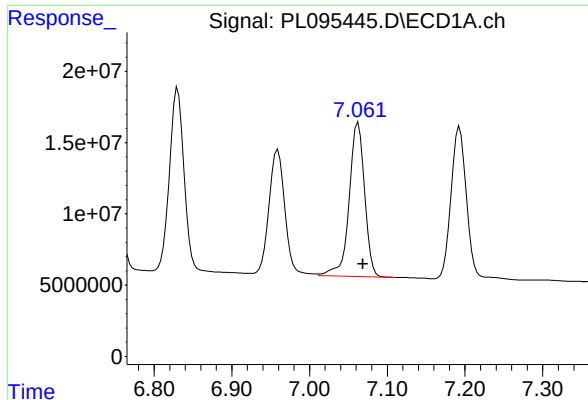
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 160209776
Conc: 56.59 ng/ml



#16 4,4'-DDD

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 163545905
Conc: 50.06 ng/ml



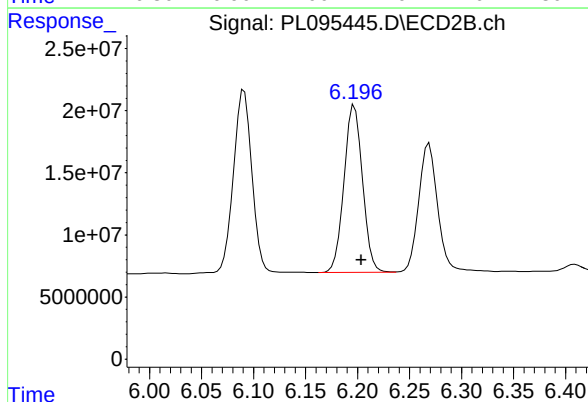
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: -0.006 min
Response: 147651552
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

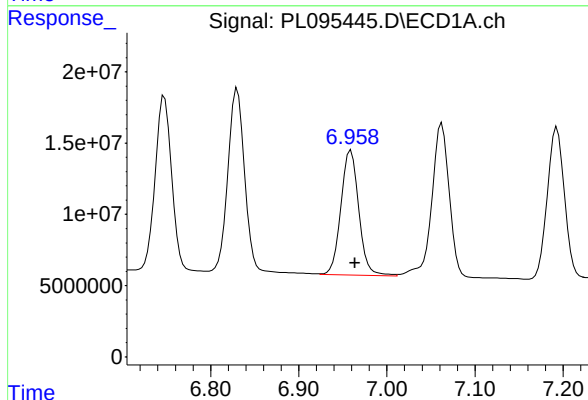
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



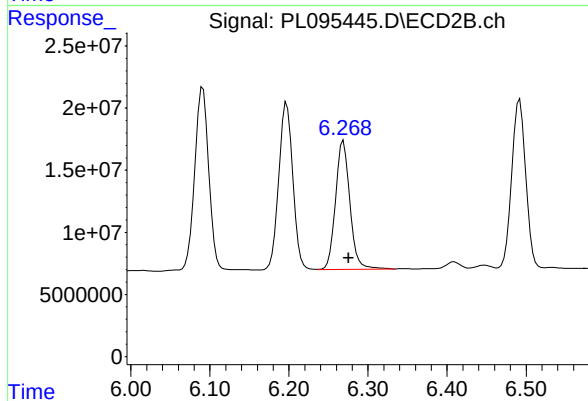
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.007 min
Response: 166438490
Conc: 48.44 ng/ml



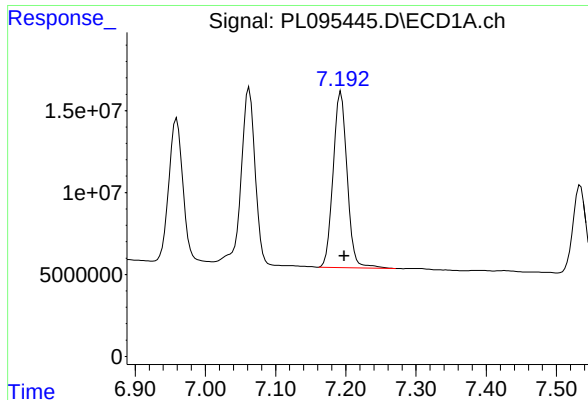
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 123465151
Conc: 53.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 131698540
Conc: 50.40 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 148446966
Conc: 52.98 ng/ml

Instrument :

ECD_L

ClientSampleId :

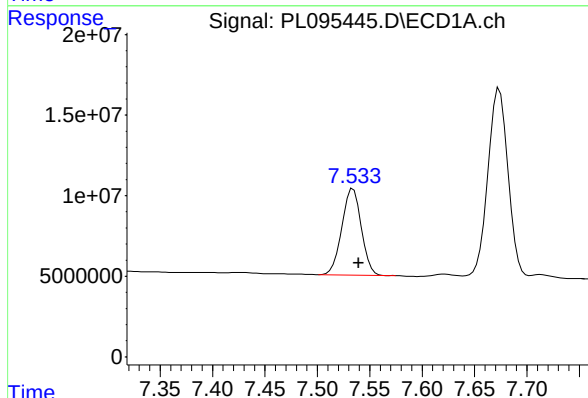
COMP-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025

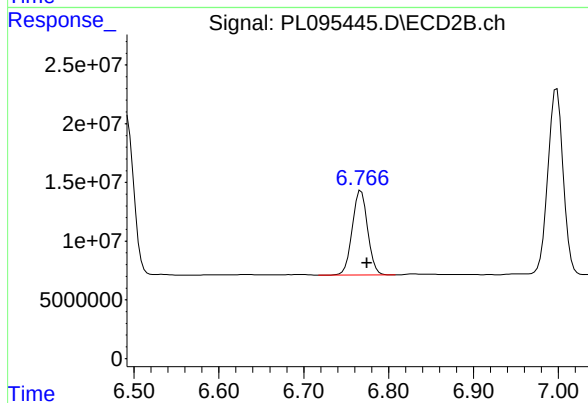
#19 Endosulfan Sulfate

R.T.: 6.491 min
Delta R.T.: -0.008 min
Response: 166091891
Conc: 50.06 ng/ml m



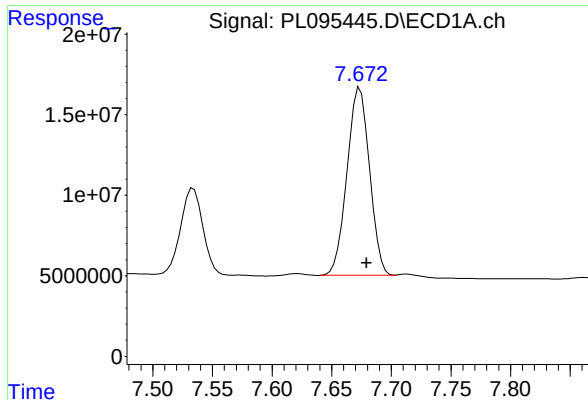
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 69311509
Conc: 49.68 ng/ml



#20 Methoxychlor

R.T.: 6.767 min
Delta R.T.: -0.007 min
Response: 90789266
Conc: 47.60 ng/ml



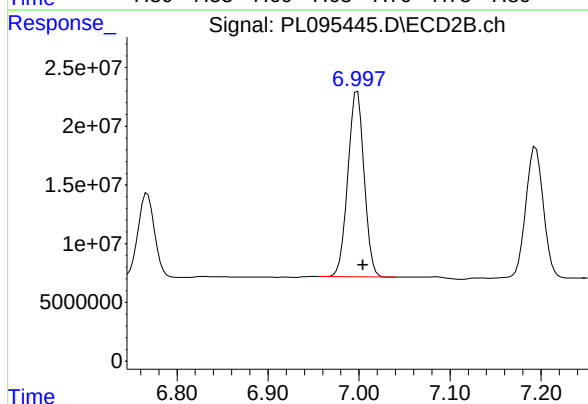
#21 Endrin ketone

R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 153089804
Conc: 53.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

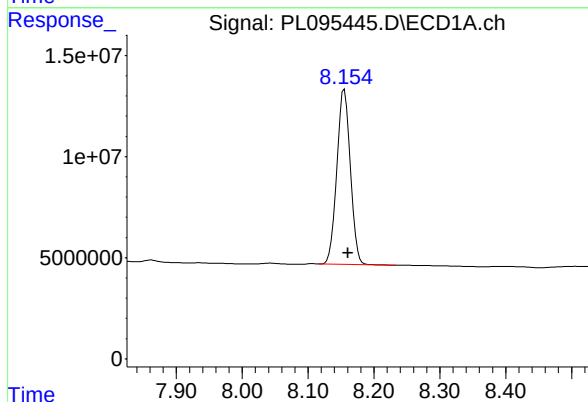
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



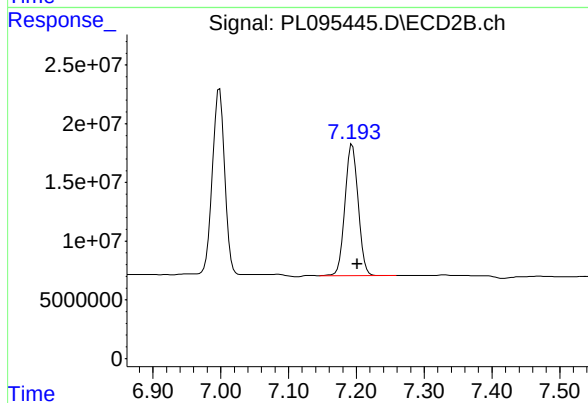
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 197138496
Conc: 55.98 ng/ml



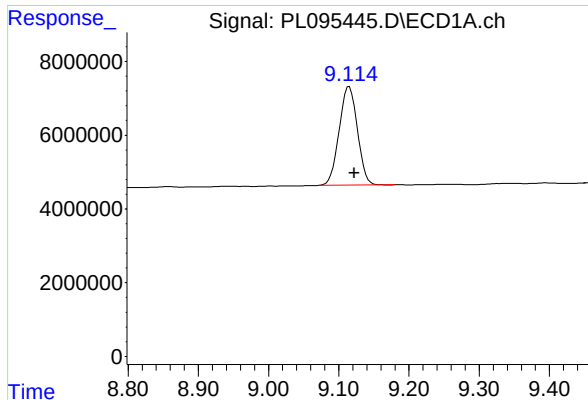
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 123530946
Conc: 51.99 ng/ml



#22 Mirex

R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 150642081
Conc: 52.26 ng/ml



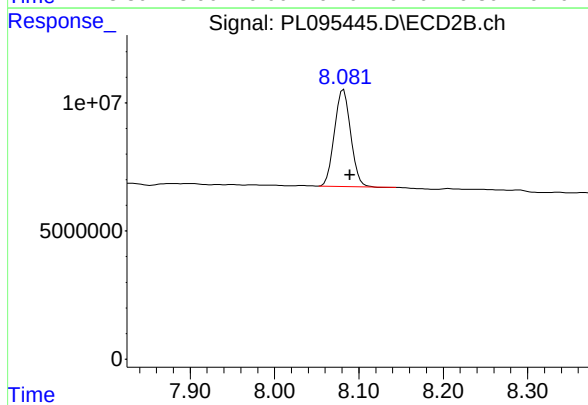
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48269853
Conc: 17.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/29/2025
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 50724520
Conc: 17.14 ng/ml

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095327.D	4,4"-DDD	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	4,4"-DDD #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
RESCHK	PL095328.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:03 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC025	PL095332.D	Mirex #2	Abdul	4/24/2025 8:47:07 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC005	PL095333.D	Mirex #2	Abdul	4/24/2025 8:47:11 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	delta-BHC	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	Mirex #2	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095348.D	Endrin aldehyde	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin aldehyde #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	delta-BHC	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Endrin ketone #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Mirex #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
I.BLK	PL095358.D	Decachlorobiphenyl #2	Abdul	4/24/2025 8:48:33 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	delta-BHC	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095359.D	Methoxychlor #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	Mirex #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

Manual Integration Report

Sequence:	pl043025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095439.D	4,4"-DDD	Abdul	4/29/2025 8:13:38 AM	mohammad	5/2/2025 2:39:27	Peak Integrated by Software
PEM	PL095439.D	Endrin aldehyde	Abdul	4/29/2025 8:13:38 AM	mohammad	5/2/2025 2:39:27	Peak Integrated by Software
PEM	PL095439.D	Endrin aldehyde #2	Abdul	4/29/2025 8:13:38 AM	mohammad	5/2/2025 2:39:27	Peak Integrated by Software
PEM	PL095439.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:38 AM	mohammad	5/2/2025 2:39:27	Peak Integrated by Software
PSTDCCC050	PL095440.D	delta-BHC	Abdul	4/29/2025 8:13:41 AM	mohammad	5/2/2025 2:39:31	Peak Integrated by Software
PSTDCCC050	PL095440.D	Endosulfan Sulfate	Abdul	4/29/2025 8:13:41 AM	mohammad	5/2/2025 2:39:31	Peak Integrated by Software
PSTDCCC050	PL095440.D	gamma-Chlordane #2	Abdul	4/29/2025 8:13:41 AM	mohammad	5/2/2025 2:39:31	Peak Integrated by Software
PSTDCCC050	PL095440.D	Mirex #2	Abdul	4/29/2025 8:13:41 AM	mohammad	5/2/2025 2:39:31	Peak Integrated by Software
PB167766BS	PL095442.D	delta-BHC	Abdul	4/29/2025 8:13:46 AM	mohammad	5/2/2025 2:39:33	Peak Integrated by Software
PB167766BS	PL095442.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:46 AM	mohammad	5/2/2025 2:39:33	Peak Integrated by Software
PB167766BS	PL095442.D	Mirex #2	Abdul	4/29/2025 8:13:46 AM	mohammad	5/2/2025 2:39:33	Peak Integrated by Software
Q1889-01MS	PL095444.D	beta-BHC #2	Abdul	4/29/2025 8:13:50 AM	mohammad	5/2/2025 2:39:38	Peak Integrated by Software
Q1889-01MS	PL095444.D	Decachlorobiphenyl #2	Abdul	4/29/2025 8:13:50 AM	mohammad	5/2/2025 2:39:38	Peak Integrated by Software

Manual Integration Report

Sequence:	pl043025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1889-01MS	PL095444.D	delta-BHC	Abdul	4/29/2025 8:13:50 AM	mohammad	5/2/2025 2:39:38	Peak Integrated by Software
Q1889-01MS	PL095444.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:50 AM	mohammad	5/2/2025 2:39:38	Peak Integrated by Software
Q1889-01MSD	PL095445.D	delta-BHC	Abdul	4/29/2025 8:13:54 AM	mohammad	5/2/2025 2:39:41	Peak Integrated by Software
Q1889-01MSD	PL095445.D	Endosulfan Sulfate #2	Abdul	4/29/2025 8:13:54 AM	mohammad	5/2/2025 2:39:41	Peak Integrated by Software
Q1889-01MSD	PL095445.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:13:54 AM	mohammad	5/2/2025 2:39:41	Peak Integrated by Software
Q1889-01MSD	PL095445.D	gamma-Chlordane #2	Abdul	4/29/2025 8:13:54 AM	mohammad	5/2/2025 2:39:41	Peak Integrated by Software
PSTDCCC050	PL095451.D	delta-BHC	Abdul	4/29/2025 8:14:10 AM	mohammad	5/2/2025 2:39:57	Peak Integrated by Software
PSTDCCC050	PL095451.D	Endrin ketone #2	Abdul	4/29/2025 8:14:10 AM	mohammad	5/2/2025 2:39:57	Peak Integrated by Software
PSTDCCC050	PL095451.D	gamma-BHC (Lindane)	Abdul	4/29/2025 8:14:10 AM	mohammad	5/2/2025 2:39:57	Peak Integrated by Software
PSTDCCC050	PL095451.D	Methoxychlor #2	Abdul	4/29/2025 8:14:10 AM	mohammad	5/2/2025 2:39:57	Peak Integrated by Software
PSTDCCC050	PL095451.D	Mirex #2	Abdul	4/29/2025 8:14:10 AM	mohammad	5/2/2025 2:39:57	Peak Integrated by Software
PSTDCCC050	PL095460.D	4,4"-DDD	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software
PSTDCCC050	PL095460.D	Aldrin #2	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software

Manual Integration Report

Sequence:	pl043025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095460.D	delta-BHC	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endosulfan II	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endrin aldehyde	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software
PSTDCCC050	PL095460.D	Endrin ketone	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software
PSTDCCC050	PL095460.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:07:33 AM	mohammad	5/2/2025 2:41:19	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095474.D	beta-BHC #2	Abdul	4/30/2025 8:03:27 AM	mohammad	5/2/2025 3:07:57	Peak Integrated by Software
PEM	PL095474.D	Endrin aldehyde	Abdul	4/30/2025 8:03:27 AM	mohammad	5/2/2025 3:07:57	Peak Integrated by Software
PEM	PL095474.D	Endrin aldehyde #2	Abdul	4/30/2025 8:03:27 AM	mohammad	5/2/2025 3:07:57	Peak Integrated by Software
PEM	PL095474.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:27 AM	mohammad	5/2/2025 3:07:57	Peak Integrated by Software
PSTDCCC050	PL095475.D	delta-BHC	Abdul	4/30/2025 8:03:34 AM	mohammad	5/2/2025 3:08:09	Peak Integrated by Software
PSTDCCC050	PL095475.D	Endosulfan II	Abdul	4/30/2025 8:03:34 AM	mohammad	5/2/2025 3:08:09	Peak Integrated by Software
PSTDCCC050	PL095475.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:34 AM	mohammad	5/2/2025 3:08:09	Peak Integrated by Software
PSTDCCC050	PL095475.D	gamma-Chlordane #2	Abdul	4/30/2025 8:03:34 AM	mohammad	5/2/2025 3:08:09	Peak Integrated by Software
PSTDCCC050	PL095475.D	Mirex #2	Abdul	4/30/2025 8:03:34 AM	mohammad	5/2/2025 3:08:09	Peak Integrated by Software
PSTDCCC050	PL095484.D	4,4"-DDE #2	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software
PSTDCCC050	PL095484.D	Aldrin #2	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software
PSTDCCC050	PL095484.D	delta-BHC	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software
PSTDCCC050	PL095484.D	gamma-BHC (Lindane)	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software

Manual Integration Report

Sequence:	pl050225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095484.D	gamma-Chlordane #2	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software
PSTDCCC050	PL095484.D	Mirex #2	Abdul	4/30/2025 8:03:47 AM	mohammad	5/2/2025 3:08:16	Peak Integrated by Software
PCHLORCCC500	PL095485.D	Tetrachloro-m-xylene #2	Abdul	4/30/2025 8:03:55 AM	mohammad	5/2/2025 3:08:19	Peak Integrated by Software
Q1883-05	PL095488.D	Decachlorobiphenyl #2	Abdul	4/30/2025 8:04:00 AM	mohammad	5/2/2025 3:08:23	Peak Integrated by Software
PSTDCCC050	PL095495.D	Aldrin #2	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	Decachlorobiphenyl #2	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	delta-BHC	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endosulfan II	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endrin	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	Endrin ketone #2	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software
PSTDCCC050	PL095495.D	gamma-Chlordane #2	Abdul	4/30/2025 8:04:04 AM	mohammad	5/2/2025 3:08:34	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095325.D	23 Apr 2025 10:36	AR\AJ	Ok
2	I.BLK	PL095326.D	23 Apr 2025 10:50	AR\AJ	Ok
3	PEM	PL095327.D	23 Apr 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PL095328.D	23 Apr 2025 11:18	AR\AJ	Ok,M
5	PSTDICC100	PL095329.D	23 Apr 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PL095330.D	23 Apr 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PL095331.D	23 Apr 2025 11:59	AR\AJ	Ok
8	PSTDICC025	PL095332.D	23 Apr 2025 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL095333.D	23 Apr 2025 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40	AR\AJ	Ok
11	PCHLORICC750	PL095335.D	23 Apr 2025 12:53	AR\AJ	Ok
12	PCHLORICC500	PL095336.D	23 Apr 2025 13:07	AR\AJ	Ok
13	PCHLORICC250	PL095337.D	23 Apr 2025 13:21	AR\AJ	Ok
14	PCHLORICC050	PL095338.D	23 Apr 2025 13:51	AR\AJ	Ok,M
15	PTOXICC1000	PL095339.D	23 Apr 2025 14:04	AR\AJ	Ok
16	PTOXICC750	PL095340.D	23 Apr 2025 14:18	AR\AJ	Ok
17	PTOXICC500	PL095341.D	23 Apr 2025 14:32	AR\AJ	Ok
18	PTOXICC250	PL095342.D	23 Apr 2025 14:45	AR\AJ	Ok
19	PTOXICC100	PL095343.D	23 Apr 2025 14:59	AR\AJ	Ok,M
20	PSTDICV050	PL095344.D	23 Apr 2025 15:13	AR\AJ	Ok,M
21	PCHLORICV500	PL095345.D	23 Apr 2025 16:10	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL095346.D	23 Apr 2025 16:24	AR\AJ	Ok
23	I.BLK	PL095347.D	23 Apr 2025 16:38	AR\AJ	Ok
24	PEM	PL095348.D	23 Apr 2025 16:52	AR\AJ	Ok,M
25	PSTDCCC050	PL095349.D	23 Apr 2025 17:05	AR\AJ	Ok,M
26	PB167688BL	PL095350.D	23 Apr 2025 17:19	AR\AJ	Ok
27	PB167688BS	PL095351.D	23 Apr 2025 17:33	AR\AJ	Not Ok
28	Q1848-01	PL095352.D	23 Apr 2025 17:46	AR\AJ	Ok,M
29	Q1848-03	PL095353.D	23 Apr 2025 18:00	AR\AJ	Ok,M
30	Q1848-03MS	PL095354.D	23 Apr 2025 18:14	AR\AJ	Ok,M
31	Q1848-03MSD	PL095355.D	23 Apr 2025 18:28	AR\AJ	Ok,M
32	Q1848-05	PL095356.D	23 Apr 2025 18:41	AR\AJ	Ok,M
33	Q1850-01	PL095357.D	23 Apr 2025 18:55	AR\AJ	Ok,M
34	I.BLK	PL095358.D	23 Apr 2025 19:23	AR\AJ	Ok,M
35	PSTDCCC050	PL095359.D	23 Apr 2025 19:50	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:40:47 AM
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095437.D	28 Apr 2025 14:46	AR\AJ	Ok
2	I.BLK	PL095438.D	28 Apr 2025 15:33	AR\AJ	Ok
3	PEM	PL095439.D	28 Apr 2025 15:47	AR\AJ	Ok,M
4	PSTDCCC050	PL095440.D	28 Apr 2025 16:01	AR\AJ	Ok,M
5	PB167766BL	PL095441.D	28 Apr 2025 16:35	AR\AJ	Not Ok
6	PB167766BS	PL095442.D	28 Apr 2025 16:49	AR\AJ	Ok,M
7	Q1889-01	PL095443.D	28 Apr 2025 17:08	AR\AJ	Ok
8	Q1889-01MS	PL095444.D	28 Apr 2025 17:22	AR\AJ	Ok,M
9	Q1889-01MSD	PL095445.D	28 Apr 2025 17:36	AR\AJ	Ok,M
10	Q1889-02	PL095446.D	28 Apr 2025 17:49	AR\AJ	Ok
11	Q1889-03	PL095447.D	28 Apr 2025 18:03	AR\AJ	Ok,M
12	Q1891-01	PL095448.D	28 Apr 2025 18:17	AR\AJ	Ok,M
13	Q1891-05	PL095449.D	28 Apr 2025 18:31	AR\AJ	Ok,M
14	I.BLK	PL095450.D	28 Apr 2025 18:45	AR\AJ	Ok
15	PSTDCCC050	PL095451.D	28 Apr 2025 18:58	AR\AJ	Ok,M
16	Q1892-01	PL095452.D	28 Apr 2025 20:21	AR\AJ	Ok,M
17	Q1892-05	PL095453.D	28 Apr 2025 20:35	AR\AJ	Ok
18	Q1892-09	PL095454.D	28 Apr 2025 20:49	AR\AJ	Ok
19	Q1895-01	PL095455.D	28 Apr 2025 21:03	AR\AJ	Ok
20	Q1895-03	PL095456.D	28 Apr 2025 21:16	AR\AJ	Ok
21	Q1895-05	PL095457.D	28 Apr 2025 21:30	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:40:47 AM
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1896-01	PL095458.D	28 Apr 2025 21:44	AR\AJ	Ok
23	I.BLK	PL095459.D	28 Apr 2025 21:58	AR\AJ	Ok
24	PSTDCCC050	PL095460.D	28 Apr 2025 22:11	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:09:41 AM
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095472.D	29 Apr 2025 12:11	AR\AJ	Ok
2	I.BLK	PL095473.D	29 Apr 2025 12:25	AR\AJ	Ok
3	PEM	PL095474.D	29 Apr 2025 12:38	AR\AJ	Ok,M
4	PSTDCCC050	PL095475.D	29 Apr 2025 13:07	AR\AJ	Ok,M
5	PCHLORCCC500	PL095476.D	29 Apr 2025 13:33	AR\AJ	Ok
6	PTOXCCC500	PL095477.D	29 Apr 2025 14:27	AR\AJ	Ok
7	PB167766BL	PL095478.D	29 Apr 2025 14:42	AR\AJ	Ok
8	PB167766BS	PL095479.D	29 Apr 2025 15:10	AR\AJ	Ok,M
9	PB167766BS	PL095480.D	29 Apr 2025 15:23	AR\AJ	Ok
10	PB167766BS	PL095481.D	29 Apr 2025 16:23	AR\AJ	Not Ok
11	Q1883-01	PL095482.D	29 Apr 2025 16:38	AR\AJ	Ok
12	I.BLK	PL095483.D	29 Apr 2025 16:52	AR\AJ	Ok
13	PSTDCCC050	PL095484.D	29 Apr 2025 17:42	AR\AJ	Ok,M
14	PCHLORCCC500	PL095485.D	29 Apr 2025 18:30	AR\AJ	Ok,M
15	PTOXCCC500	PL095486.D	29 Apr 2025 19:15	AR\AJ	Not Ok
16	Q1883-03	PL095487.D	29 Apr 2025 19:29	AR\AJ	Ok
17	Q1883-05	PL095488.D	29 Apr 2025 19:43	AR\AJ	Ok,M
18	Q1883-07	PL095489.D	29 Apr 2025 19:56	AR\AJ	Ok
19	Q1883-09	PL095490.D	29 Apr 2025 20:10	AR\AJ	Ok
20	Q1883-11	PL095491.D	29 Apr 2025 20:24	AR\AJ	Ok
21	Q1883-13	PL095492.D	29 Apr 2025 20:38	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:09:41 AM
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1883-15	PL095493.D	29 Apr 2025 20:51	AR\AJ	Ok
23	I.BLK	PL095494.D	29 Apr 2025 21:05	AR\AJ	Ok
24	PSTDCCC050	PL095495.D	29 Apr 2025 21:19	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095325.D	23 Apr 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PL095326.D	23 Apr 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PL095327.D	23 Apr 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095328.D	23 Apr 2025 11:18		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095329.D	23 Apr 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095330.D	23 Apr 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095331.D	23 Apr 2025 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095332.D	23 Apr 2025 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095333.D	23 Apr 2025 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095335.D	23 Apr 2025 12:53		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095336.D	23 Apr 2025 13:07		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095337.D	23 Apr 2025 13:21		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095338.D	23 Apr 2025 13:51		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095339.D	23 Apr 2025 14:04		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095340.D	23 Apr 2025 14:18		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095341.D	23 Apr 2025 14:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095342.D	23 Apr 2025 14:45		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM
SubDirectory	PL042325	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL095343.D	23 Apr 2025 14:59		AR\AJ	Ok,M
20	PSTDICV050	ICVPL042325	PL095344.D	23 Apr 2025 15:13		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL042325CHLOR	PL095345.D	23 Apr 2025 16:10		AR\AJ	Ok
22	PTOXICV500	ICVPL042325TOX	PL095346.D	23 Apr 2025 16:24		AR\AJ	Ok
23	I.BLK	I.BLK	PL095347.D	23 Apr 2025 16:38		AR\AJ	Ok
24	PEM	PEM	PL095348.D	23 Apr 2025 16:52		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL095349.D	23 Apr 2025 17:05		AR\AJ	Ok,M
26	PB167688BL	PB167688BL	PL095350.D	23 Apr 2025 17:19		AR\AJ	Ok
27	PB167688BS	PB167688BS	PL095351.D	23 Apr 2025 17:33	Endrin ketone recovery high	AR\AJ	Not Ok
28	Q1848-01	RBR200027	PL095352.D	23 Apr 2025 17:46		AR\AJ	Ok,M
29	Q1848-03	ETGI-275	PL095353.D	23 Apr 2025 18:00	DCB Low in 1st column	AR\AJ	Ok,M
30	Q1848-03MS	ETGI-275MS	PL095354.D	23 Apr 2025 18:14	Some compound recovery fail	AR\AJ	Ok,M
31	Q1848-03MSD	ETGI-275MSD	PL095355.D	23 Apr 2025 18:28	DCB Low in 1st column , Some compound recovery fail , RPD Fail	AR\AJ	Ok,M
32	Q1848-05	ETGI-342	PL095356.D	23 Apr 2025 18:41	DCB Low in 1st column	AR\AJ	Ok,M
33	Q1850-01	CONCRETE-PILE-N-C	PL095357.D	23 Apr 2025 18:55		AR\AJ	Ok,M
34	I.BLK	I.BLK	PL095358.D	23 Apr 2025 19:23		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL095359.D	23 Apr 2025 19:50		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:40:47 AM
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095437.D	28 Apr 2025 14:46		AR\AJ	Ok
2	I.BLK	I.BLK	PL095438.D	28 Apr 2025 15:33		AR\AJ	Ok
3	PEM	PEM	PL095439.D	28 Apr 2025 15:47		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095440.D	28 Apr 2025 16:01		AR\AJ	Ok,M
5	PB167766BL	PB167766BL	PL095441.D	28 Apr 2025 16:35	No surrogate hit looks like hexan	AR\AJ	Not Ok
6	PB167766BS	PB167766BS	PL095442.D	28 Apr 2025 16:49		AR\AJ	Ok,M
7	Q1889-01	COMP-1	PL095443.D	28 Apr 2025 17:08		AR\AJ	Ok
8	Q1889-01MS	COMP-1MS	PL095444.D	28 Apr 2025 17:22		AR\AJ	Ok,M
9	Q1889-01MSD	COMP-1MSD	PL095445.D	28 Apr 2025 17:36		AR\AJ	Ok,M
10	Q1889-02	COMP-2	PL095446.D	28 Apr 2025 17:49		AR\AJ	Ok
11	Q1889-03	COMP-3	PL095447.D	28 Apr 2025 18:03		AR\AJ	Ok,M
12	Q1891-01	MH-C	PL095448.D	28 Apr 2025 18:17		AR\AJ	Ok,M
13	Q1891-05	MH-D	PL095449.D	28 Apr 2025 18:31		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL095450.D	28 Apr 2025 18:45		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL095451.D	28 Apr 2025 18:58		AR\AJ	Ok,M
16	Q1892-01	MH-G	PL095452.D	28 Apr 2025 20:21		AR\AJ	Ok,M
17	Q1892-05	MH-H	PL095453.D	28 Apr 2025 20:35		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL043025

Review By	Abdul	Review On	4/29/2025 8:14:33 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:40:47 AM
SubDirectory	PL043025	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1892-09	MH-U2	PL095454.D	28 Apr 2025 20:49		AR\AJ	Ok
19	Q1895-01	COMP-1	PL095455.D	28 Apr 2025 21:03		AR\AJ	Ok
20	Q1895-03	COMP-2	PL095456.D	28 Apr 2025 21:16		AR\AJ	Ok
21	Q1895-05	COMP-3	PL095457.D	28 Apr 2025 21:30		AR\AJ	Ok,M
22	Q1896-01	295-BERGEN-RO	PL095458.D	28 Apr 2025 21:44		AR\AJ	Ok
23	I.BLK	I.BLK	PL095459.D	28 Apr 2025 21:58		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL095460.D	28 Apr 2025 22:11	Comp#16 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:09:41 AM
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095472.D	29 Apr 2025 12:11		AR\AJ	Ok
2	I.BLK	I.BLK	PL095473.D	29 Apr 2025 12:25		AR\AJ	Ok
3	PEM	PEM	PL095474.D	29 Apr 2025 12:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095475.D	29 Apr 2025 13:07		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL095476.D	29 Apr 2025 13:33		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PL095477.D	29 Apr 2025 14:27		AR\AJ	Ok
7	PB167766BL	PB167766BL	PL095478.D	29 Apr 2025 14:42		AR\AJ	Ok
8	PB167766BS	PB167766BS	PL095479.D	29 Apr 2025 15:10		AR\AJ	Ok,M
9	PB167766BS	PB167766BS	PL095480.D	29 Apr 2025 15:23		AR\AJ	Ok
10	PB167766BS	PB167766BS	PL095481.D	29 Apr 2025 16:23	END CCC Fail	AR\AJ	Not Ok
11	Q1883-01	OU4-PCS-TC-27-04233	PL095482.D	29 Apr 2025 16:38		AR\AJ	Ok
12	I.BLK	I.BLK	PL095483.D	29 Apr 2025 16:52		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL095484.D	29 Apr 2025 17:42		AR\AJ	Ok,M
14	PCHLORCCC500	PCHLORCCC500	PL095485.D	29 Apr 2025 18:30		AR\AJ	Ok,M
15	PTOXCCC500	PTOXCCC500	PL095486.D	29 Apr 2025 19:15	all Toxaphene high in 2nd column	AR\AJ	Not Ok
16	Q1883-03	OU4-PCS-TC-28-04233	PL095487.D	29 Apr 2025 19:29		AR\AJ	Ok
17	Q1883-05	OU4-PCS-TC-29-04233	PL095488.D	29 Apr 2025 19:43		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL050225

Review By	Abdul	Review On	4/30/2025 8:04:45 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:09:41 AM
SubDirectory	PL050225	HP Acquire Method	HP Processing Method pl042325 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1883-07	OU4-PCS-TC-30-04232	PL095489.D	29 Apr 2025 19:56		AR\AJ	Ok
19	Q1883-09	OU4-PCS-TC-31-04232	PL095490.D	29 Apr 2025 20:10		AR\AJ	Ok
20	Q1883-11	OU4-PCS-TC-32-04232	PL095491.D	29 Apr 2025 20:24		AR\AJ	Ok
21	Q1883-13	OU4-VSL-18-042325	PL095492.D	29 Apr 2025 20:38		AR\AJ	Ok
22	Q1883-15	OU4-VSL-19-042325	PL095493.D	29 Apr 2025 20:51		AR\AJ	Ok
23	I.BLK	I.BLK	PL095494.D	29 Apr 2025 21:05		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL095495.D	29 Apr 2025 21:19	Comp#2,21 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1883-01	OU4-PCS-TC-27-042325	1	1.18	10.04	11.22	10.67	94.5	
Q1883-03	OU4-PCS-TC-28-042325	2	1.14	9.97	11.11	10.56	94.5	
Q1883-05	OU4-PCS-TC-29-042325	3	1.19	10.54	11.73	11.28	95.7	
Q1883-07	OU4-PCS-TC-30-042325	4	1.17	10.15	11.32	10.96	96.5	
Q1883-09	OU4-PCS-TC-31-042325	5	1.18	10.48	11.66	11.34	96.9	
Q1883-11	OU4-PCS-TC-32-042325	6	1.18	9.96	11.14	10.87	97.3	
Q1883-13	OU4-PCS-18-042325	7	1.15	10.25	11.4	10.86	94.7	
Q1883-15	OU4-PCS-19-042325	8	1.19	10.54	11.73	11.29	95.8	
Q1884-01	P001-SS037-01	9	1.17	10.30	11.47	10.87	94.2	
Q1884-02	P001-SS038-01	10	1.17	10.32	11.49	11.22	97.4	
Q1888-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1888-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1888-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1888-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1888-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q1888-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q1888-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1888-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1888-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q1888-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q1889-01	COMP-1	21	1.19	10.07	11.26	9.5	82.5	
Q1889-02	COMP-2	22	1.16	10.50	11.66	9.61	80.5	
Q1889-03	COMP-3	23	1.11	10.73	11.84	9.77	80.7	
Q1891-01	MH-C	24	1.15	9.48	10.63	9.8	91.2	
Q1891-02	MH-C-EPH	25	1.16	9.82	10.98	10.15	91.5	
Q1891-03	MH-C-VOC	26	1.19	9.94	11.13	10.2	90.6	
Q1891-05	MH-D	27	1.15	10.17	11.32	9.64	83.5	
Q1891-06	MH-D-EPH	28	1.15	9.97	11.12	8.74	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1891-07	MH-D-VOC	29	1.18	9.46	10.64	8.83	80.9	
Q1892-01	MH-G	30	1.13	9.61	10.74	9.35	85.5	
Q1892-02	MH-G-EPH	31	1.15	10.29	11.44	9.98	85.8	
Q1892-03	MH-G-VOC	32	1.18	10.45	11.63	9.82	82.7	
Q1892-05	MH-H	33	1.14	9.66	10.8	9.92	90.9	
Q1892-06	MH-H-EPH	34	1.12	10.66	11.78	10.68	89.7	
Q1892-07	MH-H-VOC	35	1.18	10.19	11.37	10.28	89.3	
Q1892-09	MH-U2	36	1.18	10.04	11.22	9.96	87.5	
Q1892-10	MH-U2-EPH	37	1.19	10.34	11.53	10.04	85.6	
Q1892-11	MH-U2-VOC	38	1.18	10.22	11.4	10.14	87.7	
Q1893-01	UGGP-1	39	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-02	UGGP-2	40	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-03	INTERIOR-1	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-04	INTERIOR-2	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-05	INTERIOR-3	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-06	INTERIOR-4	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-07	EXTERIOR-1	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1895-01	COMP-1	55	1.14	10.58	11.72	10.97	92.9	
Q1895-03	COMP-2	56	1.14	10.77	11.91	10.96	91.2	
Q1895-05	COMP-3	57	1.18	10.06	11.24	10.56	93.2	
Q1896-01	295-BERGEN-RO	58	1.14	11.31	12.45	10.91	86.4	
Q1896-02	295-BERGEN-RO	59	1.18	10.01	11.19	9.9	87.1	
Q1898-01	41525A	60	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-02	41525B	61	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-03	42525A	62	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-04	42525B	63	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1900-01	WC-1	46	1.14	9.98	11.12	9.56	84.4	
Q1900-02	WC-1-EPH	47	1.14	10.35	11.49	10.19	87.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135558

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1900-03	WC-1-VOC	48	1.14	10.01	11.15	9.73	85.8	
Q1900-05	WC-2	49	1.19	8.82	10.01	8.76	85.8	
Q1900-06	WC-2-EPH	50	1.19	10.08	11.27	9.76	85.0	
Q1900-07	WC-2-VOC	51	1.17	10.79	11.96	10.33	84.9	
Q1900-09	WC-3	52	1.14	9.61	10.75	9.32	85.1	
Q1900-10	WC-3-EPH	53	1.12	10.38	11.5	9.11	77.0	
Q1900-11	WC-3-VOC	54	1.19	10.71	11.9	10.39	85.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

13558

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-03	OU4-PCS-TC-28-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-05	OU4-PCS-TC-29-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-07	OU4-PCS-TC-30-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-09	OU4-PCS-TC-31-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-11	OU4-PCS-TC-32-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-13	OU4-PCS-18-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-15	OU4-PCS-19-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1884-01	P001-SS037-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1884-02	P001-SS038-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1888-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1889-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO

Date/Time 04/25/25 13:20

Raw Sample Received by: SD (wec)

Raw Sample Relinquished by: SD (wec)

Date/Time 04/25/25

Raw Sample Received by: SD (wec)

Raw Sample Relinquished by: SD (wec)

WORKLIST(Hardcopy Internal Chain)

JB 13558

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1889-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1889-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1891-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-05	MH-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-06	MH-D-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-07	MH-D-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-09	MH-U2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-10	MH-U2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-11	MH-U2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-01	UGGP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-02	UGGP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-03	INTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-04	INTERIOR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 15420
Raw Sample Received by: JB wcl U
Raw Sample Relinquished by: JD csm

Date/Time 04/25/25

Raw Sample Received by:

Raw Sample Relinquished by:

17:30

JD csm

JB wcl U

135558

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-042525

WorkList ID : 189135

Department : Wet-Chemistry

Date : 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1893-05	INTERIOR-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-06	INTERIOR-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-07	EXTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-03	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-05	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-01	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1896-02	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-01	41525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-02	41525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-03	42525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-04	42525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

04/25/25 13:20

Date/Time

Raw Sample Received by: 30 wcc

Raw Sample Relinquished by: JDCSM

Date/Time 04/25/25

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: 30 wcc

17:30

JDCSM

30 wcc

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 04/28/2025

Extraction Start Time: 09:05

Extraction End Date: 04/28/2025

Extraction End Time: 12:05

Concentration By: EH

Supervisor By: RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
Spike Sol 2	2.0ML	1000 PPB	PP24081
Spike Sol 3	2.0ML	1000 PPB	PP24080
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
Florisil	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/28/25	RS (BUT Lab)	Y-P. Pest 1/43
12:10	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/28/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167766BL	PBLK766	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB167766BS	PLCS766	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1883-01	OU4-PCS-TC-27-042325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q1883-03	OU4-PCS-TC-28-042325	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q1883-05	OU4-PCS-TC-29-042325	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1883-07	OU4-PCS-TC-30-042325	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1883-09	OU4-PCS-TC-31-042325	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		U3-1
Q1883-11	OU4- ~~PCS~~ -TC-32-042325 VSL	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1883-13	OU4- ~~PCS~~ -18-042325 VSL	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
Q1883-15	OU4-PCS-19-042325	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1889-01	COMP-1	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		5
Q1889-01MS	COMP-1MS	PESTICIDE Group1	30.03	N/A	ritesh	Evelyn	10	E		6
Q1889-01MS D	COMP-1MSD	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		U6-1
Q1889-02	COMP-2	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		2
Q1889-03	COMP-3	PESTICIDE Group1	30.02	N/A	ritesh	Evelyn	10	E		3
Q1891-01	MH-C	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
Q1891-05	MH-D	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1892-01	MH-G	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
Q1892-05	MH-H	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U1-1
Q1892-09	MH-U2	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1895-01	COMP-1	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q1895-03	COMP-2	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q1895-05	COMP-3	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		5
Q1896-01	295-BERGEN-RO	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1889 WorkList ID : 189181 Department : Extraction Date : 04-28-2025 08:49:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-03	OU4-PCS-TC-28-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-05	OU4-PCS-TC-29-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-07	OU4-PCS-TC-30-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-09	OU4-PCS-TC-31-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-11	OU4-PCS-TC-32-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-13	OU4-PCS-18-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1883-15	OU4-PCS-19-042325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L41	04/23/2025	8081B
Q1889-01	COMP-1	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1889-02	COMP-2	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1889-03	COMP-3	Solid	PESTICIDE Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8081B
Q1891-01	MH-C	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1891-05	MH-D	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1892-01	MH-G	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/24/2025	8081B
Q1892-05	MH-H	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/24/2025	8081B
Q1892-09	MH-U2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	04/25/2025	8081B
Q1895-01	COMP-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1895-03	COMP-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1895-05	COMP-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	04/25/2025	8081B
Q1896-01	295-BERGEN-RO	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	04/25/2025	8081B

Date/Time 4/28/25 9:40
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: RJ (Ext-Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q1883

Test : Pesticide-TCL

Prepbatch ID : PB167766,

Sequence ID/Qc Batch ID: pl043025,pl050225,

Standard ID :

EP2601,EP2607,PP24080,PP24081,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24460,

Chemical ID :

E2865,E3551,E3806,E3843,E3847,E3876,E3877,E3914,E3916,E3917,E3928,P12600,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,P13404,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel
04/07/2025								

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = Final Quantity: 8000.000 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>
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
04/25/2025								

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P12600 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<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>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	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

<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

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>
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

<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

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>
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

<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

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>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	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

<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

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>
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

<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

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>
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

<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

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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel
FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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

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	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	10/22/2025	04/18/2025 / RUPESH	04/16/2025 / RUPESH	E3928

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12596
↓
P12602
⑦
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

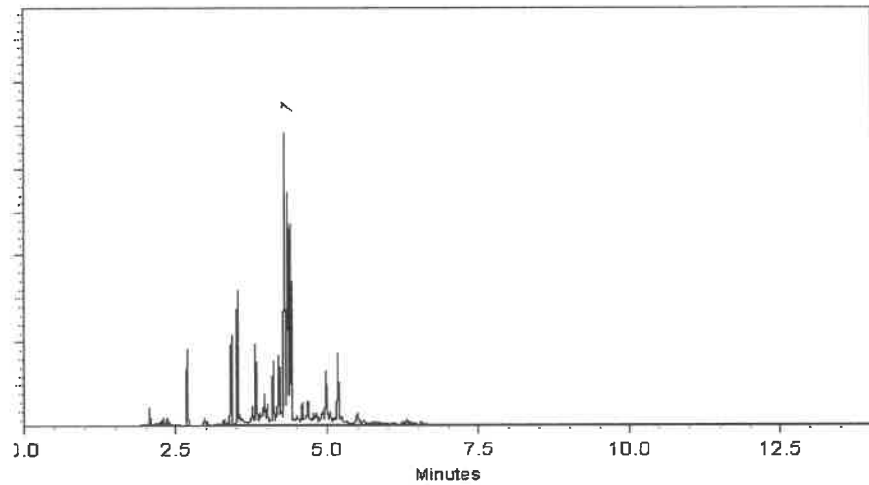
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

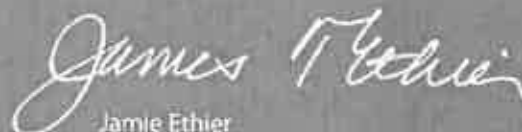
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



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

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

CERTIFICATE OF ANALYSIS

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

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

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

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

RC-02-01, Ed. 3

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

Certificate of Analysis

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

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

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

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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

Certificate of Analysis

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

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

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

Recd. by RP on 12/13/24

E3847

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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.

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.

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

Harout Sahagian

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd by RP on 3/31/25

E 3946

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.

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 03/31/25

E3917

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors[™]**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

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

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

E3928



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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

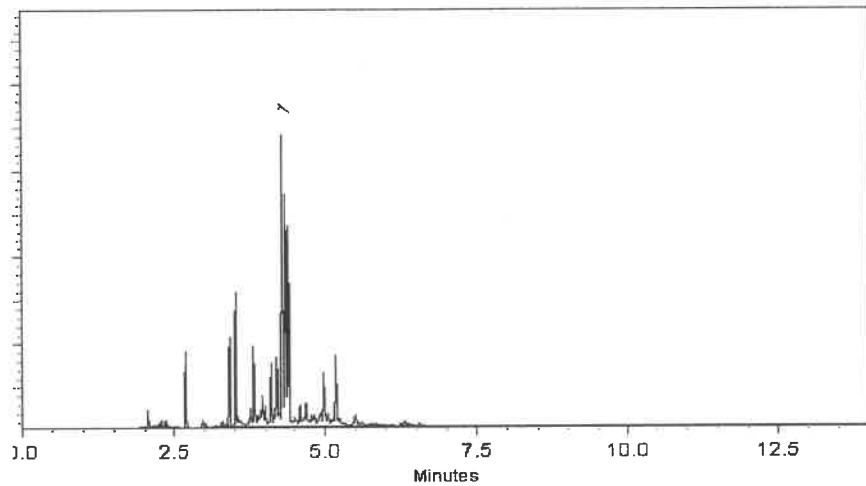
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

CRm
P12611
↓
P12615 } (5) *Fin*

CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

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.)

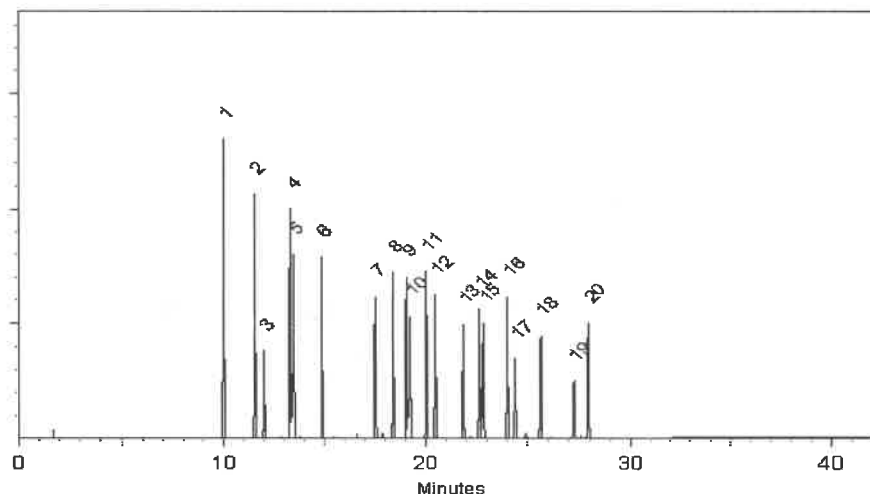
Inj. Temp:
 200°C

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

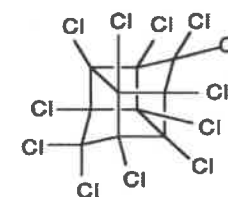
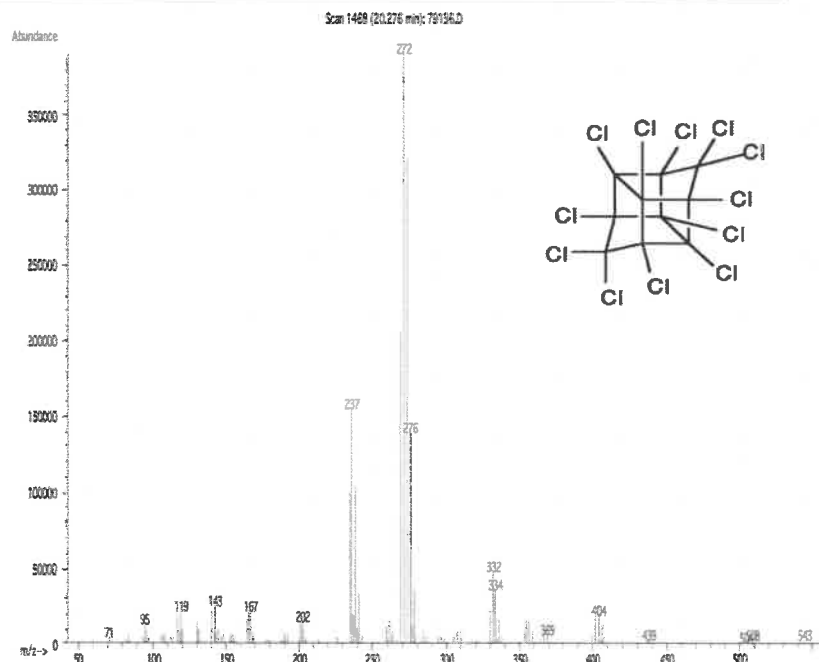
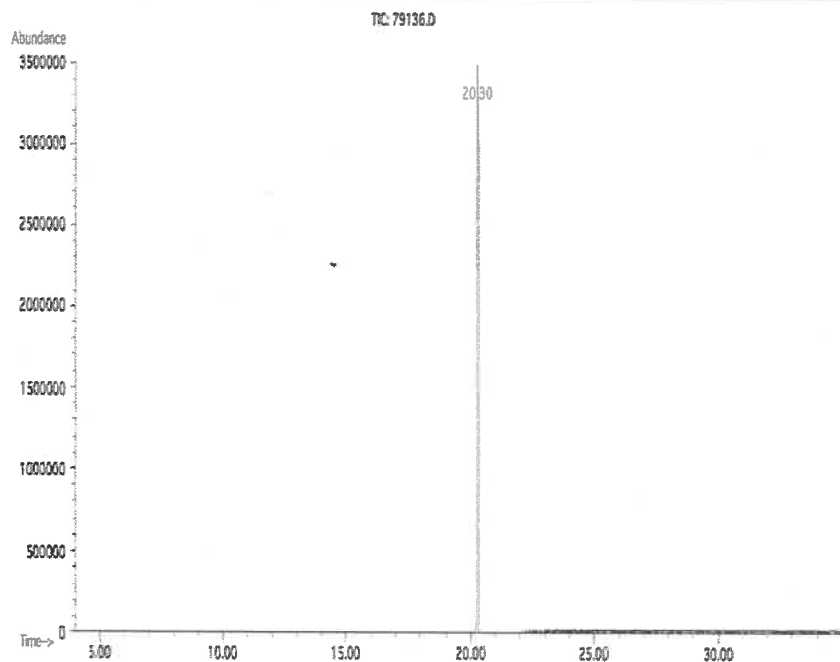
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)

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.



- 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).

P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

01/17/2024
HMF
D 13/199
D 13/199
5



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

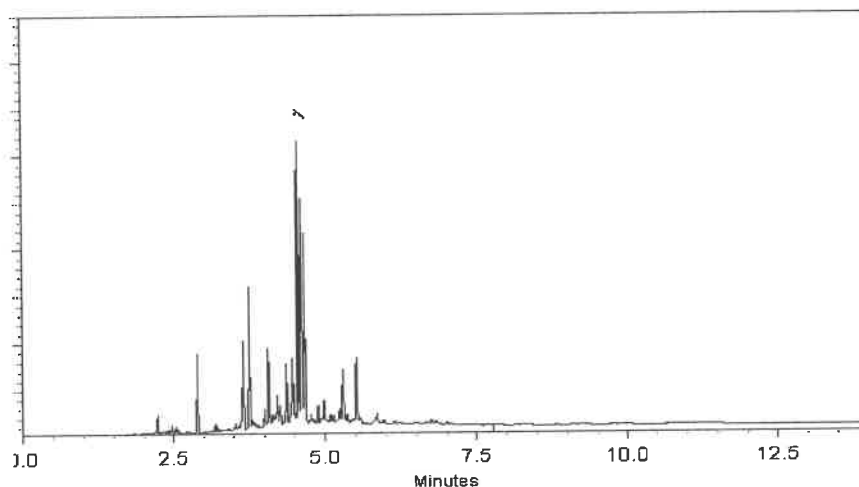
ECD

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

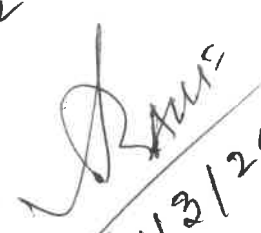
Date Mixed: 11-May-2023

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

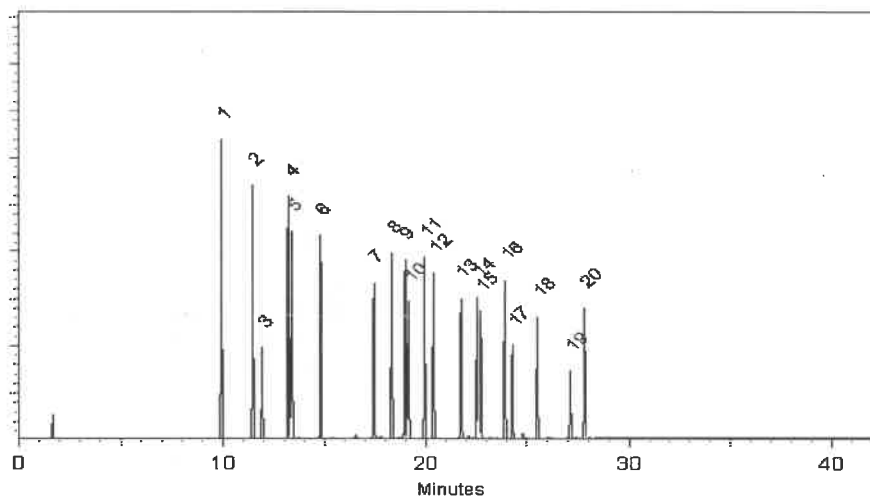
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane **273615 (50%)**
 Toluene **28508 (50%)**

5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
 ↓
 P13247 }
 ↓
 02/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

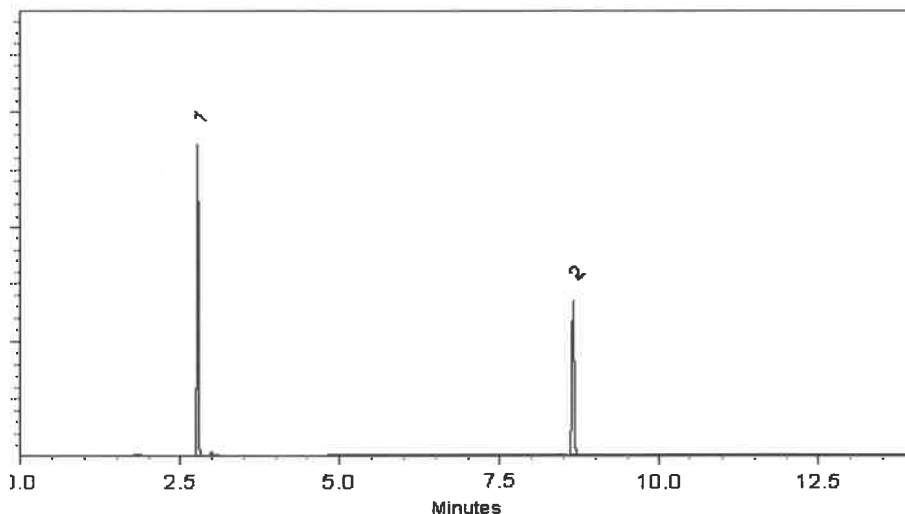
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer J Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10

SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

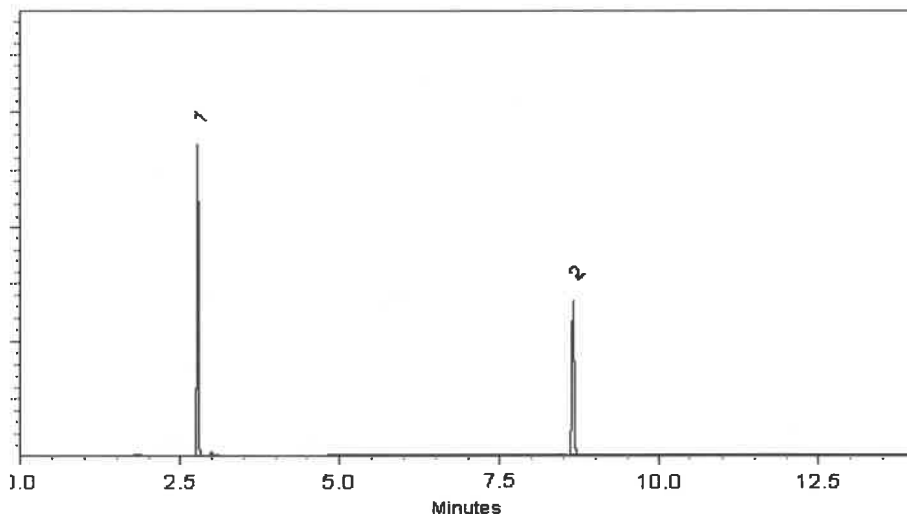
ECD

Split Vent:

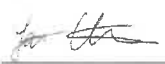
10 ml/min.

Inj. Vol

1µl

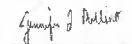


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

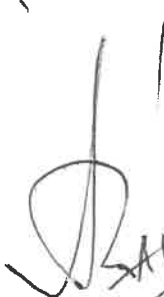
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357 } (10)


SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

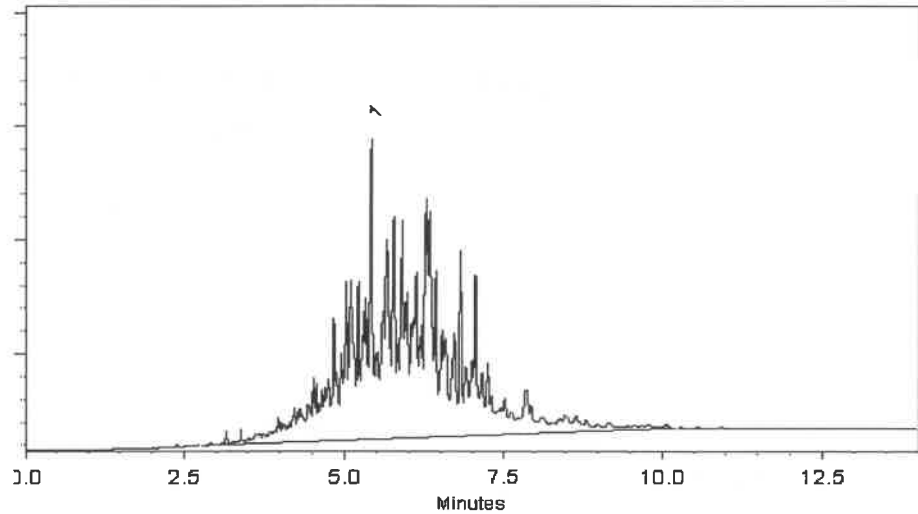
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

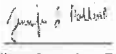


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

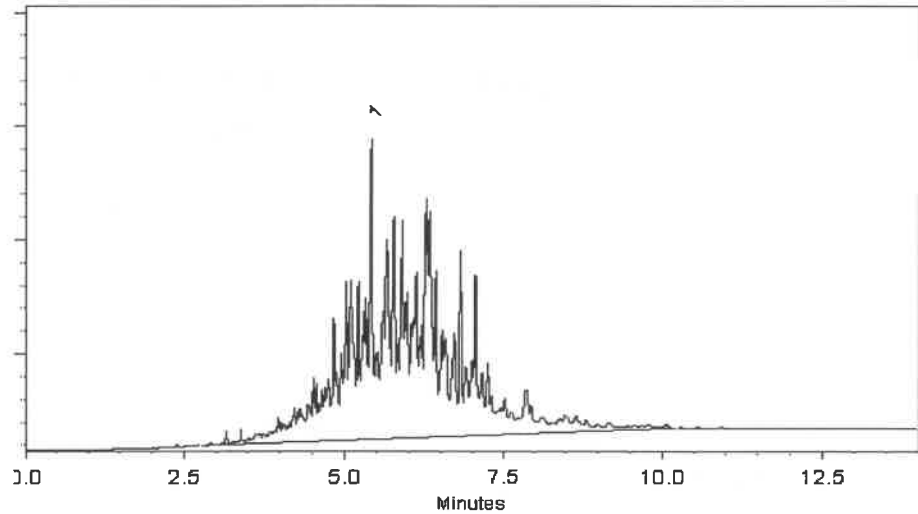
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

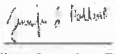


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

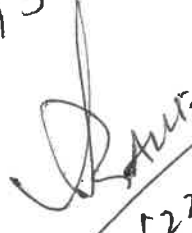
Date Mixed: 10-Oct-2023

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** 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:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

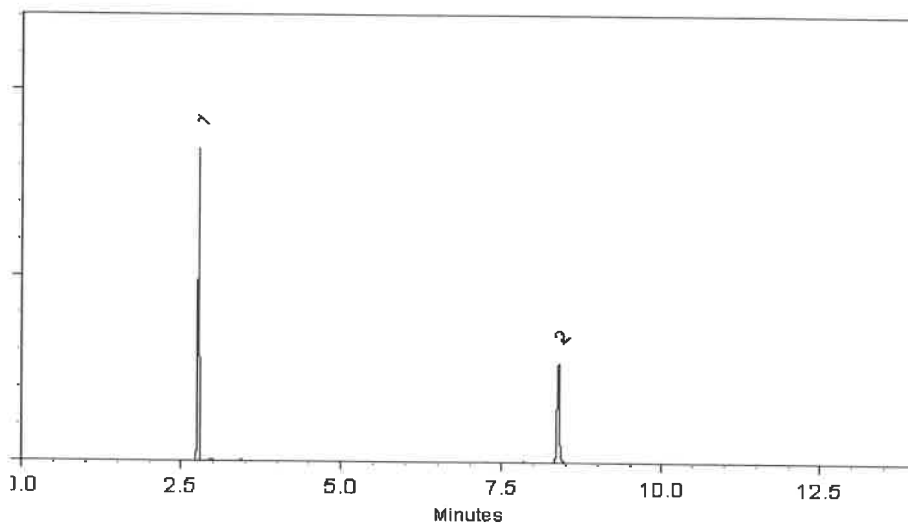
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

A.O.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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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:

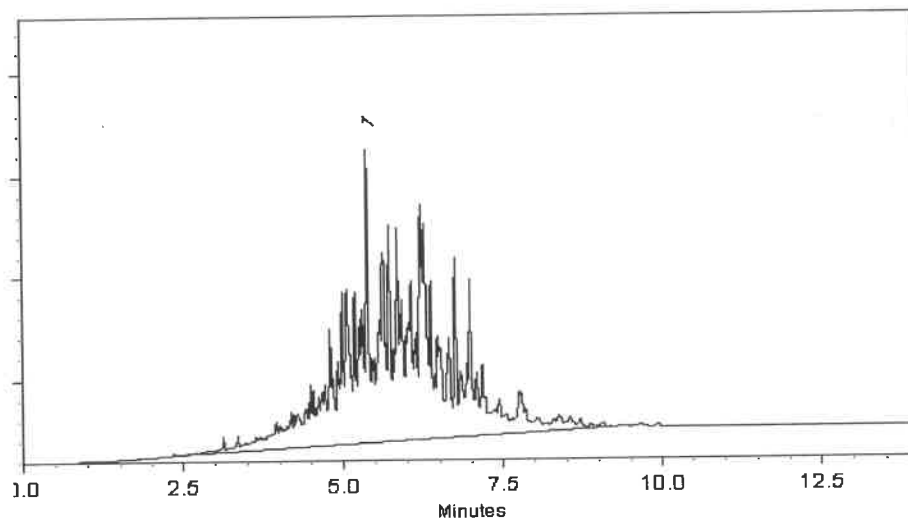
ECD

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

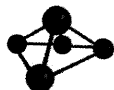

Christie Mills - Operations Lead Tech - ARM QC

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**

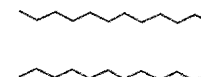
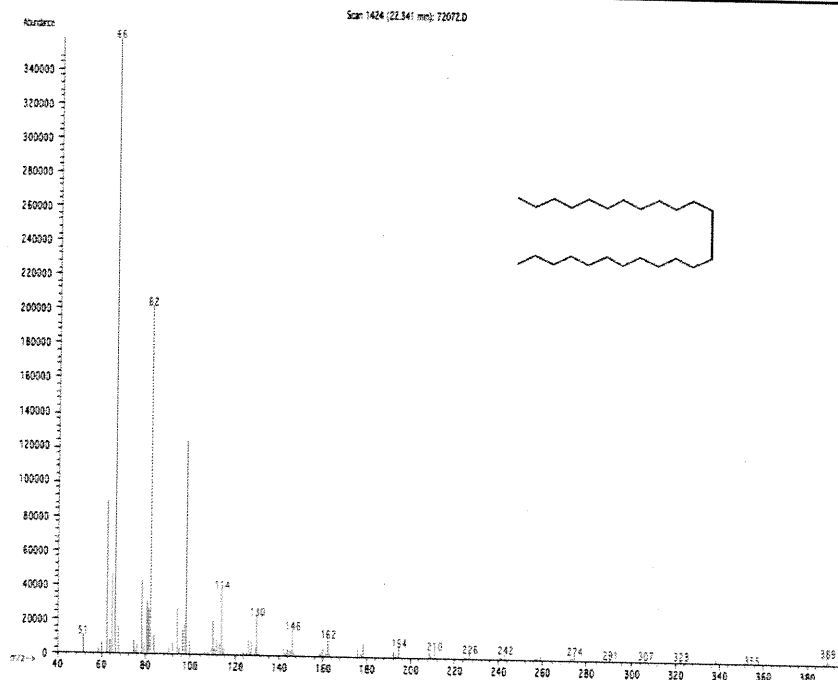
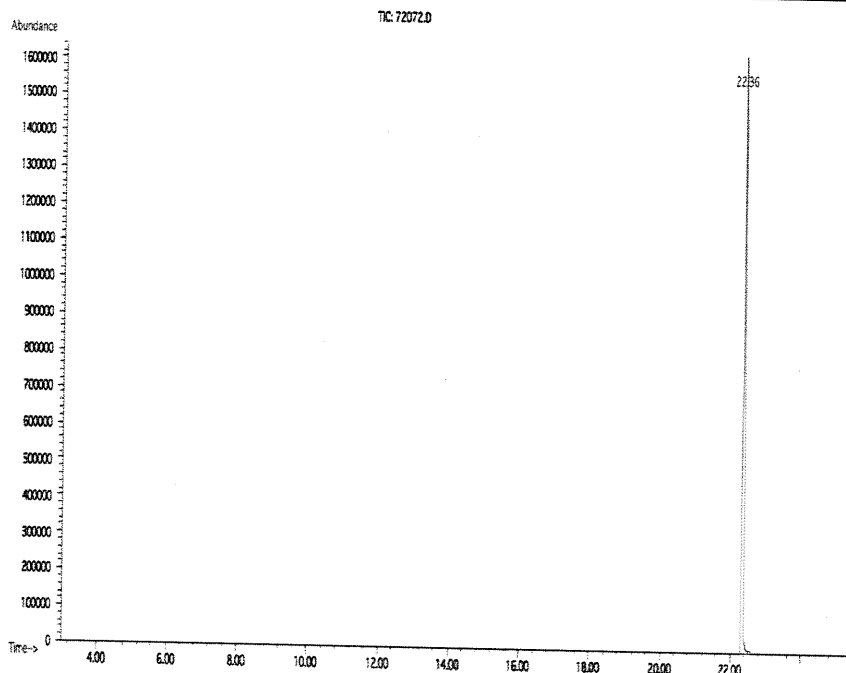
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

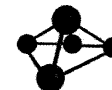
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

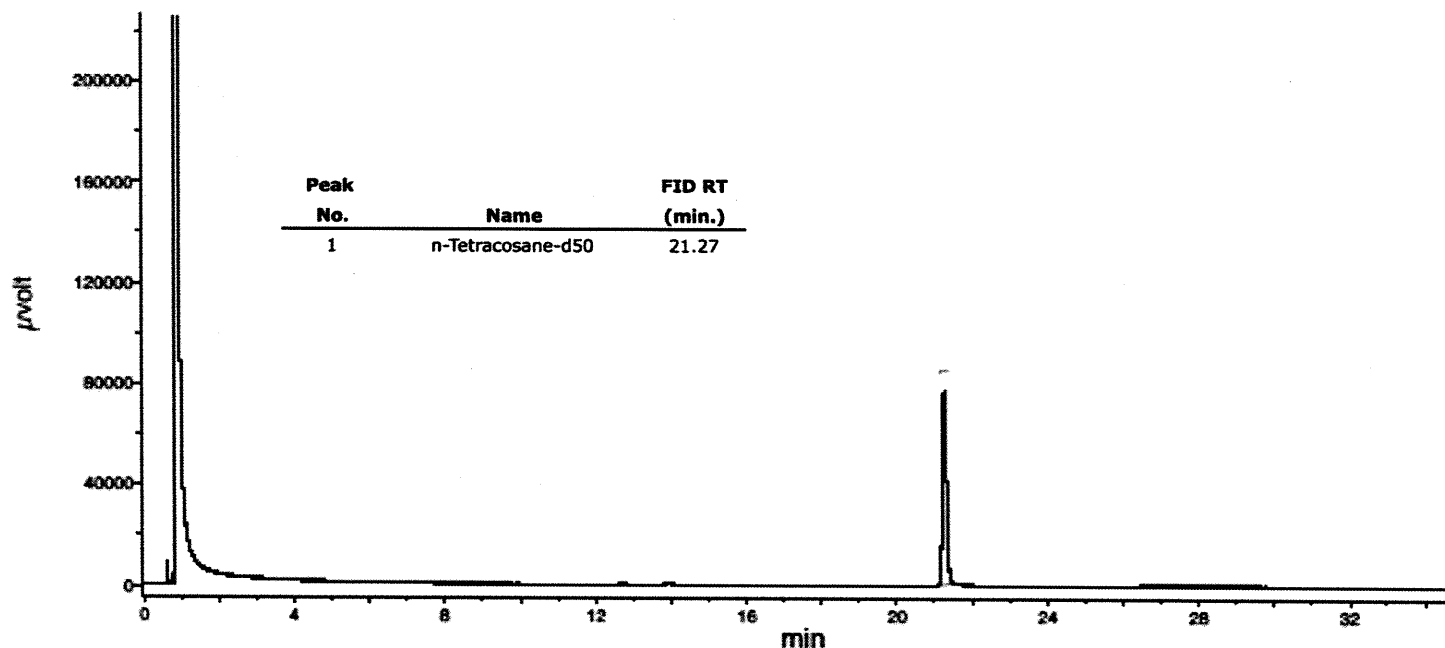
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



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

W3147
W3147
02/03/2023
JP

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 C6 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 H2SO4	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

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Products



SHIPPING DOCUMENTS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

Chemtech

Phone: (908) 789-8900

Fax: (908) 789-8922

284 Sheffield Street, Mountainside, NJ 07092

Company Name: Nobis Group
 Address: 55 Technology Dr Suite 101, Lowell, MA 01851
 Phone: 978-703-6014
 Project Name: Raymark
 Project Location: Stratford, CT
 Project Number: 95700
 Project Manager: Adam Roy
 Con-Test Quote Name/Number:
 Invoice Recipient:
 Sampled By: S. Stone

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Q1883

Page 1 of 1

Requested Turnaround Time		Dissolved Metals Samples		ANALYSIS REQUESTED												Preservation Code				
5-Day ☐	10-Day ☒	☐ Field Filtered	☐ Lab to Filter	M/O	I	I	I	I	I	I	I	I	I	I	I	Total Number Of: VIALS _____ GLASS _____ PLASTIC _____ BACTERIA _____ ENCORE _____ Glassware in the fridge? Y / N Glassware in freezer? Y / N Prepackaged Cooler? Y / N *Contest is not responsible for missing samples from prepacked coolers 1 Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define) 2 Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium Bisulfate X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)				
PFAS 10-Day (std) ☐	Due Date:	☐ Orthophosphate Samples	☐ Field Filtered																	
Rush-Approval Required		Orthophosphate Samples																		
1-Day ☐	3-Day ☐	☐ Field Filtered	☐ Lab to Filter																	
2-Day ☐	4-Day ☐	☐ Field Filtered	☐ Lab to Filter																	
Data Delivery																				
Format: PDF ☒	EXCEL ☒	PCB ONLY																		
Other: <u>equipped</u>		SOXHLET ☒																		
CLP Like Data Pkg Required: ☐ No		NON SOXHLET ☐																		
Email To: <u>aroy@nobis-group.com</u>																				
Fax To #:																				
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-27-042325	4/23/25	12:45	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-28-042326	4/23/25	12:50	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-29-042327	4/23/25	13:00	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-30-042328	4/23/25	13:15	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-31-042329	4/23/25	13:20	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-32-042330	4/23/25	13:30	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-VSL-18-042325	4/23/25	11:20	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-VSL-19-042326	4/23/25	11:50	C	SO		3	2	1			X	X	X	X	X	X	X	X	X
	80-TB-01-042325	4/23/25	800		SD		3					X								
Relinquished by: (signature)	Date/Time: <u>4/24/25 1310</u>	Client Comments: <u>Other preservative is DI water. DI preserved VOCs were frozen on 4/24/25 at 0600. Freeze upon receiving.</u>																		
Received by: (signature)	Date/Time: <u>4/25/25 0130</u>																			
Relinquished by: (signature)	Date/Time:	Detection Limit Requirements				Special Requirements				Please use the following codes to indicate possible sample concentration within the Conc Code column above: H - High; M - Medium; L - Low; C - Clean; U - Unknown										
Received by: (signature)	Date/Time:	MA ☐				MA MCP Required ☐														
Relinquished by: (signature)	Date/Time:	CT ☒				MCP Certification Form Required ☒														
Received by: (signature)	Date/Time:	Other: ☐				MA State DW Required ☐														
Relinquished by: (signature)	Date/Time:	Project Entity				PWSID #				NELAC and AHA-LAP, LLC Accredited										
Received by: (signature)	Date/Time:	Government ☐				Municipality ☐				MWRA ☐				WRTA ☐				Other ☐		
		Federal ☐				21 J ☐				School ☐								☐ Chromatogram		
		City ☐				Brownfield ☐				MBTA ☐								☐ AIHA-LAP, LLC		
Lab Comments: <u>3.6°C adjust factor +1 IR gun #1</u>		Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.																		

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883	NOBI03	Order Date : 4/25/2025 10:10:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 4/25/2025 9:30:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1883-01	OU4-PCS-TC-27-042325	Solid	04/23/2025	12:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-03	OU4-PCS-TC-28-042325	Solid	04/23/2025	12:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-05	OU4-PCS-TC-29-042325	Solid	04/23/2025	13:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-07	OU4-PCS-TC-30-042325	Solid	04/23/2025	13:15					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-09	OU4-PCS-TC-31-042325	Solid	04/23/2025	13:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-11	OU4-PCS-TC-32-042325	Solid	04/23/2025	13:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1883-13	OU4-PCS-18-042325	Solid	04/23/2025	11:20					
	VSL				VOCMS Group3		8260D	10 Bus. Days	
Q1883-15	OU4-PCS-19-042325	Solid	04/23/2025	11:50					
	VSL								

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883	NOBI03	Order Date : 4/25/2025 10:10:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 4/25/2025 9:30:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1883-17	SO-TB-01-042325	Solid	04/23/2025	08:00	VOCMS Group3		8260D	10 Bus. Days	
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 14:09:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	73541125	72472220	22.526	22.792
28)	SA Decachlor...	9.122	8.089	65094644	68362526	23.493	23.101
Target Compounds							
2)	A alpha-BHC	4.045	3.415	54247618	49140358	10.951	11.046
3)	MA gamma-BHC...	4.377	3.748	54291055	48800893	11.468	11.096
6)	B beta-BHC	4.563	4.042	22651669	23957368	10.956	11.541
14)	MA Endrin	6.622	5.806	174.6E6	208.2E6	54.830	57.181
17)	MA 4,4'-DDT	7.067	6.203	320.7E6	398.5E6	112.579	115.976
20)	A Methoxychlor	7.538	6.774	370.0E6	483.6E6	265.186	253.560
22)	Mirex	0.000	7.230f	0	4349973	N.D.	1.509 #

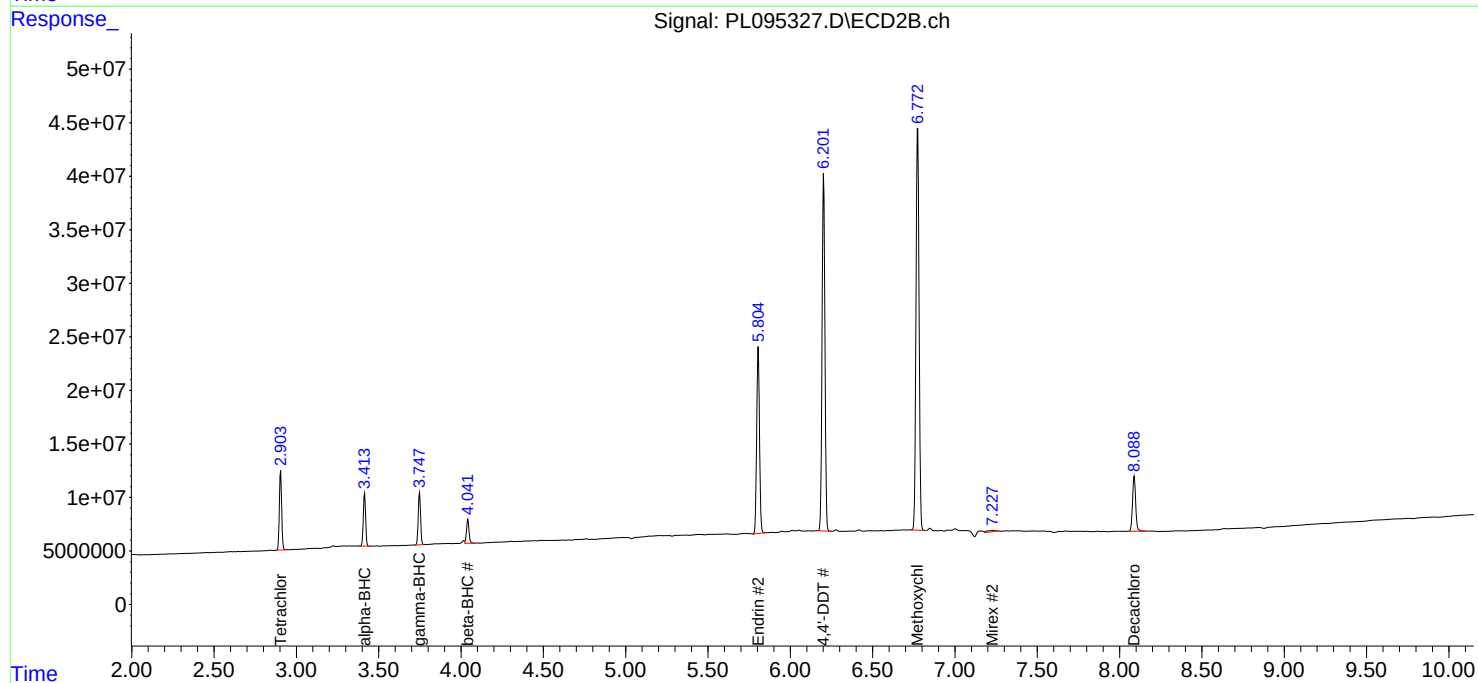
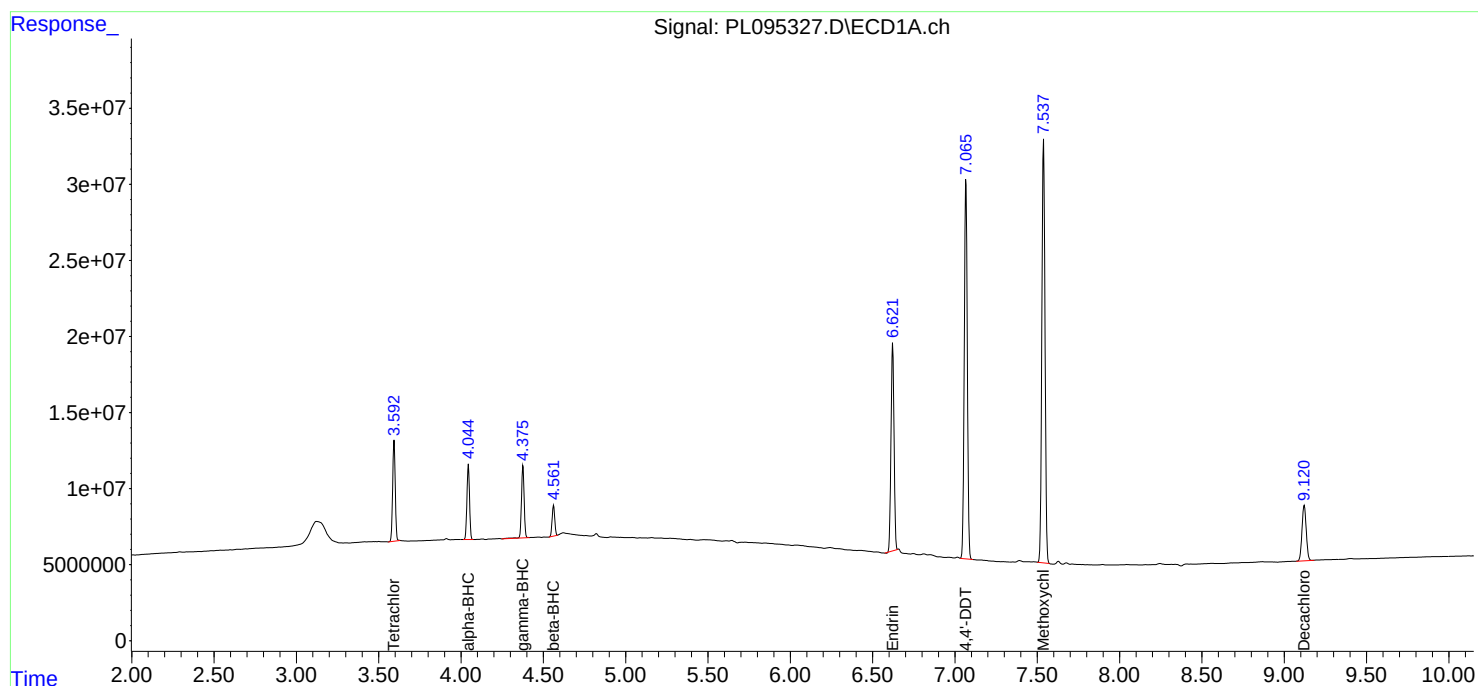
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

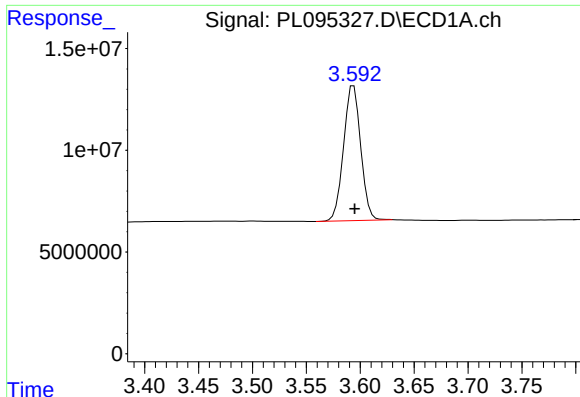
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

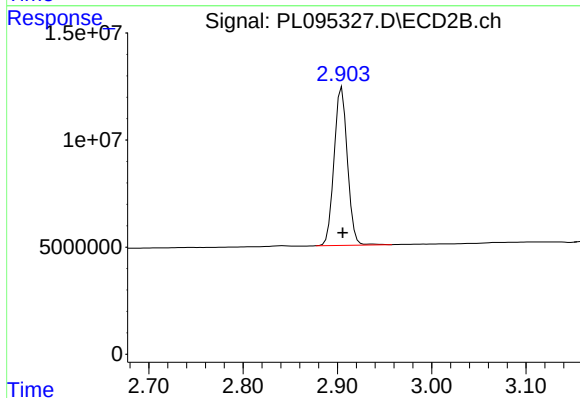




#1 Tetrachloro-m-xylene

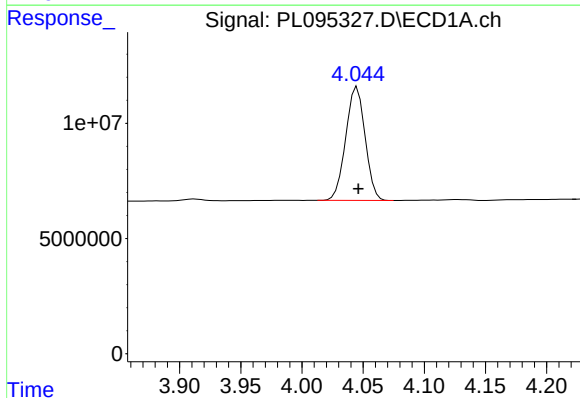
R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 73541125
Conc: 22.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



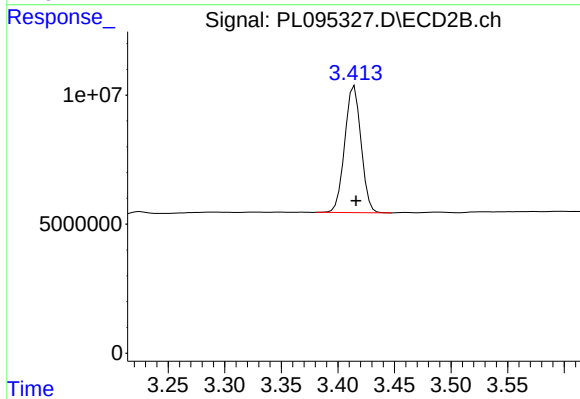
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 72472220
Conc: 22.79 ng/ml



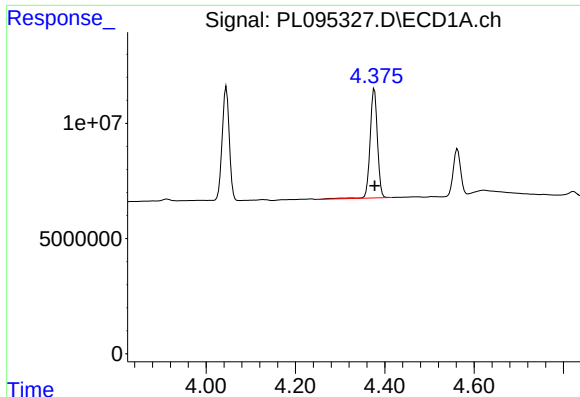
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 54247618
Conc: 10.95 ng/ml



#2 alpha-BHC

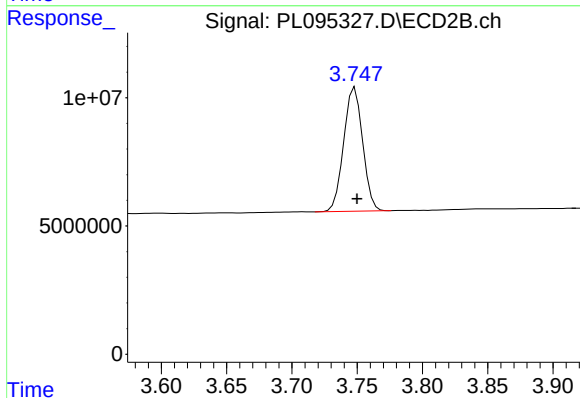
R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 49140358
Conc: 11.05 ng/ml



#3 gamma-BHC (Lindane)

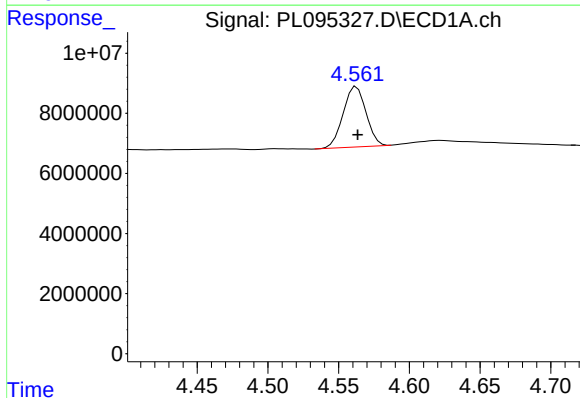
R.T.: 4.377 min
Delta R.T.: 0.000 min
Response: 54291055
Conc: 11.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



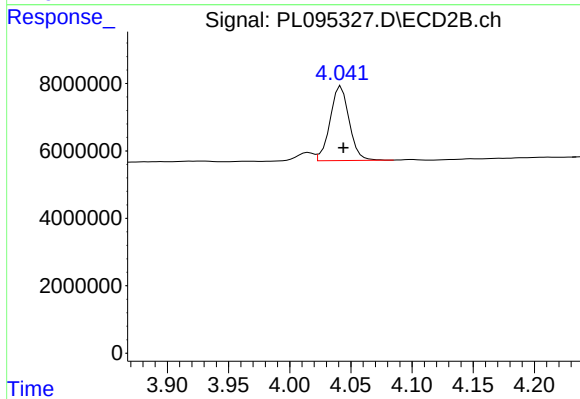
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 48800893
Conc: 11.10 ng/ml



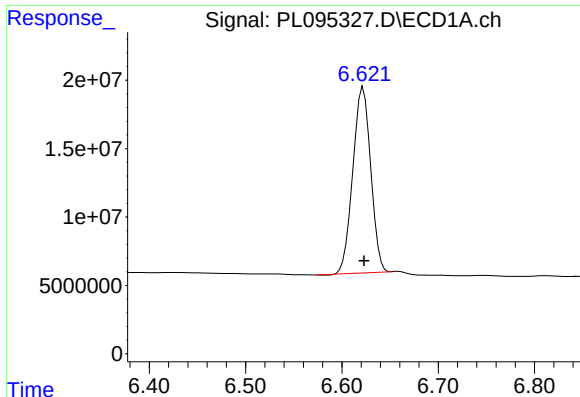
#6 beta-BHC

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 22651669
Conc: 10.96 ng/ml



#6 beta-BHC

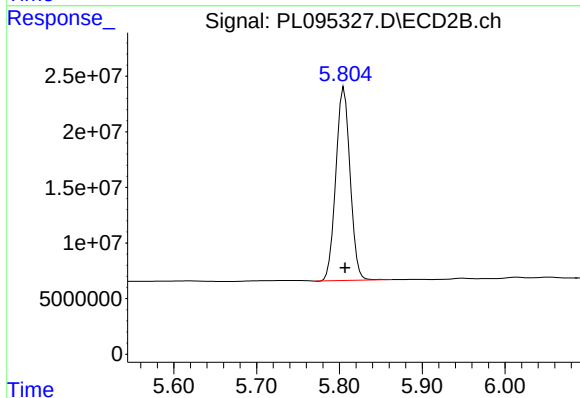
R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 23957368
Conc: 11.54 ng/ml



#14 Endrin

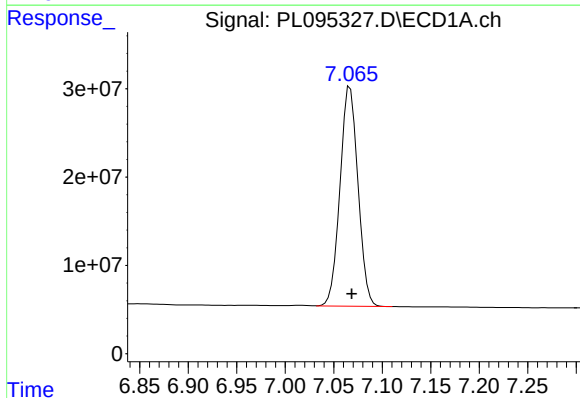
R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 174620420
Conc: 54.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



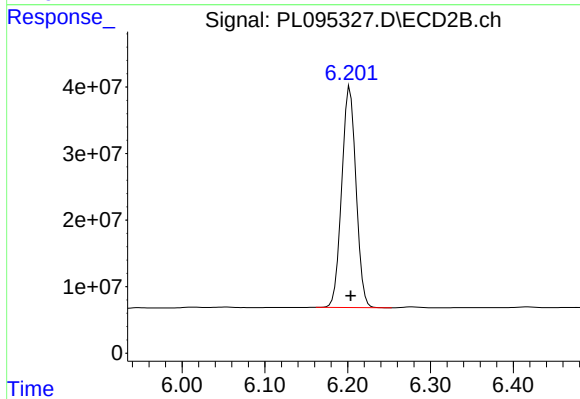
#14 Endrin

R.T.: 5.806 min
Delta R.T.: -0.001 min
Response: 208180230
Conc: 57.18 ng/ml



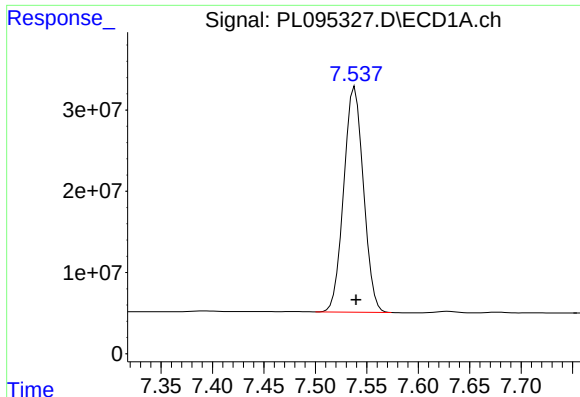
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: -0.002 min
Response: 320688921
Conc: 112.58 ng/ml



#17 4,4'-DDT

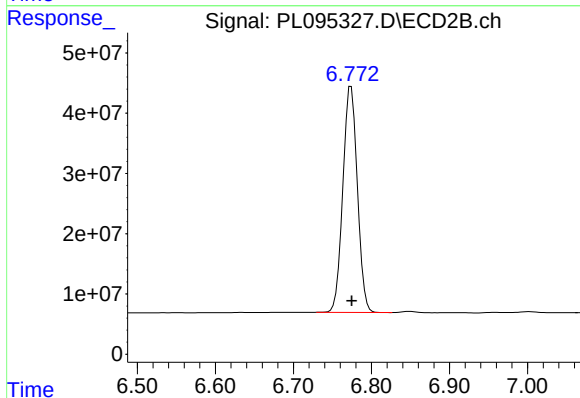
R.T.: 6.203 min
Delta R.T.: -0.001 min
Response: 398515432
Conc: 115.98 ng/ml



#20 Methoxychlor

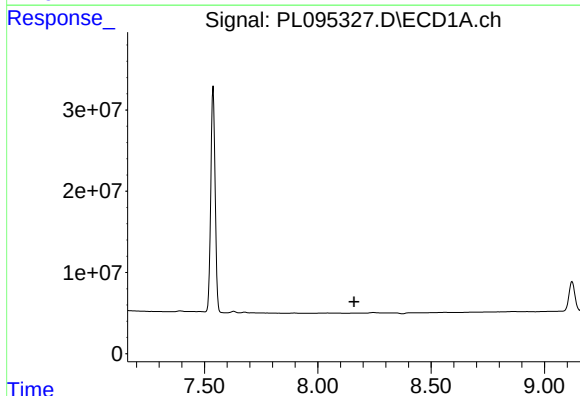
R.T.: 7.538 min
Delta R.T.: -0.001 min
Response: 369969247
Conc: 265.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



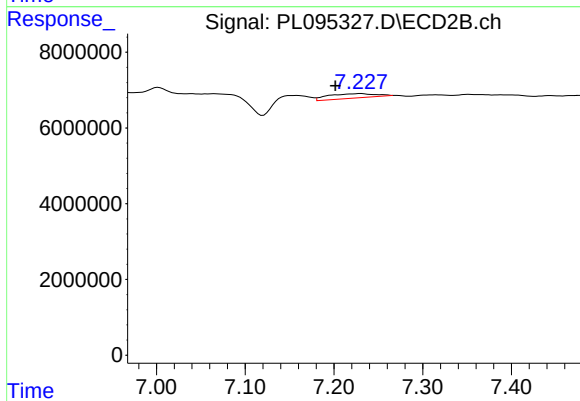
#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 483648088
Conc: 253.56 ng/ml



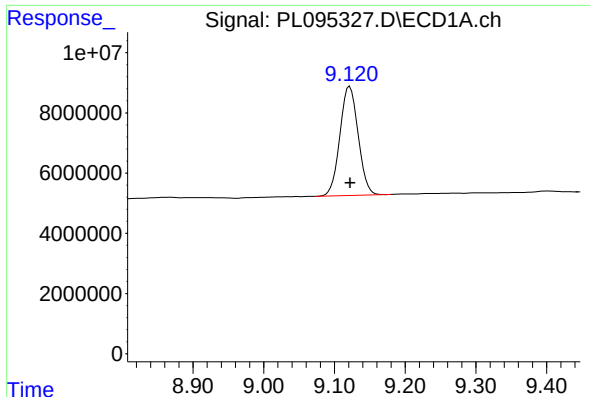
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.161 min
Response: 0
Conc: N.D.



#22 Mirex

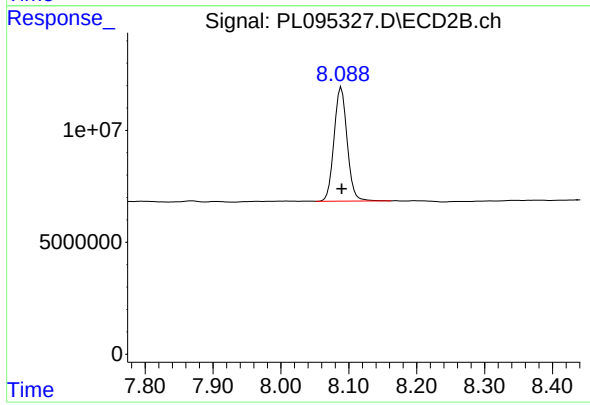
R.T.: 7.230 min
Delta R.T.: 0.029 min
Response: 4349973
Conc: 1.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 65094644
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 68362526
Conc: 23.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 11:18
 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: Apr 23 14:09:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.906	62004694	61272348	18.993	19.270
28)	SA Decachlor...	9.122	8.089	53403082	56912207	19.273	19.232
Target Compounds							
9)	A Endosulfan I	6.122	5.266	32613312	32263148	8.588	8.814
10)	B gamma-Chl...	5.992	5.145	37114775	39643253	9.098	9.782
12)	B 4,4'-DDE	6.242	5.397	74307748	78460494	18.953	19.292
13)	MA Dieldrin	6.395	5.531	71017950	76605618	18.423	18.836
19)	B Endosulfa...	7.197	6.498	53082691	63329750	18.946	19.087
20)	A Methoxychlor	7.539	6.775	125.8E6	173.2E6	90.164	90.816
21)	B Endrin ke...	7.678	7.004	53522821	65934818	18.774	18.725
25)	Chlordane-3	5.992	5.145	37114775	39643253	47.649	76.736 #

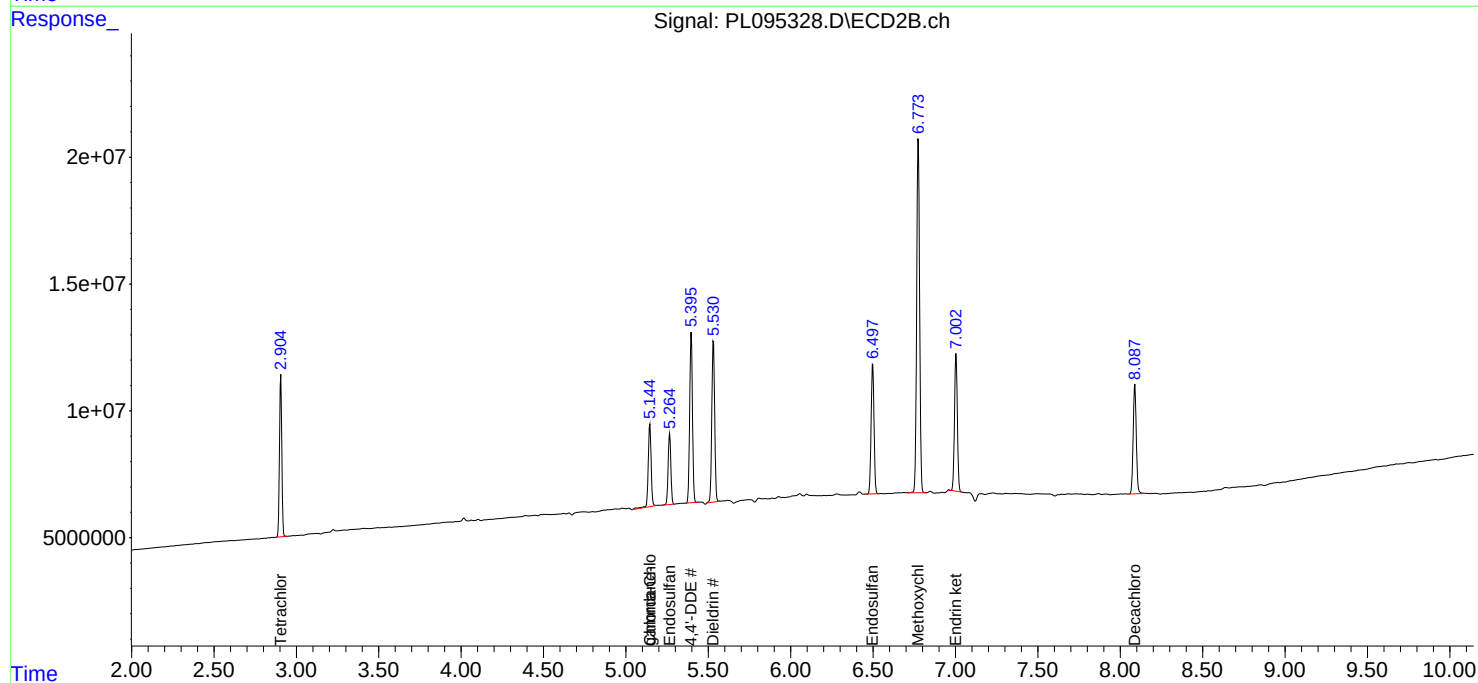
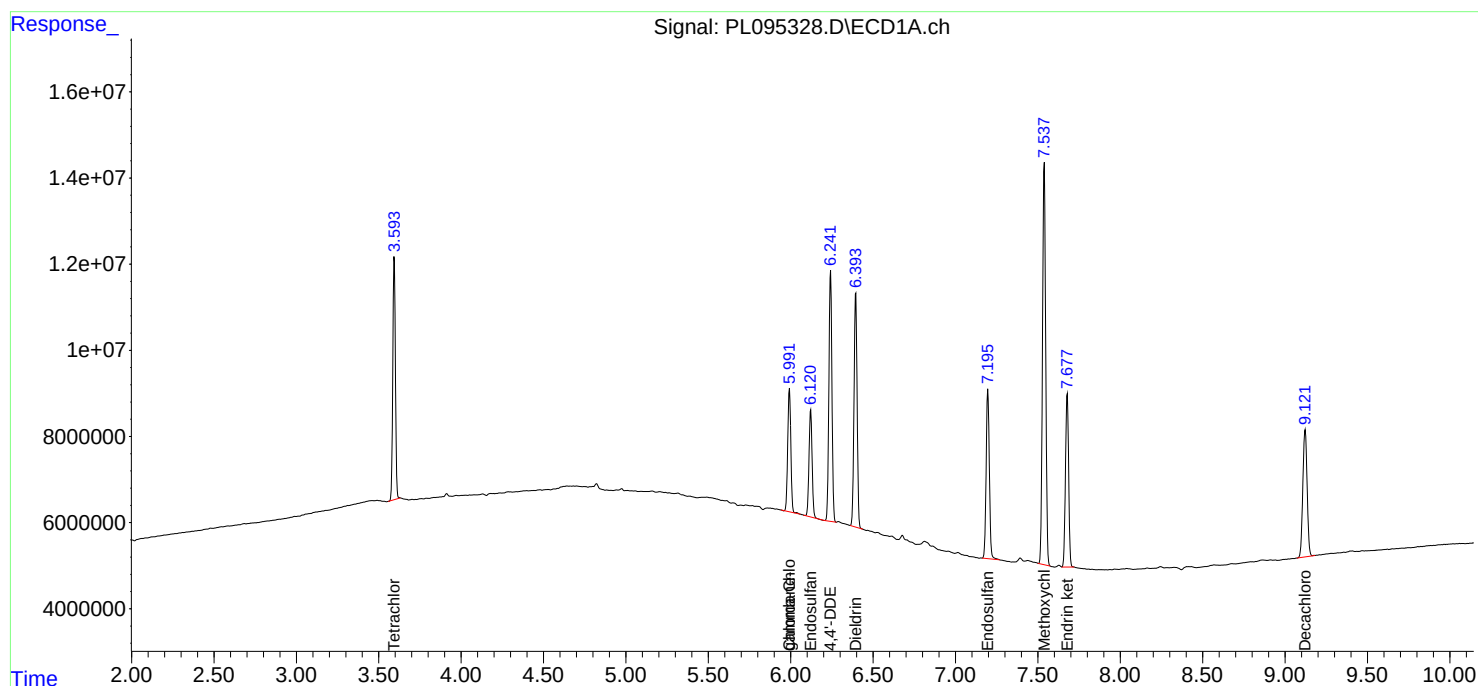
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

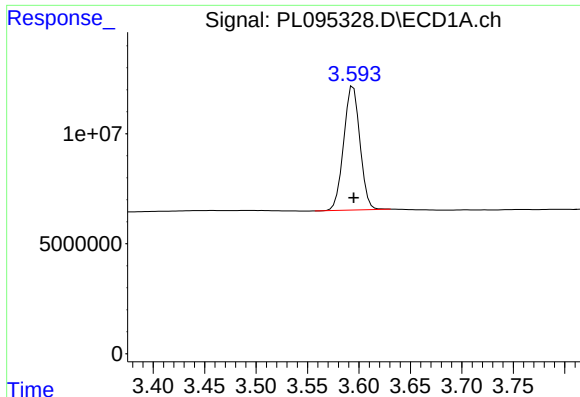
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

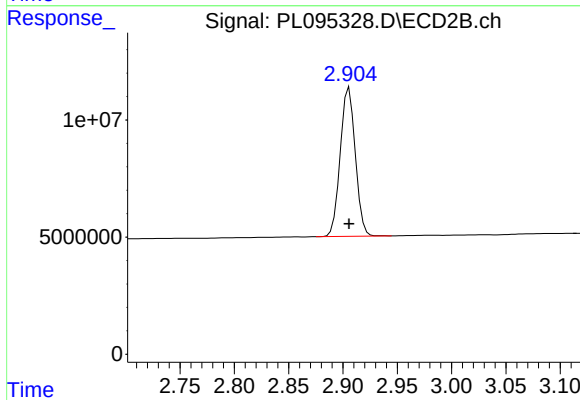




#1 Tetrachloro-m-xylene

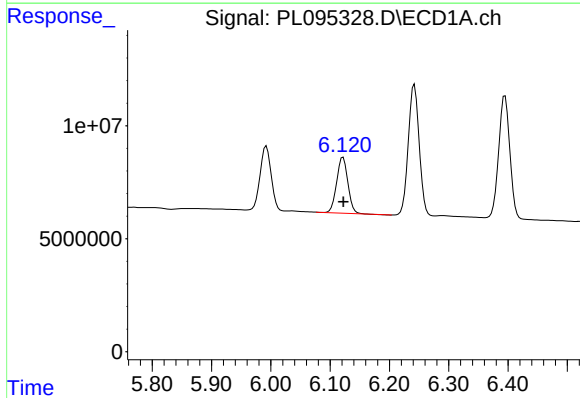
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 62004694
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



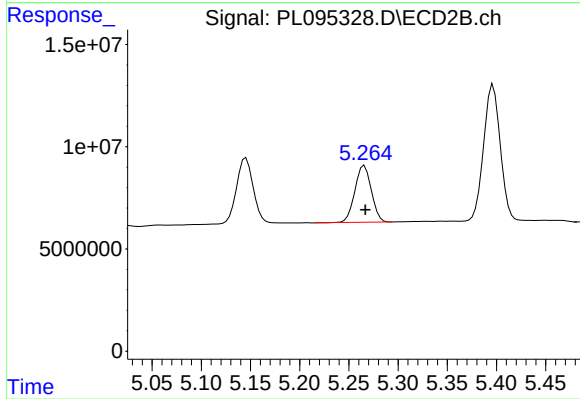
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 61272348
Conc: 19.27 ng/ml



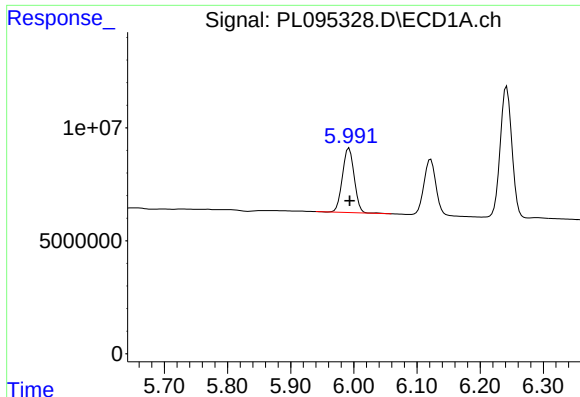
#9 Endosulfan I

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 32613312
Conc: 8.59 ng/ml



#9 Endosulfan I

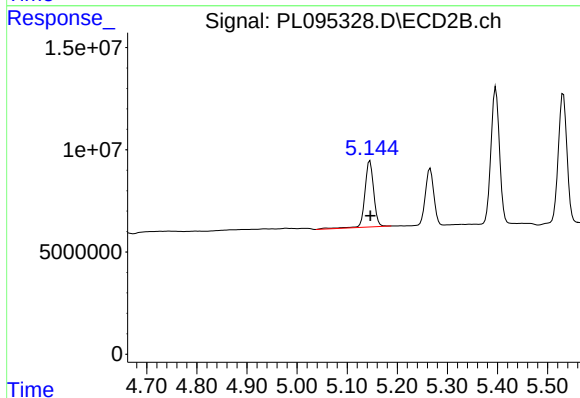
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 32263148
Conc: 8.81 ng/ml



#10 gamma-Chlordane

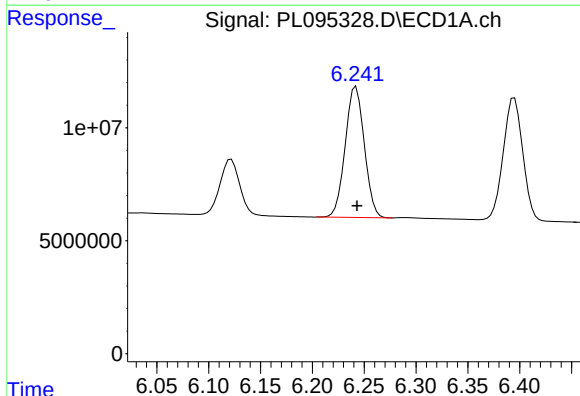
R.T.: 5.992 min
Delta R.T.: -0.001 min
Response: 37114775
Conc: 9.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



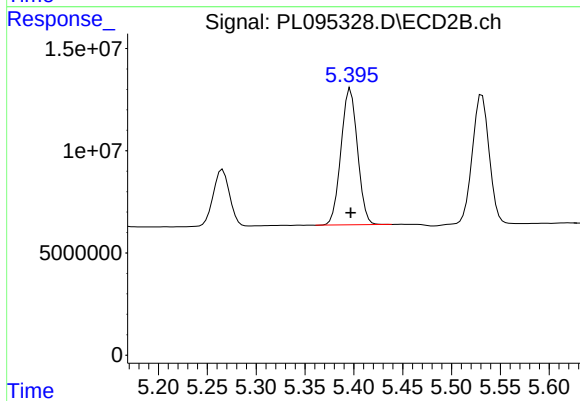
#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: -0.001 min
Response: 39643253
Conc: 9.78 ng/ml



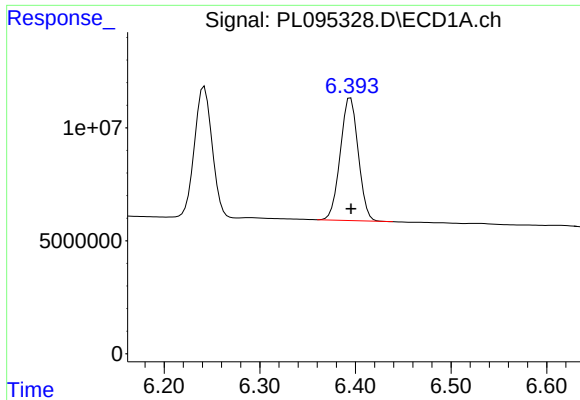
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 74307748
Conc: 18.95 ng/ml



#12 4,4'-DDE

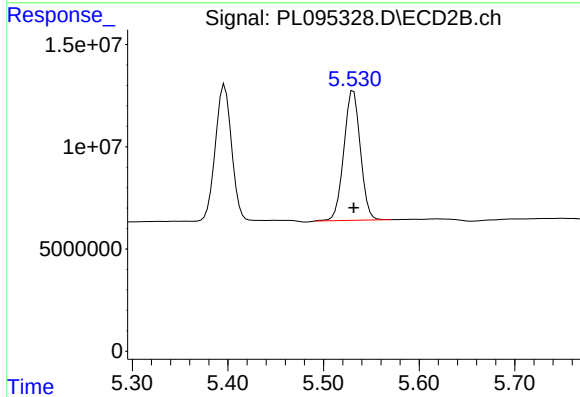
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 78460494
Conc: 19.29 ng/ml



#13 Dieldrin

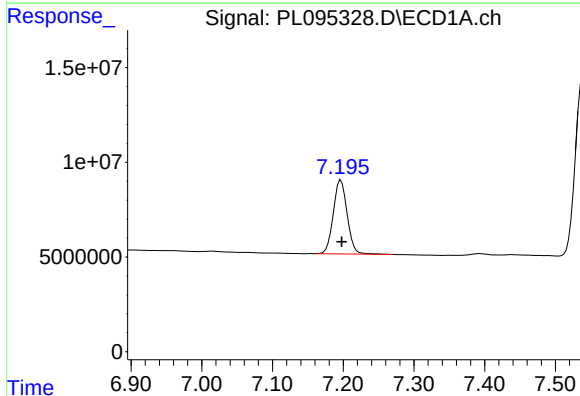
R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 71017950
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



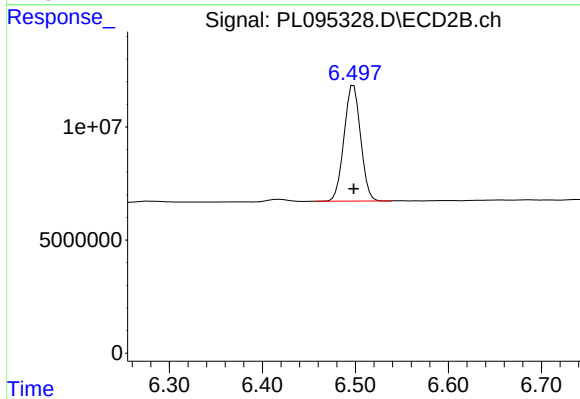
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 76605618
Conc: 18.84 ng/ml



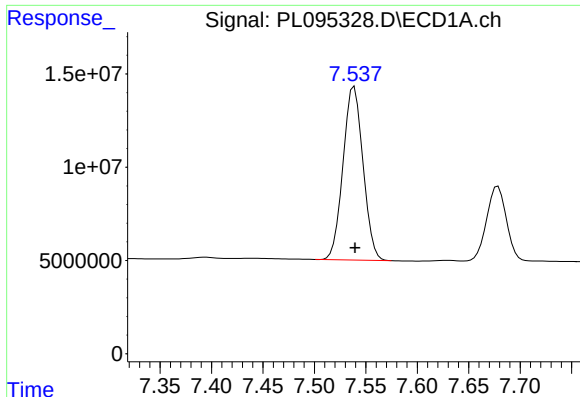
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: -0.001 min
Response: 53082691
Conc: 18.95 ng/ml



#19 Endosulfan Sulfate

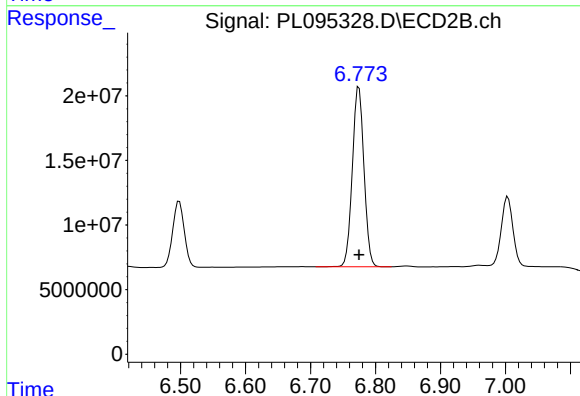
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 63329750
Conc: 19.09 ng/ml



#20 Methoxychlor

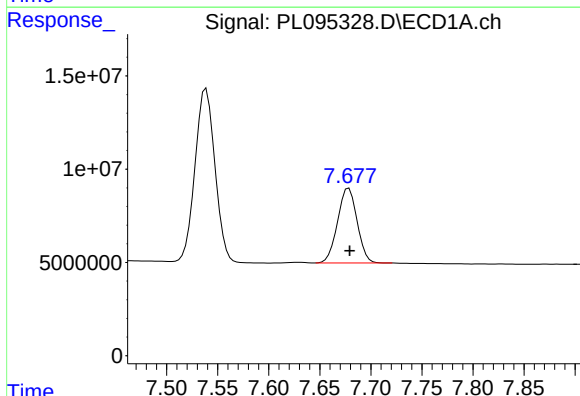
R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 125791271
Conc: 90.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



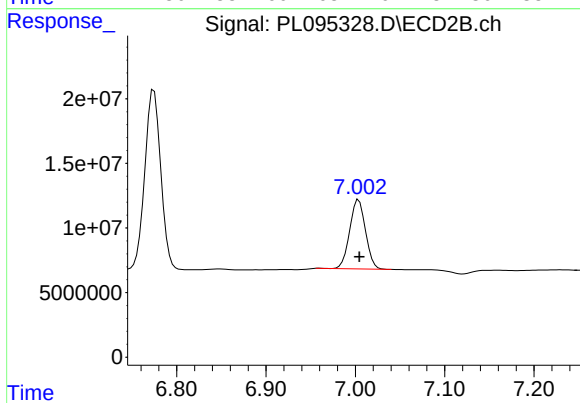
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 173224939
Conc: 90.82 ng/ml



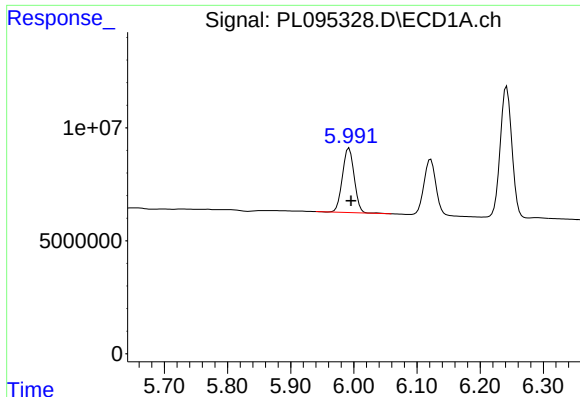
#21 Endrin ketone

R.T.: 7.678 min
Delta R.T.: 0.000 min
Response: 53522821
Conc: 18.77 ng/ml



#21 Endrin ketone

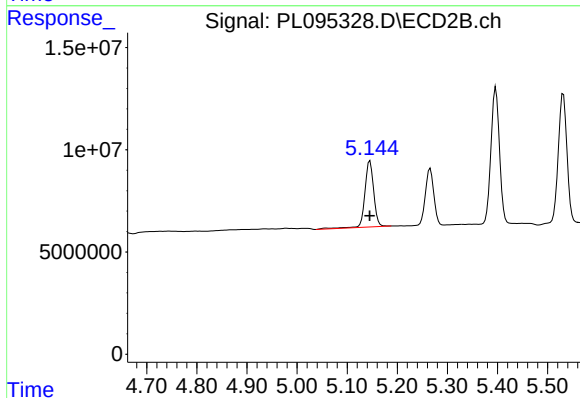
R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 65934818
Conc: 18.72 ng/ml



#25 Chlordane-3

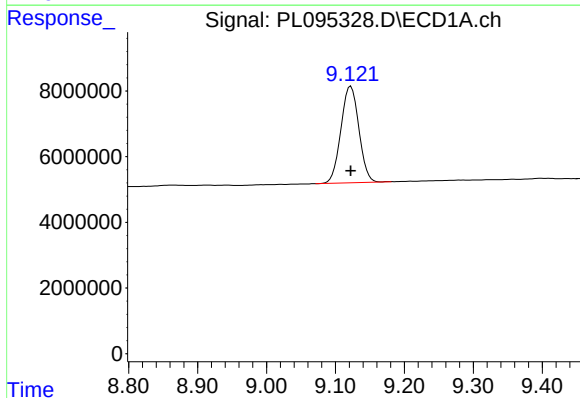
R.T.: 5.992 min
Delta R.T.: -0.003 min
Response: 37114775
Conc: 47.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



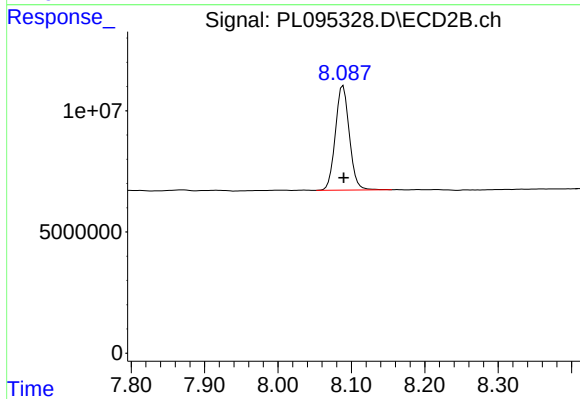
#25 Chlordane-3

R.T.: 5.145 min
Delta R.T.: 0.000 min
Response: 39643253
Conc: 76.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 53403082
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 56912207
Conc: 19.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095332.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:12
 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: Apr 23 12:33:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:26:08 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...	3.595	2.906	82279109	79670448	25.556	25.405
28)	SA Decachlor...	9.124	8.090	70535847	76004301	26.234	26.034
Target Compounds							
2)	A alpha-BHC	4.047	3.416	121.3E6	108.7E6	24.454	24.298
3)	MA gamma-BHC...	4.378	3.750	116.7E6	108.7E6	24.751	24.663
4)	MA Heptachlor	4.976	4.105	114.4E6	109.1E6	25.344	25.223
5)	MB Aldrin	5.318	4.390	113.5E6	102.3E6	24.986	24.836
6)	B beta-BHC	4.564	4.044	52142080	53091040	25.782	26.127
7)	B delta-BHC	4.812	4.280	114.2E6	107.7E6	24.868	24.518
8)	B Heptachlo...	5.740	4.894	100.8E6	97198123	25.588	25.436
9)	A Endosulfan I	6.123	5.267	94665753	92648144	25.369	25.433
10)	B gamma-Chl...	5.994	5.147	102.0E6	101.3E6	25.228	25.273
11)	B alpha-Chl...	6.075	5.211	102.1E6	100.0E6	25.401	25.384
12)	B 4,4'-DDE	6.243	5.398	98088772	102.4E6	25.397	25.298
13)	MA Dieldrin	6.396	5.532	96281168	101.2E6	25.205	25.192
14)	MA Endrin	6.624	5.807	79734368	91669531	25.445	25.334
15)	B Endosulfa...	6.836	6.097	80317081	90454520	25.810	25.538
16)	A 4,4'-DDD	6.753	5.950	70509869	81698054	25.153	25.132
17)	MA 4,4'-DDT	7.068	6.204	71529390	86031617	25.119	24.998
18)	B Endrin al...	6.965	6.276	59366165	66150972	26.008	25.651
19)	B Endosulfa...	7.198	6.499	71073932	83744169	25.875	25.644
20)	A Methoxychlor	7.540	6.775	35648257	48736354	26.126	26.046
21)	B Endrin ke...	7.679	7.005	72029844	88886335	25.738	25.482
22)	Mirex	8.161	7.202	60846386	74045283	26.712	26.336

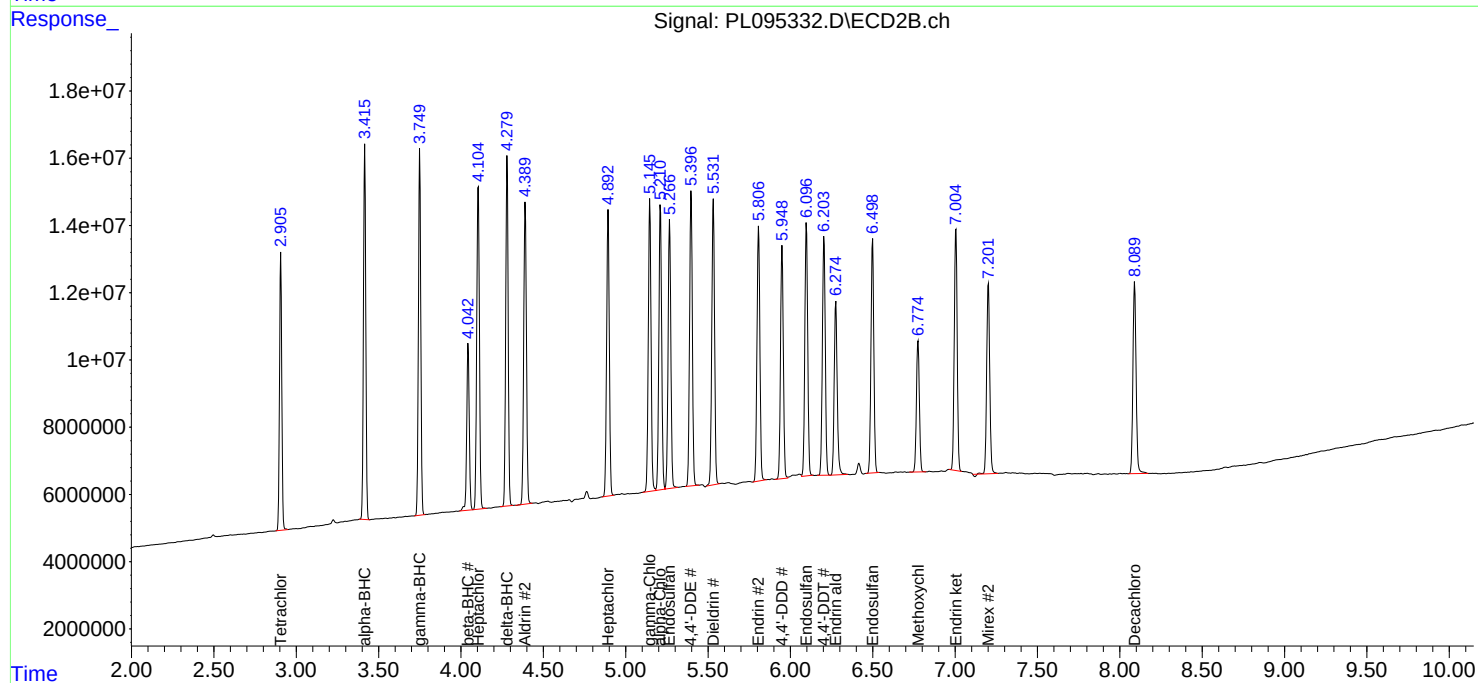
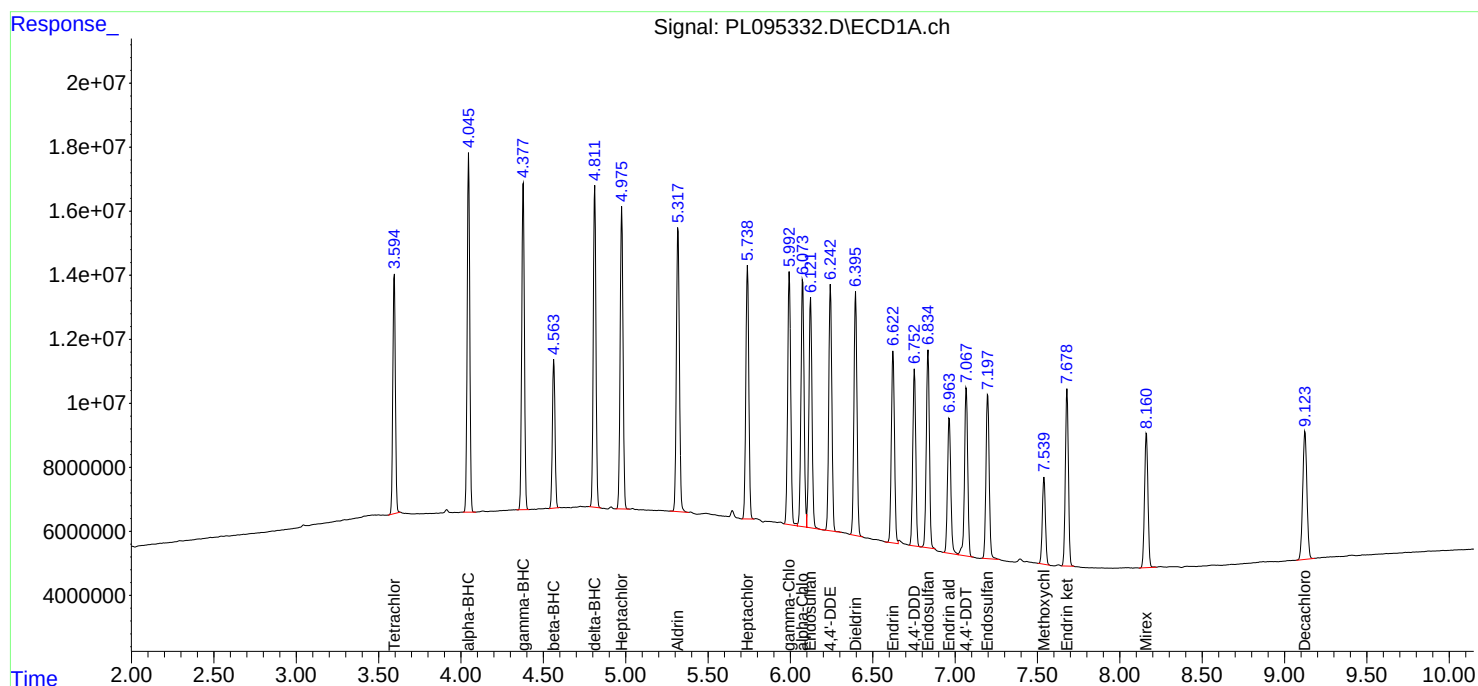
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

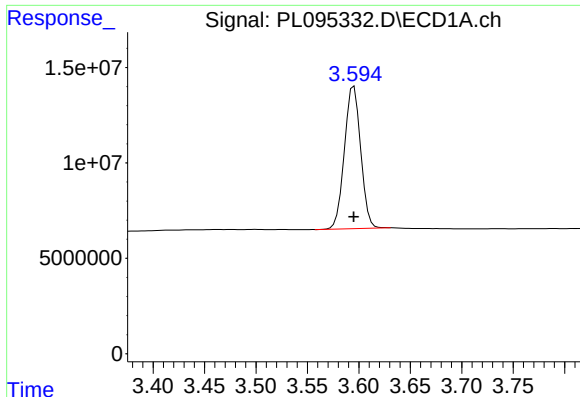
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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

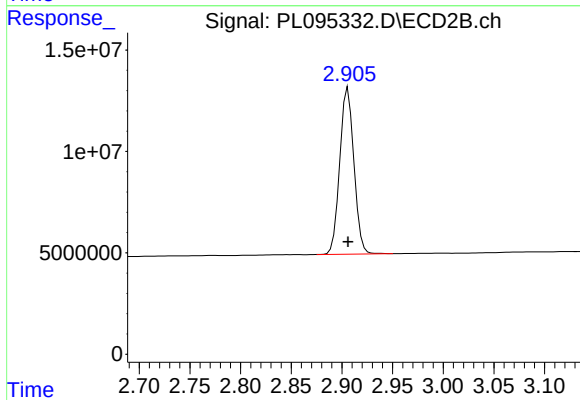




#1 Tetrachloro-m-xylene

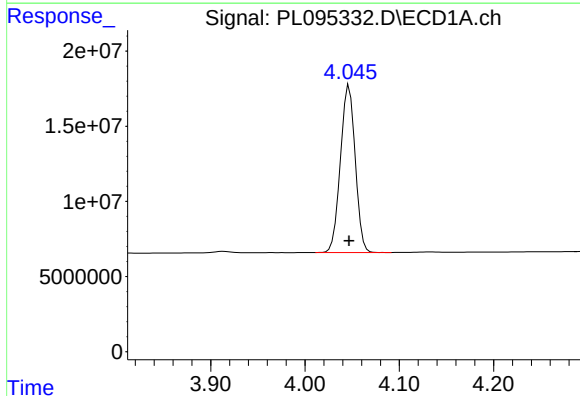
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 82279109
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



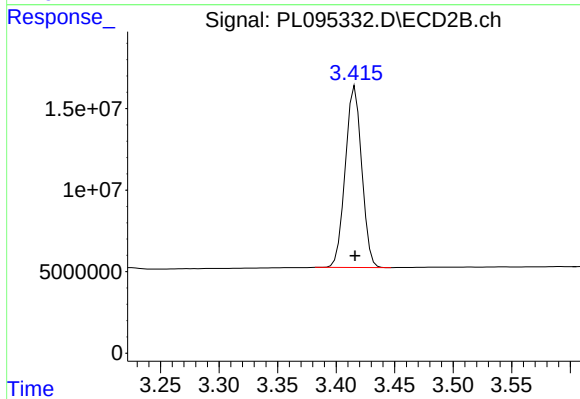
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 79670448
Conc: 25.41 ng/ml



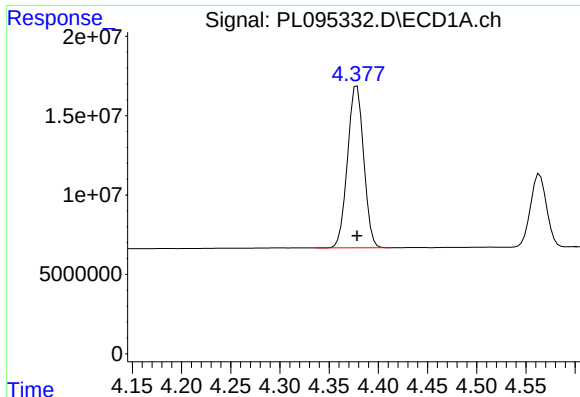
#2 alpha-BHC

R.T.: 4.047 min
Delta R.T.: 0.000 min
Response: 121308952
Conc: 24.45 ng/ml



#2 alpha-BHC

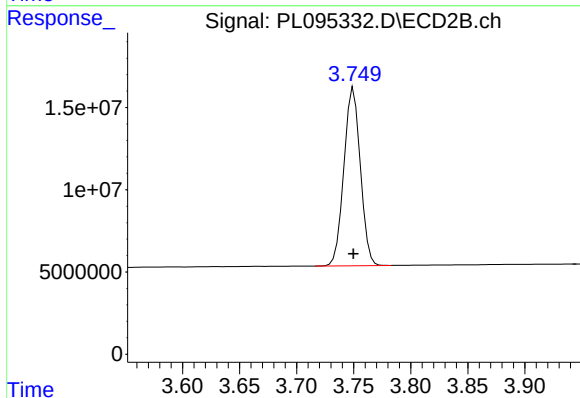
R.T.: 3.416 min
Delta R.T.: 0.000 min
Response: 108731559
Conc: 24.30 ng/ml



#3 gamma-BHC (Lindane)

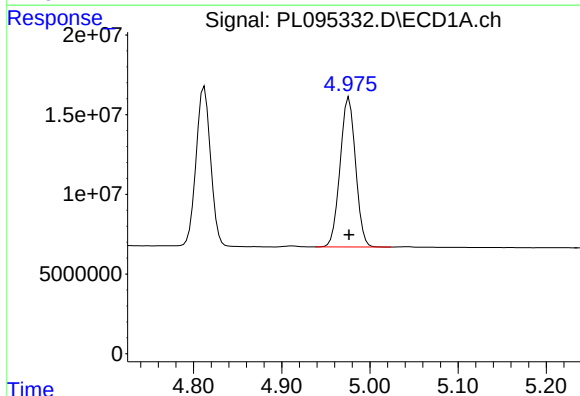
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 116701967
Conc: 24.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



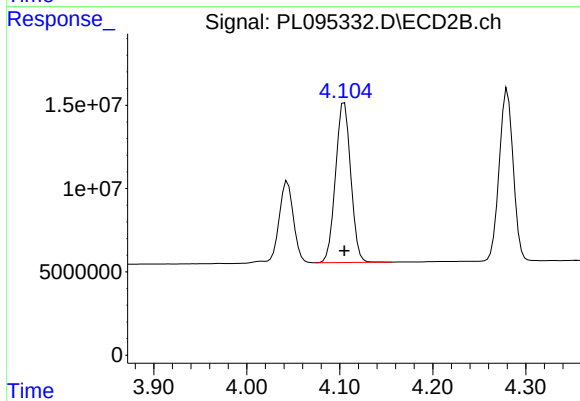
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 108658055
Conc: 24.66 ng/ml



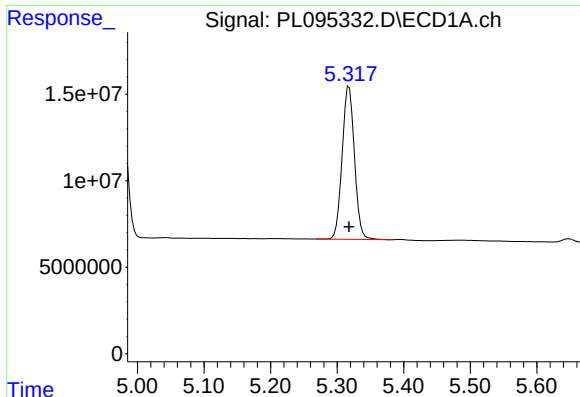
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 114394361
Conc: 25.34 ng/ml



#4 Heptachlor

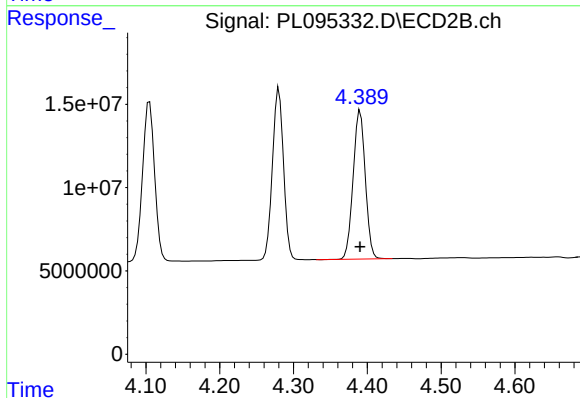
R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 109078662
Conc: 25.22 ng/ml



#5 Aldrin

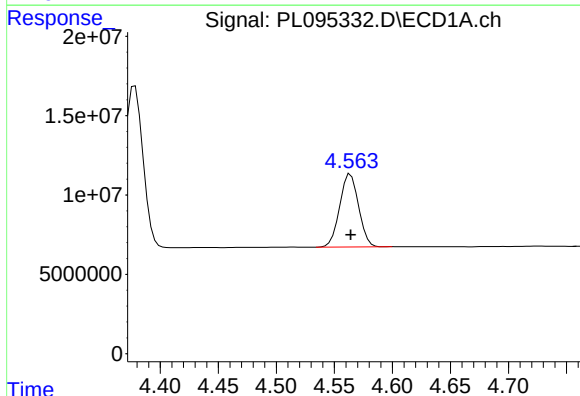
R.T.: 5.318 min
Delta R.T.: 0.000 min
Response: 113544428
Conc: 24.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



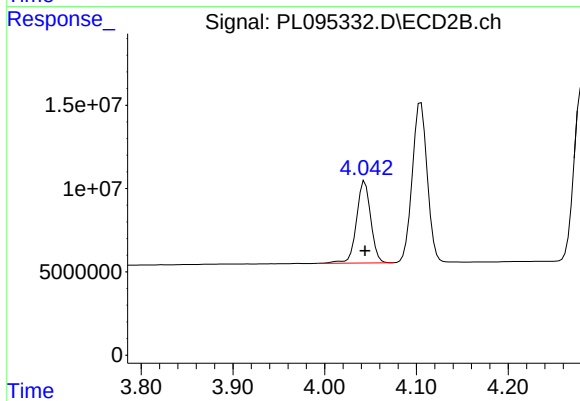
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 102258177
Conc: 24.84 ng/ml



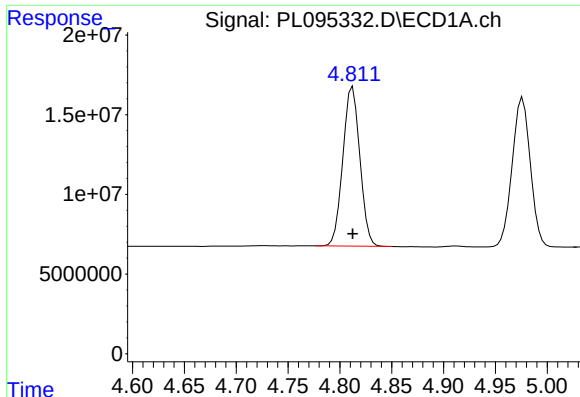
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 52142080
Conc: 25.78 ng/ml



#6 beta-BHC

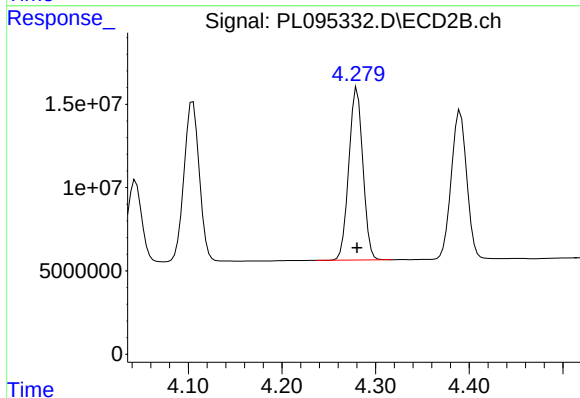
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 53091040
Conc: 26.13 ng/ml



#7 delta-BHC

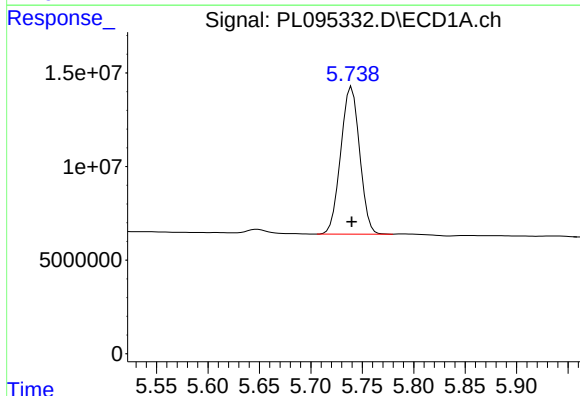
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 114152832
Conc: 24.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



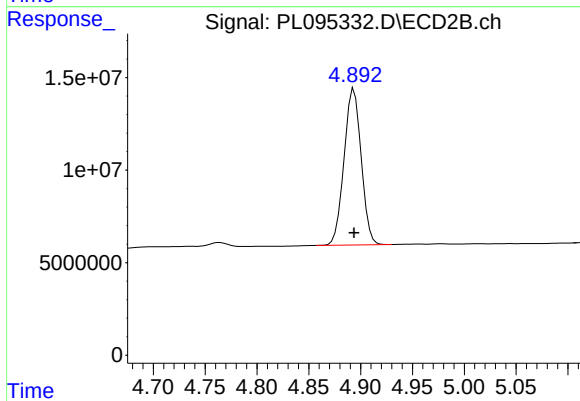
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 107702234
Conc: 24.52 ng/ml



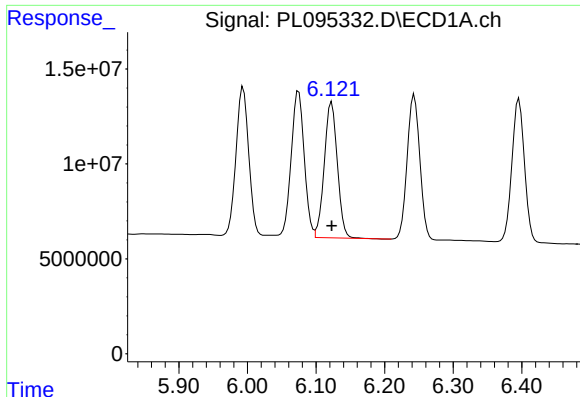
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 100790865
Conc: 25.59 ng/ml



#8 Heptachlor epoxide

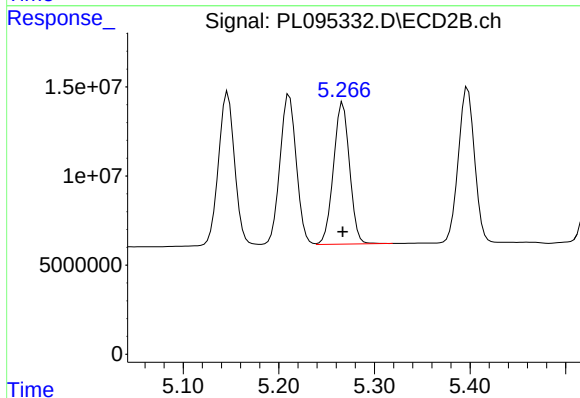
R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 97198123
Conc: 25.44 ng/ml



#9 Endosulfan I

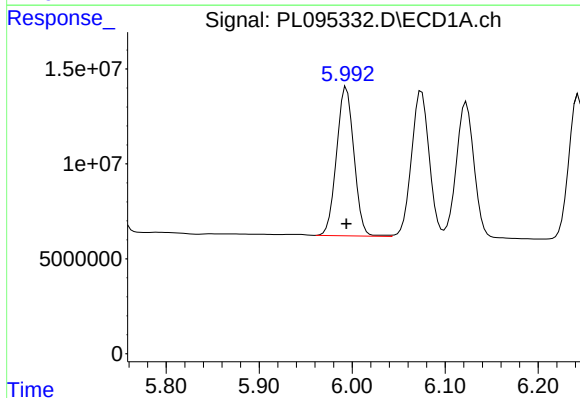
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 94665753
Conc: 25.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



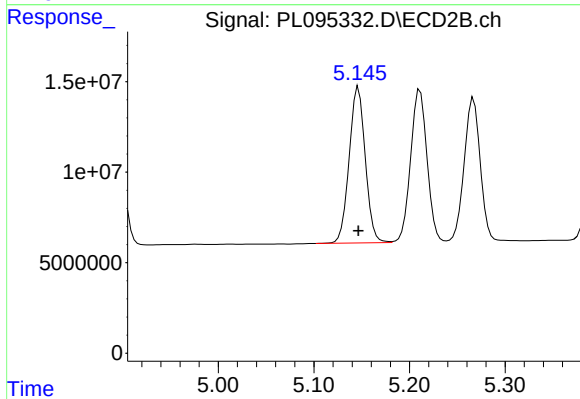
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 92648144
Conc: 25.43 ng/ml



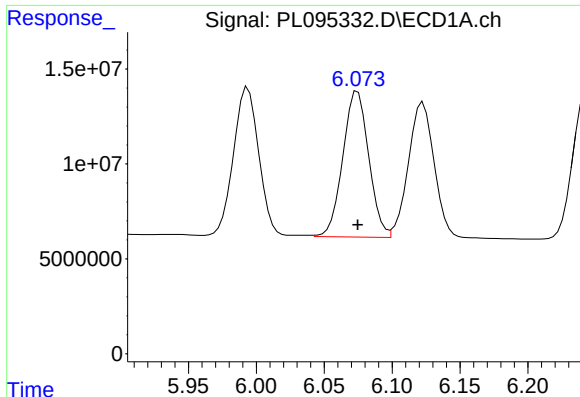
#10 gamma-Chlordane

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 101968760
Conc: 25.23 ng/ml



#10 gamma-Chlordane

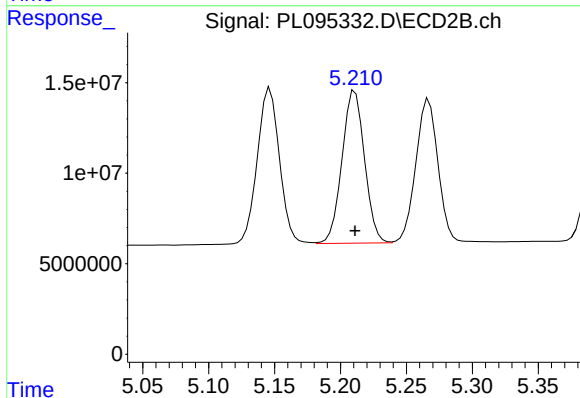
R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 101250223
Conc: 25.27 ng/ml



#11 alpha-Chlordane

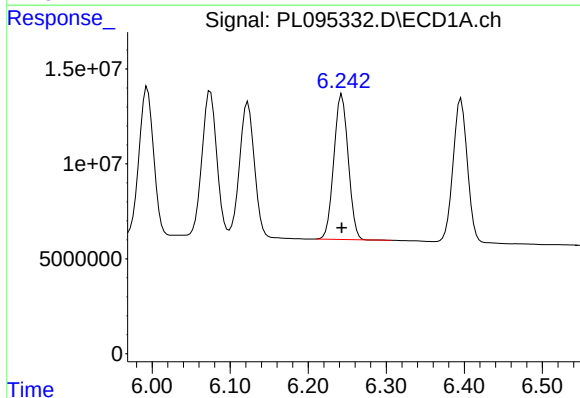
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 102090791
Conc: 25.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



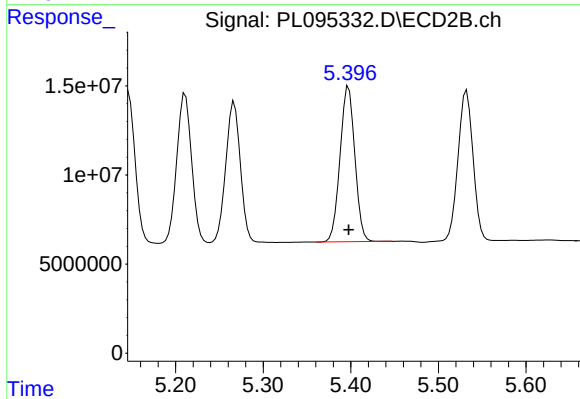
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 100026867
Conc: 25.38 ng/ml



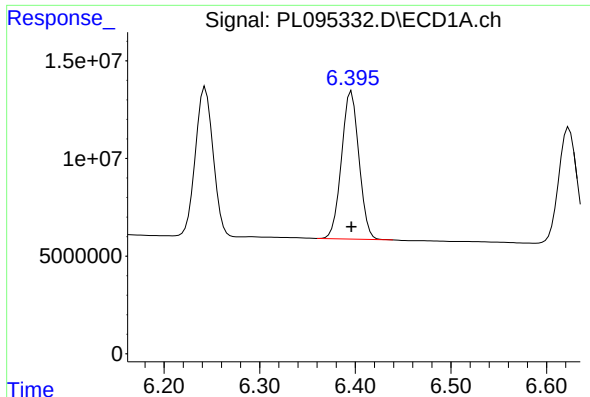
#12 4,4'-DDE

R.T.: 6.243 min
Delta R.T.: 0.000 min
Response: 98088772
Conc: 25.40 ng/ml



#12 4,4'-DDE

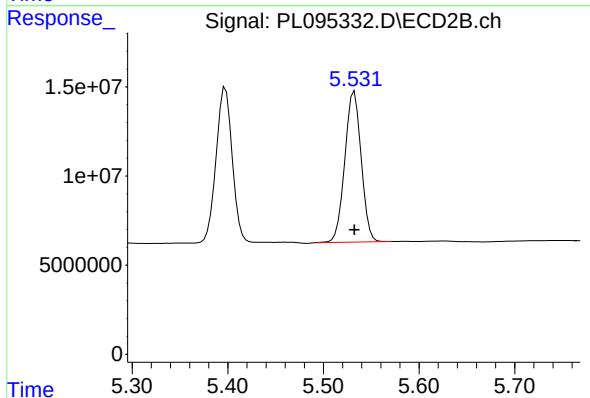
R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 102363973
Conc: 25.30 ng/ml



#13 Dieldrin

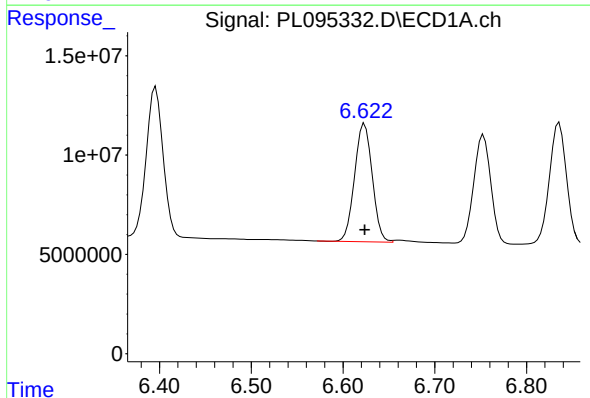
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 96281168
Conc: 25.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



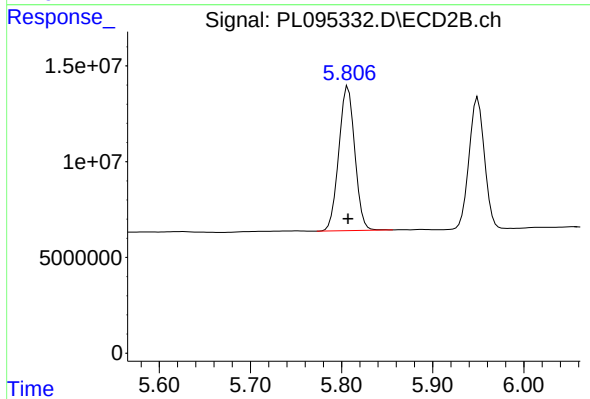
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 101218085
Conc: 25.19 ng/ml



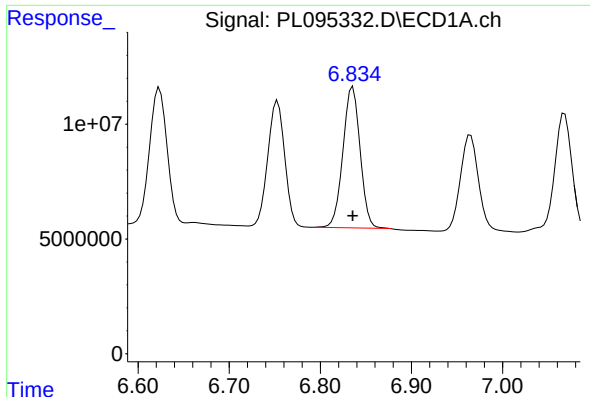
#14 Endrin

R.T.: 6.624 min
Delta R.T.: 0.000 min
Response: 79734368
Conc: 25.45 ng/ml



#14 Endrin

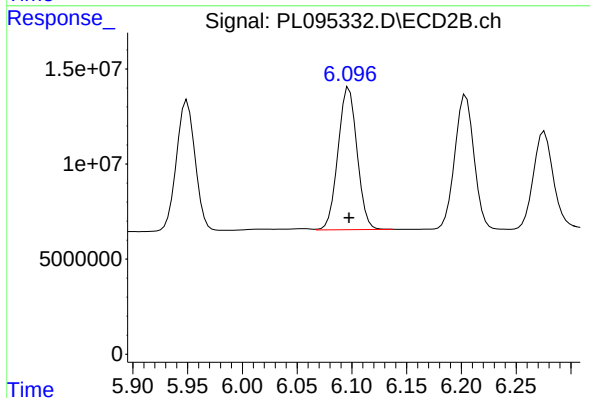
R.T.: 5.807 min
Delta R.T.: 0.000 min
Response: 91669531
Conc: 25.33 ng/ml



#15 Endosulfan II

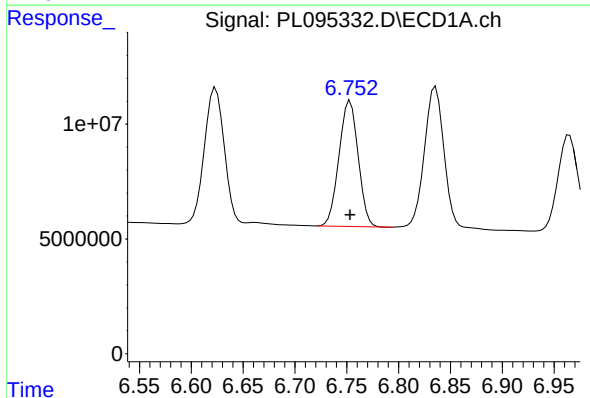
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 80317081
Conc: 25.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



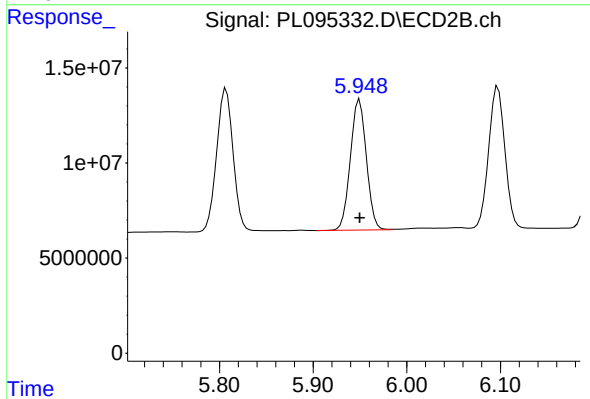
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 90454520
Conc: 25.54 ng/ml



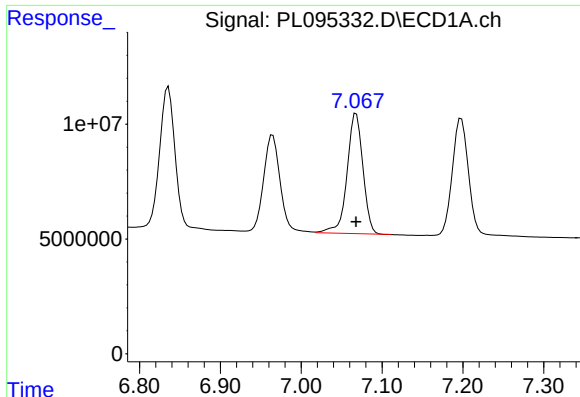
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 70509869
Conc: 25.15 ng/ml



#16 4,4'-DDD

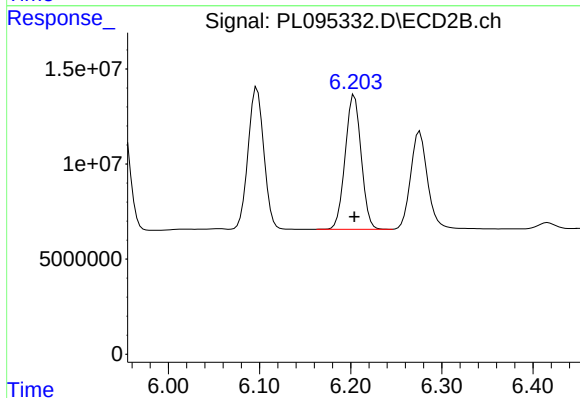
R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 81698054
Conc: 25.13 ng/ml



#17 4,4'-DDT

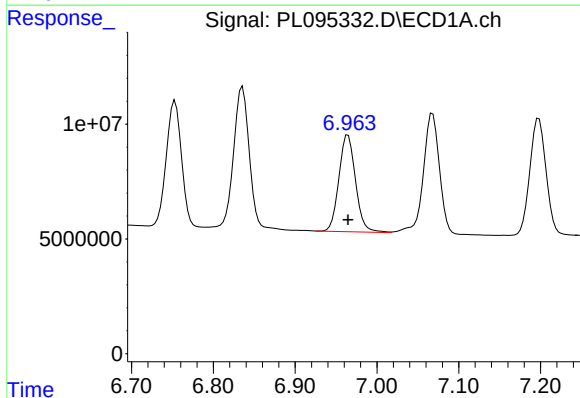
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 71529390
Conc: 25.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



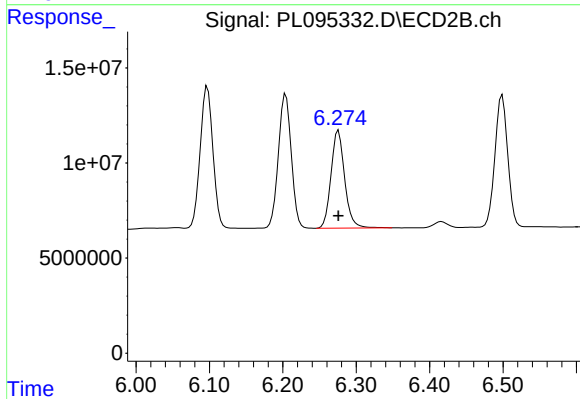
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 86031617
Conc: 25.00 ng/ml



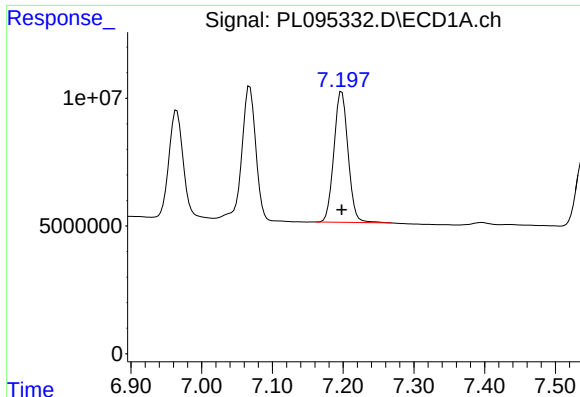
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 59366165
Conc: 26.01 ng/ml



#18 Endrin aldehyde

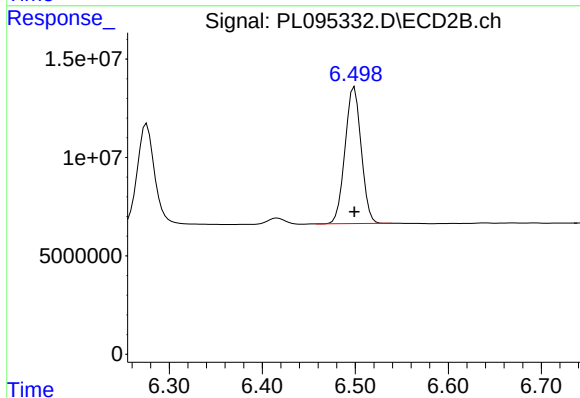
R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 66150972
Conc: 25.65 ng/ml



#19 Endosulfan Sulfate

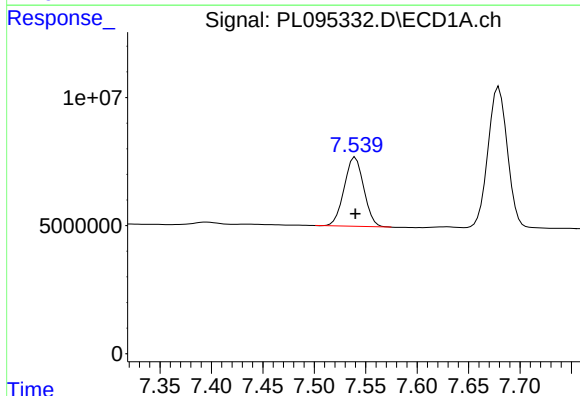
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 71073932
Conc: 25.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



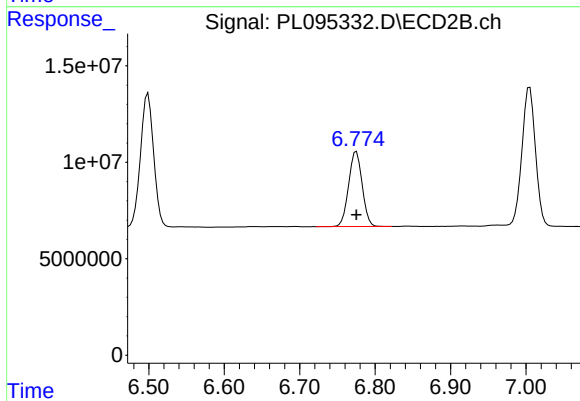
#19 Endosulfan Sulfate

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 83744169
Conc: 25.64 ng/ml



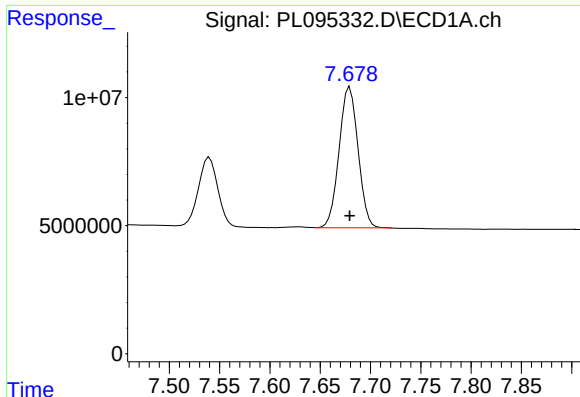
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 35648257
Conc: 26.13 ng/ml



#20 Methoxychlor

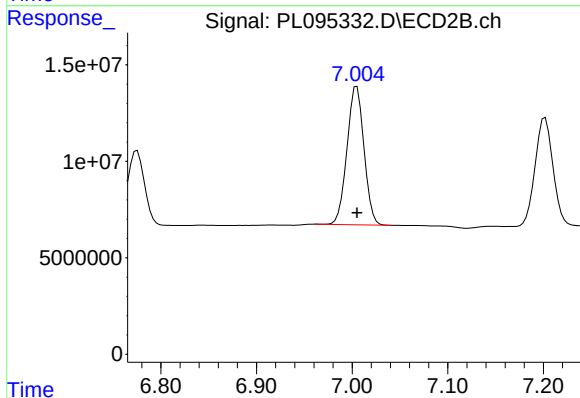
R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 48736354
Conc: 26.05 ng/ml



#21 Endrin ketone

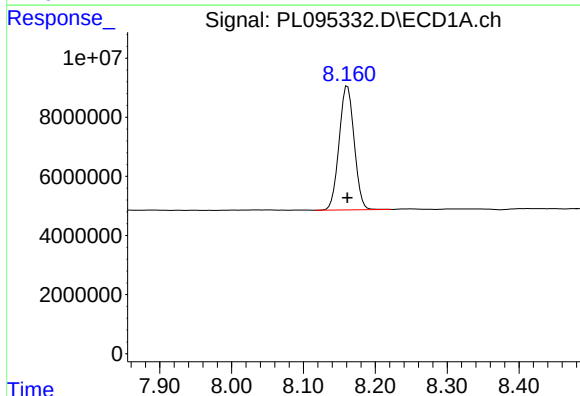
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 72029844
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



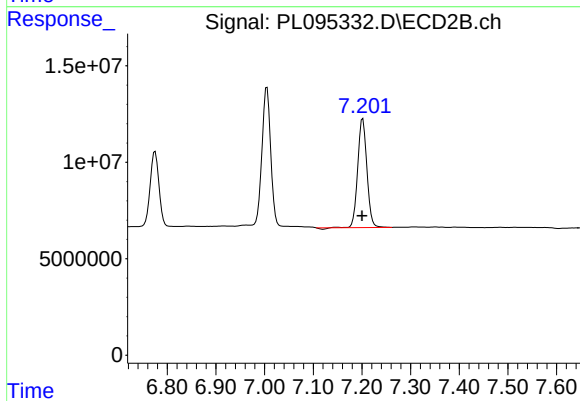
#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 88886335
Conc: 25.48 ng/ml



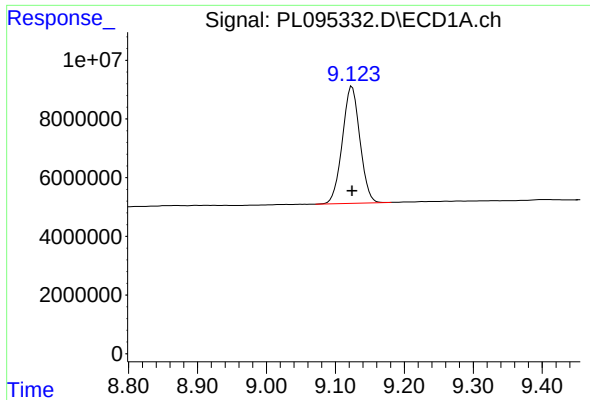
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 60846386
Conc: 26.71 ng/ml



#22 Mirex

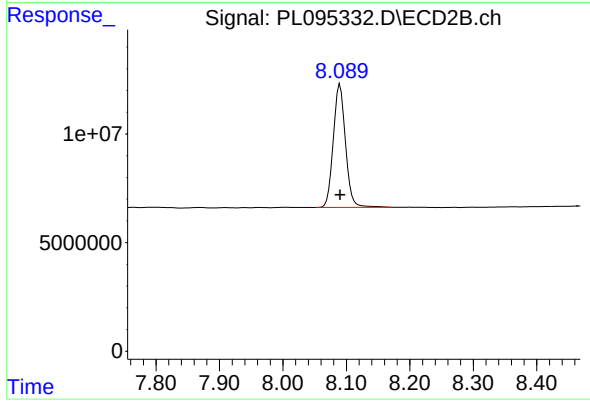
R.T.: 7.202 min
Delta R.T.: 0.001 min
Response: 74045283
Conc: 26.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 70535847
Conc: 26.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 76004301
Conc: 26.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095333.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 12:26
 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: Apr 23 12:35:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 12:35:34 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...	3.595	2.905	17226547	16774274	5.277	5.275
28) SA Decachlor...	9.124	8.089	15494795	15593893	5.592	5.270
Target Compounds						
2) A alpha-BHC	4.046	3.415	24630161	21718521	4.972	4.882
3) MA gamma-BHC...	4.378	3.749	24047920	21843021	5.080	4.966
4) MA Heptachlor	4.976	4.104	24089854	22426031	5.266	5.147
5) MB Aldrin	5.317	4.389	23939616	20545826	5.212	4.992
6) B beta-BHC	4.564	4.043	11239021	11256224	5.436	5.422
7) B delta-BHC	4.812	4.280	24459248	21692758	5.259	4.950
8) B Heptachlo...	5.739	4.893	21350448	20141703	5.331	5.214
9) A Endosulfan I	6.122	5.266	20308048	18652835	5.348	5.096
10) B gamma-Chl...	5.993	5.146	21145113	21190077	5.183	5.229
11) B alpha-Chl...	6.074	5.210	21268601	20714715	5.231	5.203
12) B 4,4'-DDE	6.242	5.397	20770904	20747185	5.298	5.101
13) MA Dieldrin	6.396	5.532	19971571	21318751	5.181	5.242
14) MA Endrin	6.622	5.806	16946885	18649649	5.321	5.123
15) B Endosulfa...	6.835	6.097	17567027	18938000	5.503	5.274
16) A 4,4'-DDD	6.753	5.949	14708945	16655803	5.196	5.099
17) MA 4,4'-DDT	7.068	6.204	14262305	17073765	5.007	4.969
18) B Endrin al...	6.964	6.275	12367450	13751187	5.329	5.262
19) B Endosulfa...	7.198	6.498	15108097	17635344	5.392	5.315
20) A Methoxychlor	7.540	6.774	7589024	10262527	5.440	5.380
21) B Endrin ke...	7.679	7.004	15300793	18268527	5.367	5.188
22) Mirex	8.161	7.202	13844446	15277297	5.827	5.304

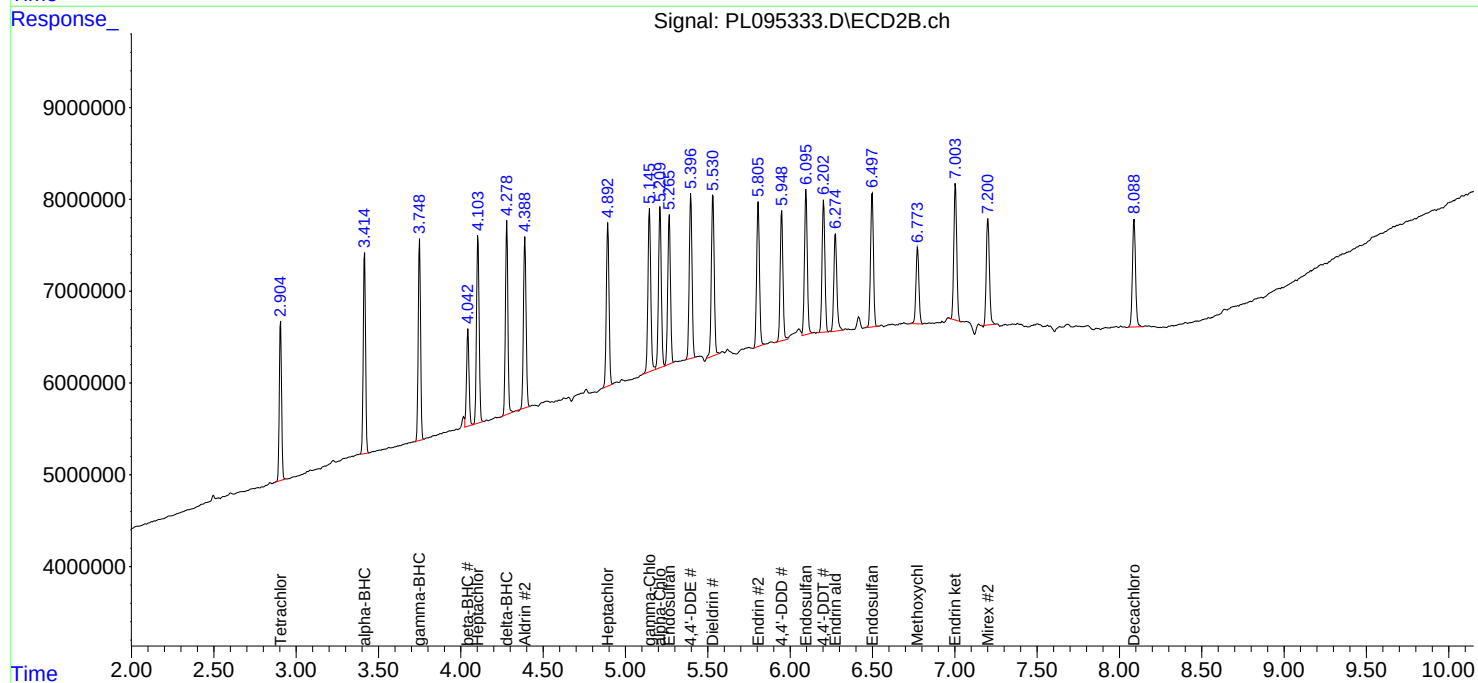
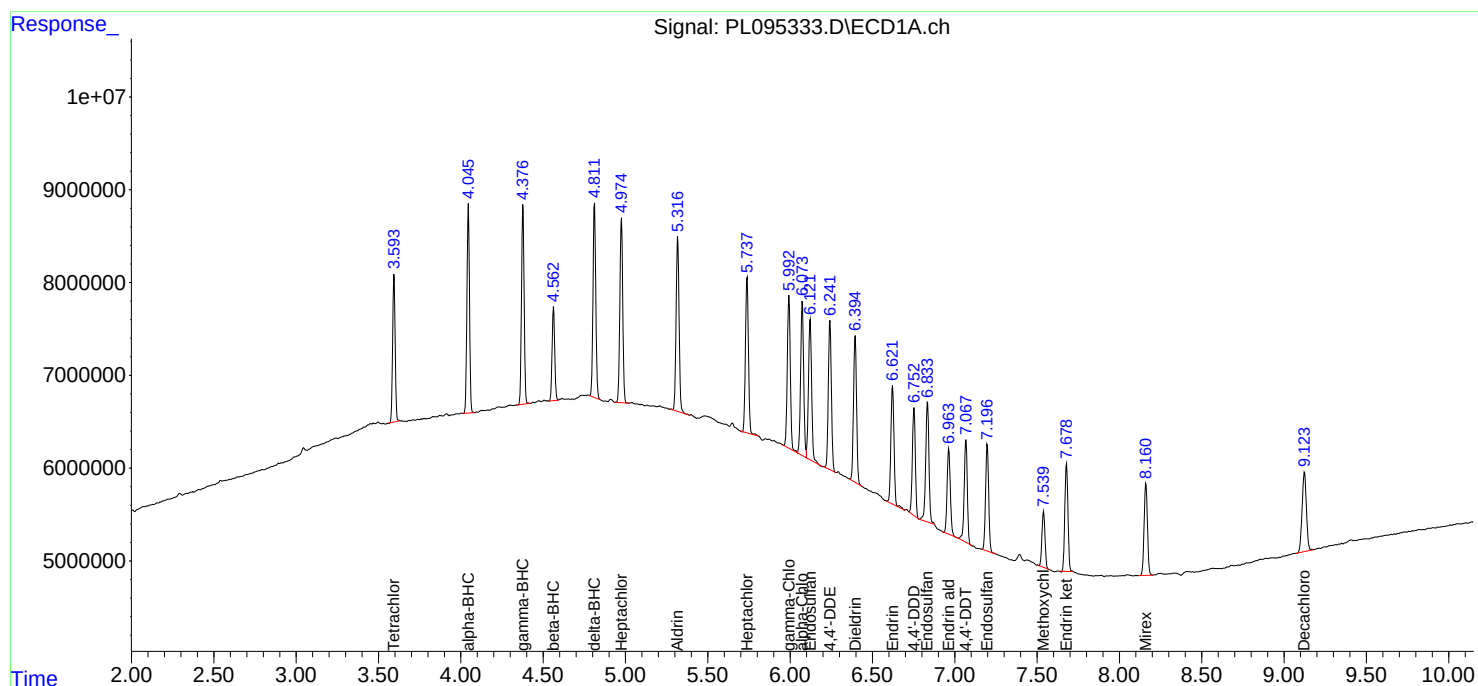
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

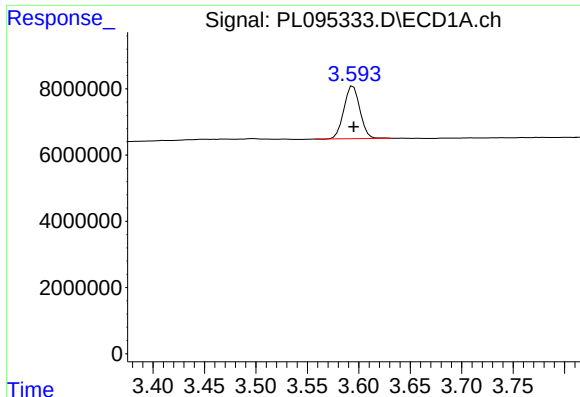
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 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

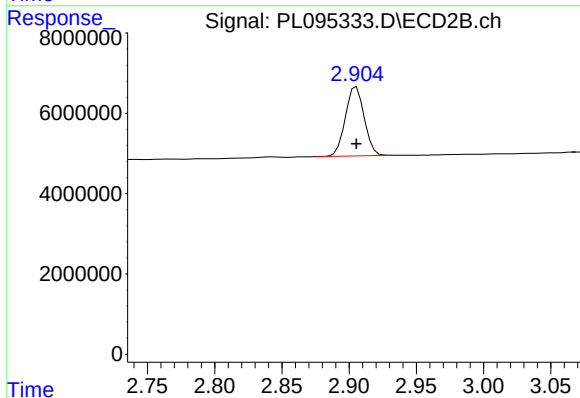




#1 Tetrachloro-m-xylene

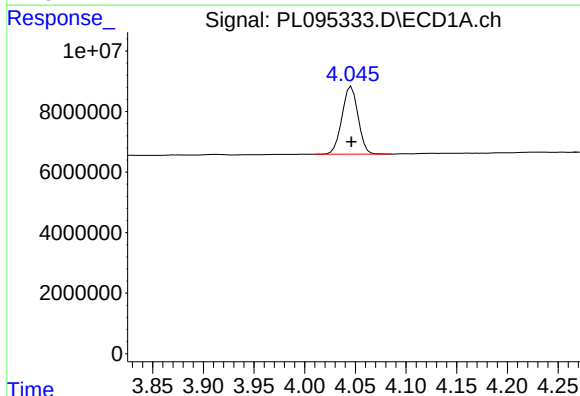
R.T.: 3.595 min
Delta R.T.: 0.000 min
Response: 17226547
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



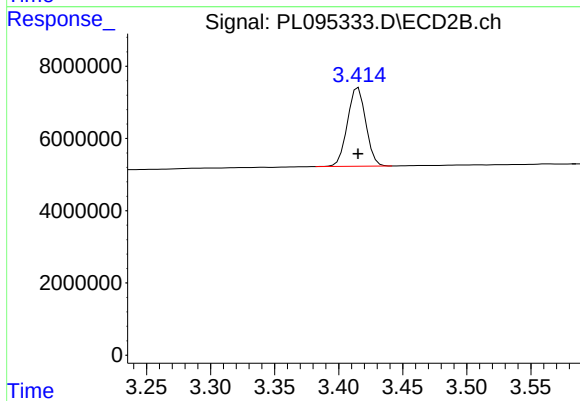
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 16774274
Conc: 5.28 ng/ml



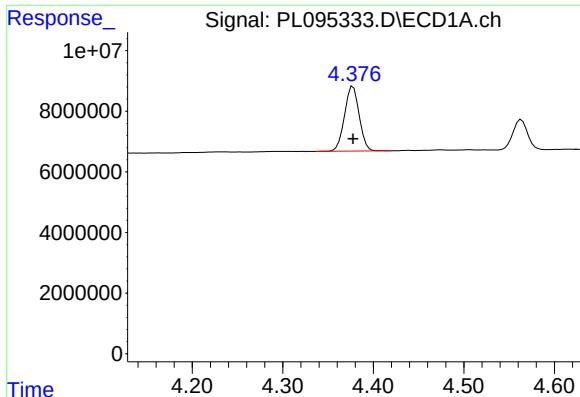
#2 alpha-BHC

R.T.: 4.046 min
Delta R.T.: 0.000 min
Response: 24630161
Conc: 4.97 ng/ml



#2 alpha-BHC

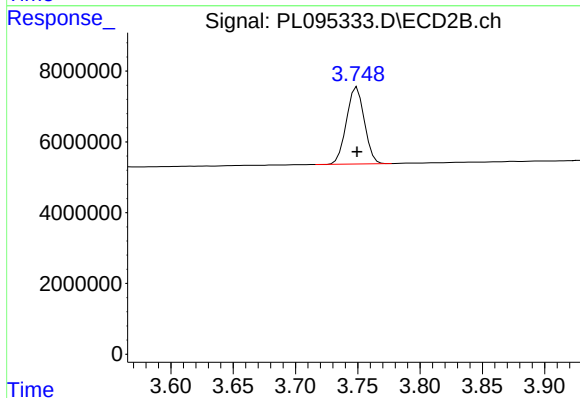
R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 21718521
Conc: 4.88 ng/ml



#3 gamma-BHC (Lindane)

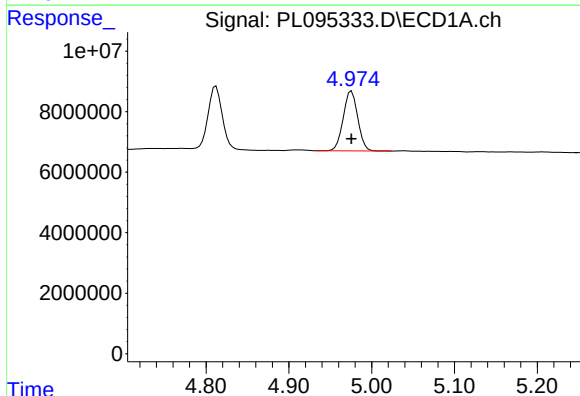
R.T.: 4.378 min
Delta R.T.: 0.000 min
Response: 24047920
Conc: 5.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



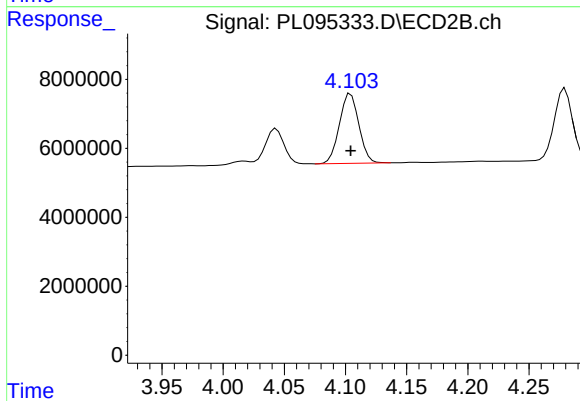
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 21843021
Conc: 4.97 ng/ml



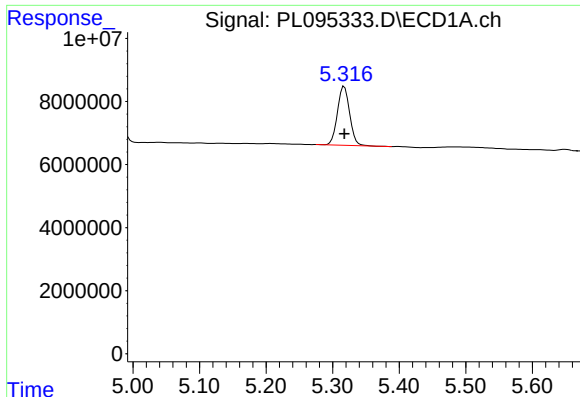
#4 Heptachlor

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 24089854
Conc: 5.27 ng/ml



#4 Heptachlor

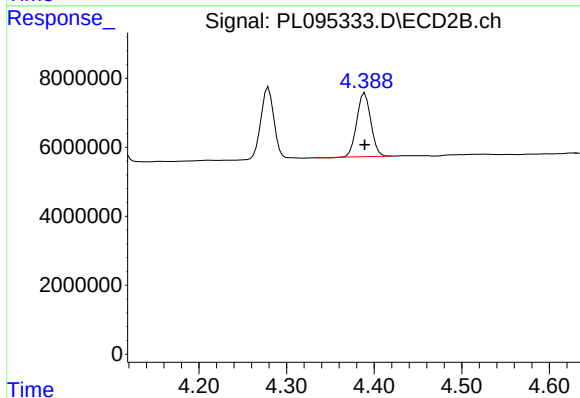
R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 22426031
Conc: 5.15 ng/ml



#5 Aldrin

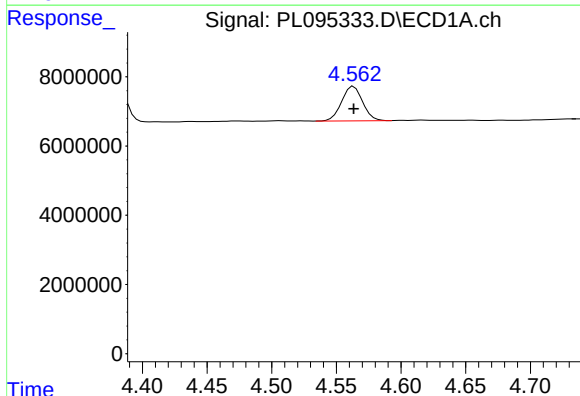
R.T.: 5.317 min
Delta R.T.: 0.000 min
Response: 23939616
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



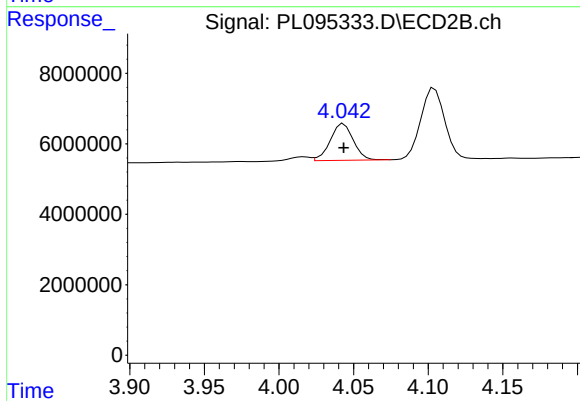
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 20545826
Conc: 4.99 ng/ml



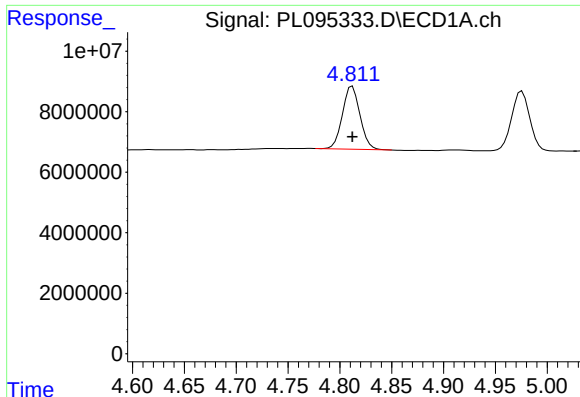
#6 beta-BHC

R.T.: 4.564 min
Delta R.T.: 0.000 min
Response: 11239021
Conc: 5.44 ng/ml



#6 beta-BHC

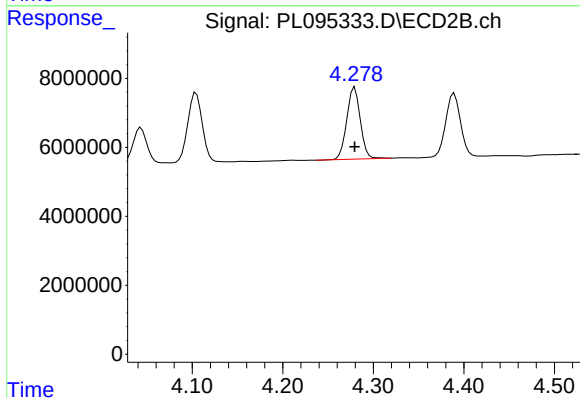
R.T.: 4.043 min
Delta R.T.: 0.000 min
Response: 11256224
Conc: 5.42 ng/ml



#7 delta-BHC

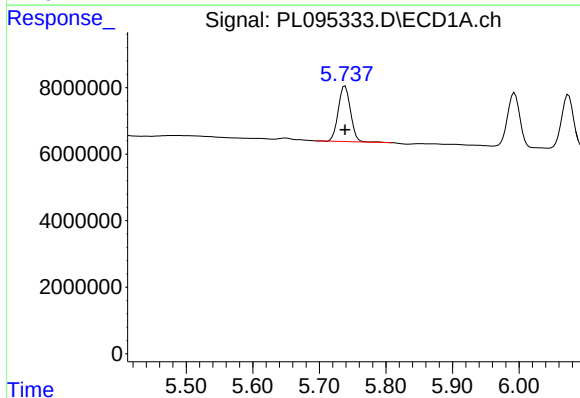
R.T.: 4.812 min
Delta R.T.: 0.000 min
Response: 24459248
Conc: 5.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



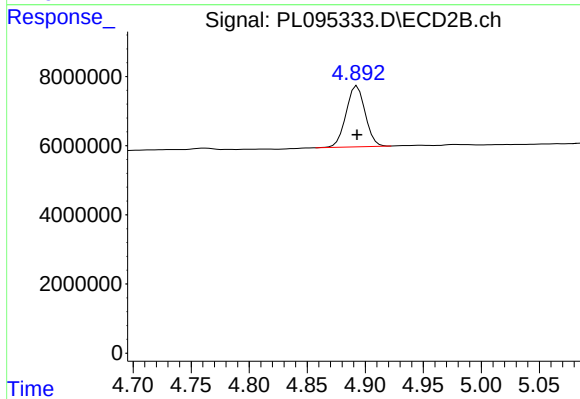
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 21692758
Conc: 4.95 ng/ml



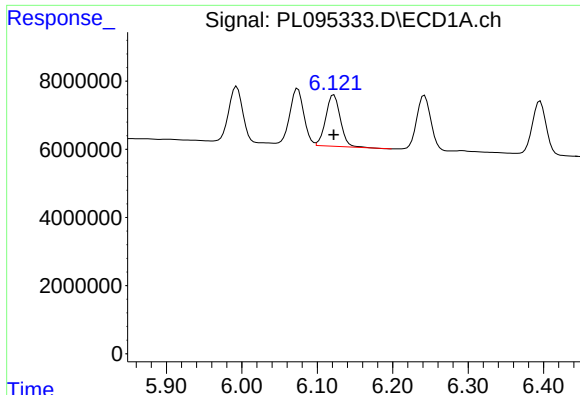
#8 Heptachlor epoxide

R.T.: 5.739 min
Delta R.T.: 0.000 min
Response: 21350448
Conc: 5.33 ng/ml



#8 Heptachlor epoxide

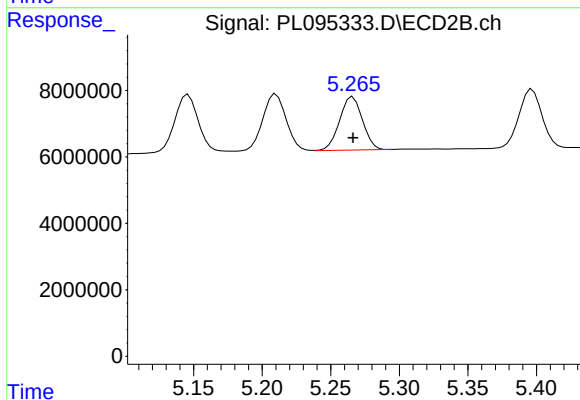
R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 20141703
Conc: 5.21 ng/ml



#9 Endosulfan I

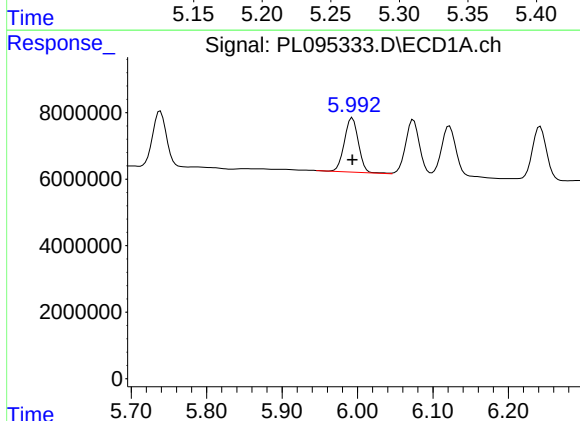
R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 20308048
Conc: 5.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



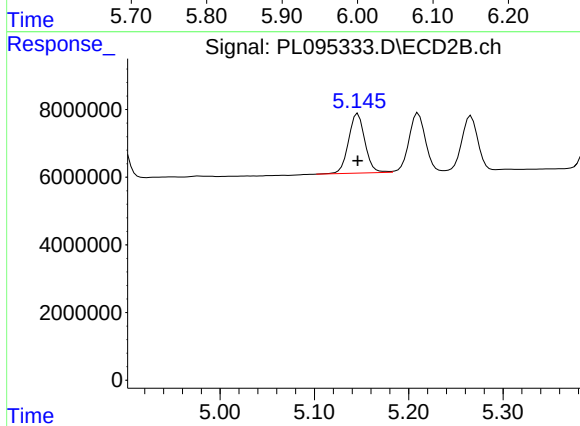
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 18652835
Conc: 5.10 ng/ml



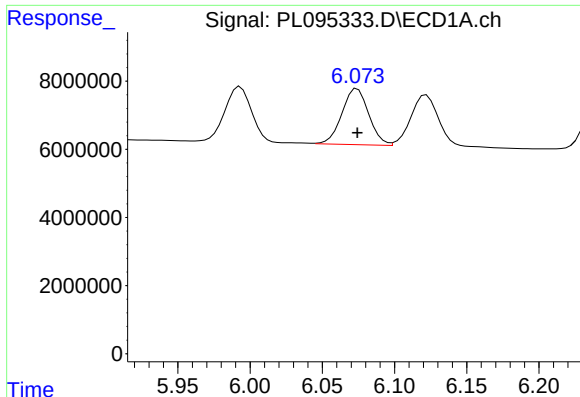
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 21145113
Conc: 5.18 ng/ml



#10 gamma-Chlordane

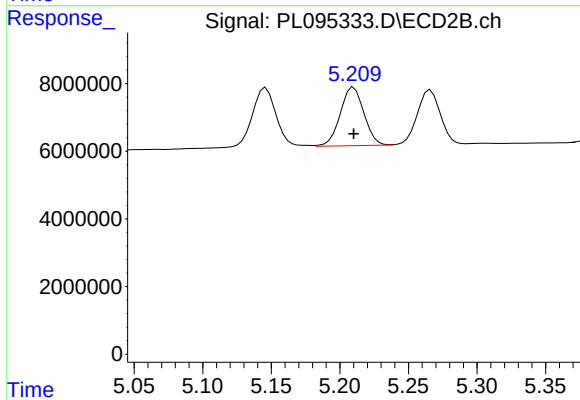
R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 21190077
Conc: 5.23 ng/ml



#11 alpha-Chlordane

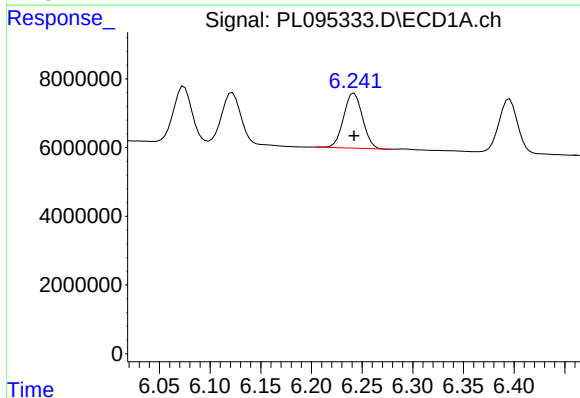
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 21268601
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



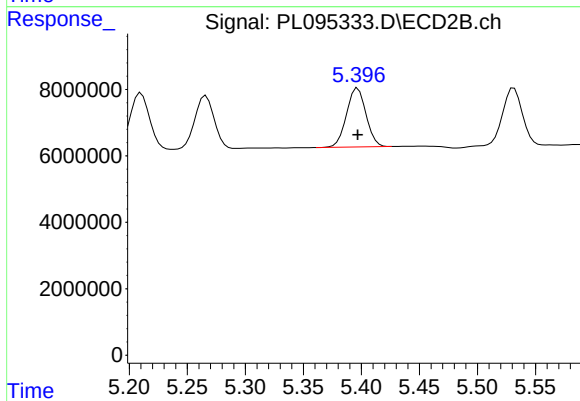
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 20714715
Conc: 5.20 ng/ml



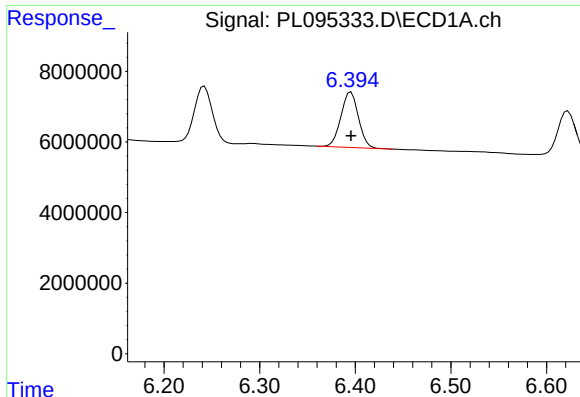
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.000 min
Response: 20770904
Conc: 5.30 ng/ml



#12 4,4'-DDE

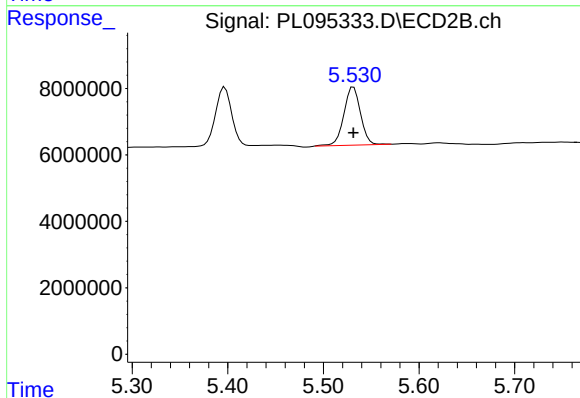
R.T.: 5.397 min
Delta R.T.: 0.000 min
Response: 20747185
Conc: 5.10 ng/ml



#13 Dieldrin

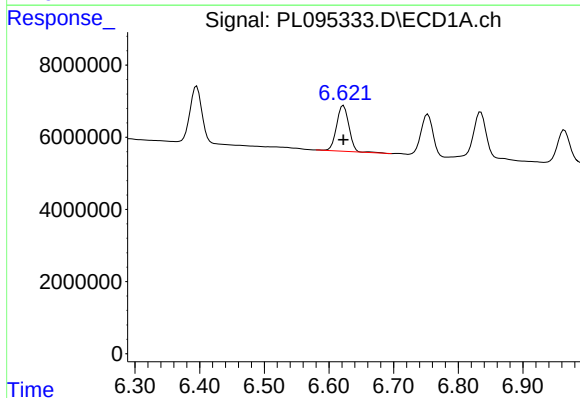
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 19971571
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



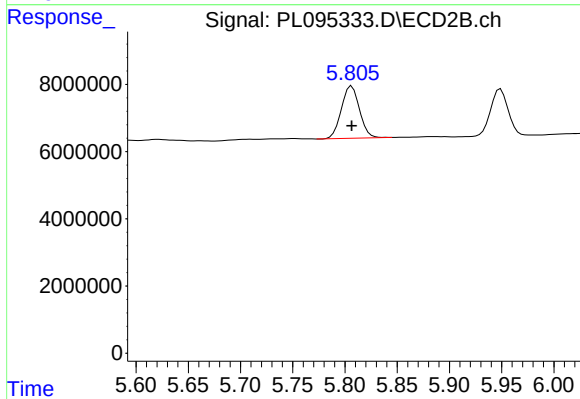
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.000 min
Response: 21318751
Conc: 5.24 ng/ml



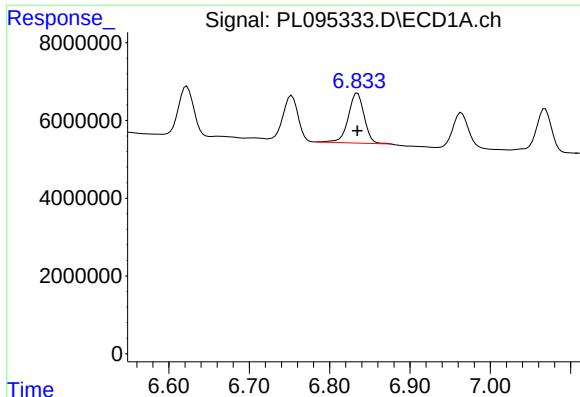
#14 Endrin

R.T.: 6.622 min
Delta R.T.: 0.000 min
Response: 16946885
Conc: 5.32 ng/ml



#14 Endrin

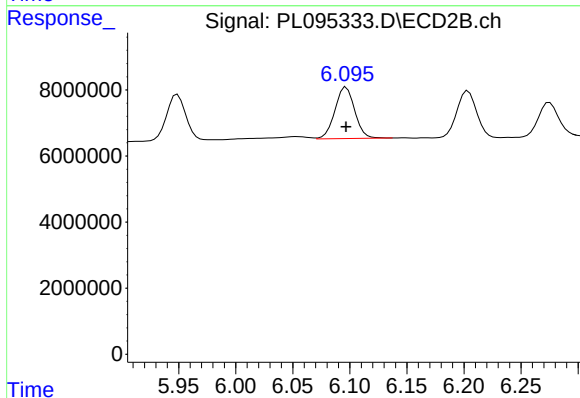
R.T.: 5.806 min
Delta R.T.: 0.000 min
Response: 18649649
Conc: 5.12 ng/ml



#15 Endosulfan II

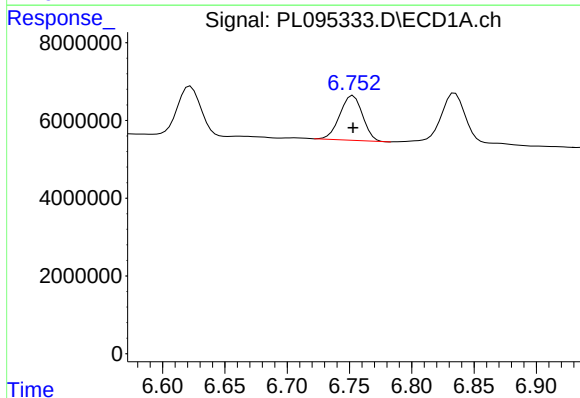
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 17567027
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



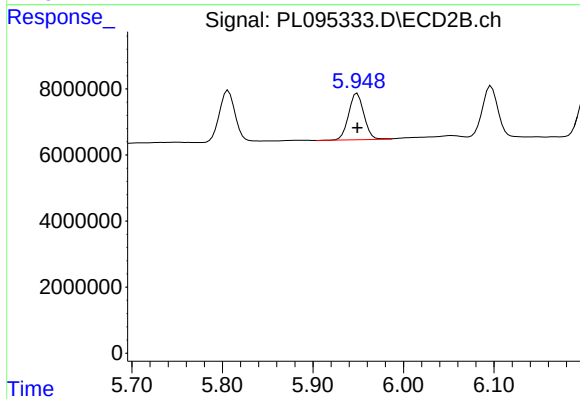
#15 Endosulfan II

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 18938000
Conc: 5.27 ng/ml



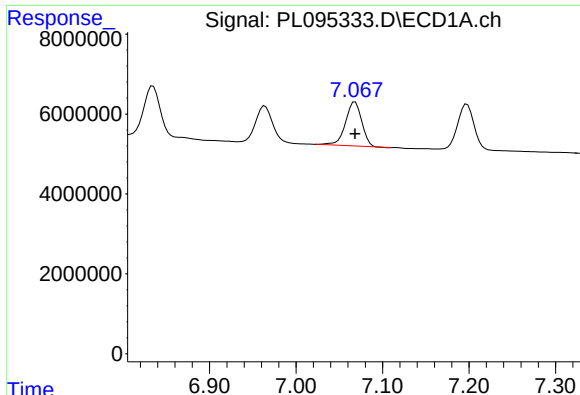
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 14708945
Conc: 5.20 ng/ml



#16 4,4'-DDD

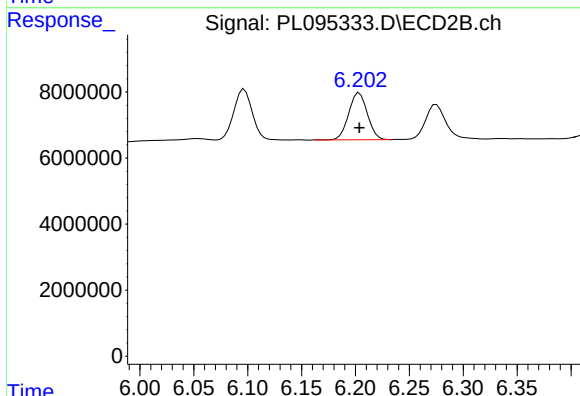
R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 16655803
Conc: 5.10 ng/ml



#17 4,4'-DDT

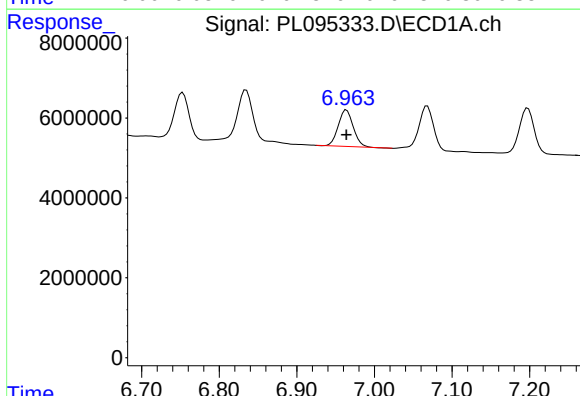
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 14262305
Conc: 5.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



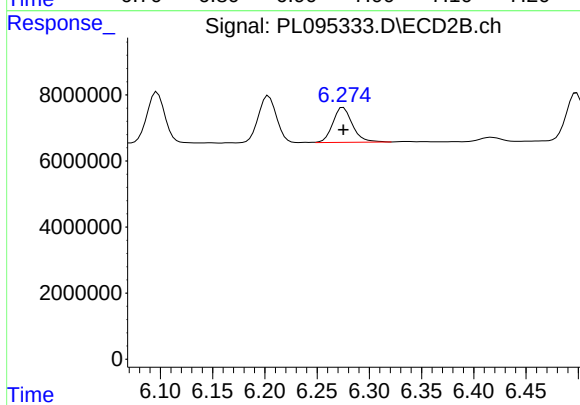
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 17073765
Conc: 4.97 ng/ml



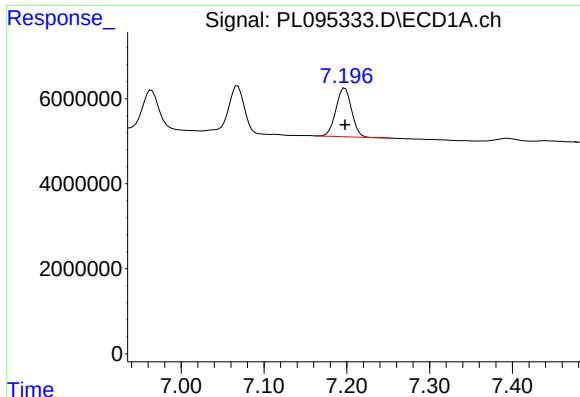
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 12367450
Conc: 5.33 ng/ml



#18 Endrin aldehyde

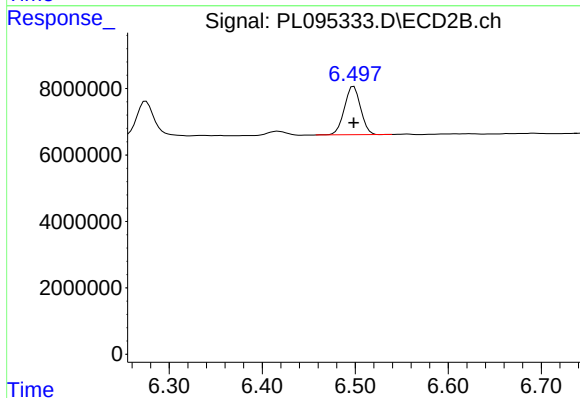
R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 13751187
Conc: 5.26 ng/ml



#19 Endosulfan Sulfate

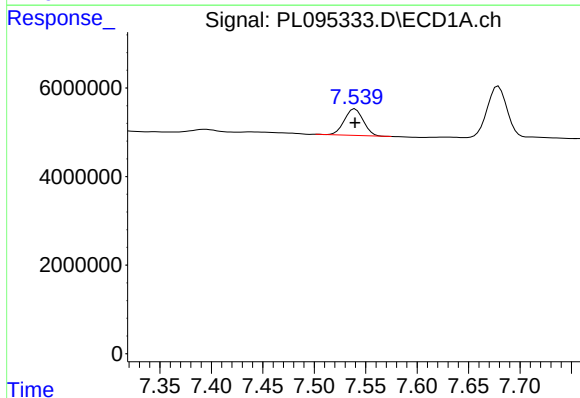
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 15108097
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



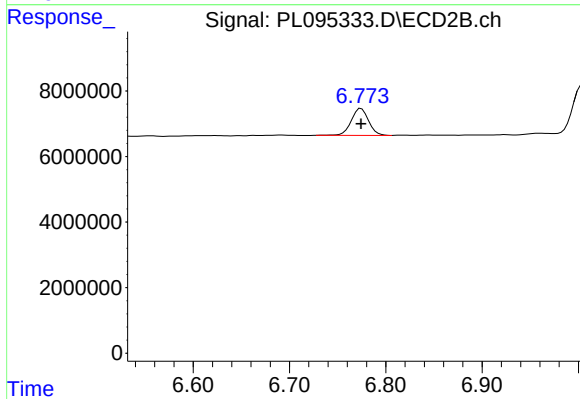
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 17635344
Conc: 5.32 ng/ml



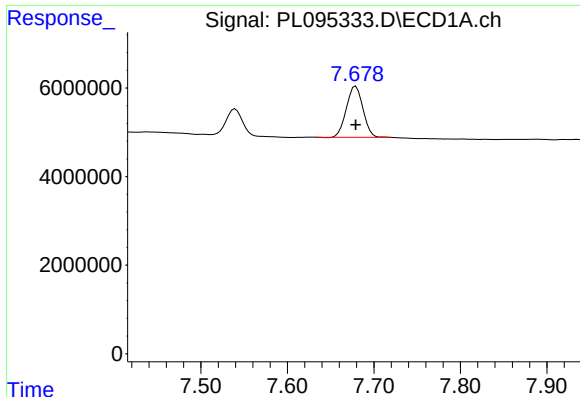
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.000 min
Response: 7589024
Conc: 5.44 ng/ml



#20 Methoxychlor

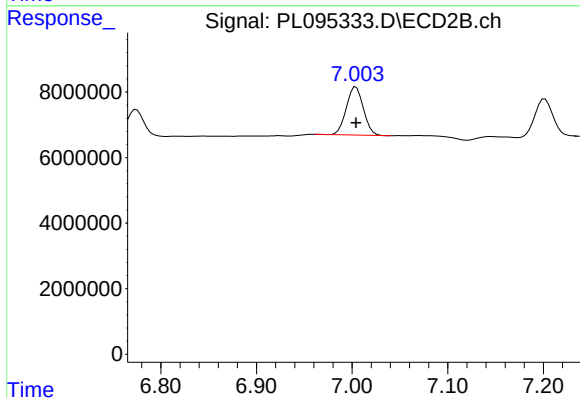
R.T.: 6.774 min
Delta R.T.: 0.000 min
Response: 10262527
Conc: 5.38 ng/ml



#21 Endrin ketone

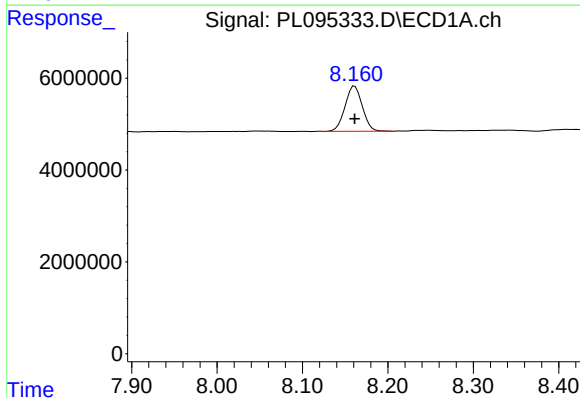
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 15300793
Conc: 5.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



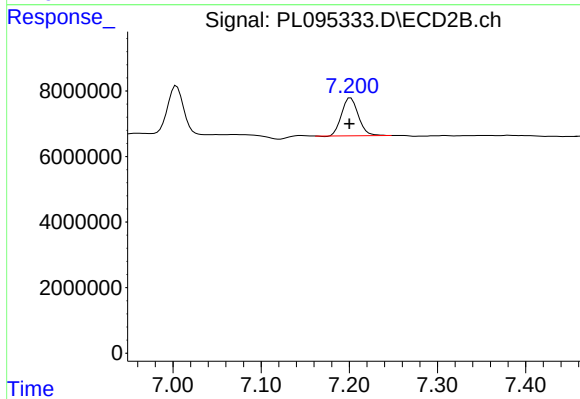
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 18268527
Conc: 5.19 ng/ml



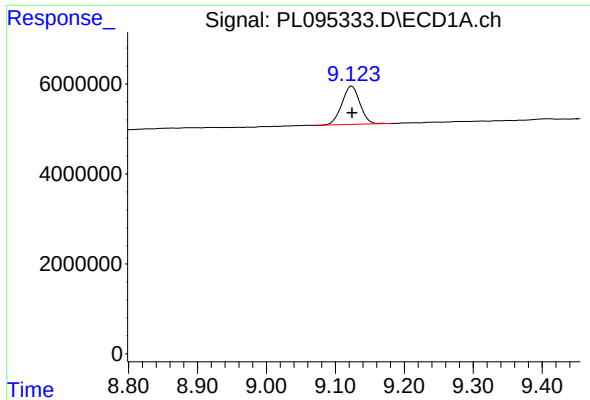
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.000 min
Response: 13844446
Conc: 5.83 ng/ml



#22 Mirex

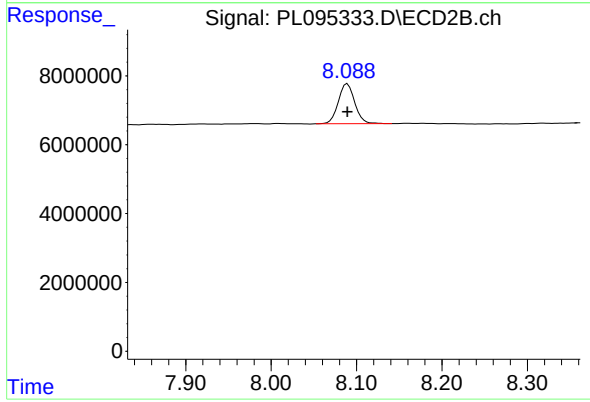
R.T.: 7.202 min
Delta R.T.: 0.001 min
Response: 15277297
Conc: 5.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.000 min
Response: 15494795
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 15593893
Conc: 5.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
 Data File : PL095344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 15:13
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL042325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 15:28:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 14:07:39 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...	3.594	2.905	154.4E6	154.0E6	47.297	48.427
28)	SA Decachlor...	9.120	8.087	130.3E6	142.7E6	47.035	48.231
Target Compounds							
2)	A alpha-BHC	4.045	3.415	235.8E6	218.0E6	47.593	49.009
3)	MA gamma-BHC...	4.376	3.748	234.0E6	214.4E6	49.440	48.752
4)	MA Heptachlor	4.974	4.103	213.7E6	210.0E6	46.727	48.192
5)	MB Aldrin	5.316	4.388	220.0E6	199.9E6	47.889	48.581
6)	B beta-BHC	4.562	4.042	94308785	98829555	45.614	47.609
7)	B delta-BHC	0.000	4.278	0	214.8E6	N.D.	49.029 #
8)	B Heptachlo...	5.737	4.891	190.5E6	186.4E6	47.572	48.260
9)	A Endosulfan I	6.120	5.264	183.5E6	176.9E6	48.325	48.341
10)	B gamma-Chl...	5.991	5.144	194.9E6	193.2E6	47.767	47.668
11)	B alpha-Chl...	6.072	5.208	197.5E6	190.6E6	48.568	47.882
12)	B 4,4'-DDE	6.241	5.394	188.3E6	193.3E6	48.037	47.532
13)	MA Dieldrin	6.394	5.529	186.0E6	193.7E6	48.243	47.616
14)	MA Endrin	6.621	5.804	154.5E6	169.0E6	48.521	46.407
15)	B Endosulfa...	6.833	6.094	157.6E6	173.0E6	49.361	48.167
16)	A 4,4'-DDD	6.751	5.947	140.1E6	158.3E6	49.490	48.446
17)	MA 4,4'-DDT	7.066	6.201	136.1E6	160.2E6	47.766	46.611
18)	B Endrin al...	6.962	6.272	111.9E6	125.2E6	48.203	47.895
19)	B Endosulfa...	7.195	6.496	134.2E6	159.2E6	47.903	47.991
20)	A Methoxychlor	7.538	6.772	65789961	87833349	47.157	46.048
21)	B Endrin ke...	7.677	7.002	138.2E6	175.4E6	48.469	49.801
22)	Mirex	8.158	7.199	113.5E6	141.8E6	47.769	49.181
24)	Chlordane-2	5.316f	0.000	220.0E6	0	1038.909	N.D. #
25)	Chlordane-3	5.991	5.144	194.9E6	193.2E6	250.163	373.937 #
26)	Chlordane-4	6.072	5.208	197.5E6	190.6E6	209.433	438.603 #
27)	Chlordane-5	0.000	6.094	0	173.0E6	N.D.	936.315 #

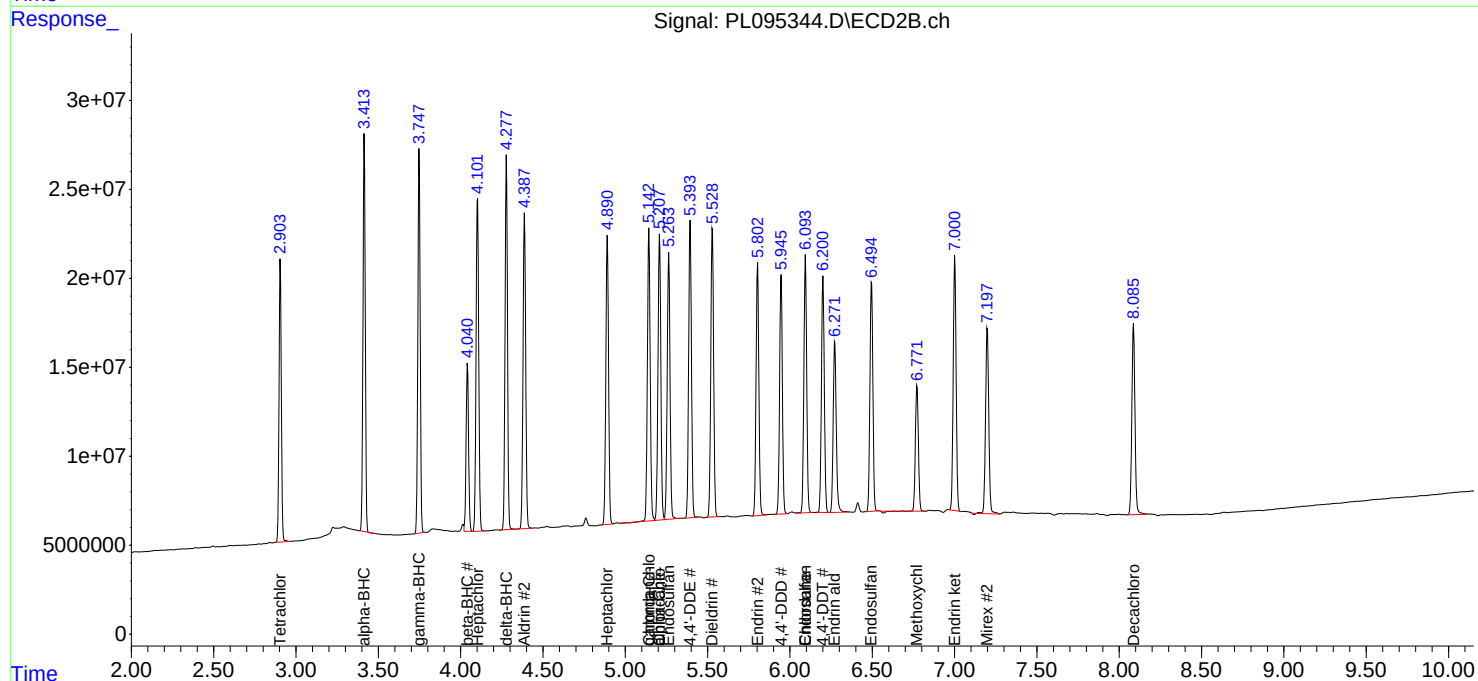
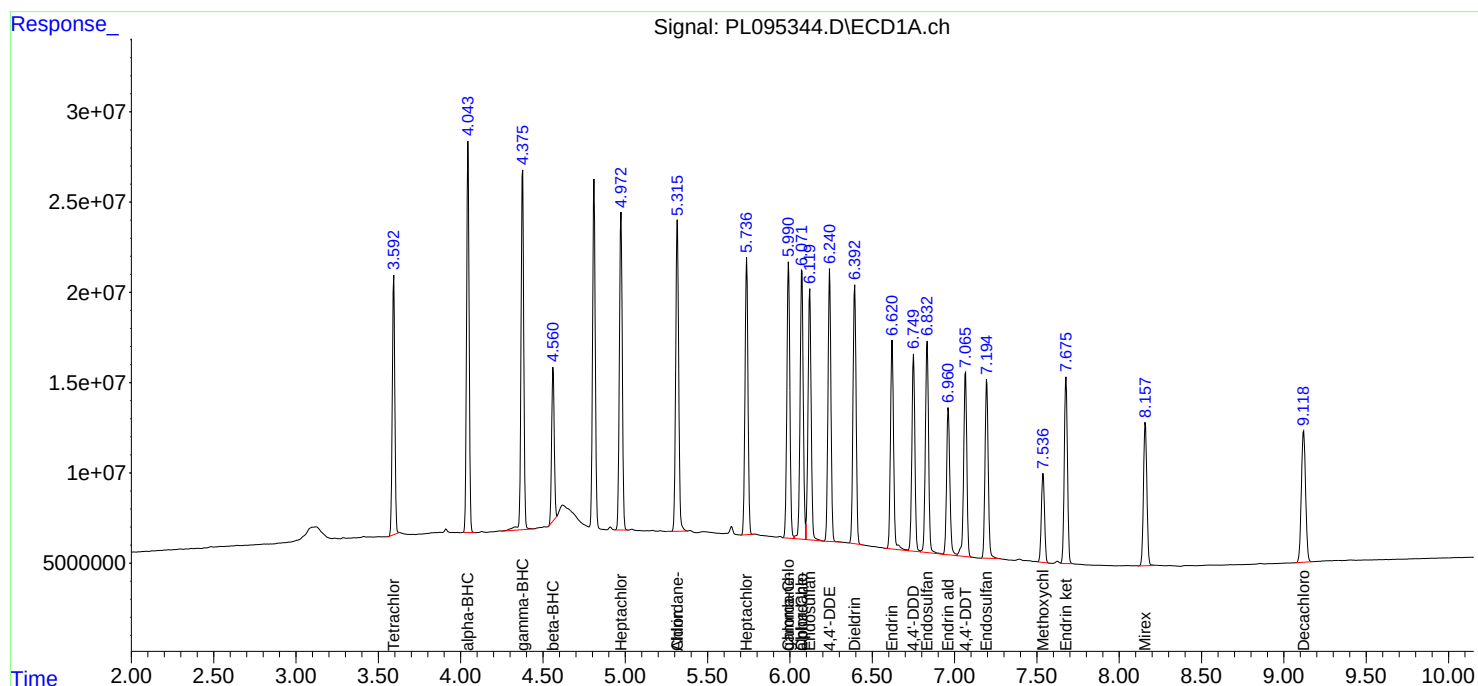
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

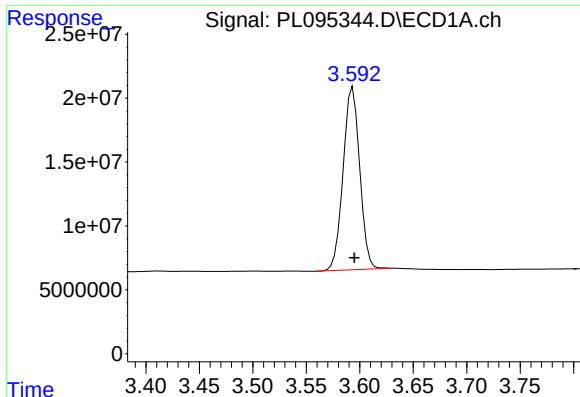
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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

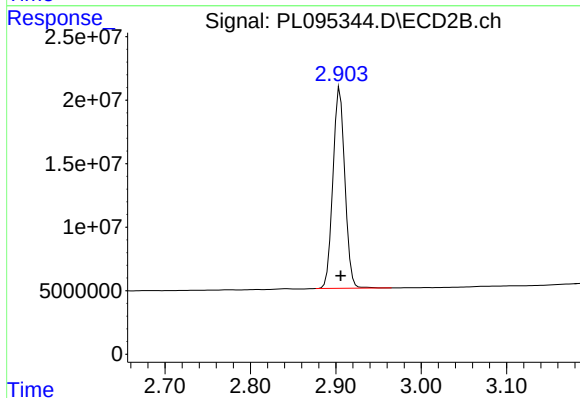




#1 Tetrachloro-m-xylene

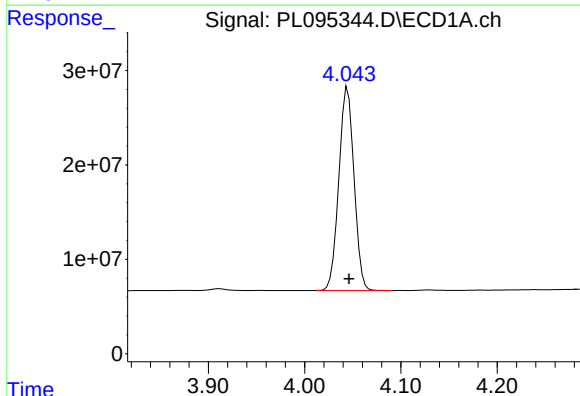
R.T.: 3.594 min
Delta R.T.: -0.001 min
Response: 154410740
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



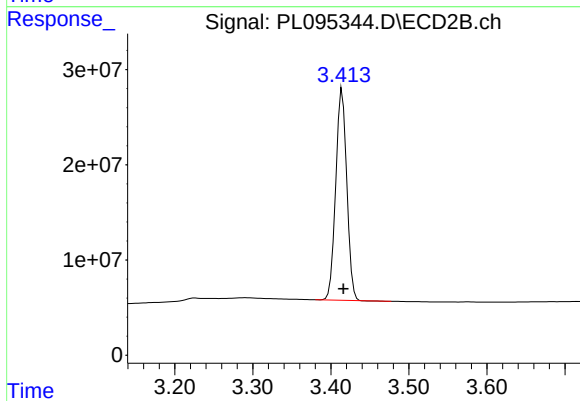
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 153984476
Conc: 48.43 ng/ml



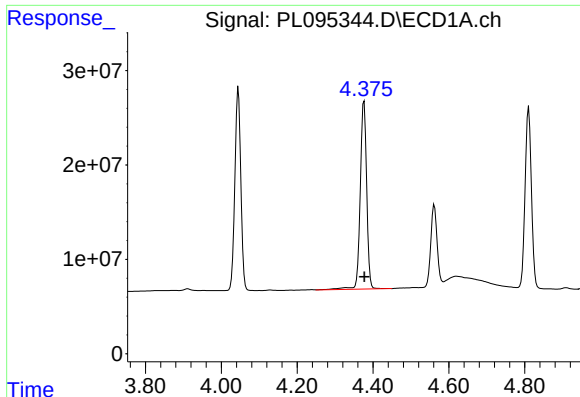
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 235765041
Conc: 47.59 ng/ml



#2 alpha-BHC

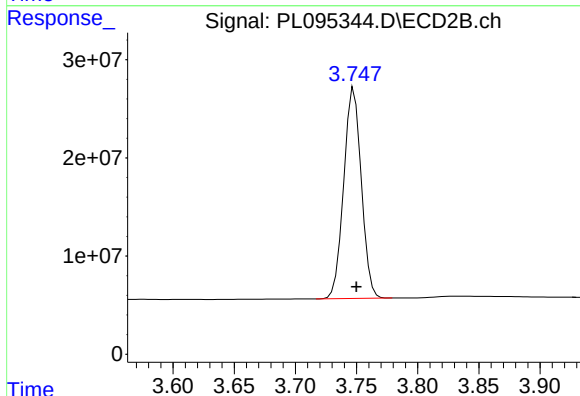
R.T.: 3.415 min
Delta R.T.: -0.002 min
Response: 218028468
Conc: 49.01 ng/ml



#3 gamma-BHC (Lindane)

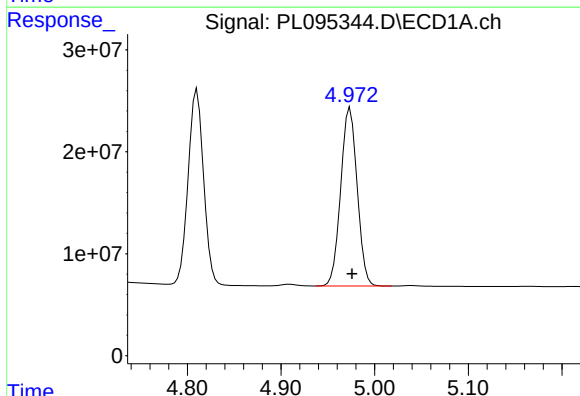
R.T.: 4.376 min
Delta R.T.: -0.001 min
Response: 234047853
Conc: 49.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



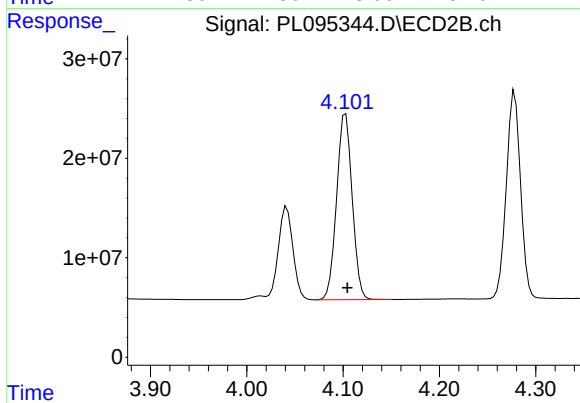
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: -0.002 min
Response: 214423481
Conc: 48.75 ng/ml



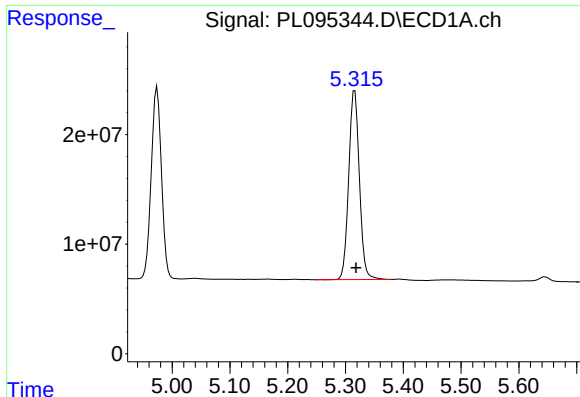
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 213749633
Conc: 46.73 ng/ml



#4 Heptachlor

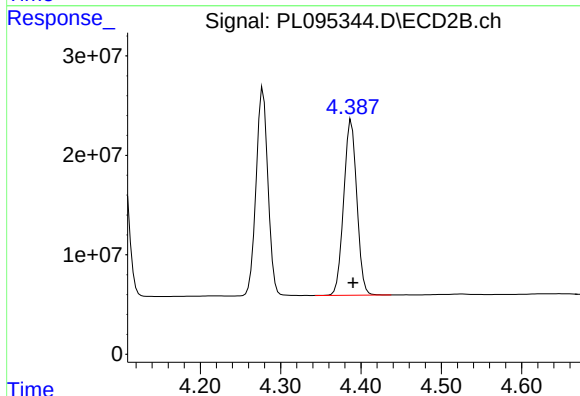
R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 209958357
Conc: 48.19 ng/ml



#5 Aldrin

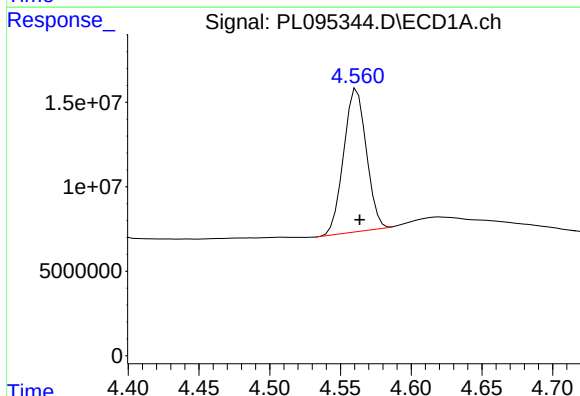
R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 219953420
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



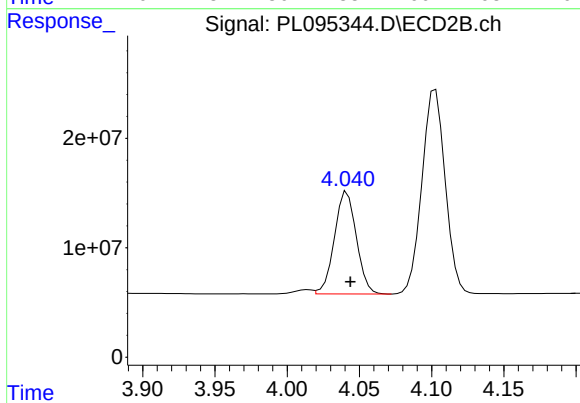
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 199944618
Conc: 48.58 ng/ml



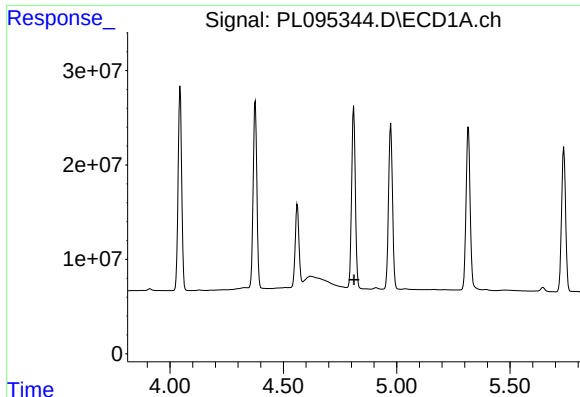
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 94308785
Conc: 45.61 ng/ml



#6 beta-BHC

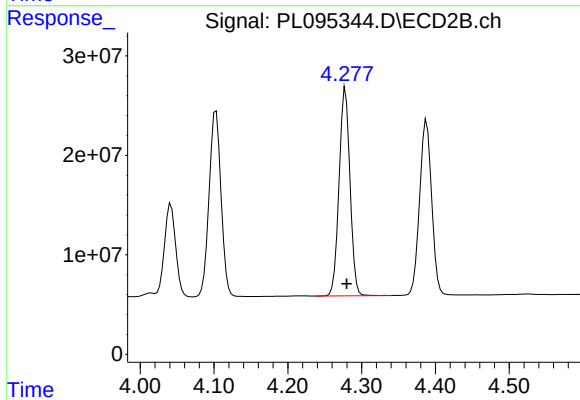
R.T.: 4.042 min
Delta R.T.: -0.002 min
Response: 98829555
Conc: 47.61 ng/ml



#7 delta-BHC

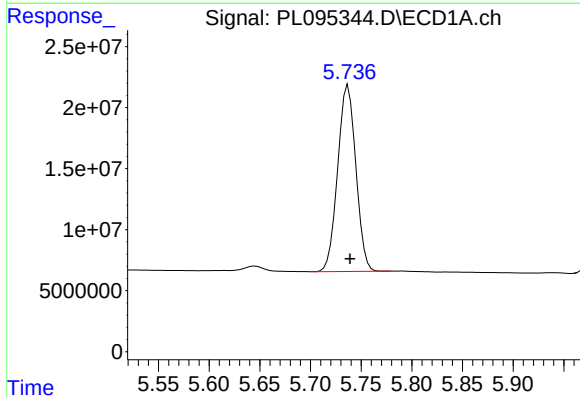
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



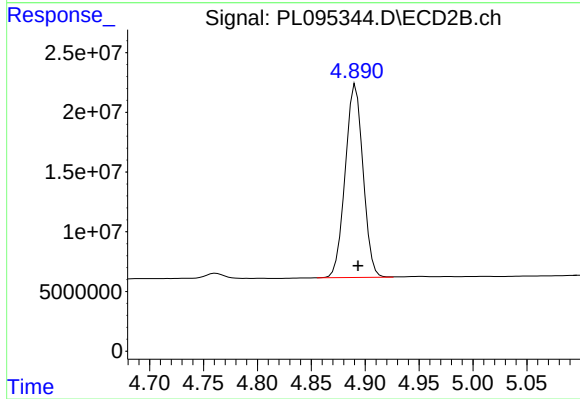
#7 delta-BHC

R.T.: 4.278 min
Delta R.T.: -0.002 min
Response: 214844463
Conc: 49.03 ng/ml



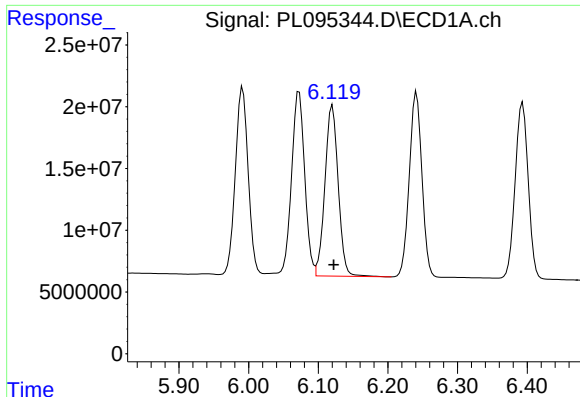
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 190534412
Conc: 47.57 ng/ml



#8 Heptachlor epoxide

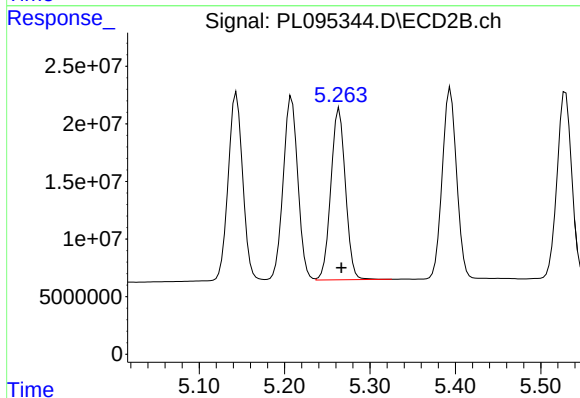
R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 186412845
Conc: 48.26 ng/ml



#9 Endosulfan I

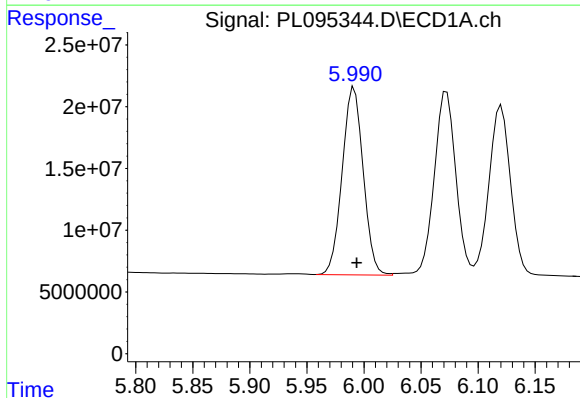
R.T.: 6.120 min
Delta R.T.: -0.002 min
Response: 183513483
Conc: 48.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



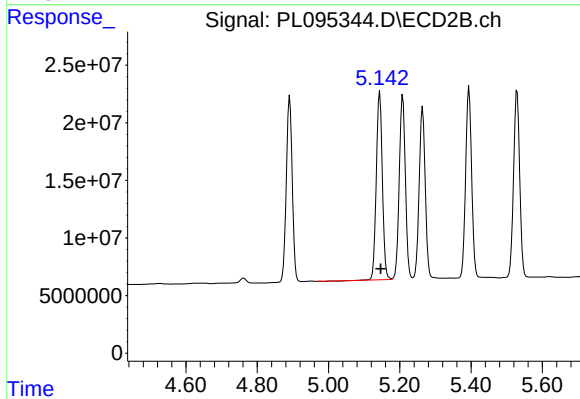
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 176948243
Conc: 48.34 ng/ml



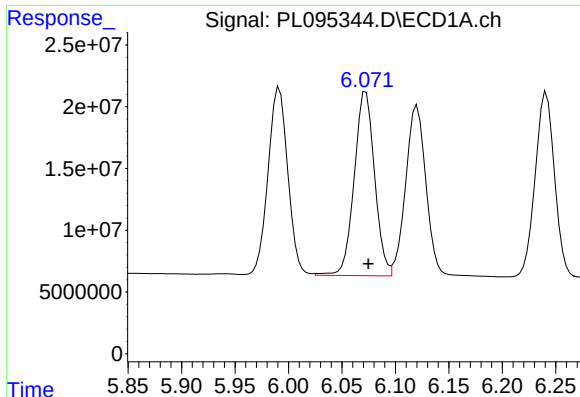
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.002 min
Response: 194858822
Conc: 47.77 ng/ml



#10 gamma-Chlordane

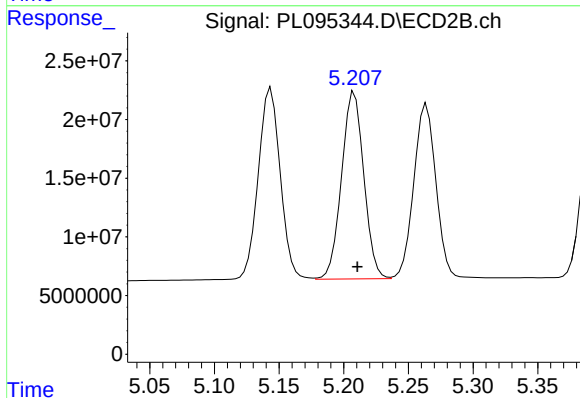
R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 193183867
Conc: 47.67 ng/ml



#11 alpha-Chlordane

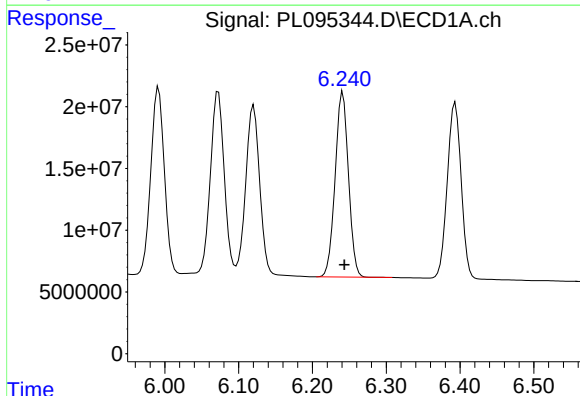
R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 197480130
Conc: 48.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



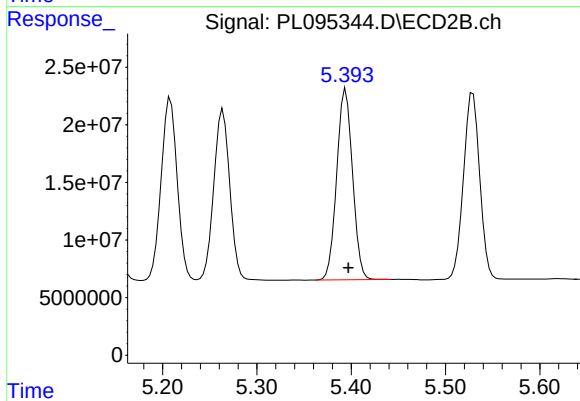
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 190622092
Conc: 47.88 ng/ml



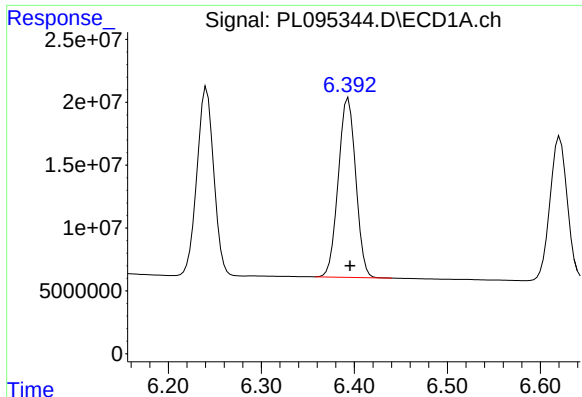
#12 4,4'-DDE

R.T.: 6.241 min
Delta R.T.: -0.002 min
Response: 188330868
Conc: 48.04 ng/ml



#12 4,4'-DDE

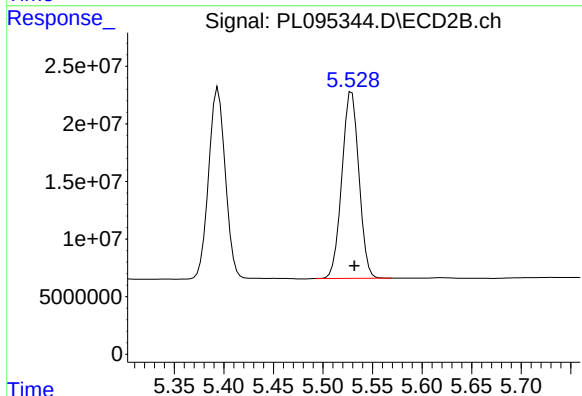
R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 193310380
Conc: 47.53 ng/ml



#13 Dieldrin

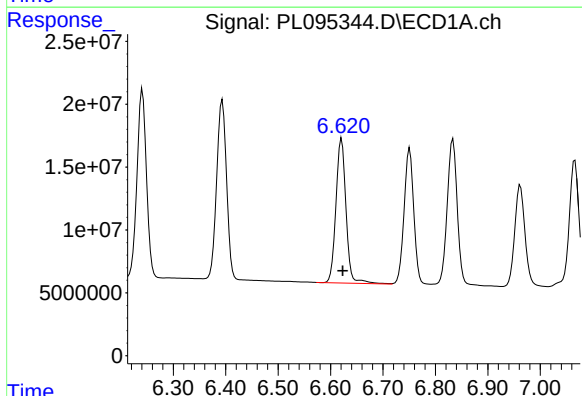
R.T.: 6.394 min
Delta R.T.: -0.002 min
Response: 185966480
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



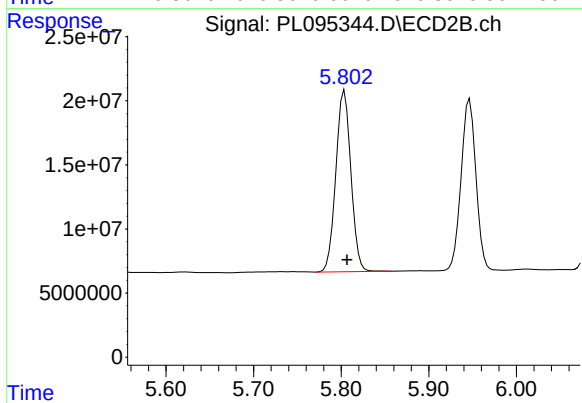
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 193657038
Conc: 47.62 ng/ml



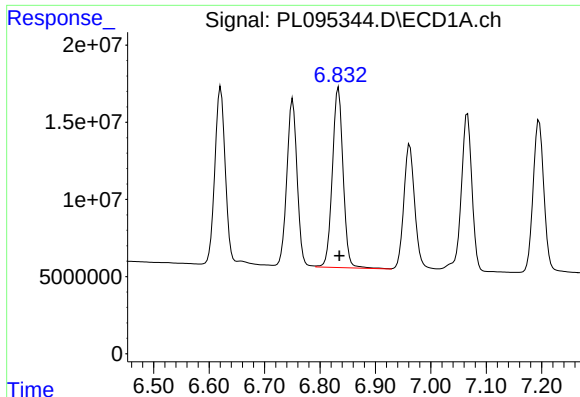
#14 Endrin

R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 154528451
Conc: 48.52 ng/ml



#14 Endrin

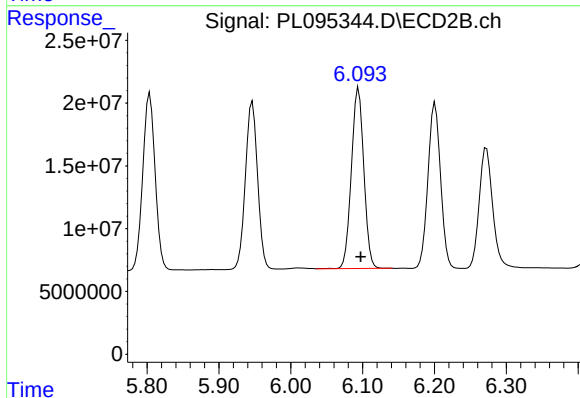
R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 168955840
Conc: 46.41 ng/ml



#15 Endosulfan II

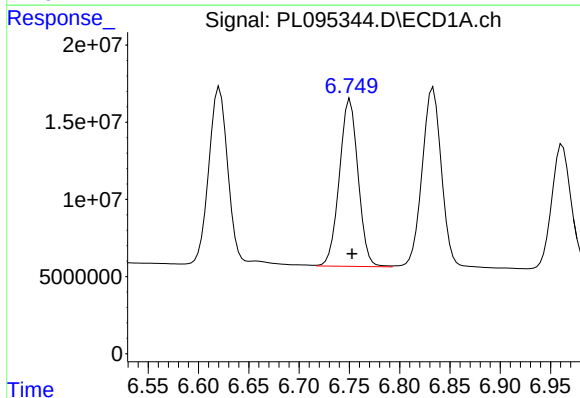
R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 157567449
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



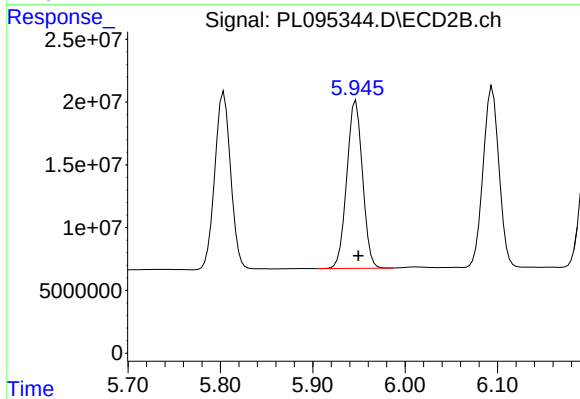
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 172973782
Conc: 48.17 ng/ml



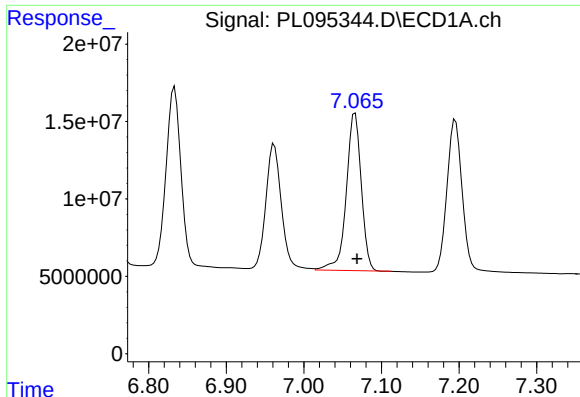
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 140103814
Conc: 49.49 ng/ml



#16 4,4'-DDD

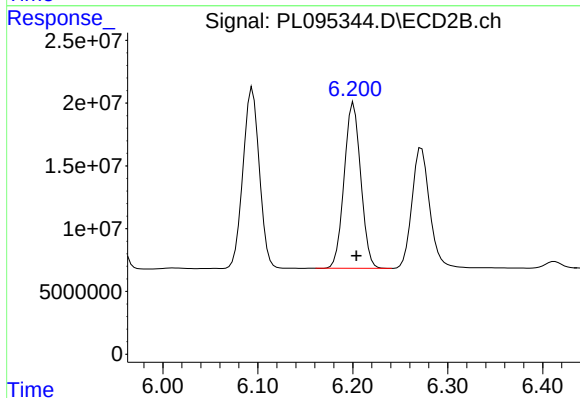
R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 158264661
Conc: 48.45 ng/ml



#17 4,4'-DDT

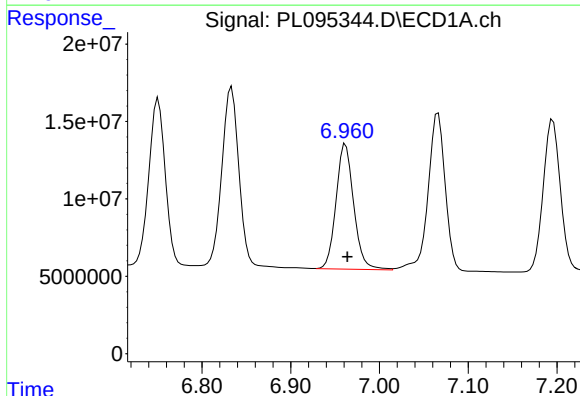
R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 136066041
Conc: 47.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



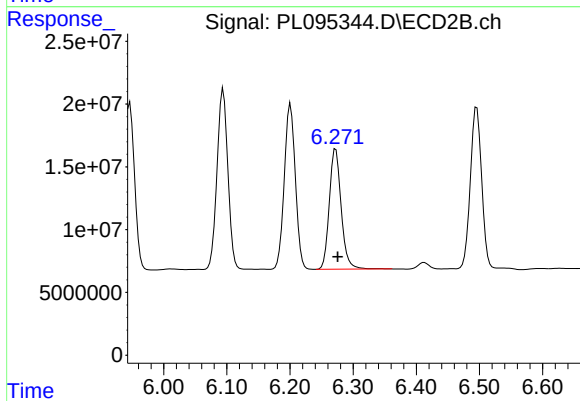
#17 4,4'-DDT

R.T.: 6.201 min
Delta R.T.: -0.003 min
Response: 160165180
Conc: 46.61 ng/ml



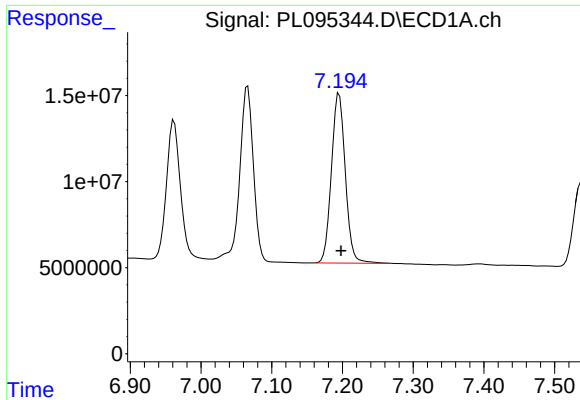
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: -0.002 min
Response: 111869443
Conc: 48.20 ng/ml



#18 Endrin aldehyde

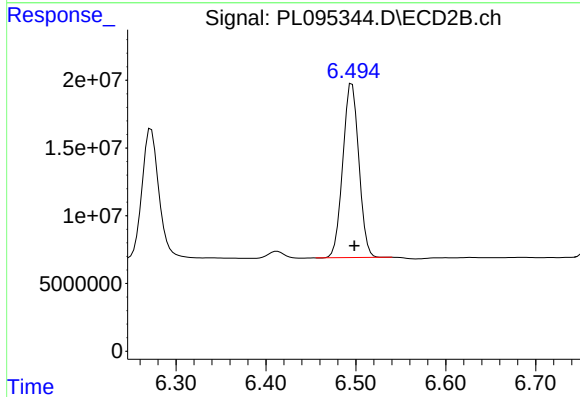
R.T.: 6.272 min
Delta R.T.: -0.003 min
Response: 125158099
Conc: 47.90 ng/ml



#19 Endosulfan Sulfate

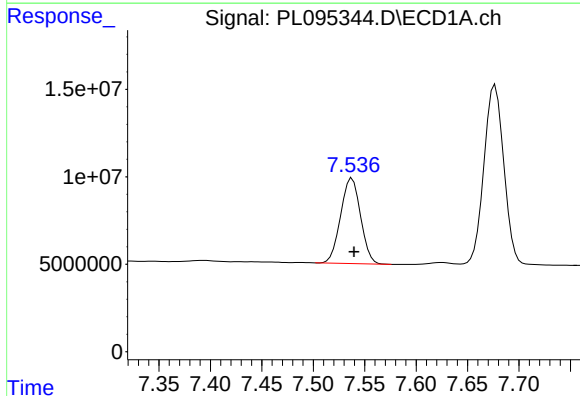
R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 134214631
Conc: 47.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



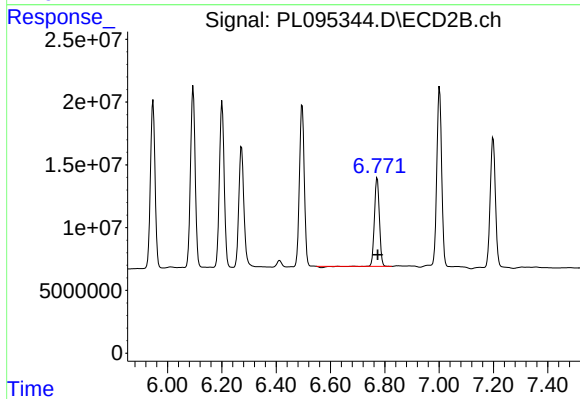
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.003 min
Response: 159229468
Conc: 47.99 ng/ml



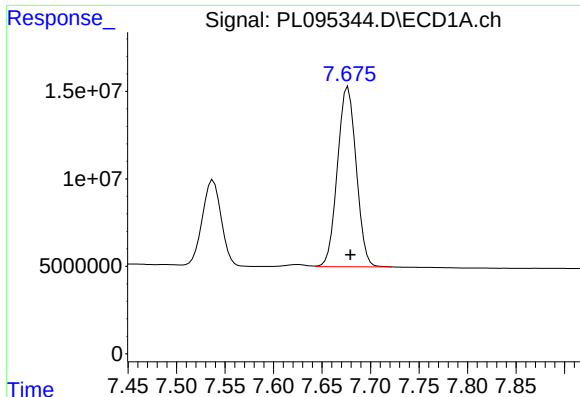
#20 Methoxychlor

R.T.: 7.538 min
Delta R.T.: -0.002 min
Response: 65789961
Conc: 47.16 ng/ml



#20 Methoxychlor

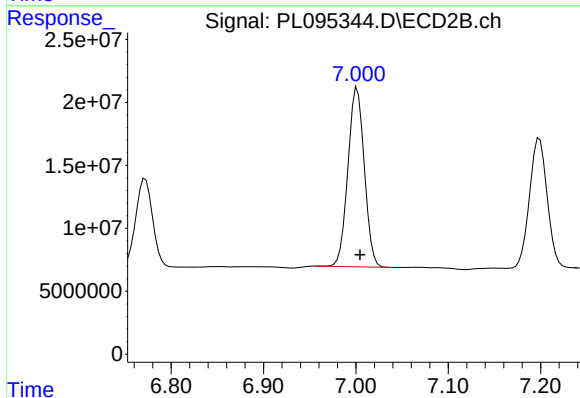
R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 87833349
Conc: 46.05 ng/ml



#21 Endrin ketone

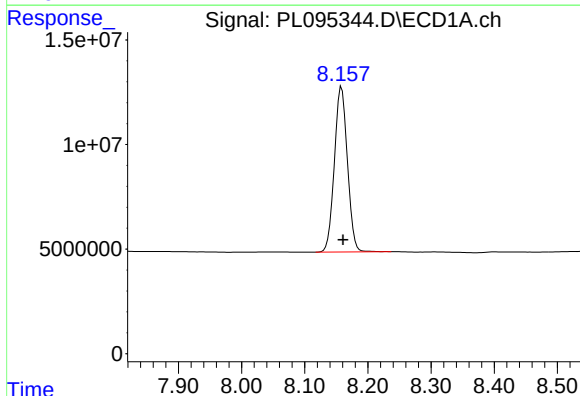
R.T.: 7.677 min
Delta R.T.: -0.002 min
Response: 138179720
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



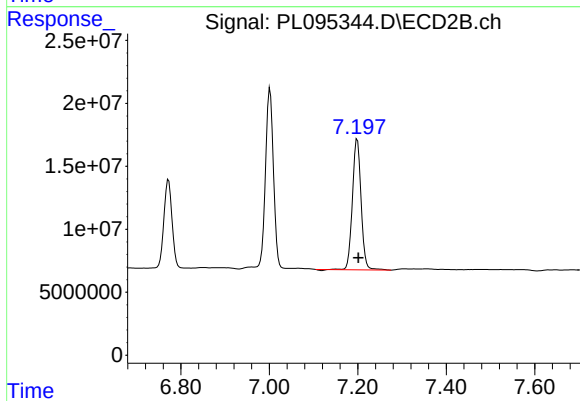
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 175365566
Conc: 49.80 ng/ml



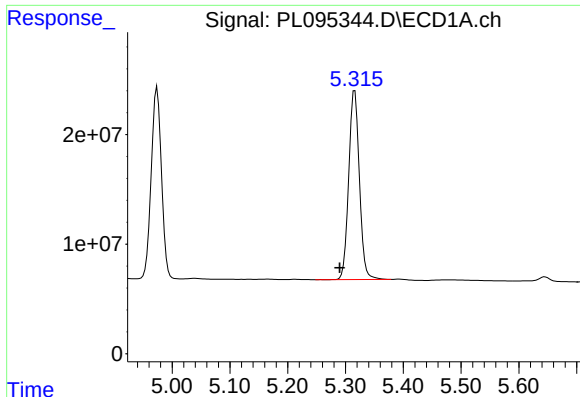
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.002 min
Response: 113501621
Conc: 47.77 ng/ml



#22 Mirex

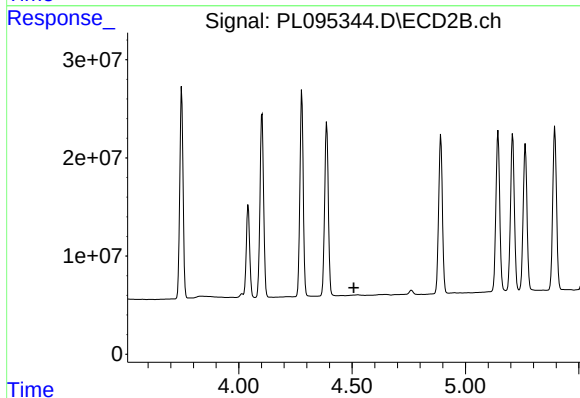
R.T.: 7.199 min
Delta R.T.: -0.003 min
Response: 141758261
Conc: 49.18 ng/ml



#24 Chlordane-2

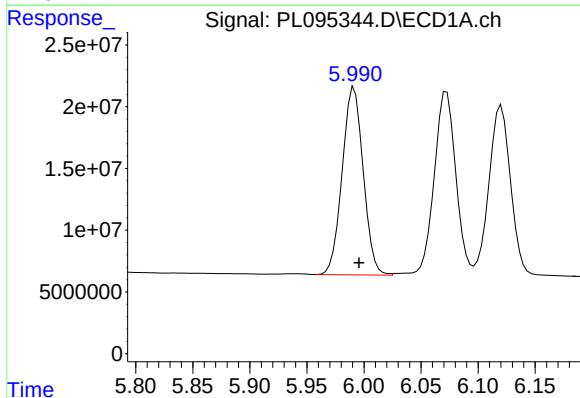
R.T.: 5.316 min
Delta R.T.: 0.026 min
Response: 219953420
Conc: 1038.91 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



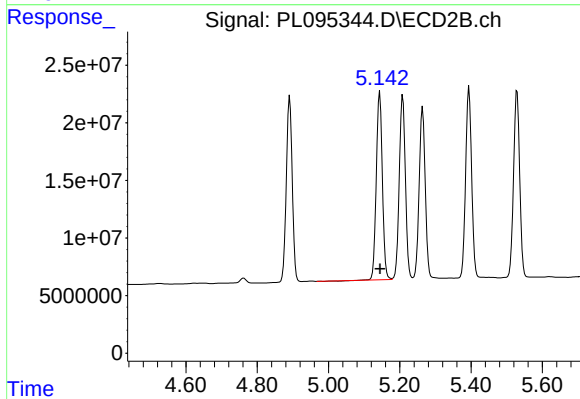
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.507 min
Response: 0
Conc: N.D.



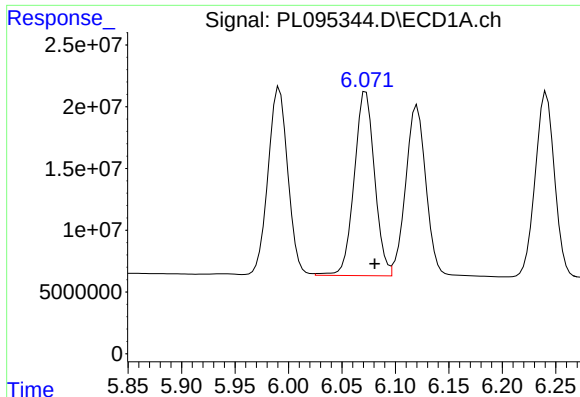
#25 Chlordane-3

R.T.: 5.991 min
Delta R.T.: -0.004 min
Response: 194858822
Conc: 250.16 ng/ml



#25 Chlordane-3

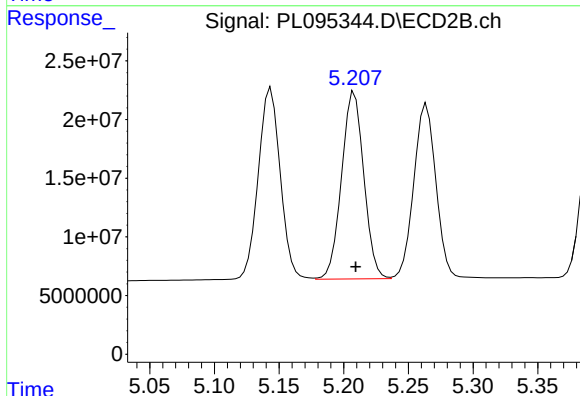
R.T.: 5.144 min
Delta R.T.: -0.001 min
Response: 193183867
Conc: 373.94 ng/ml



#26 Chlordane-4

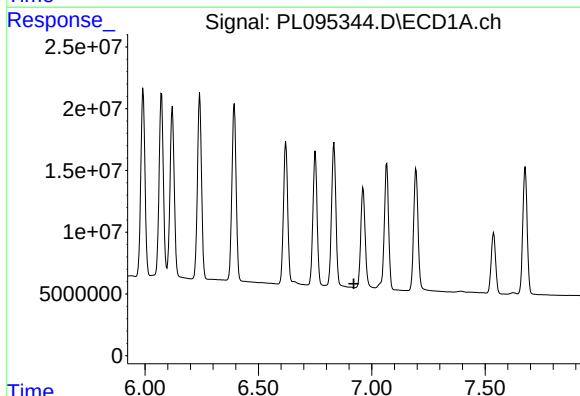
R.T.: 6.072 min
Delta R.T.: -0.008 min
Response: 197480130
Conc: 209.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



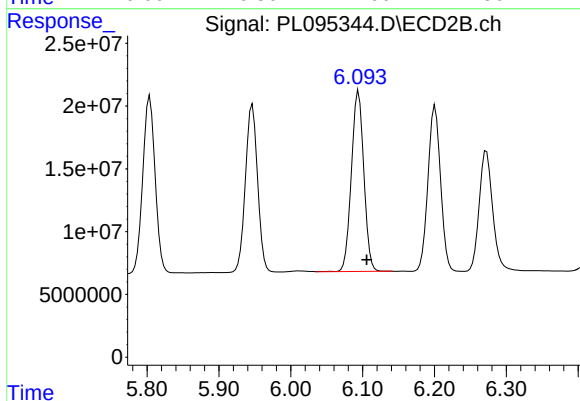
#26 Chlordane-4

R.T.: 5.208 min
Delta R.T.: 0.000 min
Response: 190622092
Conc: 438.60 ng/ml



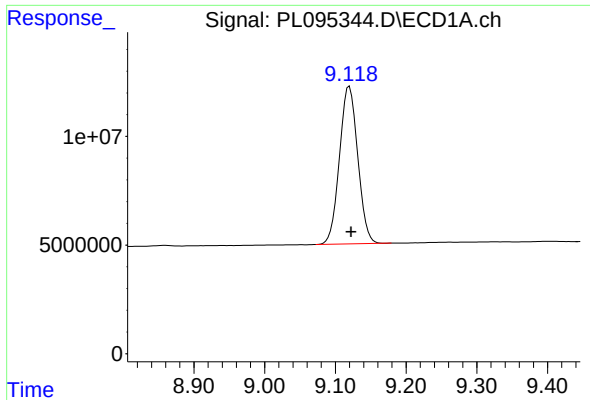
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.921 min
Response: 0
Conc: N.D.



#27 Chlordane-5

R.T.: 6.094 min
Delta R.T.: -0.011 min
Response: 172973782
Conc: 936.32 ng/ml



#28 Decachlorobiphenyl

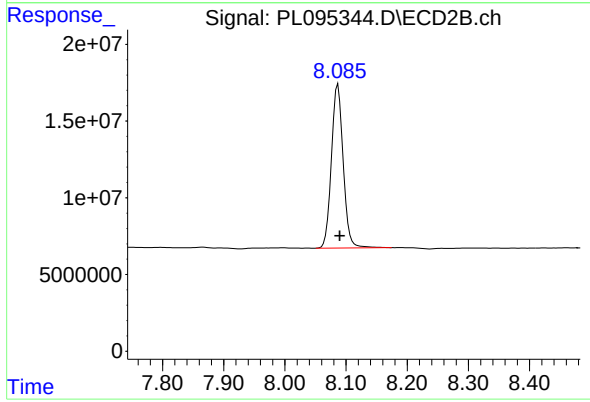
R.T.: 9.120 min

Delta R.T.: -0.002 min

Response: 130326216

Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL042325



#28 Decachlorobiphenyl

R.T.: 8.087 min

Delta R.T.: -0.003 min

Response: 142727631

Conc: 48.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095439.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 15:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:34:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	73328793	68568704	22.461	21.564
28)	SA Decachlor...	9.117	8.083	70253388	72725496	25.355	24.576
Target Compounds							
2)	A alpha-BHC	4.044	3.413	54493818	47576174	11.001	10.694
3)	MA gamma-BHC...	4.375	3.747	54838167	47186291	11.584	10.728
6)	B beta-BHC	4.561	4.040	23140770	23104520	11.193	11.130
14)	MA Endrin	6.619	5.801	188.6E6	188.5E6	59.227	51.778
16)	A 4,4'-DDD	6.749	5.944	16617110	11122240	5.870	3.405 #
17)	MA 4,4'-DDT	7.065	6.198	334.4E6	368.6E6	117.390	107.281
20)	A Methoxychlor	7.536	6.769	376.0E6	440.4E6	269.500	230.892
21)	B Endrin ke...	7.674	6.998	7348526	8581872	2.578	2.437

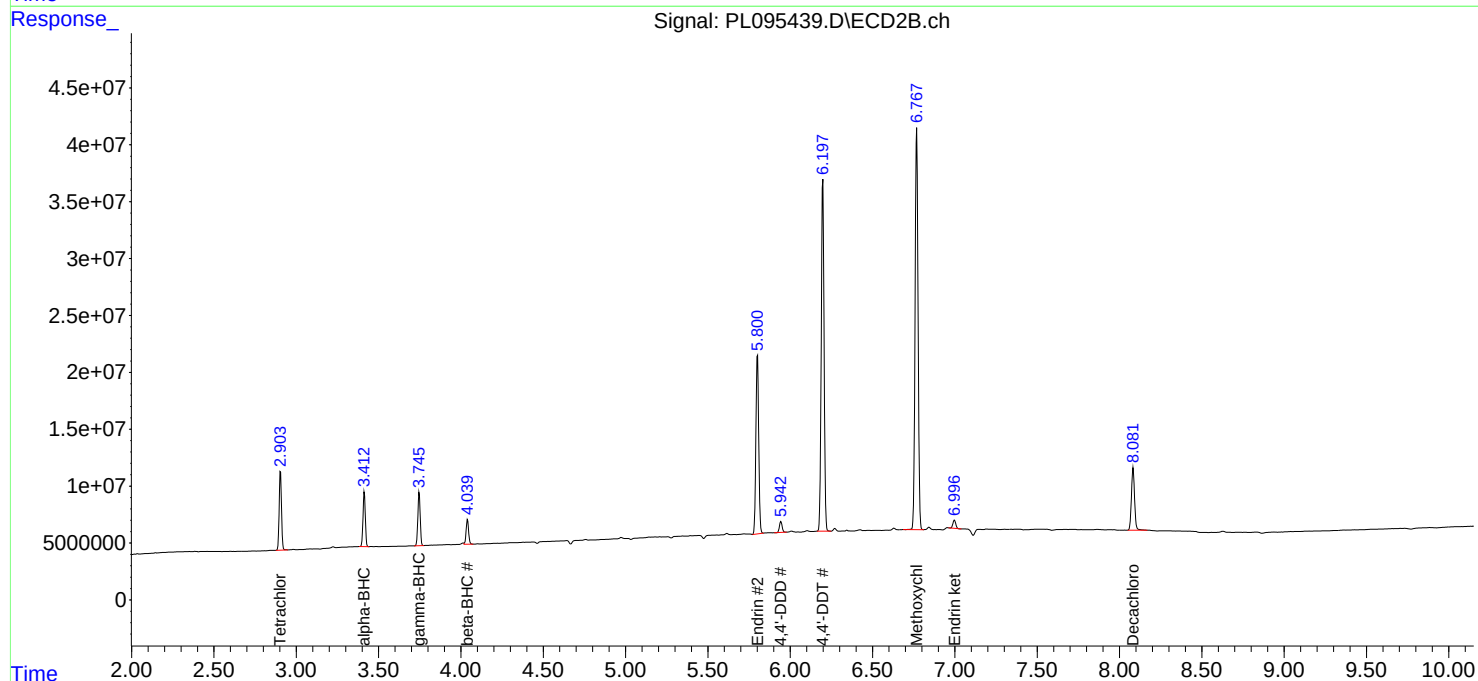
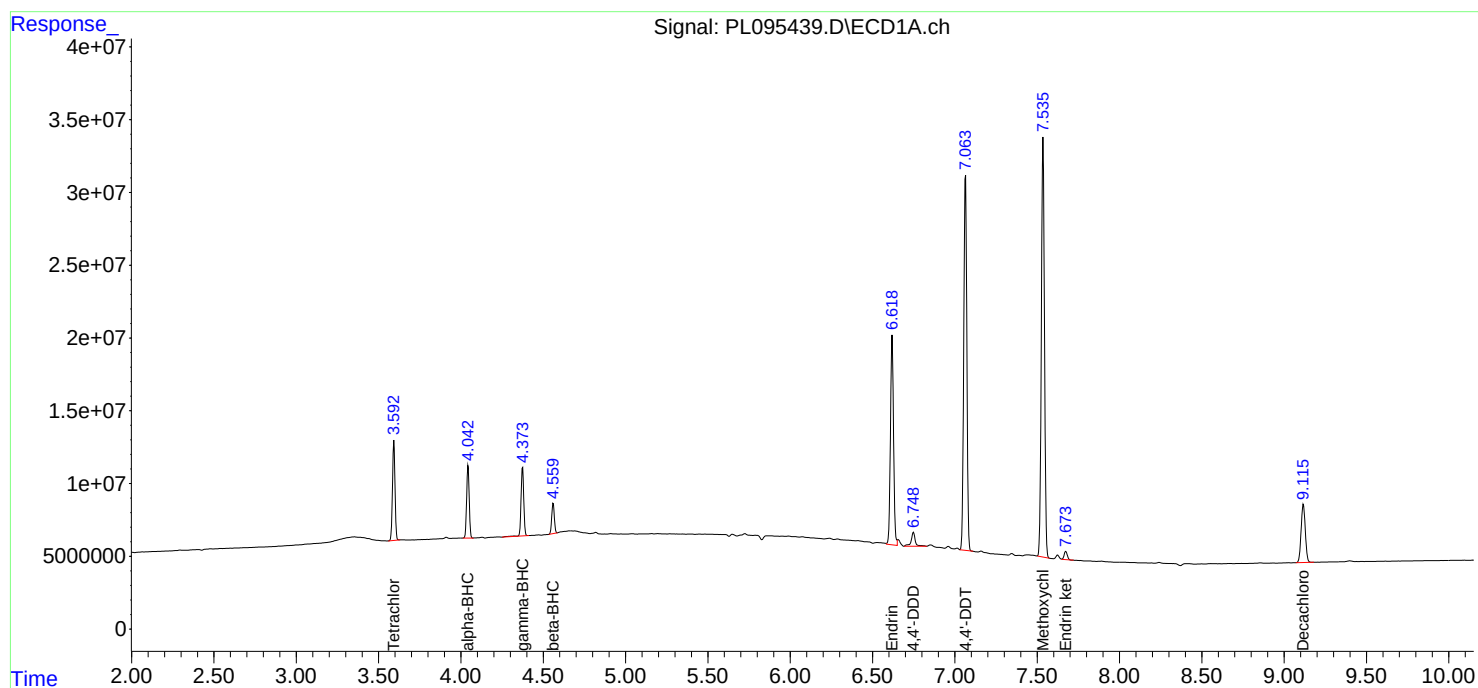
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

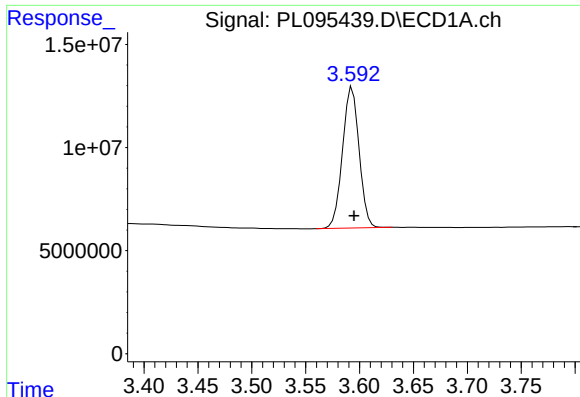
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 15:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

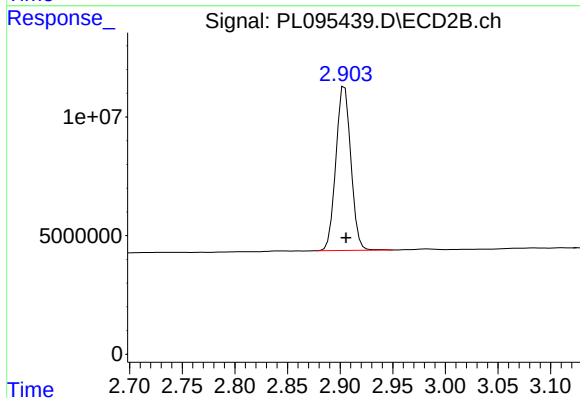




#1 Tetrachloro-m-xylene

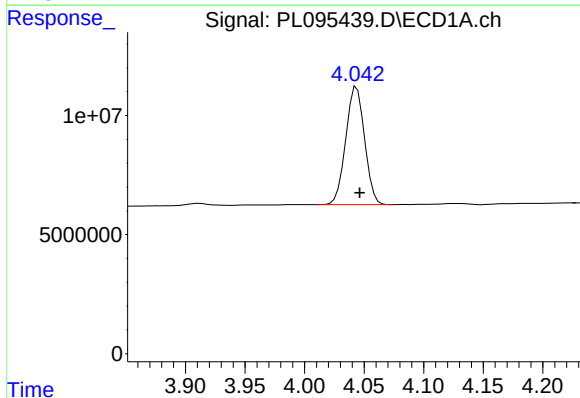
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 73328793
Conc: 22.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



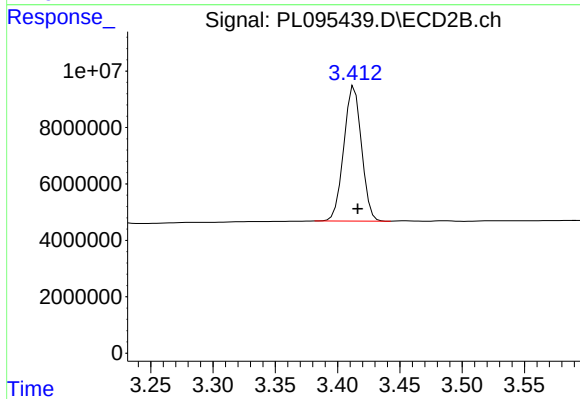
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 68568704
Conc: 21.56 ng/ml



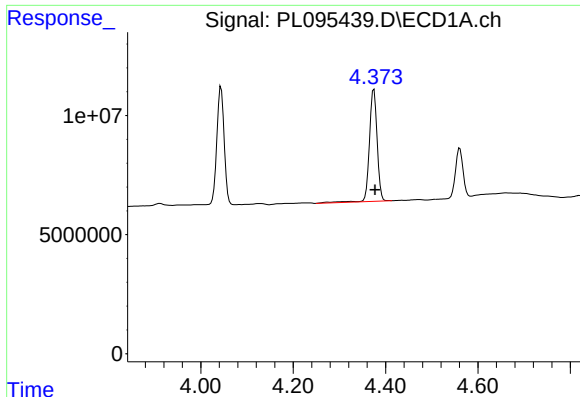
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 54493818
Conc: 11.00 ng/ml



#2 alpha-BHC

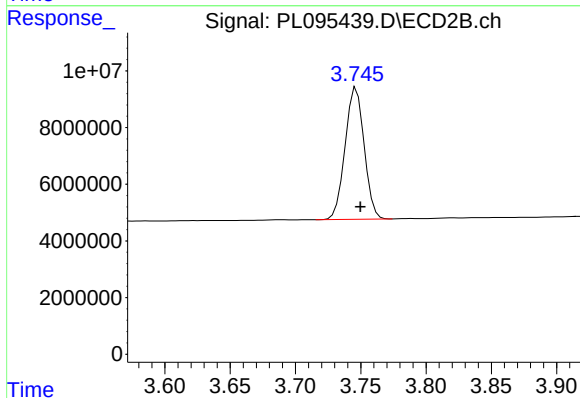
R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 47576174
Conc: 10.69 ng/ml



#3 gamma-BHC (Lindane)

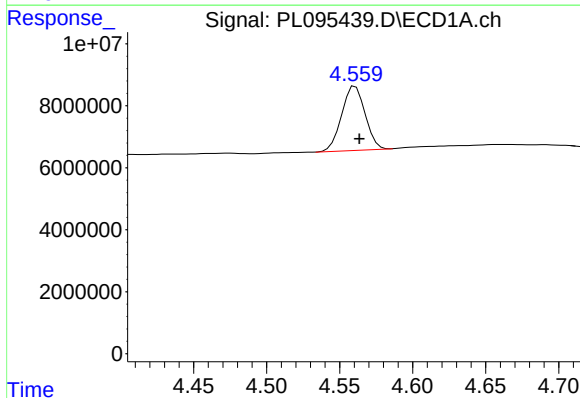
R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 54838167
Conc: 11.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



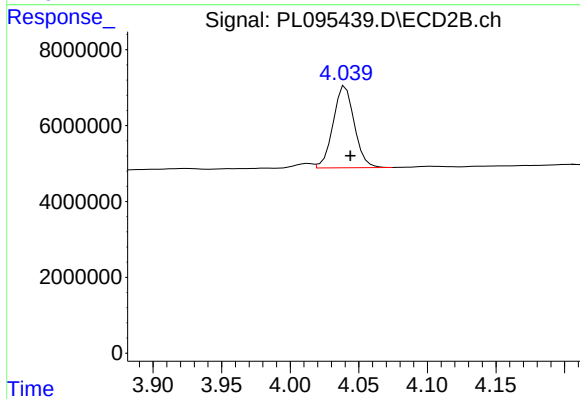
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47186291
Conc: 10.73 ng/ml



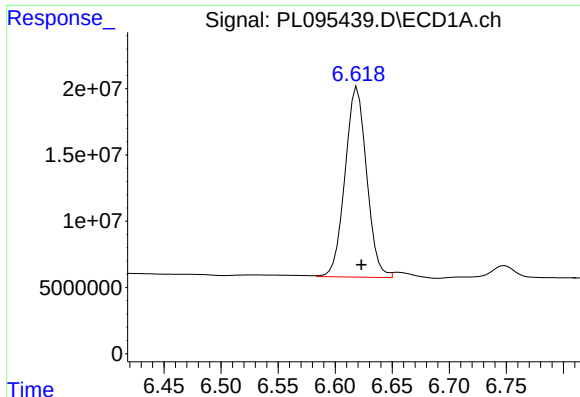
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.003 min
Response: 23140770
Conc: 11.19 ng/ml



#6 beta-BHC

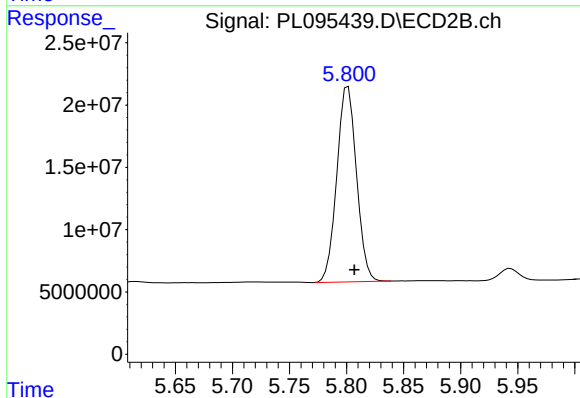
R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 23104520
Conc: 11.13 ng/ml



#14 Endrin

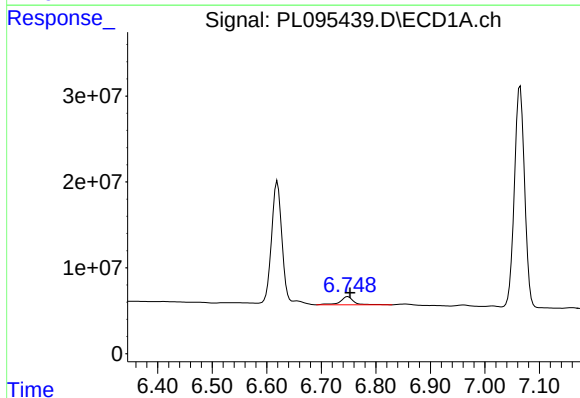
R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 188623186
Conc: 59.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



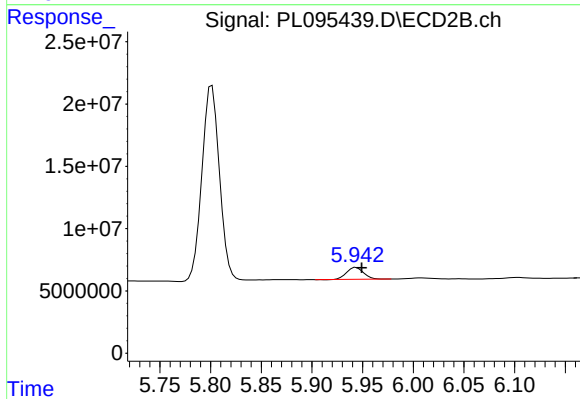
#14 Endrin

R.T.: 5.801 min
Delta R.T.: -0.005 min
Response: 188510661
Conc: 51.78 ng/ml



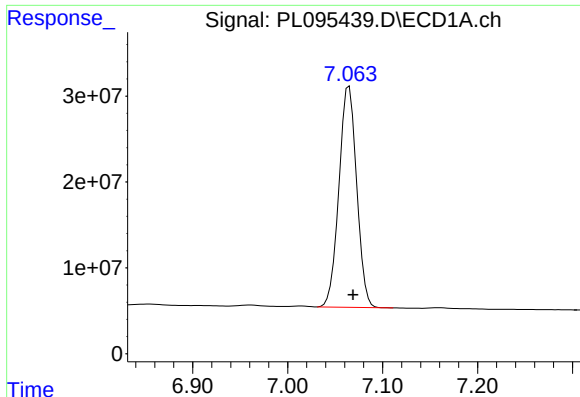
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 16617110
Conc: 5.87 ng/ml



#16 4,4'-DDD

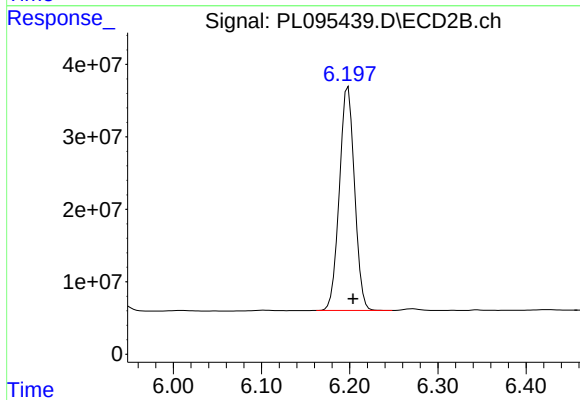
R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 11122240
Conc: 3.40 ng/ml



#17 4,4'-DDT

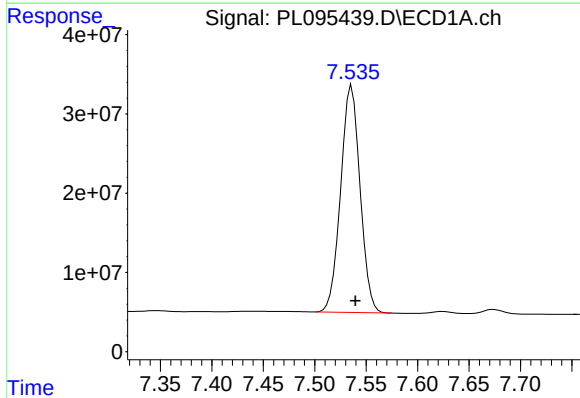
R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 334394455
Conc: 117.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



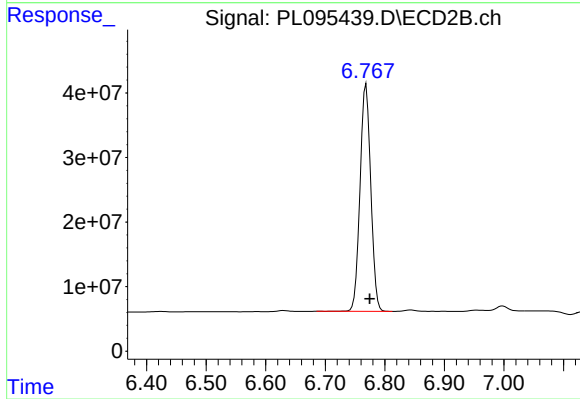
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 368637048
Conc: 107.28 ng/ml



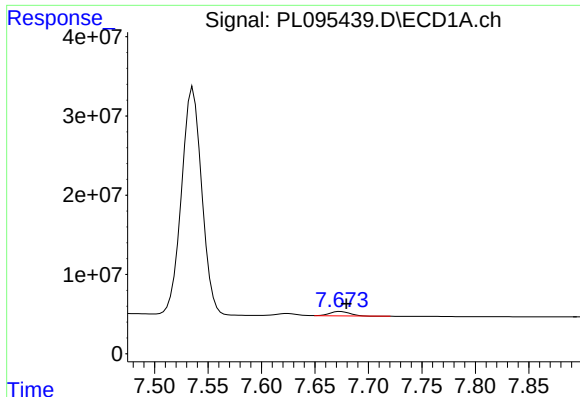
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 375987716
Conc: 269.50 ng/ml



#20 Methoxychlor

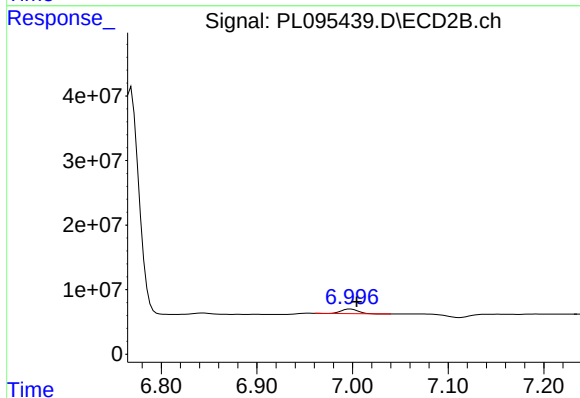
R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 440409813
Conc: 230.89 ng/ml



#21 Endrin ketone

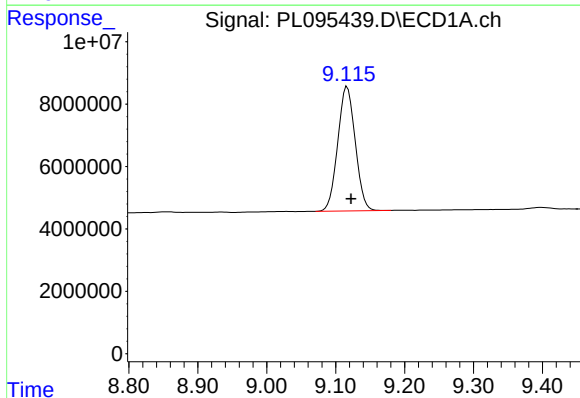
R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 7348526
Conc: 2.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



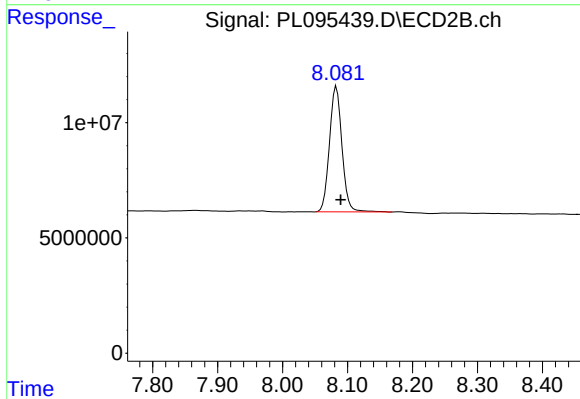
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.007 min
Response: 8581872
Conc: 2.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.006 min
Response: 70253388
Conc: 25.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 72725496
Conc: 24.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095440.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:01
 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: Apr 29 01:34:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	167.3E6	159.8E6	51.234	50.269
28)	SA Decachlor...	9.116	8.083	154.3E6	161.8E6	55.674	54.678
Target Compounds							
2)	A alpha-BHC	4.044	3.414	257.1E6	232.3E6	51.895	52.209
3)	MA gamma-BHC...	4.375	3.747	243.7E6	223.0E6	51.469	50.705
4)	MA Heptachlor	4.972	4.101	235.2E6	215.4E6	51.415	49.436
5)	MB Aldrin	5.314	4.386	239.1E6	205.7E6	52.062	49.991
6)	B beta-BHC	4.560	4.040	104.8E6	102.1E6	50.683	49.198
7)	B delta-BHC	0.000	4.277	0	223.5E6	N.D.	50.996 #
8)	B Heptachlo...	5.735	4.889	215.0E6	191.0E6	53.673	49.436
9)	A Endosulfan I	6.118	5.262	205.5E6	183.9E6	54.126	50.236
10)	B gamma-Chl...	5.989	5.141	220.5E6	204.2E6	54.052	50.397
11)	B alpha-Chl...	6.070	5.206	226.5E6	197.8E6	55.700	49.673
12)	B 4,4'-DDE	6.239	5.392	219.9E6	193.0E6	56.088	47.455
13)	MA Dieldrin	6.391	5.527	209.2E6	198.2E6	54.261	48.724
14)	MA Endrin	6.619	5.802	166.9E6	155.7E6	52.421	42.778
15)	B Endosulfa...	6.831	6.092	186.9E6	178.7E6	58.563	49.756
16)	A 4,4'-DDD	6.748	5.944	166.2E6	165.7E6	58.711	50.708
17)	MA 4,4'-DDT	7.064	6.198	159.4E6	146.2E6	55.966	42.538
18)	B Endrin al...	6.960	6.270	132.7E6	134.5E6	57.199	51.464
19)	B Endosulfa...	7.193	6.493	156.8E6	173.0E6	55.948	52.133
20)	A Methoxychlor	7.535	6.768	73516314	88053321	52.695	46.163
21)	B Endrin ke...	7.674	6.999	169.3E6	199.6E6	59.372	56.679
22)	Mirex	8.155	7.195	132.3E6	184.1E6	55.691	63.860
24)	Chlordane-2	5.314f	0.000	239.1E6	0	1129.456	N.D. #
25)	Chlordane-3	5.989	5.141	220.5E6	204.2E6	283.076	395.339 #
26)	Chlordane-4	6.070	5.206	226.5E6	197.8E6	240.189	455.005 #
27)	Chlordane-5	0.000	6.092	0	178.7E6	N.D.	967.204 #

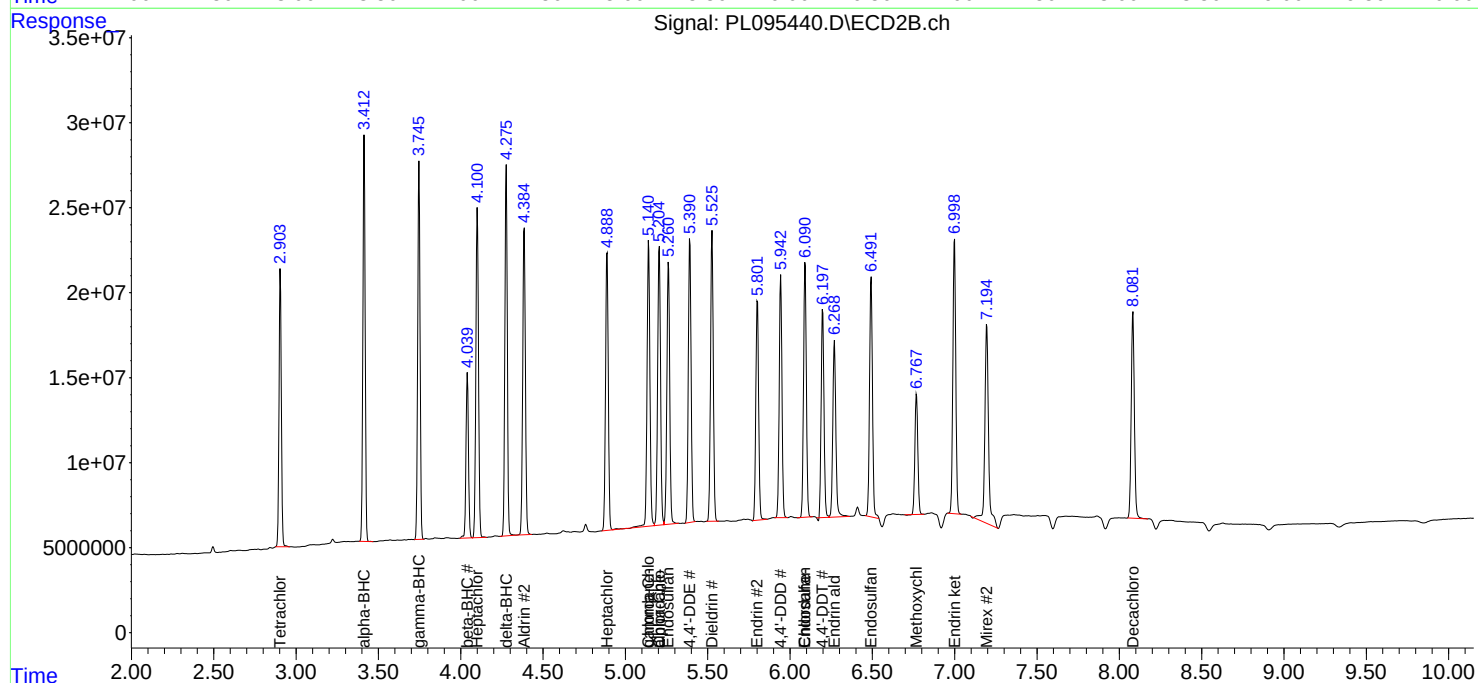
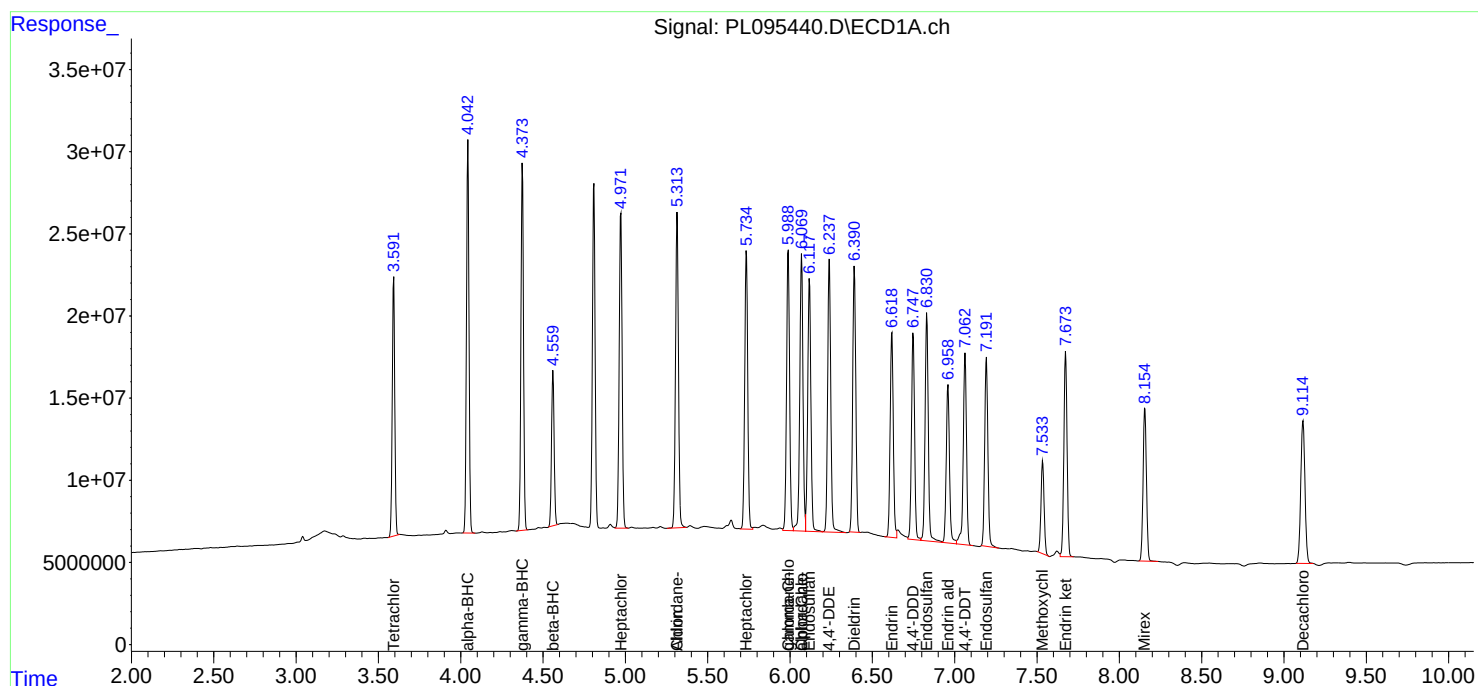
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

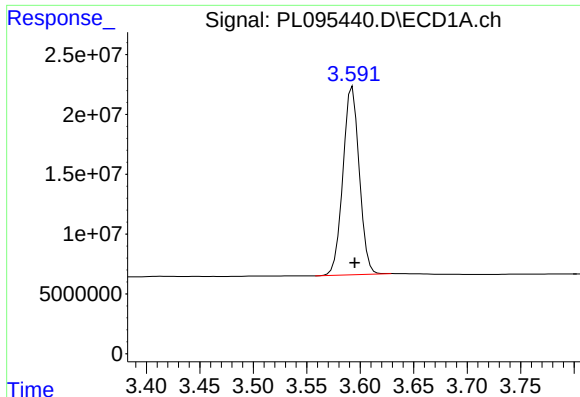
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:34:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

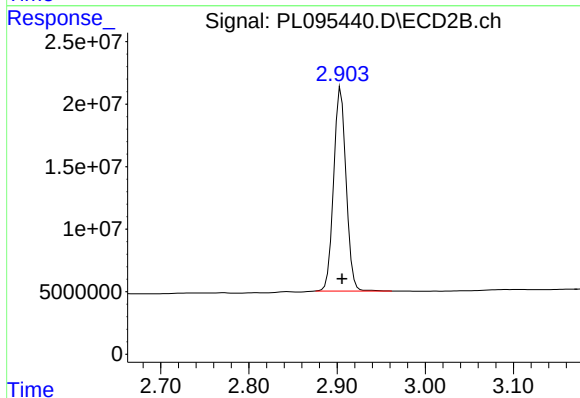




#1 Tetrachloro-m-xylene

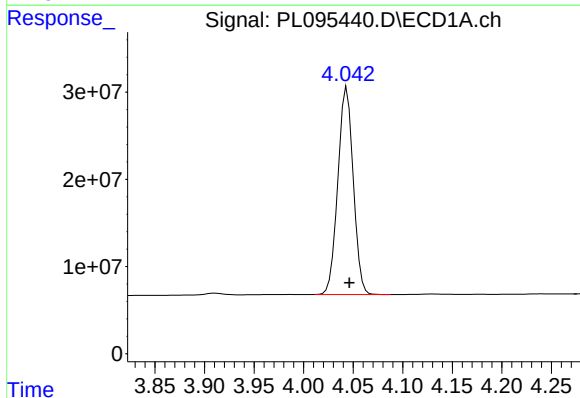
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 167262219
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



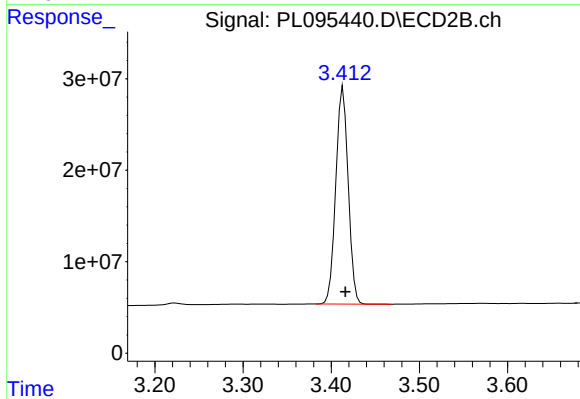
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 159843978
Conc: 50.27 ng/ml



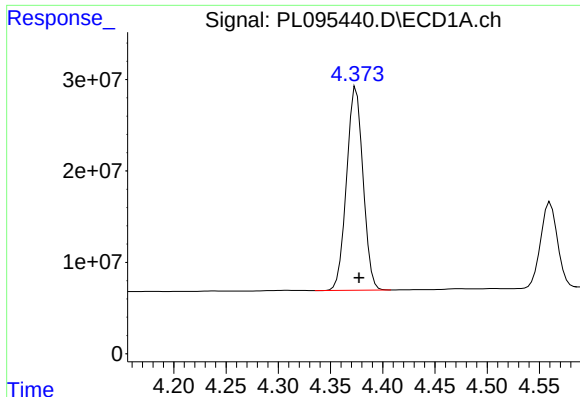
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257072845
Conc: 51.89 ng/ml



#2 alpha-BHC

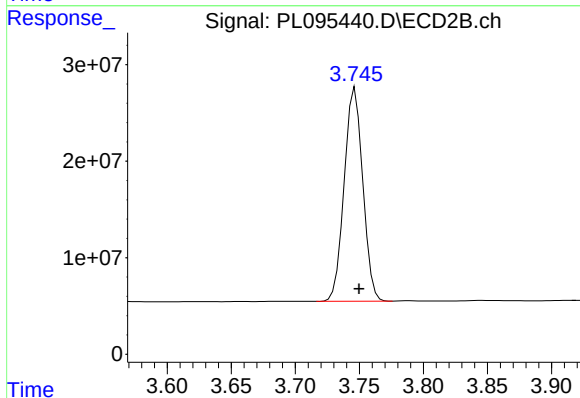
R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 232264928
Conc: 52.21 ng/ml



#3 gamma-BHC (Lindane)

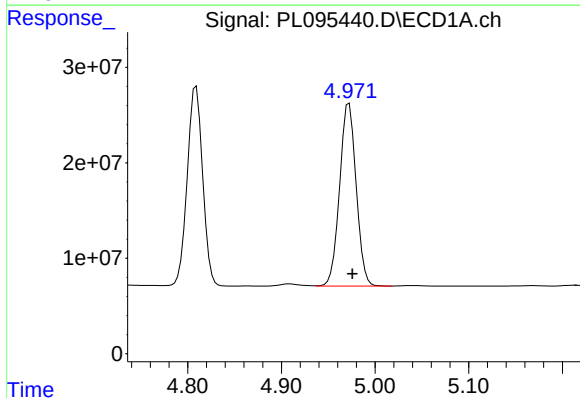
R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 243652188
Conc: 51.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



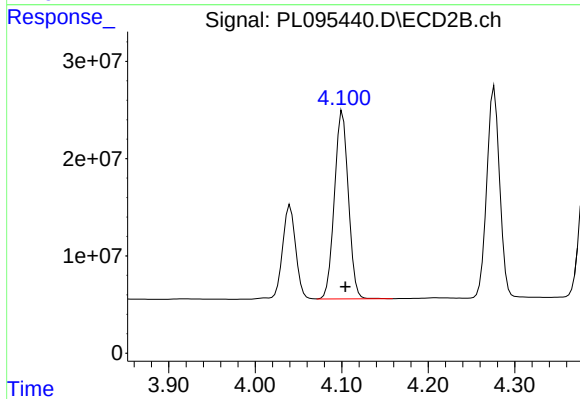
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 223013873
Conc: 50.71 ng/ml



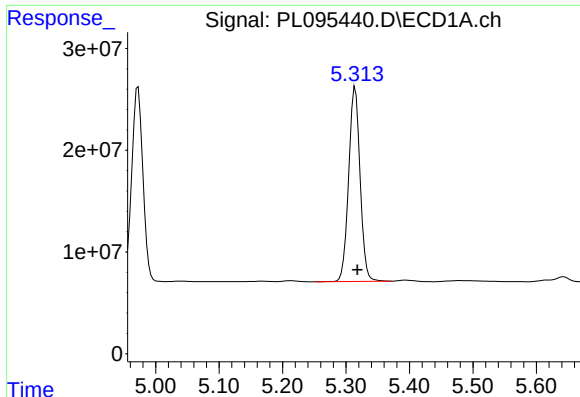
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 235195258
Conc: 51.41 ng/ml



#4 Heptachlor

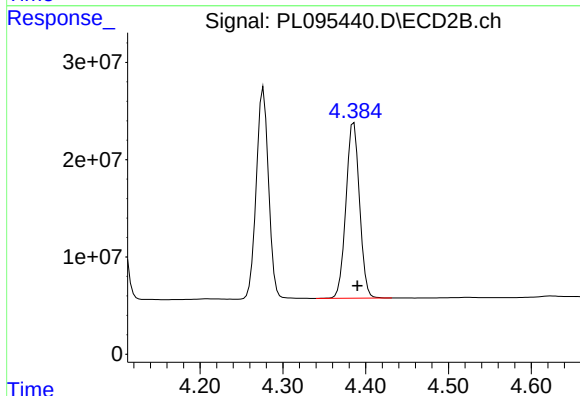
R.T.: 4.101 min
Delta R.T.: -0.003 min
Response: 215375667
Conc: 49.44 ng/ml



#5 Aldrin

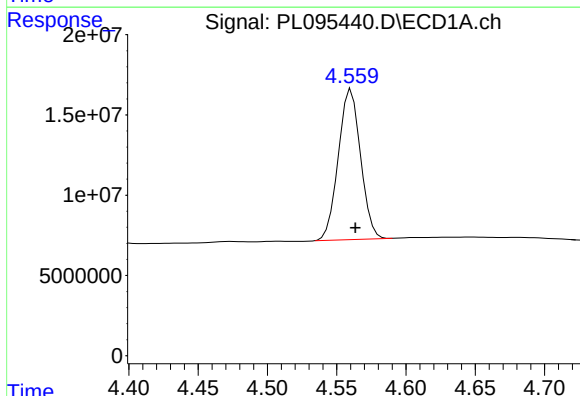
R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239123618
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



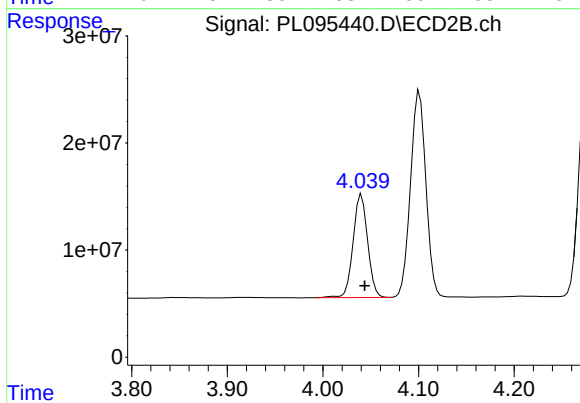
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 205747698
Conc: 49.99 ng/ml



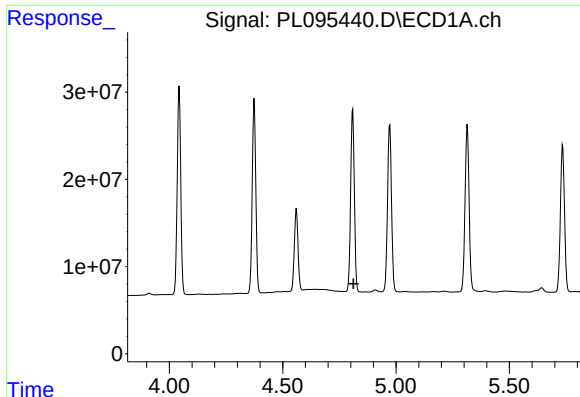
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 104788017
Conc: 50.68 ng/ml



#6 beta-BHC

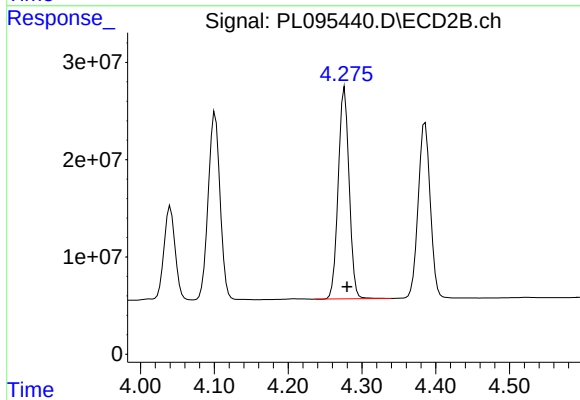
R.T.: 4.040 min
Delta R.T.: -0.003 min
Response: 102128920
Conc: 49.20 ng/ml



#7 delta-BHC

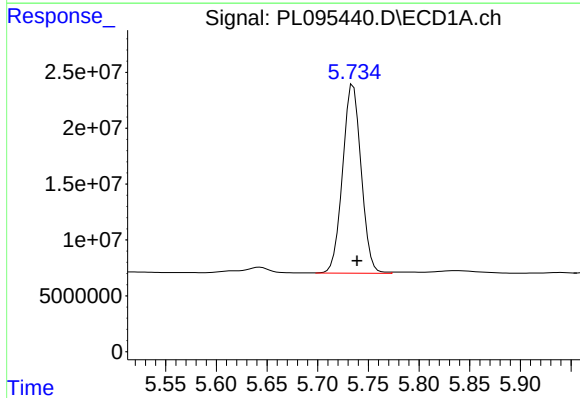
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



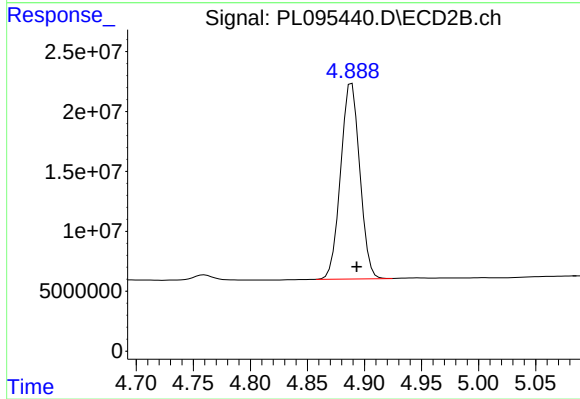
#7 delta-BHC

R.T.: 4.277 min
Delta R.T.: -0.003 min
Response: 223463127
Conc: 51.00 ng/ml



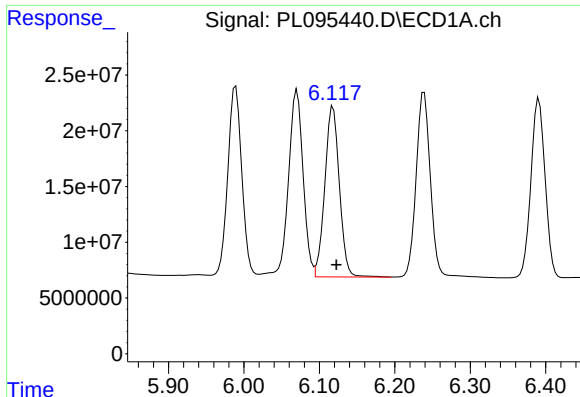
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214968820
Conc: 53.67 ng/ml



#8 Heptachlor epoxide

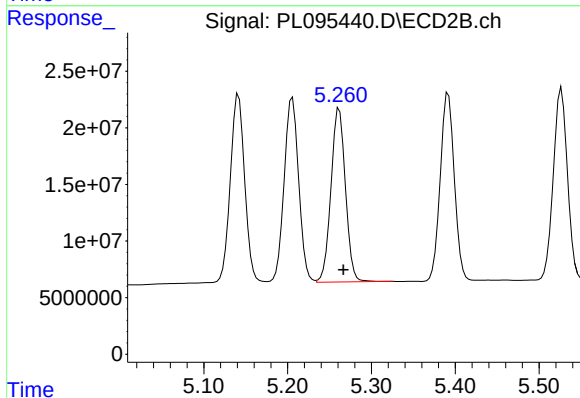
R.T.: 4.889 min
Delta R.T.: -0.004 min
Response: 190953783
Conc: 49.44 ng/ml



#9 Endosulfan I

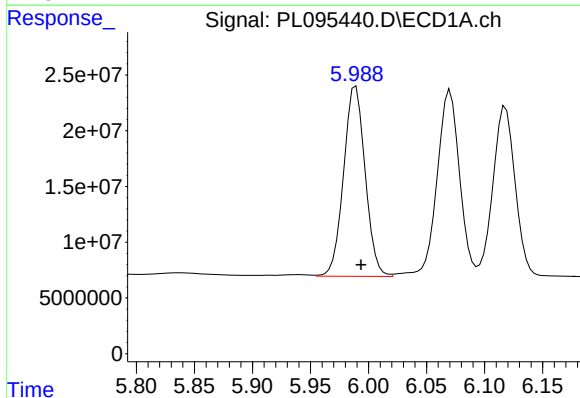
R.T.: 6.118 min
Delta R.T.: -0.004 min
Response: 205545727
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



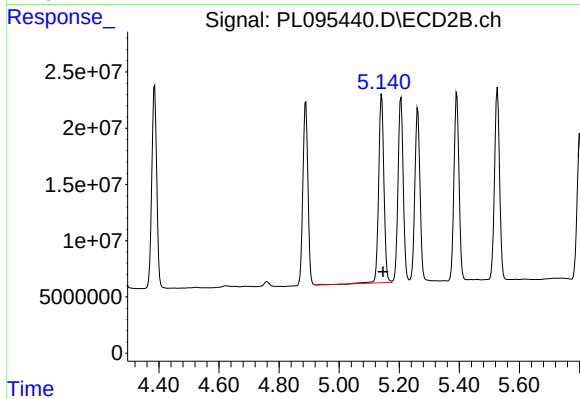
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 183883855
Conc: 50.24 ng/ml



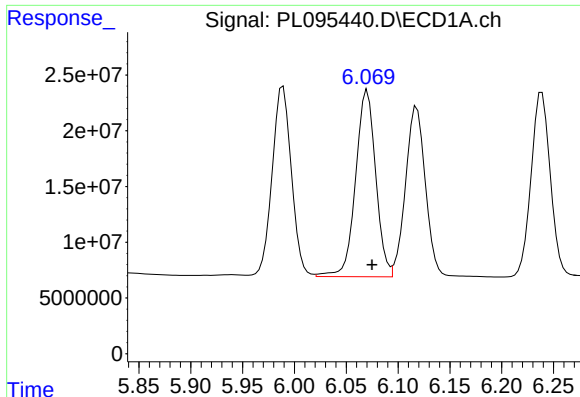
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.004 min
Response: 220495708
Conc: 54.05 ng/ml



#10 gamma-Chlordane

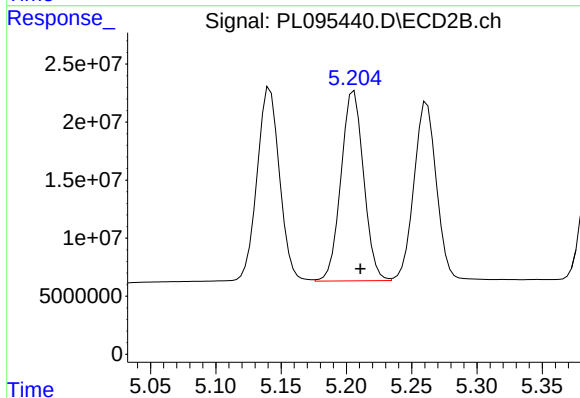
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 204240956
Conc: 50.40 ng/ml



#11 alpha-Chlordane

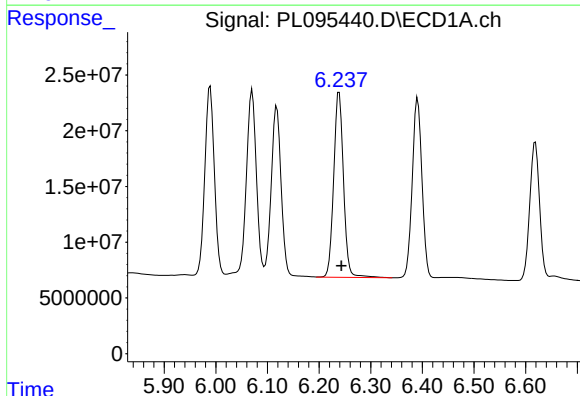
R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 226480961
Conc: 55.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



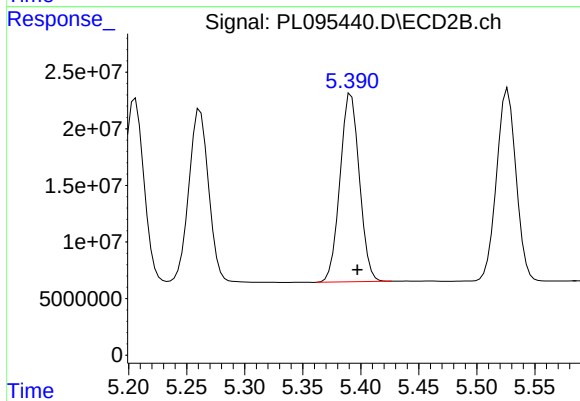
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 197750673
Conc: 49.67 ng/ml



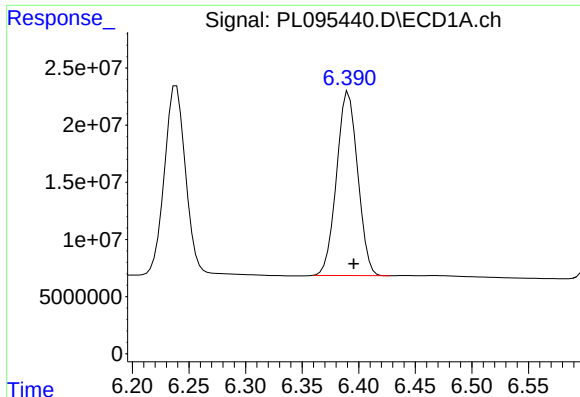
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 219897725
Conc: 56.09 ng/ml



#12 4,4'-DDE

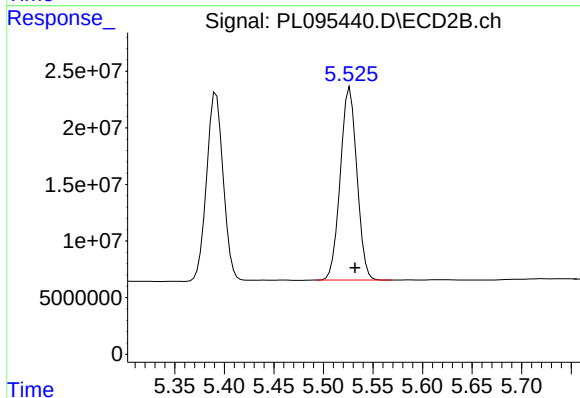
R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 192997790
Conc: 47.45 ng/ml



#13 Dieldrin

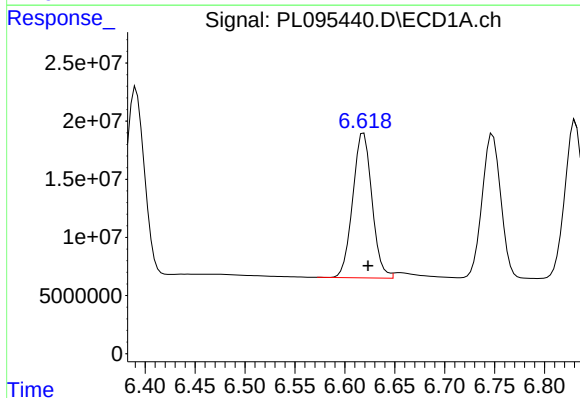
R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 209166326
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



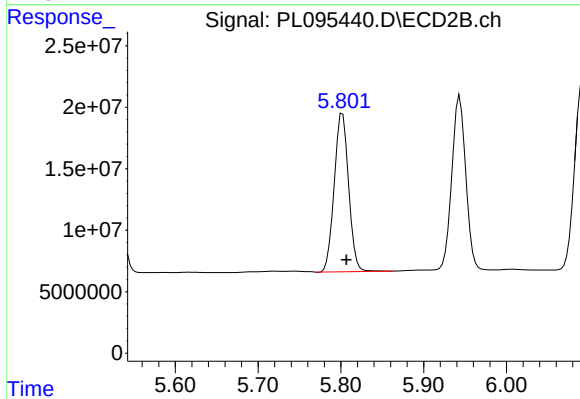
#13 Dieldrin

R.T.: 5.527 min
Delta R.T.: -0.005 min
Response: 198164030
Conc: 48.72 ng/ml



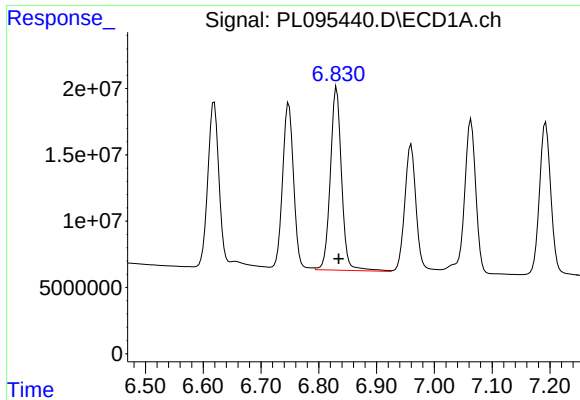
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166947576
Conc: 52.42 ng/ml



#14 Endrin

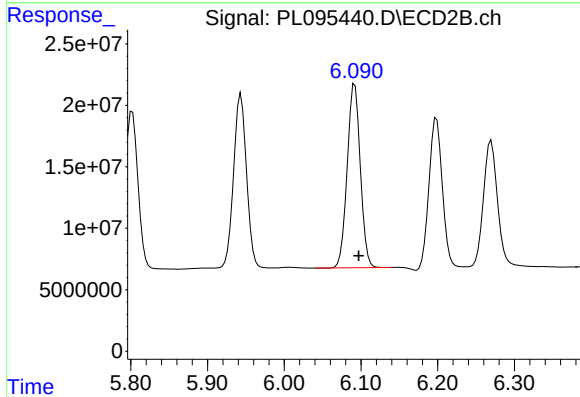
R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 155741444
Conc: 42.78 ng/ml



#15 Endosulfan II

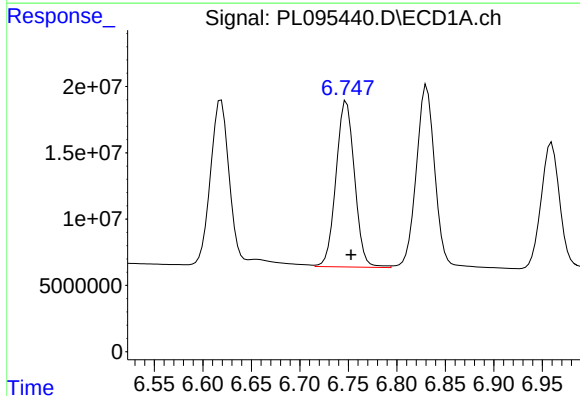
R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 186940626
Conc: 58.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



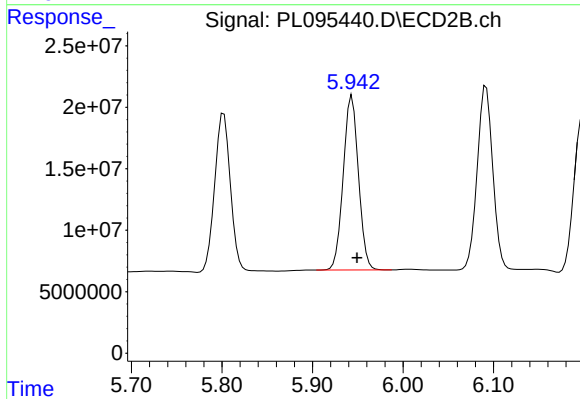
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.005 min
Response: 178680070
Conc: 49.76 ng/ml



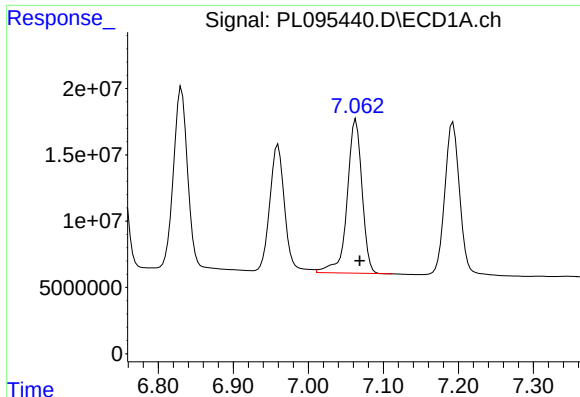
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166208955
Conc: 58.71 ng/ml



#16 4,4'-DDD

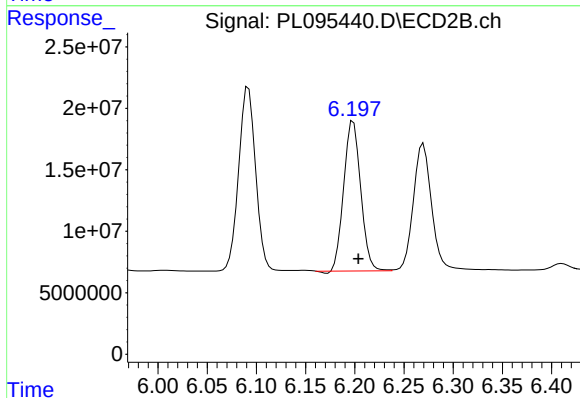
R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 165652788
Conc: 50.71 ng/ml



#17 4,4'-DDT

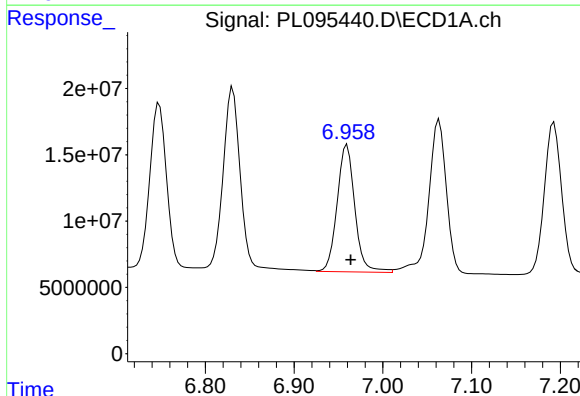
R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159422273
Conc: 55.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



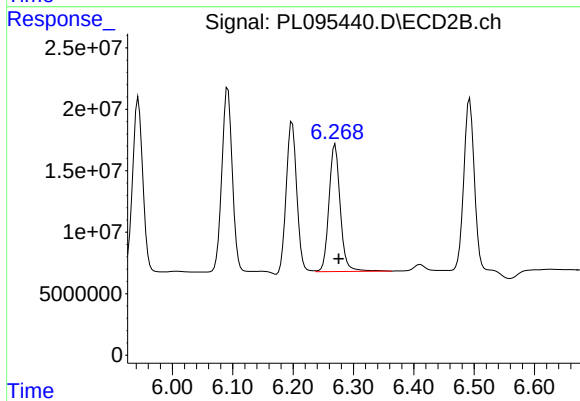
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 146167973
Conc: 42.54 ng/ml



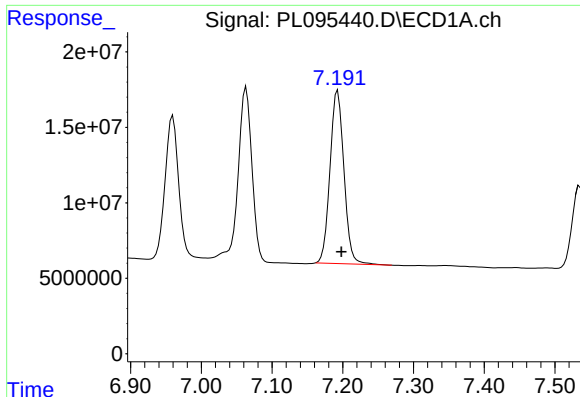
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 132747755
Conc: 57.20 ng/ml



#18 Endrin aldehyde

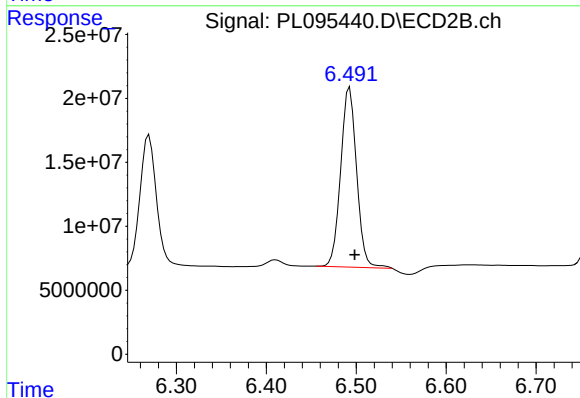
R.T.: 6.270 min
Delta R.T.: -0.006 min
Response: 134483009
Conc: 51.46 ng/ml



#19 Endosulfan Sulfate

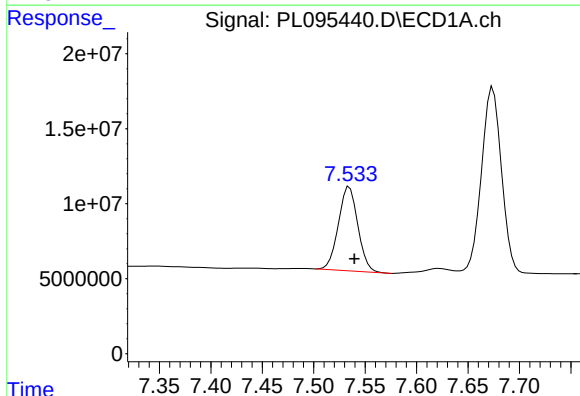
R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 156753947
Conc: 55.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



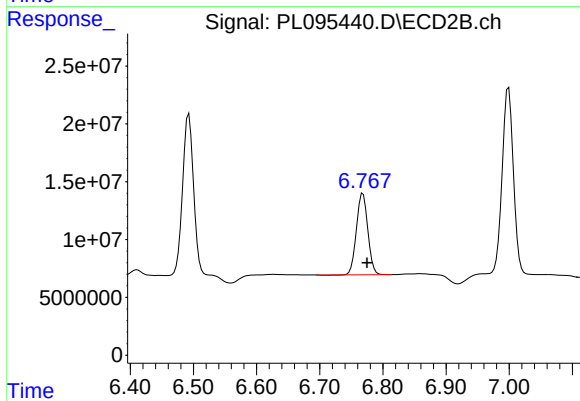
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 172972314
Conc: 52.13 ng/ml



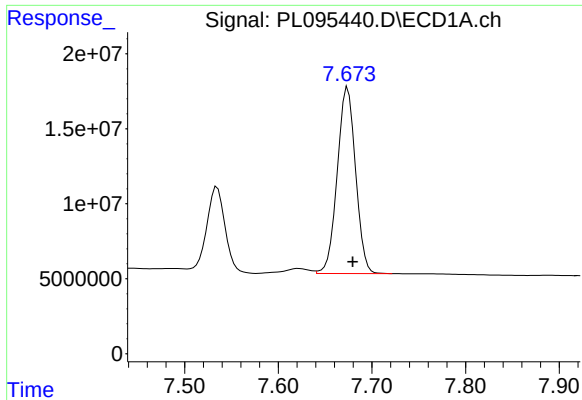
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 73516314
Conc: 52.69 ng/ml



#20 Methoxychlor

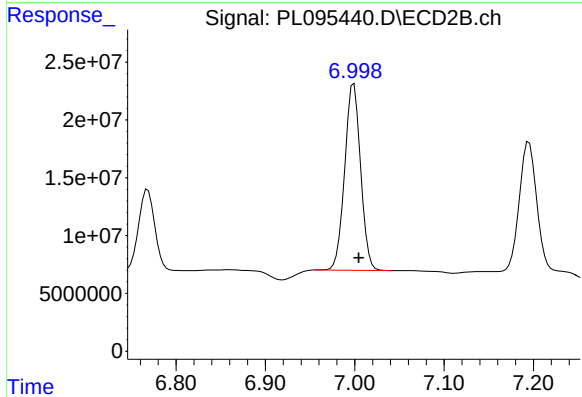
R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 88053321
Conc: 46.16 ng/ml



#21 Endrin ketone

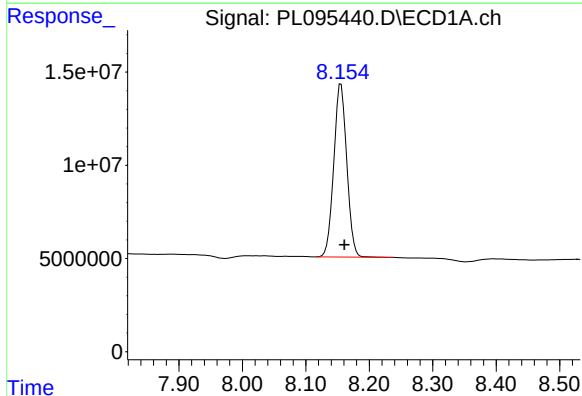
R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 169263018
Conc: 59.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



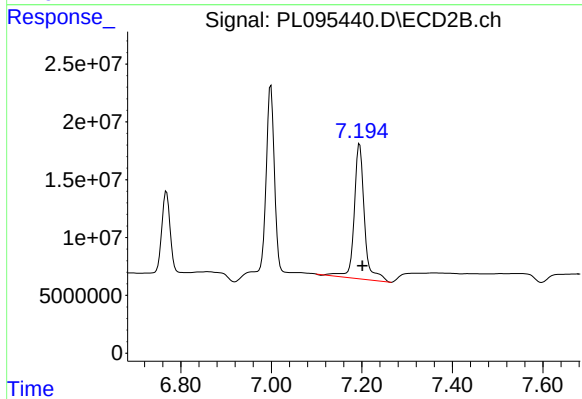
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.005 min
Response: 199582150
Conc: 56.68 ng/ml



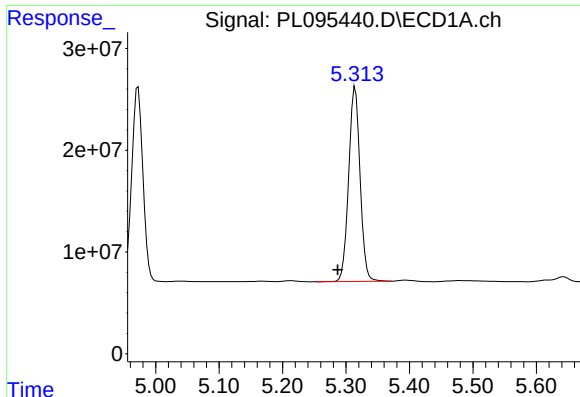
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 132324817
Conc: 55.69 ng/ml



#22 Mirex

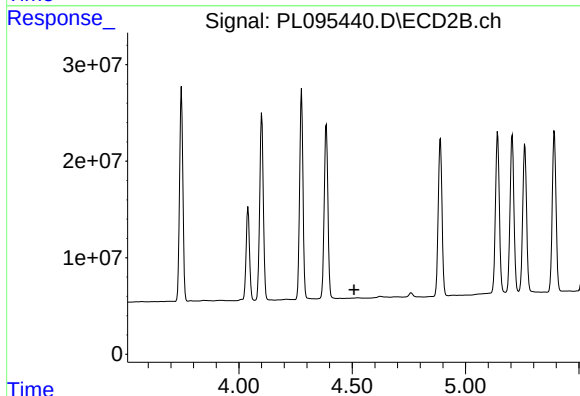
R.T.: 7.195 min
Delta R.T.: -0.007 min
Response: 184069814
Conc: 63.86 ng/ml



#24 Chlordane-2

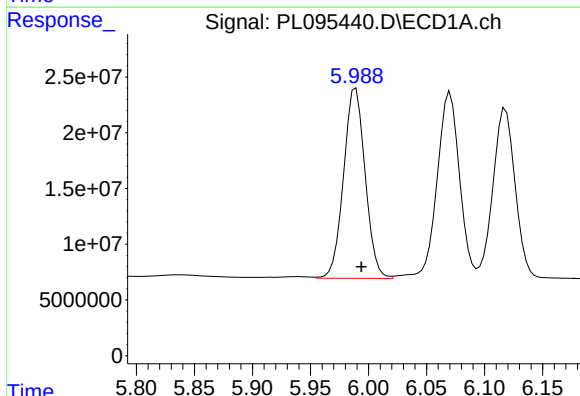
R.T.: 5.314 min
Delta R.T.: 0.028 min
Response: 239123618
Conc: 1129.46 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



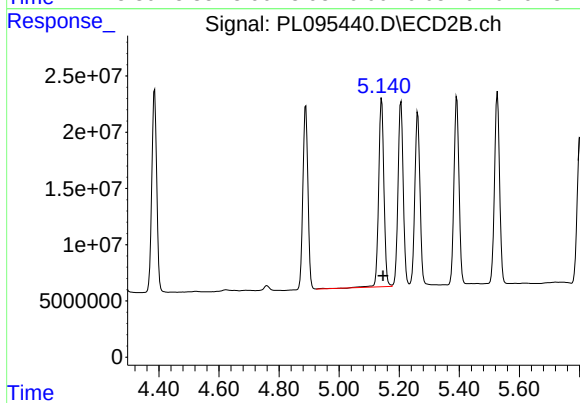
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.508 min
Response: 0
Conc: N.D.



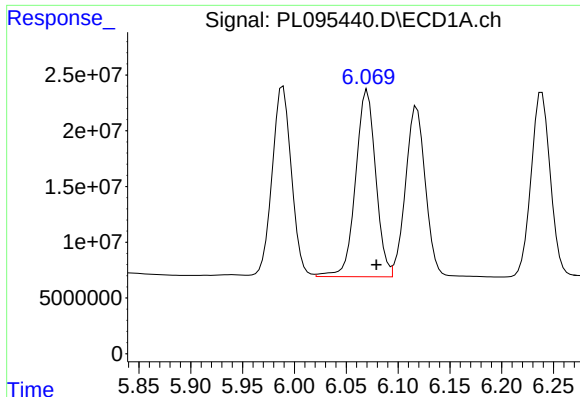
#25 Chlordane-3

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 220495708
Conc: 283.08 ng/ml



#25 Chlordane-3

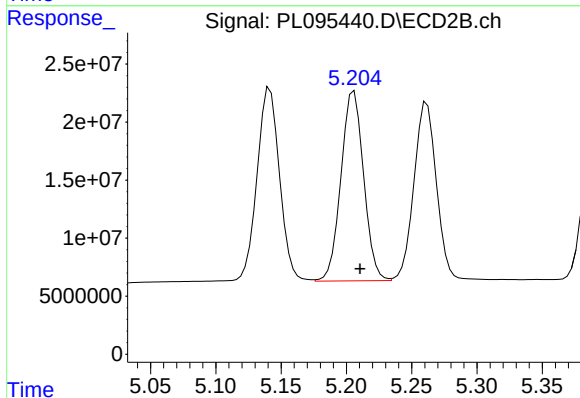
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 204240956
Conc: 395.34 ng/ml



#26 Chlordane-4

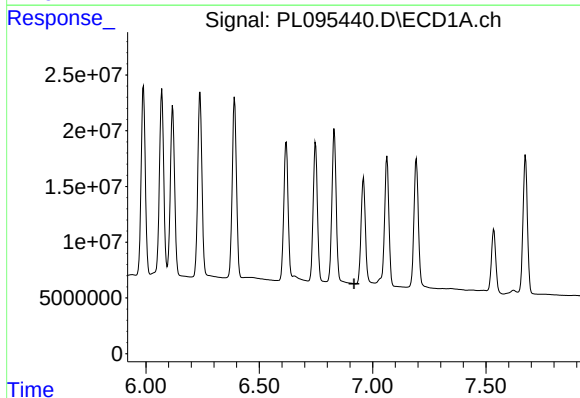
R.T.: 6.070 min
Delta R.T.: -0.009 min
Response: 226480961
Conc: 240.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



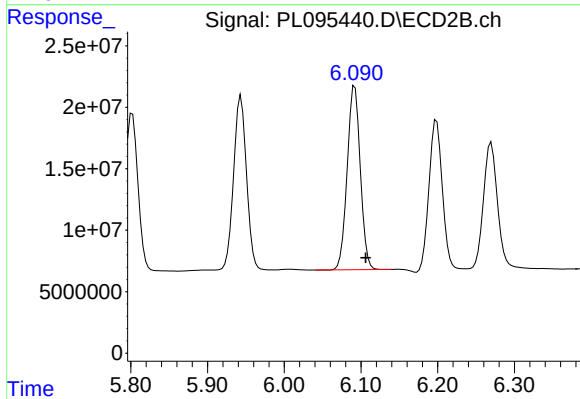
#26 Chlordane-4

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 197750673
Conc: 455.01 ng/ml



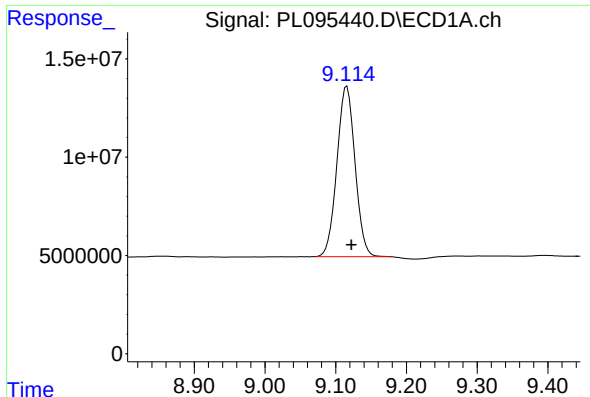
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

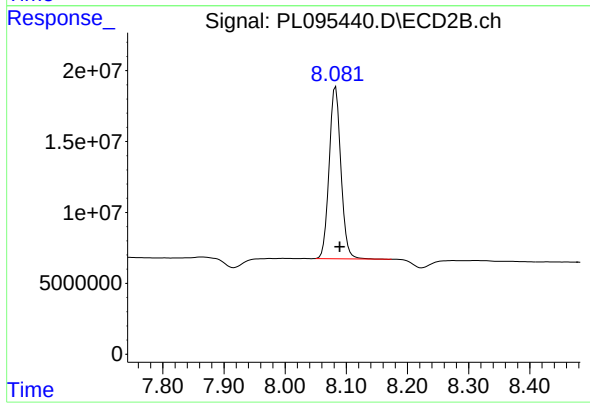
R.T.: 6.092 min
Delta R.T.: -0.014 min
Response: 178680070
Conc: 967.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 154263194
Conc: 55.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.007 min
Response: 161807409
Conc: 54.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095442.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 16:49
 Operator : AR\AJ
 Sample : PB167766BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167766BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	67647608	66214118	20.721	20.824
28)	SA Decachlor...	9.116	8.082	65376502	70362619	23.595	23.777
Target Compounds							
2)	A alpha-BHC	4.044	3.414	257.4E6	238.4E6	51.956	53.588
3)	MA gamma-BHC...	4.375	3.747	248.2E6	232.2E6	52.420	52.793
4)	MA Heptachlor	4.973	4.101	231.7E6	220.5E6	50.642	50.609
5)	MB Aldrin	5.314	4.386	239.4E6	213.1E6	52.116	51.774
6)	B beta-BHC	4.560	4.040	105.7E6	107.4E6	51.131	51.739
7)	B delta-BHC	0.000	4.276	0	232.2E6	N.D.	52.979 #
8)	B Heptachlo...	5.735	4.888	215.0E6	200.7E6	53.681	51.969
9)	A Endosulfan I	6.119	5.262	206.2E6	192.4E6	54.298	52.557
10)	B gamma-Chl...	5.989	5.141	222.0E6	209.5E6	54.432	51.699
11)	B alpha-Chl...	6.070	5.206	220.6E6	206.4E6	54.259	51.835
12)	B 4,4'-DDE	6.239	5.392	213.6E6	209.0E6	54.474	51.377
13)	MA Dieldrin	6.391	5.526	212.5E6	209.1E6	55.121	51.418
14)	MA Endrin	6.619	5.801	166.6E6	177.0E6	52.308	48.618
15)	B Endosulfa...	6.831	6.092	181.8E6	188.8E6	56.955	52.573
16)	A 4,4'-DDD	6.749	5.944	166.2E6	174.9E6	58.709	53.545
17)	MA 4,4'-DDT	7.064	6.198	159.9E6	174.8E6	56.124	50.878
18)	B Endrin al...	6.960	6.270	136.5E6	144.5E6	58.822	55.294
19)	B Endosulfa...	7.193	6.493	154.7E6	175.7E6	55.225	52.952
20)	A Methoxychlor	7.534	6.768	74241669	90721249	53.215	47.562
21)	B Endrin ke...	7.674	6.999	167.6E6	206.5E6	58.776	58.642
22)	Mirex	8.155	7.195	129.1E6	158.9E6	54.348	55.144
24)	Chlordane-2	5.314f	0.000	239.4E6	0	1130.616	N.D. #
25)	Chlordane-3	5.989	5.141	222.0E6	209.5E6	285.067	405.552 #
26)	Chlordane-4	6.070	5.206	220.6E6	206.4E6	233.976	474.807 #
27)	Chlordane-5	0.000	6.092	0	188.8E6	N.D.	1021.961 #

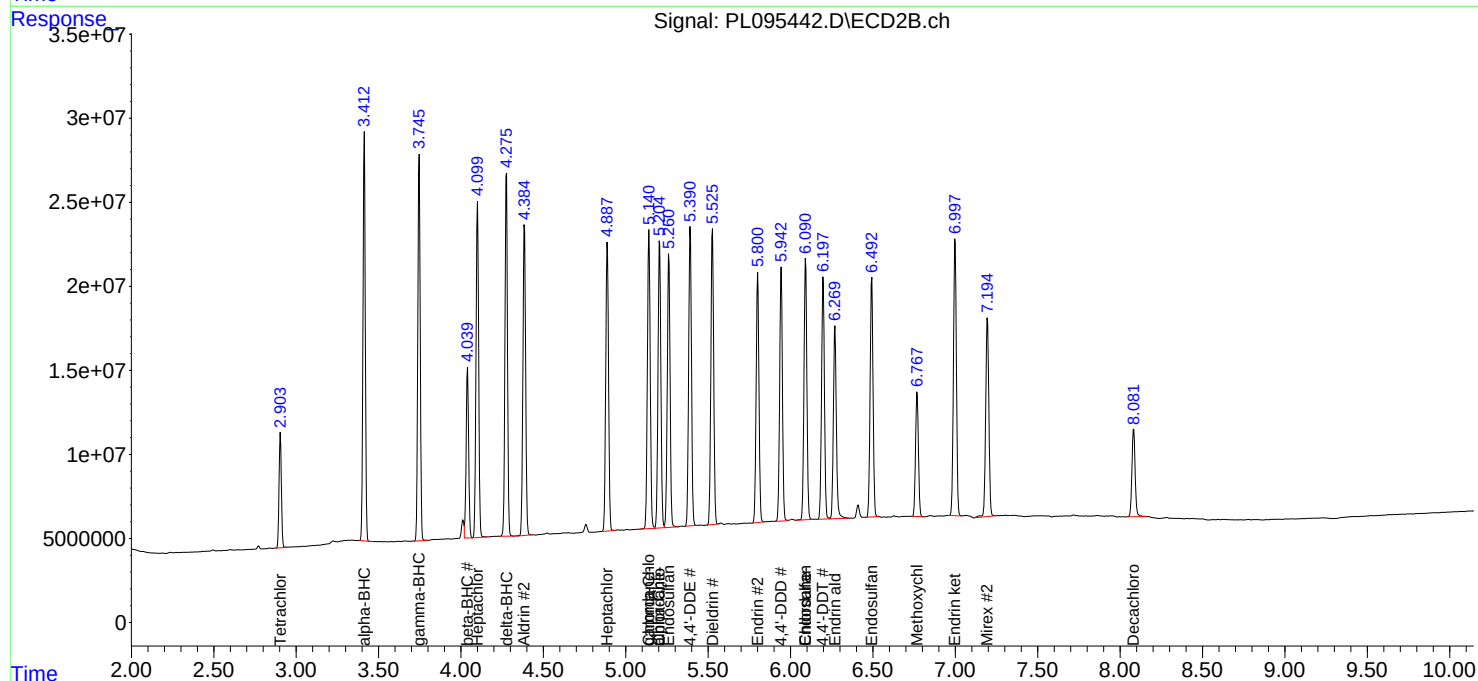
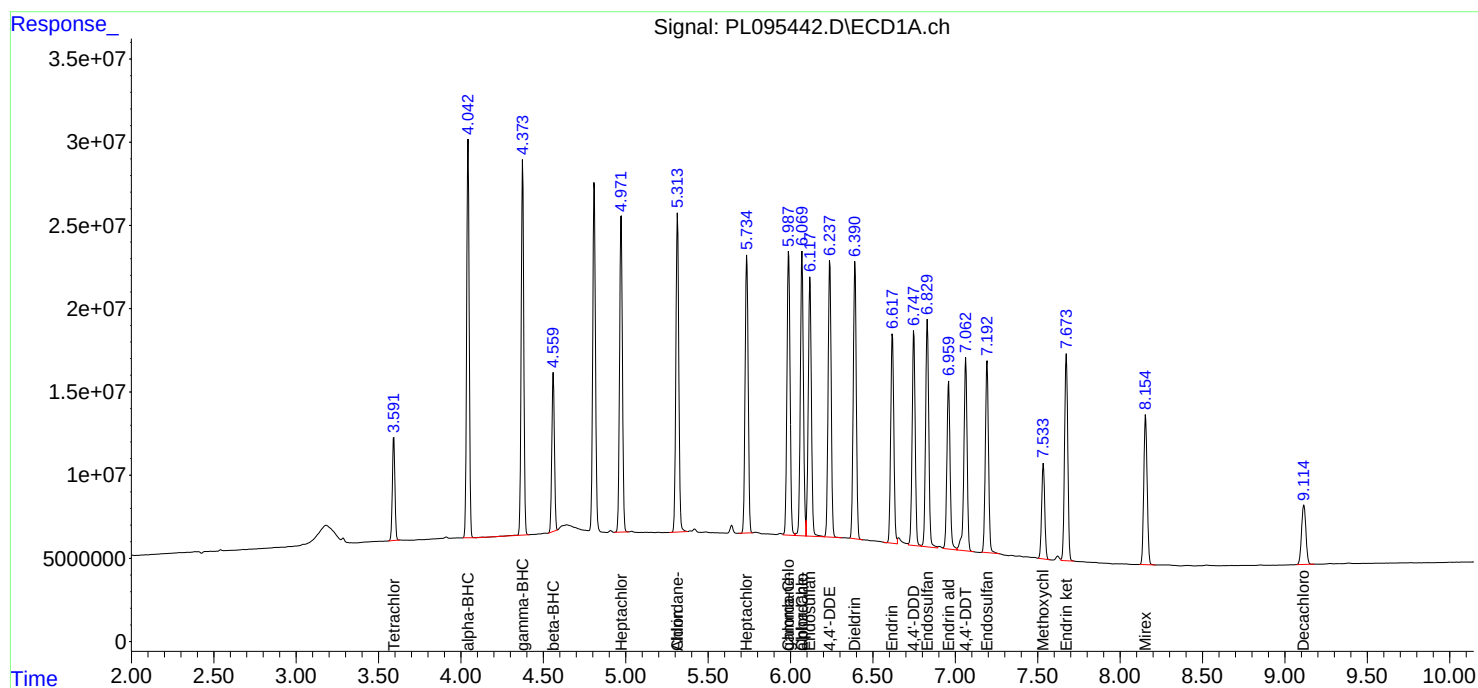
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

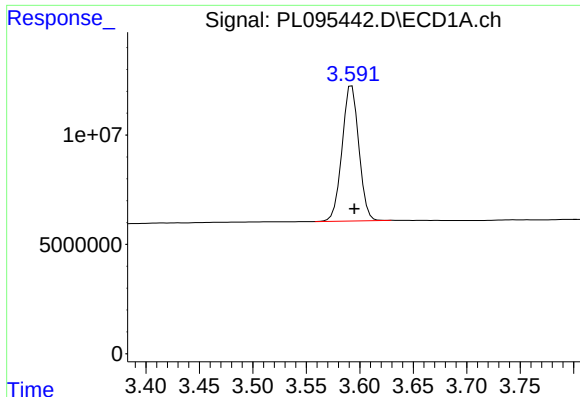
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 16:49
Operator : AR\AJ
Sample : PB167766BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167766BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

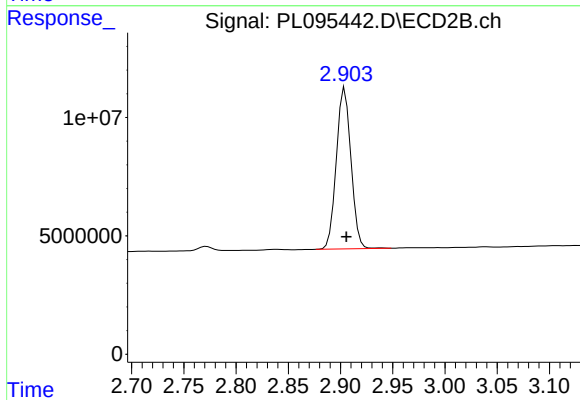




#1 Tetrachloro-m-xylene

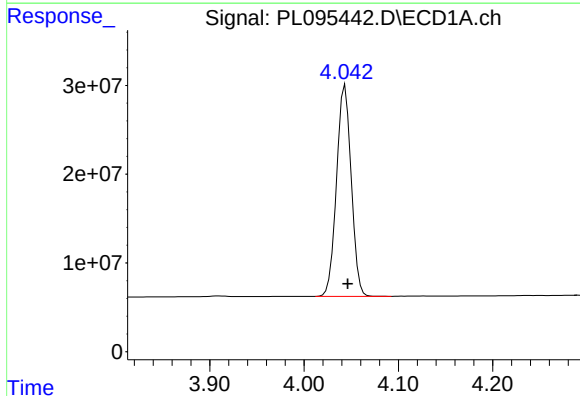
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 67647608
Conc: 20.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



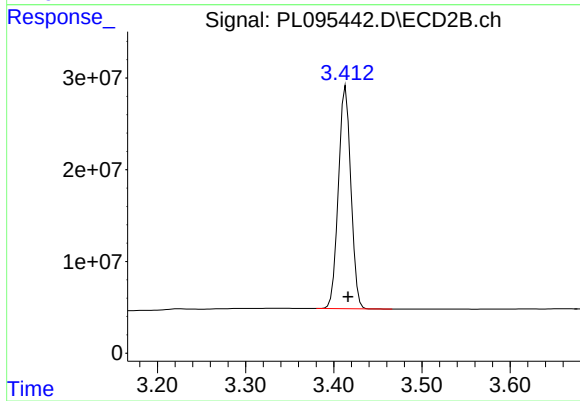
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 66214118
Conc: 20.82 ng/ml



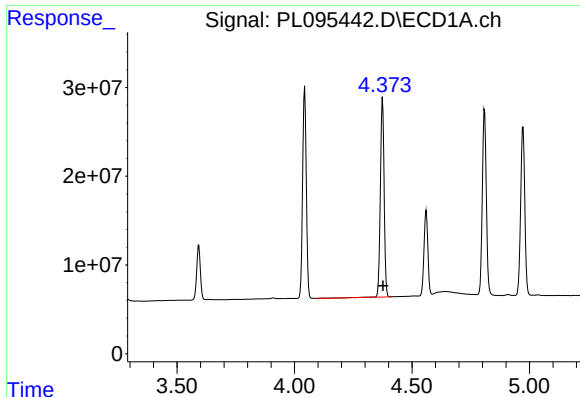
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.003 min
Response: 257378879
Conc: 51.96 ng/ml



#2 alpha-BHC

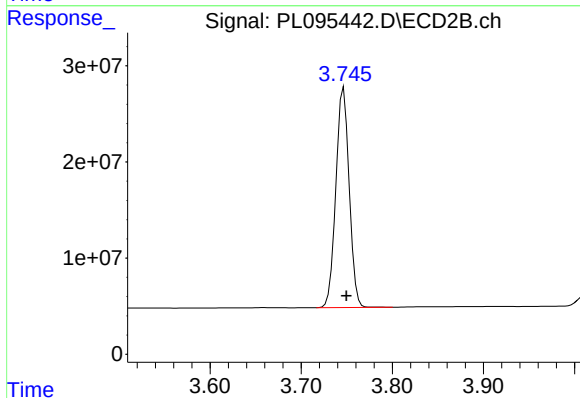
R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 238399408
Conc: 53.59 ng/ml



#3 gamma-BHC (Lindane)

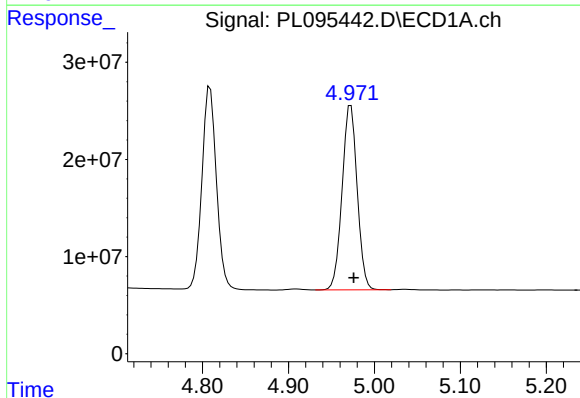
R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 248153106
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



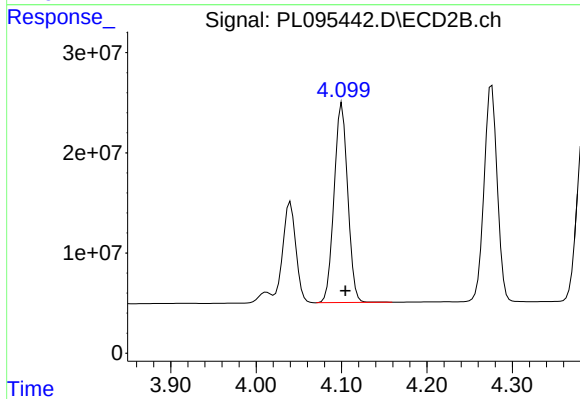
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 232196492
Conc: 52.79 ng/ml



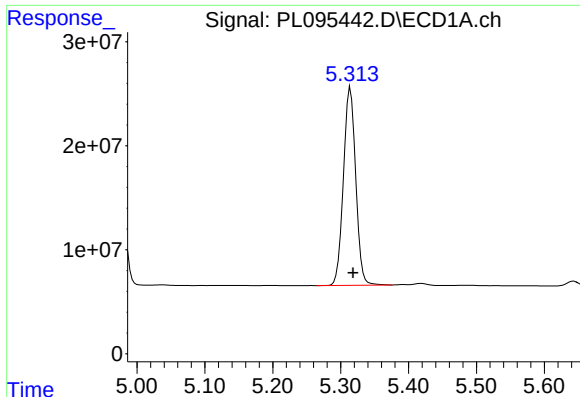
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 231660801
Conc: 50.64 ng/ml



#4 Heptachlor

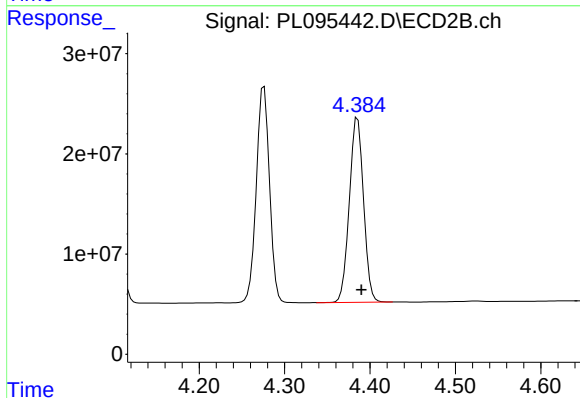
R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 220487445
Conc: 50.61 ng/ml



#5 Aldrin

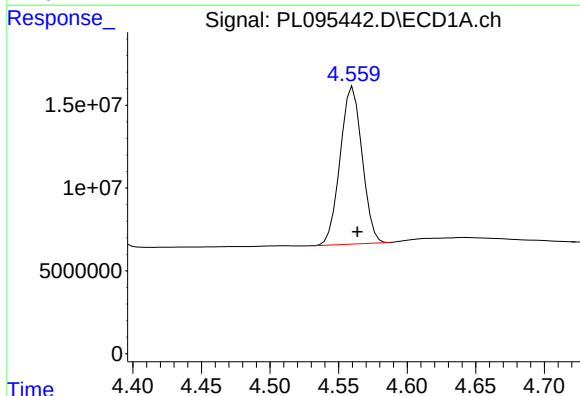
R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 239369244
Conc: 52.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



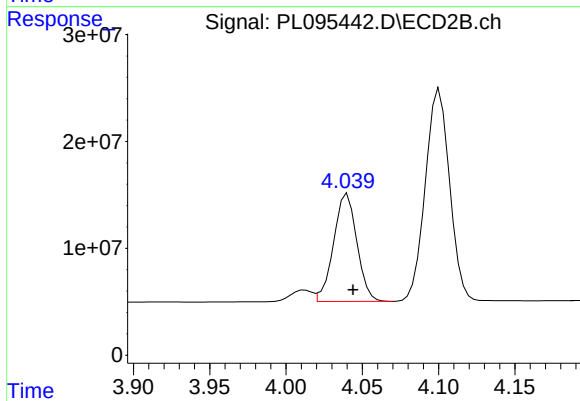
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 213086005
Conc: 51.77 ng/ml



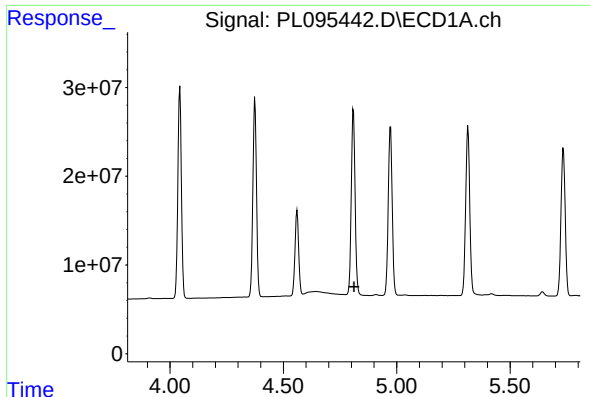
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 105713874
Conc: 51.13 ng/ml



#6 beta-BHC

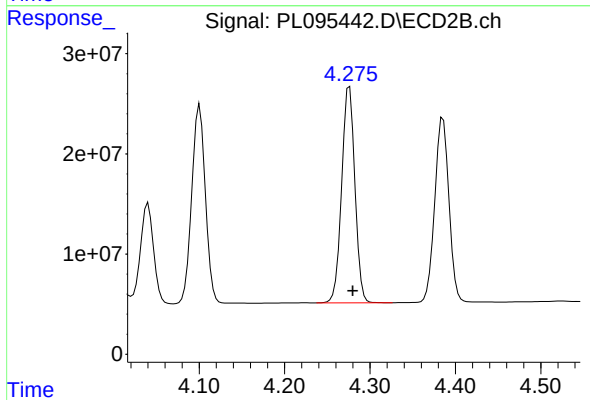
R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 107403202
Conc: 51.74 ng/ml



#7 delta-BHC

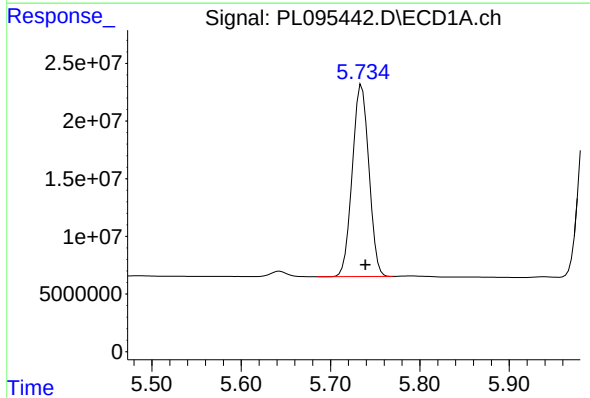
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB167766BS



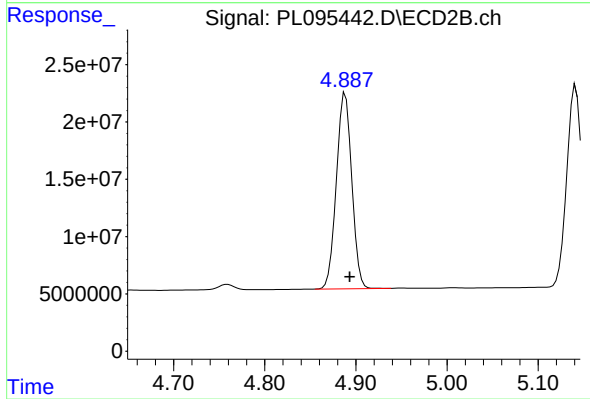
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 232150594
Conc: 52.98 ng/ml



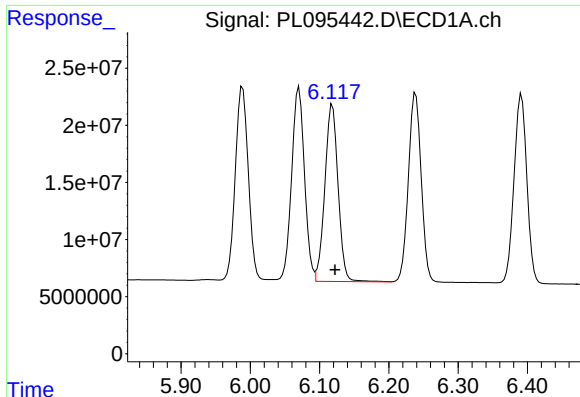
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 214998835
Conc: 53.68 ng/ml



#8 Heptachlor epoxide

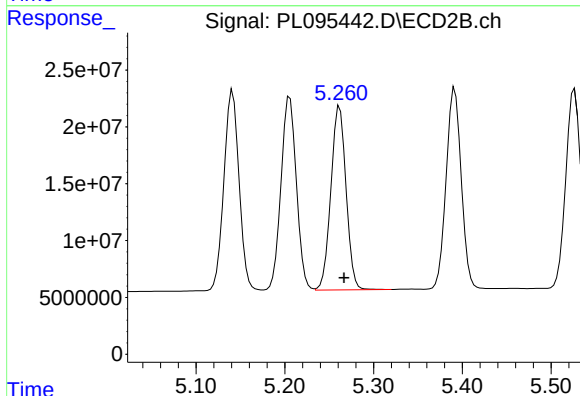
R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 200739473
Conc: 51.97 ng/ml



#9 Endosulfan I

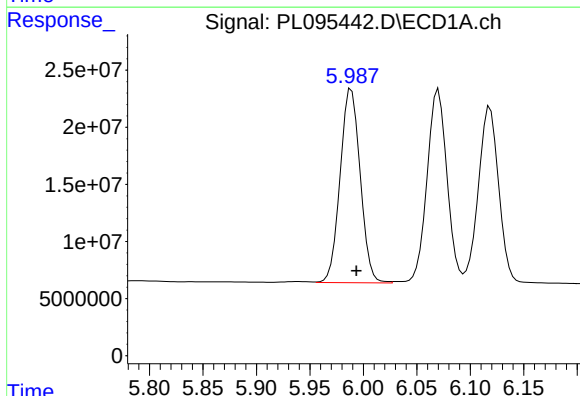
R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 206198191
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



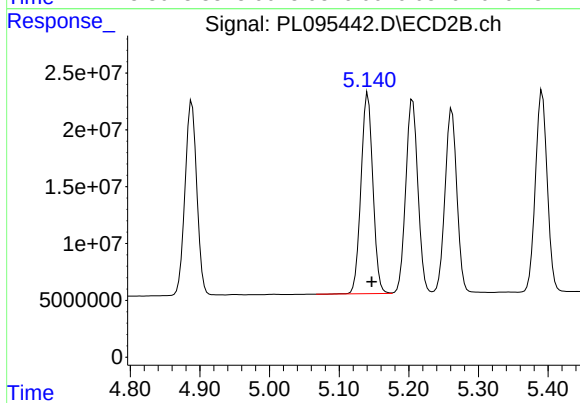
#9 Endosulfan I

R.T.: 5.262 min
Delta R.T.: -0.005 min
Response: 192382261
Conc: 52.56 ng/ml



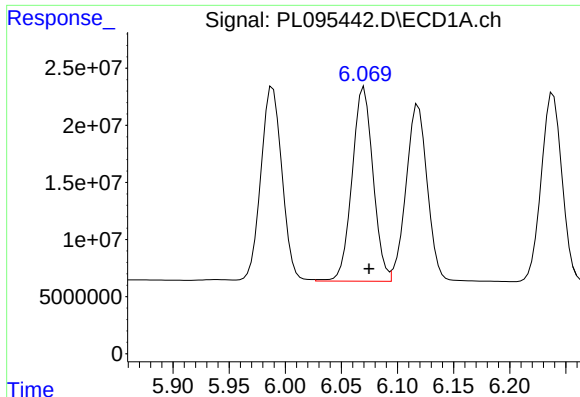
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 222046131
Conc: 54.43 ng/ml



#10 gamma-Chlordane

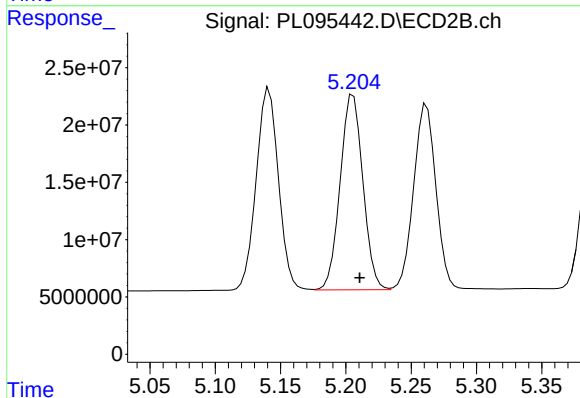
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 209516921
Conc: 51.70 ng/ml



#11 alpha-Chlordane

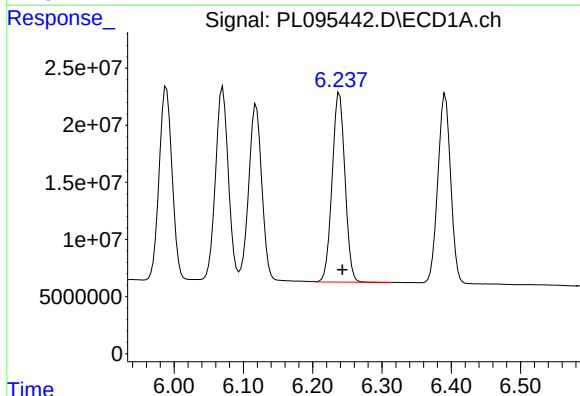
R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 220622387
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



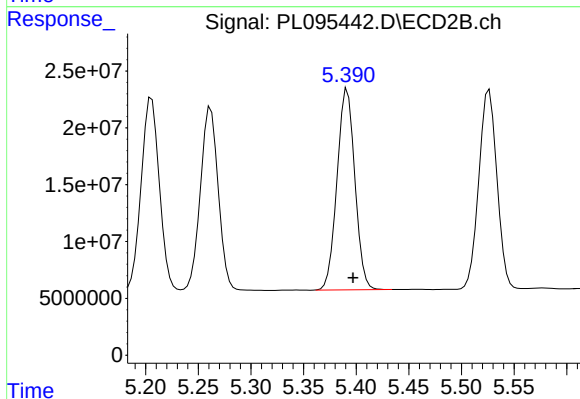
#11 alpha-Chlordane

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 206356726
Conc: 51.83 ng/ml



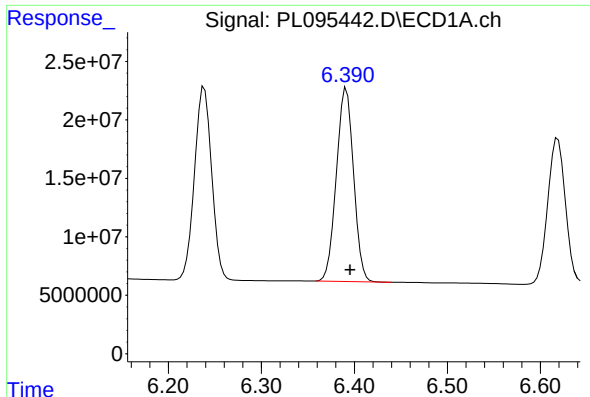
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 213568133
Conc: 54.47 ng/ml



#12 4,4'-DDE

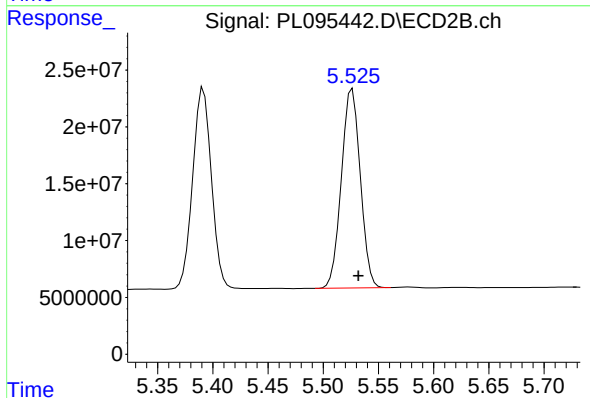
R.T.: 5.392 min
Delta R.T.: -0.005 min
Response: 208950665
Conc: 51.38 ng/ml



#13 Dieldrin

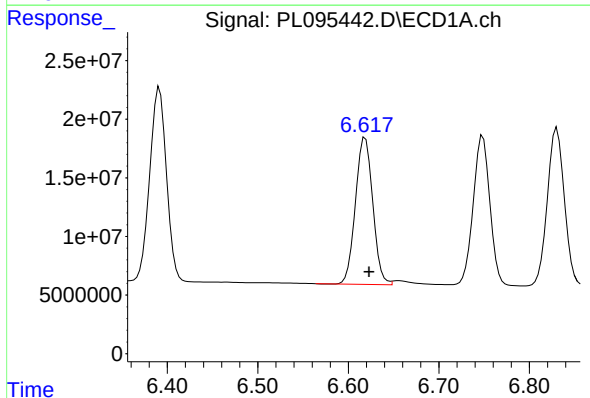
R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 212479933
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



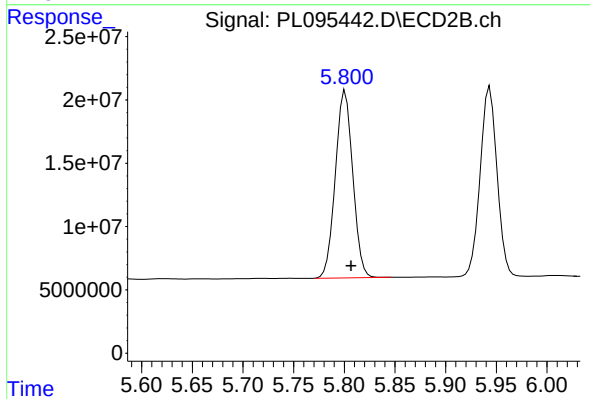
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 209120985
Conc: 51.42 ng/ml



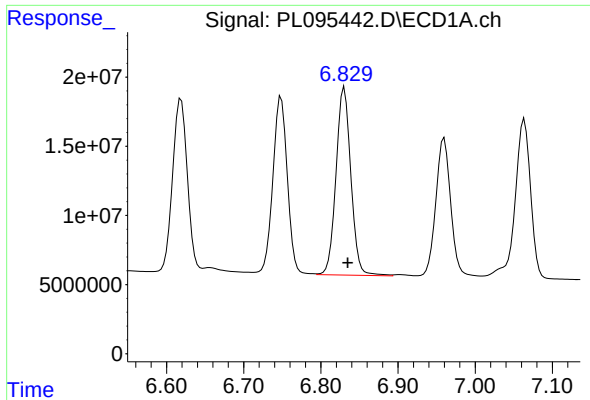
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 166586501
Conc: 52.31 ng/ml



#14 Endrin

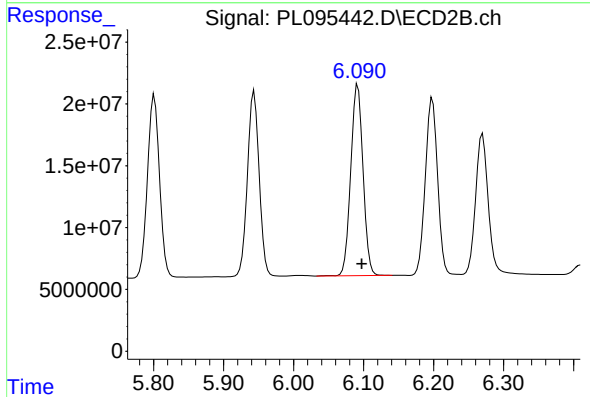
R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 177005235
Conc: 48.62 ng/ml



#15 Endosulfan II

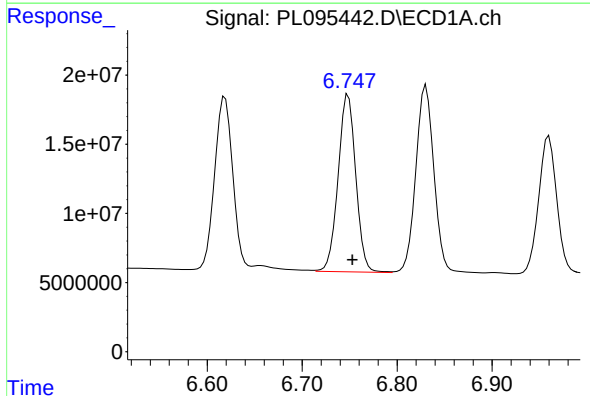
R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 181808175
Conc: 56.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



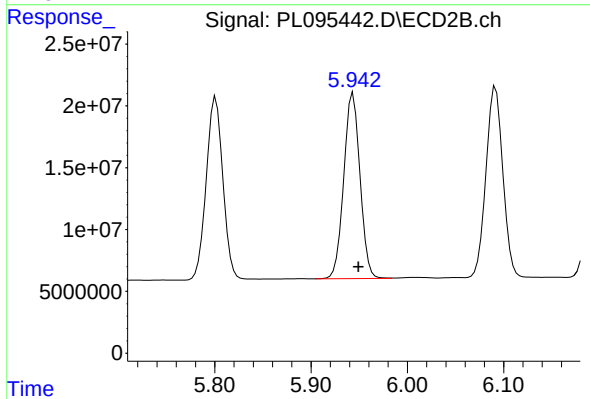
#15 Endosulfan II

R.T.: 6.092 min
Delta R.T.: -0.006 min
Response: 188795863
Conc: 52.57 ng/ml



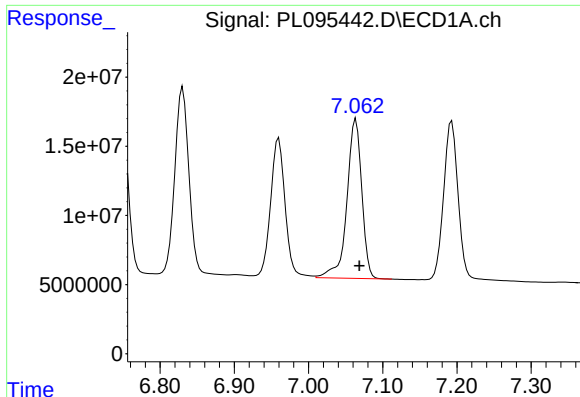
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 166203747
Conc: 58.71 ng/ml



#16 4,4'-DDD

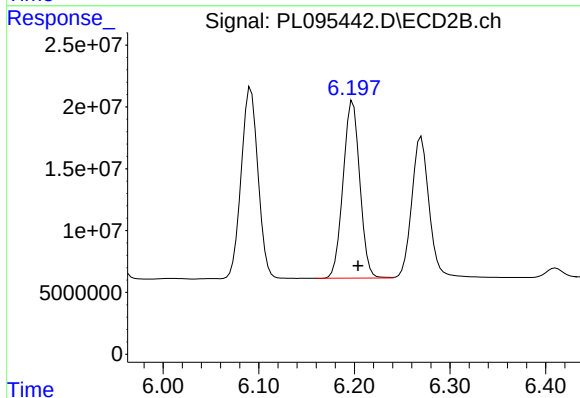
R.T.: 5.944 min
Delta R.T.: -0.006 min
Response: 174922118
Conc: 53.55 ng/ml



#17 4,4'-DDT

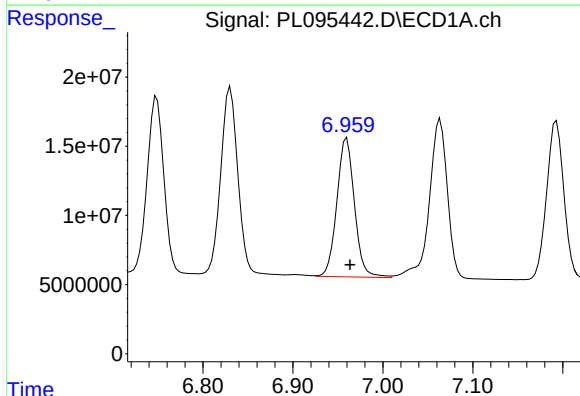
R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 159873682
Conc: 56.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



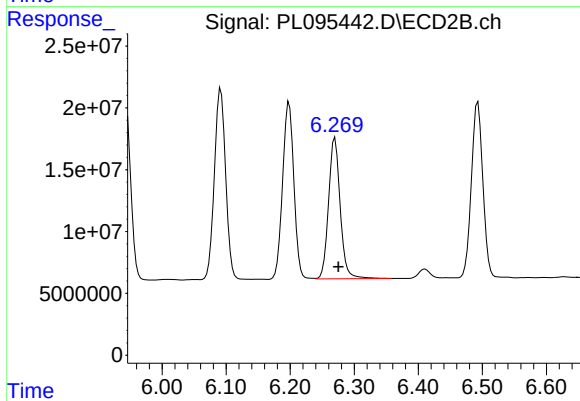
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 174826274
Conc: 50.88 ng/ml



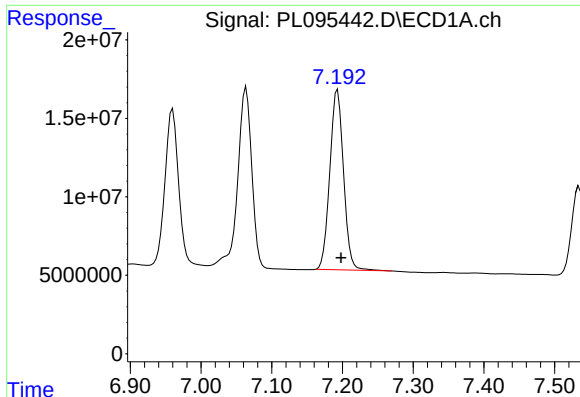
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 136513657
Conc: 58.82 ng/ml



#18 Endrin aldehyde

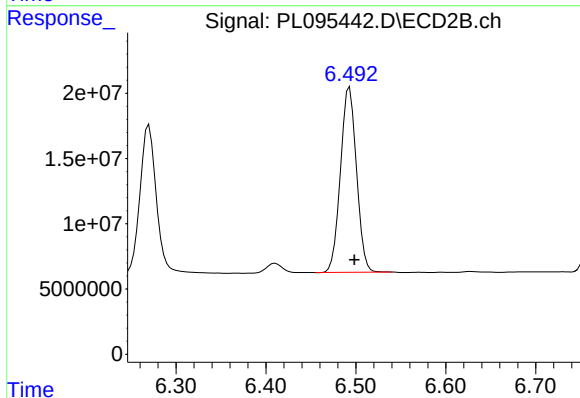
R.T.: 6.270 min
Delta R.T.: -0.005 min
Response: 144491719
Conc: 55.29 ng/ml



#19 Endosulfan Sulfate

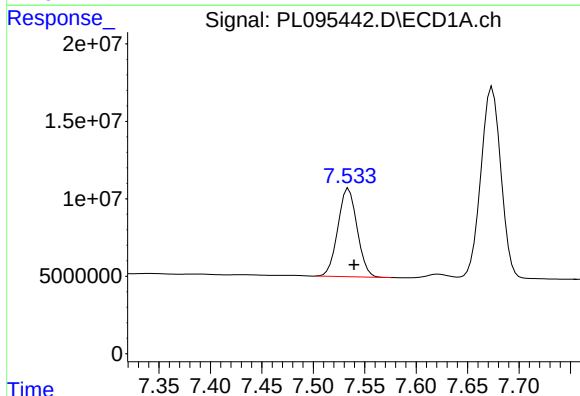
R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 154730202
Conc: 55.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



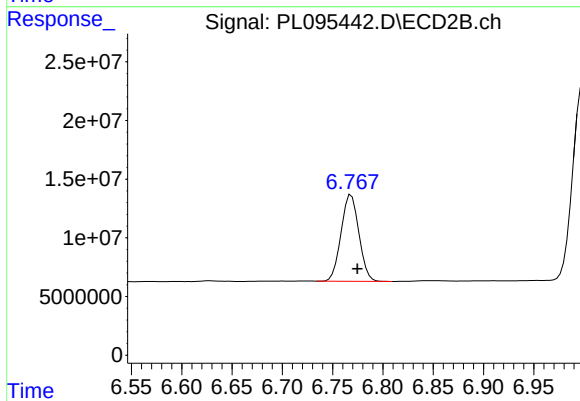
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.005 min
Response: 175690775
Conc: 52.95 ng/ml



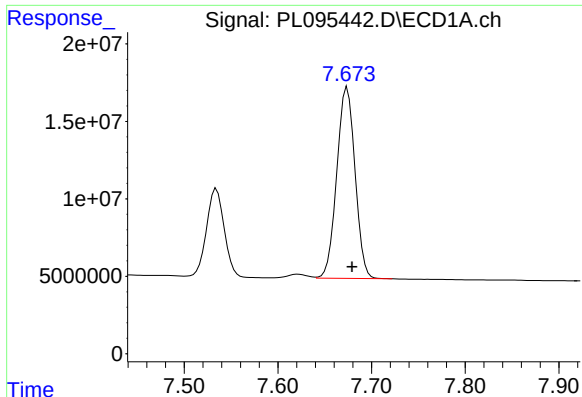
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 74241669
Conc: 53.21 ng/ml



#20 Methoxychlor

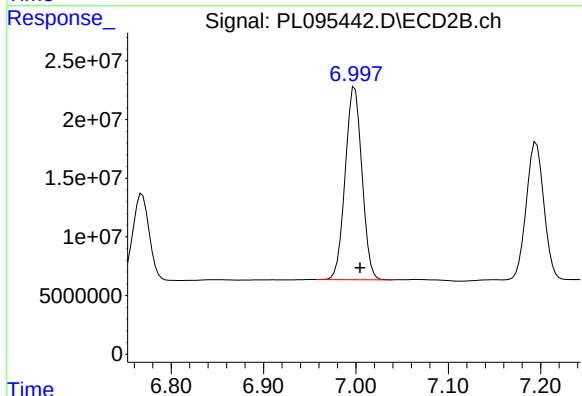
R.T.: 6.768 min
Delta R.T.: -0.006 min
Response: 90721249
Conc: 47.56 ng/ml



#21 Endrin ketone

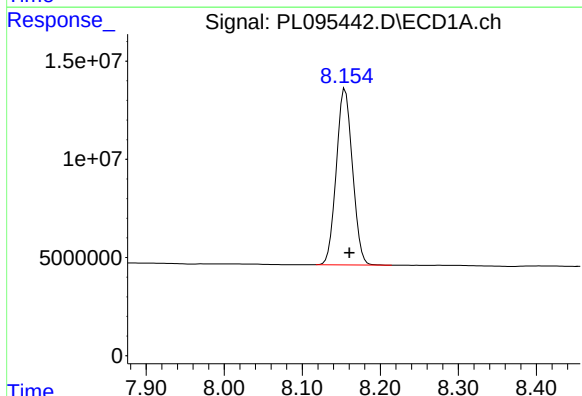
R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 167563426
Conc: 58.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



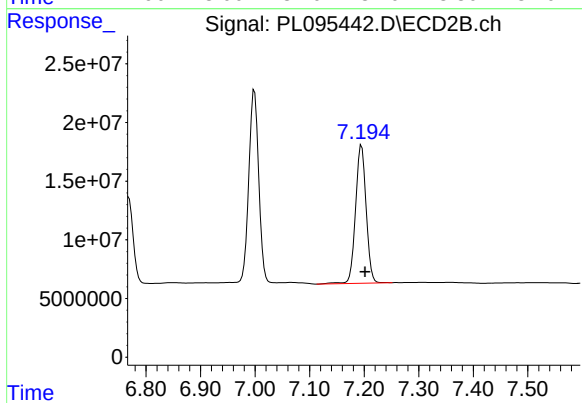
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 206495278
Conc: 58.64 ng/ml



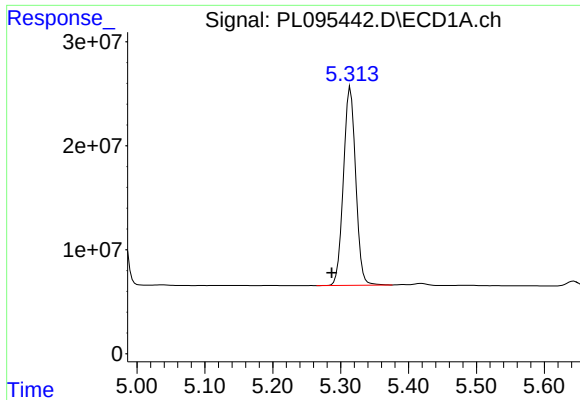
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.006 min
Response: 129133243
Conc: 54.35 ng/ml



#22 Mirex

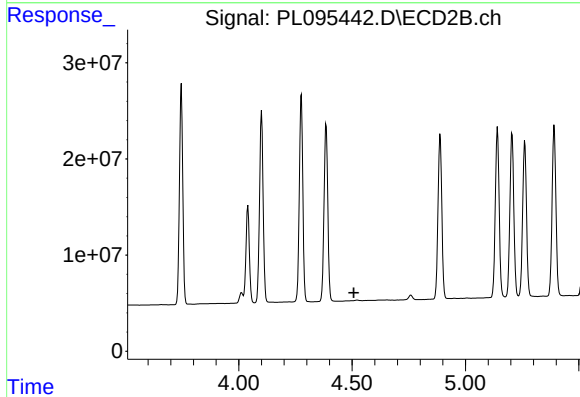
R.T.: 7.195 min
Delta R.T.: -0.006 min
Response: 158946041
Conc: 55.14 ng/ml



#24 Chlordane-2

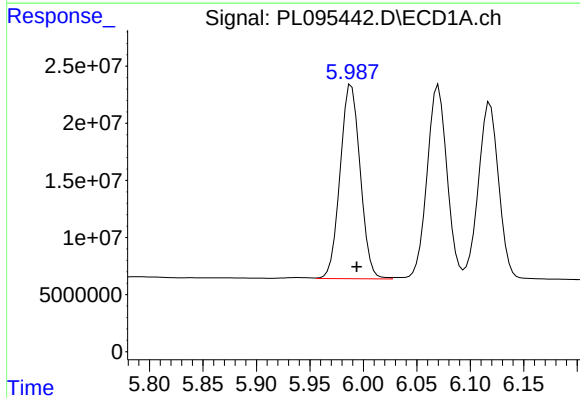
R.T.: 5.314 min
Delta R.T.: 0.027 min
Response: 239369244
Conc: 1130.62 ng/m

Instrument :
ECD_L
ClientSampleId :
PB167766BS



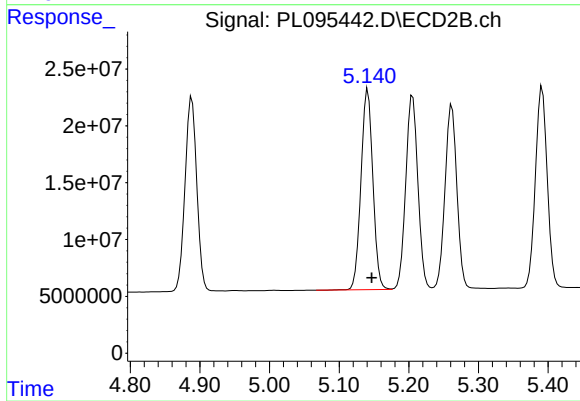
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.508 min
Response: 0
Conc: N.D.



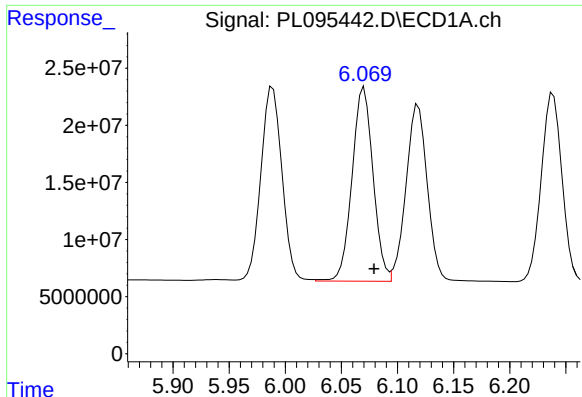
#25 Chlordane-3

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 222046131
Conc: 285.07 ng/ml



#25 Chlordane-3

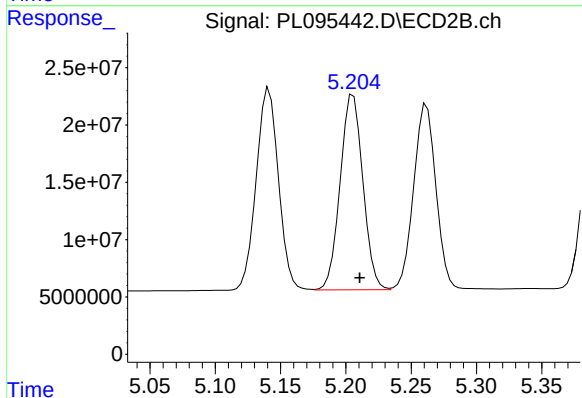
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 209516921
Conc: 405.55 ng/ml



#26 Chlordane-4

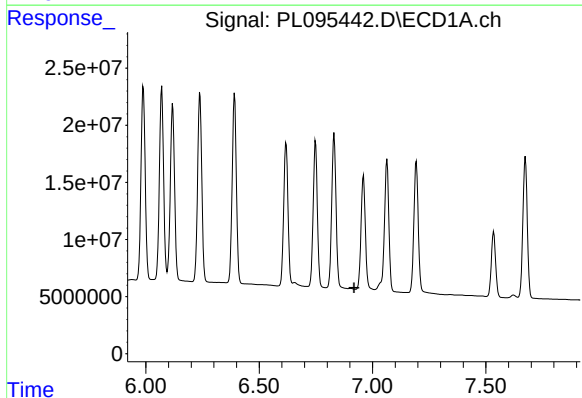
R.T.: 6.070 min
Delta R.T.: -0.009 min
Response: 220622387
Conc: 233.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



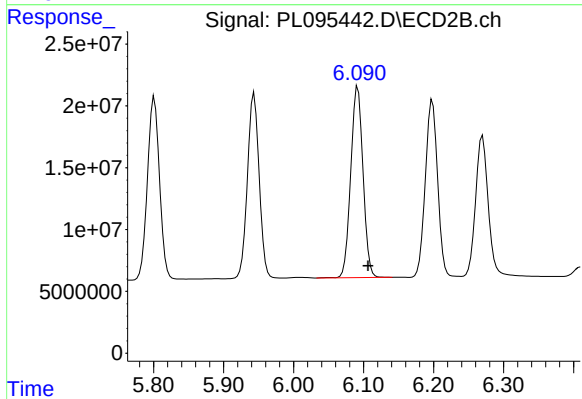
#26 Chlordane-4

R.T.: 5.206 min
Delta R.T.: -0.005 min
Response: 206356726
Conc: 474.81 ng/ml



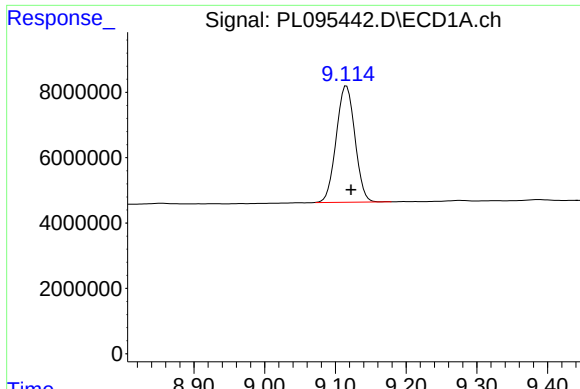
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

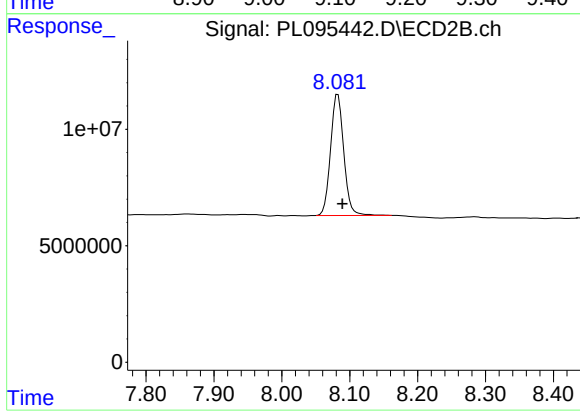
R.T.: 6.092 min
Delta R.T.: -0.015 min
Response: 188795863
Conc: 1021.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.007 min
Response: 65376502
Conc: 23.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167766BS



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 70362619
Conc: 23.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095444.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:22
 Operator : AR\AJ
 Sample : Q1889-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-1MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.904	59045523	58664256	18.086	18.449
28)	SA Decachlor...	9.115	8.082	48789481	53068359	17.608	17.933
Target Compounds							
2)	A alpha-BHC	4.043	3.413	246.4E6	232.2E6	49.731	52.189
3)	MA gamma-BHC...	4.374	3.747	237.2E6	225.1E6	50.099	51.179
4)	MA Heptachlor	4.972	4.100	222.0E6	213.7E6	48.530	49.049
5)	MB Aldrin	5.314	4.386	228.4E6	207.1E6	49.732	50.326
6)	B beta-BHC	4.560	4.040	100.8E6	105.7E6	48.744	50.919
7)	B delta-BHC	0.000	4.276	0	222.9E6	N.D.	50.876 #
8)	B Heptachlo...	5.735	4.888	204.8E6	193.1E6	51.141	49.986
9)	A Endosulfan I	6.117	5.261	197.6E6	184.7E6	52.026	50.470
10)	B gamma-Chl...	5.989	5.141	213.4E6	202.3E6	52.305	49.910
11)	B alpha-Chl...	6.070	5.205	210.1E6	199.1E6	51.676	50.023
12)	B 4,4'-DDE	6.238	5.391	204.5E6	201.5E6	52.160	49.548
13)	MA Dieldrin	6.391	5.526	202.9E6	200.6E6	52.642	49.313
14)	MA Endrin	6.618	5.801	167.3E6	176.4E6	52.522	48.465
15)	B Endosulfa...	6.830	6.091	174.4E6	185.3E6	54.630	51.603
16)	A 4,4'-DDD	6.748	5.943	162.0E6	164.7E6	57.240	50.418
17)	MA 4,4'-DDT	7.063	6.198	150.1E6	168.1E6	52.684	48.909
18)	B Endrin al...	6.960	6.269	123.4E6	131.5E6	53.168	50.311
19)	B Endosulfa...	7.193	6.493	149.2E6	164.0E6	53.264	49.433
20)	A Methoxychlor	7.535	6.768	70476694	90353671	50.516	47.369
21)	B Endrin ke...	7.674	6.998	154.8E6	198.0E6	54.283	56.235
22)	Mirex	8.155	7.194	125.3E6	155.5E6	52.733	53.939
24)	Chlordane-2	5.314f	0.000	228.4E6	0	1078.903	N.D. #
25)	Chlordane-3	5.989	5.141	213.4E6	202.3E6	273.928	391.524 #
26)	Chlordane-4	6.070	5.205	210.1E6	199.1E6	222.836	458.213 #
27)	Chlordane-5	0.000	6.091	0	185.3E6	N.D.	1003.108 #

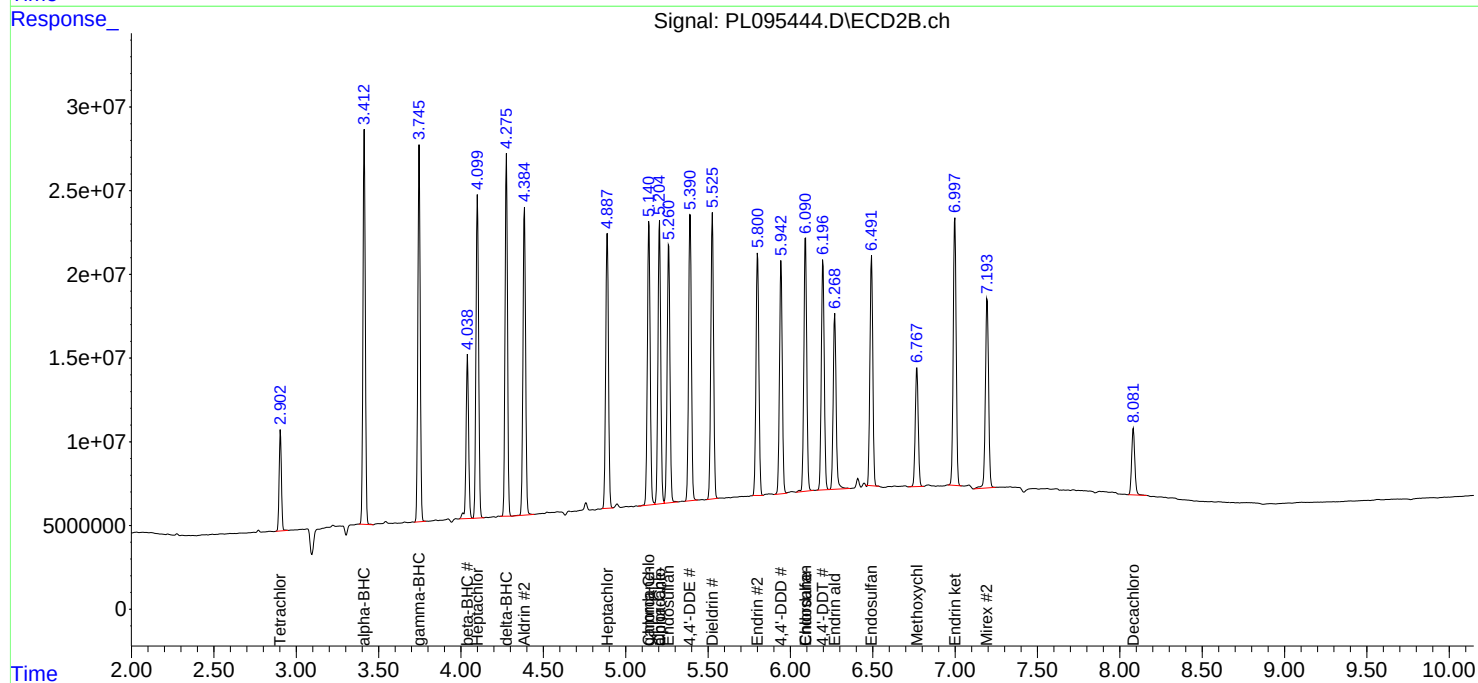
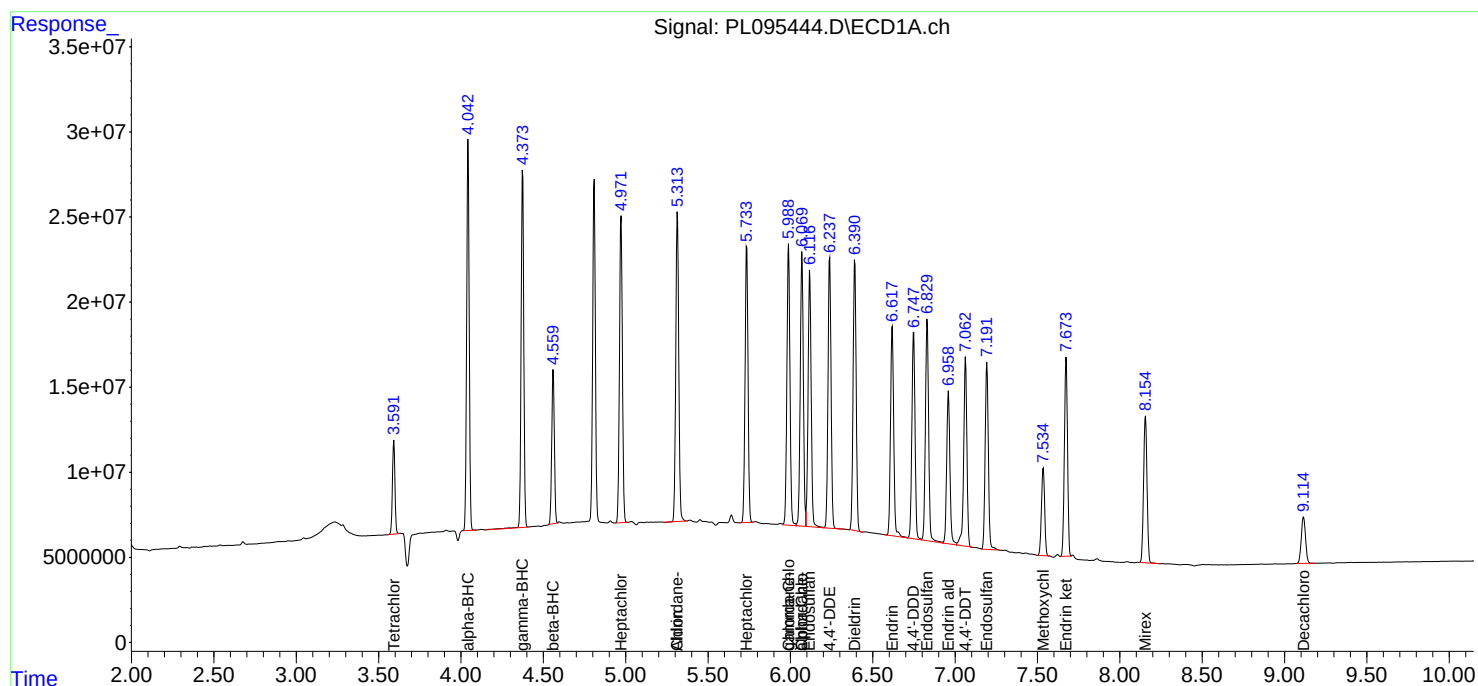
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

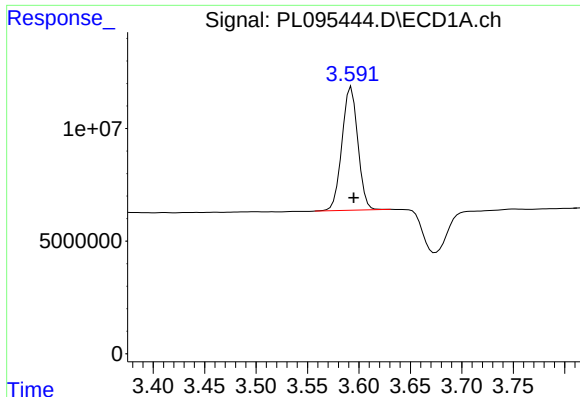
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:22
Operator : AR\AJ
Sample : Q1889-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
COMP-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

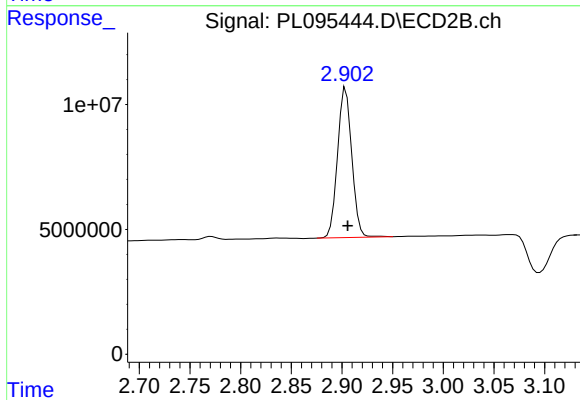




#1 Tetrachloro-m-xylene

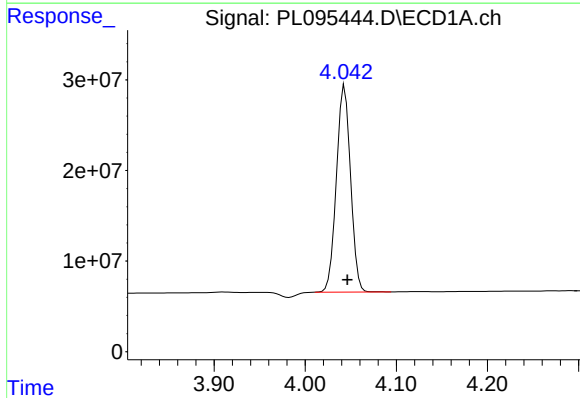
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 59045523
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



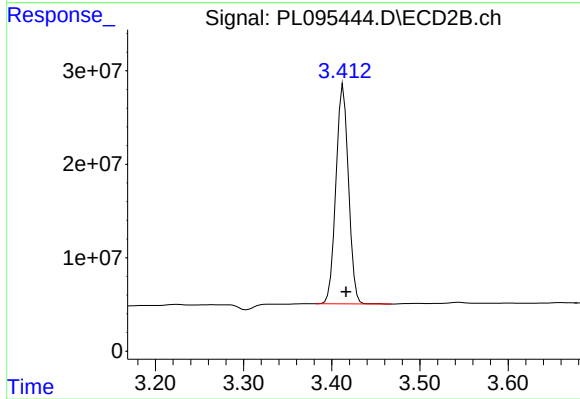
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 58664256
Conc: 18.45 ng/ml



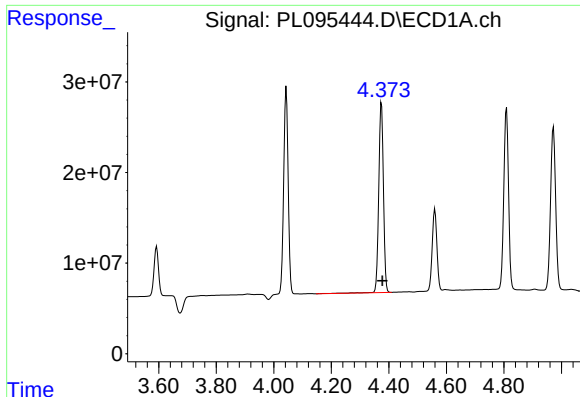
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 246353848
Conc: 49.73 ng/ml



#2 alpha-BHC

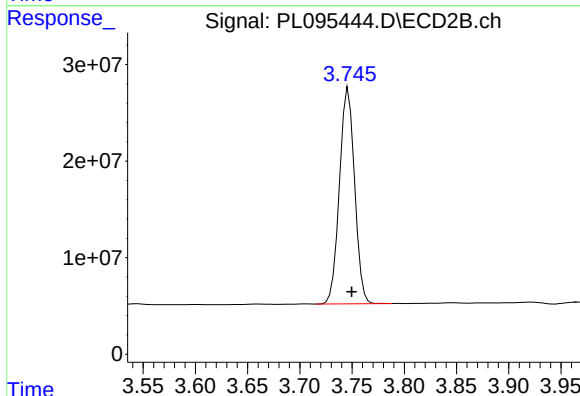
R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 232176269
Conc: 52.19 ng/ml



#3 gamma-BHC (Lindane)

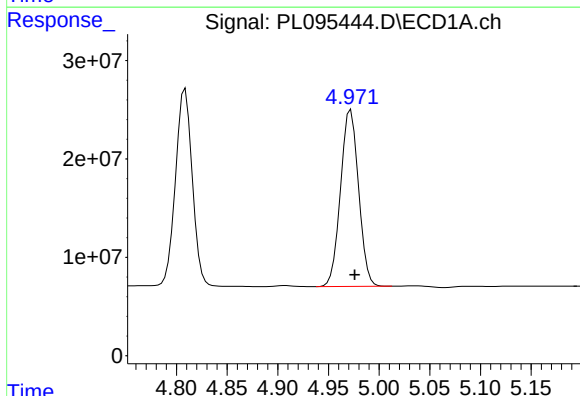
R.T.: 4.374 min
Delta R.T.: -0.003 min
Response: 237166328
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



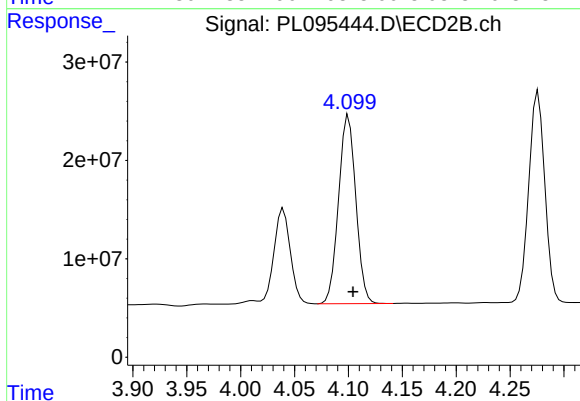
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 225096372
Conc: 51.18 ng/ml



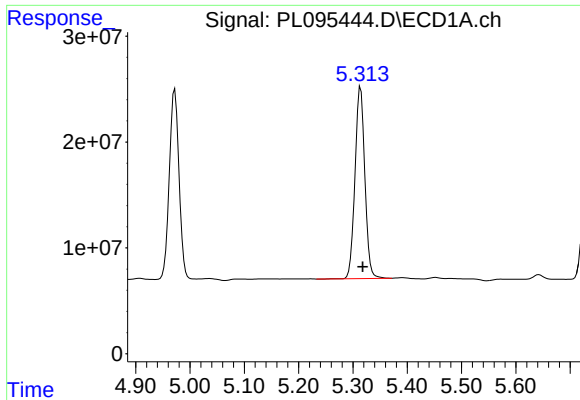
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 221999339
Conc: 48.53 ng/ml



#4 Heptachlor

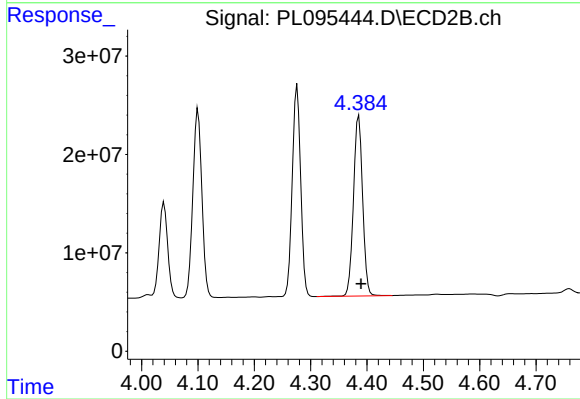
R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 213690746
Conc: 49.05 ng/ml



#5 Aldrin

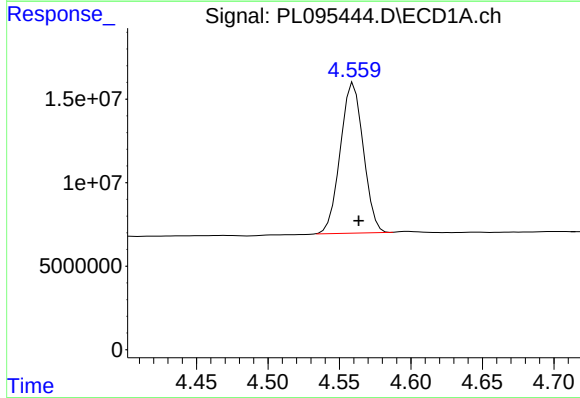
R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 228420785
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



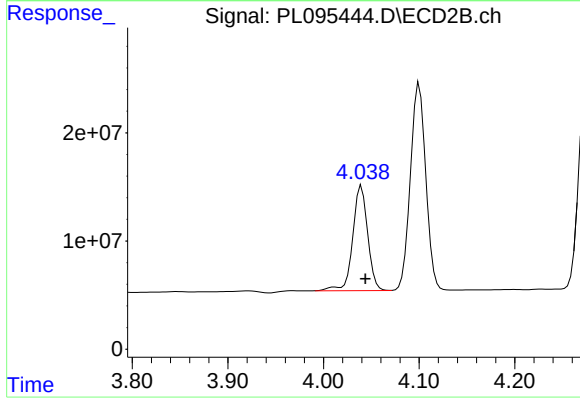
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 207127485
Conc: 50.33 ng/ml



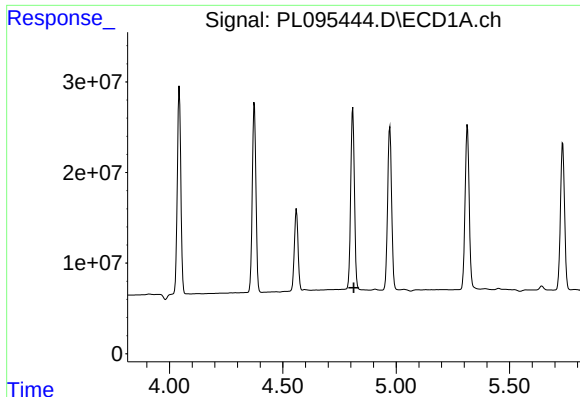
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 100778322
Conc: 48.74 ng/ml



#6 beta-BHC

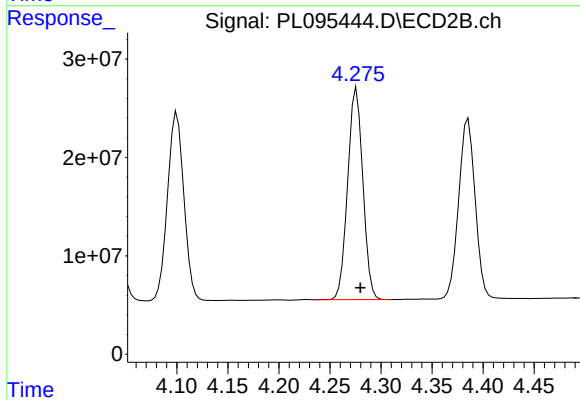
R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 105700809
Conc: 50.92 ng/ml



#7 delta-BHC

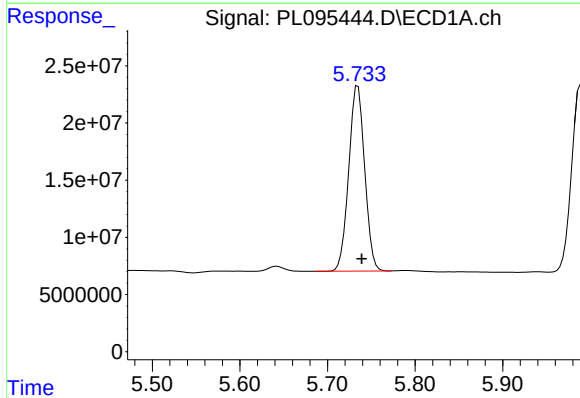
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



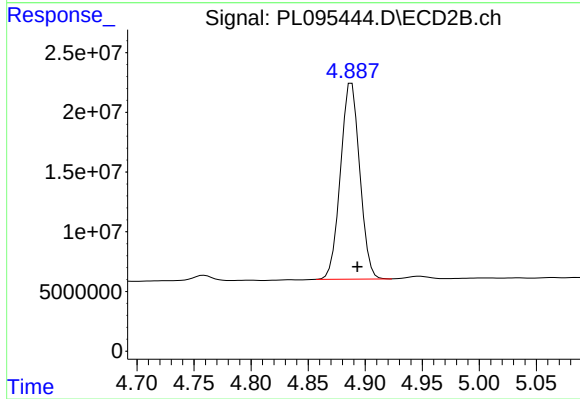
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 222937632
Conc: 50.88 ng/ml



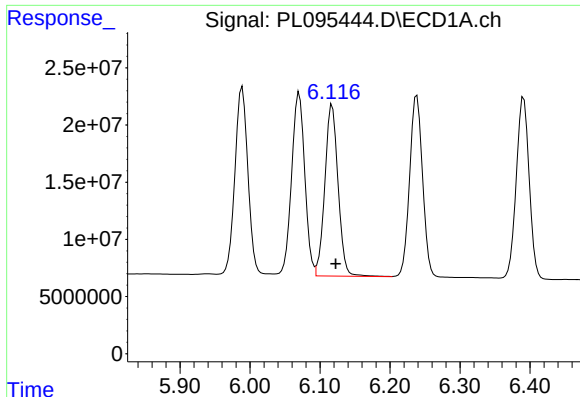
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 204828759
Conc: 51.14 ng/ml



#8 Heptachlor epoxide

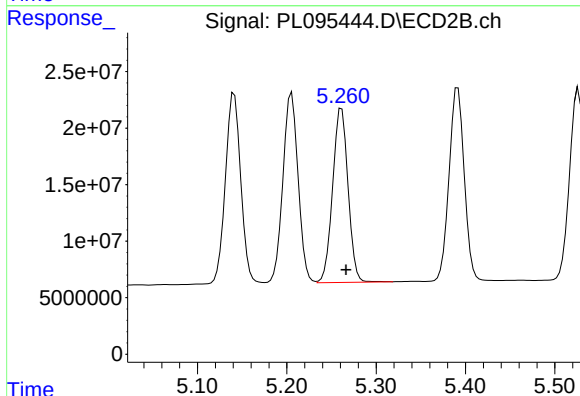
R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 193077876
Conc: 49.99 ng/ml



#9 Endosulfan I

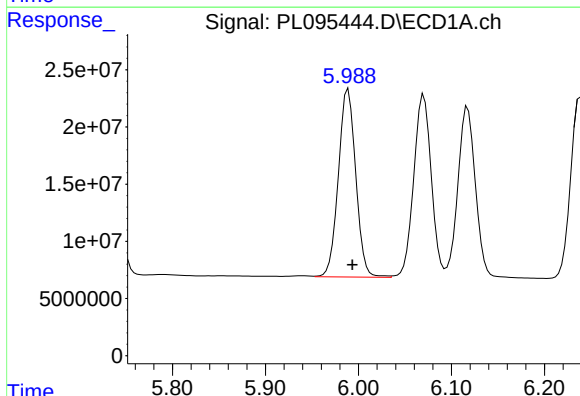
R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 197567431
Conc: 52.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



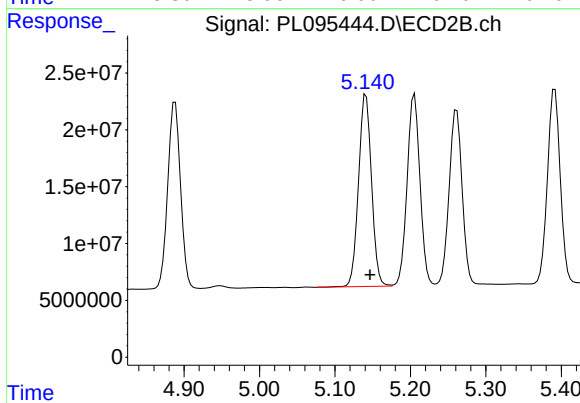
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.005 min
Response: 184742608
Conc: 50.47 ng/ml



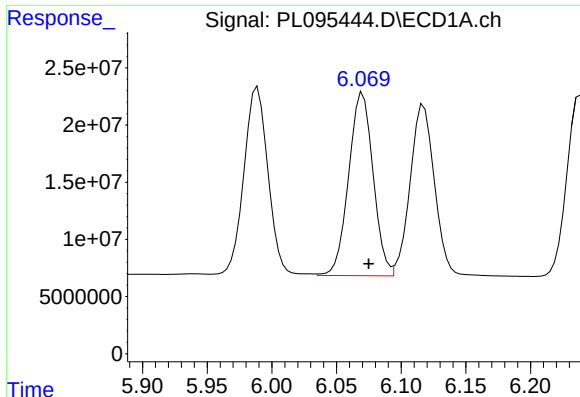
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 213369924
Conc: 52.30 ng/ml



#10 gamma-Chlordane

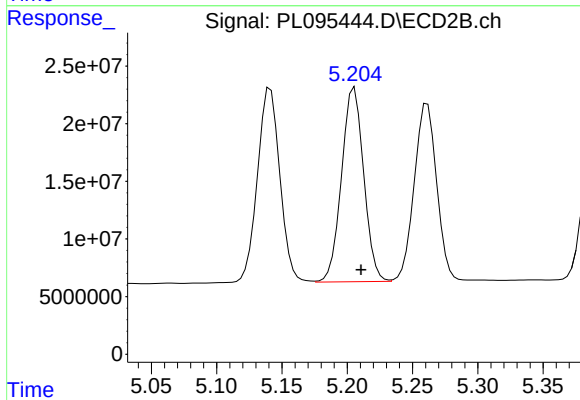
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 202269991
Conc: 49.91 ng/ml



#11 alpha-Chlordane

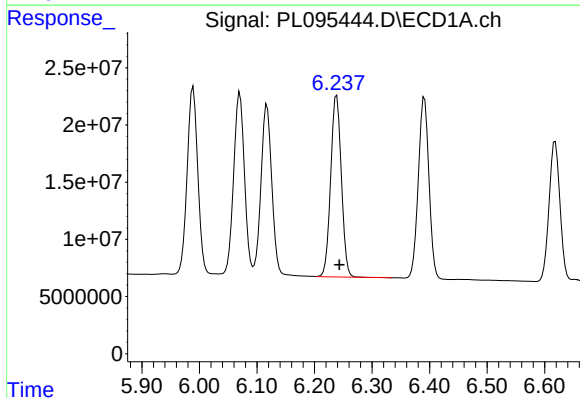
R.T.: 6.070 min
Delta R.T.: -0.004 min
Response: 210118144
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



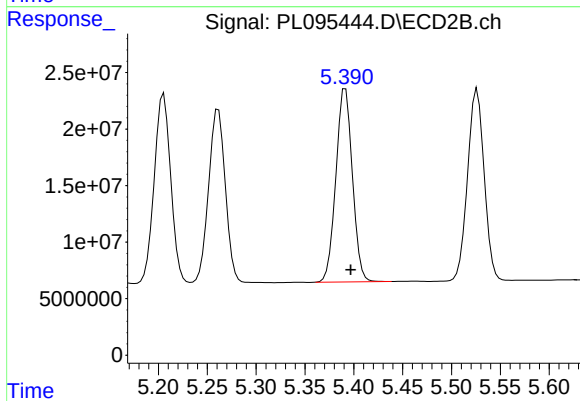
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 199144814
Conc: 50.02 ng/ml



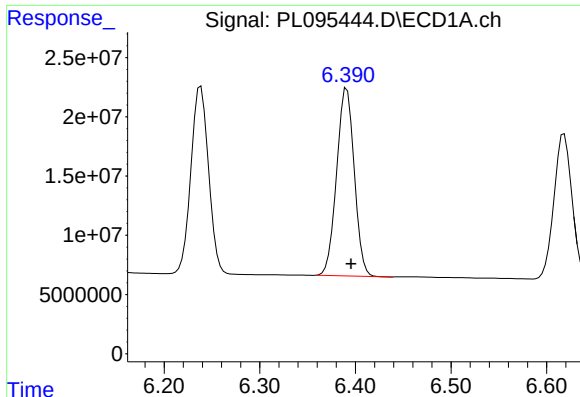
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 204496016
Conc: 52.16 ng/ml



#12 4,4'-DDE

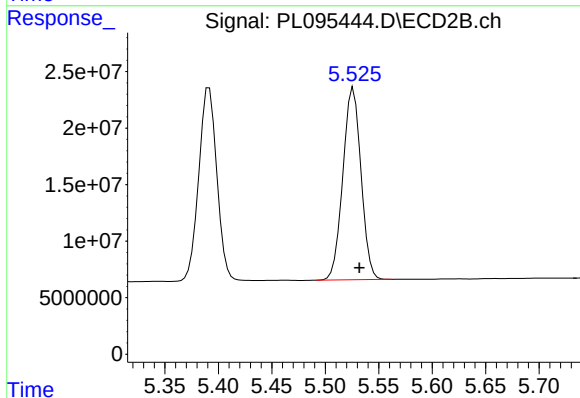
R.T.: 5.391 min
Delta R.T.: -0.005 min
Response: 201510459
Conc: 49.55 ng/ml



#13 Dieldrin

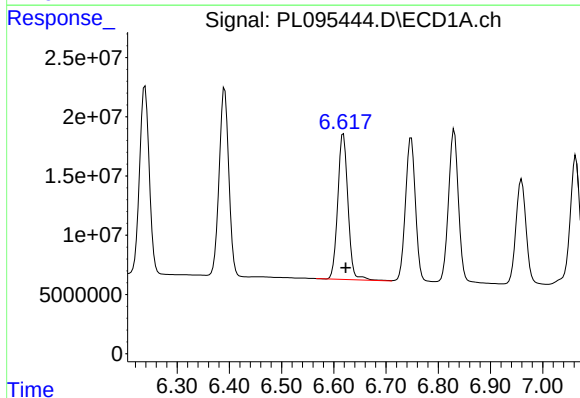
R.T.: 6.391 min
Delta R.T.: -0.004 min
Response: 202923413
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



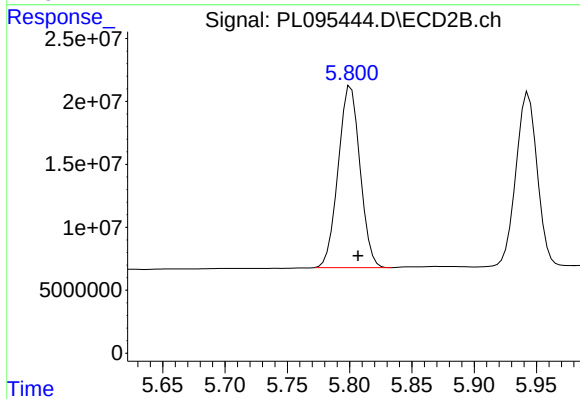
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.005 min
Response: 200559713
Conc: 49.31 ng/ml



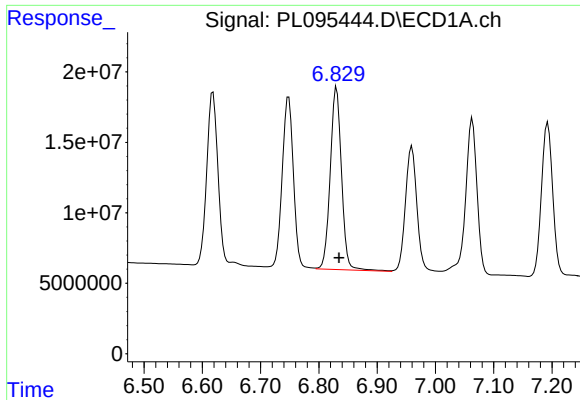
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 167268050
Conc: 52.52 ng/ml



#14 Endrin

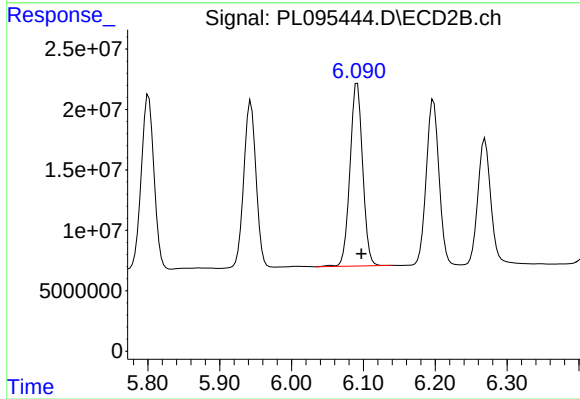
R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 176447243
Conc: 48.46 ng/ml



#15 Endosulfan II

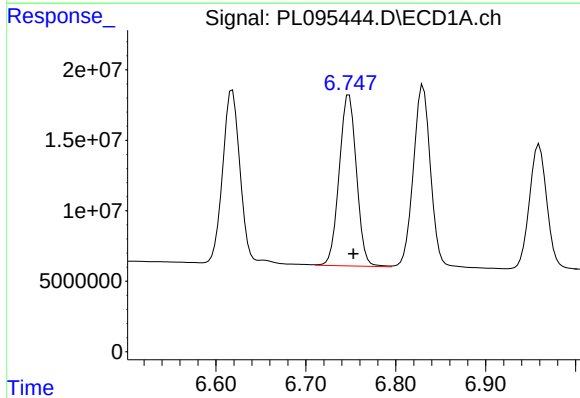
R.T.: 6.830 min
Delta R.T.: -0.004 min
Response: 174387772
Conc: 54.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



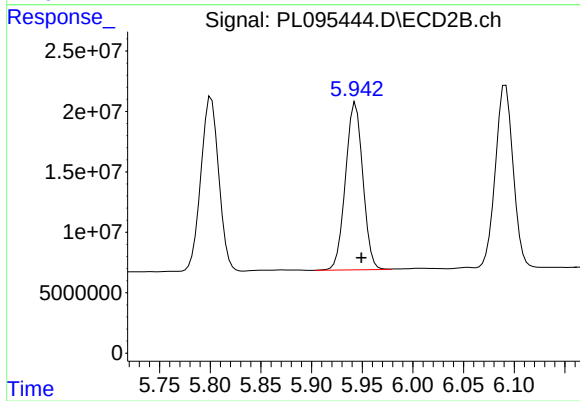
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 185313045
Conc: 51.60 ng/ml



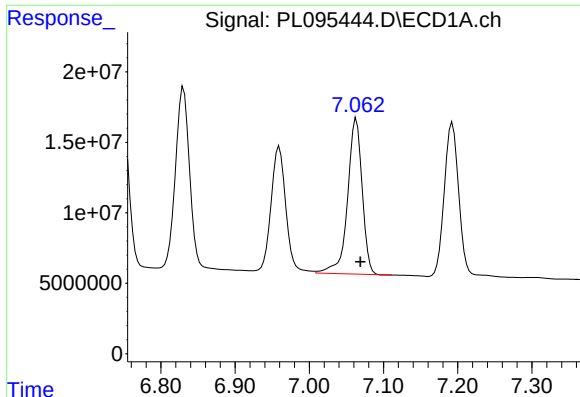
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 162043381
Conc: 57.24 ng/ml



#16 4,4'-DDD

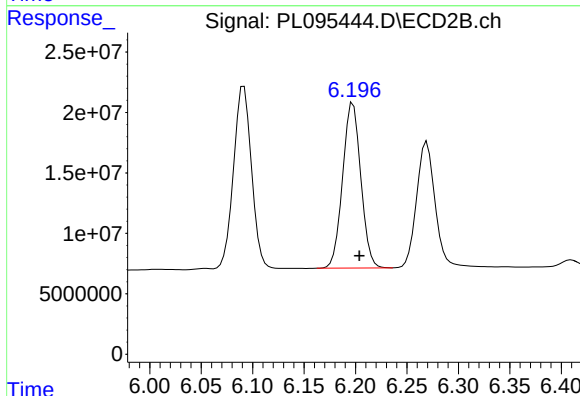
R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 164705892
Conc: 50.42 ng/ml



#17 4,4'-DDT

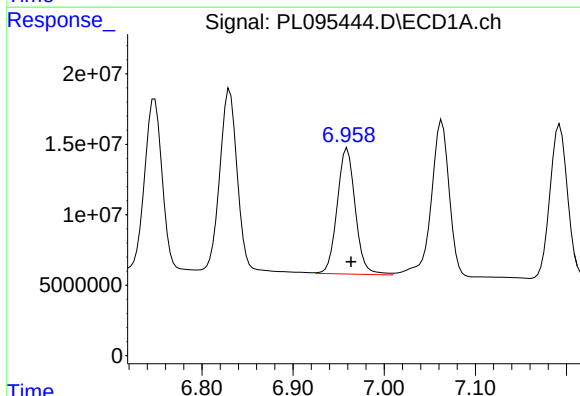
R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 150074347
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



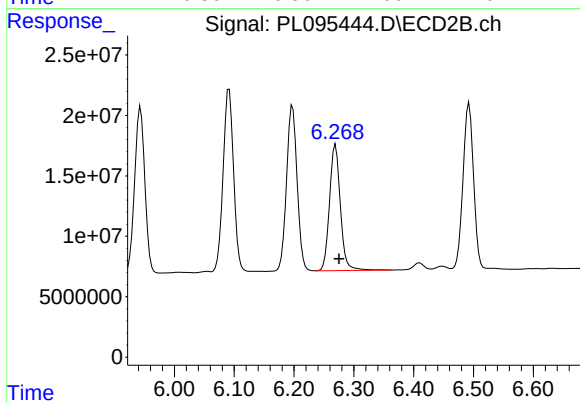
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.006 min
Response: 168061473
Conc: 48.91 ng/ml



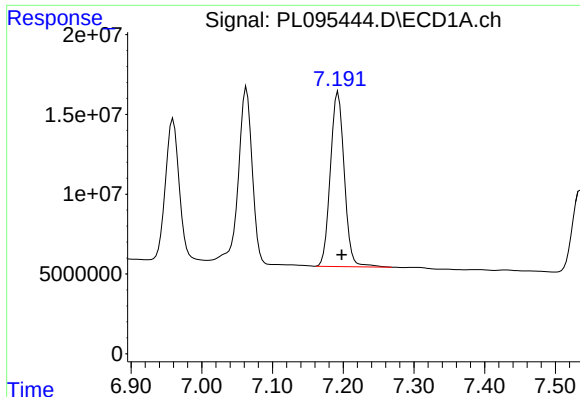
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 123392865
Conc: 53.17 ng/ml



#18 Endrin aldehyde

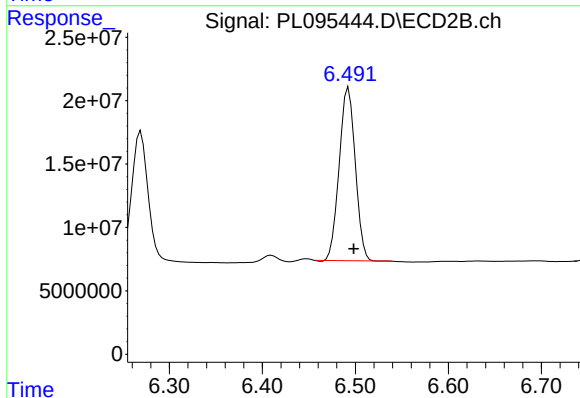
R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 131471183
Conc: 50.31 ng/ml



#19 Endosulfan Sulfate

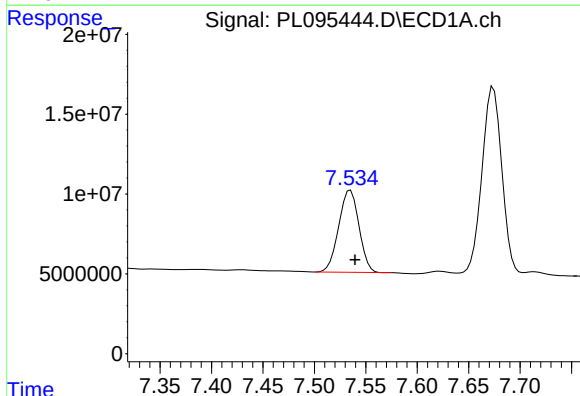
R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 149235960
Conc: 53.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



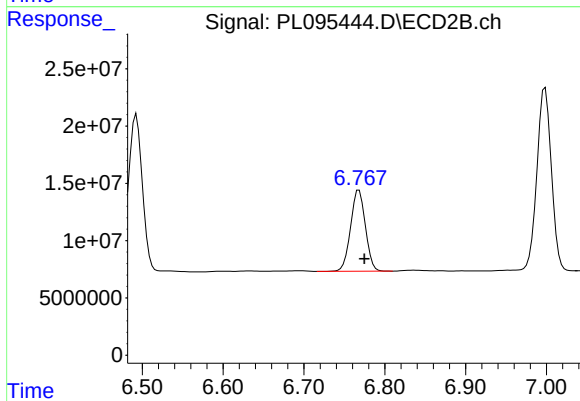
#19 Endosulfan Sulfate

R.T.: 6.493 min
Delta R.T.: -0.006 min
Response: 164013758
Conc: 49.43 ng/ml



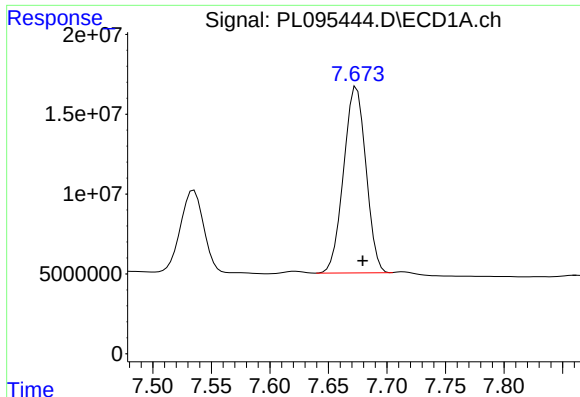
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.004 min
Response: 70476694
Conc: 50.52 ng/ml



#20 Methoxychlor

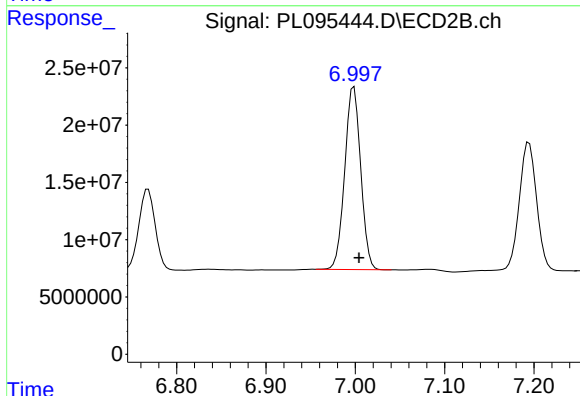
R.T.: 6.768 min
Delta R.T.: -0.007 min
Response: 90353671
Conc: 47.37 ng/ml



#21 Endrin ketone

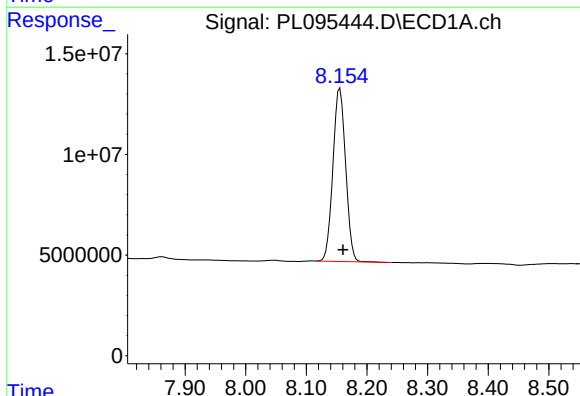
R.T.: 7.674 min
Delta R.T.: -0.005 min
Response: 154755354
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



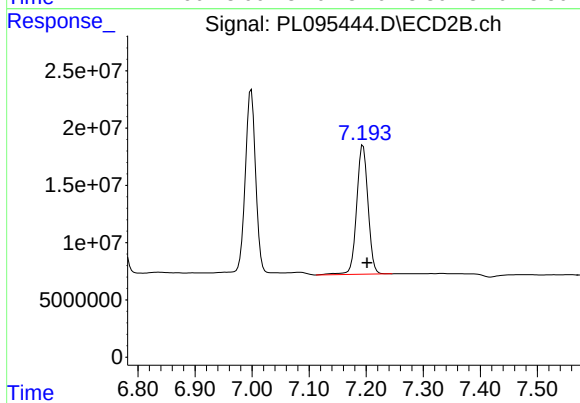
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 198021326
Conc: 56.24 ng/ml



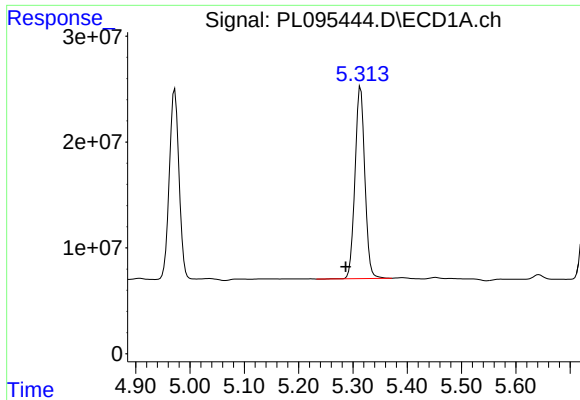
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 125294670
Conc: 52.73 ng/ml



#22 Mirex

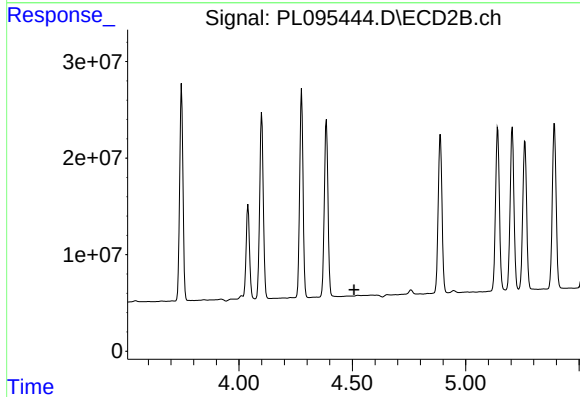
R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 155472549
Conc: 53.94 ng/ml



#24 Chlordane-2

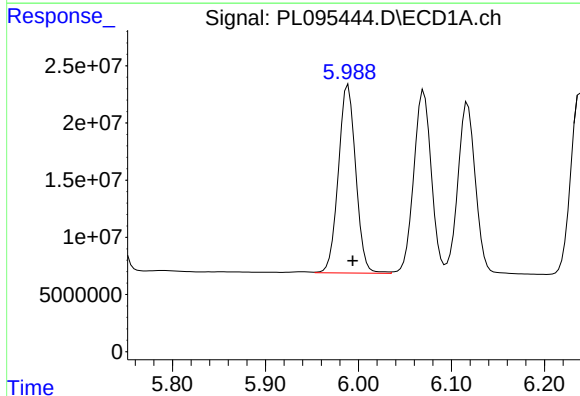
R.T.: 5.314 min
Delta R.T.: 0.027 min
Response: 228420785
Conc: 1078.90 ng/m

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



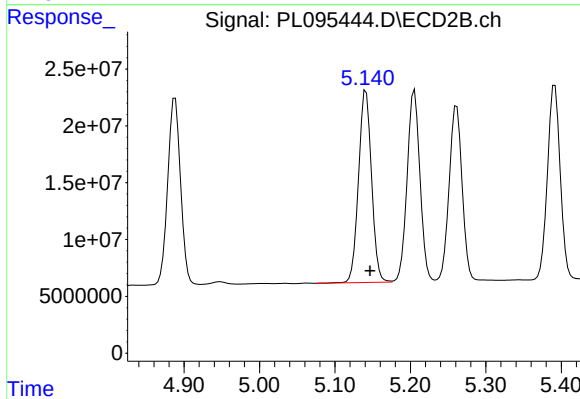
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 4.508 min
Response: 0
Conc: N.D.



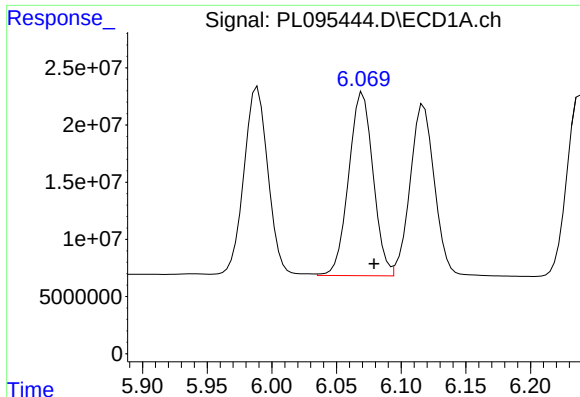
#25 Chlordane-3

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 213369924
Conc: 273.93 ng/ml



#25 Chlordane-3

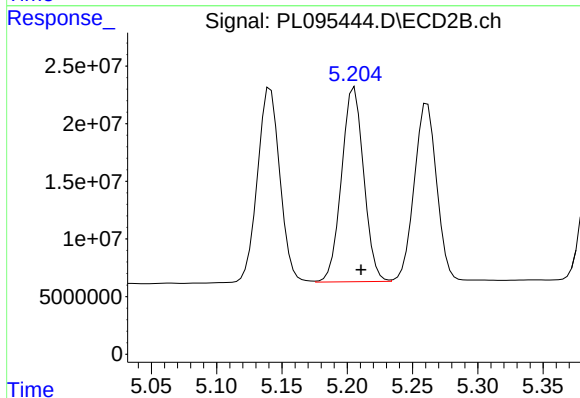
R.T.: 5.141 min
Delta R.T.: -0.005 min
Response: 202269991
Conc: 391.52 ng/ml



#26 Chlordane-4

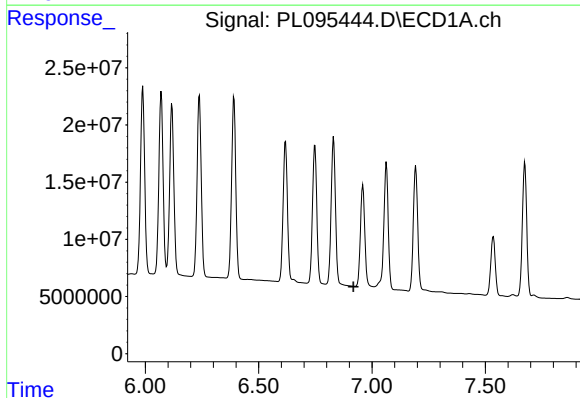
R.T.: 6.070 min
Delta R.T.: -0.009 min
Response: 210118144
Conc: 222.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



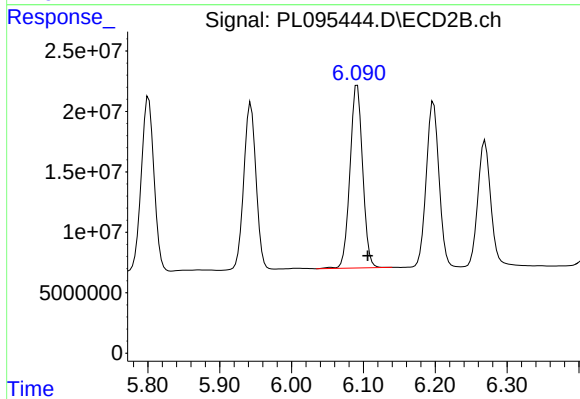
#26 Chlordane-4

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 199144814
Conc: 458.21 ng/ml



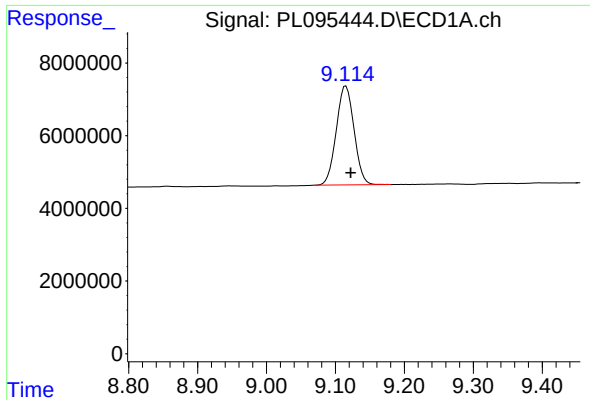
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

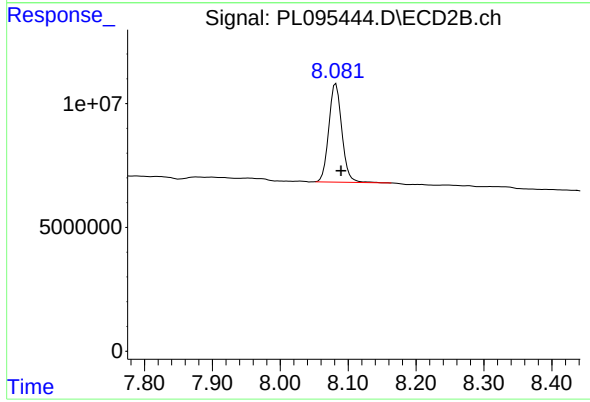
R.T.: 6.091 min
Delta R.T.: -0.015 min
Response: 185313045
Conc: 1003.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48789481
Conc: 17.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MS



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 53068359
Conc: 17.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095445.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 17:36
 Operator : AR\AJ
 Sample : Q1889-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-1MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 29 01:35:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.904	58425493	57181041	17.896	17.983
28)	SA Decachlor...	9.115	8.082	48269853	50724520	17.421	17.141
Target Compounds							
2)	A alpha-BHC	4.043	3.413	244.0E6	230.1E6	49.246	51.714
3)	MA gamma-BHC...	4.375	3.746	235.0E6	223.2E6	49.648	50.759
4)	MA Heptachlor	4.972	4.100	220.7E6	211.6E6	48.253	48.570
5)	MB Aldrin	5.314	4.385	226.3E6	205.2E6	49.265	49.868
6)	B beta-BHC	4.560	4.040	99681902	101.3E6	48.213	48.788
7)	B delta-BHC	0.000	4.276	0	220.8E6	N.D.	50.394 #
8)	B Heptachlo...	5.734	4.888	202.9E6	191.0E6	50.672	49.444
9)	A Endosulfan I	6.118	5.261	195.4E6	183.0E6	51.447	49.992
10)	B gamma-Chl...	5.989	5.141	210.5E6	199.5E6	51.599	49.235
11)	B alpha-Chl...	6.070	5.205	207.8E6	197.3E6	51.099	49.557
12)	B 4,4'-DDE	6.239	5.391	201.8E6	200.1E6	51.474	49.212
13)	MA Dieldrin	6.391	5.526	201.0E6	198.0E6	52.152	48.673
14)	MA Endrin	6.618	5.800	166.1E6	173.9E6	52.144	47.763
15)	B Endosulfa...	6.830	6.091	172.1E6	181.9E6	53.929	50.658
16)	A 4,4'-DDD	6.748	5.943	160.2E6	163.5E6	56.592	50.063
17)	MA 4,4'-DDT	7.063	6.197	147.7E6	166.4E6	51.833	48.437
18)	B Endrin al...	6.959	6.269	123.5E6	131.7E6	53.199	50.398
19)	B Endosulfa...	7.193	6.492	148.4E6	163.9E6	52.983	49.400
20)	A Methoxychlor	7.534	6.767	69311509	90789266	49.681	47.598
21)	B Endrin ke...	7.674	6.998	153.1E6	197.1E6	53.699	55.985
22)	Mirex	8.155	7.194	123.5E6	150.6E6	51.990	52.263
24)	Chlordane-2	5.314f	0.000	226.3E6	0	1068.780	N.D. #
25)	Chlordane-3	5.989	5.141	210.5E6	199.5E6	270.231	386.229 #
26)	Chlordane-4	6.070	5.205	207.8E6	197.3E6	220.347	453.941 #
27)	Chlordane-5	0.000	6.091	0	181.9E6	N.D.	984.734 #

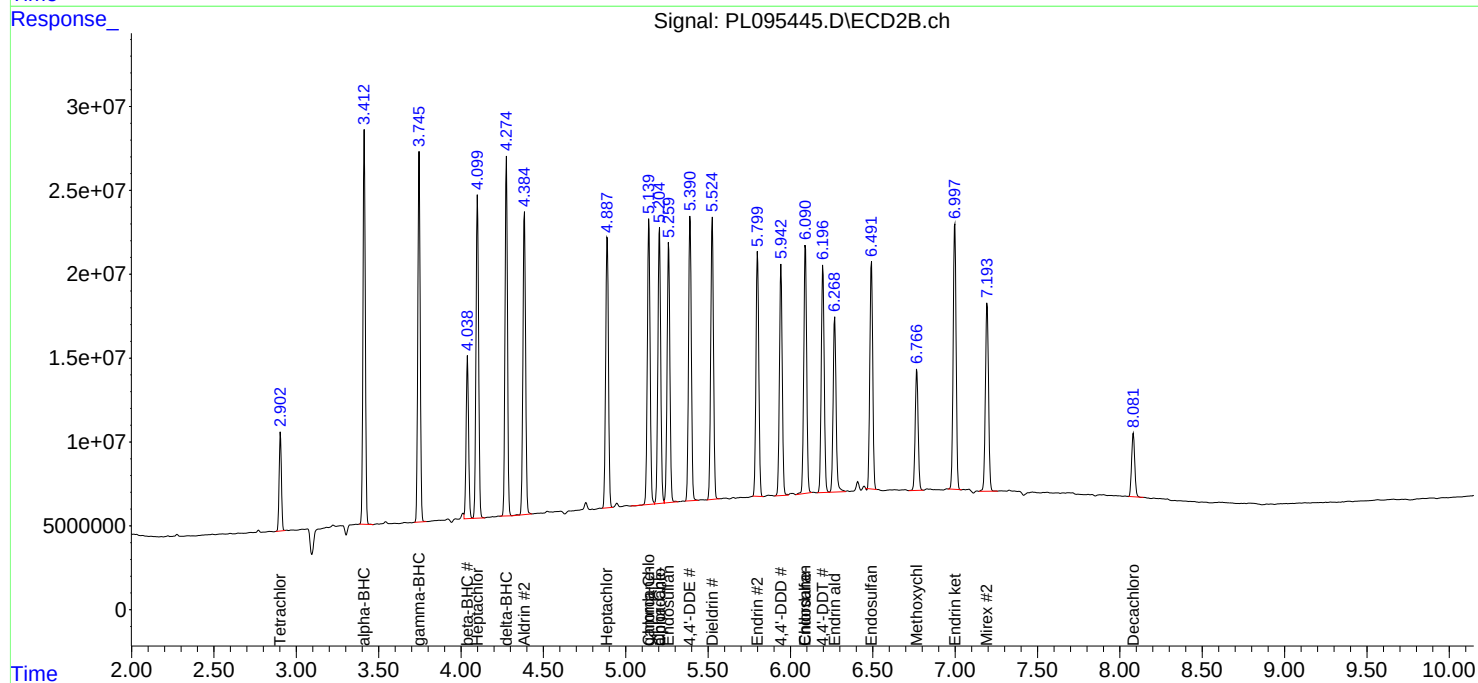
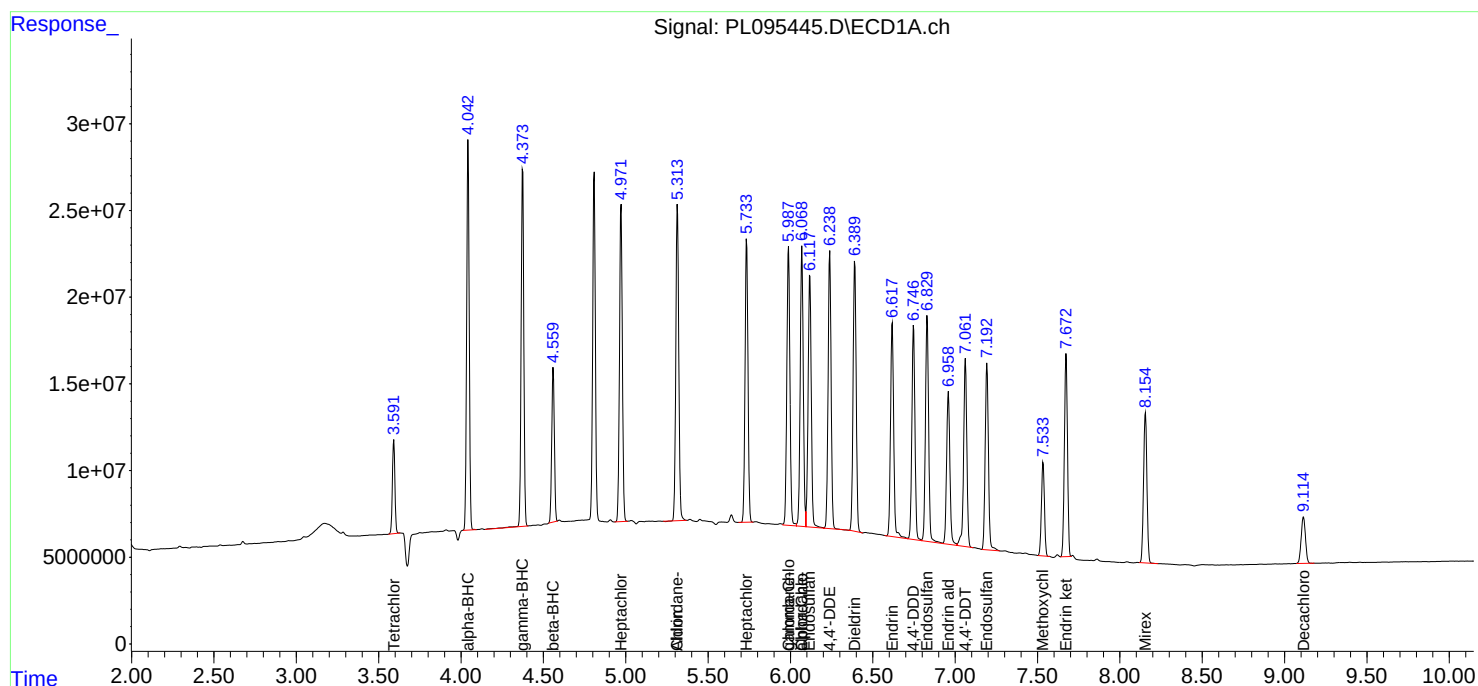
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

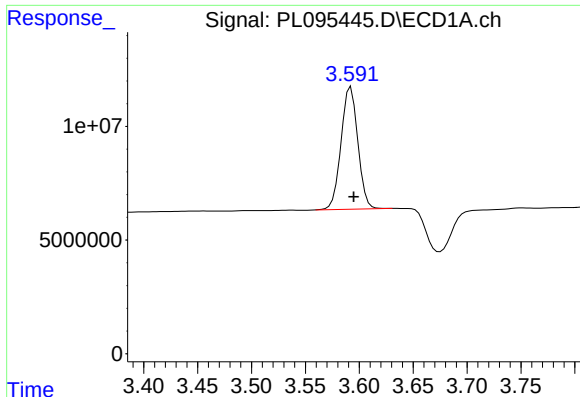
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 17:36
Operator : AR\AJ
Sample : Q1889-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

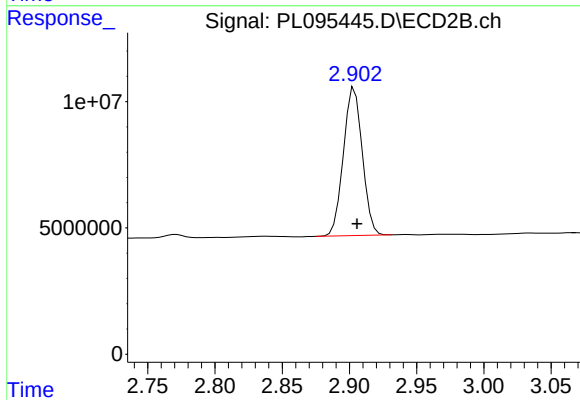




#1 Tetrachloro-m-xylene

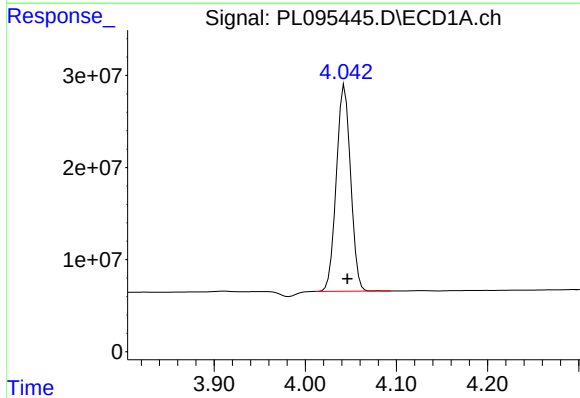
R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 58425493
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



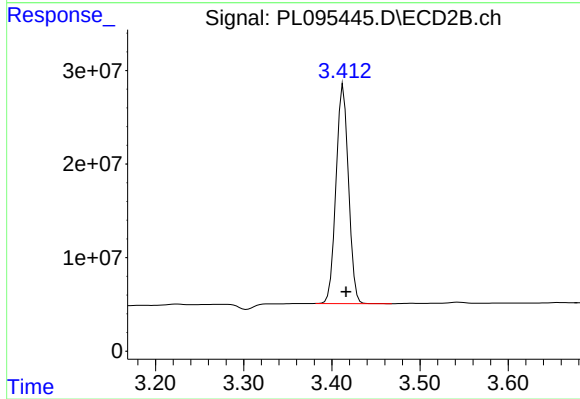
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.002 min
Response: 57181041
Conc: 17.98 ng/ml



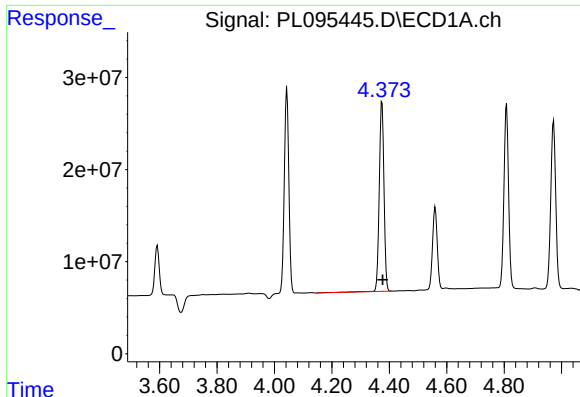
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 243952524
Conc: 49.25 ng/ml



#2 alpha-BHC

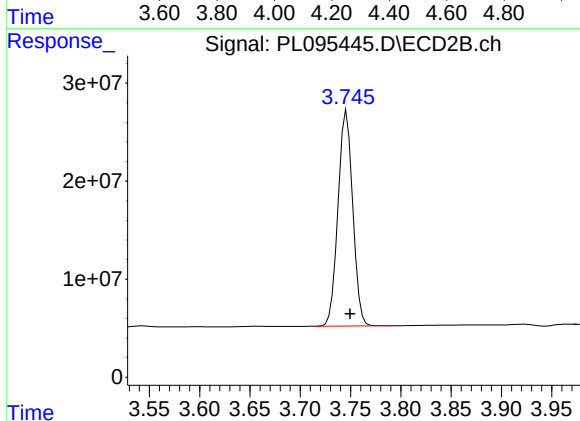
R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 230059505
Conc: 51.71 ng/ml



#3 gamma-BHC (Lindane)

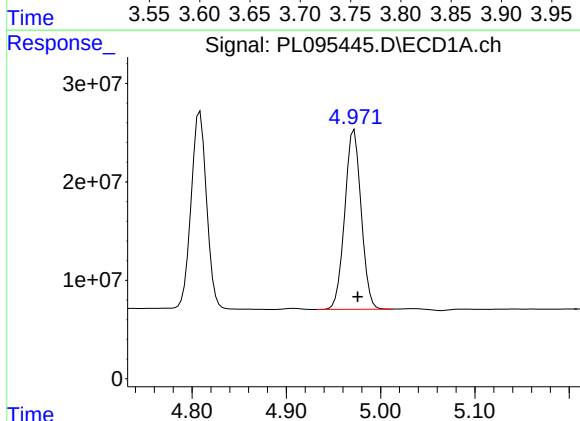
R.T.: 4.375 min
Delta R.T.: -0.003 min
Response: 235033343
Conc: 49.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



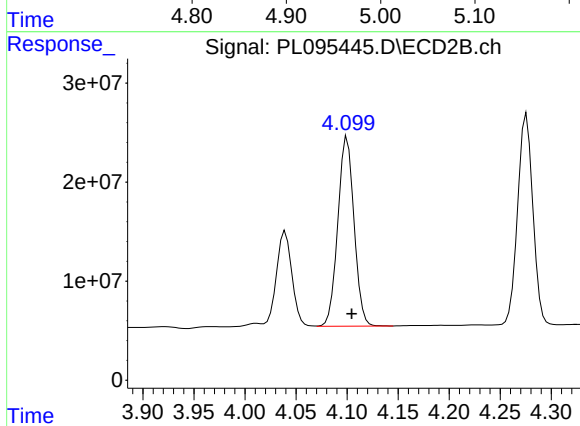
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 223249487
Conc: 50.76 ng/ml



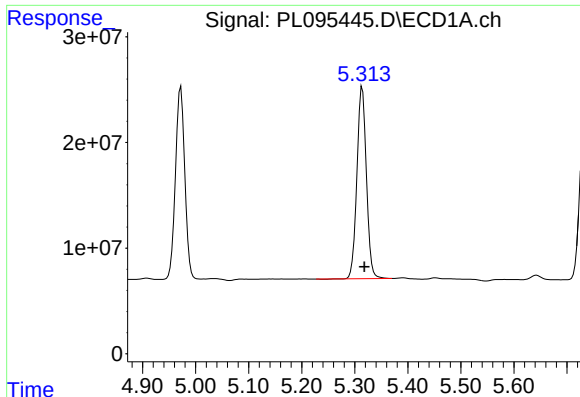
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 220731302
Conc: 48.25 ng/ml



#4 Heptachlor

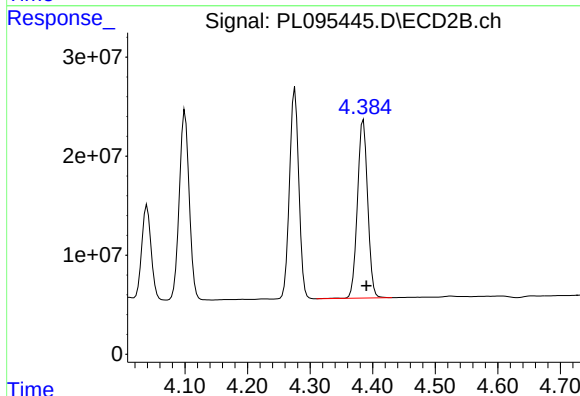
R.T.: 4.100 min
Delta R.T.: -0.004 min
Response: 211603932
Conc: 48.57 ng/ml



#5 Aldrin

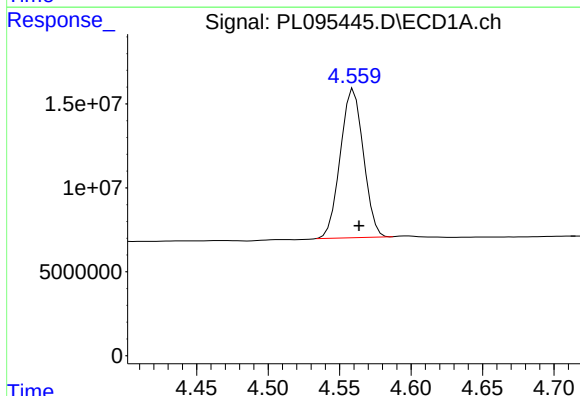
R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 226277485
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



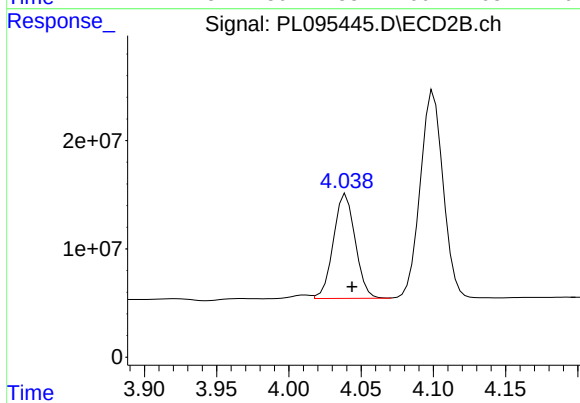
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 205240915
Conc: 49.87 ng/ml



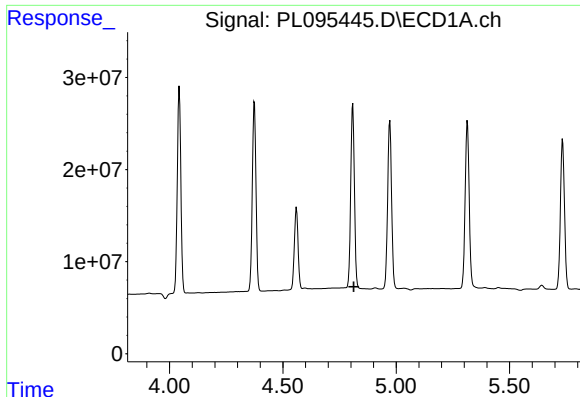
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.004 min
Response: 99681902
Conc: 48.21 ng/ml



#6 beta-BHC

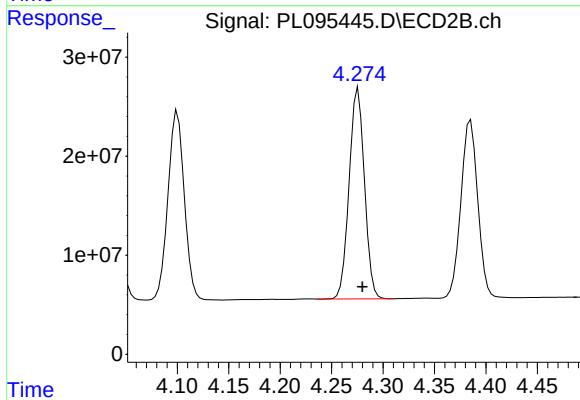
R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 101276899
Conc: 48.79 ng/ml



#7 delta-BHC

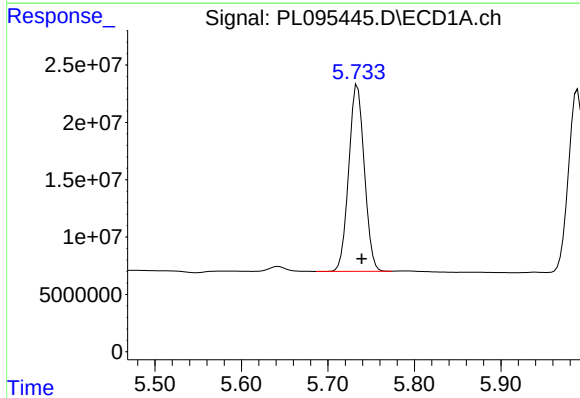
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



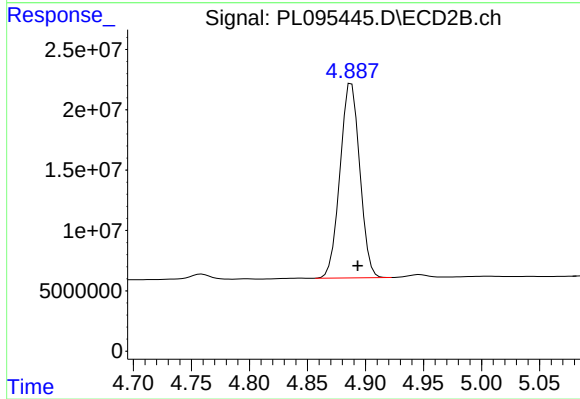
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 220825463
Conc: 50.39 ng/ml



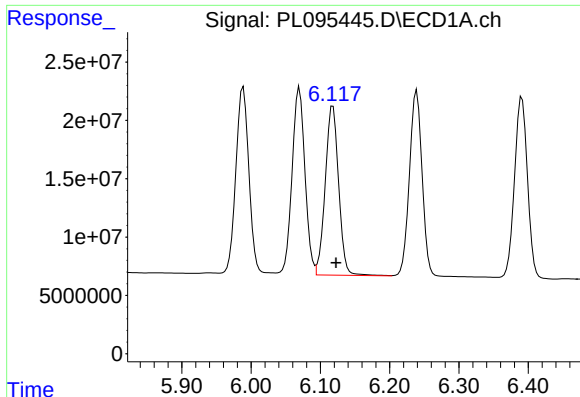
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 202948285
Conc: 50.67 ng/ml



#8 Heptachlor epoxide

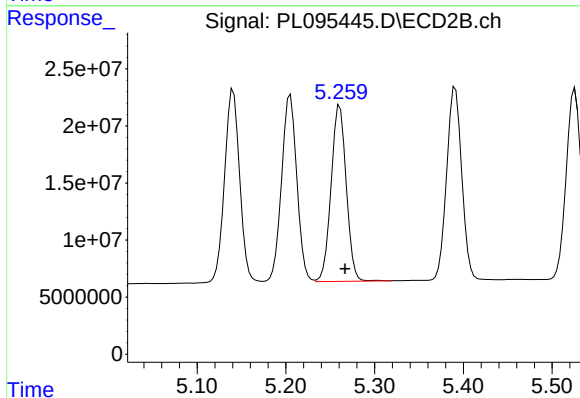
R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 190983581
Conc: 49.44 ng/ml



#9 Endosulfan I

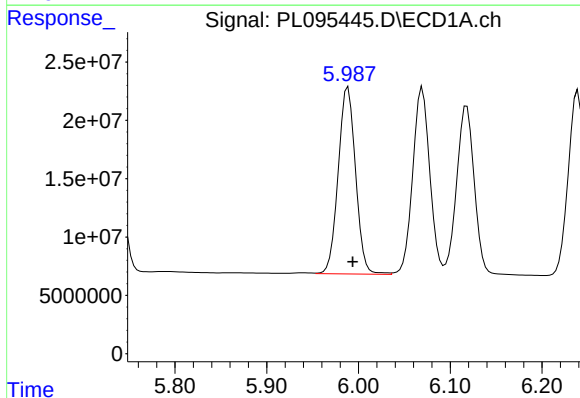
R.T.: 6.118 min
Delta R.T.: -0.005 min
Response: 195369904
Conc: 51.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



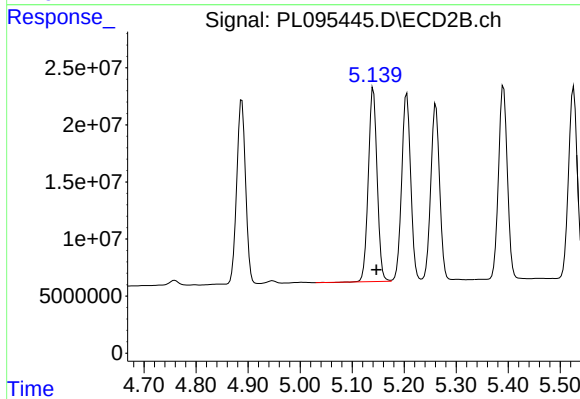
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 182992742
Conc: 49.99 ng/ml



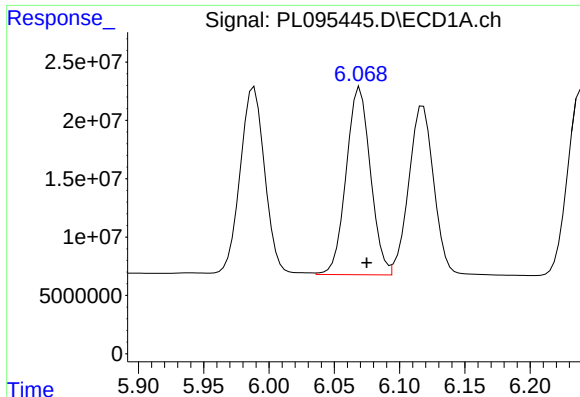
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 210490219
Conc: 51.60 ng/ml



#10 gamma-Chlordane

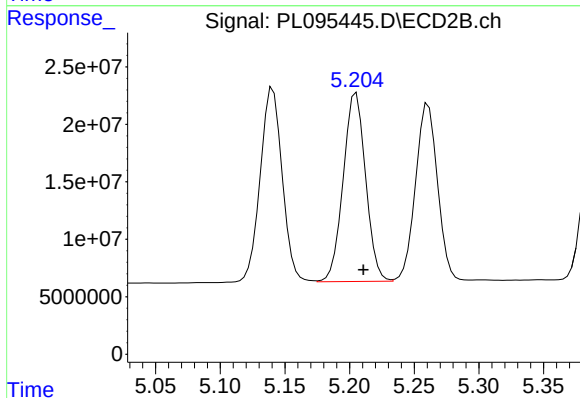
R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 199534634
Conc: 49.24 ng/ml



#11 alpha-Chlordane

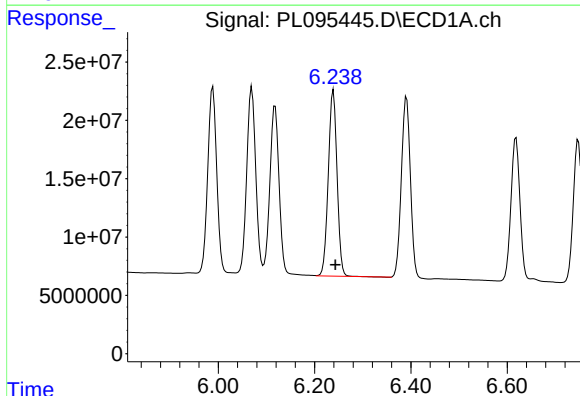
R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 207771905
Conc: 51.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



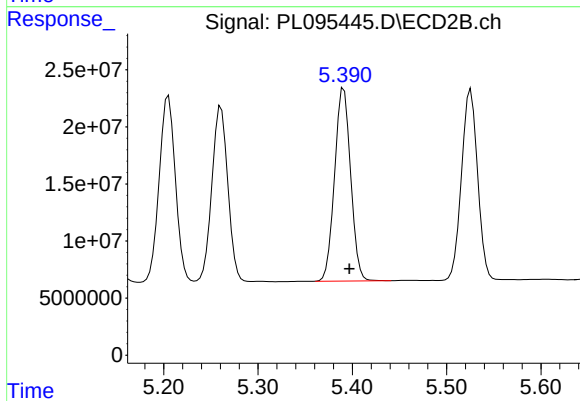
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 197287942
Conc: 49.56 ng/ml



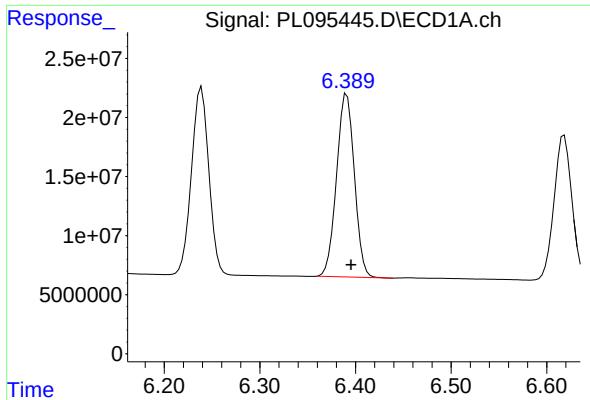
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 201807618
Conc: 51.47 ng/ml



#12 4,4'-DDE

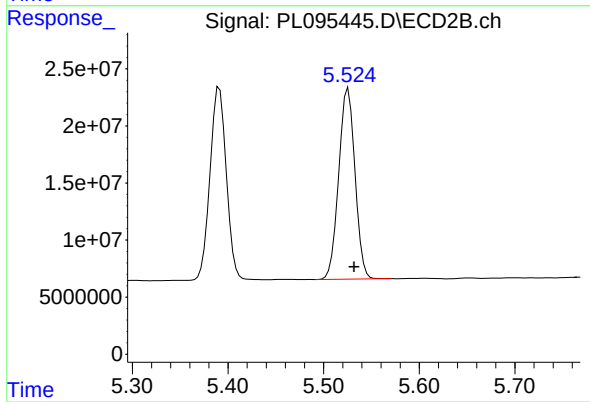
R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 200143435
Conc: 49.21 ng/ml



#13 Dieldrin

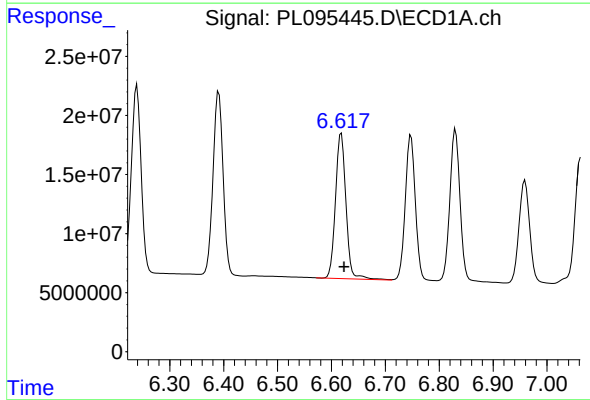
R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 201035235
Conc: 52.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



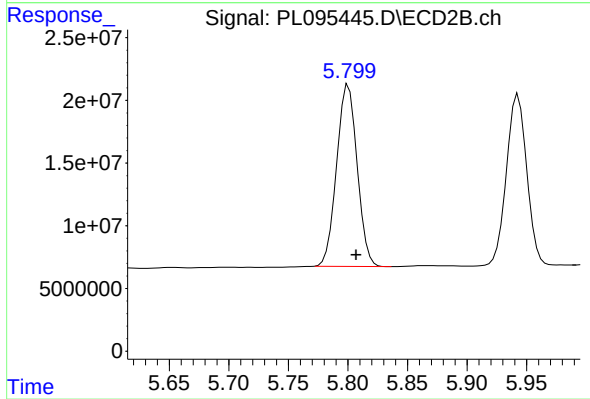
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 197957738
Conc: 48.67 ng/ml



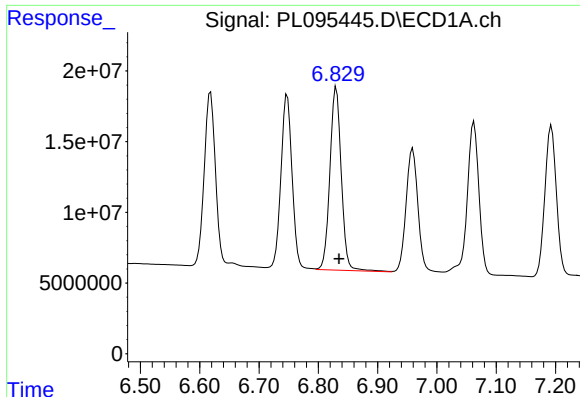
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 166064146
Conc: 52.14 ng/ml



#14 Endrin

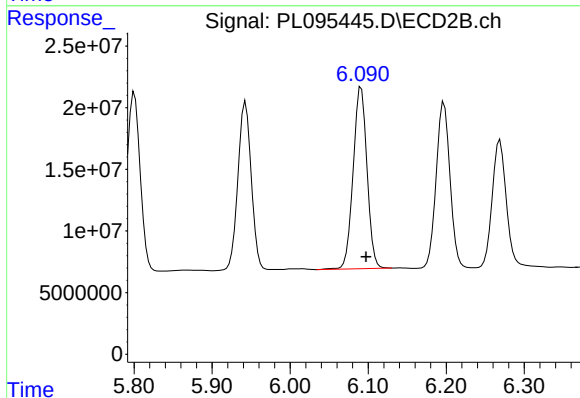
R.T.: 5.800 min
Delta R.T.: -0.006 min
Response: 173893071
Conc: 47.76 ng/ml



#15 Endosulfan II

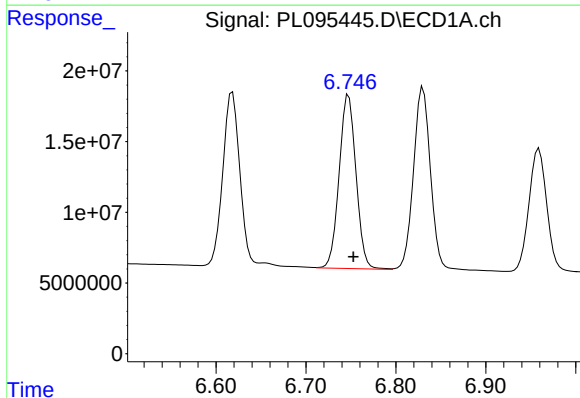
R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 172148584
Conc: 53.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



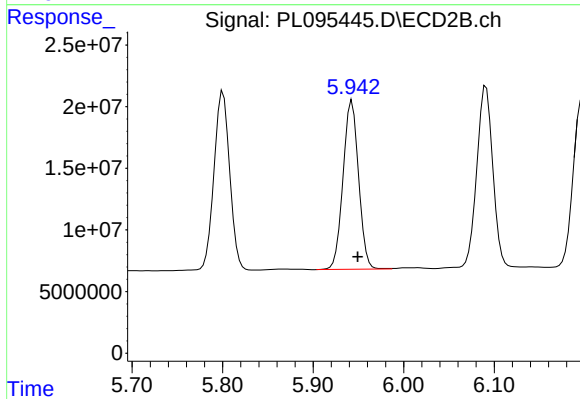
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 181918560
Conc: 50.66 ng/ml



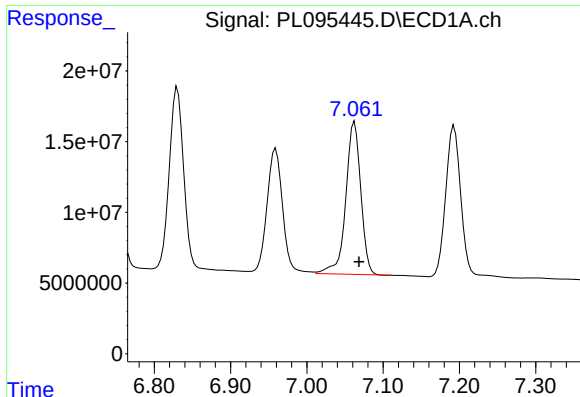
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 160209776
Conc: 56.59 ng/ml



#16 4,4'-DDD

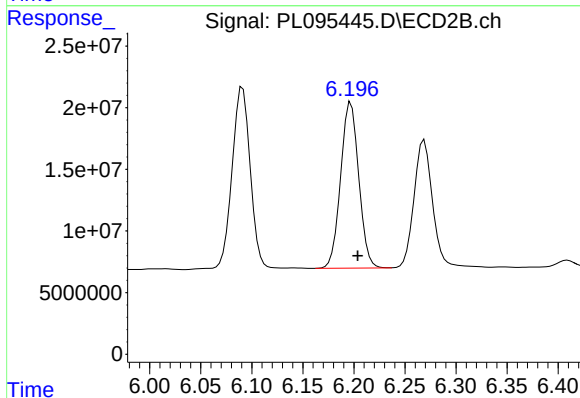
R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 163545905
Conc: 50.06 ng/ml



#17 4,4'-DDT

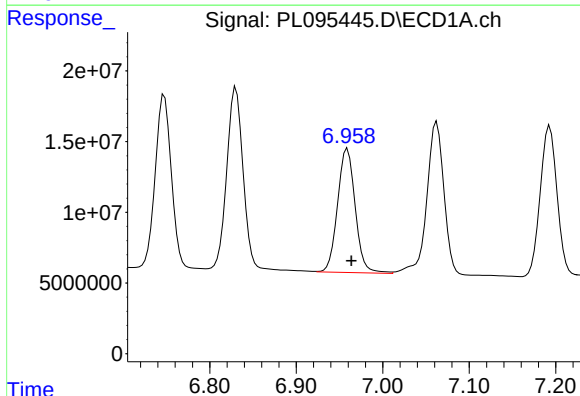
R.T.: 7.063 min
Delta R.T.: -0.006 min
Response: 147651552
Conc: 51.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



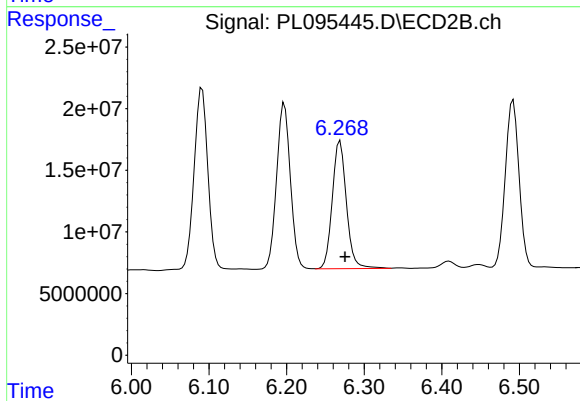
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.007 min
Response: 166438490
Conc: 48.44 ng/ml



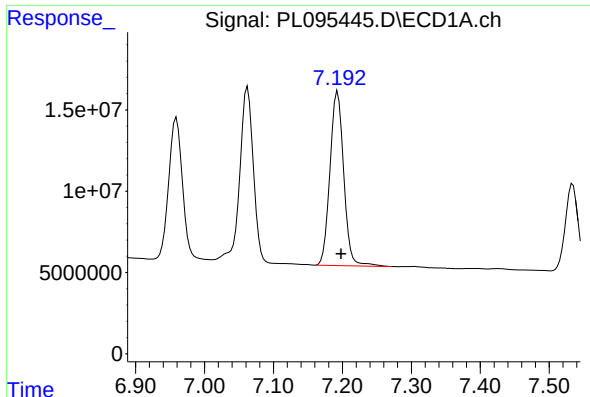
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 123465151
Conc: 53.20 ng/ml



#18 Endrin aldehyde

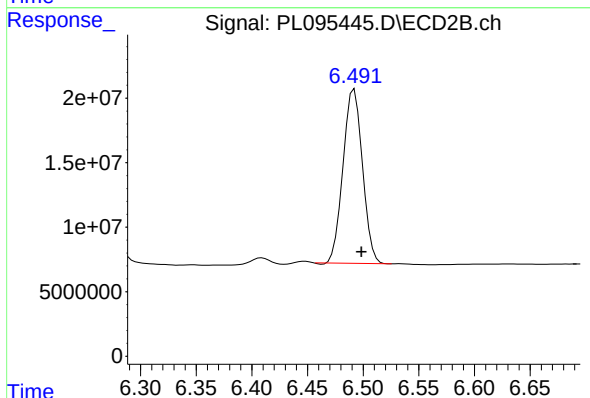
R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 131698540
Conc: 50.40 ng/ml



#19 Endosulfan Sulfate

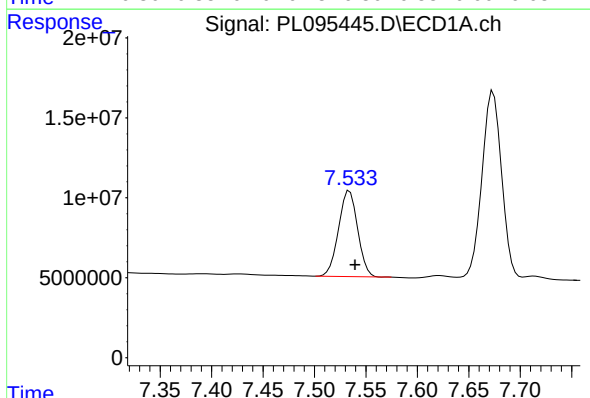
R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 148446966
Conc: 52.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



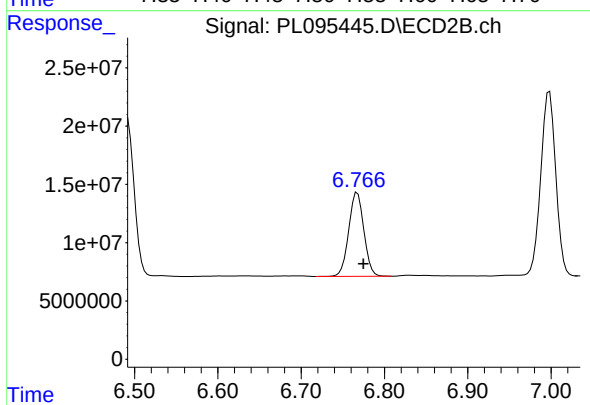
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.006 min
Response: 163906163
Conc: 49.40 ng/ml



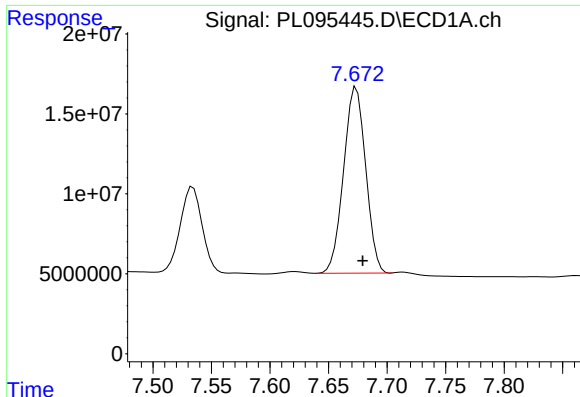
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.005 min
Response: 69311509
Conc: 49.68 ng/ml



#20 Methoxychlor

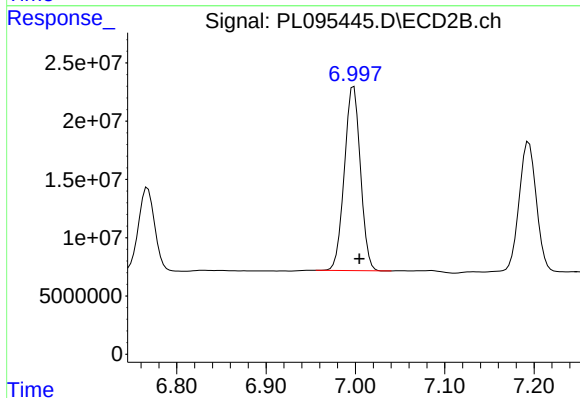
R.T.: 6.767 min
Delta R.T.: -0.007 min
Response: 90789266
Conc: 47.60 ng/ml



#21 Endrin ketone

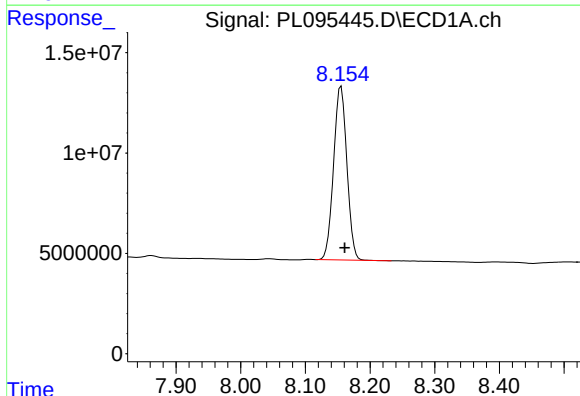
R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 153089804
Conc: 53.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



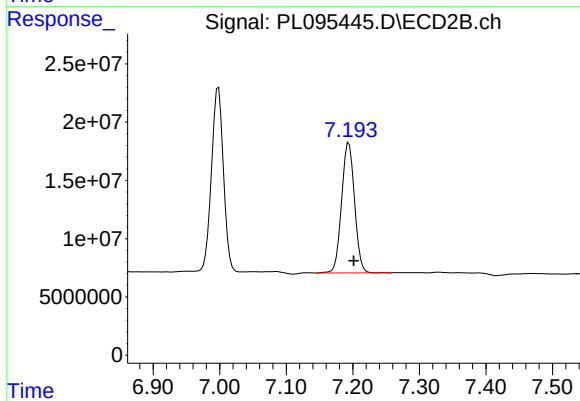
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 197138496
Conc: 55.98 ng/ml



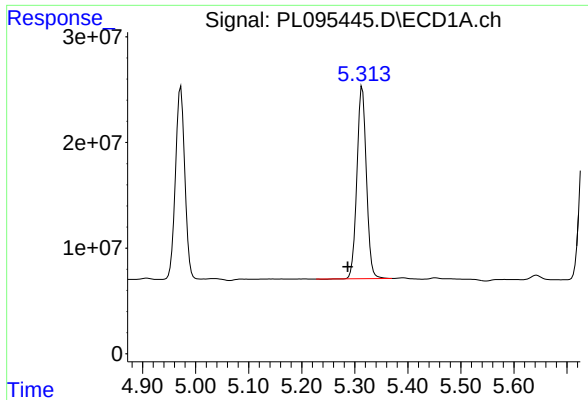
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 123530946
Conc: 51.99 ng/ml



#22 Mirex

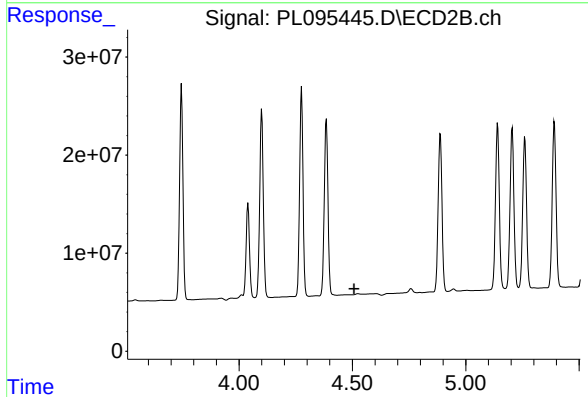
R.T.: 7.194 min
Delta R.T.: -0.007 min
Response: 150642081
Conc: 52.26 ng/ml



#24 Chlordane-2

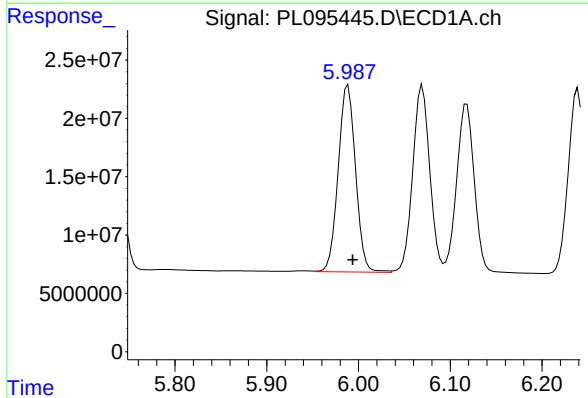
R.T.: 5.314 min
Delta R.T.: 0.027 min
Response: 226277485
Conc: 1068.78 ng/m

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



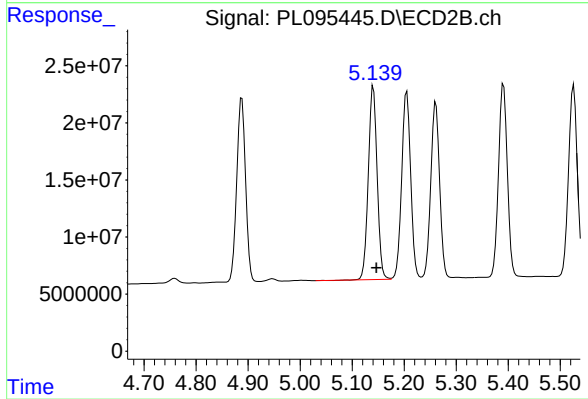
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 4.508 min
Response: 0
Conc: N.D.



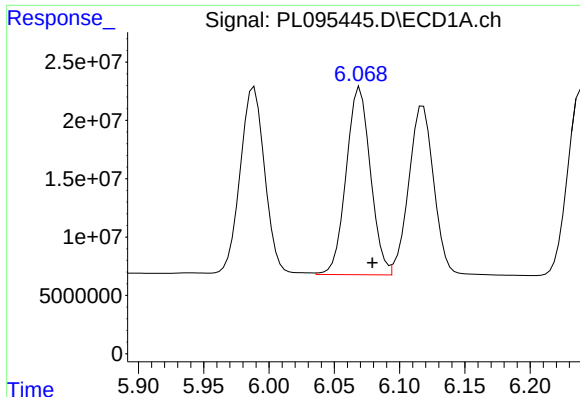
#25 Chlordane-3

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 210490219
Conc: 270.23 ng/ml



#25 Chlordane-3

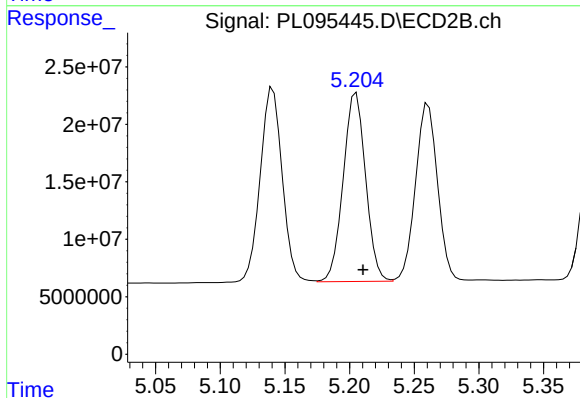
R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 199534634
Conc: 386.23 ng/ml



#26 Chlordane-4

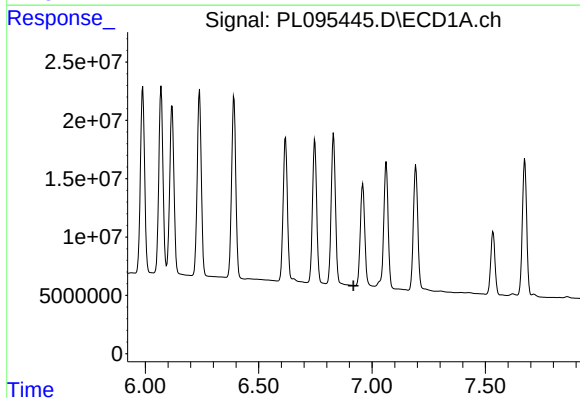
R.T.: 6.070 min
Delta R.T.: -0.009 min
Response: 207771905
Conc: 220.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



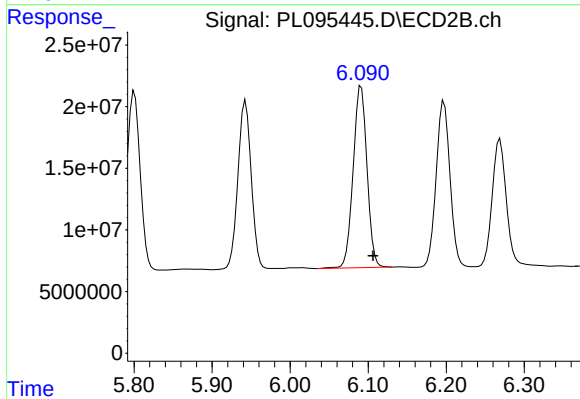
#26 Chlordane-4

R.T.: 5.205 min
Delta R.T.: -0.005 min
Response: 197287942
Conc: 453.94 ng/ml



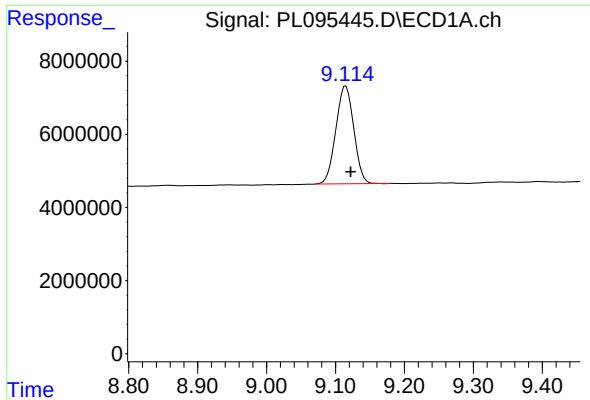
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

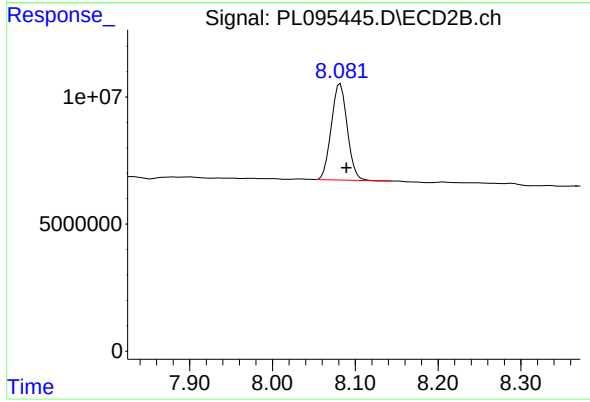
R.T.: 6.091 min
Delta R.T.: -0.015 min
Response: 181918560
Conc: 984.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 48269853
Conc: 17.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-1MSD



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 50724520
Conc: 17.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
 Data File : PL095451.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Apr 2025 18:58
 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: Apr 29 01:36:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.592	2.904	172.6E6	172.6E6	52.859	54.288
28)	SA Decachlor...	9.114	8.082	151.8E6	167.5E6	54.790	56.619
Target Compounds							
2)	A alpha-BHC	4.043	3.414	264.3E6	253.5E6	53.358	56.988
3)	MA gamma-BHC...	4.374	3.747	251.0E6	243.6E6	53.014	55.392
4)	MA Heptachlor	4.972	4.101	238.1E6	231.3E6	52.042	53.082
5)	MB Aldrin	5.314	4.386	244.2E6	224.6E6	53.177	54.565
6)	B beta-BHC	4.560	4.040	107.7E6	111.1E6	52.085	53.537
7)	B delta-BHC	0.000	4.276	0	242.7E6	N.D.	55.377 #
8)	B Heptachlo...	5.735	4.888	216.9E6	208.2E6	54.167	53.897
9)	A Endosulfan I	6.117	5.261	207.4E6	198.2E6	54.611	54.141
10)	B gamma-Chl...	5.989	5.141	224.0E6	217.3E6	54.922	53.626
11)	B alpha-Chl...	6.070	5.205	222.7E6	214.3E6	54.771	53.825
12)	B 4,4'-DDE	6.238	5.391	214.8E6	216.2E6	54.779	53.153
13)	MA Dieldrin	6.391	5.526	213.1E6	216.7E6	55.288	53.277
14)	MA Endrin	6.618	5.801	169.3E6	181.8E6	53.148	49.941
15)	B Endosulfa...	6.830	6.091	182.0E6	194.3E6	57.016	54.107
16)	A 4,4'-DDD	6.748	5.943	166.5E6	181.3E6	58.812	55.510
17)	MA 4,4'-DDT	7.063	6.197	154.9E6	178.2E6	54.389	51.873
18)	B Endrin al...	6.959	6.269	130.2E6	142.0E6	56.110	54.358
19)	B Endosulfa...	7.193	6.492	155.7E6	179.8E6	55.555	54.197
20)	A Methoxychlor	7.534	6.768	72562078	97262294	52.011	50.991
21)	B Endrin ke...	7.674	6.998	165.6E6	211.4E6	58.092	60.040
22)	Mirex	8.155	7.194	131.4E6	165.6E6	55.285	57.436
24)	Chlordane-2	5.314f	0.000	244.2E6	0	1153.633	N.D. #
25)	Chlordane-3	5.989	5.141	224.0E6	217.3E6	287.636	420.674 #
26)	Chlordane-4	6.070	5.205	222.7E6	214.3E6	236.185	493.040 #
27)	Chlordane-5	0.000	6.091	0	194.3E6	N.D.	1051.778 #

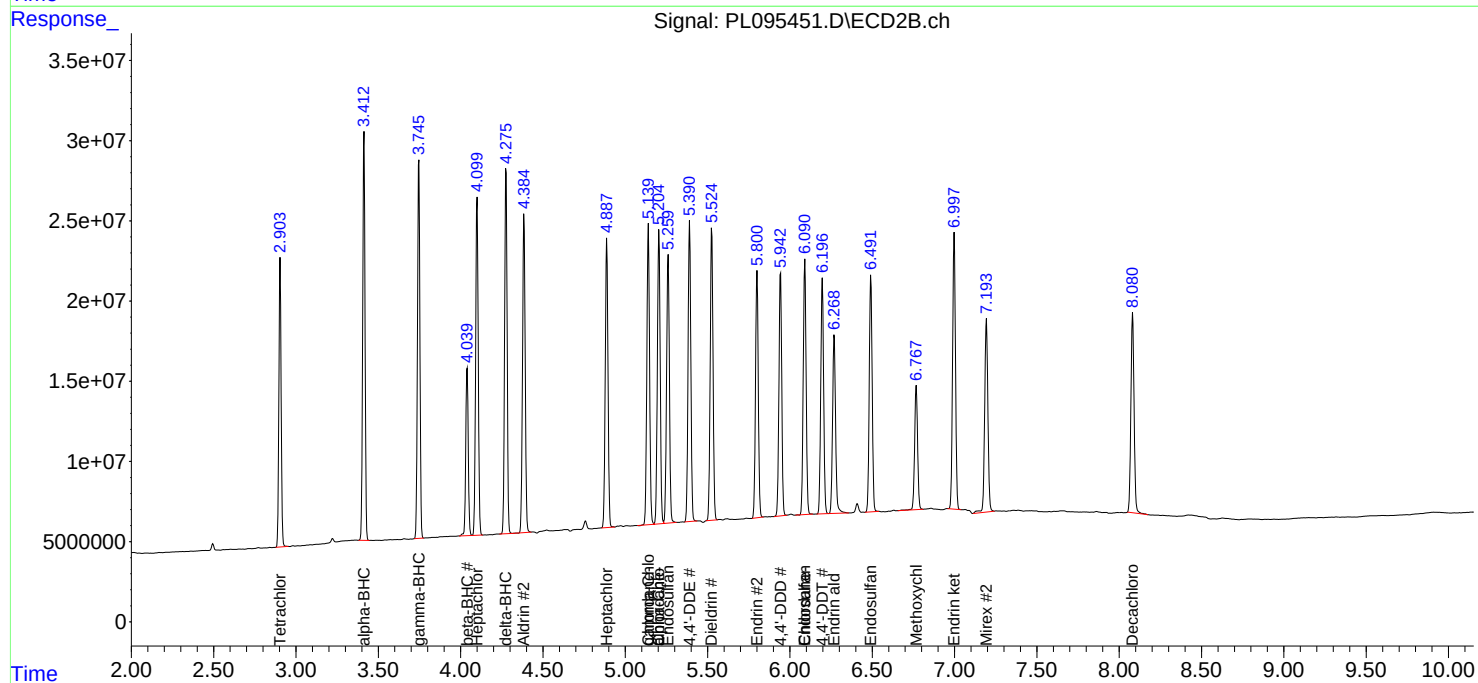
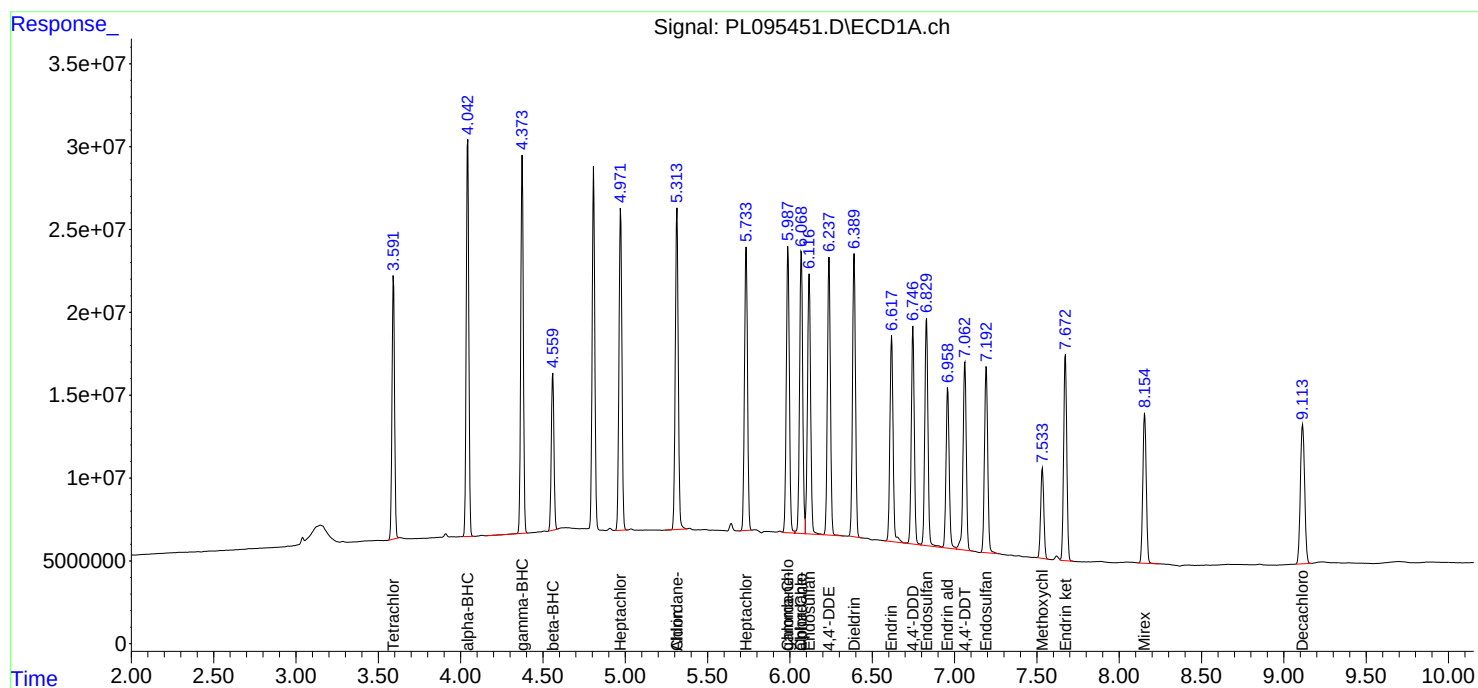
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

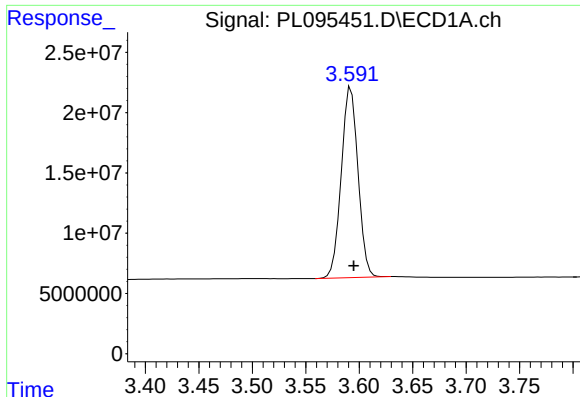
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL043025\
Data File : PL095451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Apr 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 29 01:36:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

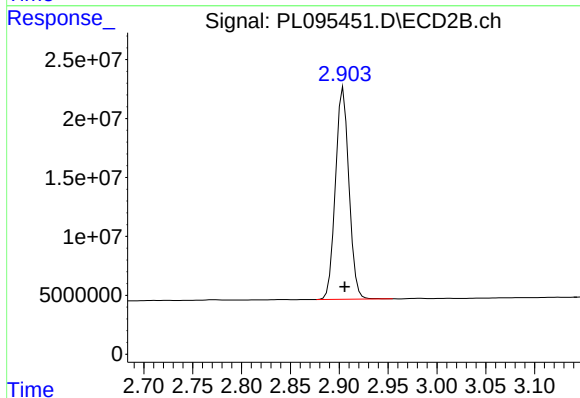




#1 Tetrachloro-m-xylene

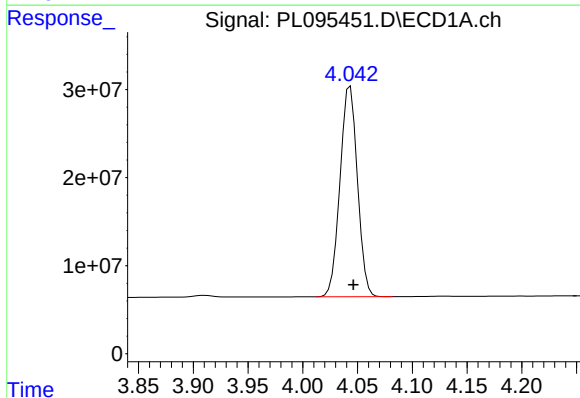
R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 172565826
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



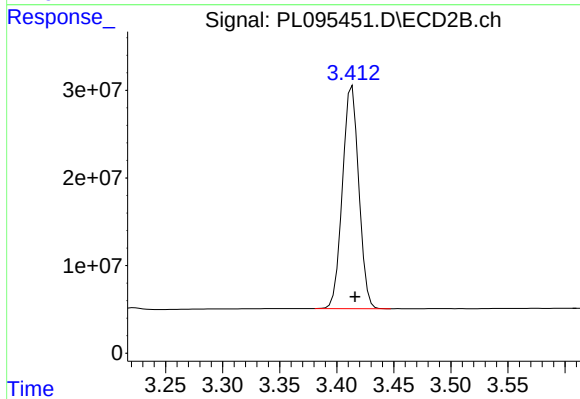
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 172620852
Conc: 54.29 ng/ml



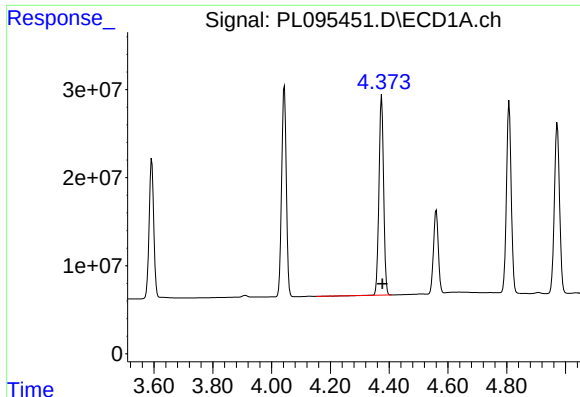
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: -0.003 min
Response: 264320892
Conc: 53.36 ng/ml



#2 alpha-BHC

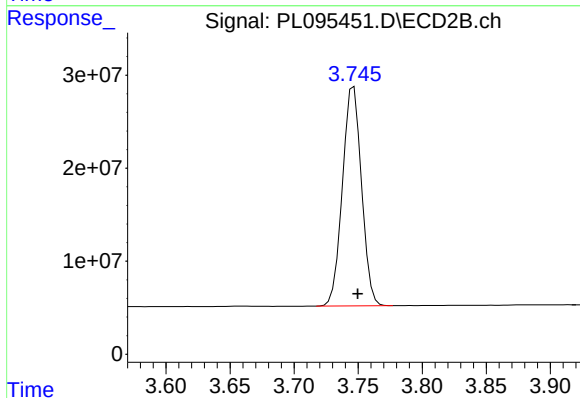
R.T.: 3.414 min
Delta R.T.: -0.003 min
Response: 253523716
Conc: 56.99 ng/ml



#3 gamma-BHC (Lindane)

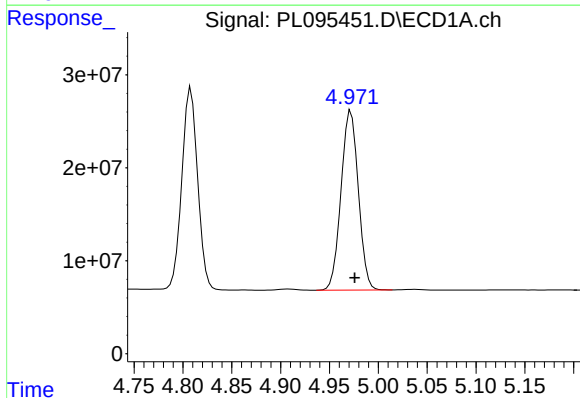
R.T.: 4.374 min
Delta R.T.: -0.003 min
Response: 250964830
Conc: 53.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



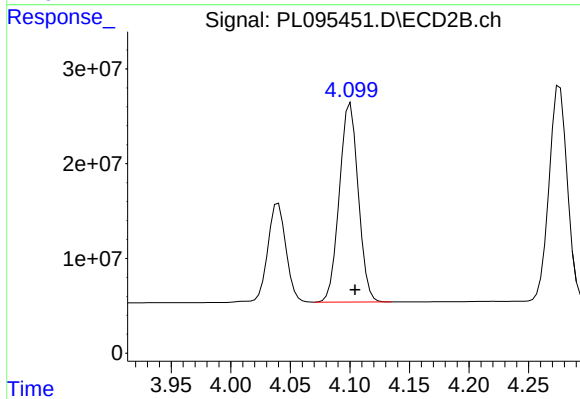
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 243628224
Conc: 55.39 ng/ml



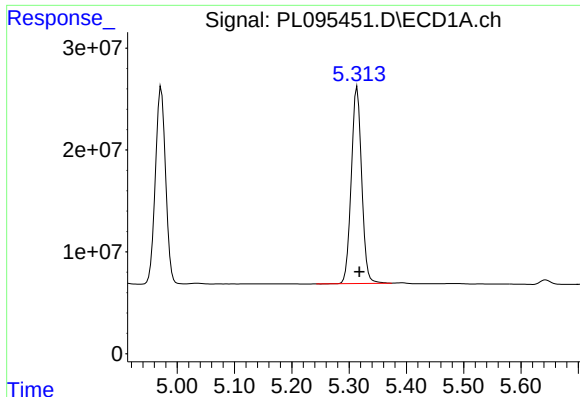
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.004 min
Response: 238064984
Conc: 52.04 ng/ml



#4 Heptachlor

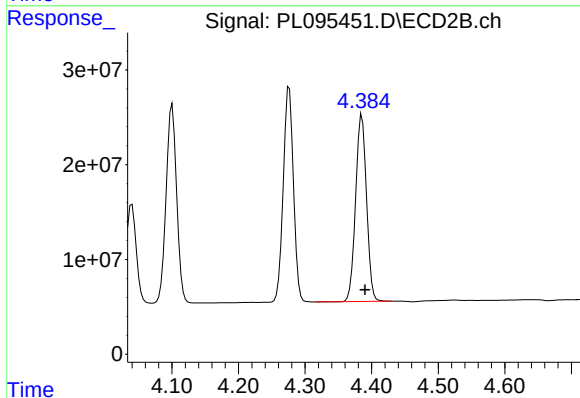
R.T.: 4.101 min
Delta R.T.: -0.004 min
Response: 231262867
Conc: 53.08 ng/ml



#5 Aldrin

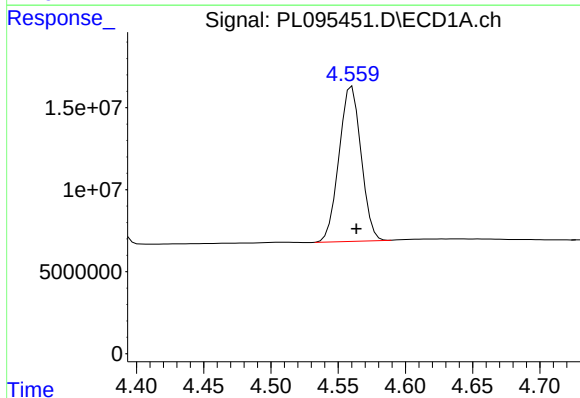
R.T.: 5.314 min
Delta R.T.: -0.004 min
Response: 244242332
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



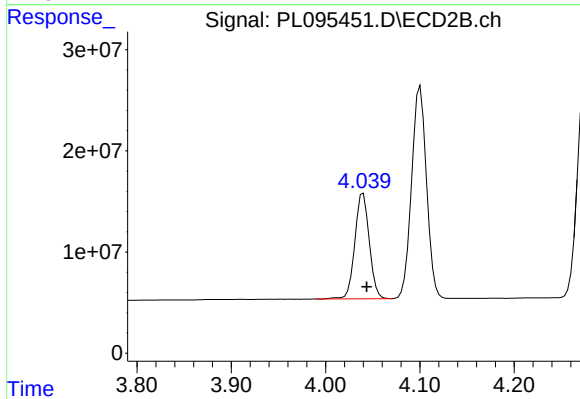
#5 Aldrin

R.T.: 4.386 min
Delta R.T.: -0.004 min
Response: 224573916
Conc: 54.57 ng/ml



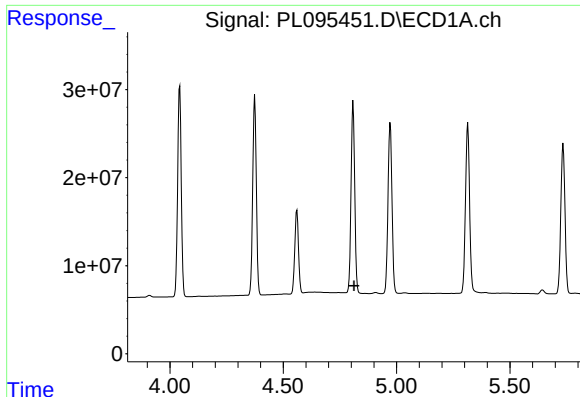
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 107685963
Conc: 52.08 ng/ml



#6 beta-BHC

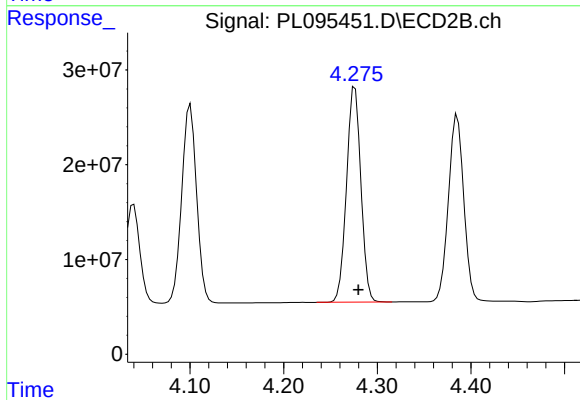
R.T.: 4.040 min
Delta R.T.: -0.004 min
Response: 111135903
Conc: 53.54 ng/ml



#7 delta-BHC

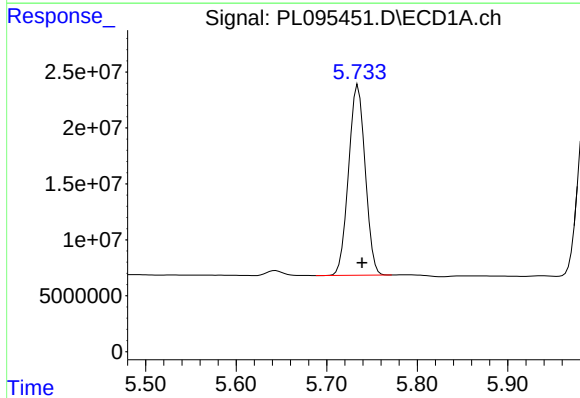
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



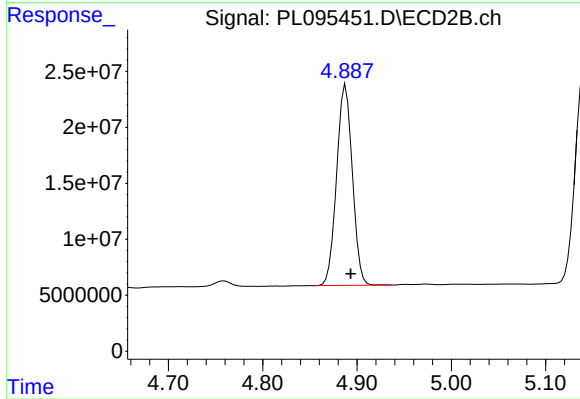
#7 delta-BHC

R.T.: 4.276 min
Delta R.T.: -0.004 min
Response: 242661100
Conc: 55.38 ng/ml



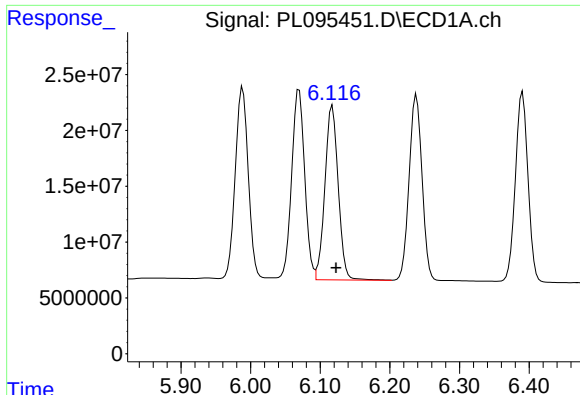
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 216945339
Conc: 54.17 ng/ml



#8 Heptachlor epoxide

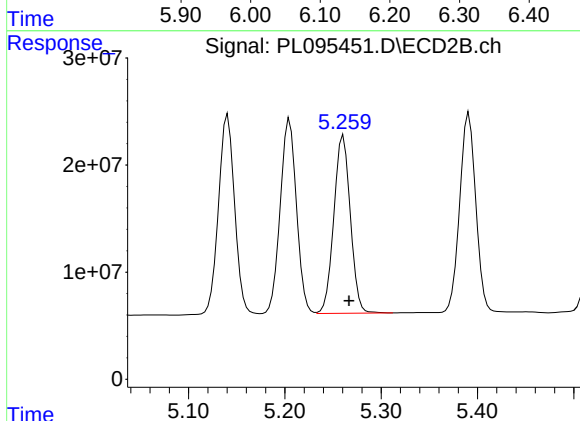
R.T.: 4.888 min
Delta R.T.: -0.005 min
Response: 208185381
Conc: 53.90 ng/ml



#9 Endosulfan I

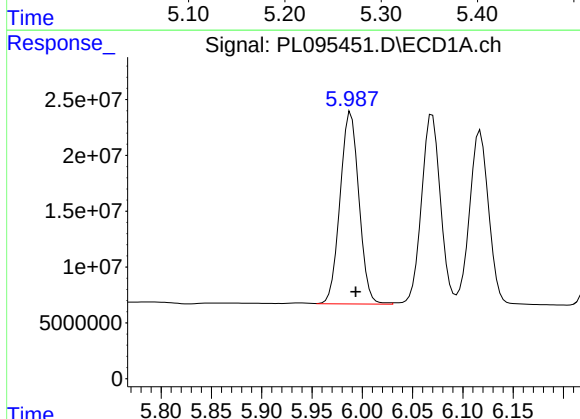
R.T.: 6.117 min
Delta R.T.: -0.005 min
Response: 207386575
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



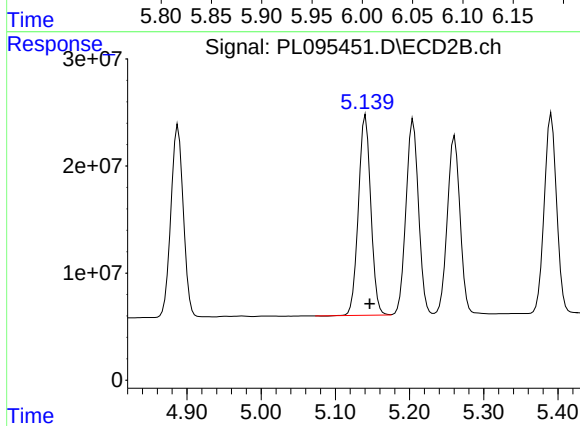
#9 Endosulfan I

R.T.: 5.261 min
Delta R.T.: -0.006 min
Response: 198179761
Conc: 54.14 ng/ml



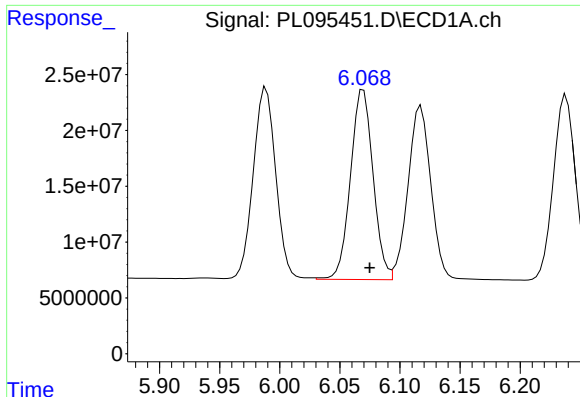
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 224047344
Conc: 54.92 ng/ml



#10 gamma-Chlordane

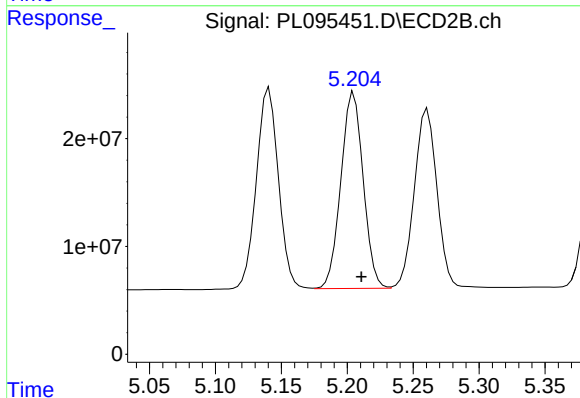
R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 217329585
Conc: 53.63 ng/ml



#11 alpha-Chlordane

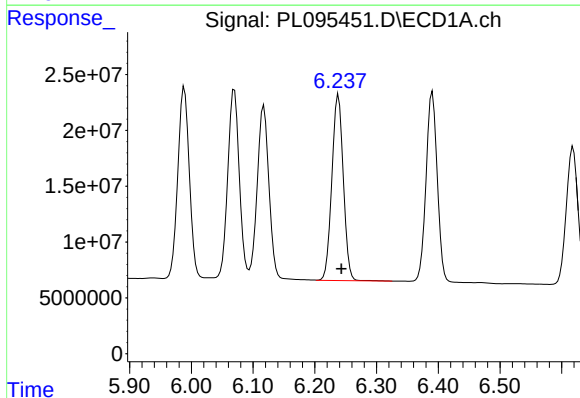
R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 222705903
Conc: 54.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



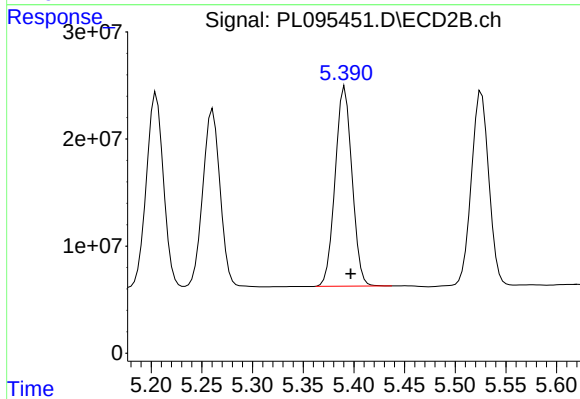
#11 alpha-Chlordane

R.T.: 5.205 min
Delta R.T.: -0.006 min
Response: 214280820
Conc: 53.83 ng/ml



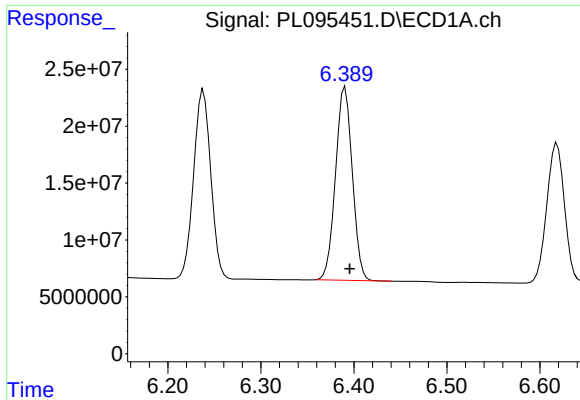
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 214763519
Conc: 54.78 ng/ml



#12 4,4'-DDE

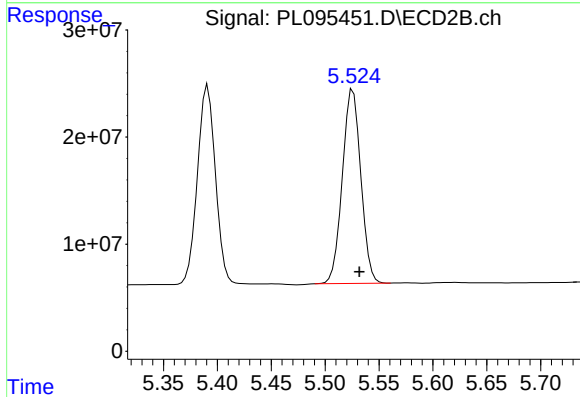
R.T.: 5.391 min
Delta R.T.: -0.006 min
Response: 216173386
Conc: 53.15 ng/ml



#13 Dieldrin

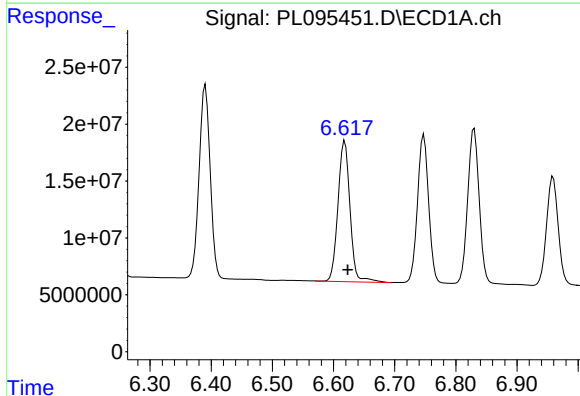
R.T.: 6.391 min
Delta R.T.: -0.005 min
Response: 213126675
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



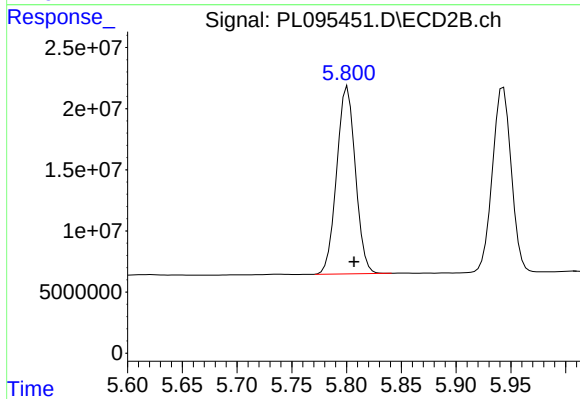
#13 Dieldrin

R.T.: 5.526 min
Delta R.T.: -0.006 min
Response: 216681513
Conc: 53.28 ng/ml



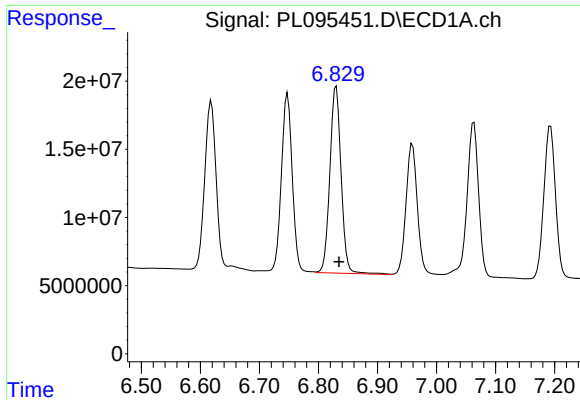
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 169264300
Conc: 53.15 ng/ml



#14 Endrin

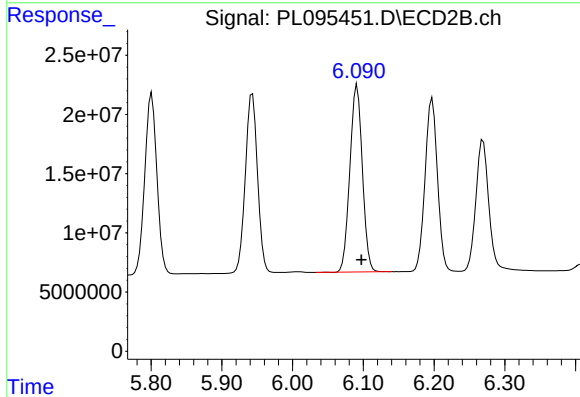
R.T.: 5.801 min
Delta R.T.: -0.006 min
Response: 181821231
Conc: 49.94 ng/ml



#15 Endosulfan II

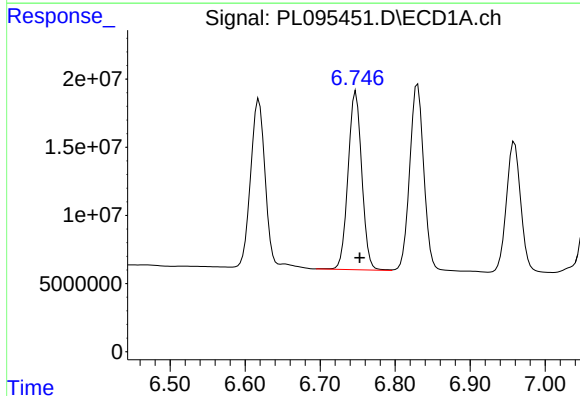
R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 182005014
Conc: 57.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



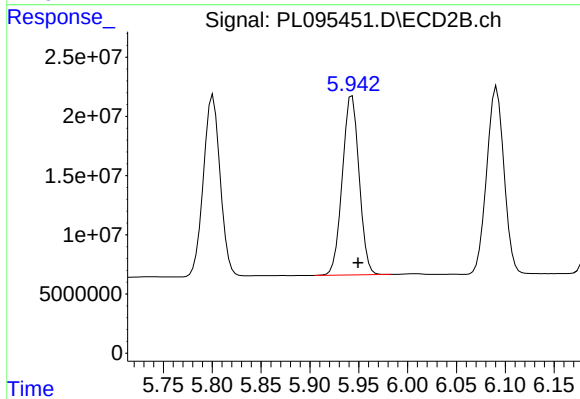
#15 Endosulfan II

R.T.: 6.091 min
Delta R.T.: -0.006 min
Response: 194304216
Conc: 54.11 ng/ml



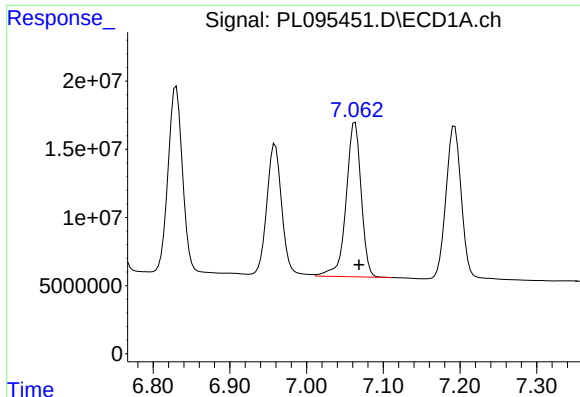
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.005 min
Response: 166493713
Conc: 58.81 ng/ml



#16 4,4'-DDD

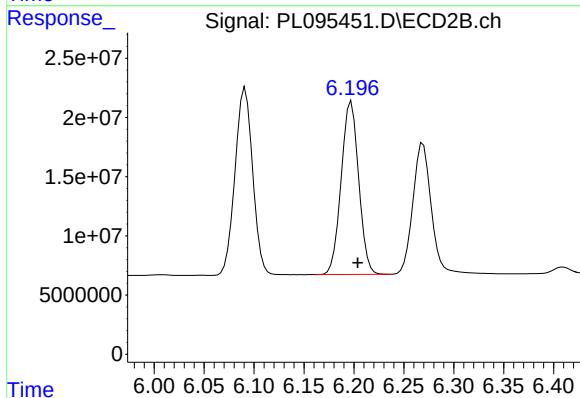
R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 181339682
Conc: 55.51 ng/ml



#17 4,4'-DDT

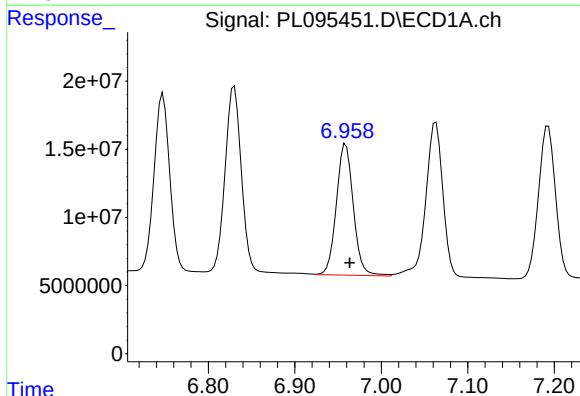
R.T.: 7.063 min
Delta R.T.: -0.005 min
Response: 154931281
Conc: 54.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



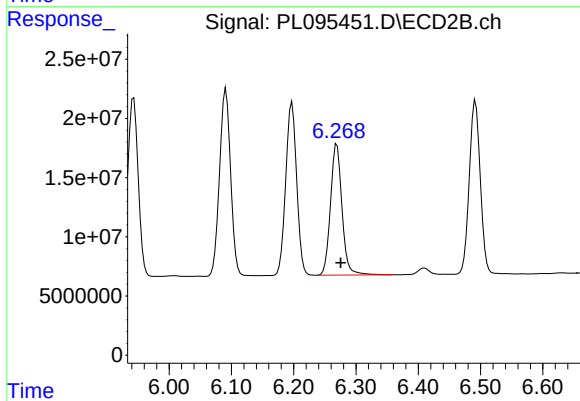
#17 4,4'-DDT

R.T.: 6.197 min
Delta R.T.: -0.006 min
Response: 178244505
Conc: 51.87 ng/ml



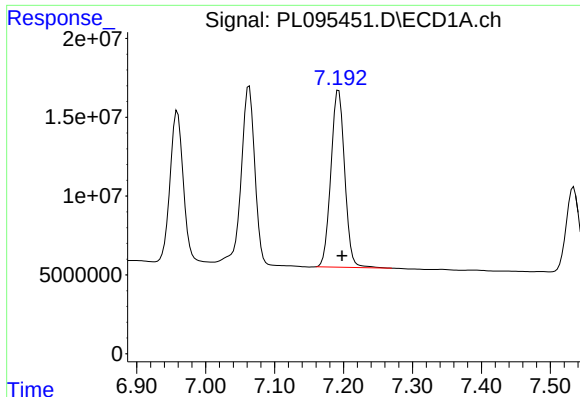
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.005 min
Response: 130220961
Conc: 56.11 ng/ml



#18 Endrin aldehyde

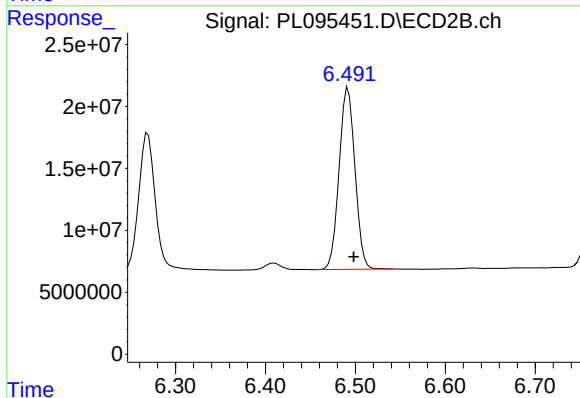
R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 142045996
Conc: 54.36 ng/ml



#19 Endosulfan Sulfate

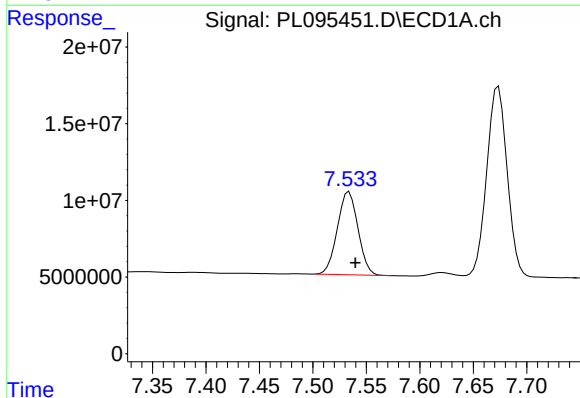
R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 155653995
Conc: 55.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



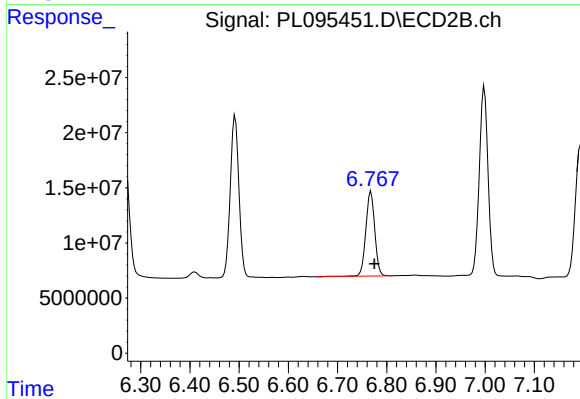
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.006 min
Response: 179822939
Conc: 54.20 ng/ml



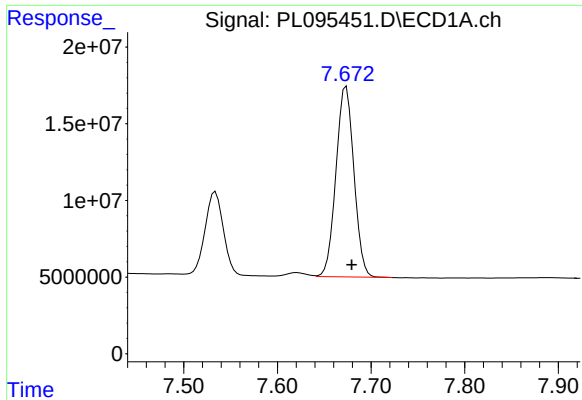
#20 Methoxychlor

R.T.: 7.534 min
Delta R.T.: -0.006 min
Response: 72562078
Conc: 52.01 ng/ml



#20 Methoxychlor

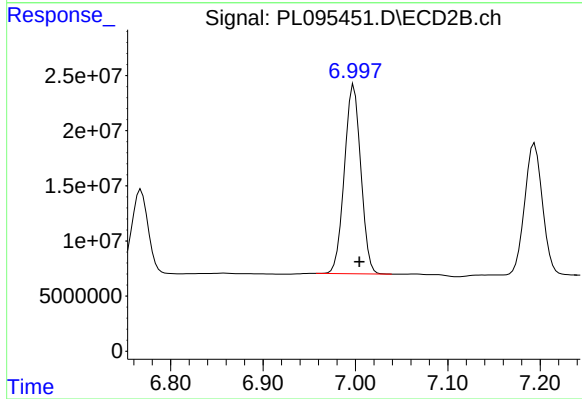
R.T.: 6.768 min
Delta R.T.: -0.007 min
Response: 97262294
Conc: 50.99 ng/ml



#21 Endrin ketone

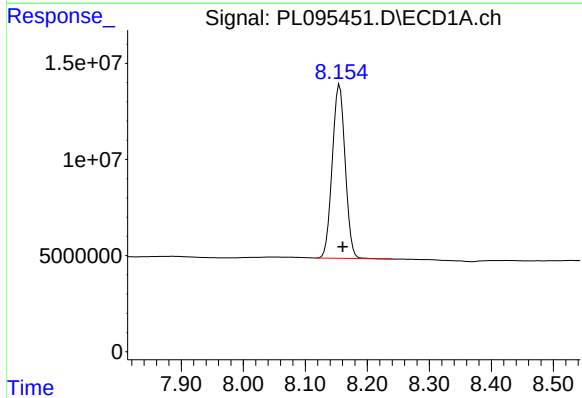
R.T.: 7.674 min
Delta R.T.: -0.006 min
Response: 165613167
Conc: 58.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



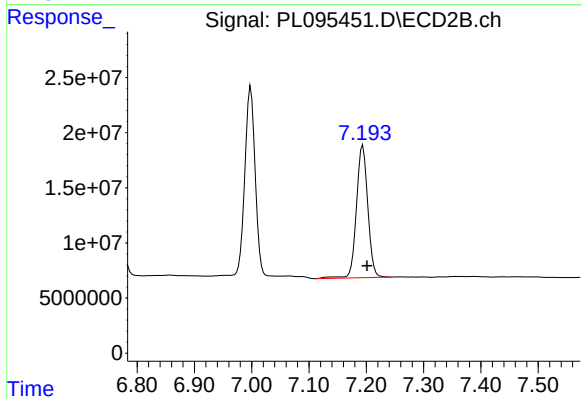
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: -0.006 min
Response: 211417343
Conc: 60.04 ng/ml



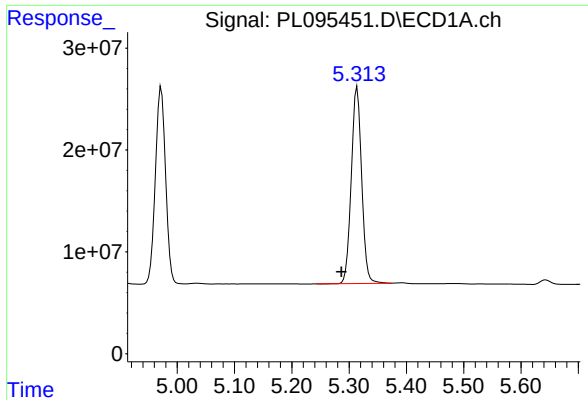
#22 Mirex

R.T.: 8.155 min
Delta R.T.: -0.005 min
Response: 131359260
Conc: 55.28 ng/ml



#22 Mirex

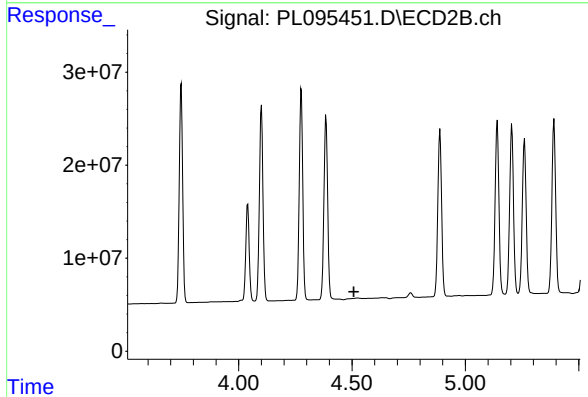
R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 165554731
Conc: 57.44 ng/ml



#24 Chlordane-2

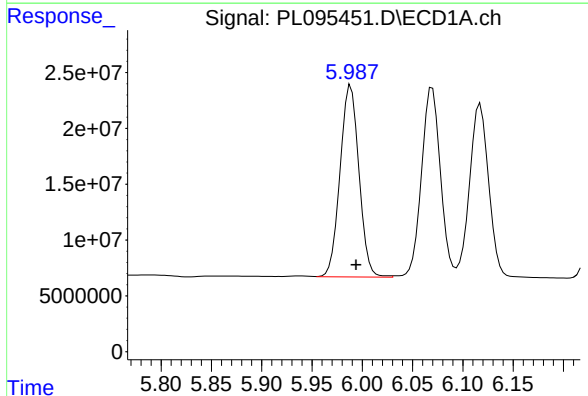
R.T.: 5.314 min
Delta R.T.: 0.027 min
Response: 244242332
Conc: 1153.63 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



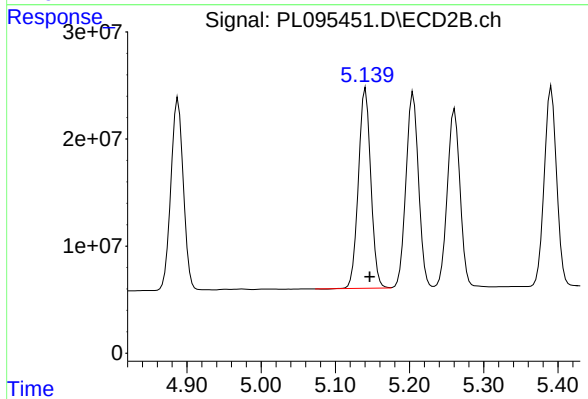
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.508 min
Response: 0
Conc: N.D.



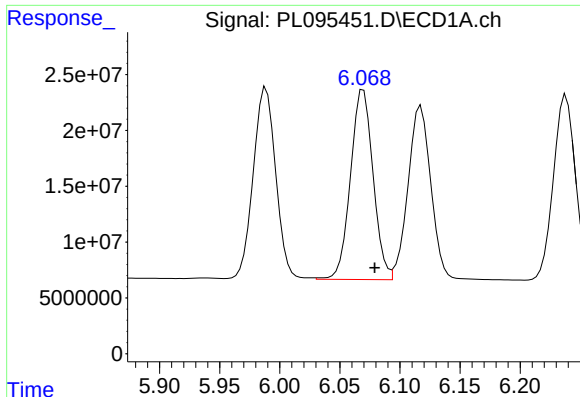
#25 Chlordane-3

R.T.: 5.989 min
Delta R.T.: -0.005 min
Response: 224047344
Conc: 287.64 ng/ml



#25 Chlordane-3

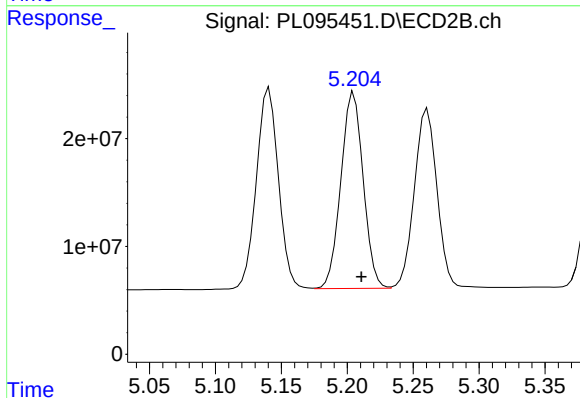
R.T.: 5.141 min
Delta R.T.: -0.006 min
Response: 217329585
Conc: 420.67 ng/ml



#26 Chlordane-4

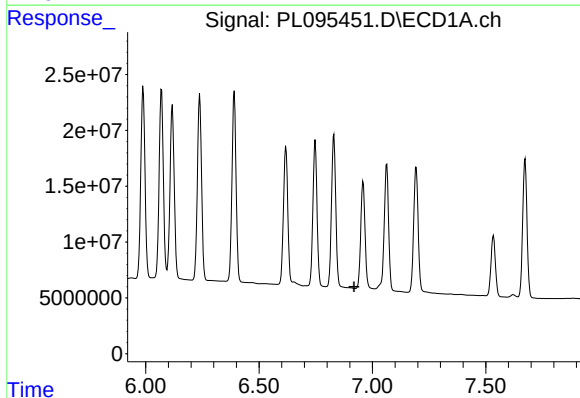
R.T.: 6.070 min
Delta R.T.: -0.009 min
Response: 222705903
Conc: 236.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



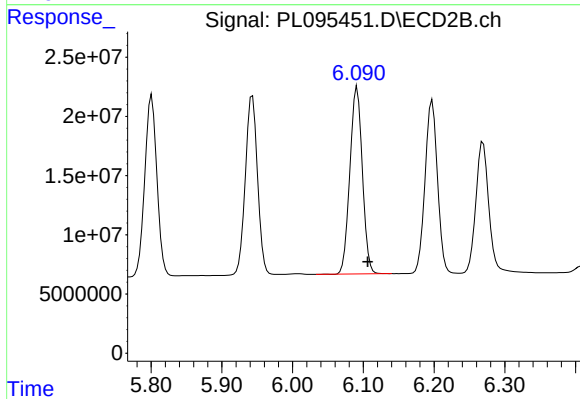
#26 Chlordane-4

R.T.: 5.205 min
Delta R.T.: -0.006 min
Response: 214280820
Conc: 493.04 ng/ml



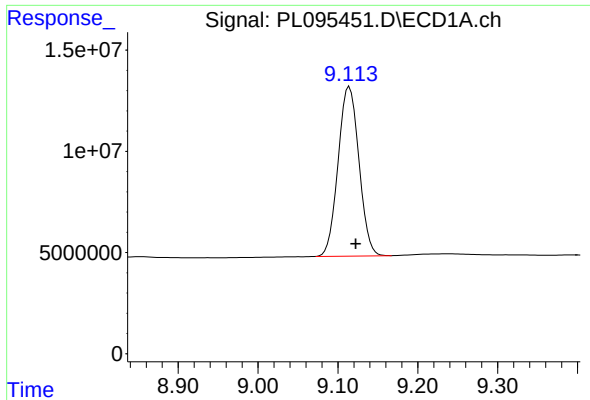
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

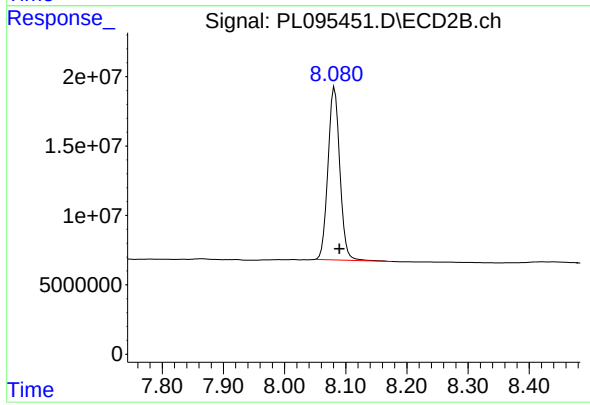
R.T.: 6.091 min
Delta R.T.: -0.015 min
Response: 194304216
Conc: 1051.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min
Delta R.T.: -0.008 min
Response: 151812184
Conc: 54.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.008 min
Response: 167549987
Conc: 56.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 12:38
 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: Apr 30 00:55:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.594	2.904	73847433	69558881	22.620	21.876
28)	SA Decachlor...	9.118	8.082	70631713	72706466	25.491	24.569
Target Compounds							
2)	A alpha-BHC	4.044	3.413	55114385	49020442	11.126	11.019
3)	MA gamma-BHC...	4.376	3.747	55998831	47560250	11.829	10.814
6)	B beta-BHC	4.562	4.041	23240504	23648552	11.241	11.392
14)	MA Endrin	6.621	5.802	181.1E6	186.1E6	56.870	51.115
16)	A 4,4'-DDD	6.751	5.944	20758534	19012875	7.333	5.820
17)	MA 4,4'-DDT	7.066	6.198	321.1E6	357.8E6	112.732	104.137
20)	A Methoxychlor	7.537	6.769	359.7E6	428.6E6	257.826	224.726
21)	B Endrin ke...	7.676	6.999	10695513	13075829	3.752	3.713
22)	Mirex	0.000	7.221f	0	9426760	N.D.	3.270 #

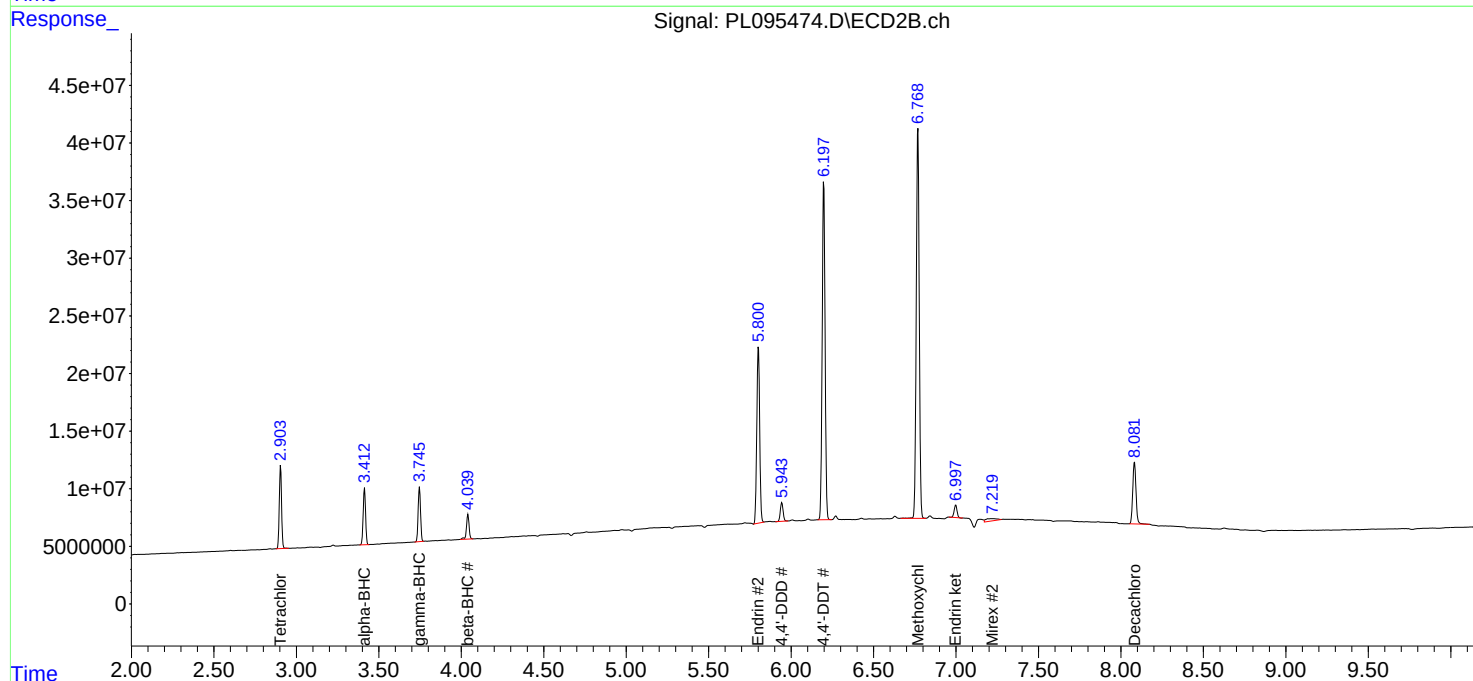
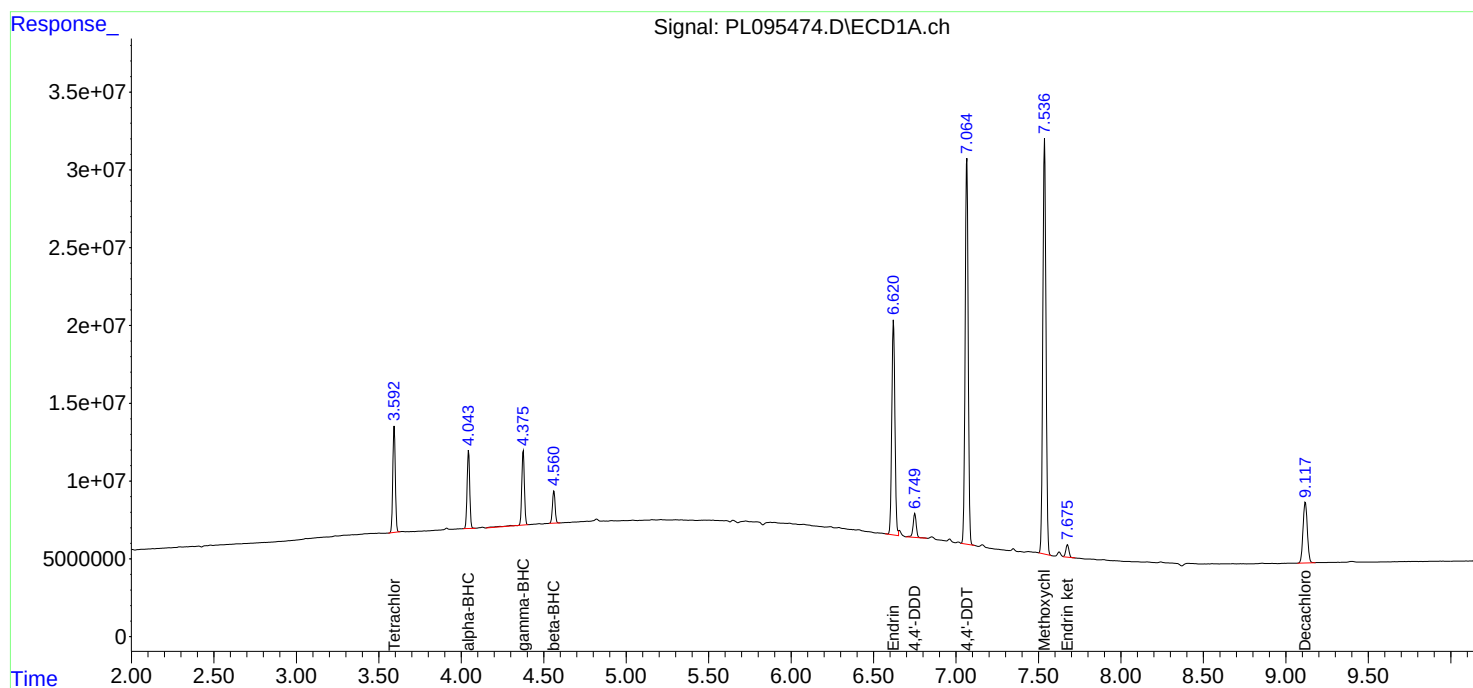
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

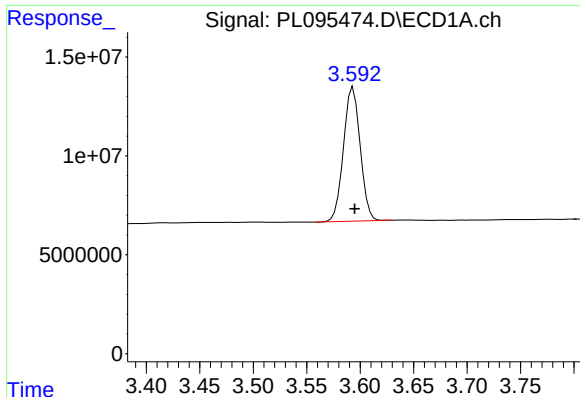
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

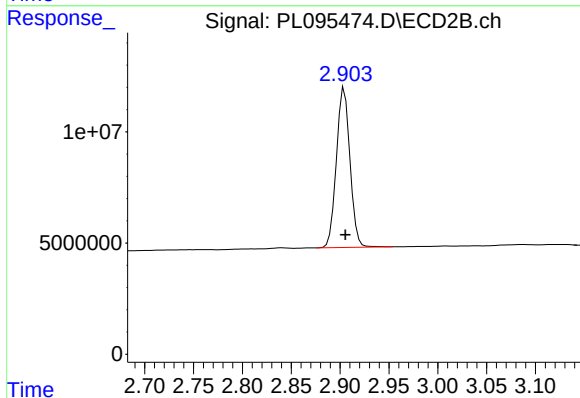




#1 Tetrachloro-m-xylene

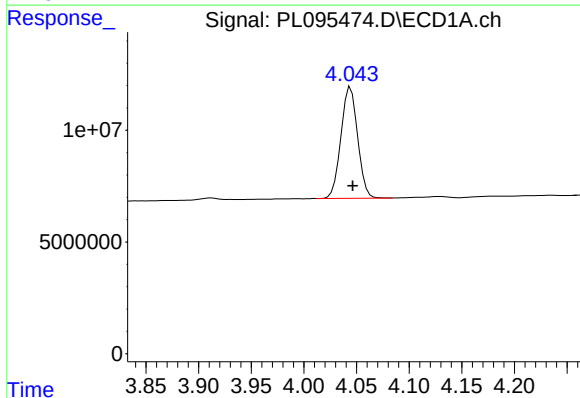
R.T.: 3.594 min
Delta R.T.: -0.002 min
Response: 73847433
Conc: 22.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



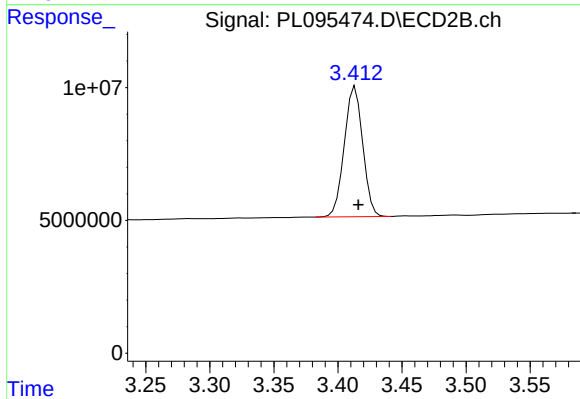
#1 Tetrachloro-m-xylene

R.T.: 2.904 min
Delta R.T.: -0.001 min
Response: 69558881
Conc: 21.88 ng/ml



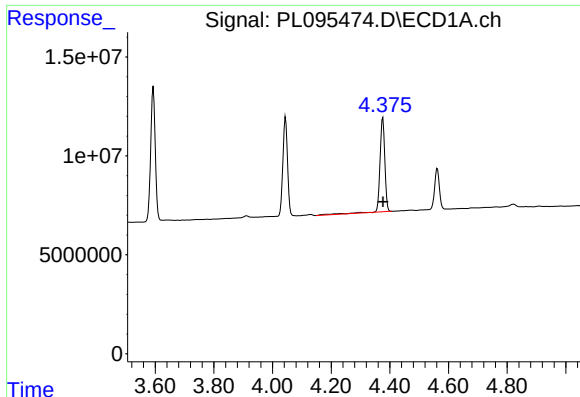
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 55114385
Conc: 11.13 ng/ml



#2 alpha-BHC

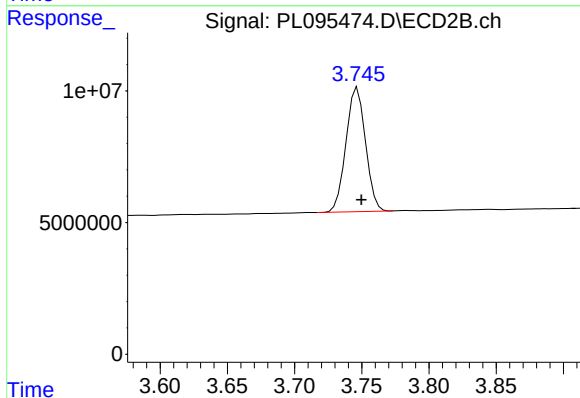
R.T.: 3.413 min
Delta R.T.: -0.003 min
Response: 49020442
Conc: 11.02 ng/ml



#3 gamma-BHC (Lindane)

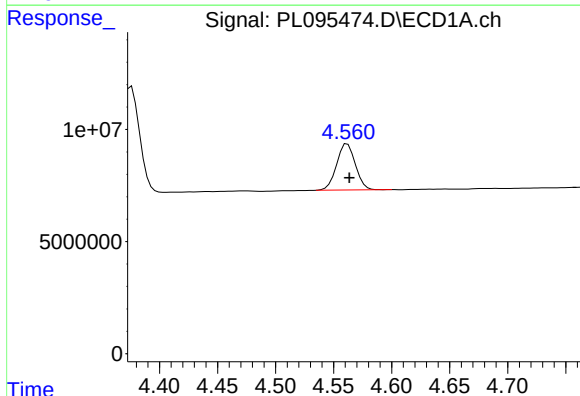
R.T.: 4.376 min
Delta R.T.: -0.002 min
Response: 55998831
Conc: 11.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



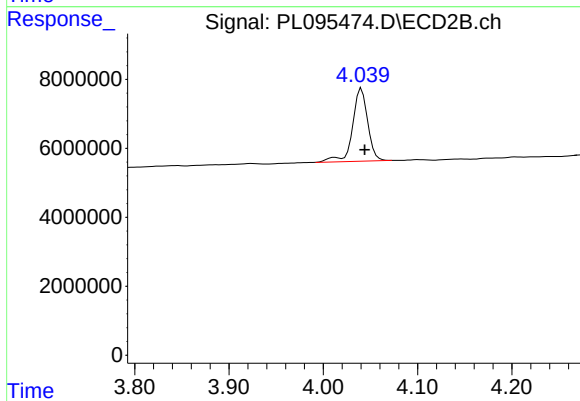
#3 gamma-BHC (Lindane)

R.T.: 3.747 min
Delta R.T.: -0.003 min
Response: 47560250
Conc: 10.81 ng/ml



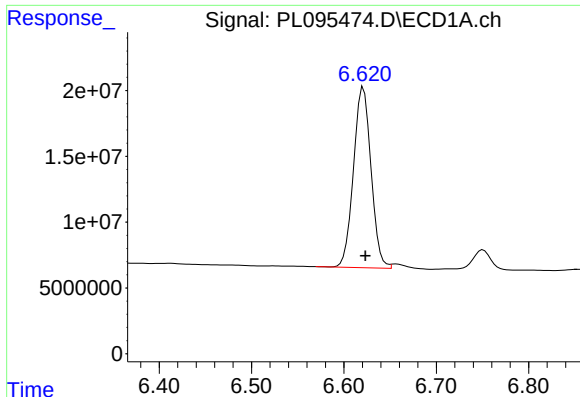
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 23240504
Conc: 11.24 ng/ml



#6 beta-BHC

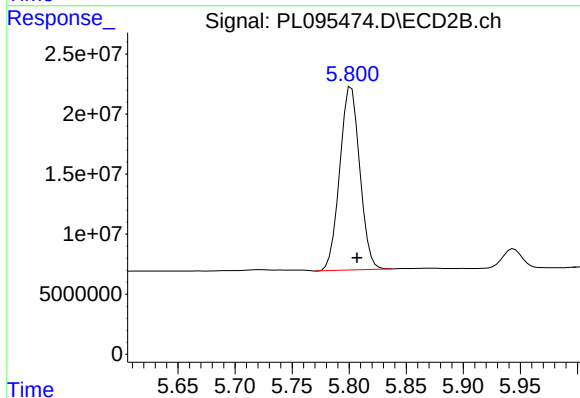
R.T.: 4.041 min
Delta R.T.: -0.003 min
Response: 23648552
Conc: 11.39 ng/ml



#14 Endrin

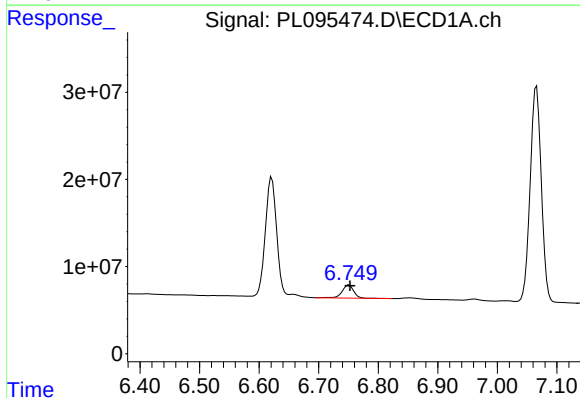
R.T.: 6.621 min
Delta R.T.: -0.002 min
Response: 181116157
Conc: 56.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



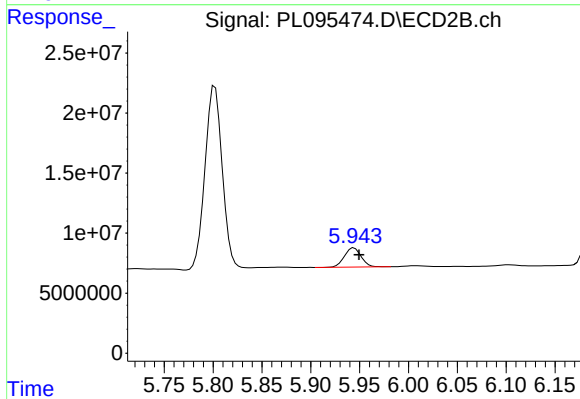
#14 Endrin

R.T.: 5.802 min
Delta R.T.: -0.005 min
Response: 186094708
Conc: 51.11 ng/ml



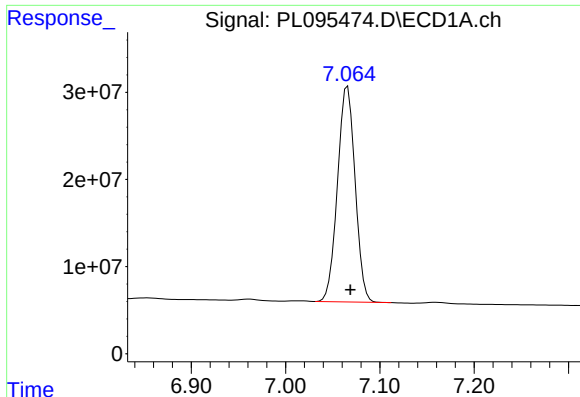
#16 4,4'-DDD

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 20758534
Conc: 7.33 ng/ml



#16 4,4'-DDD

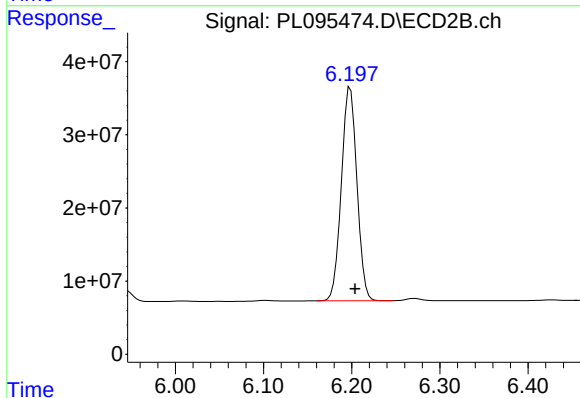
R.T.: 5.944 min
Delta R.T.: -0.005 min
Response: 19012875
Conc: 5.82 ng/ml



#17 4,4'-DDT

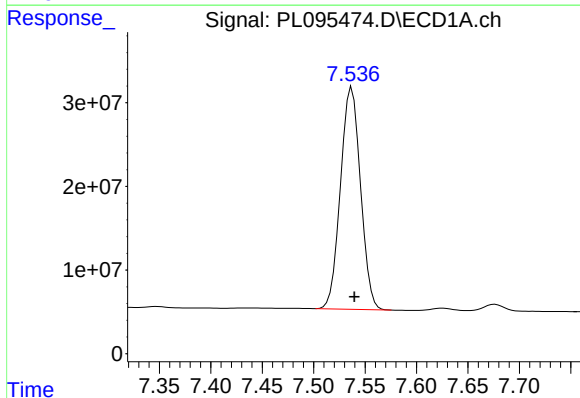
R.T.: 7.066 min
Delta R.T.: -0.003 min
Response: 321126306
Conc: 112.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



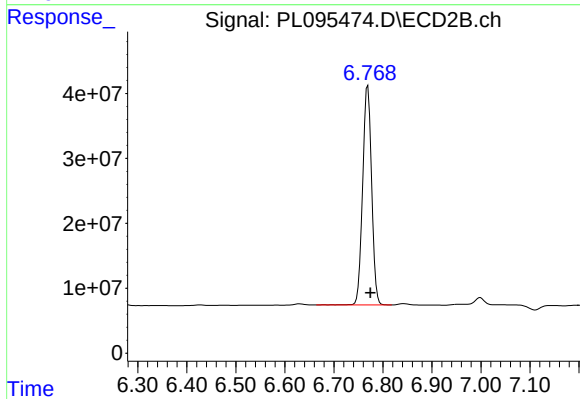
#17 4,4'-DDT

R.T.: 6.198 min
Delta R.T.: -0.005 min
Response: 357832572
Conc: 104.14 ng/ml



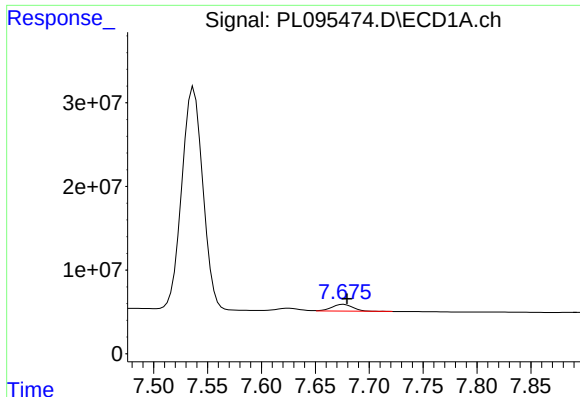
#20 Methoxychlor

R.T.: 7.537 min
Delta R.T.: -0.002 min
Response: 359700476
Conc: 257.83 ng/ml



#20 Methoxychlor

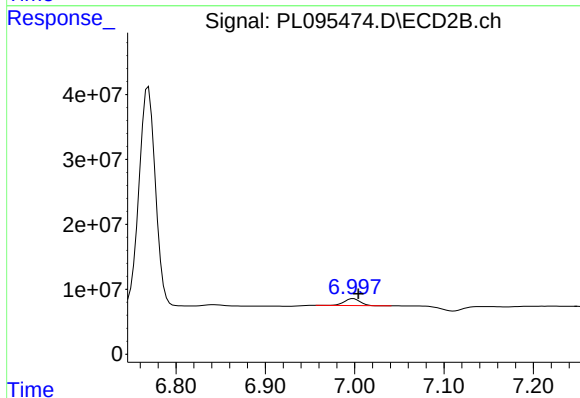
R.T.: 6.769 min
Delta R.T.: -0.006 min
Response: 428648212
Conc: 224.73 ng/ml



#21 Endrin ketone

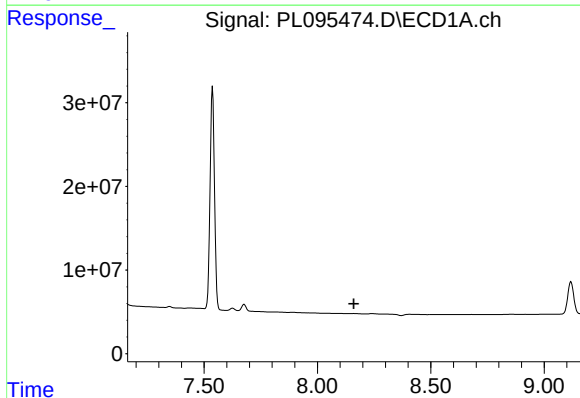
R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 10695513
Conc: 3.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



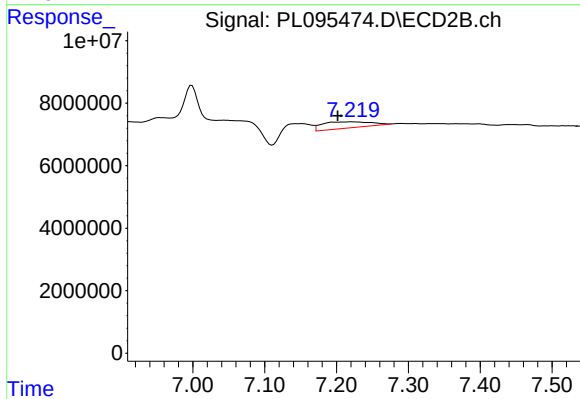
#21 Endrin ketone

R.T.: 6.999 min
Delta R.T.: -0.006 min
Response: 13075829
Conc: 3.71 ng/ml



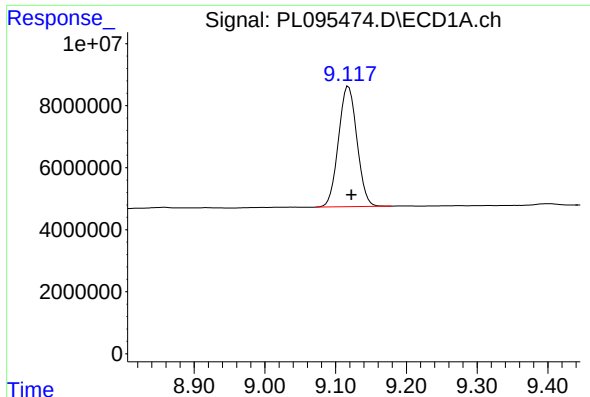
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.161 min
Response: 0
Conc: N.D.



#22 Mirex

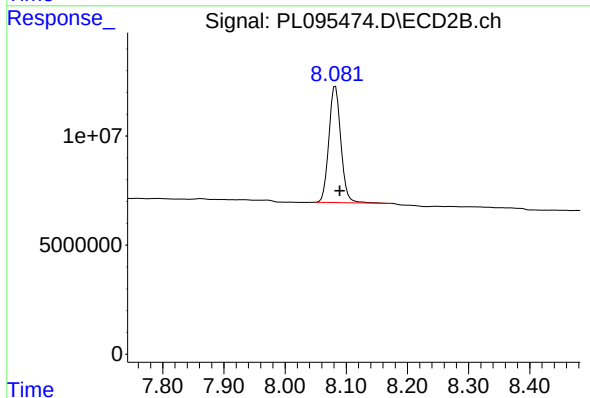
R.T.: 7.221 min
Delta R.T.: 0.020 min
Response: 9426760
Conc: 3.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 70631713
Conc: 25.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.082 min
Delta R.T.: -0.007 min
Response: 72706466
Conc: 24.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:07
 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: Apr 30 00:55:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.594	2.903	168.8E6	156.2E6	51.720	49.112
28)	SA Decachlor...	9.118	8.081	149.3E6	158.5E6	53.875	53.558
Target Compounds							
2)	A alpha-BHC	4.045	3.412	260.9E6	227.6E6	52.676	51.167
3)	MA gamma-BHC...	4.376	3.746	238.2E6	220.4E6	50.324	50.117
4)	MA Heptachlor	4.974	4.100	234.4E6	207.1E6	51.249	47.534
5)	MB Aldrin	5.316	4.385	238.9E6	202.2E6	52.016	49.136
6)	B beta-BHC	4.562	4.039	107.2E6	101.0E6	51.835	48.655
7)	B delta-BHC	0.000	4.275	0	218.8E6	N.D.	49.935 #
8)	B Heptachlo...	5.736	4.887	213.7E6	189.0E6	53.353	48.918
9)	A Endosulfan I	6.119	5.260	204.0E6	182.5E6	53.721	49.844
10)	B gamma-Chl...	5.991	5.140	220.5E6	198.3E6	54.040	48.937
11)	B alpha-Chl...	6.071	5.204	218.3E6	195.1E6	53.692	49.010
12)	B 4,4'-DDE	6.240	5.390	211.9E6	196.9E6	54.050	48.406
13)	MA Dieldrin	6.393	5.525	212.1E6	197.5E6	55.029	48.570
14)	MA Endrin	6.620	5.800	160.4E6	161.8E6	50.372	44.445
15)	B Endosulfa...	6.832	6.090	182.6E6	178.2E6	57.213	49.628
16)	A 4,4'-DDD	6.750	5.942	168.8E6	168.3E6	59.623	51.514
17)	MA 4,4'-DDT	7.065	6.196	149.7E6	157.1E6	52.564	45.712
18)	B Endrin al...	6.961	6.269	129.8E6	130.4E6	55.933	49.913
19)	B Endosulfa...	7.194	6.492	154.4E6	166.9E6	55.117	50.310
20)	A Methoxychlor	7.536	6.767	68941613	84372136	49.416	44.233
21)	B Endrin ke...	7.676	6.997	168.7E6	201.1E6	59.188	57.110
22)	Mirex	8.157	7.194	129.0E6	162.8E6	54.296	56.482
24)	Chlordane-2	5.316f	0.000	238.9E6	0	1128.447	N.D. #
25)	Chlordane-3	5.991	5.140	220.5E6	198.3E6	283.018	383.892 #
26)	Chlordane-4	6.071	5.204	218.3E6	195.1E6	231.528	448.937 #
27)	Chlordane-5	0.000	6.090	0	178.2E6	N.D.	964.718 #

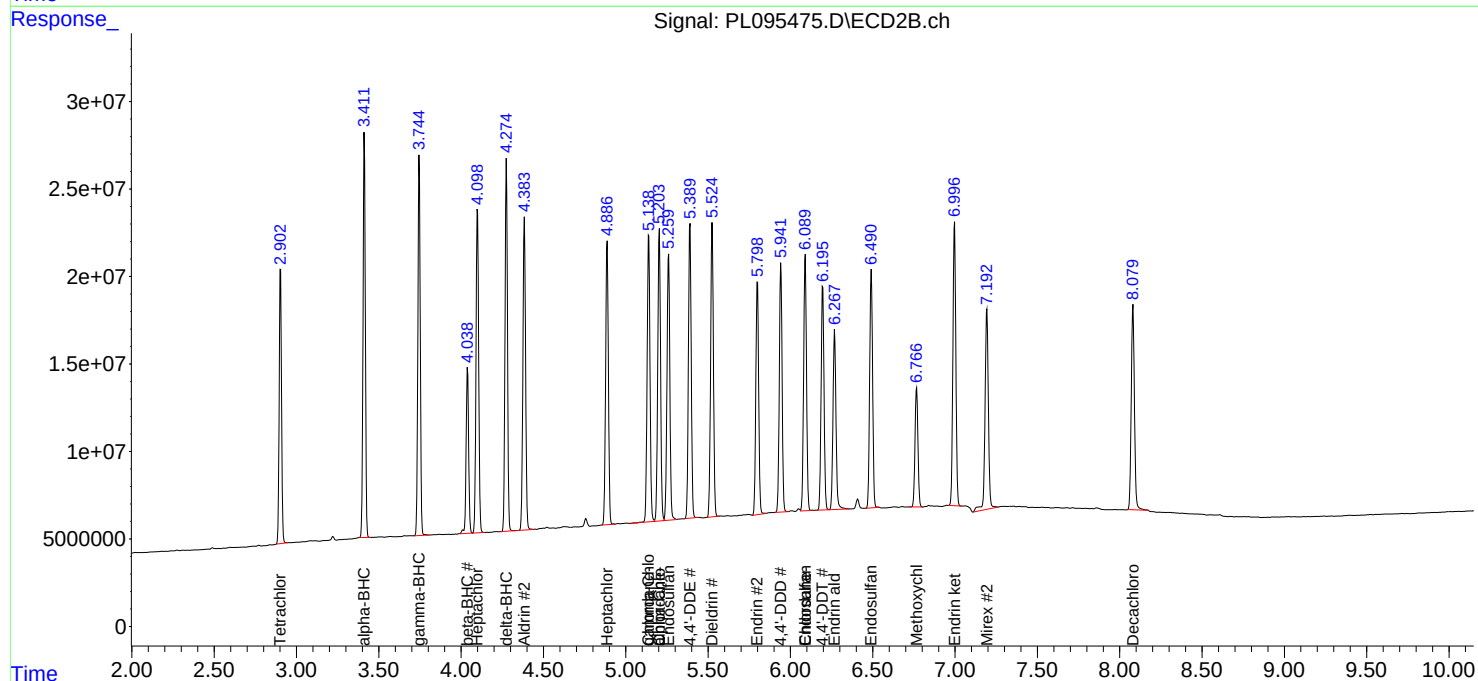
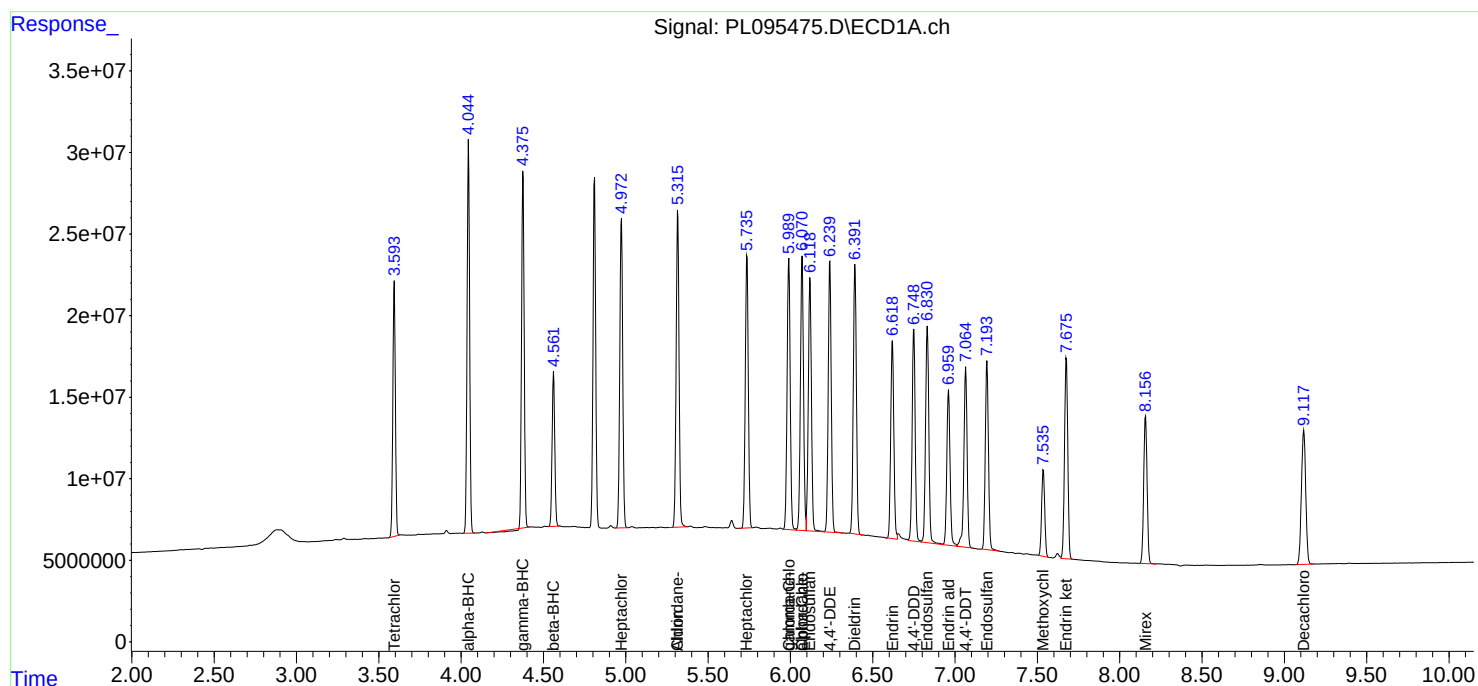
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

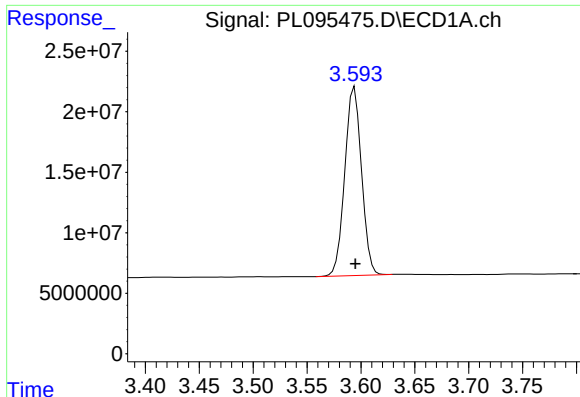
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:55:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

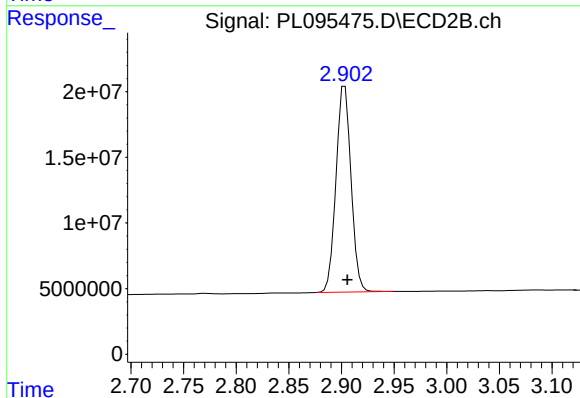




#1 Tetrachloro-m-xylene

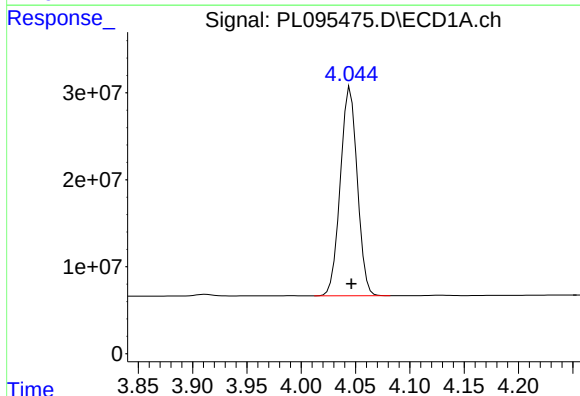
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 168849799
Conc: 51.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



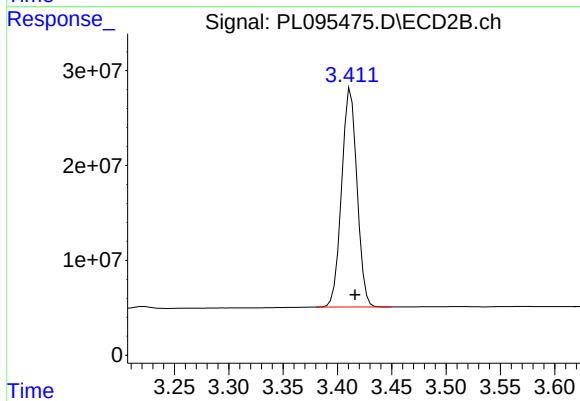
#1 Tetrachloro-m-xylene

R.T.: 2.903 min
Delta R.T.: -0.002 min
Response: 156162686
Conc: 49.11 ng/ml



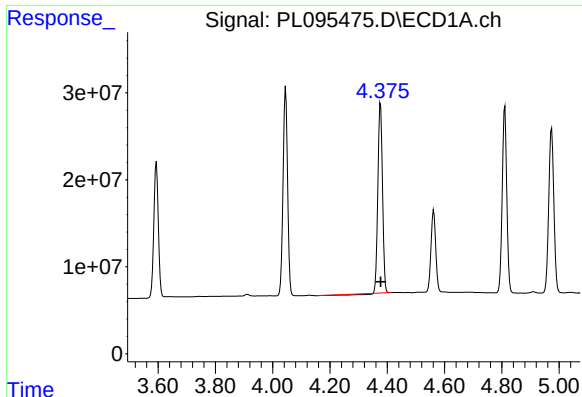
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.001 min
Response: 260944383
Conc: 52.68 ng/ml



#2 alpha-BHC

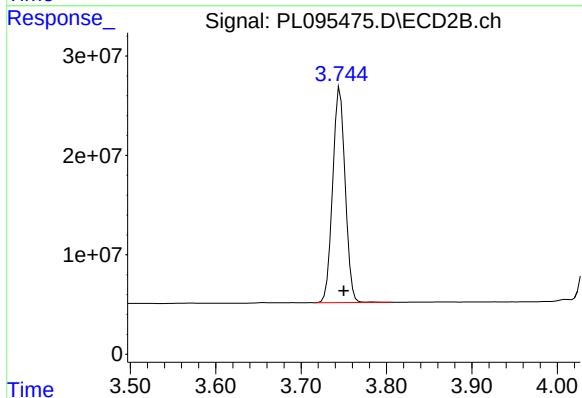
R.T.: 3.412 min
Delta R.T.: -0.004 min
Response: 227626343
Conc: 51.17 ng/ml



#3 gamma-BHC (Lindane)

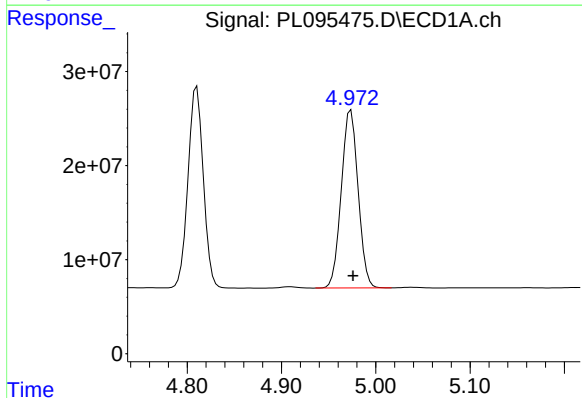
R.T.: 4.376 min
Delta R.T.: -0.001 min
Response: 238230862
Conc: 50.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



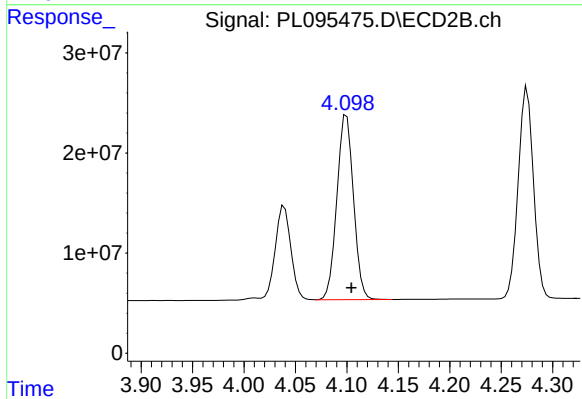
#3 gamma-BHC (Lindane)

R.T.: 3.746 min
Delta R.T.: -0.004 min
Response: 220426832
Conc: 50.12 ng/ml



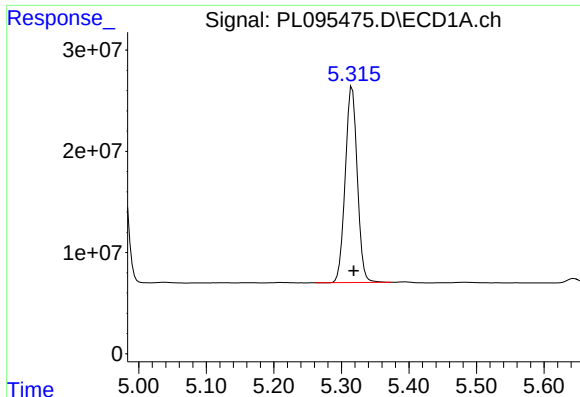
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 234434739
Conc: 51.25 ng/ml



#4 Heptachlor

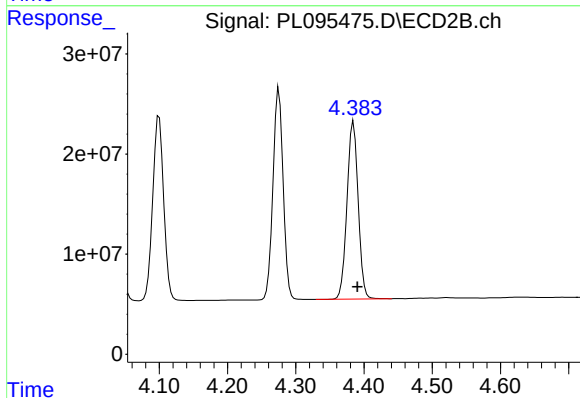
R.T.: 4.100 min
Delta R.T.: -0.005 min
Response: 207089769
Conc: 47.53 ng/ml



#5 Aldrin

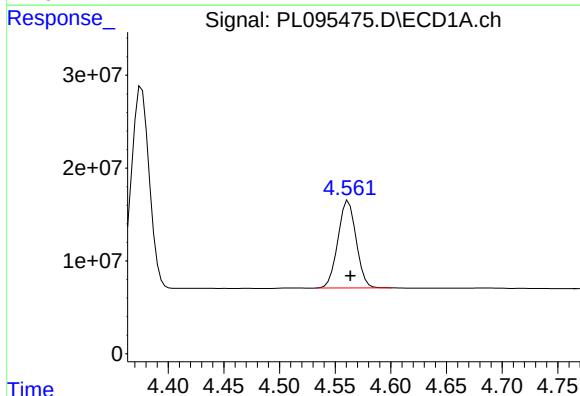
R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 238910048
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



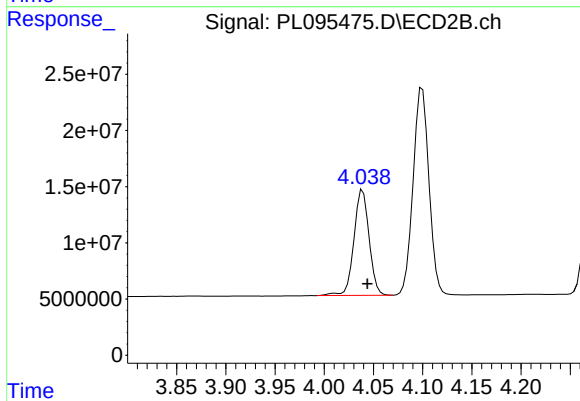
#5 Aldrin

R.T.: 4.385 min
Delta R.T.: -0.005 min
Response: 202226535
Conc: 49.14 ng/ml



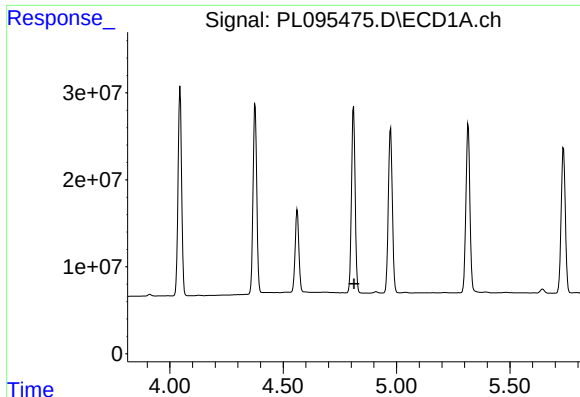
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: -0.002 min
Response: 107169482
Conc: 51.83 ng/ml



#6 beta-BHC

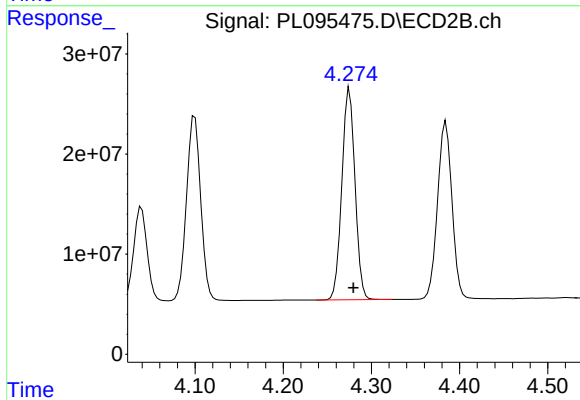
R.T.: 4.039 min
Delta R.T.: -0.005 min
Response: 101001080
Conc: 48.65 ng/ml



#7 delta-BHC

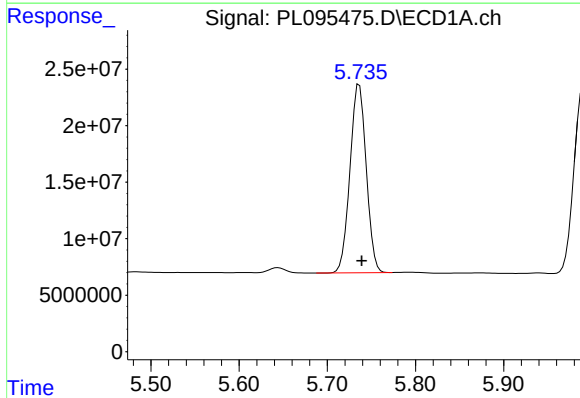
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



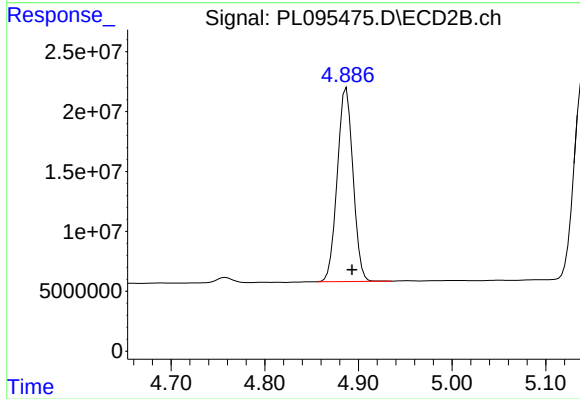
#7 delta-BHC

R.T.: 4.275 min
Delta R.T.: -0.005 min
Response: 218811923
Conc: 49.93 ng/ml



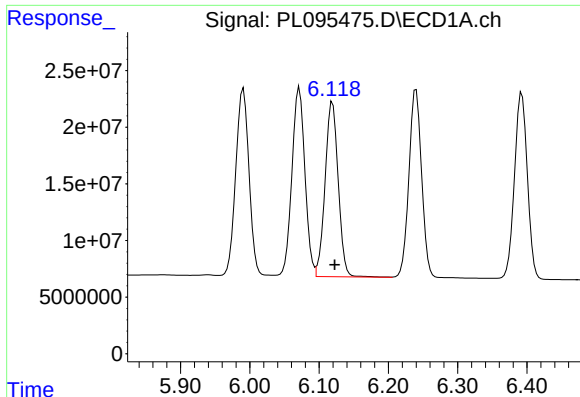
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 213687424
Conc: 53.35 ng/ml



#8 Heptachlor epoxide

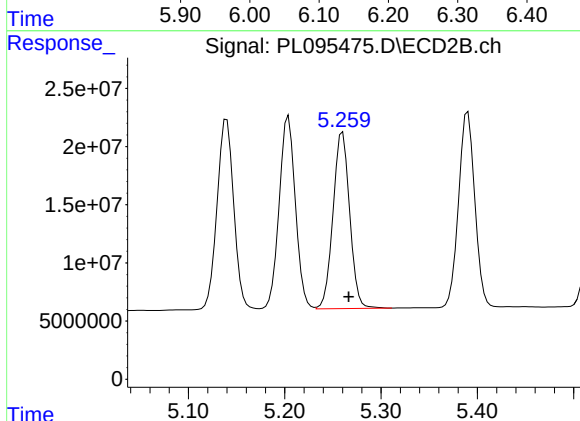
R.T.: 4.887 min
Delta R.T.: -0.006 min
Response: 188955093
Conc: 48.92 ng/ml



#9 Endosulfan I

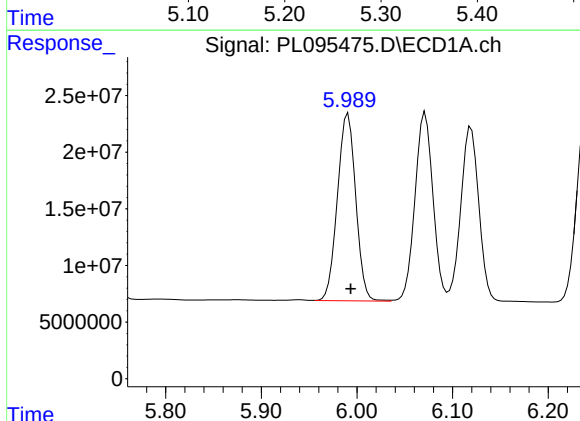
R.T.: 6.119 min
Delta R.T.: -0.003 min
Response: 204005762
Conc: 53.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



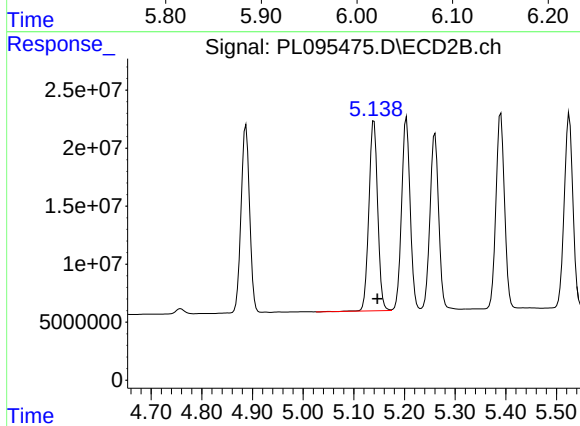
#9 Endosulfan I

R.T.: 5.260 min
Delta R.T.: -0.006 min
Response: 182450940
Conc: 49.84 ng/ml



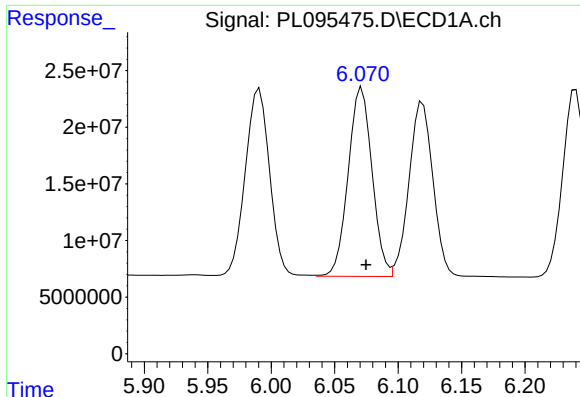
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 220450175
Conc: 54.04 ng/ml



#10 gamma-Chlordane

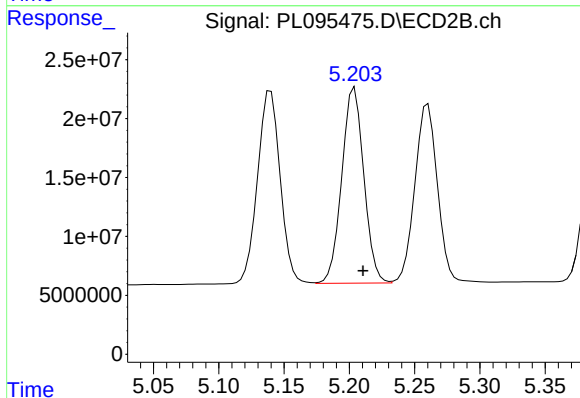
R.T.: 5.140 min
Delta R.T.: -0.007 min
Response: 198327139
Conc: 48.94 ng/ml



#11 alpha-Chlordane

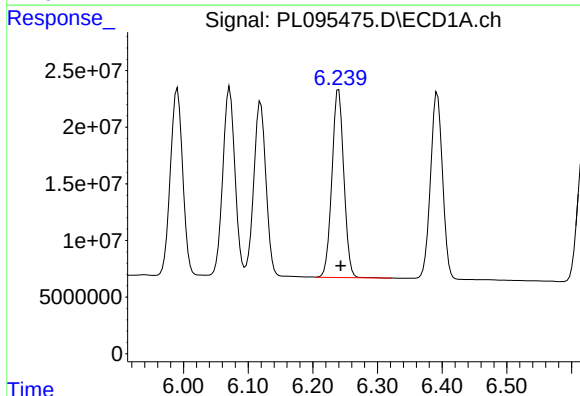
R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 218314724
Conc: 53.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



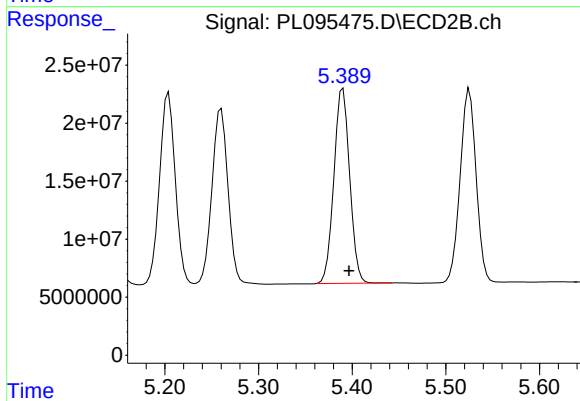
#11 alpha-Chlordane

R.T.: 5.204 min
Delta R.T.: -0.007 min
Response: 195113115
Conc: 49.01 ng/ml



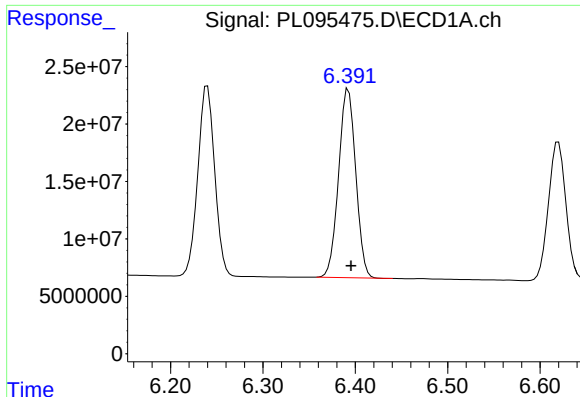
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 211906002
Conc: 54.05 ng/ml



#12 4,4'-DDE

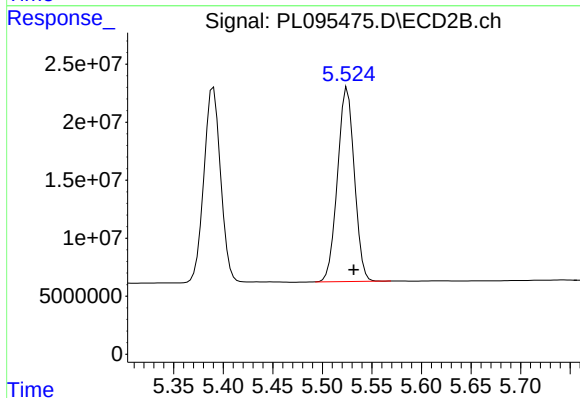
R.T.: 5.390 min
Delta R.T.: -0.007 min
Response: 196864195
Conc: 48.41 ng/ml



#13 Dieldrin

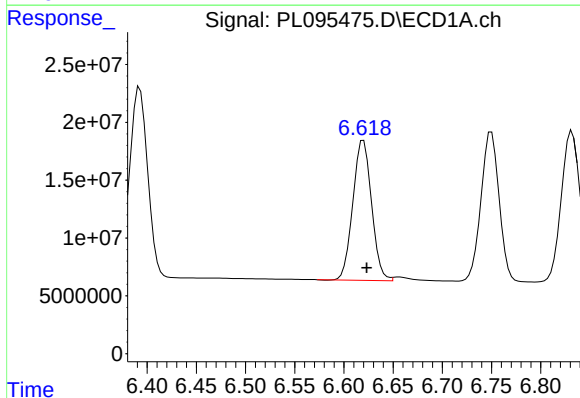
R.T.: 6.393 min
Delta R.T.: -0.003 min
Response: 212125311
Conc: 55.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



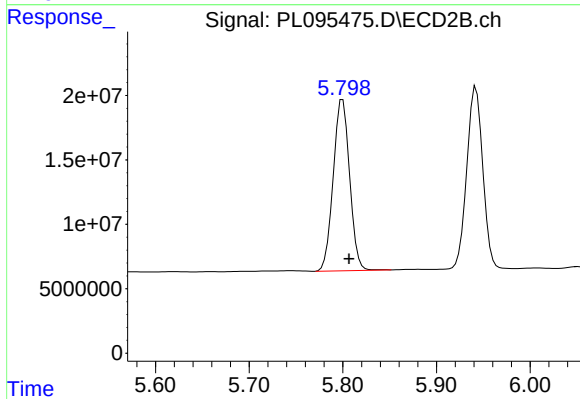
#13 Dieldrin

R.T.: 5.525 min
Delta R.T.: -0.007 min
Response: 197537236
Conc: 48.57 ng/ml



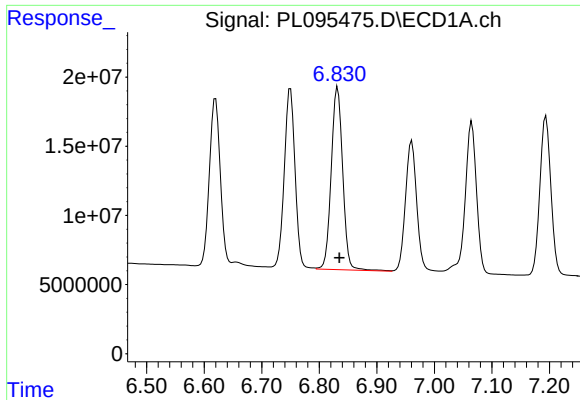
#14 Endrin

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 160422335
Conc: 50.37 ng/ml



#14 Endrin

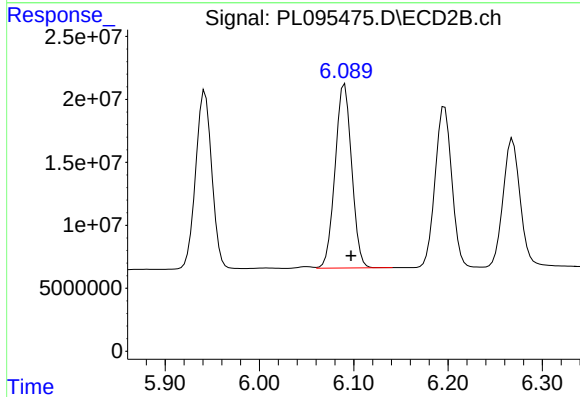
R.T.: 5.800 min
Delta R.T.: -0.007 min
Response: 161811532
Conc: 44.44 ng/ml



#15 Endosulfan II

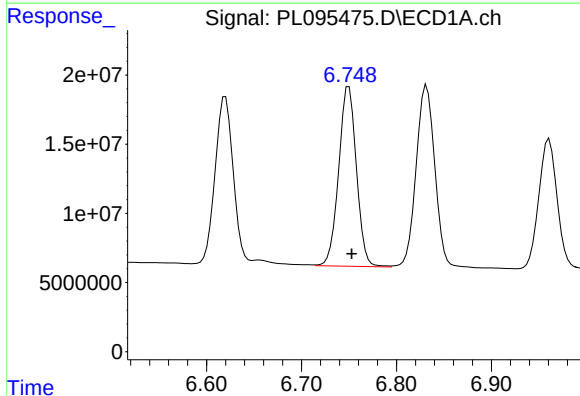
R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 182633944
Conc: 57.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



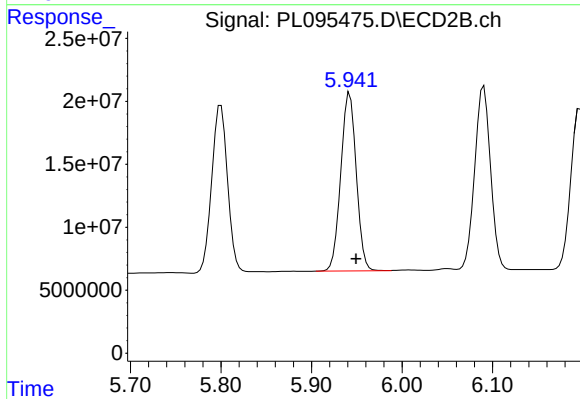
#15 Endosulfan II

R.T.: 6.090 min
Delta R.T.: -0.007 min
Response: 178220942
Conc: 49.63 ng/ml



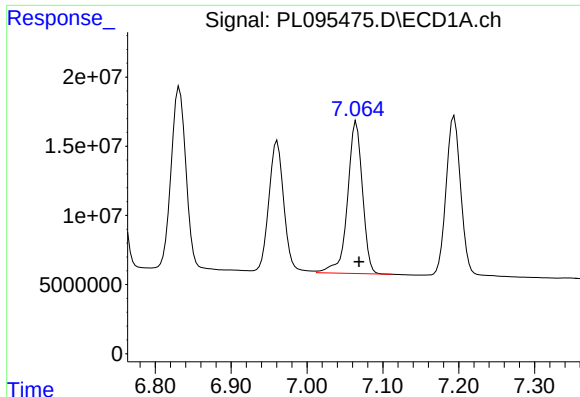
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 168790414
Conc: 59.62 ng/ml



#16 4,4'-DDD

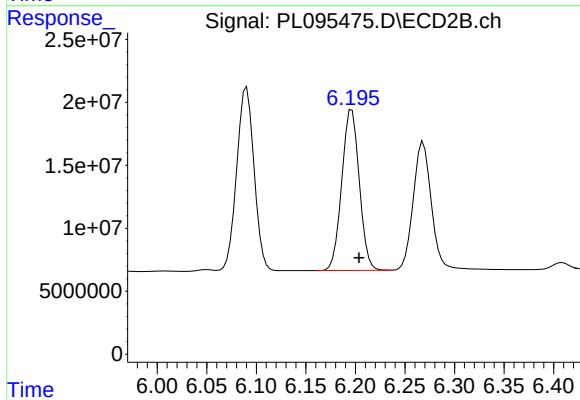
R.T.: 5.942 min
Delta R.T.: -0.007 min
Response: 168285836
Conc: 51.51 ng/ml



#17 4,4'-DDT

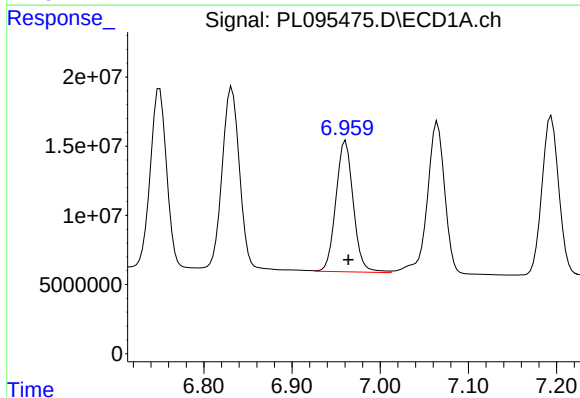
R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 149732587
Conc: 52.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



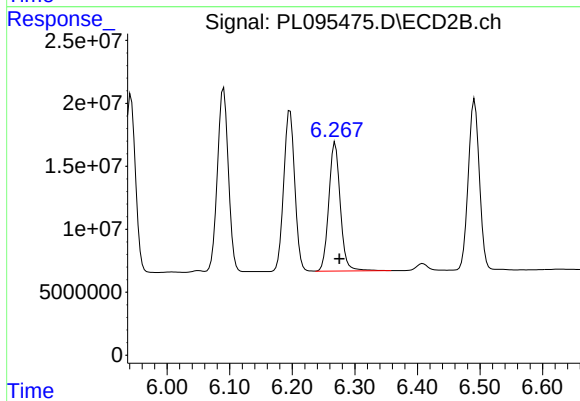
#17 4,4'-DDT

R.T.: 6.196 min
Delta R.T.: -0.007 min
Response: 157074710
Conc: 45.71 ng/ml



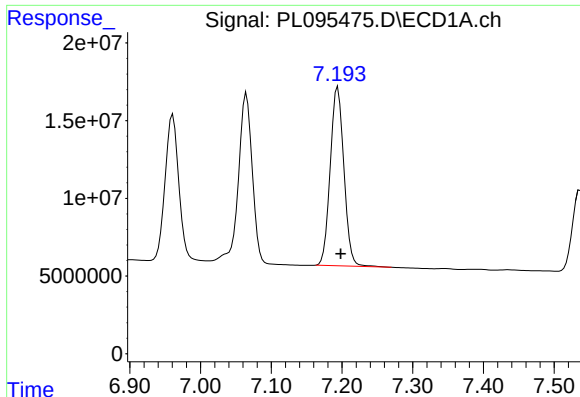
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.003 min
Response: 129809526
Conc: 55.93 ng/ml



#18 Endrin aldehyde

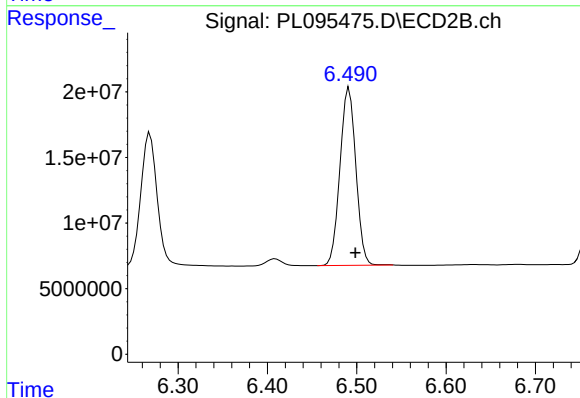
R.T.: 6.269 min
Delta R.T.: -0.007 min
Response: 130430292
Conc: 49.91 ng/ml



#19 Endosulfan Sulfate

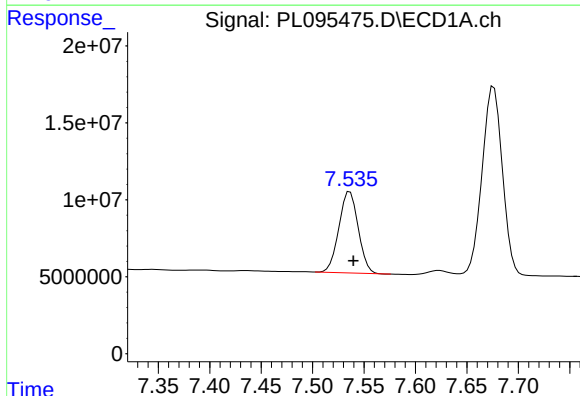
R.T.: 7.194 min
Delta R.T.: -0.004 min
Response: 154426776
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



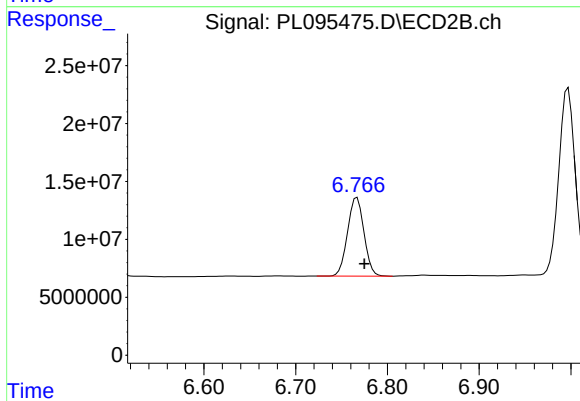
#19 Endosulfan Sulfate

R.T.: 6.492 min
Delta R.T.: -0.007 min
Response: 166926592
Conc: 50.31 ng/ml



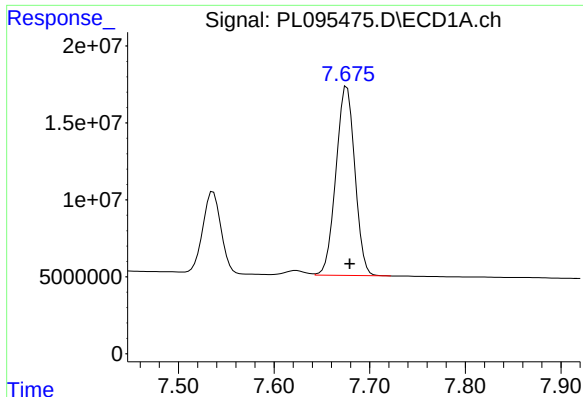
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.003 min
Response: 68941613
Conc: 49.42 ng/ml



#20 Methoxychlor

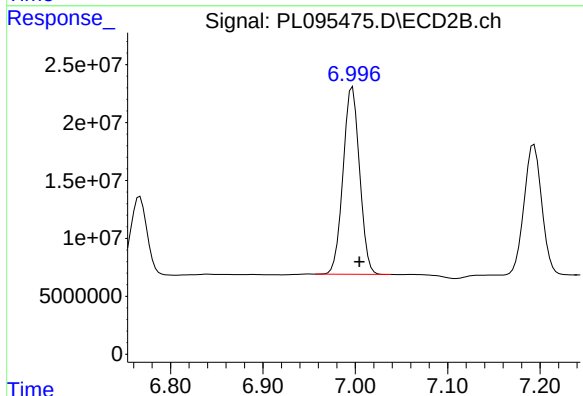
R.T.: 6.767 min
Delta R.T.: -0.008 min
Response: 84372136
Conc: 44.23 ng/ml



#21 Endrin ketone

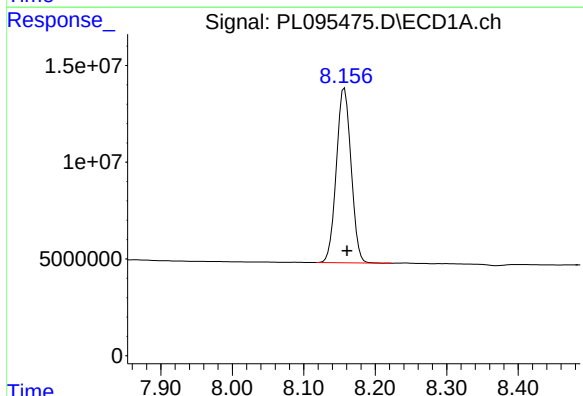
R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 168737424
Conc: 59.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



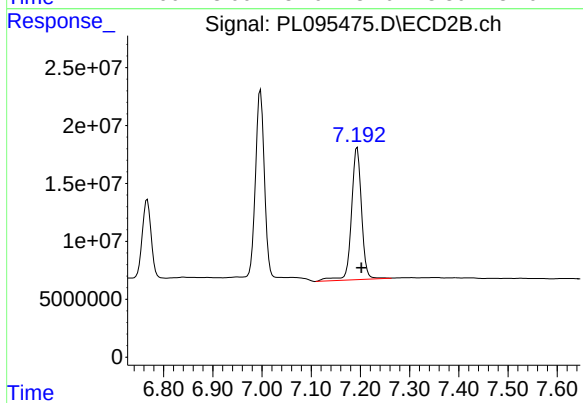
#21 Endrin ketone

R.T.: 6.997 min
Delta R.T.: -0.007 min
Response: 201102710
Conc: 57.11 ng/ml



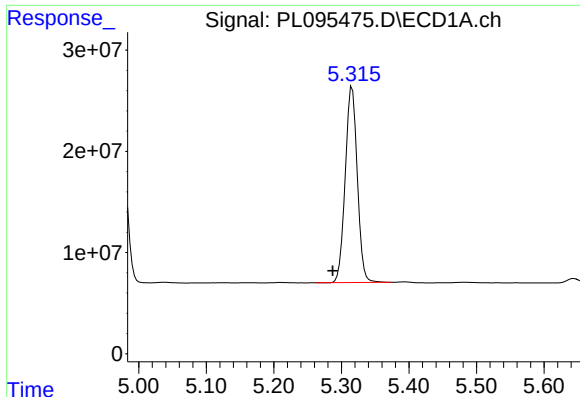
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 129009126
Conc: 54.30 ng/ml



#22 Mirex

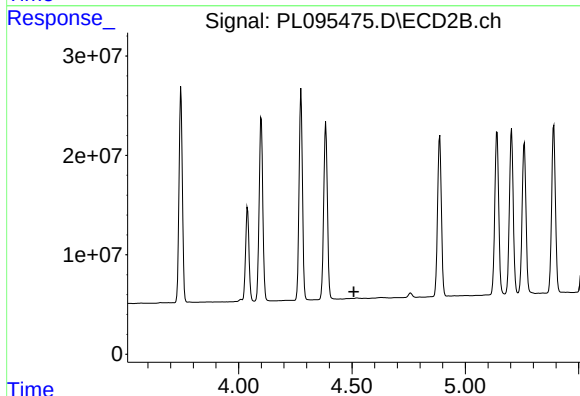
R.T.: 7.194 min
Delta R.T.: -0.008 min
Response: 162803030
Conc: 56.48 ng/ml



#24 Chlordane-2

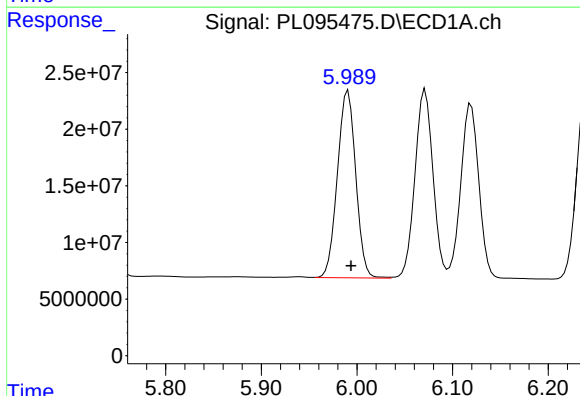
R.T.: 5.316 min
Delta R.T.: 0.029 min
Response: 238910048
Conc: 1128.45 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



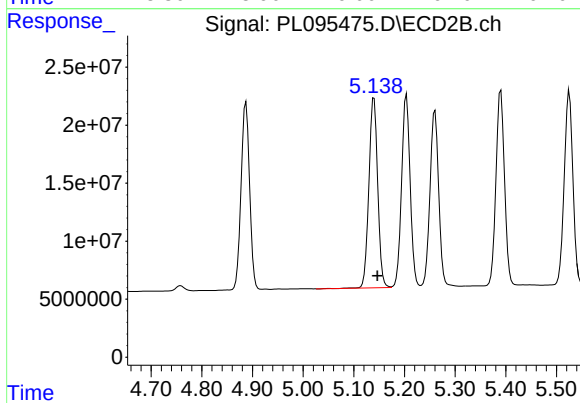
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.508 min
Response: 0
Conc: N.D.



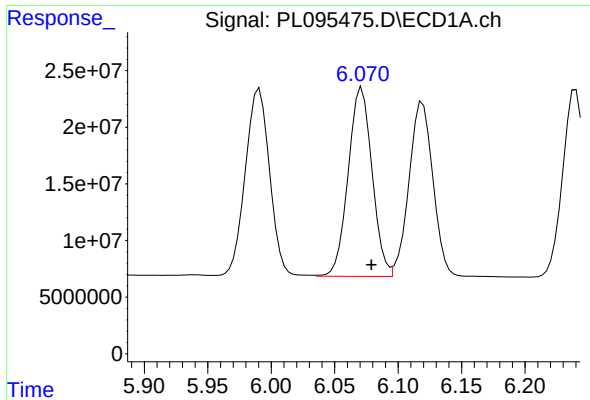
#25 Chlordane-3

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 220450175
Conc: 283.02 ng/ml



#25 Chlordane-3

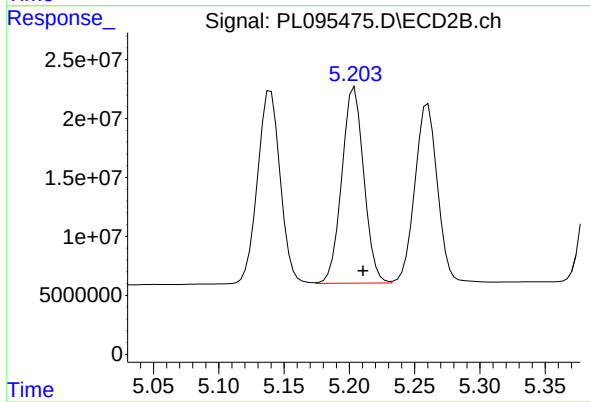
R.T.: 5.140 min
Delta R.T.: -0.007 min
Response: 198327139
Conc: 383.89 ng/ml



#26 Chlordane-4

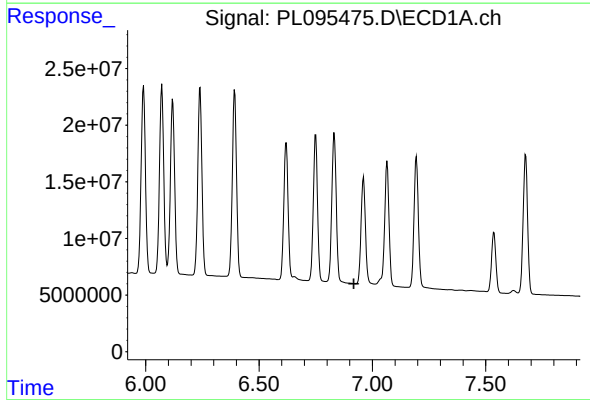
R.T.: 6.071 min
Delta R.T.: -0.008 min
Response: 218314724
Conc: 231.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



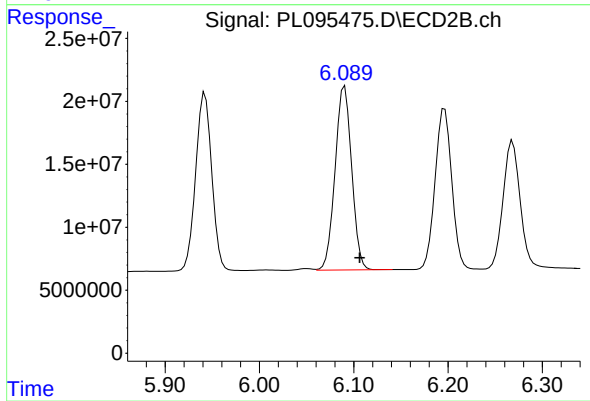
#26 Chlordane-4

R.T.: 5.204 min
Delta R.T.: -0.007 min
Response: 195113115
Conc: 448.94 ng/ml



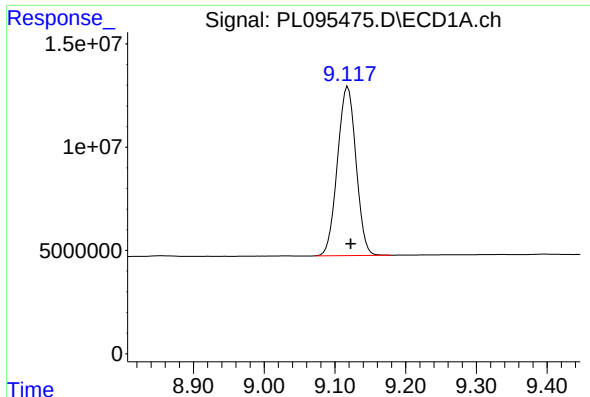
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

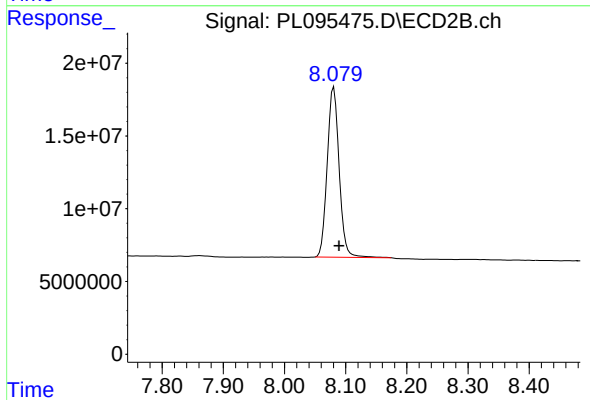
R.T.: 6.090 min
Delta R.T.: -0.016 min
Response: 178220942
Conc: 964.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 149276487
Conc: 53.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: -0.009 min
Response: 158493088
Conc: 53.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 17:24
 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: Apr 30 00:57:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.597	2.906	156.1E6	173.4E6	47.824	54.546
28)	SA Decachlor...	9.122	8.086	142.9E6	145.0E6	51.555	49.005
Target Compounds							
2)	A alpha-BHC	4.048	3.415	241.8E6	259.3E6	48.815	58.288
3)	MA gamma-BHC...	4.379	3.749	228.6E6	244.7E6	48.286	55.635
4)	MA Heptachlor	4.977	4.103	220.1E6	227.8E6	48.110	52.292
5)	MB Aldrin	5.319	4.388	227.0E6	230.9E6	49.429	56.098
6)	B beta-BHC	4.565	4.043	100.0E6	106.9E6	48.368	51.500
7)	B delta-BHC	0.000	4.279	0	249.5E6	N.D.	56.943 #
8)	B Heptachlo...	5.740	4.891	201.3E6	204.3E6	50.272	52.897
9)	A Endosulfan I	6.123	5.264	193.5E6	198.5E6	50.941	54.235
10)	B gamma-Chl...	5.993	5.144	208.2E6	230.1E6	51.046	56.787
11)	B alpha-Chl...	6.075	5.208	206.9E6	209.8E6	50.882	52.688
12)	B 4,4'-DDE	6.244	5.394	199.7E6	212.1E6	50.948	52.147
13)	MA Dieldrin	6.396	5.529	201.6E6	216.6E6	52.305	53.264
14)	MA Endrin	6.623	5.804	140.3E6	173.0E6	44.052	47.527
15)	B Endosulfa...	6.835	6.095	174.7E6	191.2E6	54.720	53.229
16)	A 4,4'-DDD	6.752	5.946	162.7E6	188.2E6	57.470	57.612
17)	MA 4,4'-DDT	7.068	6.200	138.8E6	164.3E6	48.725	47.809
18)	B Endrin al...	6.964	6.273	124.8E6	138.9E6	53.756	53.157
19)	B Endosulfa...	7.198	6.496	147.4E6	174.5E6	52.614	52.596
20)	A Methoxychlor	7.539	6.771	64037721	87615641	45.901	45.934
21)	B Endrin ke...	7.679	7.002	162.1E6	212.1E6	56.860	60.239
22)	Mirex	8.160	7.198	123.7E6	148.8E6	52.062	51.621
25)	Chlordane-3	5.993	5.144	208.2E6	230.1E6	267.335	445.472 #
26)	Chlordane-4	6.075	5.208	206.9E6	209.8E6	219.415	482.628 #
27)	Chlordane-5	0.000	6.095	0	191.2E6	N.D.	1034.717 #

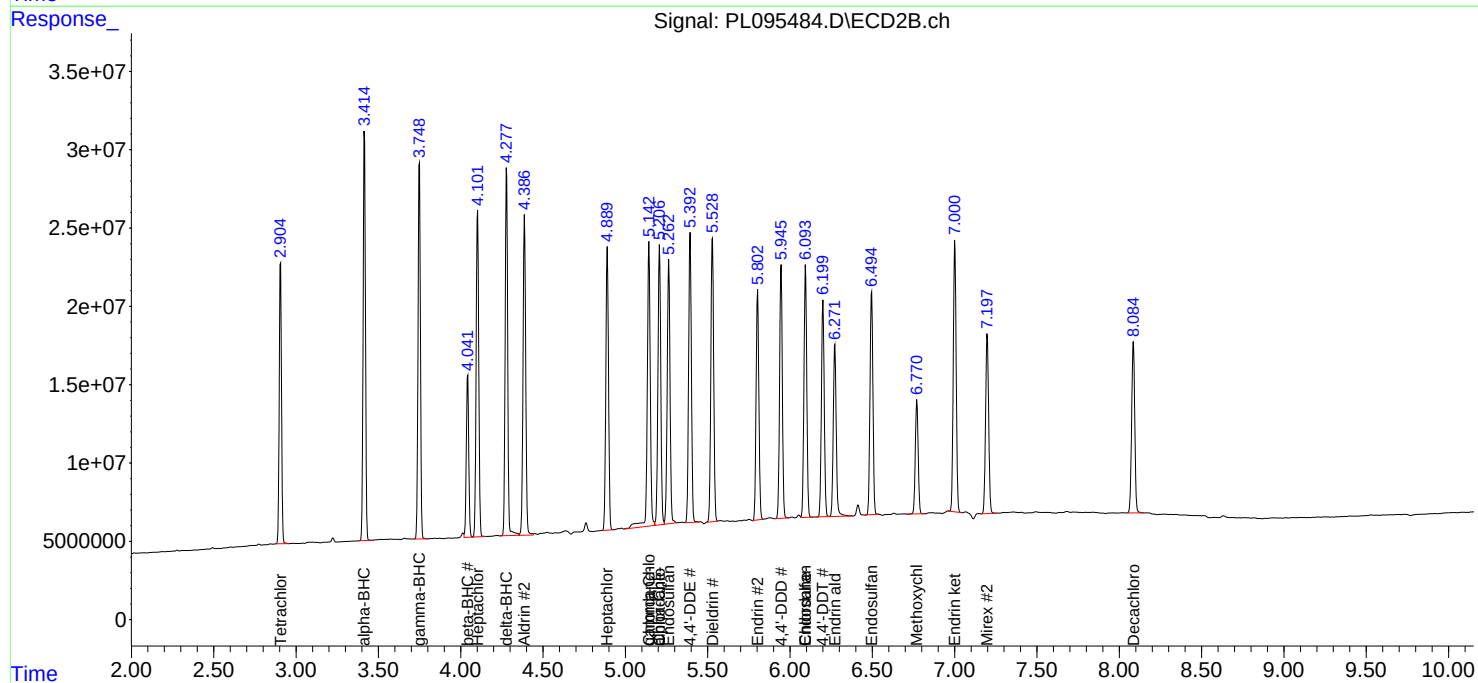
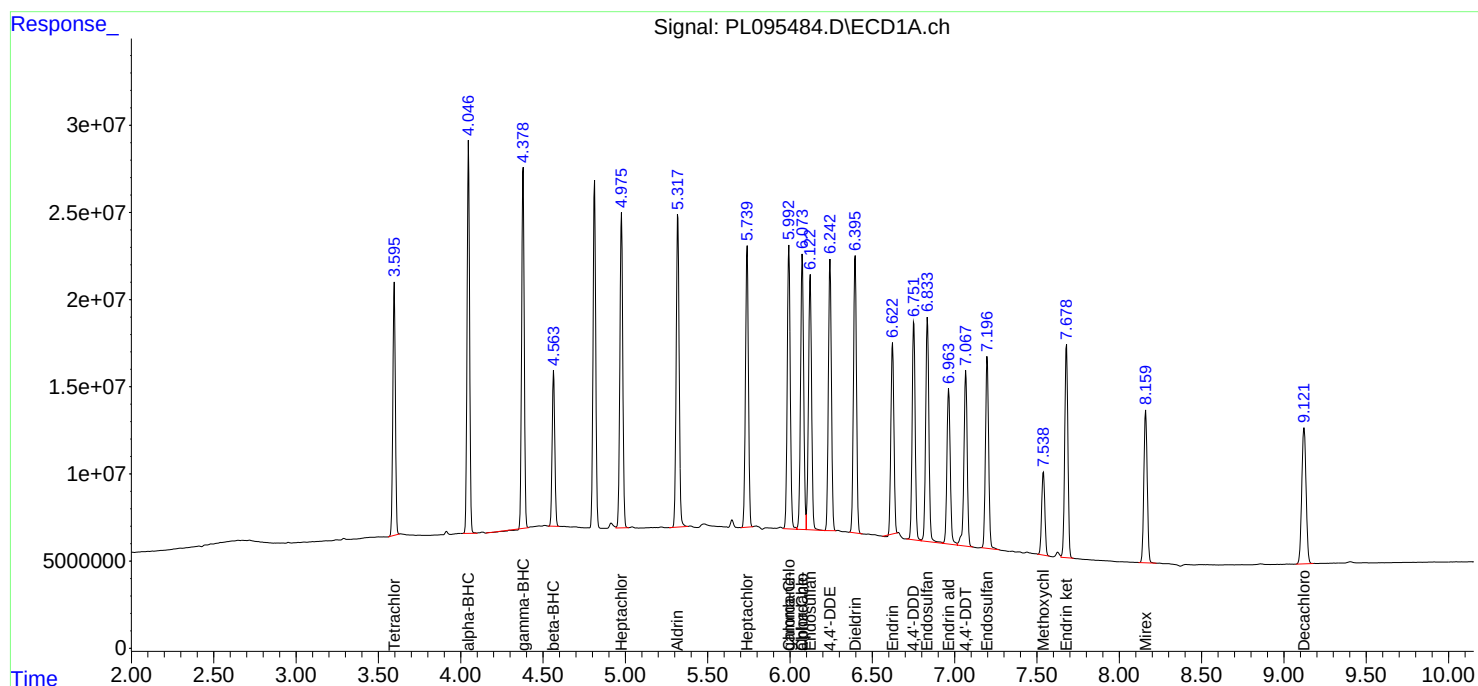
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

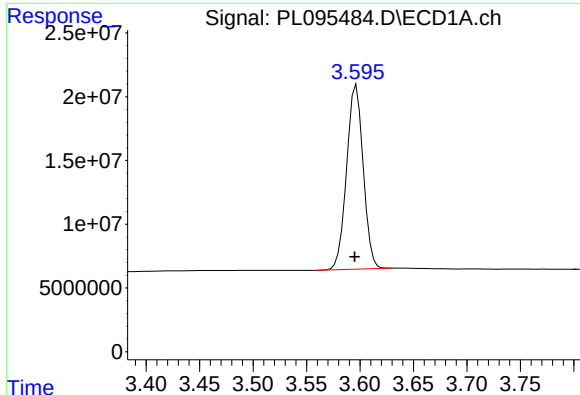
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 17:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:57:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

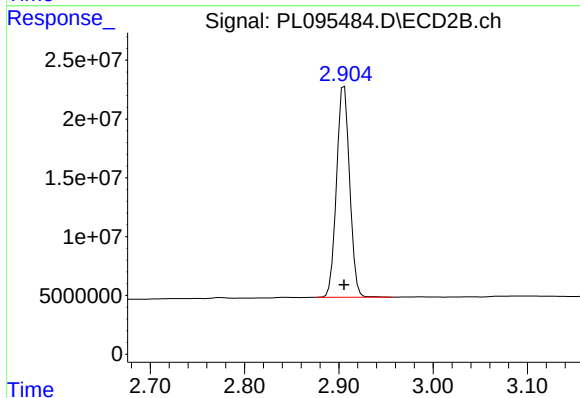




#1 Tetrachloro-m-xylene

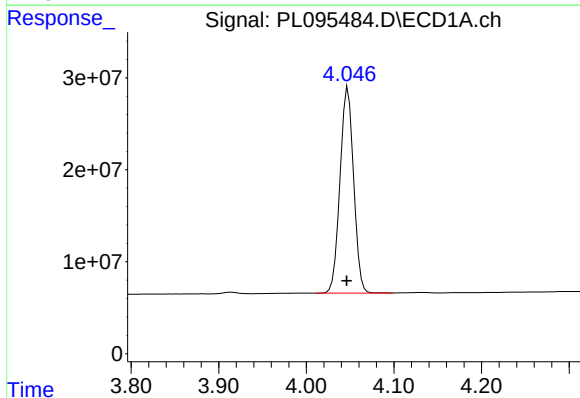
R.T.: 3.597 min
Delta R.T.: 0.002 min
Response: 156129108
Conc: 47.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



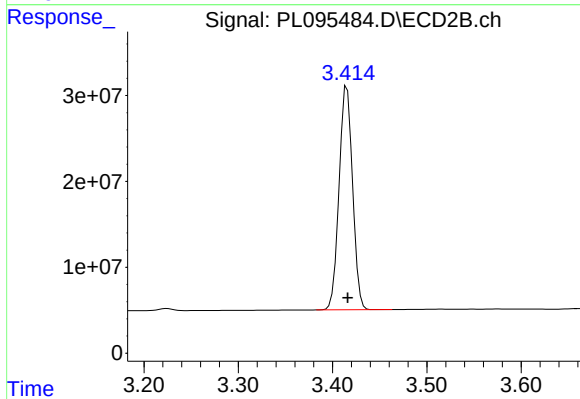
#1 Tetrachloro-m-xylene

R.T.: 2.906 min
Delta R.T.: 0.000 min
Response: 173441655
Conc: 54.55 ng/ml



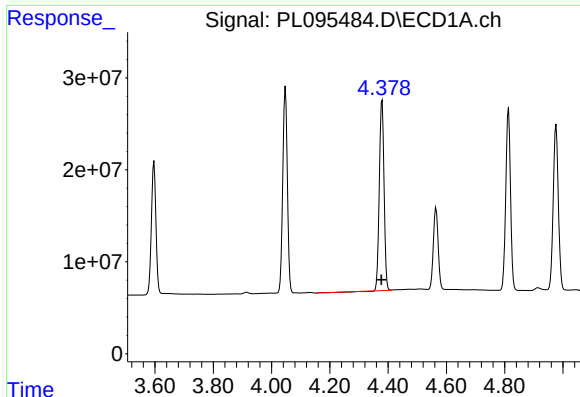
#2 alpha-BHC

R.T.: 4.048 min
Delta R.T.: 0.001 min
Response: 241816652
Conc: 48.81 ng/ml



#2 alpha-BHC

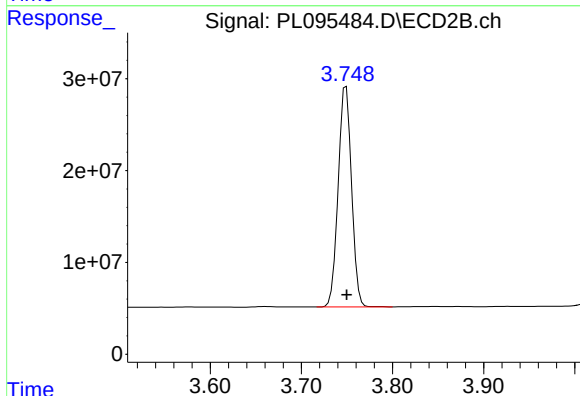
R.T.: 3.415 min
Delta R.T.: 0.000 min
Response: 259308735
Conc: 58.29 ng/ml



#3 gamma-BHC (Lindane)

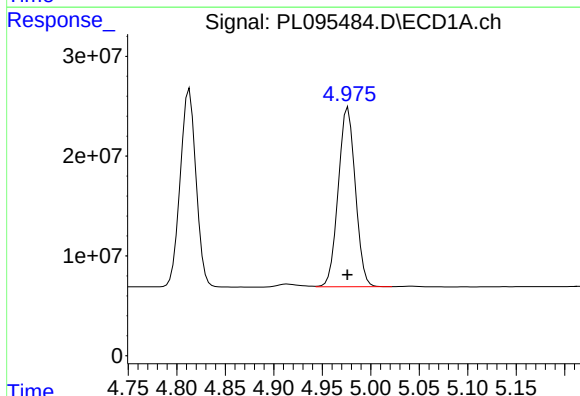
R.T.: 4.379 min
Delta R.T.: 0.002 min
Response: 228583326
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



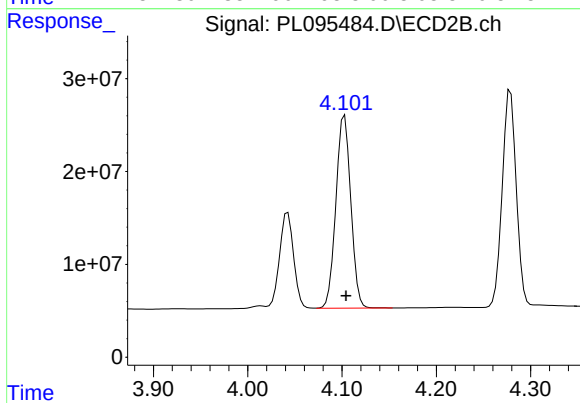
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.000 min
Response: 244693956
Conc: 55.63 ng/ml



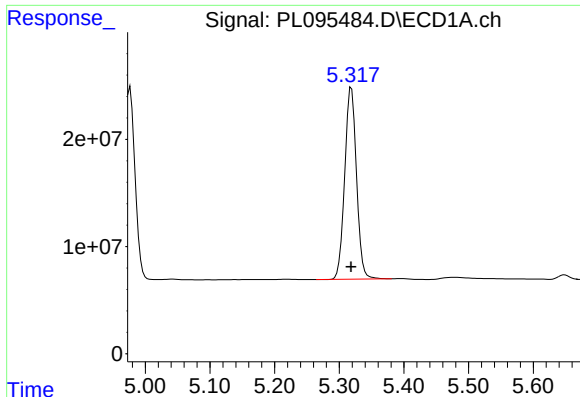
#4 Heptachlor

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 220079666
Conc: 48.11 ng/ml



#4 Heptachlor

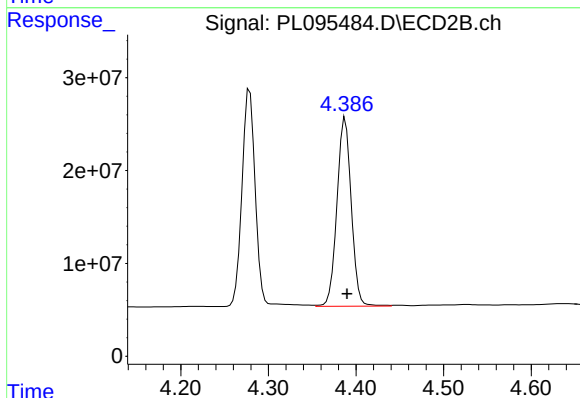
R.T.: 4.103 min
Delta R.T.: -0.002 min
Response: 227822398
Conc: 52.29 ng/ml



#5 Aldrin

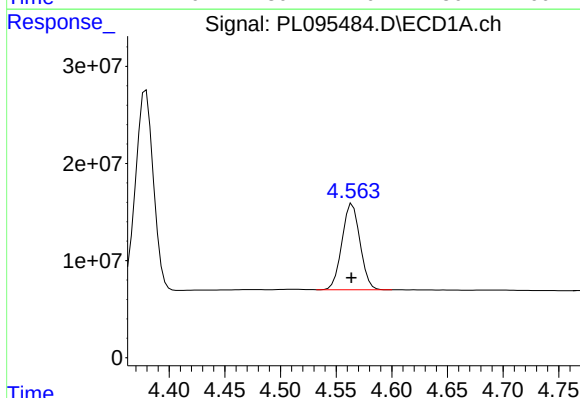
R.T.: 5.319 min
Delta R.T.: 0.000 min
Response: 227028430
Conc: 49.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



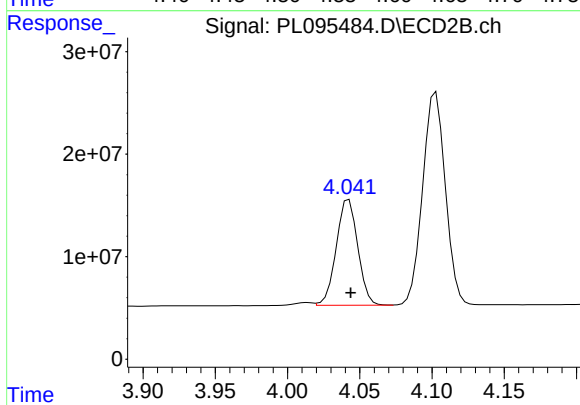
#5 Aldrin

R.T.: 4.388 min
Delta R.T.: -0.002 min
Response: 230882102
Conc: 56.10 ng/ml



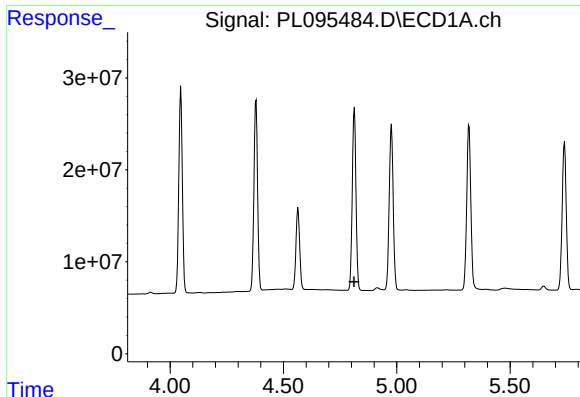
#6 beta-BHC

R.T.: 4.565 min
Delta R.T.: 0.001 min
Response: 100002447
Conc: 48.37 ng/ml



#6 beta-BHC

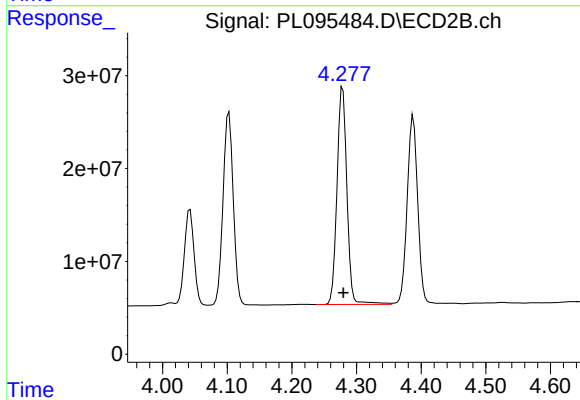
R.T.: 4.043 min
Delta R.T.: -0.001 min
Response: 106906618
Conc: 51.50 ng/ml



#7 delta-BHC

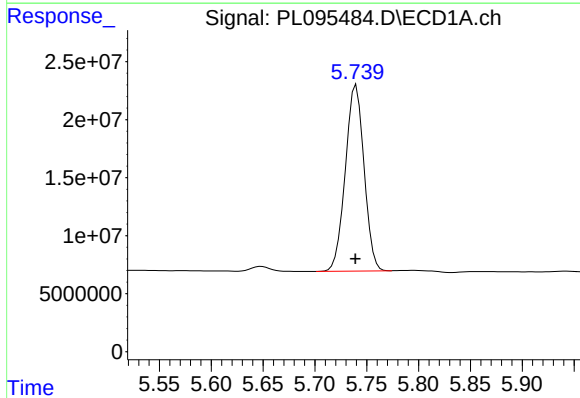
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



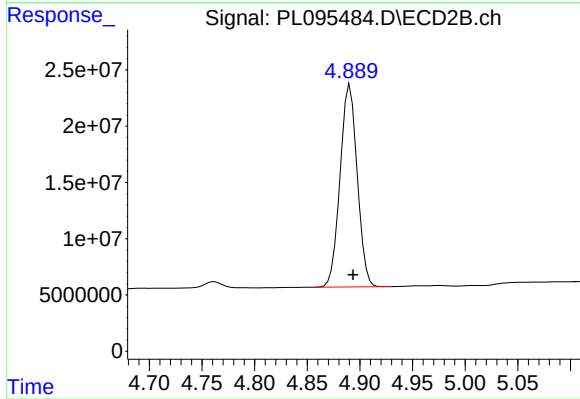
#7 delta-BHC

R.T.: 4.279 min
Delta R.T.: -0.001 min
Response: 249521736
Conc: 56.94 ng/ml



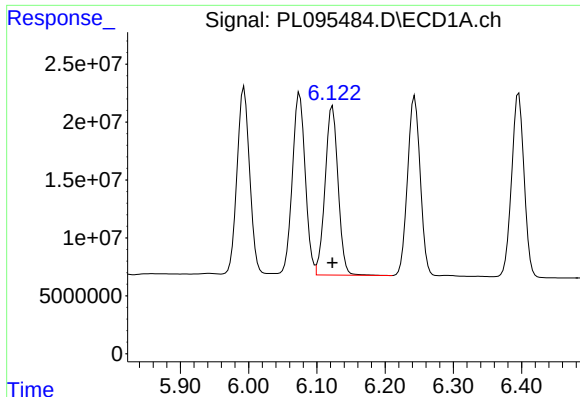
#8 Heptachlor epoxide

R.T.: 5.740 min
Delta R.T.: 0.000 min
Response: 201345799
Conc: 50.27 ng/ml



#8 Heptachlor epoxide

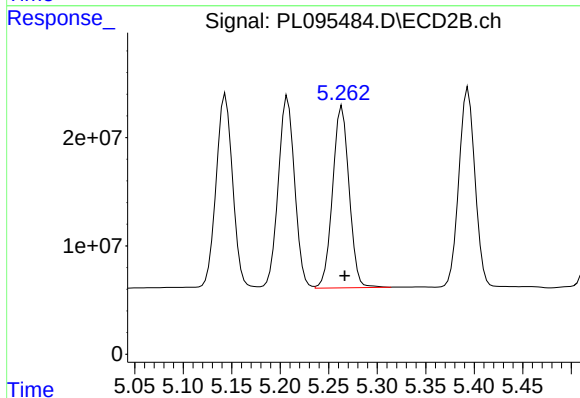
R.T.: 4.891 min
Delta R.T.: -0.003 min
Response: 204323647
Conc: 52.90 ng/ml



#9 Endosulfan I

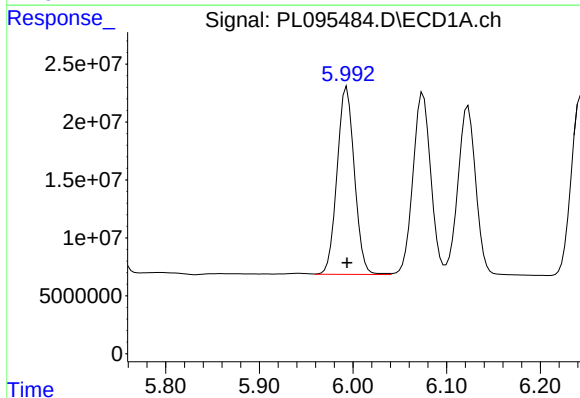
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 193450116
Conc: 50.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



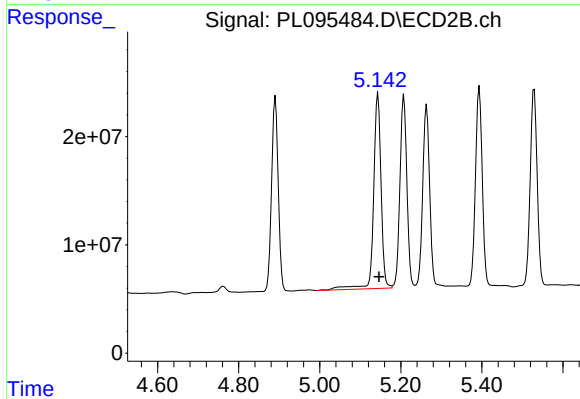
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.003 min
Response: 198524604
Conc: 54.24 ng/ml



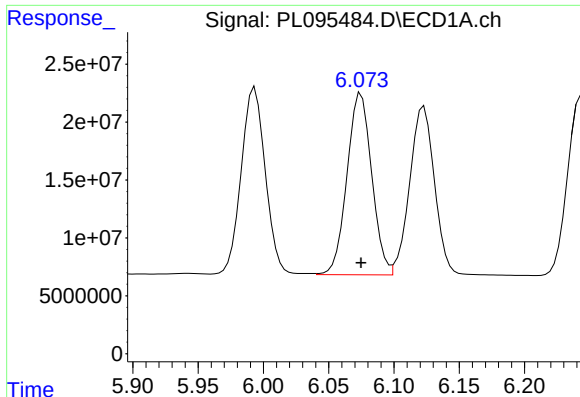
#10 gamma-Chlordane

R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 208234565
Conc: 51.05 ng/ml



#10 gamma-Chlordane

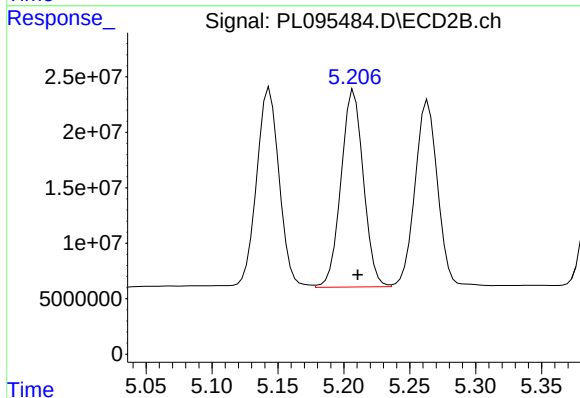
R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 230140732
Conc: 56.79 ng/ml



#11 alpha-Chlordane

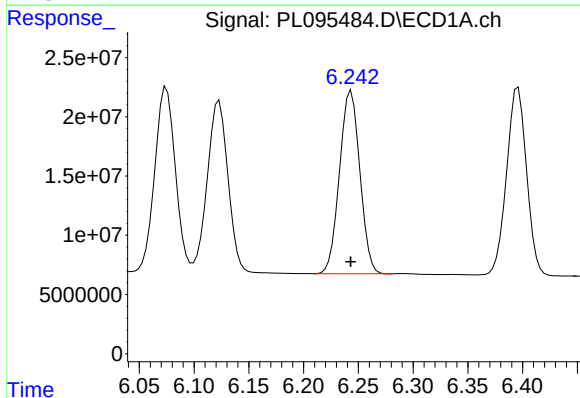
R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 206892821
Conc: 50.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



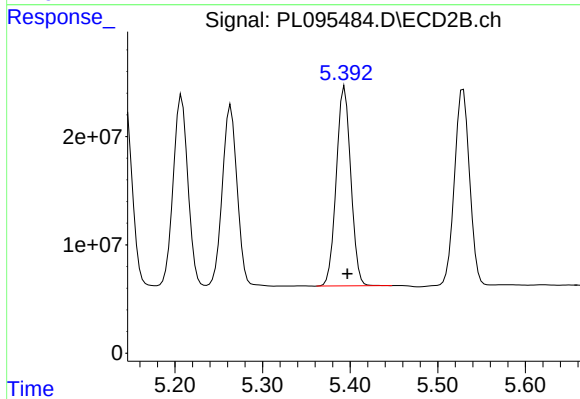
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.003 min
Response: 209755589
Conc: 52.69 ng/ml



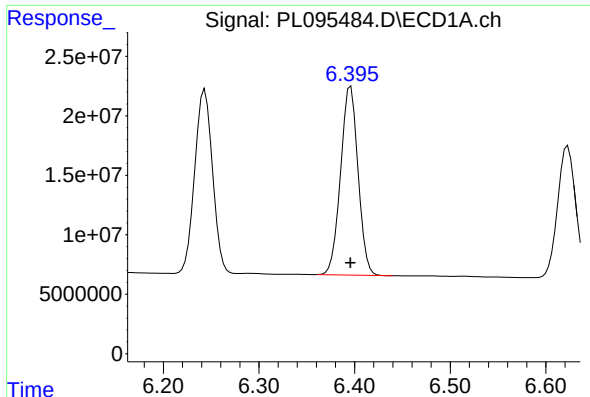
#12 4,4'-DDE

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 199742374
Conc: 50.95 ng/ml



#12 4,4'-DDE

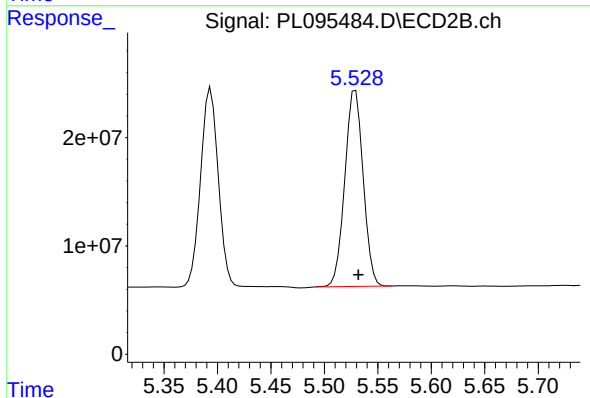
R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 212082038
Conc: 52.15 ng/ml



#13 Dieldrin

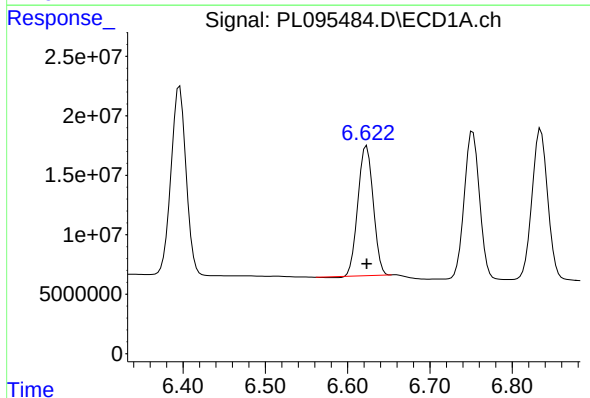
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 201626362
Conc: 52.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



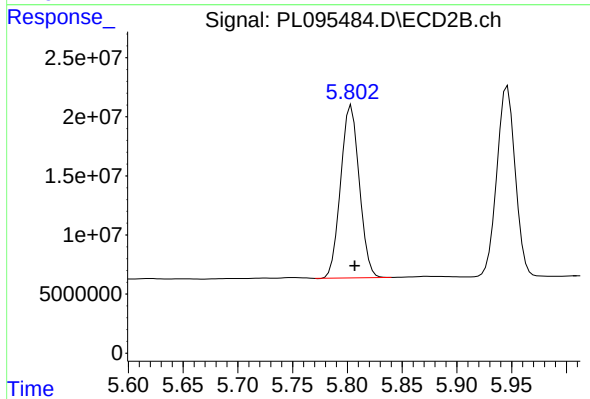
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 216628813
Conc: 53.26 ng/ml



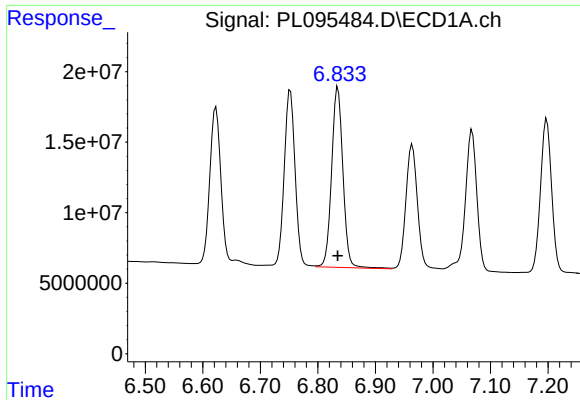
#14 Endrin

R.T.: 6.623 min
Delta R.T.: 0.000 min
Response: 140293231
Conc: 44.05 ng/ml



#14 Endrin

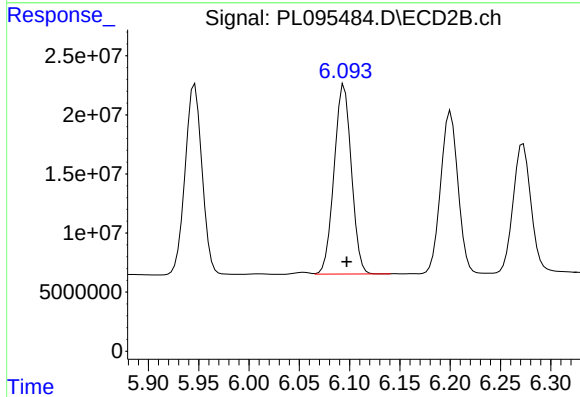
R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 173031724
Conc: 47.53 ng/ml



#15 Endosulfan II

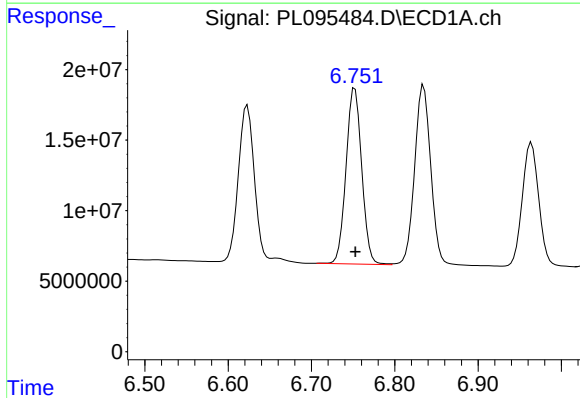
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 174676018
Conc: 54.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



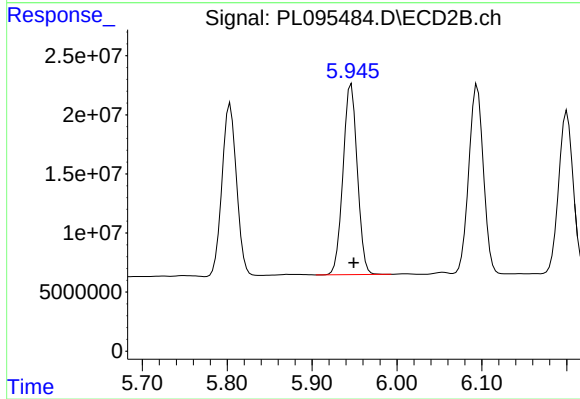
#15 Endosulfan II

R.T.: 6.095 min
Delta R.T.: -0.003 min
Response: 191152409
Conc: 53.23 ng/ml



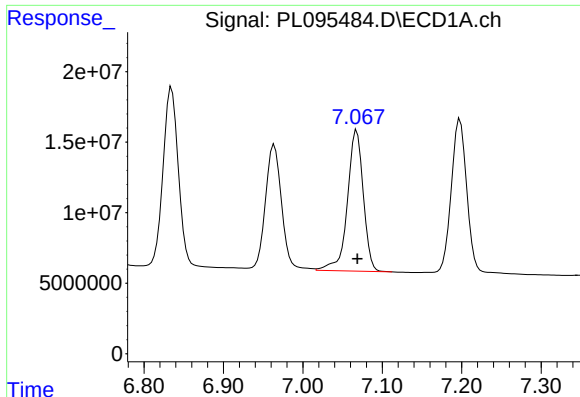
#16 4,4'-DDD

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 162695680
Conc: 57.47 ng/ml



#16 4,4'-DDD

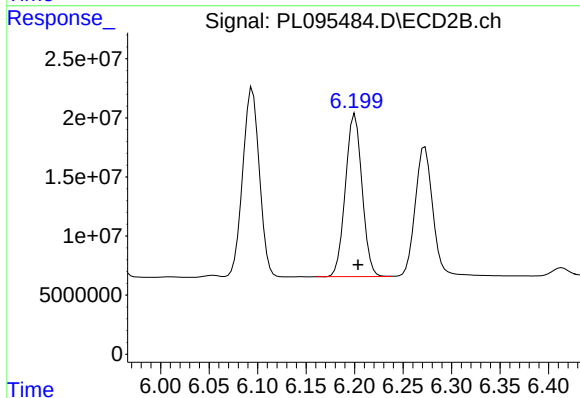
R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 188205082
Conc: 57.61 ng/ml



#17 4,4'-DDT

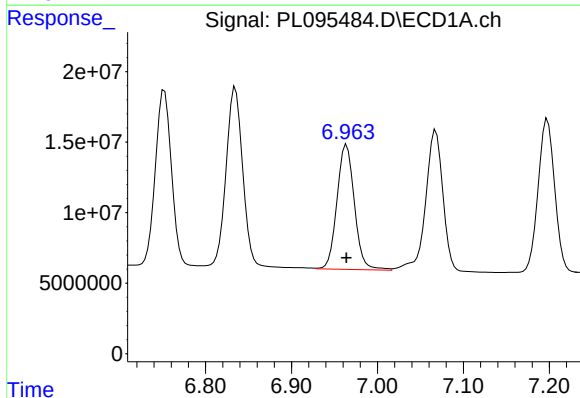
R.T.: 7.068 min
Delta R.T.: 0.000 min
Response: 138796663
Conc: 48.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



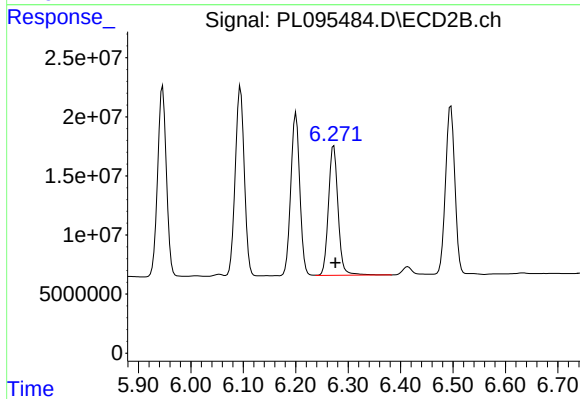
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.003 min
Response: 164280702
Conc: 47.81 ng/ml



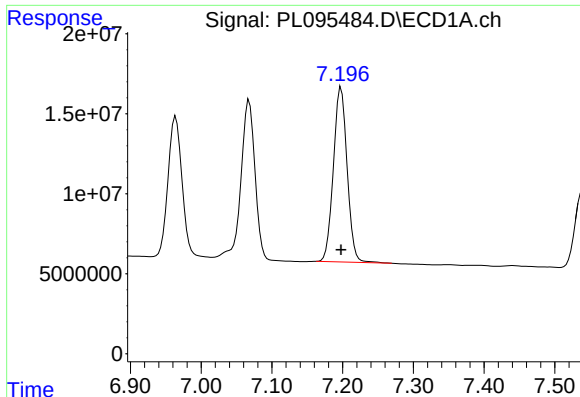
#18 Endrin aldehyde

R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 124756226
Conc: 53.76 ng/ml



#18 Endrin aldehyde

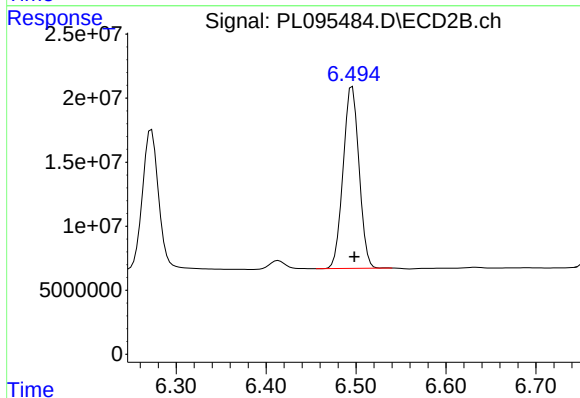
R.T.: 6.273 min
Delta R.T.: -0.003 min
Response: 138906411
Conc: 53.16 ng/ml



#19 Endosulfan Sulfate

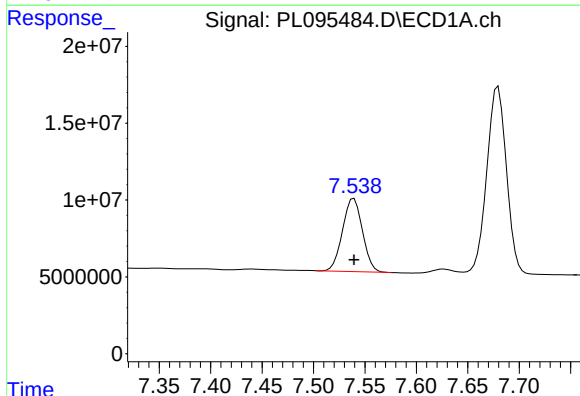
R.T.: 7.198 min
Delta R.T.: 0.000 min
Response: 147412600
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



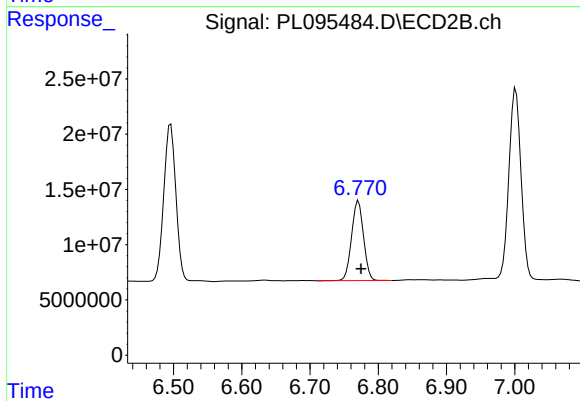
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.003 min
Response: 174509056
Conc: 52.60 ng/ml



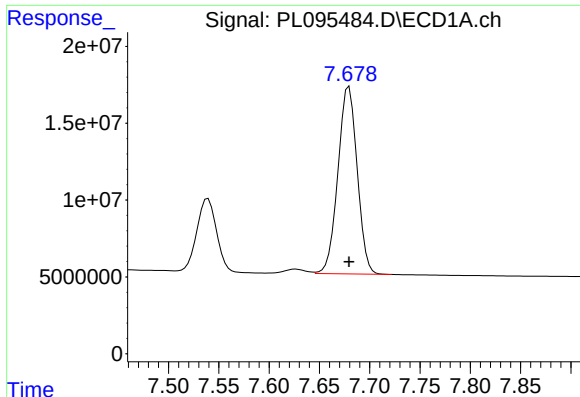
#20 Methoxychlor

R.T.: 7.539 min
Delta R.T.: 0.000 min
Response: 64037721
Conc: 45.90 ng/ml



#20 Methoxychlor

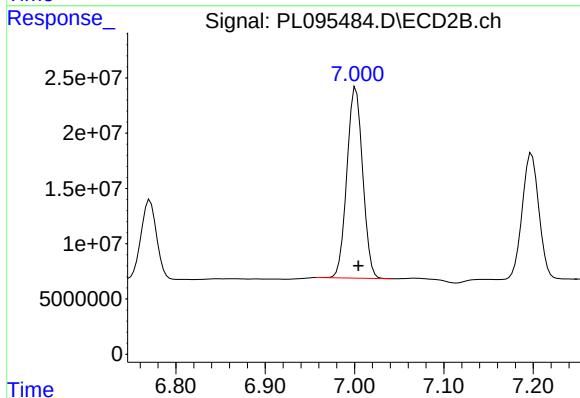
R.T.: 6.771 min
Delta R.T.: -0.004 min
Response: 87615641
Conc: 45.93 ng/ml



#21 Endrin ketone

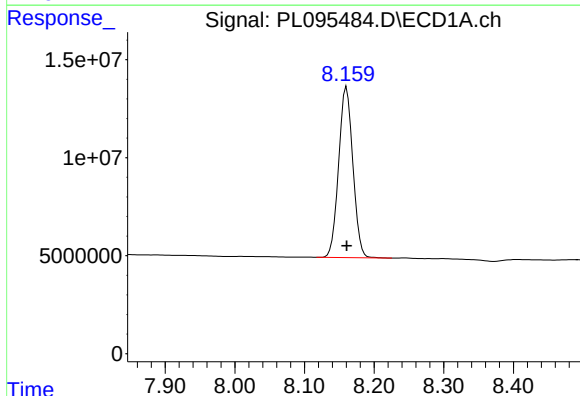
R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 162099635
Conc: 56.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



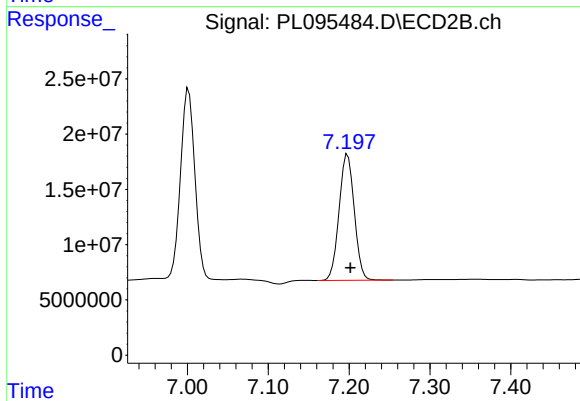
#21 Endrin ketone

R.T.: 7.002 min
Delta R.T.: -0.003 min
Response: 212119495
Conc: 60.24 ng/ml



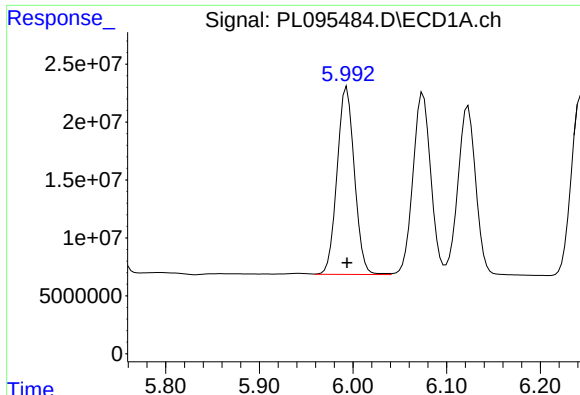
#22 Mirex

R.T.: 8.160 min
Delta R.T.: 0.000 min
Response: 123700293
Conc: 52.06 ng/ml



#22 Mirex

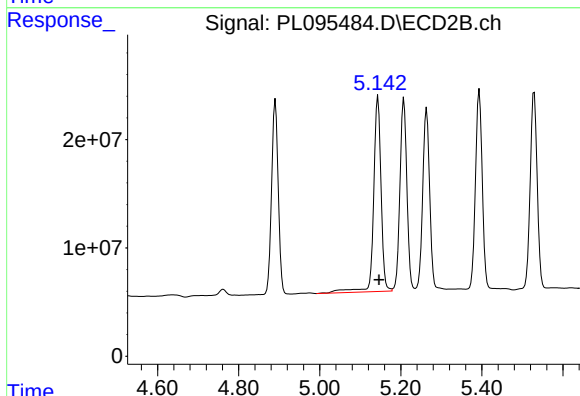
R.T.: 7.198 min
Delta R.T.: -0.003 min
Response: 148791183
Conc: 51.62 ng/ml



#25 Chlordane-3

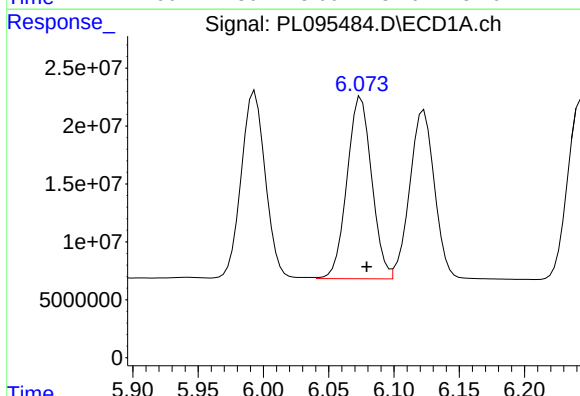
R.T.: 5.993 min
Delta R.T.: 0.000 min
Response: 208234565
Conc: 267.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



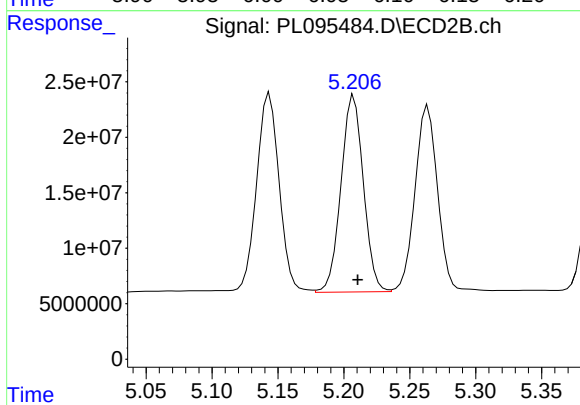
#25 Chlordane-3

R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 230140732
Conc: 445.47 ng/ml



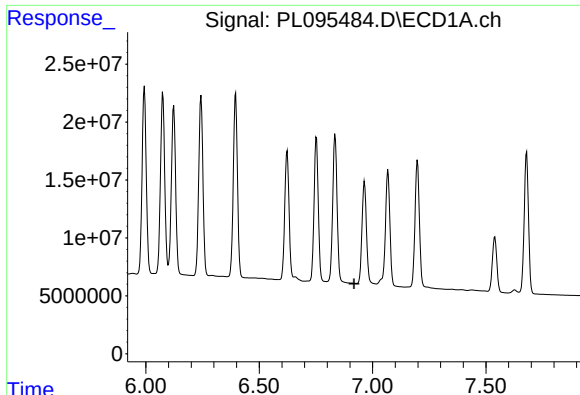
#26 Chlordane-4

R.T.: 6.075 min
Delta R.T.: -0.004 min
Response: 206892821
Conc: 219.42 ng/ml



#26 Chlordane-4

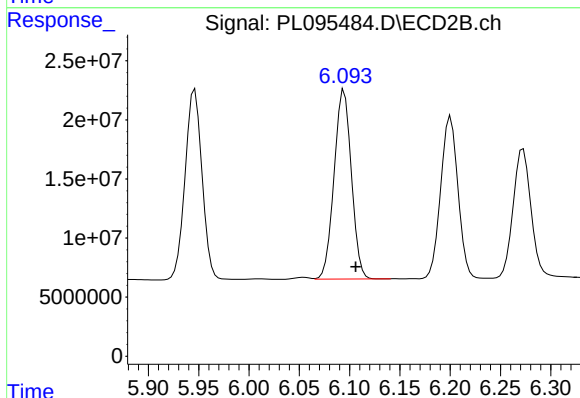
R.T.: 5.208 min
Delta R.T.: -0.003 min
Response: 209755589
Conc: 482.63 ng/ml



#27 Chlordane-5

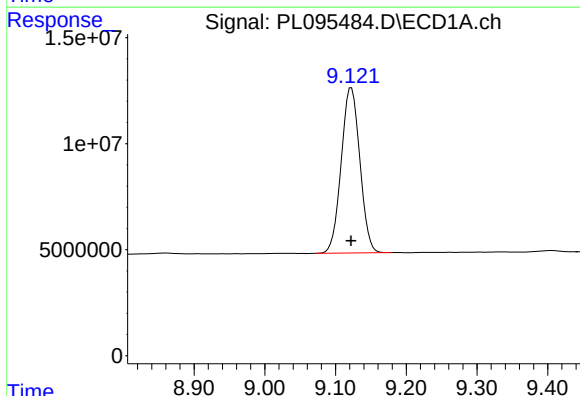
R.T.: 0.000 min
Exp R.T.: 6.919 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



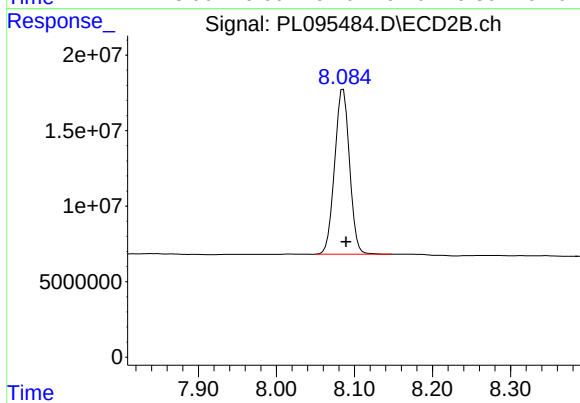
#27 Chlordane-5

R.T.: 6.095 min
Delta R.T.: -0.012 min
Response: 191152409
Conc: 1034.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.122 min
Delta R.T.: 0.000 min
Response: 142850219
Conc: 51.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min
Delta R.T.: -0.004 min
Response: 145019514
Conc: 49.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:43
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	47053643	57612435	14.413	18.119 #
28) SA Decachlor...	9.118	8.083	39797776	42228518	14.363	14.270

Target Compounds

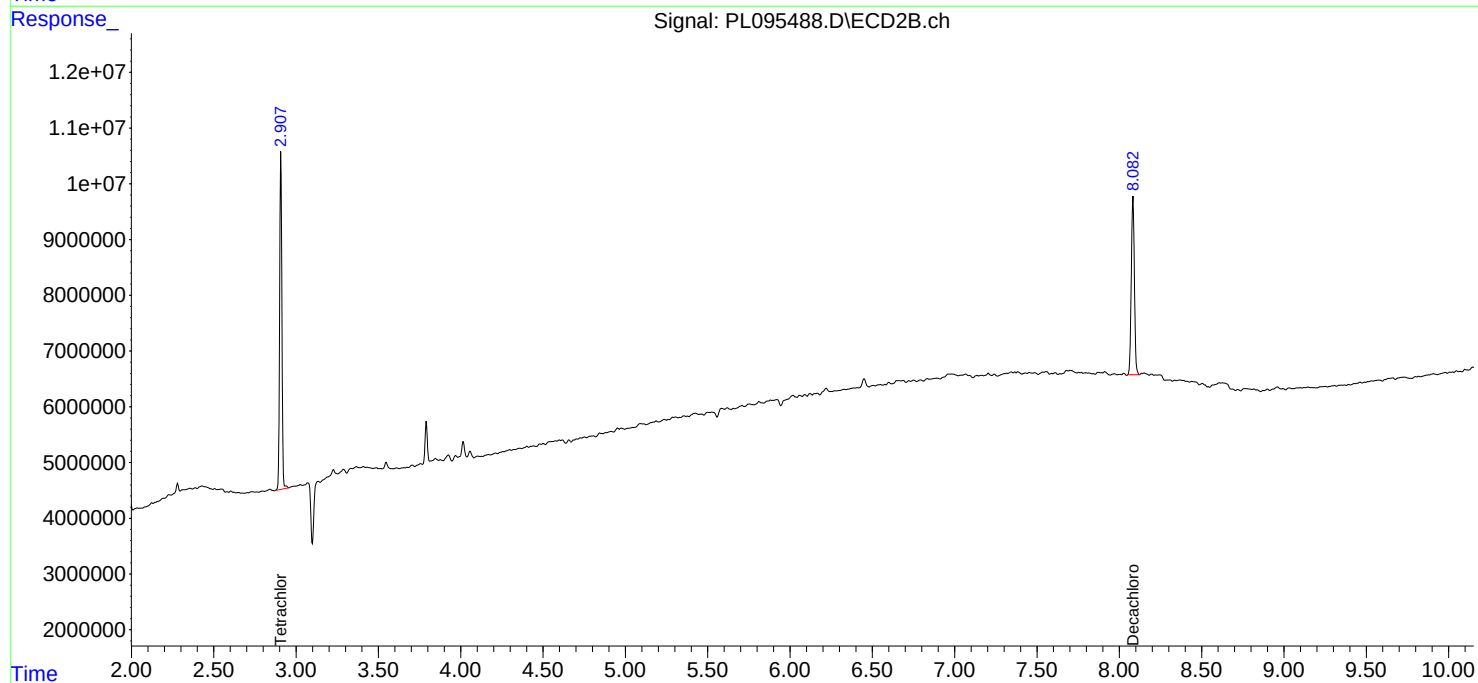
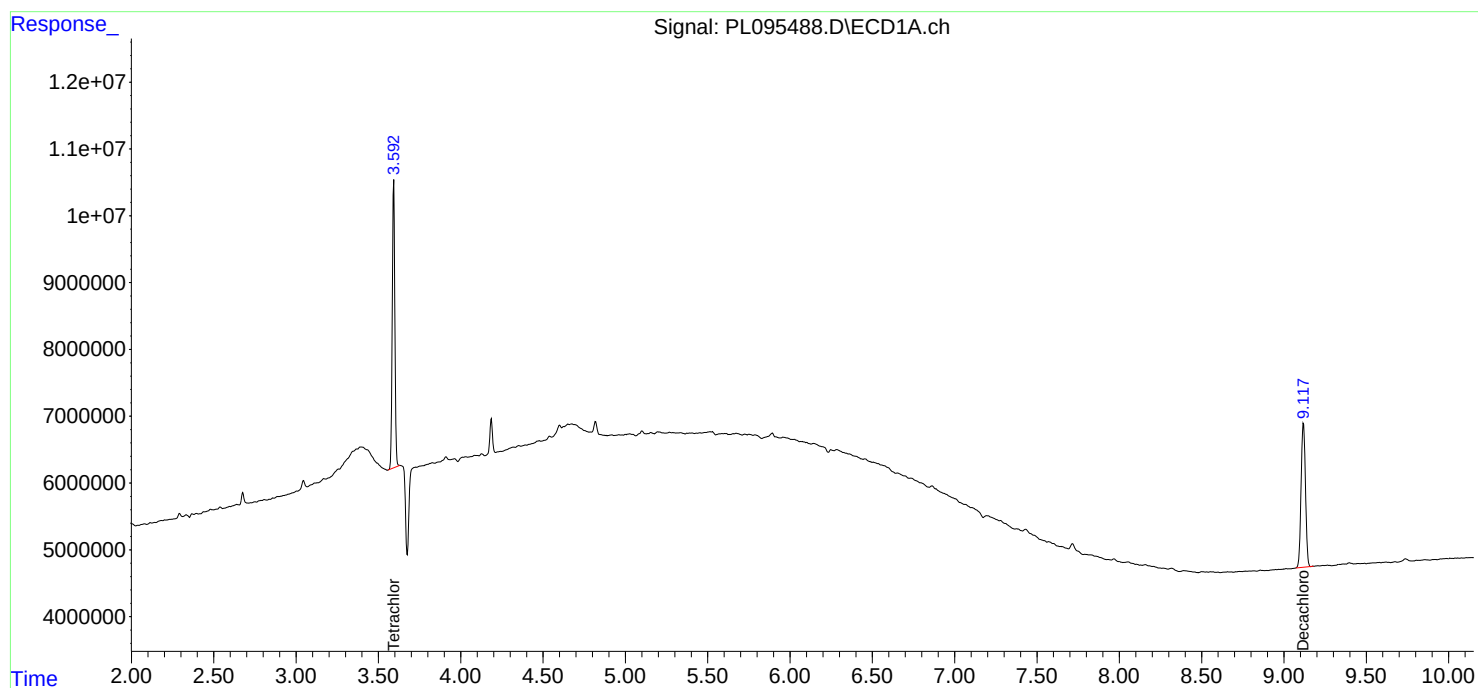
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

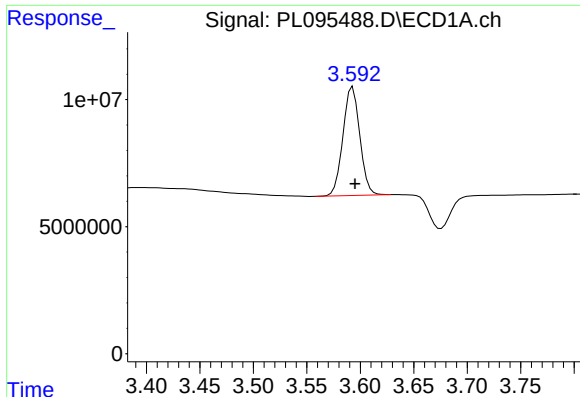
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:43
Operator : AR\AJ
Sample : Q1883-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

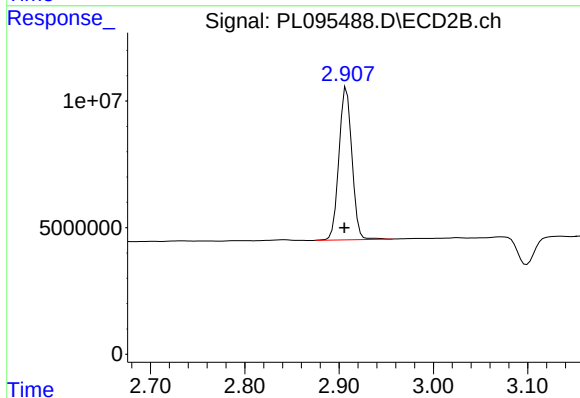




#1 Tetrachloro-m-xylene

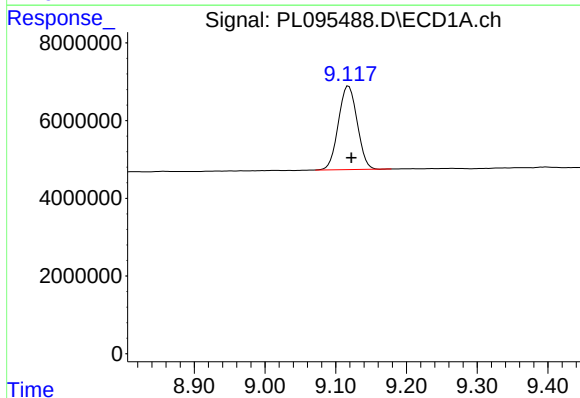
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 47053643
Conc: 14.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-29-042325



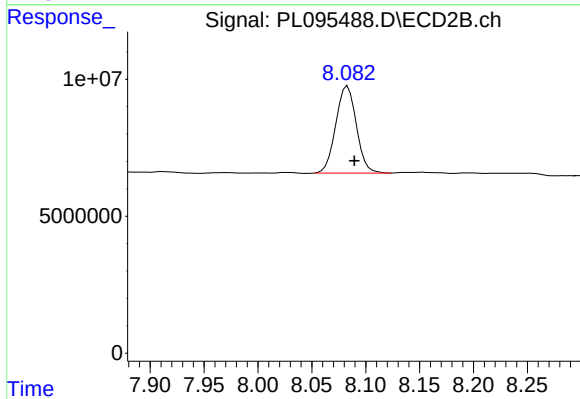
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 57612435
Conc: 18.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 39797776
Conc: 14.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.083 min
Delta R.T.: -0.006 min
Response: 42228518
Conc: 14.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
 Data File : PL095495.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 21:19
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 00:58:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.908	150.2E6	180.7E6	46.020	56.839
28)	SA Decachlor...	9.117	8.084	135.2E6	145.0E6	48.806	49.008
Target Compounds							
2)	A alpha-BHC	4.044	3.417	231.4E6	275.6E6	46.707	61.950 #
3)	MA gamma-BHC...	4.375	3.750	219.4E6	259.2E6	46.349	58.932 #
4)	MA Heptachlor	4.973	4.104	205.6E6	242.0E6	44.945	55.540
5)	MB Aldrin	5.316	4.389	221.8E6	247.6E6	48.287	60.158
6)	B beta-BHC	4.561	4.044	94544237	113.4E6	45.728	54.650
7)	B delta-BHC	0.000	4.280	0	258.6E6	N.D.	59.017 #
8)	B Heptachlo...	5.736	4.891	192.6E6	218.9E6	48.078	56.670
9)	A Endosulfan I	6.120	5.264	190.8E6	206.7E6	50.236	56.456
10)	B gamma-Chl...	5.990	5.144	202.7E6	225.3E6	49.697	55.599
11)	B alpha-Chl...	6.071	5.208	201.5E6	220.2E6	49.560	55.306
12)	B 4,4'-DDE	6.240	5.394	189.1E6	220.7E6	48.245	54.255
13)	MA Dieldrin	6.392	5.529	192.0E6	228.5E6	49.812	56.179
14)	MA Endrin	6.620	5.804	149.4E6	183.4E6	46.896	50.385
15)	B Endosulfa...	6.832	6.094	171.8E6	196.7E6	53.814	54.761
16)	A 4,4'-DDD	6.750	5.947	158.2E6	195.7E6	55.887	59.898
17)	MA 4,4'-DDT	7.064	6.200	130.3E6	169.2E6	45.732	49.232
18)	B Endrin al...	6.961	6.272	119.6E6	142.0E6	51.531	54.350
19)	B Endosulfa...	7.195	6.495	142.0E6	179.2E6	50.691	54.014
20)	A Methoxychlor	7.536	6.769	60546547	89031914	43.398	46.676
21)	B Endrin ke...	7.676	7.000	154.2E6	214.2E6	54.076	60.834
22)	Mirex	8.157	7.197	119.4E6	152.9E6	50.237	53.041
24)	Chlordane-2	5.316f	0.000	221.8E6	0	1047.543	N.D. #
25)	Chlordane-3	5.990	5.144	202.7E6	225.3E6	260.272	436.149 #
26)	Chlordane-4	6.071	5.208	201.5E6	220.2E6	213.715	506.605 #
27)	Chlordane-5	0.000	6.094	0	196.7E6	N.D.	1064.482 #

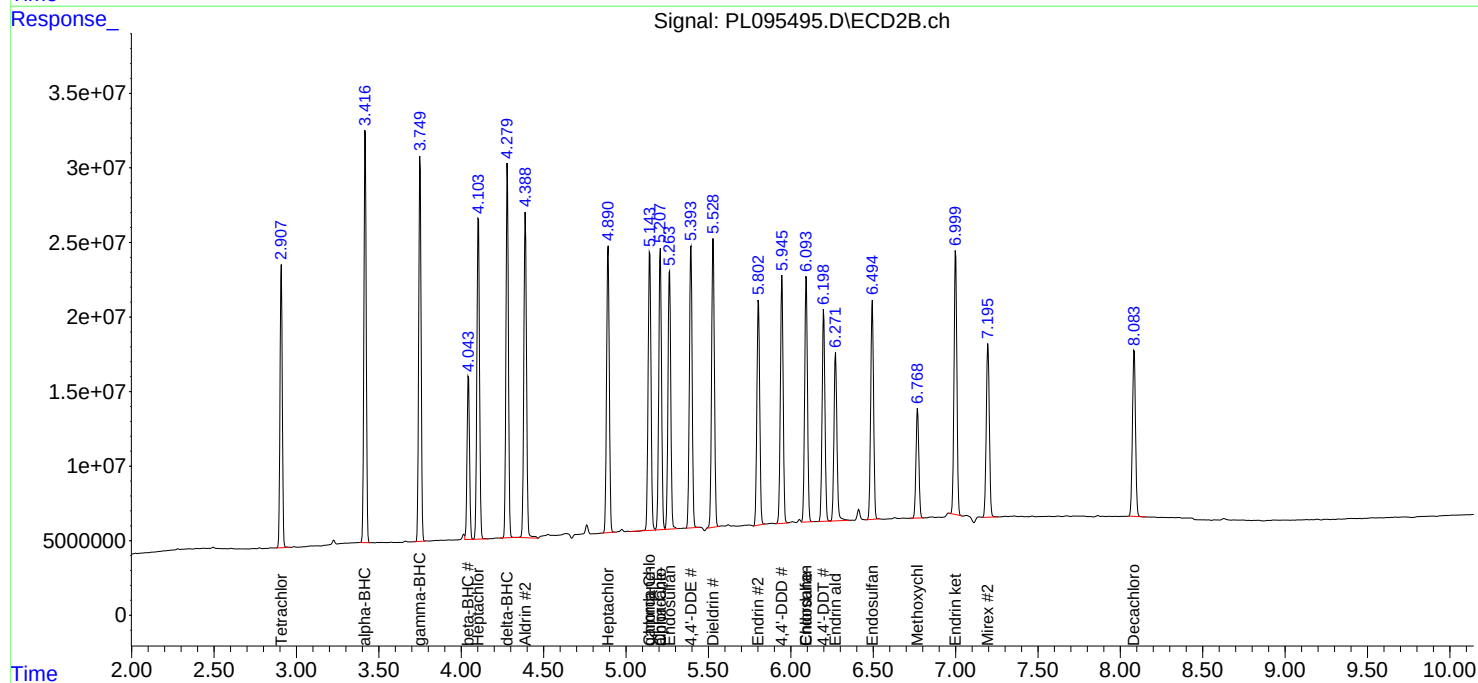
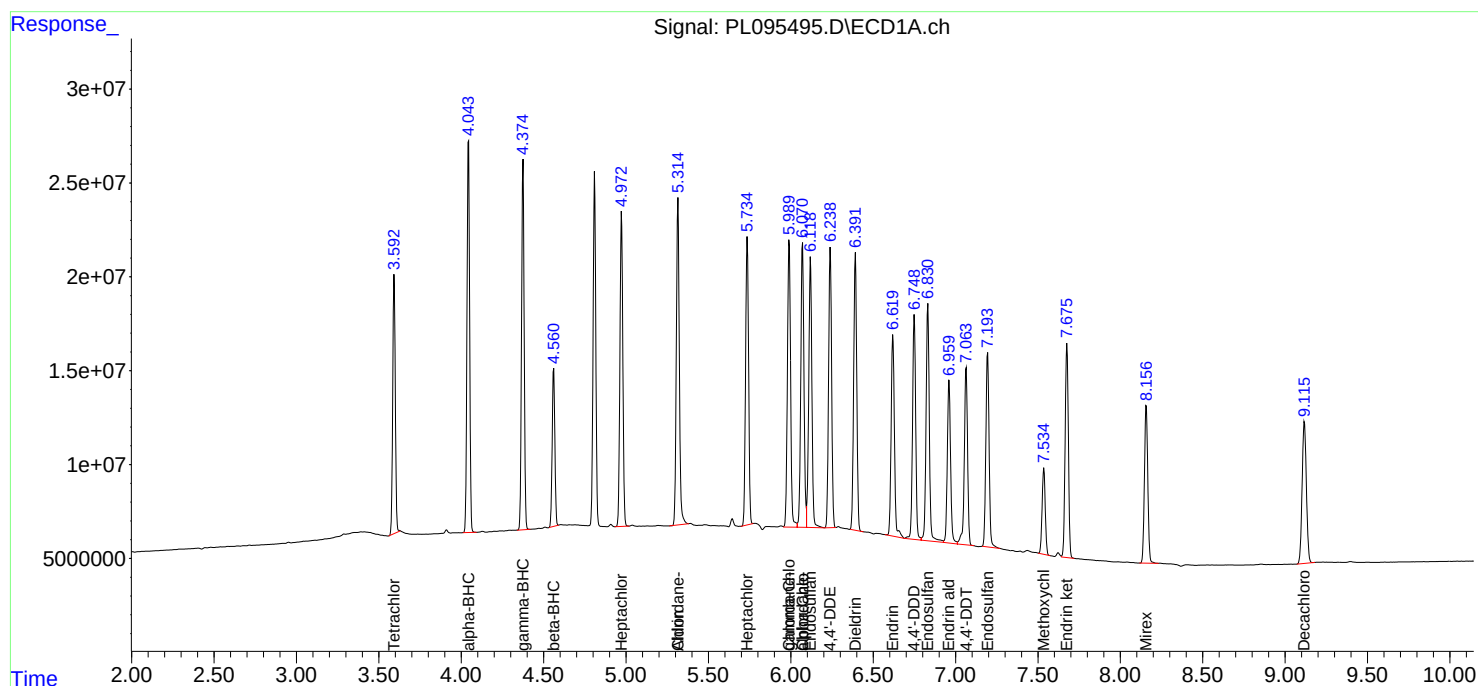
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

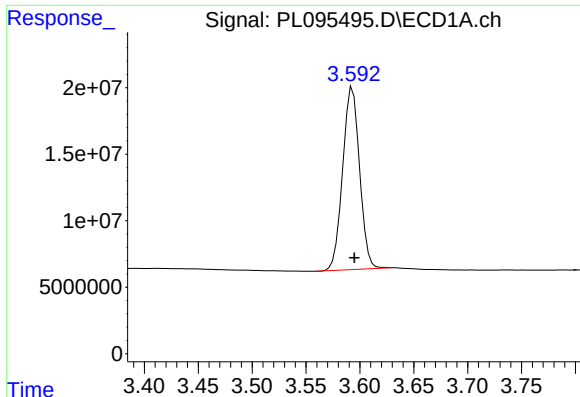
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050225\
Data File : PL095495.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 21:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 00:58:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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

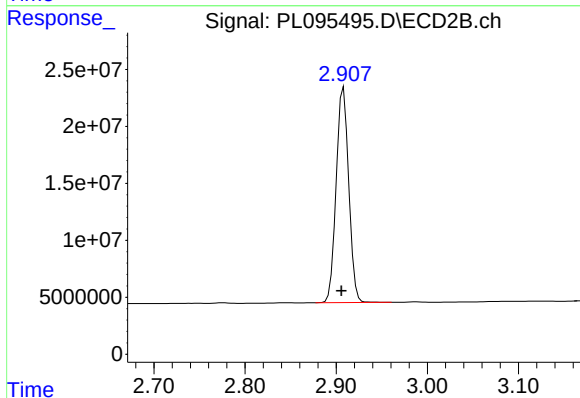




#1 Tetrachloro-m-xylene

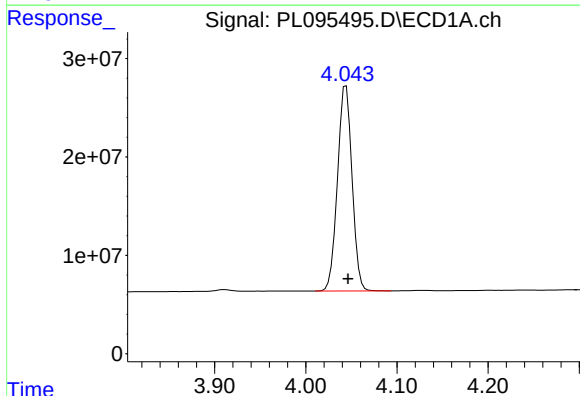
R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 150241740
Conc: 46.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



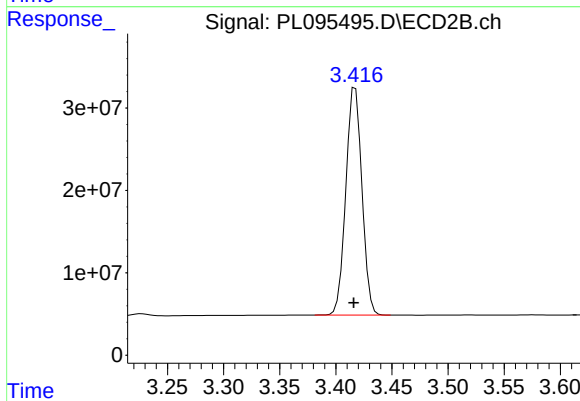
#1 Tetrachloro-m-xylene

R.T.: 2.908 min
Delta R.T.: 0.002 min
Response: 180733317
Conc: 56.84 ng/ml



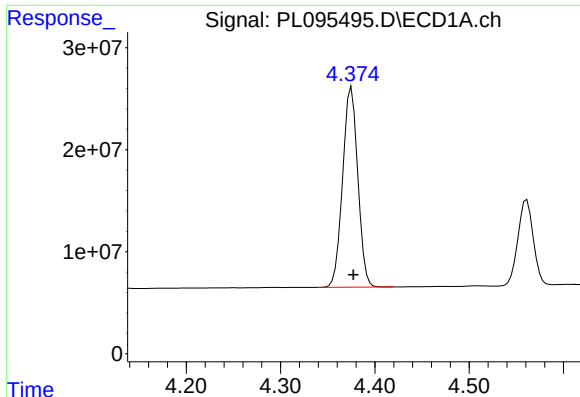
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 231372911
Conc: 46.71 ng/ml



#2 alpha-BHC

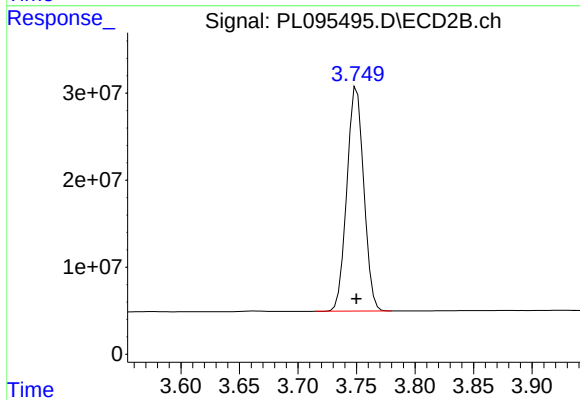
R.T.: 3.417 min
Delta R.T.: 0.001 min
Response: 275596804
Conc: 61.95 ng/ml



#3 gamma-BHC (Lindane)

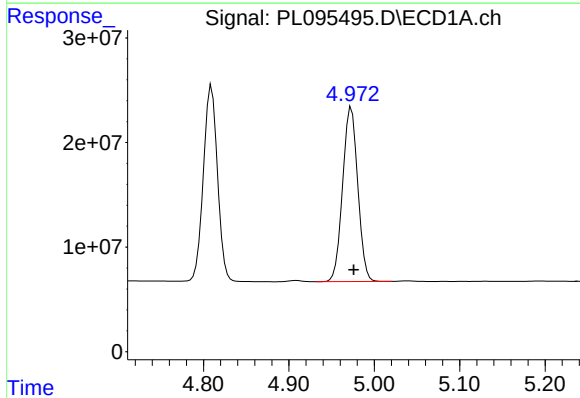
R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 219413915
Conc: 46.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



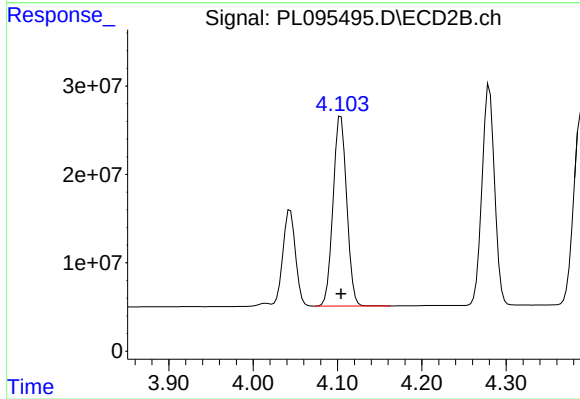
#3 gamma-BHC (Lindane)

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 259198319
Conc: 58.93 ng/ml



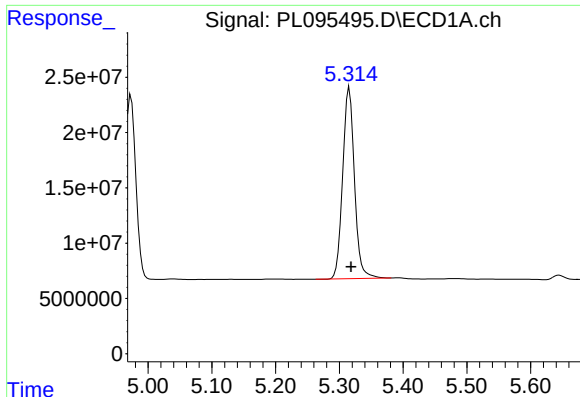
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 205599177
Conc: 44.94 ng/ml



#4 Heptachlor

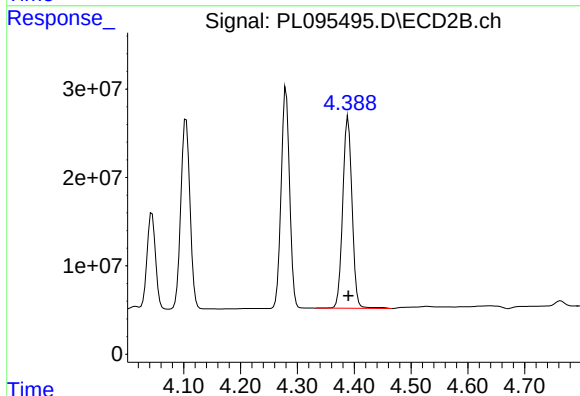
R.T.: 4.104 min
Delta R.T.: 0.000 min
Response: 241971663
Conc: 55.54 ng/ml



#5 Aldrin

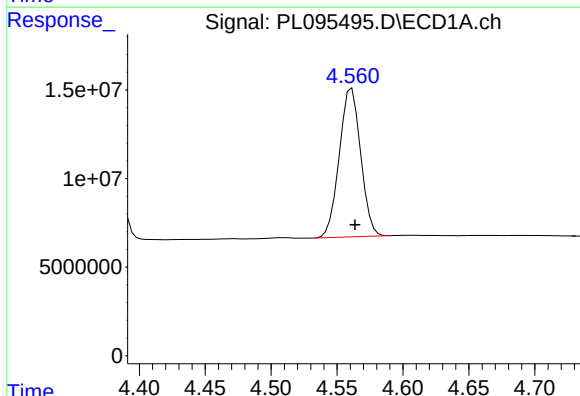
R.T.: 5.316 min
Delta R.T.: -0.003 min
Response: 221781369
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



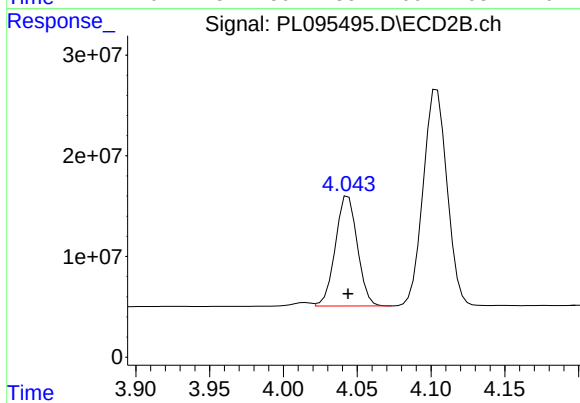
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.000 min
Response: 247589814
Conc: 60.16 ng/ml



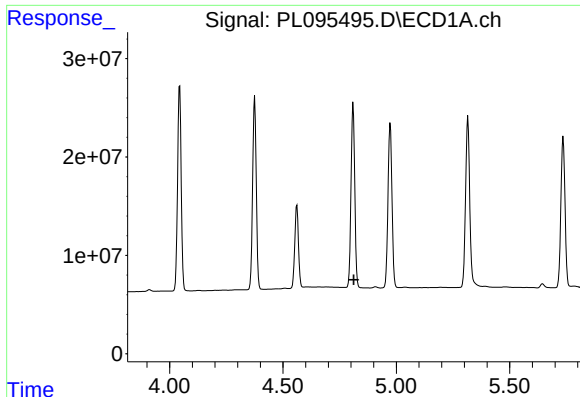
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.002 min
Response: 94544237
Conc: 45.73 ng/ml



#6 beta-BHC

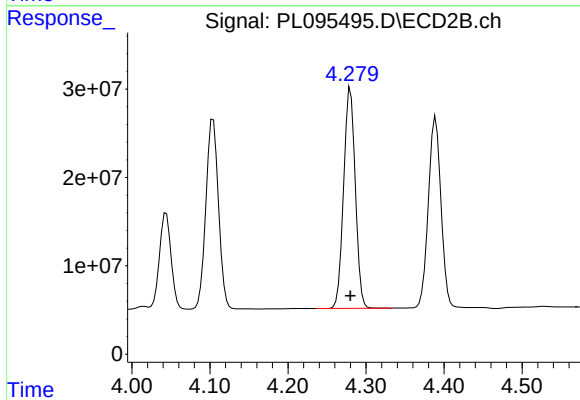
R.T.: 4.044 min
Delta R.T.: 0.000 min
Response: 113445723
Conc: 54.65 ng/ml



#7 delta-BHC

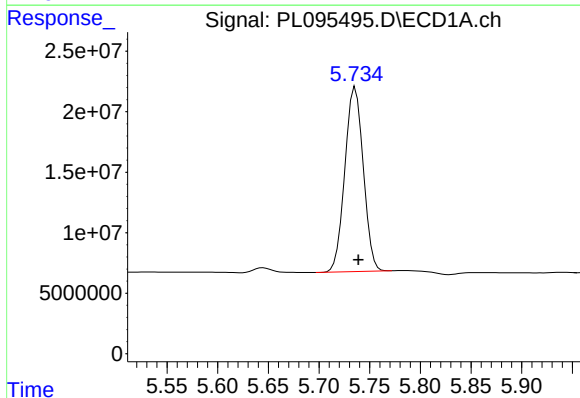
R.T.: 0.000 min
Exp R.T.: 4.812 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



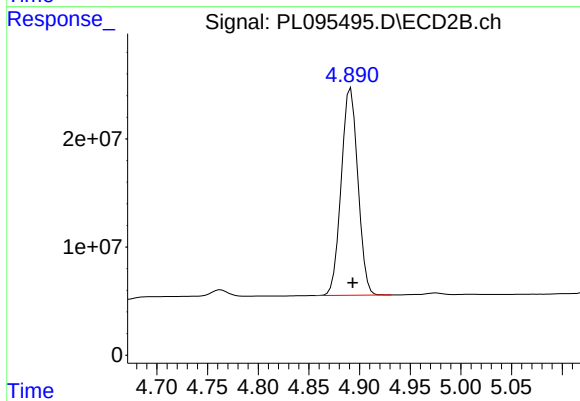
#7 delta-BHC

R.T.: 4.280 min
Delta R.T.: 0.000 min
Response: 258608107
Conc: 59.02 ng/ml



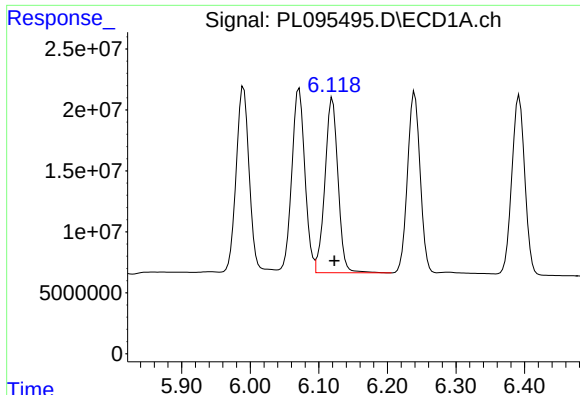
#8 Heptachlor epoxide

R.T.: 5.736 min
Delta R.T.: -0.003 min
Response: 192559792
Conc: 48.08 ng/ml



#8 Heptachlor epoxide

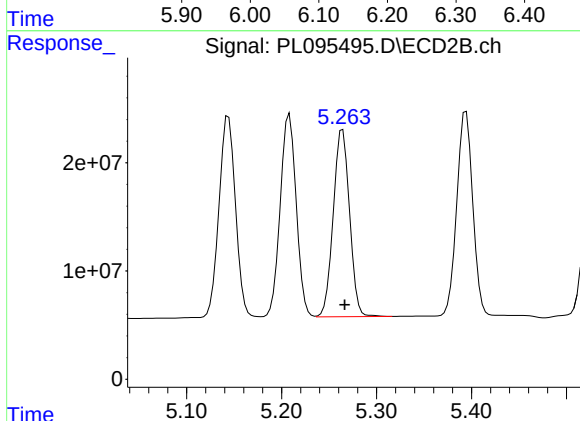
R.T.: 4.891 min
Delta R.T.: -0.002 min
Response: 218898301
Conc: 56.67 ng/ml



#9 Endosulfan I

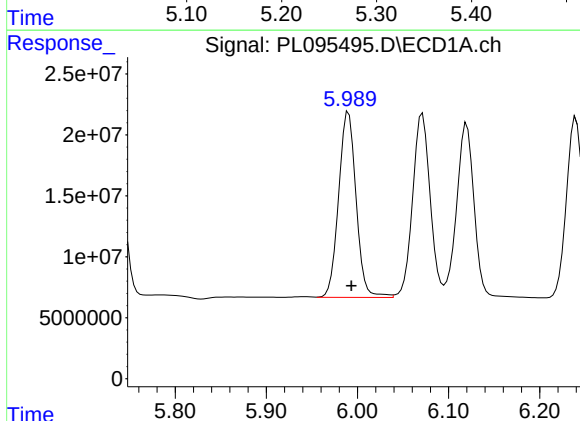
R.T.: 6.120 min
Delta R.T.: -0.003 min
Response: 190772559
Conc: 50.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



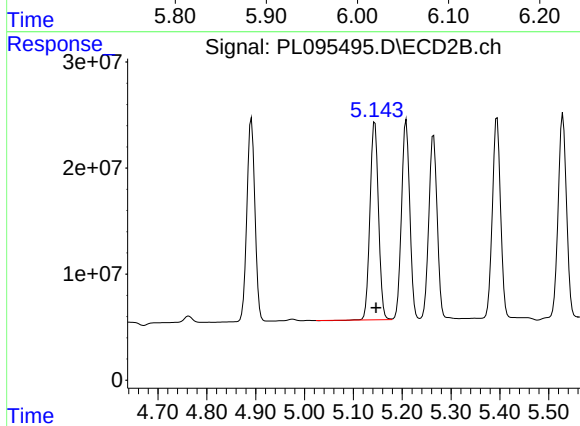
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 206652628
Conc: 56.46 ng/ml



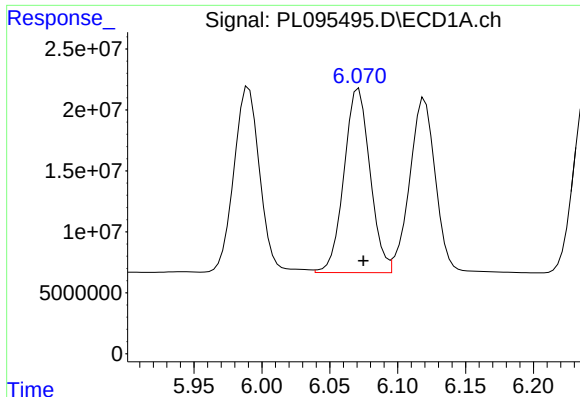
#10 gamma-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.003 min
Response: 202732390
Conc: 49.70 ng/ml



#10 gamma-Chlordane

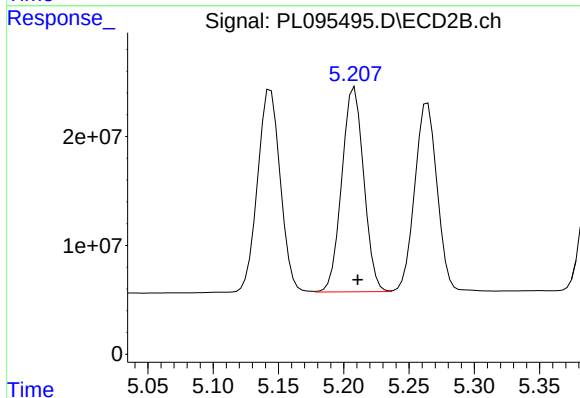
R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 225324274
Conc: 55.60 ng/ml



#11 alpha-Chlordane

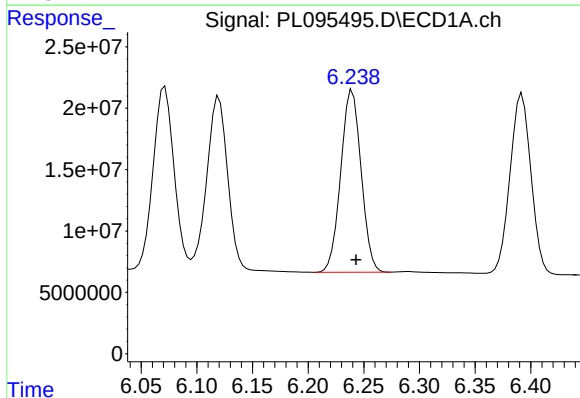
R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 201517606
Conc: 49.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



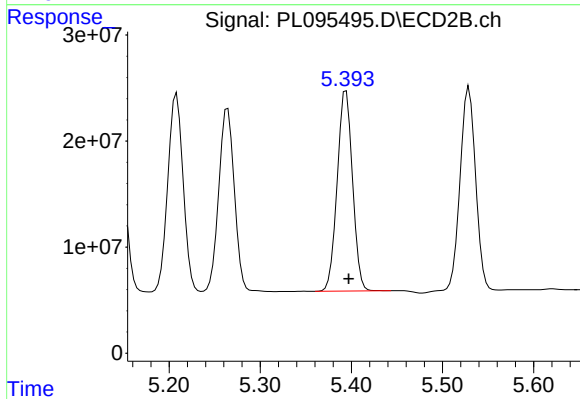
#11 alpha-Chlordane

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 220176479
Conc: 55.31 ng/ml



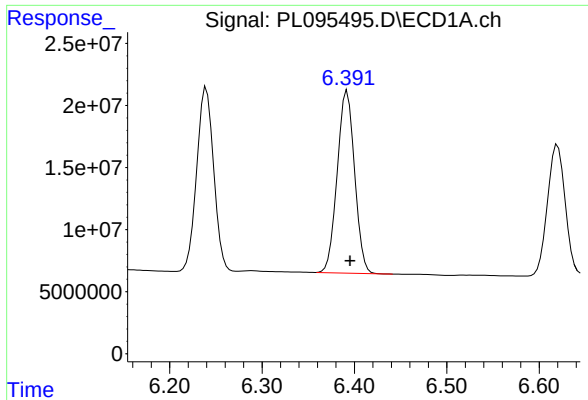
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 189146785
Conc: 48.24 ng/ml



#12 4,4'-DDE

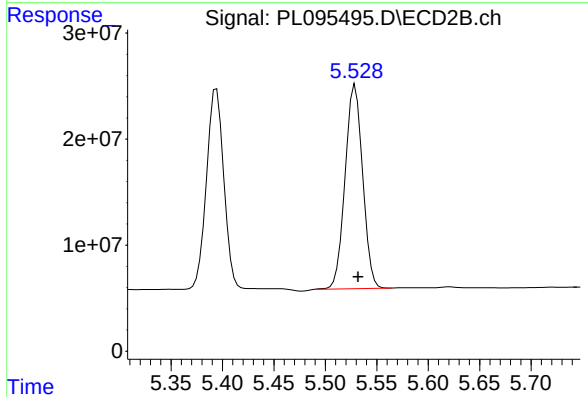
R.T.: 5.394 min
Delta R.T.: -0.003 min
Response: 220652486
Conc: 54.25 ng/ml



#13 Dieldrin

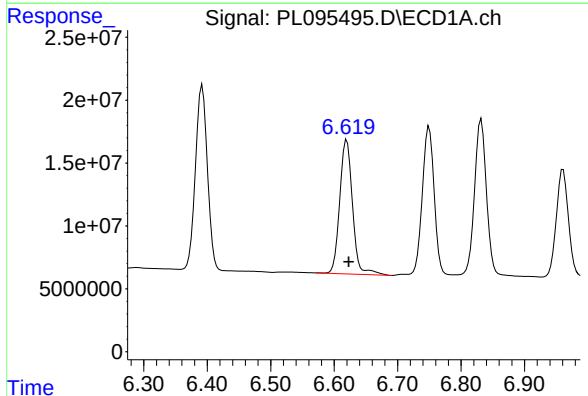
R.T.: 6.392 min
Delta R.T.: -0.003 min
Response: 192015335
Conc: 49.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



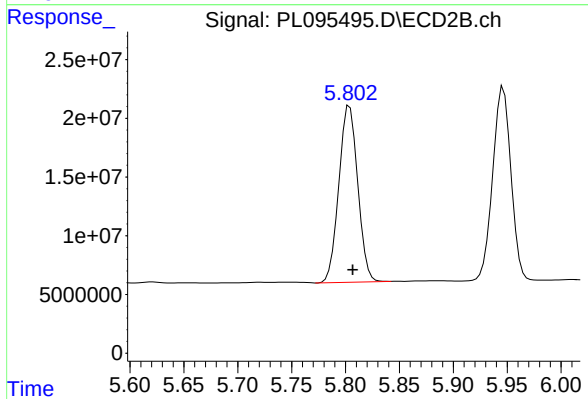
#13 Dieldrin

R.T.: 5.529 min
Delta R.T.: -0.003 min
Response: 228486607
Conc: 56.18 ng/ml



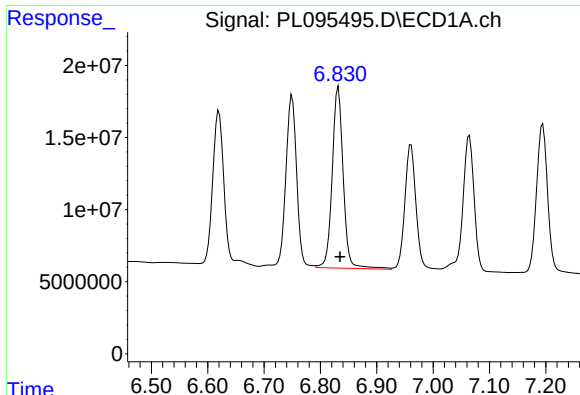
#14 Endrin

R.T.: 6.620 min
Delta R.T.: -0.003 min
Response: 149350595
Conc: 46.90 ng/ml



#14 Endrin

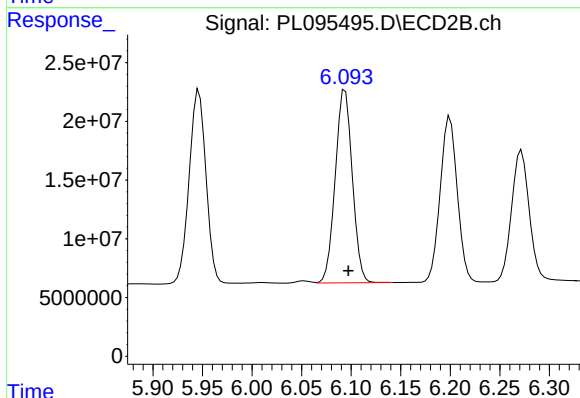
R.T.: 5.804 min
Delta R.T.: -0.003 min
Response: 183436292
Conc: 50.38 ng/ml



#15 Endosulfan II

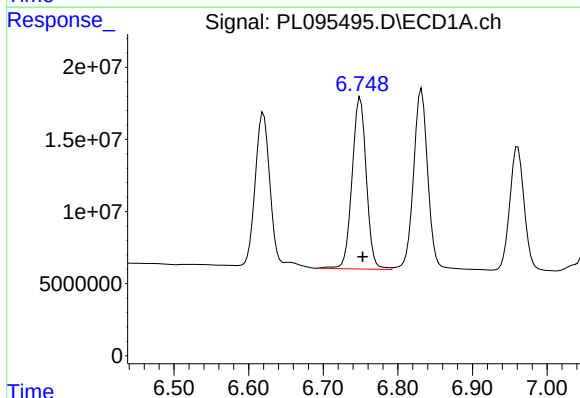
R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 171784128
Conc: 53.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



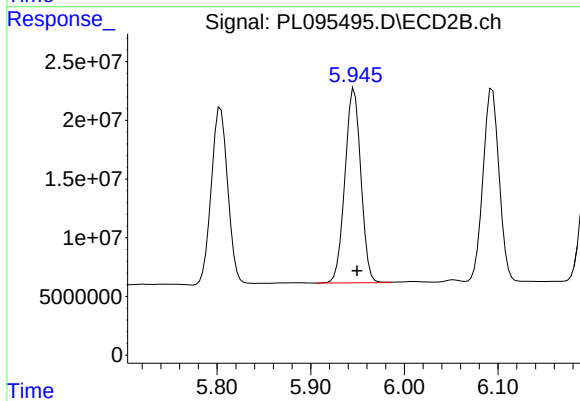
#15 Endosulfan II

R.T.: 6.094 min
Delta R.T.: -0.003 min
Response: 196651203
Conc: 54.76 ng/ml



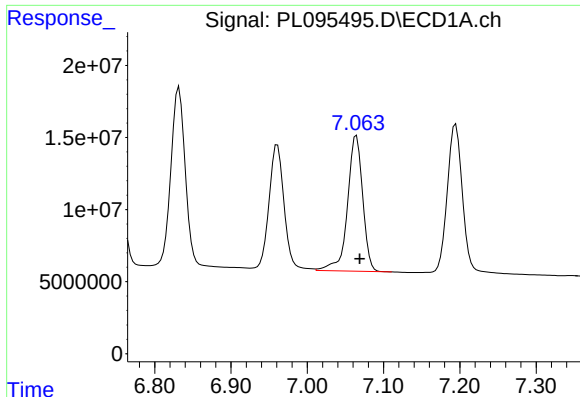
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: -0.003 min
Response: 158212643
Conc: 55.89 ng/ml



#16 4,4'-DDD

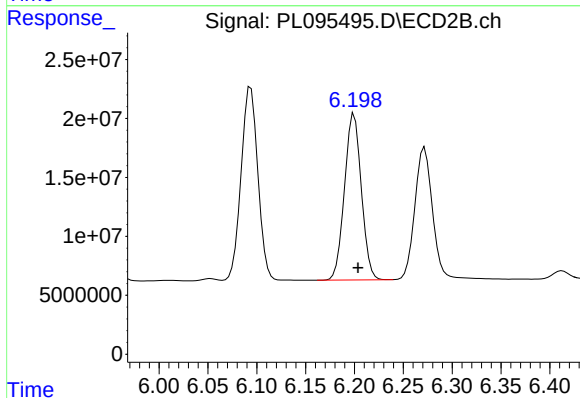
R.T.: 5.947 min
Delta R.T.: -0.003 min
Response: 195675815
Conc: 59.90 ng/ml



#17 4,4'-DDT

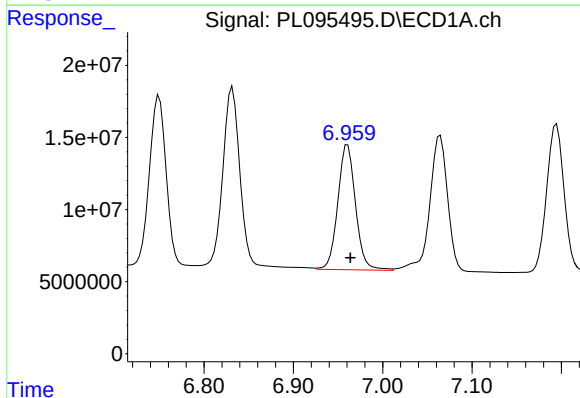
R.T.: 7.064 min
Delta R.T.: -0.004 min
Response: 130271804
Conc: 45.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



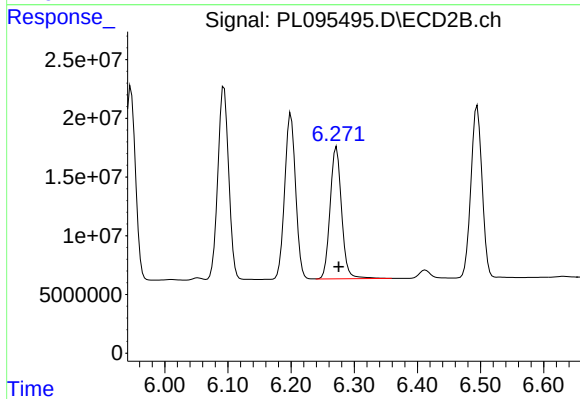
#17 4,4'-DDT

R.T.: 6.200 min
Delta R.T.: -0.004 min
Response: 169170711
Conc: 49.23 ng/ml



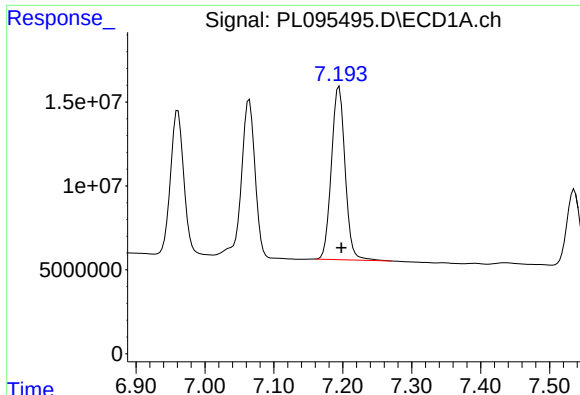
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.003 min
Response: 119593736
Conc: 51.53 ng/ml



#18 Endrin aldehyde

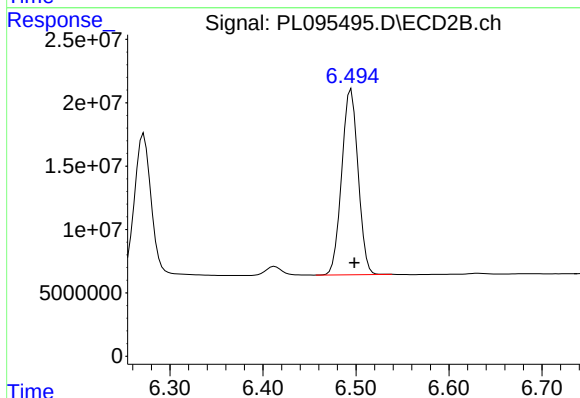
R.T.: 6.272 min
Delta R.T.: -0.004 min
Response: 142025119
Conc: 54.35 ng/ml



#19 Endosulfan Sulfate

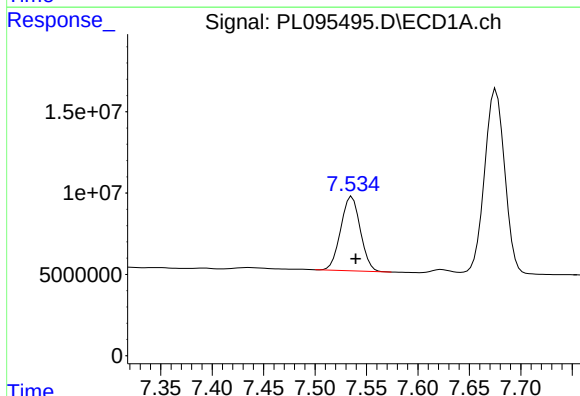
R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 142024914
Conc: 50.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



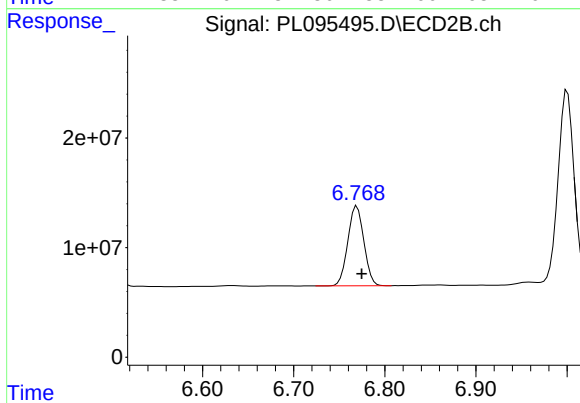
#19 Endosulfan Sulfate

R.T.: 6.495 min
Delta R.T.: -0.004 min
Response: 179215992
Conc: 54.01 ng/ml



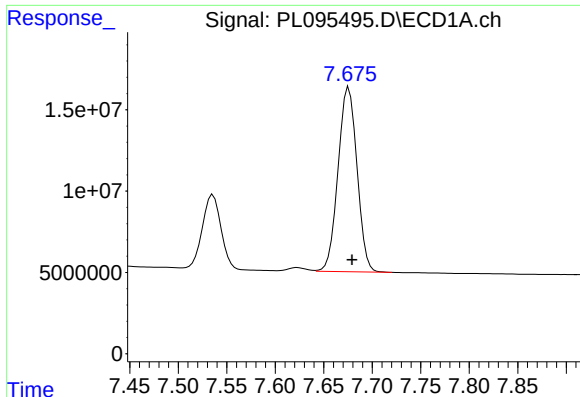
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.004 min
Response: 60546547
Conc: 43.40 ng/ml



#20 Methoxychlor

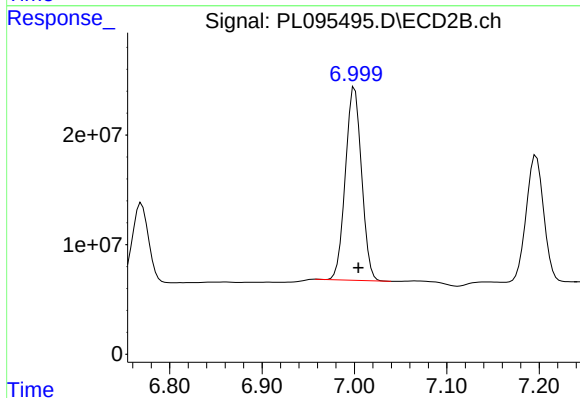
R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 89031914
Conc: 46.68 ng/ml



#21 Endrin ketone

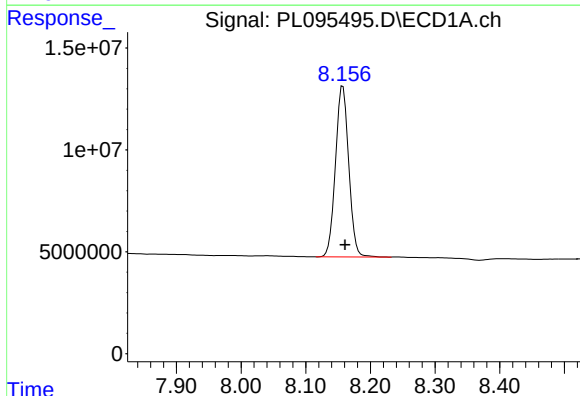
R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 154163643
Conc: 54.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



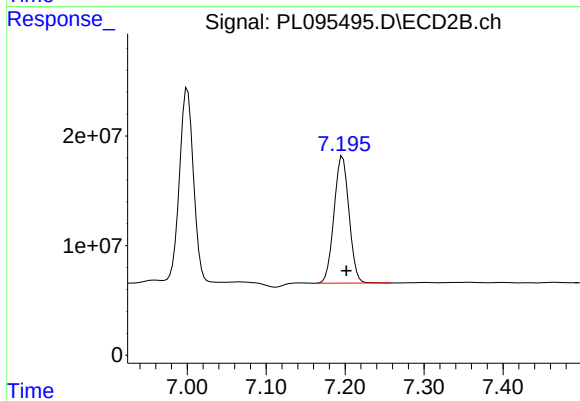
#21 Endrin ketone

R.T.: 7.000 min
Delta R.T.: -0.004 min
Response: 214213186
Conc: 60.83 ng/ml



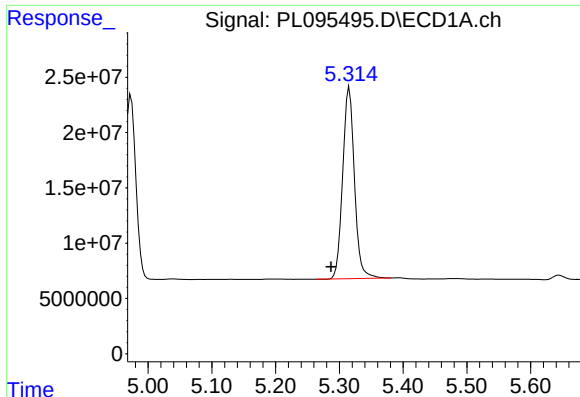
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.003 min
Response: 119365097
Conc: 50.24 ng/ml



#22 Mirex

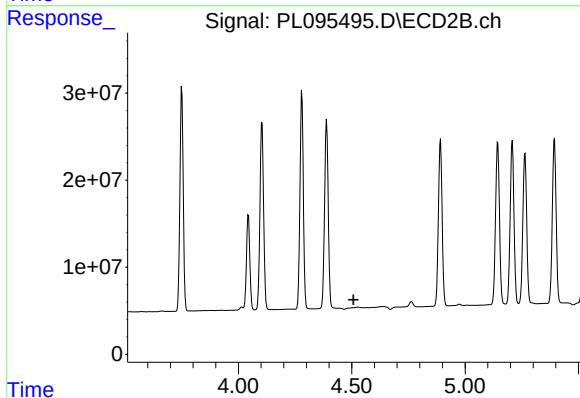
R.T.: 7.197 min
Delta R.T.: -0.005 min
Response: 152886124
Conc: 53.04 ng/ml



#24 Chlordane-2

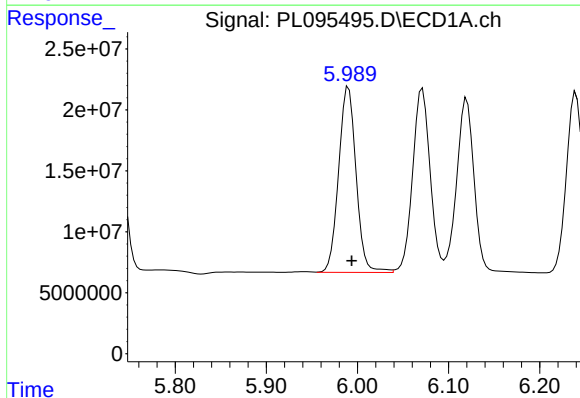
R.T.: 5.316 min
Delta R.T.: 0.029 min
Response: 221781369
Conc: 1047.54 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



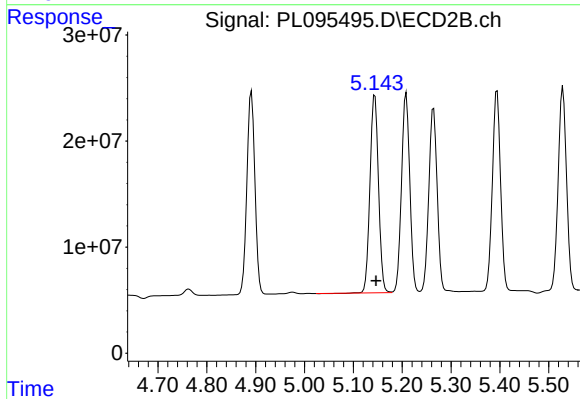
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.508 min
Response: 0
Conc: N.D.



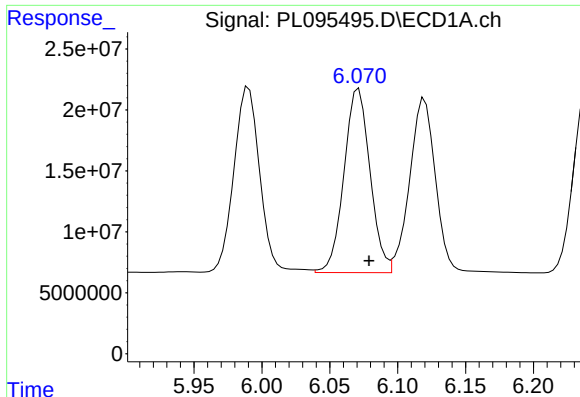
#25 Chlordane-3

R.T.: 5.990 min
Delta R.T.: -0.004 min
Response: 202732390
Conc: 260.27 ng/ml



#25 Chlordane-3

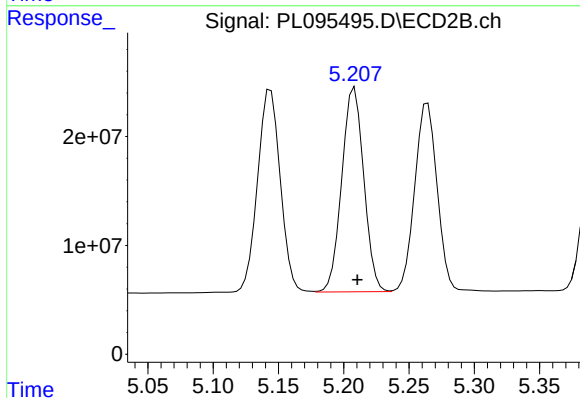
R.T.: 5.144 min
Delta R.T.: -0.003 min
Response: 225324274
Conc: 436.15 ng/ml



#26 Chlordane-4

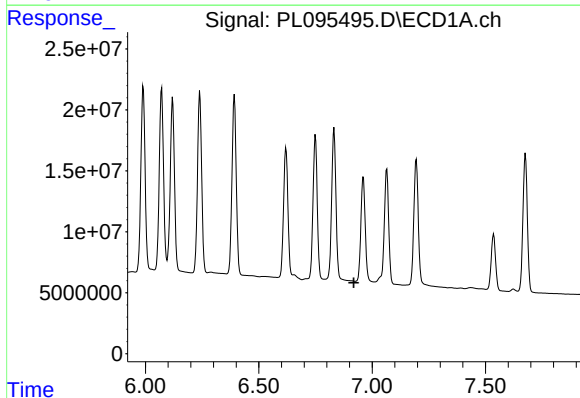
R.T.: 6.071 min
Delta R.T.: -0.008 min
Response: 201517606
Conc: 213.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



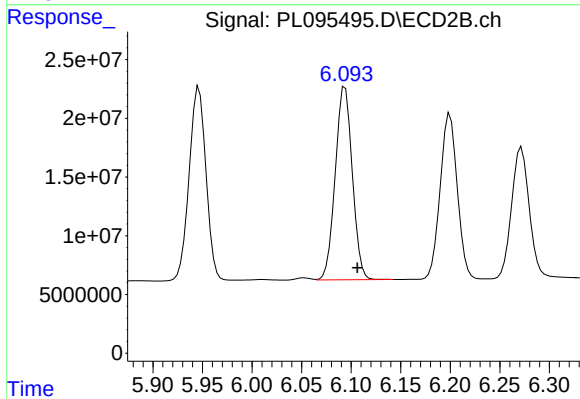
#26 Chlordane-4

R.T.: 5.208 min
Delta R.T.: -0.002 min
Response: 220176479
Conc: 506.61 ng/ml



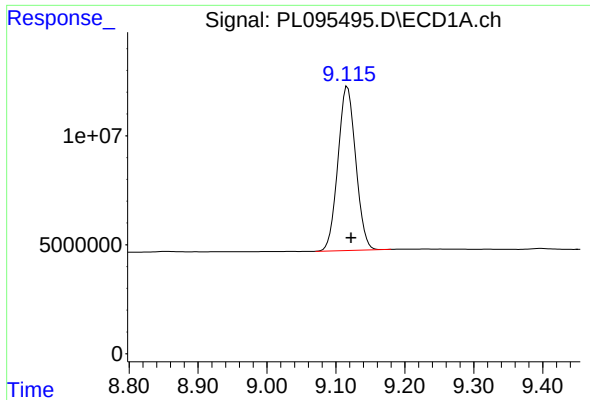
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.919 min
Response: 0
Conc: N.D.



#27 Chlordane-5

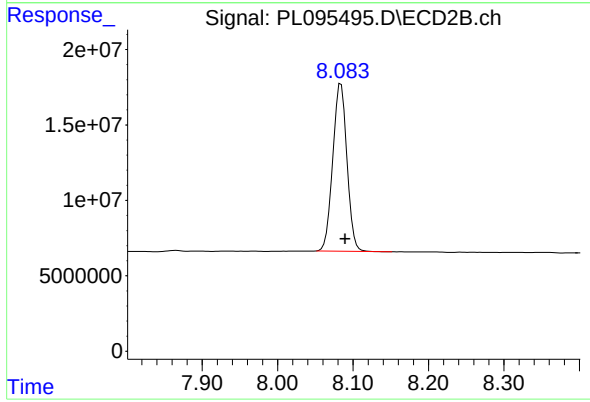
R.T.: 6.094 min
Delta R.T.: -0.012 min
Response: 196651203
Conc: 1064.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 135230798
Conc: 48.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.084 min
Delta R.T.: -0.006 min
Response: 145027127
Conc: 49.01 ng/ml