

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 : Q1730
ATTENTION : Adam Roy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1730

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1730-01
Q1730-02
Q1730-03
Q1730-04
Q1730-05
Q1730-06
Q1730-07
Q1730-08
Q1730-09
Q1730-10
Q1730-11
Q1730-12
Q1730-13
Q1730-14
Q1730-15
Q1730-16
Q1730-17
Q1730-18
Q1730-19
Q1730-20

Client Sample Number

OU4-VSL-15-040325
OU4-VSL-15-040325
OU4-VSL-16-040325
OU4-VSL-16-040325
OU4-VSL-17-040325
OU4-VSL-17-040325
OU4-PCS-TC-21-040325
OU4-PCS-TC-21-040325
OU4-PCS-TC-22-040325
OU4-PCS-TC-22-040325
OU4-PCS-TC-23-040325
OU4-PCS-TC-23-040325
OU4-PCS-TC-24-040325
OU4-PCS-TC-24-040325
OU4-PCS-TC-25-040325
OU4-PCS-TC-25-040325
OU4-PCS-TC-26-040325
OU4-PCS-TC-26-040325
OU4-CF-15-040325
OU4-CF-15-040325

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 9:18 am, Apr 17, 2025

Date: 4/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1730

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 04/04/2025.

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 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 met the requirements .

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.



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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 9:18 am, Apr 17, 2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1730

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 met the requirements .			
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .			
7.	Retention Time Shift Meet Criteria (if applicable)			✓
	Comments:			
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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

By Sohil Jodhani, QA/QC Director at 9:08 am, Apr 17, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1730

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: 04/14/2025

LAB CHRONICLE

OrderID:	Q1730	OrderDate:	4/4/2025 10:51:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1730-01	OU4-VSL-15-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/07/25	
			Pesticide-TCL	8081B		04/07/25	04/08/25	
Q1730-03	OU4-VSL-16-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/07/25	
			Pesticide-TCL	8081B		04/07/25	04/08/25	
Q1730-05	OU4-VSL-17-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/08/25	
			Pesticide-TCL	8081B		04/07/25	04/08/25	
Q1730-07	OU4-PCS-TC-21-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/08/25	
			Pesticide-TCL	8081B		04/07/25	04/08/25	
Q1730-09	OU4-PCS-TC-22-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/08/25	
			Pesticide-TCL	8081B		04/07/25	04/07/25	
Q1730-11	OU4-PCS-TC-23-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/08/25	
			Pesticide-TCL	8081B		04/07/25	04/07/25	
Q1730-13	OU4-PCS-TC-24-040325	SOIL			04/03/25			04/04/25
			PCB	8082A		04/07/25	04/08/25	
			Pesticide-TCL	8081B		04/07/25	04/07/25	

LAB CHRONICLE

Q1730-15	OU4-PCS-TC-25-0403 25	SOIL	04/03/25				04/04/25
			PCB	8082A	04/07/25	04/08/25	
			Pesticide-TCL	8081B	04/07/25	04/07/25	
Q1730-17	OU4-PCS-TC-26-0403 25	SOIL	04/03/25				04/04/25
			PCB	8082A	04/07/25	04/08/25	
			Pesticide-TCL	8081B	04/07/25	04/07/25	
Q1730-19	OU4-CF-15-040325	SOIL	04/03/25				04/04/25
			PCB	8082A	04/07/25	04/08/25	
			Pesticide-TCL	8081B	04/07/25	04/07/25	

Hit Summary Sheet
SW-846

SDG No.: Q1730

Order ID: Q1730

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

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Surrogate Summary

SDG No.: Q1730

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		30	135
		Tetrachloro-m-xylene	1	20	20.6	103		44	124
		Decachlorobiphenyl	2	20	21.0	105		30	135
		Tetrachloro-m-xylene	2	20	20.2	101		44	124
I.BLK-PL095071.D	PIBLK-PL095071.D	Decachlorobiphenyl	1	20	23.0	115		30	135
		Tetrachloro-m-xylene	1	20	20.0	100		44	124
		Decachlorobiphenyl	2	20	20.7	104		30	135
		Tetrachloro-m-xylene	2	20	20.5	102		44	124
Q1730-09	OU4-PCS-TC-22-040325	Decachlorobiphenyl	1	20	23.7	119		55	130
		Tetrachloro-m-xylene	1	20	22.7	114		42	129
		Decachlorobiphenyl	2	20	21.1	106		55	130
		Tetrachloro-m-xylene	2	20	22.9	115		42	129
Q1730-11	OU4-PCS-TC-23-040325	Decachlorobiphenyl	1	20	22.8	114		55	130
		Tetrachloro-m-xylene	1	20	22.4	112		42	129
		Decachlorobiphenyl	2	20	20.2	101		55	130
		Tetrachloro-m-xylene	2	20	22.4	112		42	129
Q1730-13	OU4-PCS-TC-24-040325	Decachlorobiphenyl	1	20	24.5	123		55	130
		Tetrachloro-m-xylene	1	20	22.3	112		42	129
		Decachlorobiphenyl	2	20	21.7	109		55	130
		Tetrachloro-m-xylene	2	20	22.9	115		42	129
Q1730-15	OU4-PCS-TC-25-040325	Decachlorobiphenyl	1	20	22.6	113		55	130
		Tetrachloro-m-xylene	1	20	21.4	107		42	129
		Decachlorobiphenyl	2	20	19.9	99		55	130
		Tetrachloro-m-xylene	2	20	22.0	110		42	129
Q1730-17	OU4-PCS-TC-26-040325	Decachlorobiphenyl	1	20	23.3	117		55	130
		Tetrachloro-m-xylene	1	20	21.2	106		42	129
		Decachlorobiphenyl	2	20	20.8	104		55	130
		Tetrachloro-m-xylene	2	20	21.7	109		42	129
Q1730-19	OU4-CF-15-040325	Decachlorobiphenyl	1	20	23.3	116		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	21.1	106		55	130
		Tetrachloro-m-xylene	2	20	22.3	112		42	129
I.BLK-PL095085.D	PIBLK-PL095085.D	Decachlorobiphenyl	1	20	20.4	102		30	135
		Tetrachloro-m-xylene	1	20	19.7	99		44	124
		Decachlorobiphenyl	2	20	15.8	79		30	135
		Tetrachloro-m-xylene	2	20	20.7	104		44	124
I.BLK-PL095095.D	PIBLK-PL095095.D	Decachlorobiphenyl	1	20	21.2	106		30	135
		Tetrachloro-m-xylene	1	20	18.3	92		44	124
		Decachlorobiphenyl	2	20	19.0	95		30	135
		Tetrachloro-m-xylene	2	20	18.7	94		44	124
PB167473BL	PB167473BL	Decachlorobiphenyl	1	20	18.1	91		55	130

Surrogate Summary

SDG No.: Q1730

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB167473BL	PB167473BL	Tetrachloro-m-xylene	1	20	16.6	83		42	129
		Decachlorobiphenyl	2	20	16.7	84		55	130
		Tetrachloro-m-xylene	2	20	17.3	87		42	129
Q1730-01	OU4-VSL-15-040325	Decachlorobiphenyl	1	20	21.4	107		55	130
		Tetrachloro-m-xylene	1	20	18.5	93		42	129
		Decachlorobiphenyl	2	20	19.1	96		55	130
		Tetrachloro-m-xylene	2	20	19.1	95		42	129
Q1730-01MS	OU4-VSL-15-040325MS	Decachlorobiphenyl	1	20	19.5	98		55	130
		Tetrachloro-m-xylene	1	20	16.9	84		42	129
		Decachlorobiphenyl	2	20	17.6	88		55	130
		Tetrachloro-m-xylene	2	20	17.1	86		42	129
Q1730-01MSD	OU4-VSL-15-040325MSD	Decachlorobiphenyl	1	20	19.2	96		55	130
		Tetrachloro-m-xylene	1	20	16.7	83		42	129
		Decachlorobiphenyl	2	20	17.5	87		55	130
		Tetrachloro-m-xylene	2	20	17.0	85		42	129
Q1730-03	OU4-VSL-16-040325	Decachlorobiphenyl	1	20	22.9	114		55	130
		Tetrachloro-m-xylene	1	20	20.4	102		42	129
		Decachlorobiphenyl	2	20	21.1	105		55	130
		Tetrachloro-m-xylene	2	20	21.0	105		42	129
Q1730-05	OU4-VSL-17-040325	Decachlorobiphenyl	1	20	25.8	129		55	130
		Tetrachloro-m-xylene	1	20	23.0	115		42	129
		Decachlorobiphenyl	2	20	23.9	120		55	130
		Tetrachloro-m-xylene	2	20	23.8	119		42	129
Q1730-07	OU4-PCS-TC-21-040325	Decachlorobiphenyl	1	20	21.5	107		55	130
		Tetrachloro-m-xylene	1	20	20.5	103		42	129
		Decachlorobiphenyl	2	20	18.6	93		55	130
		Tetrachloro-m-xylene	2	20	21.1	105		42	129
I.BLK-PL095110.D	PIBLK-PL095110.D	Decachlorobiphenyl	1	20	22.3	112		30	135
		Tetrachloro-m-xylene	1	20	19.1	95		44	124
		Decachlorobiphenyl	2	20	20.1	100		30	135
		Tetrachloro-m-xylene	2	20	19.7	98		44	124
I.BLK-PL095127.D	PIBLK-PL095127.D	Decachlorobiphenyl	1	20	23.3	117		30	135
		Tetrachloro-m-xylene	1	20	20.2	101		44	124
		Decachlorobiphenyl	2	20	21.4	107		30	135
		Tetrachloro-m-xylene	2	20	21.0	105		44	124
PB167473BS	PB167473BS	Decachlorobiphenyl	1	20	24.4	122		55	130
		Tetrachloro-m-xylene	1	20	21.4	107		42	129
		Decachlorobiphenyl	2	20	23.6	118		55	130
		Tetrachloro-m-xylene	2	20	22.7	113		42	129
I.BLK-PL095137.D	PIBLK-PL095137.D	Decachlorobiphenyl	1	20	20.9	105		30	135
		Tetrachloro-m-xylene	1	20	19.1	96		44	124

Surrogate Summary

SDG No.: Q1730

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095137.D	PIBLK-PL095137.D	Decachlorobiphenyl	2	20	16.8	84		30	135
		Tetrachloro-m-xylene	2	20	20.4	102		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL095105.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-VSL-15-040325MS											
Q1730-01MS	alpha-BHC	17.18	0	17.5	ug/kg	102				45	137	
	beta-BHC	17.18	0	17.1	ug/kg	100				50	136	
	delta-BHC	17.18	0	16.0	ug/kg	93				47	139	
	gamma-BHC (Lindane)	17.18	0	17.0	ug/kg	99				49	135	
	Heptachlor	17.18	0	16.4	ug/kg	95				47	136	
	Aldrin	17.18	0	16.3	ug/kg	95				45	136	
	Heptachlor epoxide	17.18	0	16.4	ug/kg	95				52	136	
	Endosulfan I	17.18	0	16.4	ug/kg	95				53	132	
	Dieldrin	17.18	0	16.8	ug/kg	98				56	136	
	4,4'-DDE	17.18	0	18.1	ug/kg	105				56	134	
	Endrin	17.18	0	17.3	ug/kg	101				57	140	
	Endosulfan II	17.18	0	17.2	ug/kg	100				53	134	
	4,4'-DDD	17.18	0	18.9	ug/kg	110				56	139	
	Endosulfan sulfate	17.18	0	17.0	ug/kg	99				55	136	
	4,4'-DDT	17.18	0	18.1	ug/kg	105				50	141	
	Methoxychlor	17.18	0	19.0	ug/kg	111				52	143	
	Endrin ketone	17.18	0	17.7	ug/kg	103				55	136	
	Endrin aldehyde	17.18	0	16.5	ug/kg	96				35	137	
	alpha-Chlordane	17.18	0	16.4	ug/kg	95				54	133	
	gamma-Chlordane	17.18	0	16.5	ug/kg	96				53	135	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL095106.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-VSL-15-040325MSD											
Q1730-01MSD	alpha-BHC	17.17	0	17.3	ug/kg	101		1		45	137	20
	beta-BHC	17.17	0	16.8	ug/kg	98		2		50	136	20
	delta-BHC	17.17	0	16.0	ug/kg	93		0		47	139	20
	gamma-BHC (Lindane)	17.17	0	16.8	ug/kg	98		1		49	135	20
	Heptachlor	17.17	0	16.2	ug/kg	94		1		47	136	20
	Aldrin	17.17	0	16.2	ug/kg	94		1		45	136	20
	Heptachlor epoxide	17.17	0	16.2	ug/kg	94		1		52	136	20
	Endosulfan I	17.17	0	16.2	ug/kg	94		1		53	132	20
	Dieldrin	17.17	0	16.6	ug/kg	97		1		56	136	20
	4,4'-DDE	17.17	0	18.0	ug/kg	105		0		56	134	20
	Endrin	17.17	0	17.0	ug/kg	99		2		57	140	20
	Endosulfan II	17.17	0	17.0	ug/kg	99		1		53	134	20
	4,4'-DDD	17.17	0	18.7	ug/kg	109		1		56	139	20
	Endosulfan sulfate	17.17	0	16.9	ug/kg	98		1		55	136	20
	4,4'-DDT	17.17	0	17.9	ug/kg	104		1		50	141	20
	Methoxychlor	17.17	0	19.2	ug/kg	112		1		52	143	20
	Endrin ketone	17.17	0	17.3	ug/kg	101		2		55	136	20
	Endrin aldehyde	17.17	0	16.7	ug/kg	97		1		35	137	20
	alpha-Chlordane	17.17	0	16.1	ug/kg	94		1		54	133	20
	gamma-Chlordane	17.17	0	16.1	ug/kg	94		2		53	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1730

Client: Nobis Group

Analytical Method: **8081B** Datafile : PL095130.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167473BS	alpha-BHC	16.65	17.4	ug/kg	105				45	137	
	beta-BHC	16.65	16.9	ug/kg	102				50	136	
	delta-BHC	16.65	16.3	ug/kg	98				47	139	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				49	135	
	Heptachlor	16.65	15.9	ug/kg	95				47	136	
	Aldrin	16.65	15.8	ug/kg	95				45	136	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				52	136	
	Endosulfan I	16.65	16.0	ug/kg	96				53	132	
	Dieldrin	16.65	15.8	ug/kg	95				56	136	
	4,4'-DDE	16.65	16.5	ug/kg	99				56	134	
	Endrin	16.65	15.8	ug/kg	95				57	140	
	Endosulfan II	16.65	16.2	ug/kg	97				53	134	
	4,4'-DDD	16.65	17.7	ug/kg	106				56	139	
	Endosulfan sulfate	16.65	16.8	ug/kg	101				55	136	
	4,4'-DDT	16.65	16.6	ug/kg	100				50	141	
	Methoxychlor	16.65	17.0	ug/kg	102				52	143	
	Endrin ketone	16.65	16.9	ug/kg	102				55	136	
	Endrin aldehyde	16.65	16.3	ug/kg	98				35	137	
	alpha-Chlordane	16.65	15.8	ug/kg	95				54	133	
	gamma-Chlordane	16.65	15.9	ug/kg	95				53	135	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167473BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: PB167473BL

Lab File ID: PL095100.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/07/2025

Date Analyzed (1): 04/08/2025

Date Analyzed (2): 04/08/2025

Time Analyzed (1): 11:19

Time Analyzed (2): 11:19

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
OU4-PCS-TC-22-040325	Q1730-09	PL095076.D	04/07/2025	04/07/2025
OU4-PCS-TC-23-040325	Q1730-11	PL095077.D	04/07/2025	04/07/2025
OU4-PCS-TC-24-040325	Q1730-13	PL095078.D	04/07/2025	04/07/2025
OU4-PCS-TC-25-040325	Q1730-15	PL095079.D	04/07/2025	04/07/2025
OU4-PCS-TC-26-040325	Q1730-17	PL095080.D	04/07/2025	04/07/2025
OU4-CF-15-040325	Q1730-19	PL095081.D	04/07/2025	04/07/2025
OU4-VSL-15-040325	Q1730-01	PL095104.D	04/08/2025	04/08/2025
OU4-VSL-15-040325MS	Q1730-01MS	PL095105.D	04/08/2025	04/08/2025
OU4-VSL-15-040325MSD	Q1730-01MSD	PL095106.D	04/08/2025	04/08/2025
OU4-VSL-16-040325	Q1730-03	PL095107.D	04/08/2025	04/08/2025
OU4-VSL-17-040325	Q1730-05	PL095108.D	04/08/2025	04/08/2025
OU4-PCS-TC-21-040325	Q1730-07	PL095109.D	04/08/2025	04/08/2025
PB167473BS	PB167473BS	PL095130.D	04/09/2025	04/09/2025

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:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.9
Sample Wt/Vol:	30.07	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
PL095104.D	1	04/07/25 08:20	04/08/25 13:17	PB167473

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	0.00085	0.0018	mg/Kg
319-86-8	delta-BHC	0.00086	U	0.00040	0.00085	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	0.00085	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	0.00085	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	0.00085	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00086	U	0.00020	0.00085	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00086	U	0.00038	0.00085	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	21.4		55 - 130		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		42 - 129		95%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-15-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.9	Decanted:
Sample Wt/Vol:	30.07	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
PL095104.D	1	04/07/25 08:20	04/08/25 13:17	PB167473

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\PL040825\
Data File : PL095104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:17
Operator : AR\AJ
Sample : Q1730-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.768	52392689	68101893	18.509m	19.080
28) SA Decachlor...	9.051	7.901	45159203	77232750	21.428	19.120

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:17
Operator : AR\AJ
Sample : Q1730-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

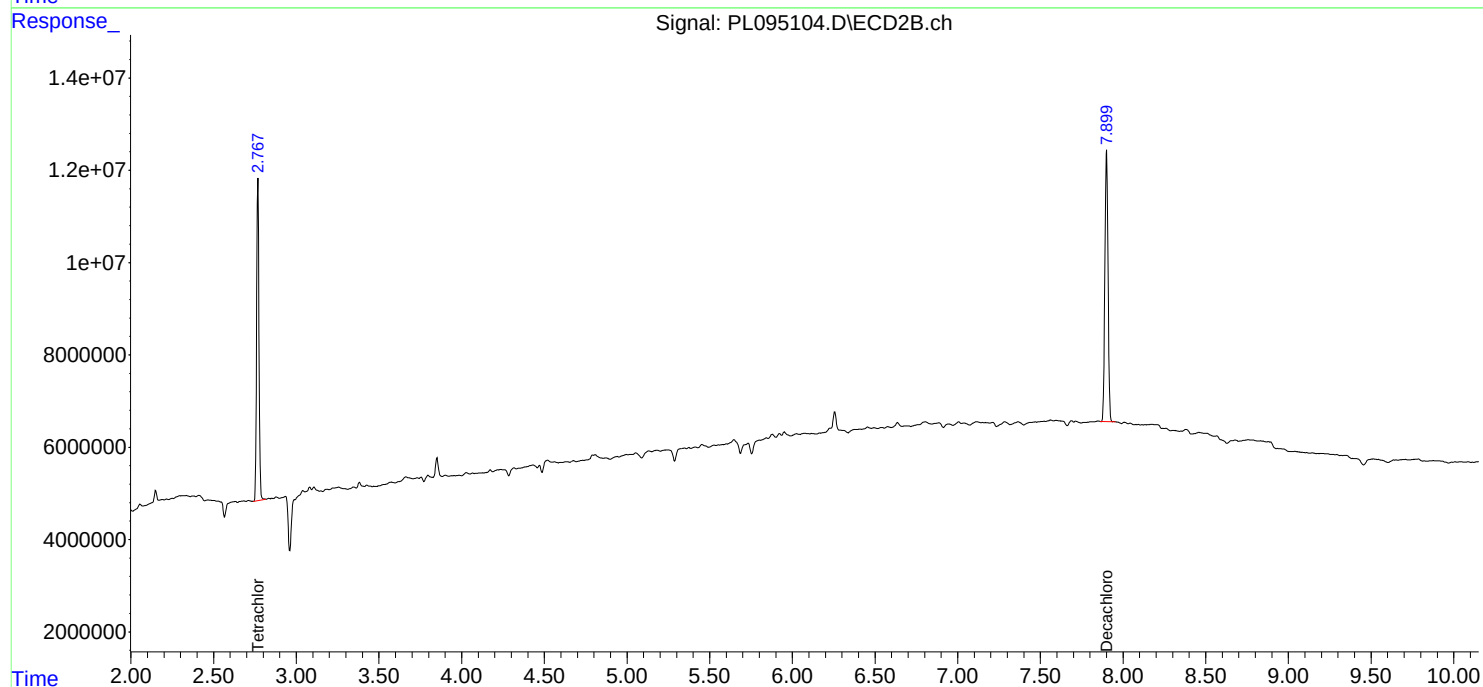
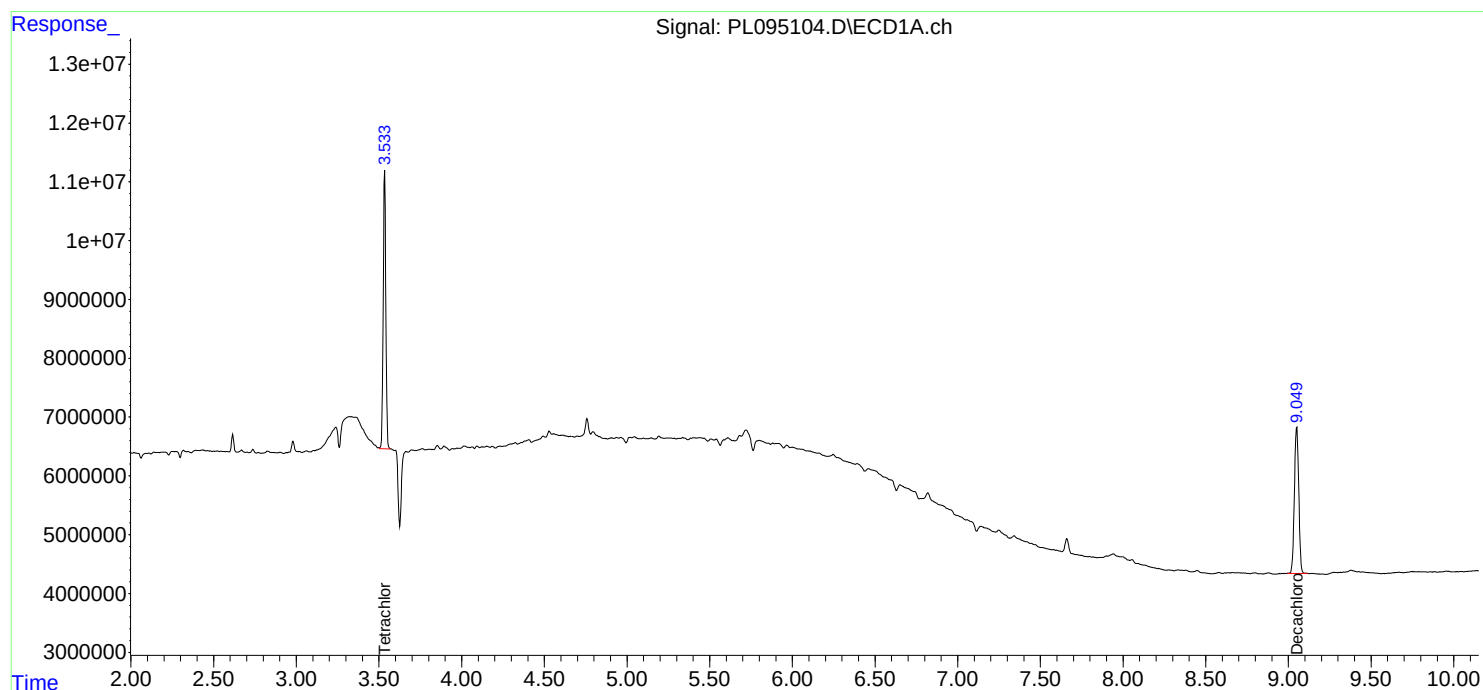
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325

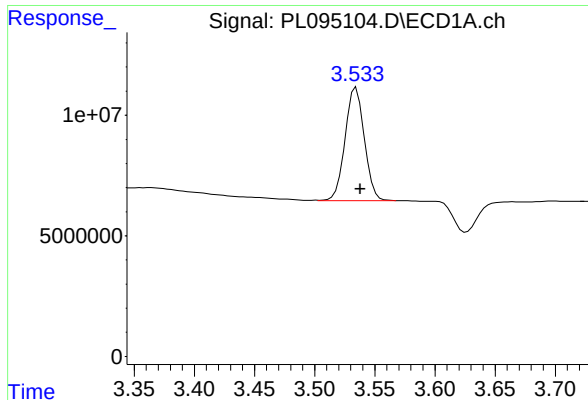
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/09/2025
Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





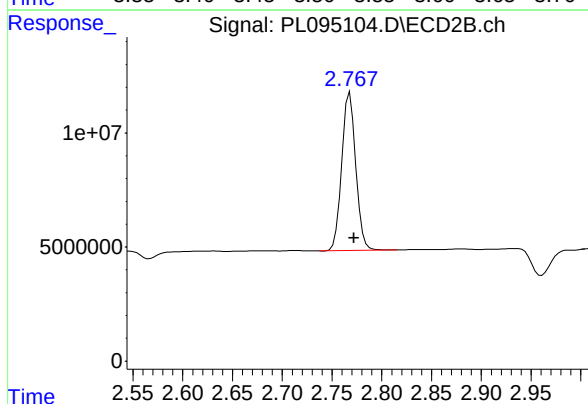
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 52392689
Conc: 18.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325

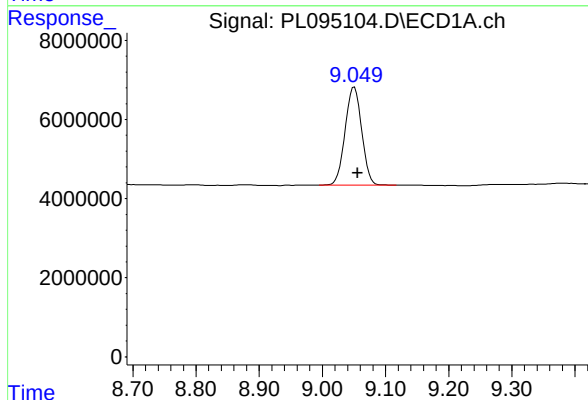
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



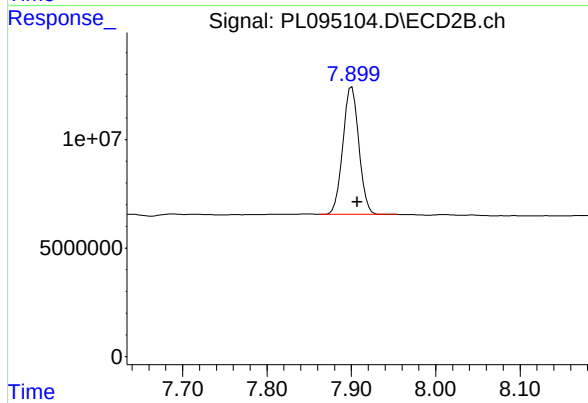
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 68101893
Conc: 19.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 45159203
Conc: 21.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 77232750
Conc: 19.12 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-16-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.5 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
PL095107.D	1	04/07/25 08:20	04/08/25 13:58	PB167473

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	22.9		55 - 130		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		42 - 129		105%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-16-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94.5	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
PL095107.D	1	04/07/25 08:20	04/08/25 13:58	PB167473

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\PL040825\
 Data File : PL095107.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 13:58
 Operator : AR\AJ
 Sample : Q1730-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-16-040325

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/09/2025
 Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.768	57754560	74843601	20.403m	20.969
28) SA Decachlor...	9.050	7.901	48246439	85073327	22.893	21.061

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:58
Operator : AR\AJ
Sample : Q1730-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

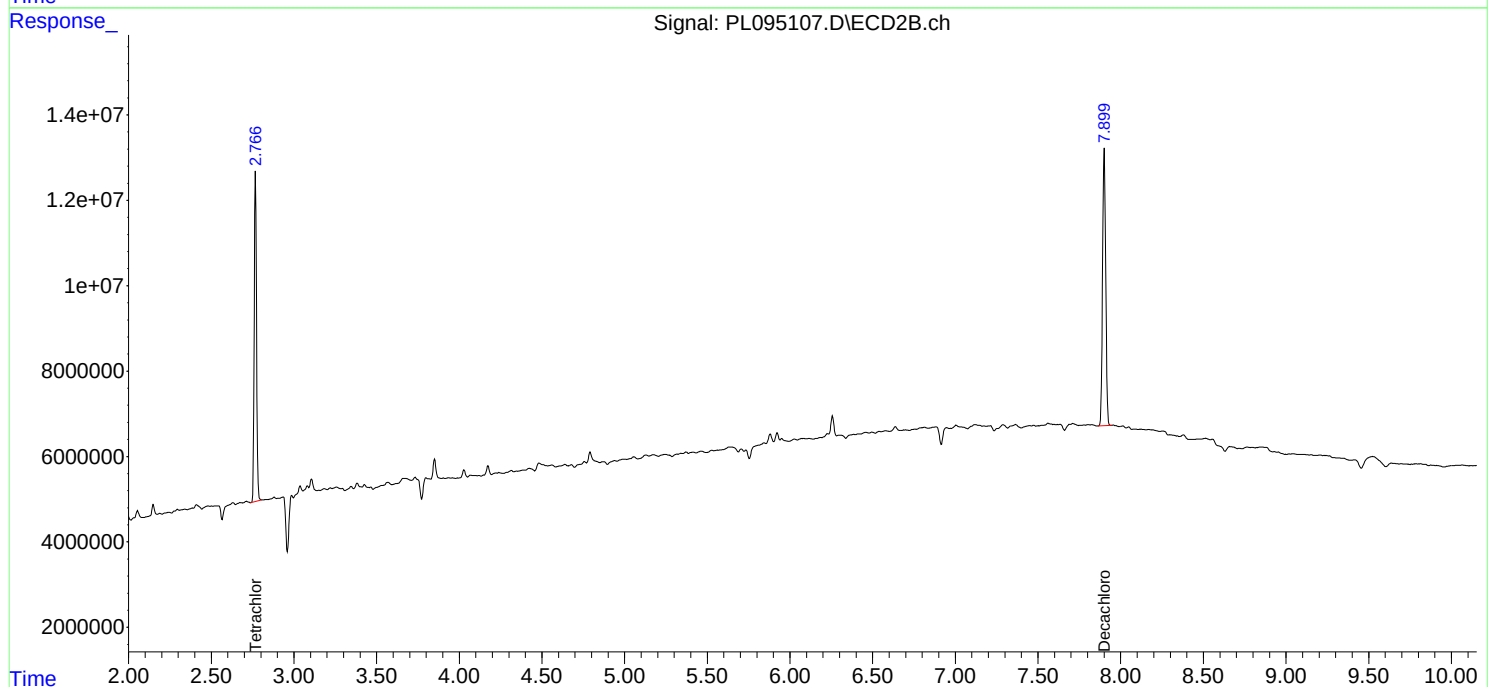
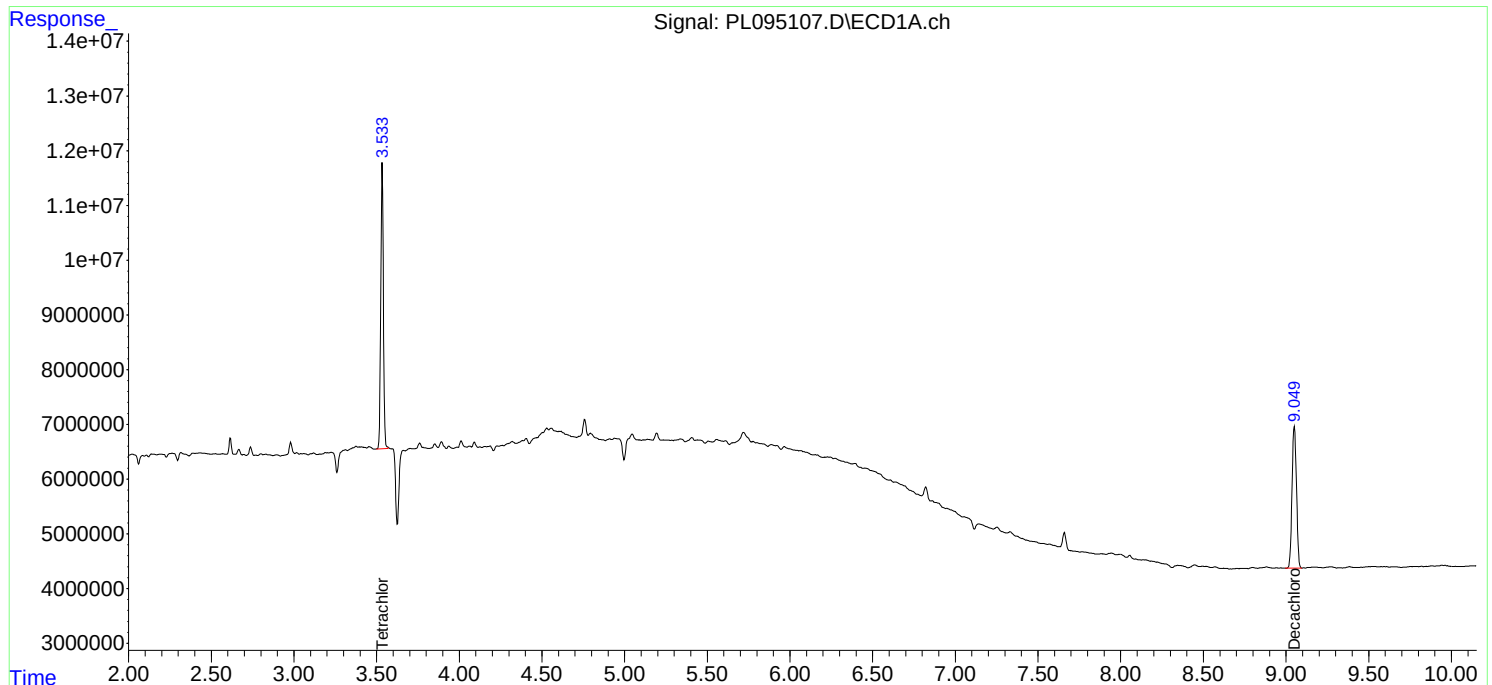
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325

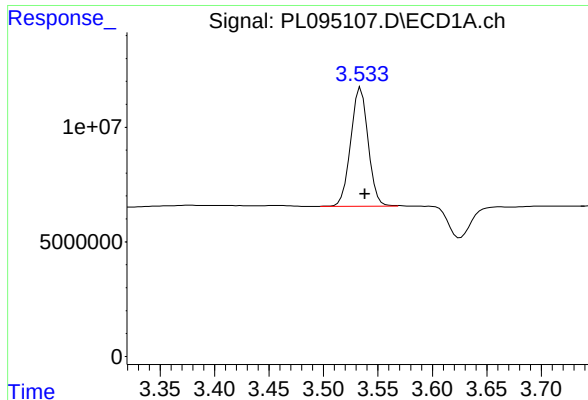
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





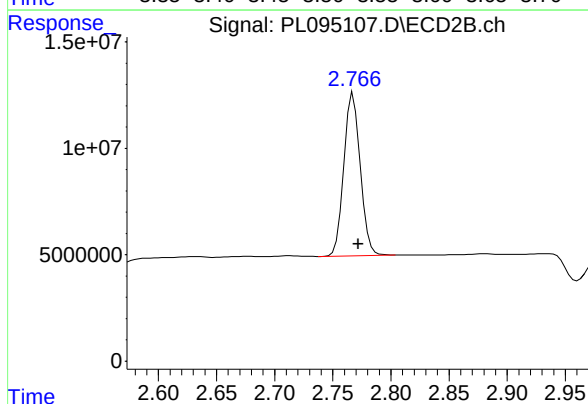
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 57754560
Conc: 20.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325

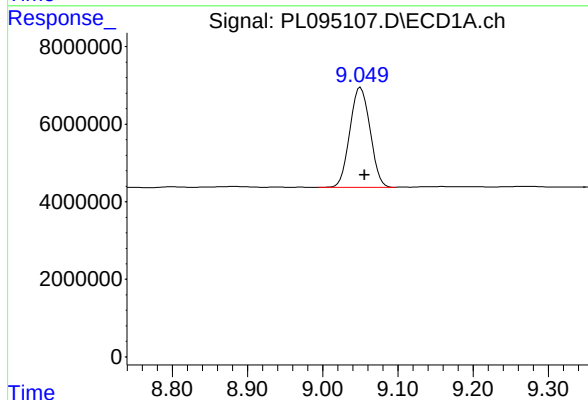
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



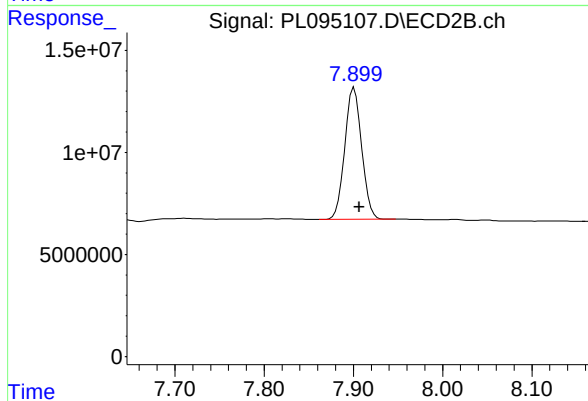
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 74843601
Conc: 20.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 48246439
Conc: 22.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 85073327
Conc: 21.06 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-17-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.4
Sample Wt/Vol:	30.08	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
PL095108.D	1	04/07/25 08:20	04/08/25 14:11	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00031	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0058	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.8		55 - 130		129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.8		42 - 129		119%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-17-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-05		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.4	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
PL095108.D	1	04/07/25 08:20	04/08/25 14:11	PB167473

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\PL040825\
 Data File : PL095108.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 14:11
 Operator : AR\AJ
 Sample : Q1730-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-17-040325

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/09/2025
 Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.769	65132531	85032115	23.010m	23.823
28) SA Decachlor...	9.052	7.901	54290166	96611536	25.761	23.918

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:11
Operator : AR\AJ
Sample : Q1730-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

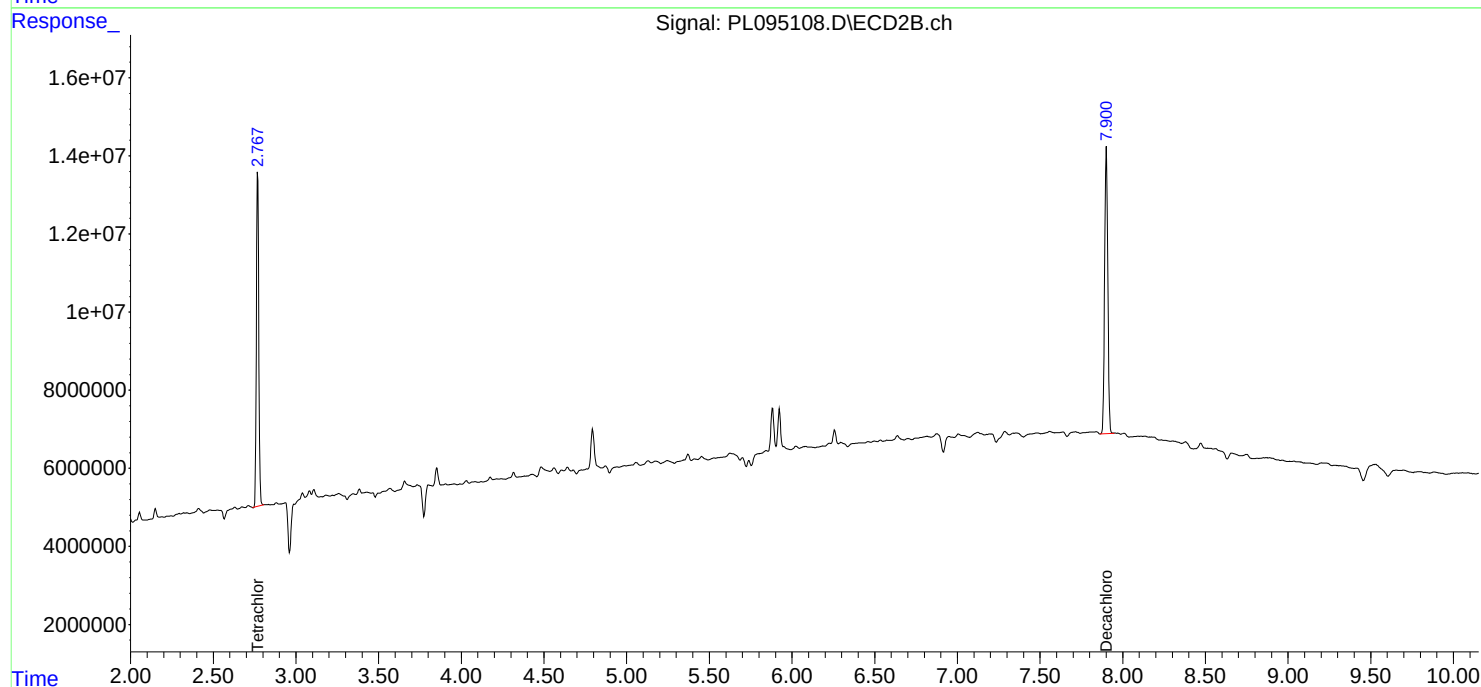
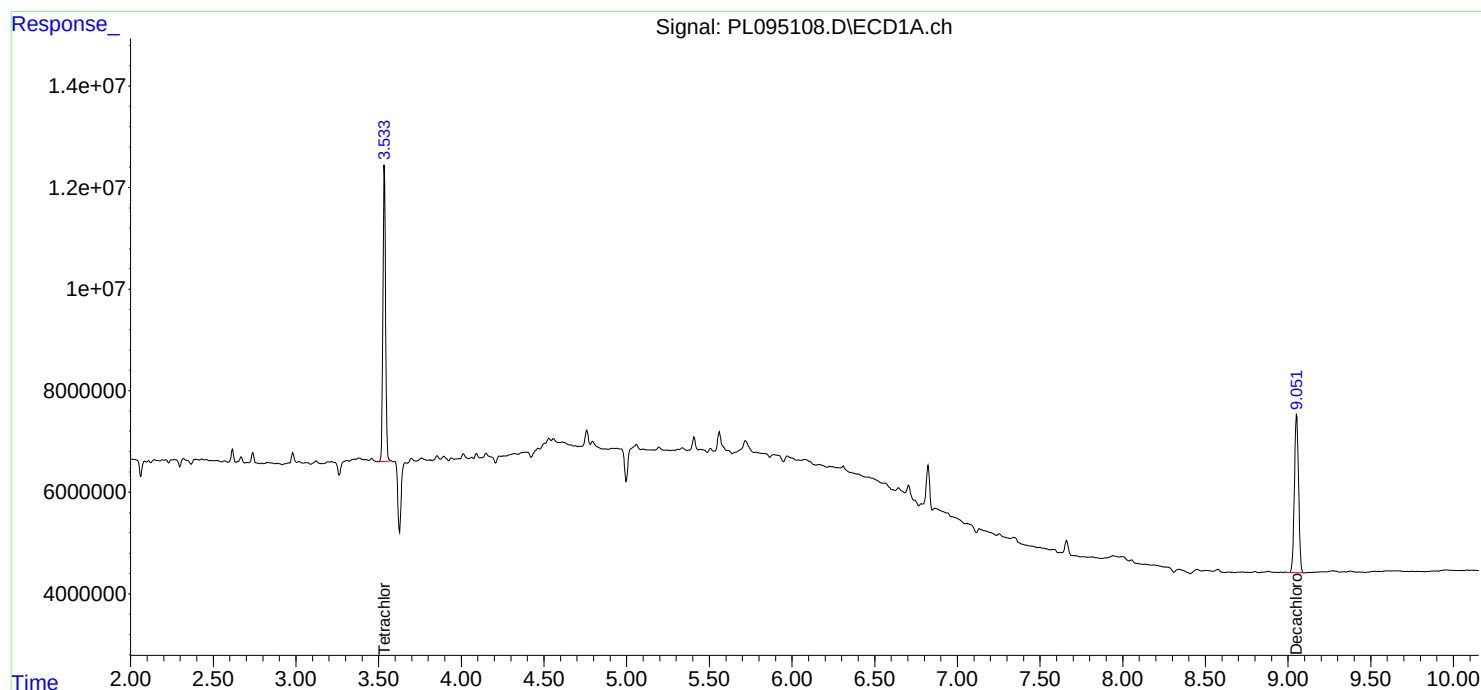
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325

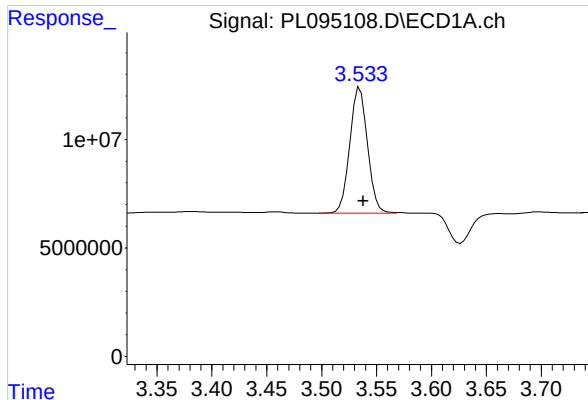
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/09/2025
Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





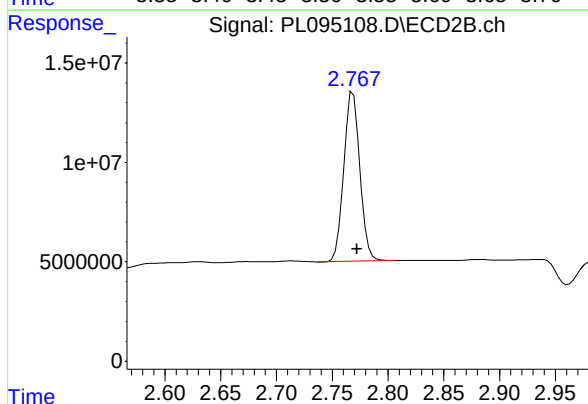
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 65132531
Conc: 23.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325

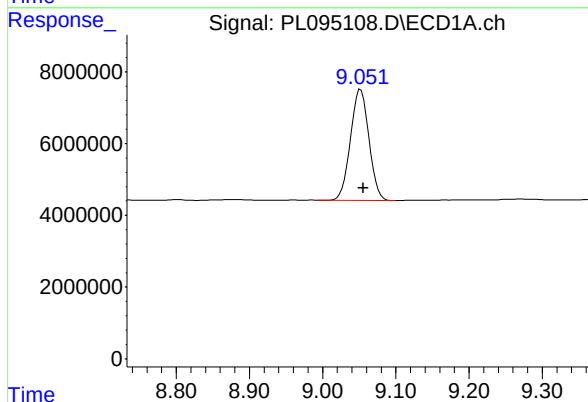
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



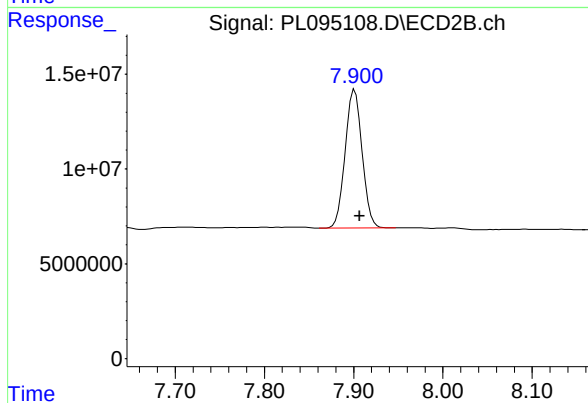
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 85032115
Conc: 23.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 54290166
Conc: 25.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 96611536
Conc: 23.92 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89
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
PL095109.D	1	04/07/25 08:20	04/08/25 14:25	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00037	U	0.00015	0.00037	0.0019	mg/Kg
319-85-7	beta-BHC	0.00093	U	0.00020	0.00093	0.0019	mg/Kg
319-86-8	delta-BHC	0.00093	U	0.00044	0.00093	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
76-44-8	Heptachlor	0.00037	U	0.00013	0.00037	0.0019	mg/Kg
309-00-2	Aldrin	0.00037	U	0.00013	0.00037	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00093	U	0.00021	0.00093	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
60-57-1	Dieldrin	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
72-20-8	Endrin	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00093	U	0.00033	0.00093	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00037	U	0.00017	0.00037	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00037	U	0.00015	0.00037	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00093	U	0.00042	0.00093	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00093	U	0.00021	0.00093	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00093	U	0.00042	0.00093	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00037	U	0.00013	0.00037	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00037	U	0.00017	0.00037	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0061	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.5		55 - 130		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		42 - 129		105%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-21-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89
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
PL095109.D	1	04/07/25 08:20	04/08/25 14:25	PB167473

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\PL040825\
Data File : PL095109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:25
Operator : AR\AJ
Sample : Q1730-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-21-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	58058279	75168520	20.510	21.060
28) SA Decachlor...	9.052	7.901	45235956	75118826	21.465	18.597

Target Compounds

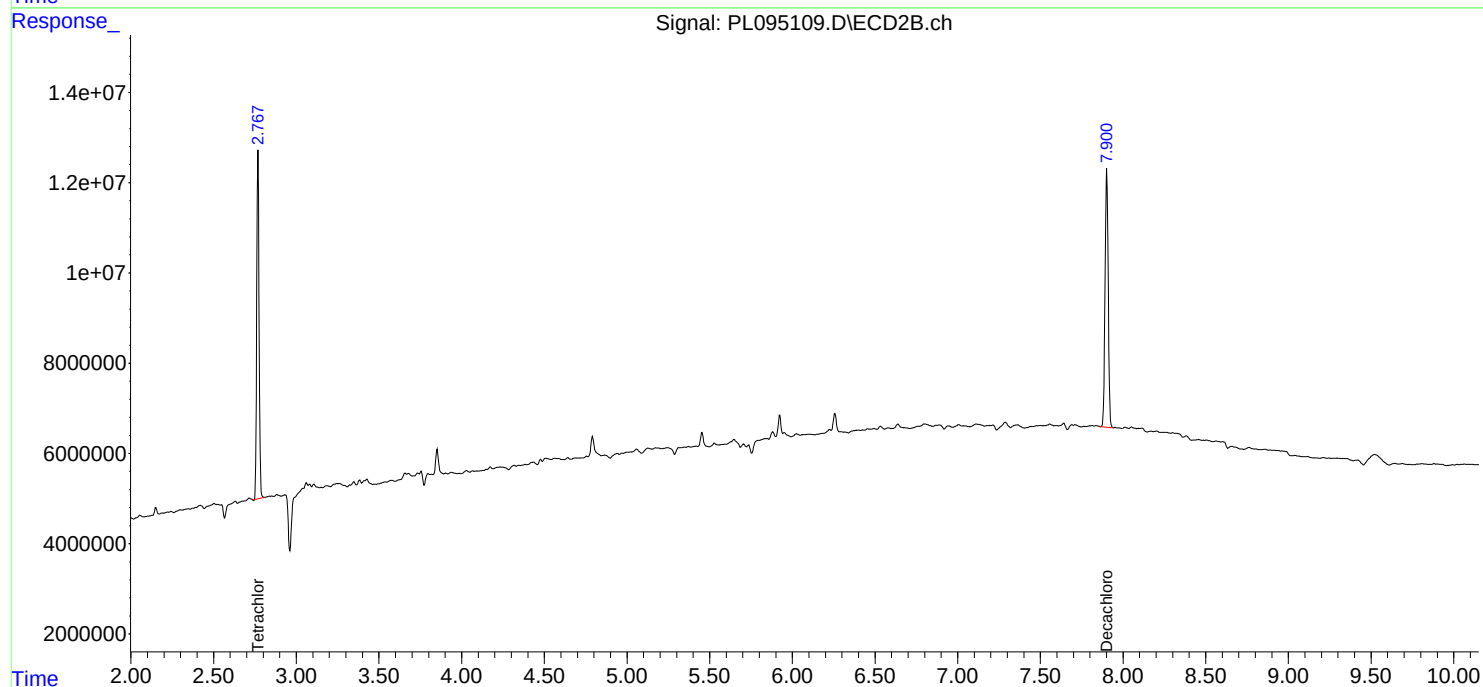
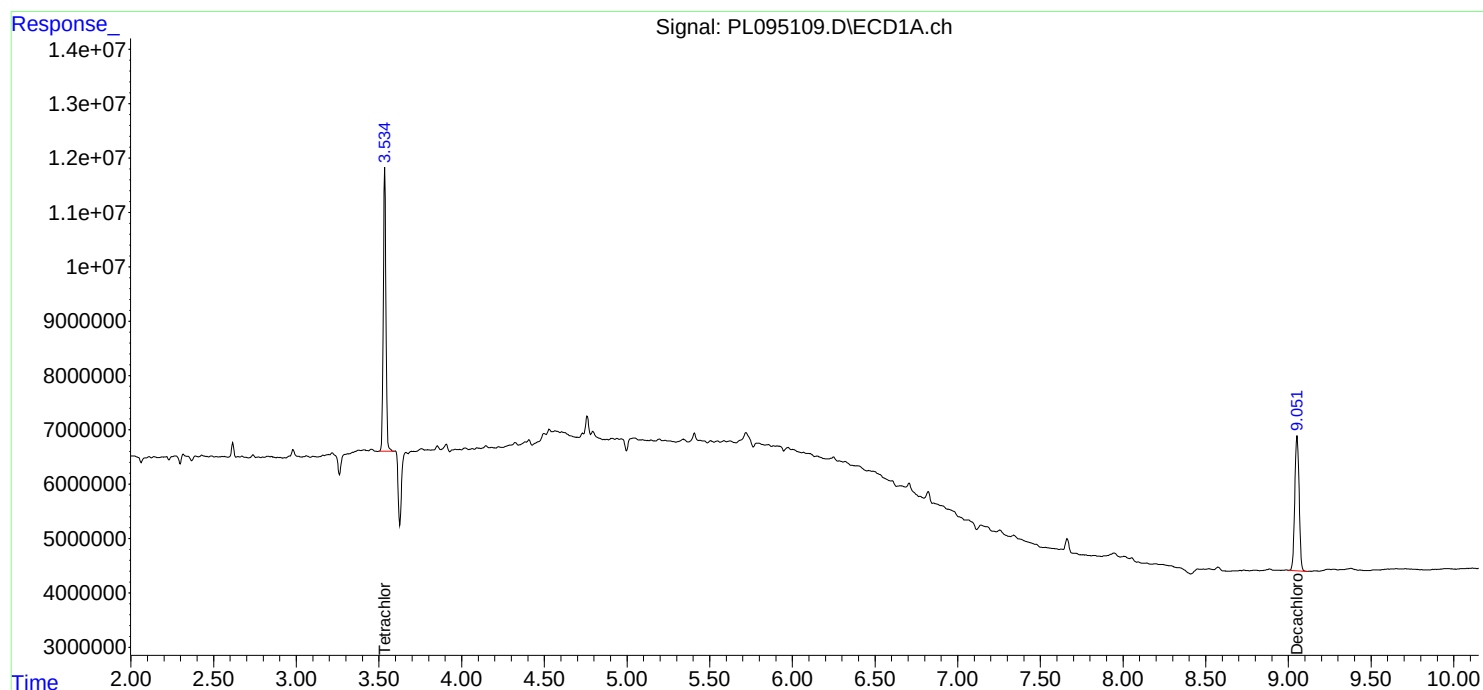
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

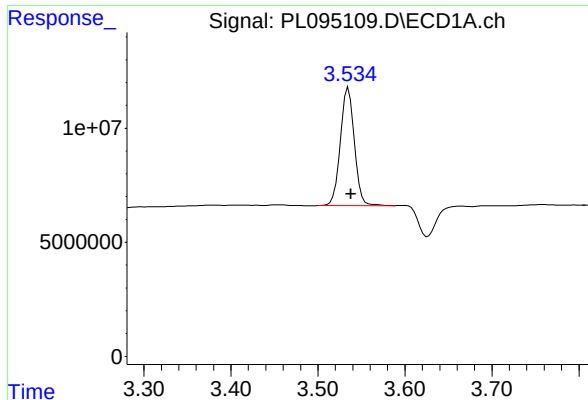
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:25
Operator : AR\AJ
Sample : Q1730-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-21-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

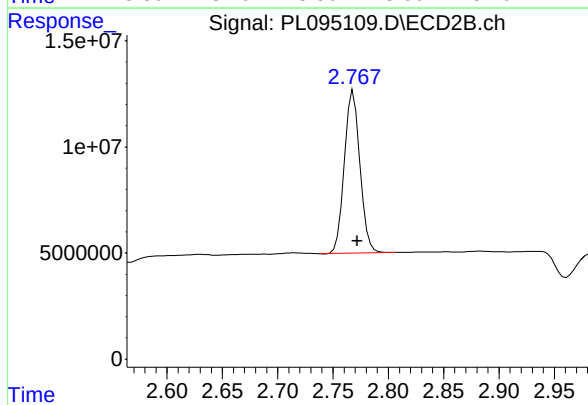




#1 Tetrachloro-m-xylene

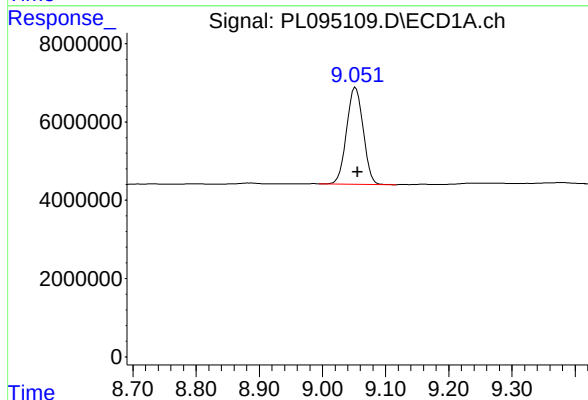
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 58058279
Conc: 20.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-21-040325



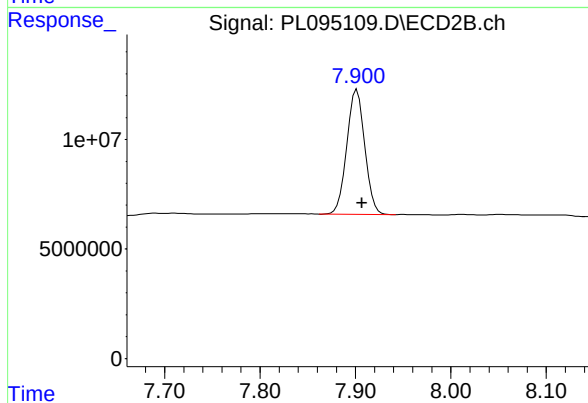
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 75168520
Conc: 21.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 45235956
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 75118826
Conc: 18.60 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-22-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8
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
PL095076.D	1	04/07/25 08:20	04/07/25 20:36	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00017	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00017	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0060	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.7		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		42 - 129		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-22-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	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
PL095076.D	1	04/07/25 08:20	04/07/25 20:36	PB167473

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\PL040725\
 Data File : PL095076.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 20:36
 Operator : AR\AJ
 Sample : Q1730-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-22-040325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:22:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.768	64248002	81901035	22.697m	22.946
28) SA Decachlor...	9.051	7.900	49994791	85244309	23.723	21.103

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 20:36
Operator : AR\AJ
Sample : Q1730-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

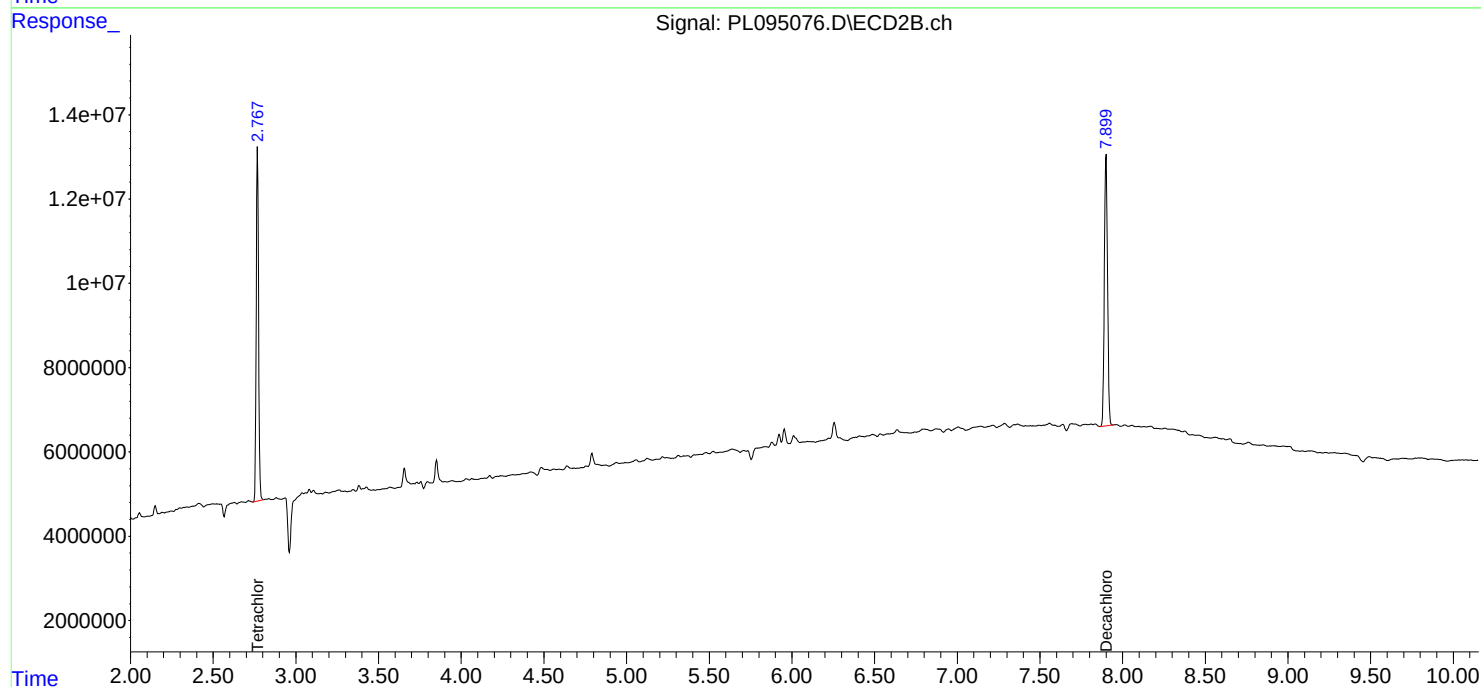
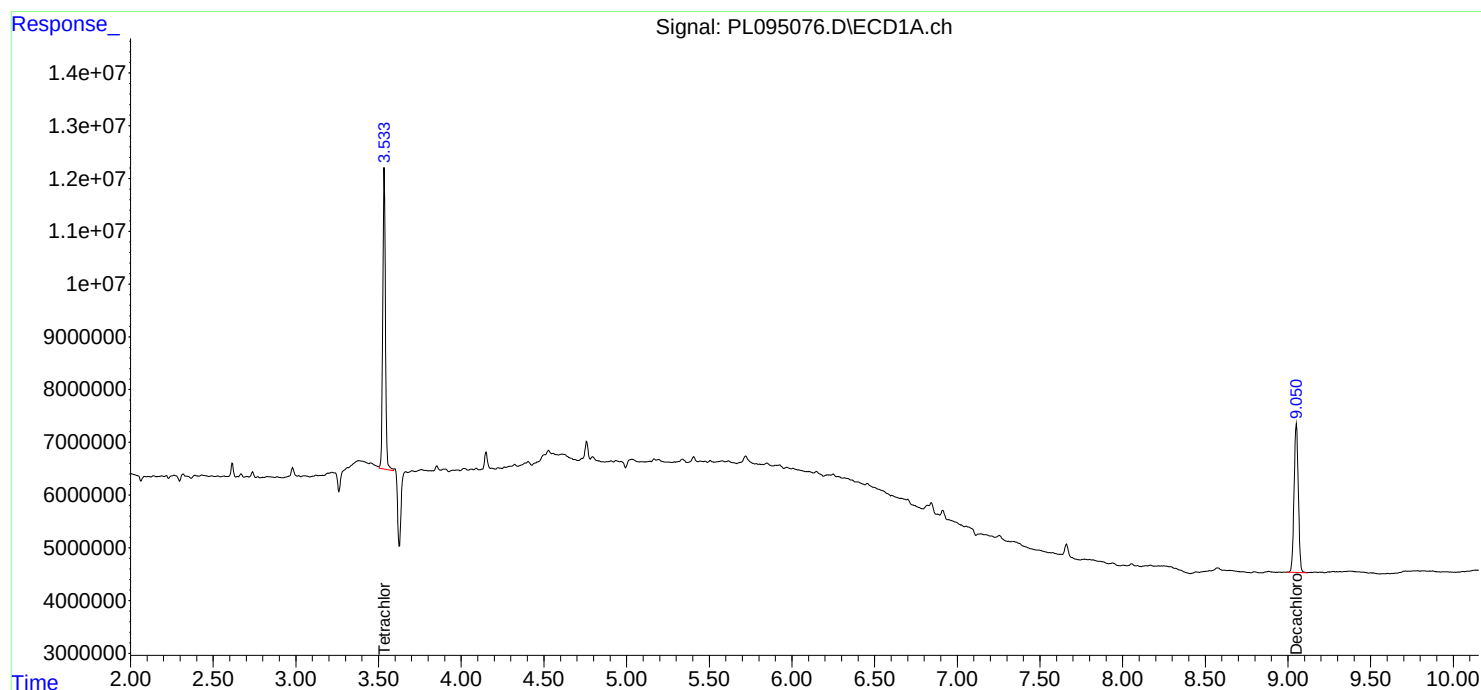
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325

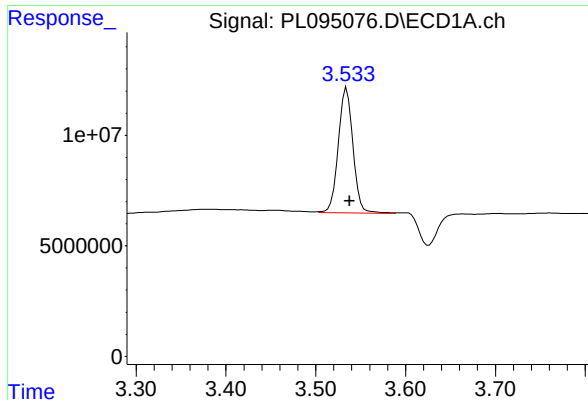
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/08/2025
Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





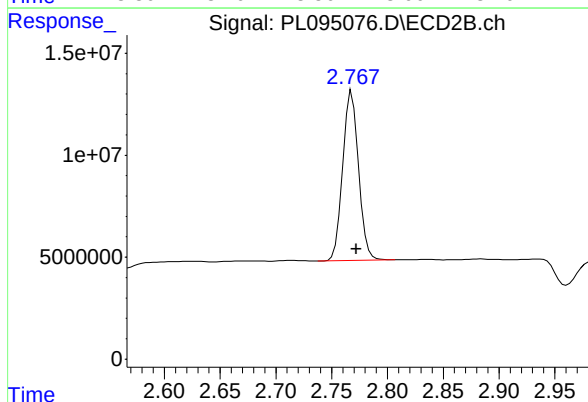
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 64248002
Conc: 22.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325

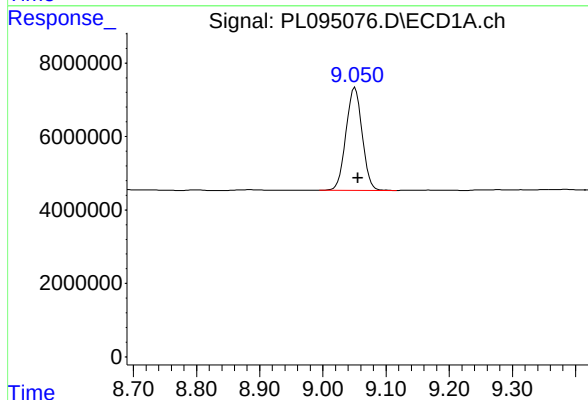
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



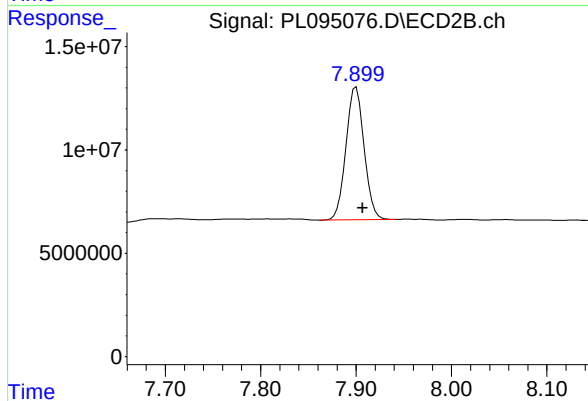
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 81901035
Conc: 22.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 49994791
Conc: 23.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 85244309
Conc: 21.10 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-23-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.9 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
PL095077.D	1	04/07/25 08:20	04/07/25 20:50	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00016	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00016	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0059	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.8		55 - 130		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		42 - 129		112%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-23-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-11		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.9	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
PL095077.D	1	04/07/25 08:20	04/07/25 20:50	PB167473

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\PL040725\
 Data File : PL095077.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 20:50
 Operator : AR\AJ
 Sample : Q1730-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-23-040325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:22:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.788	63515580	80124386	22.438m	22.448
28) SA Decachlor...	9.051	7.920	48033781	81535193	22.792	20.185

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 20:50
Operator : AR\AJ
Sample : Q1730-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

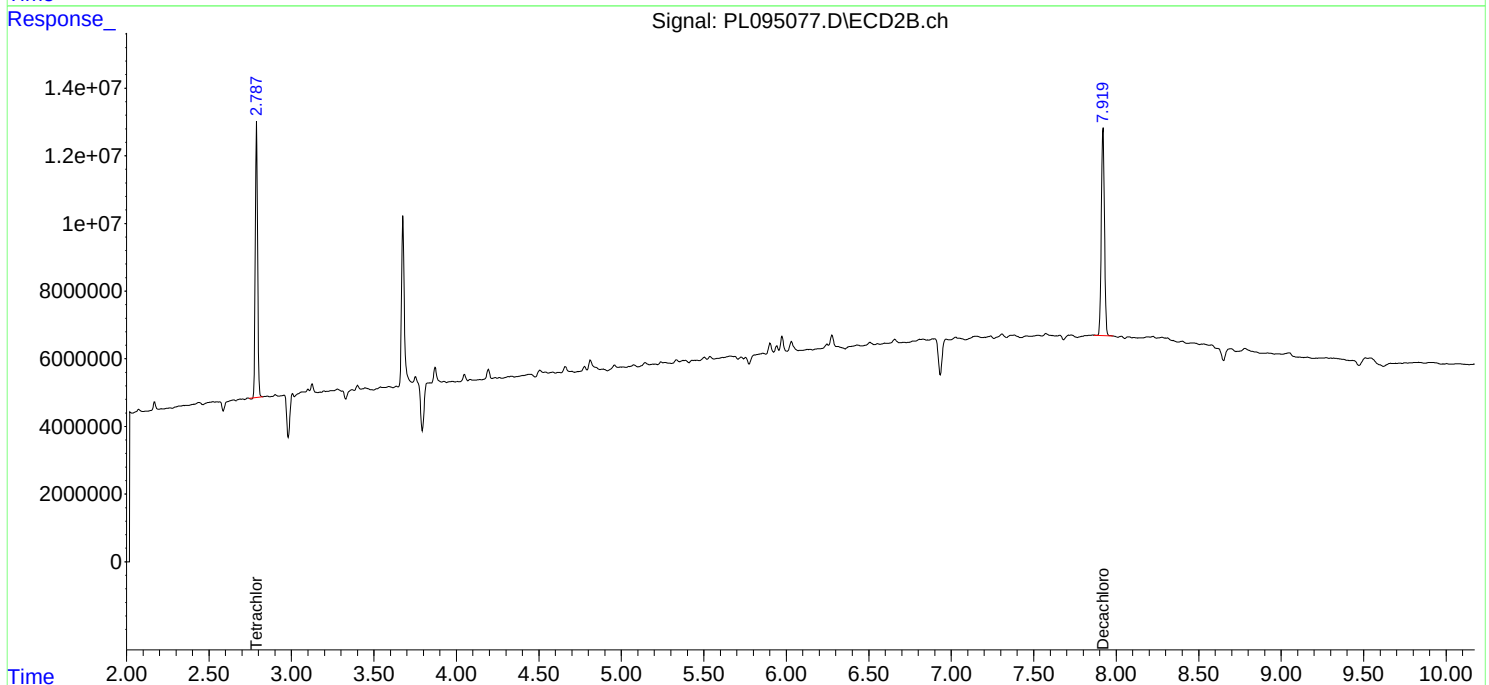
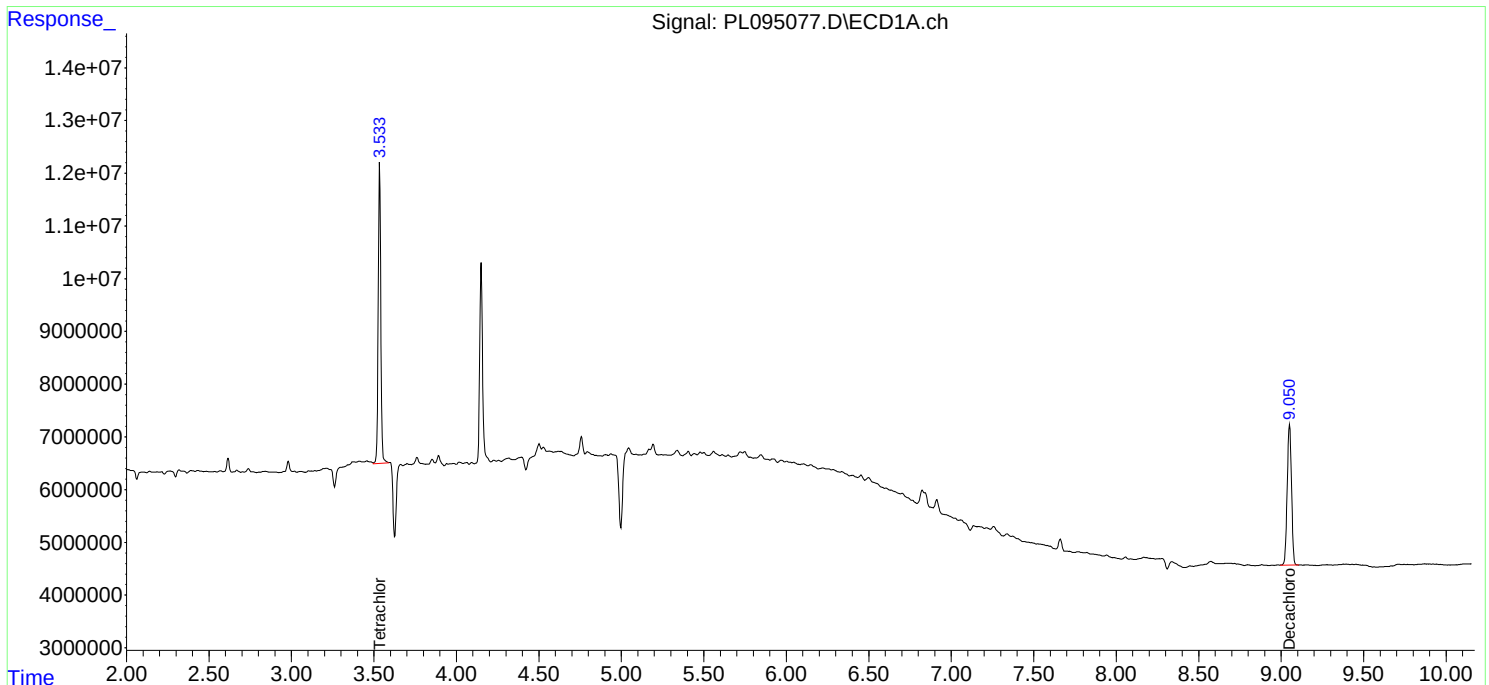
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325

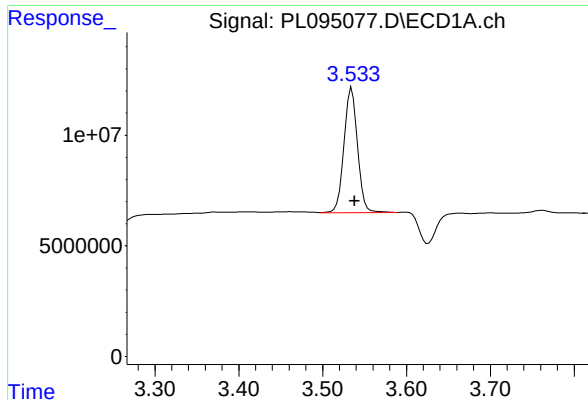
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/08/2025
Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





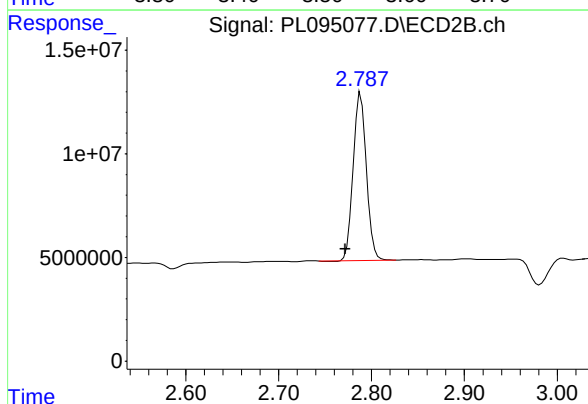
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 63515580
Conc: 22.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325

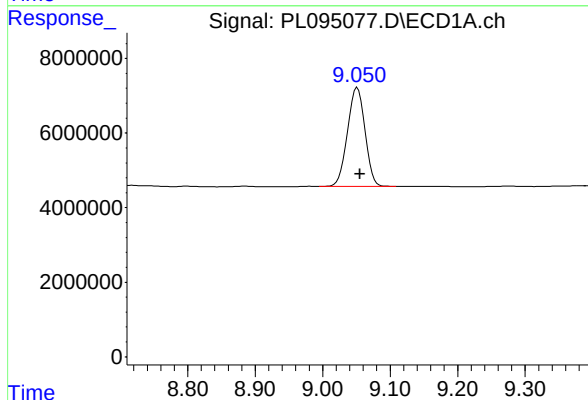
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



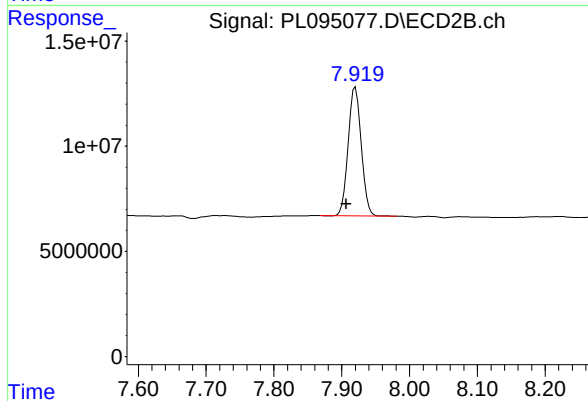
#1 Tetrachloro-m-xylene

R.T.: 2.788 min
Delta R.T.: 0.016 min
Response: 80124386
Conc: 22.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 48033781
Conc: 22.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.013 min
Response: 81535193
Conc: 20.19 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-24-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL095078.D	1	04/07/25 08:20	04/07/25 21:04	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00016	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00016	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0059	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.5		55 - 130		123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		42 - 129		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-24-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.3	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
PL095078.D	1	04/07/25 08:20	04/07/25 21:04	PB167473

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\PL040725\
 Data File : PL095078.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 21:04
 Operator : AR\AJ
 Sample : Q1730-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-24-040325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:23:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.769	63236941	81849119	22.340m	22.932
28) SA Decachlor...	9.051	7.900	51725555	87763262	24.544	21.727

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:04
Operator : AR\AJ
Sample : Q1730-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

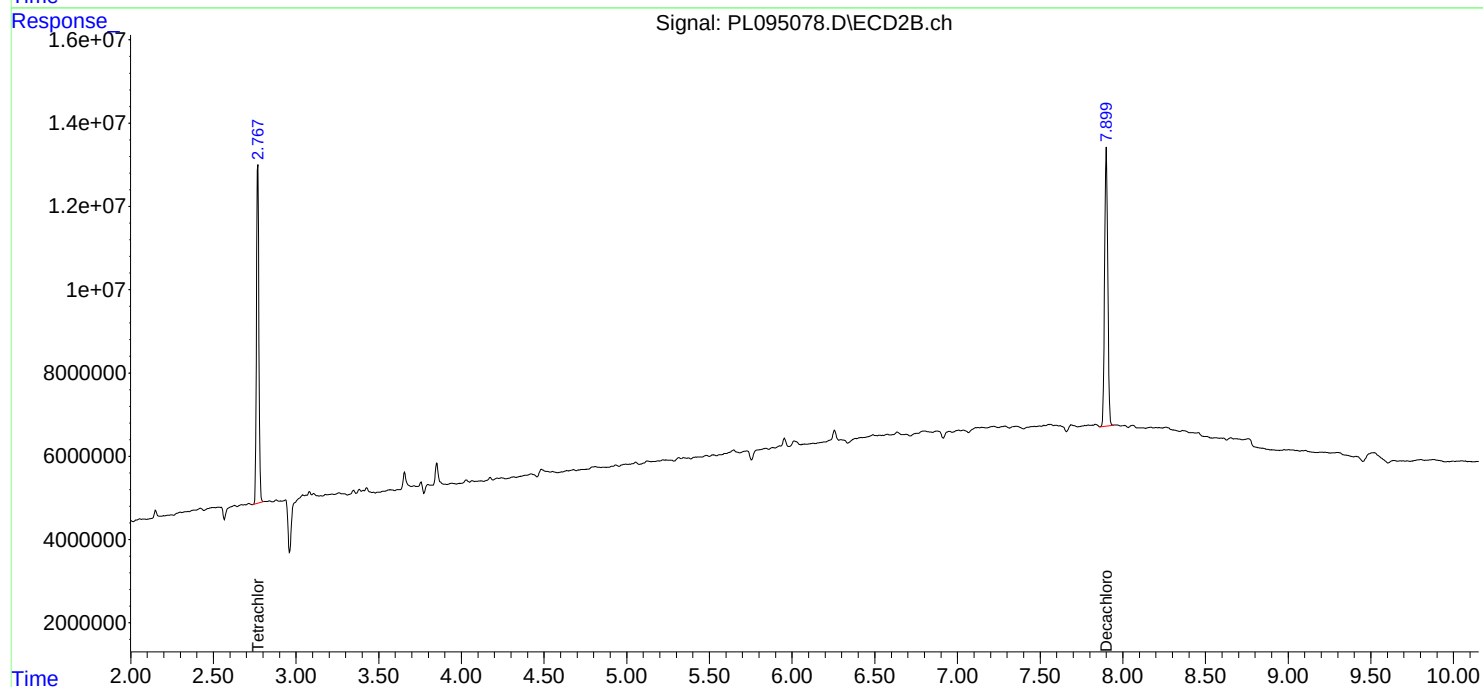
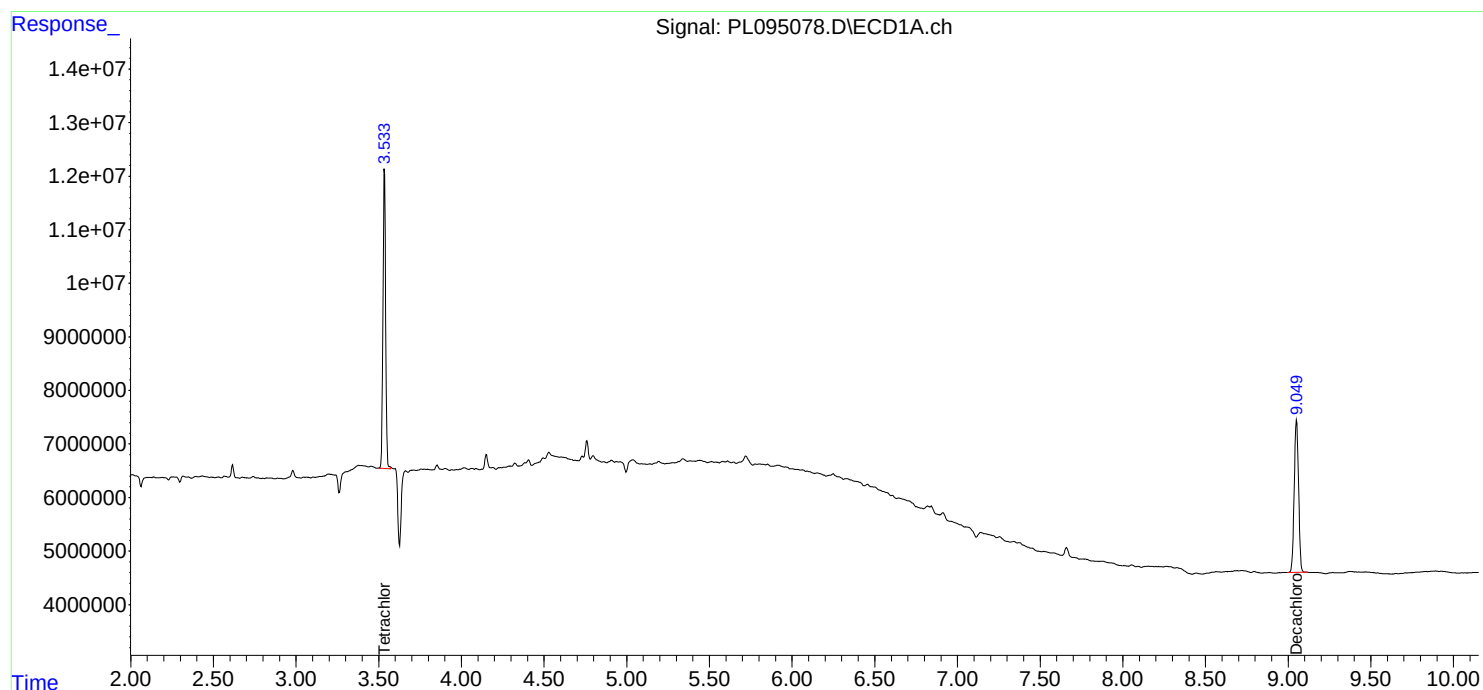
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325

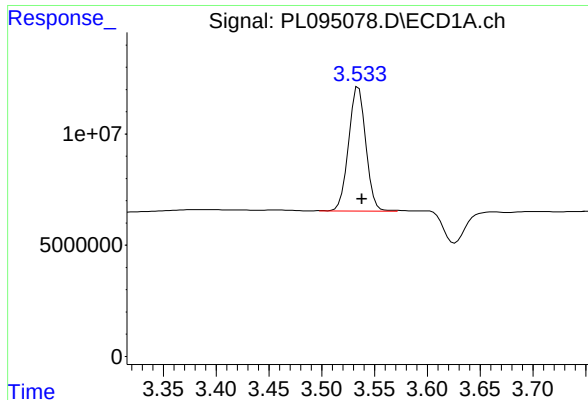
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/08/2025
Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





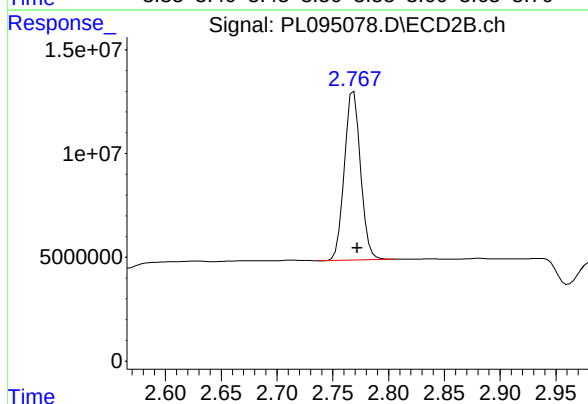
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 63236941
Conc: 22.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325

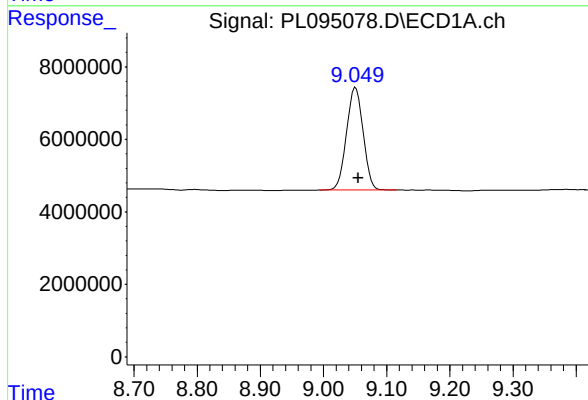
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



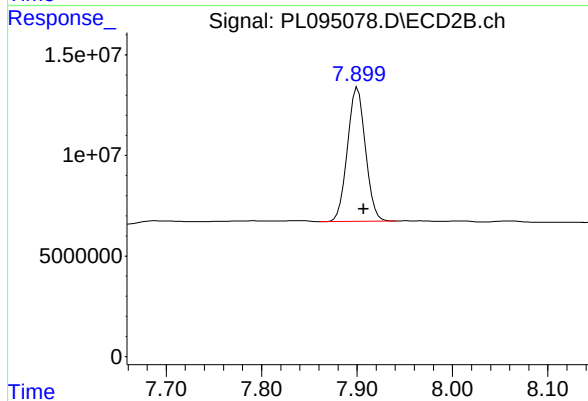
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 81849119
Conc: 22.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 51725555
Conc: 24.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 87763262
Conc: 21.73 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 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
PL095079.D	1	04/07/25 08:20	04/07/25 21:17	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00031	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0058	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.6		55 - 130		113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		42 - 129		110%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-25-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5
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
PL095079.D	1	04/07/25 08:20	04/07/25 21:17	PB167473

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\PL040725\
Data File : PL095079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:17
Operator : AR\AJ
Sample : Q1730-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.769	60730998	78596342	21.455m	22.020
28) SA Decachlor...	9.050	7.901	47603939	80212566	22.588	19.858

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:17
Operator : AR\AJ
Sample : Q1730-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

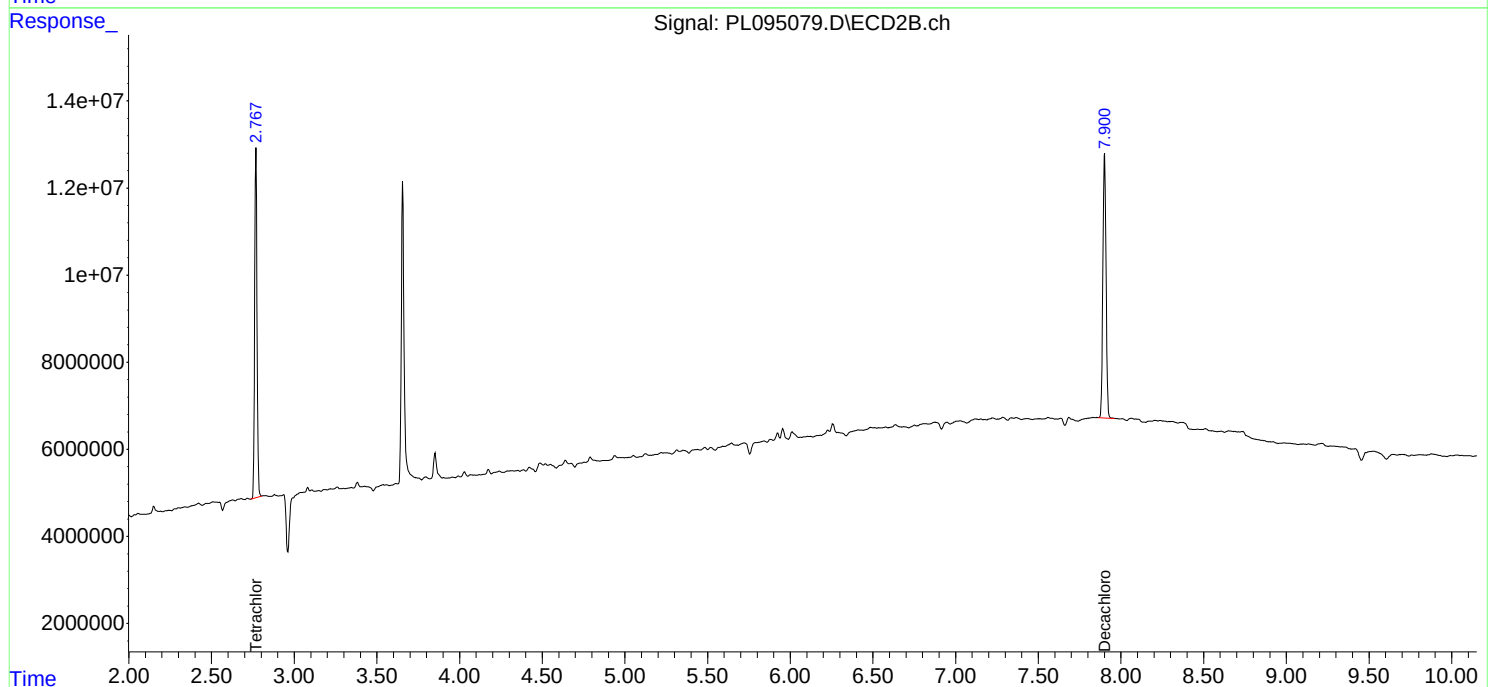
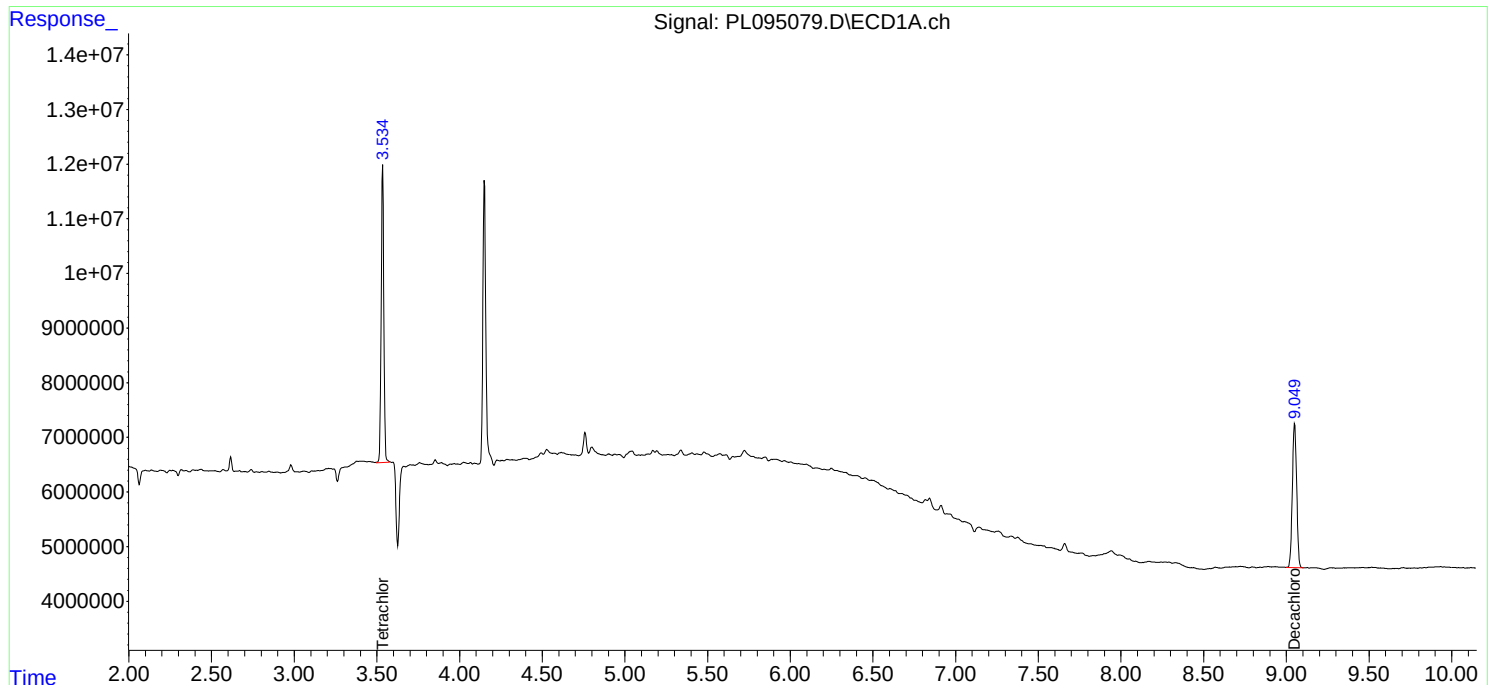
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325

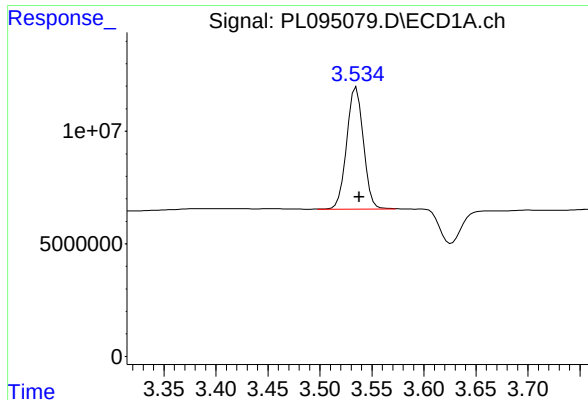
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/08/2025
Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





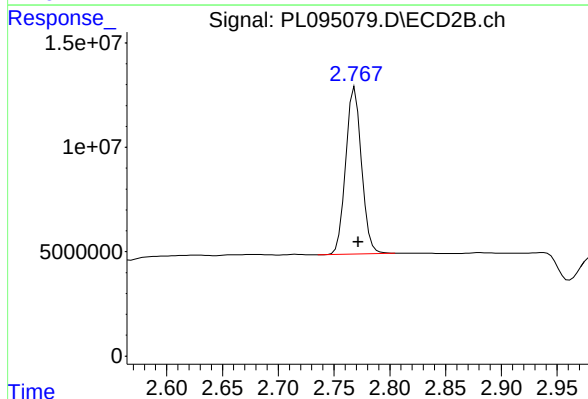
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 60730998
Conc: 21.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325

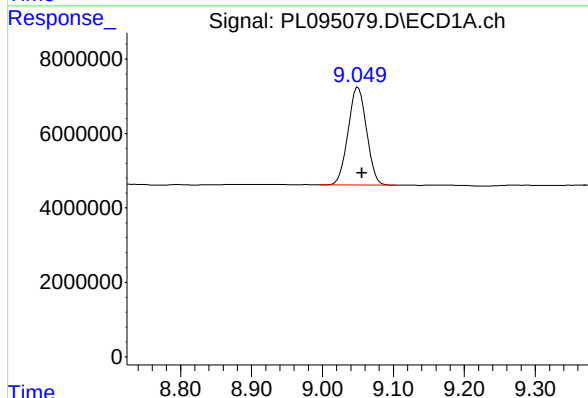
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



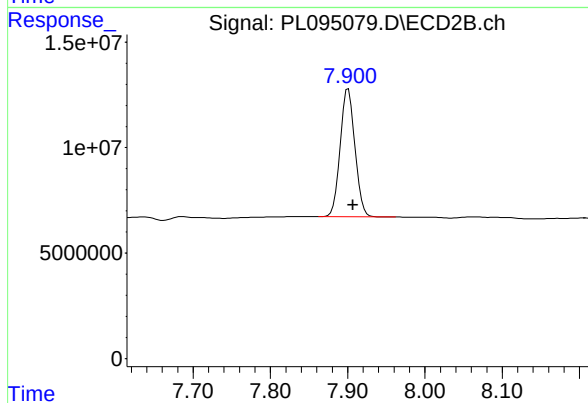
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 78596342
Conc: 22.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 47603939
Conc: 22.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 80212566
Conc: 19.86 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-PCS-TC-26-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1
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
PL095080.D	1	04/07/25 08:20	04/07/25 21:31	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00031	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00040	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00036	U	0.00016	0.00036	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0059	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		42 - 129		109%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-PCS-TC-26-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-17		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.1	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
PL095080.D	1	04/07/25 08:20	04/07/25 21:31	PB167473

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\PL040725\
 Data File : PL095080.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 21:31
 Operator : AR\AJ
 Sample : Q1730-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-26-040325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:23:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.769	59938234	77606126	21.175m	21.743
28) SA Decachlor...	9.051	7.901	49123004	83972218	23.309	20.788

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:31
Operator : AR\AJ
Sample : Q1730-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

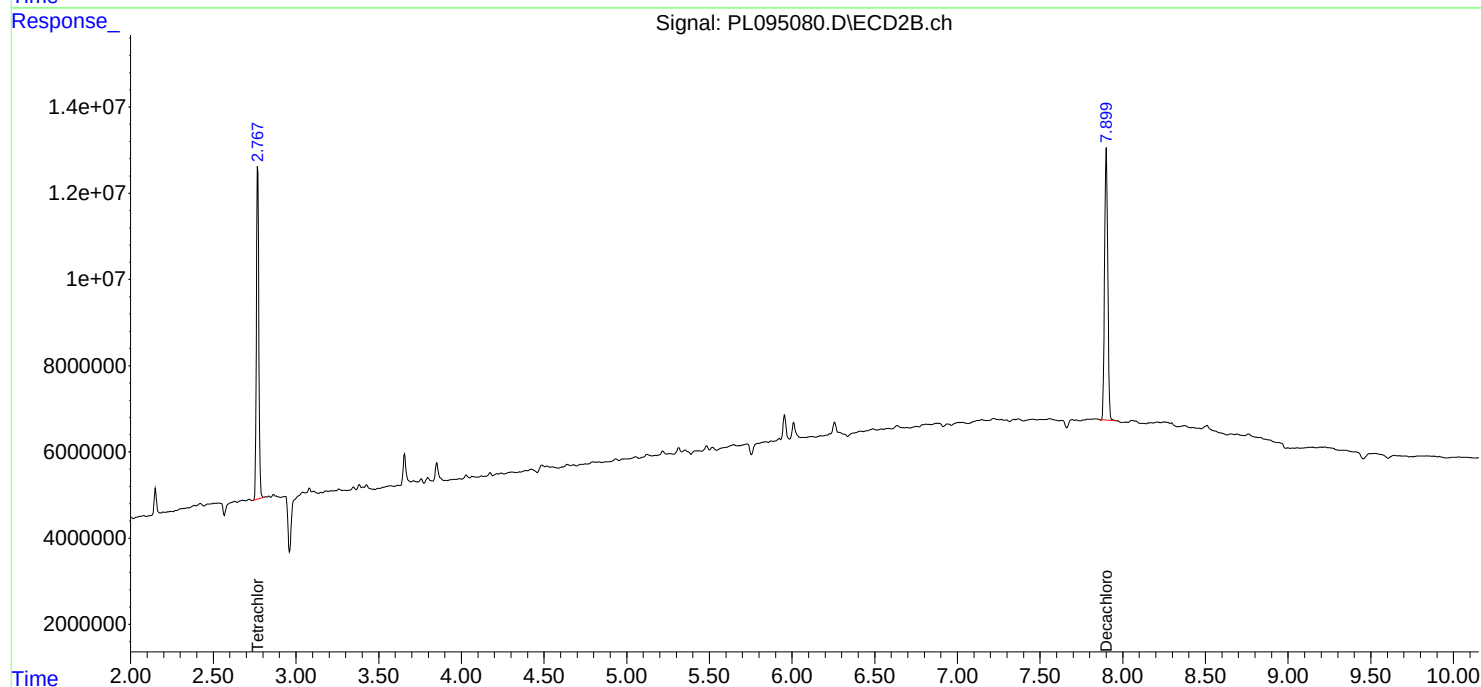
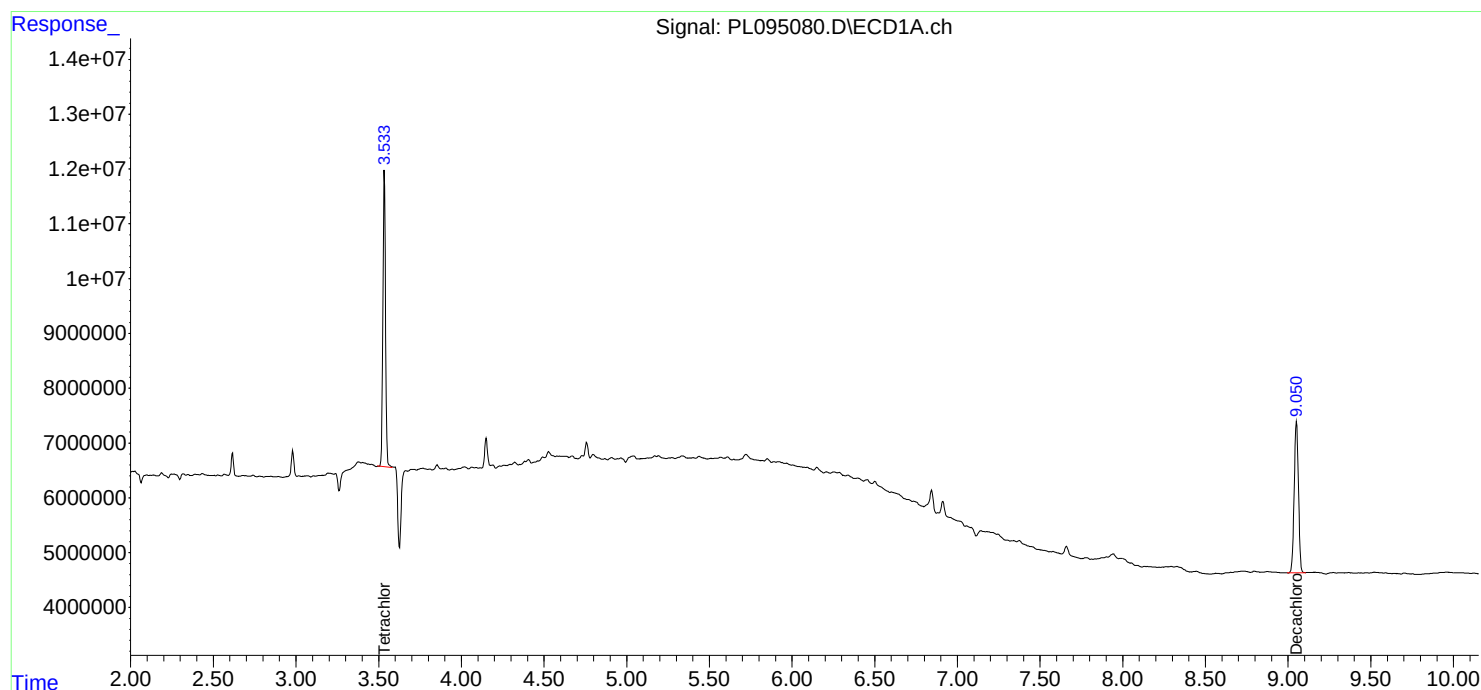
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325

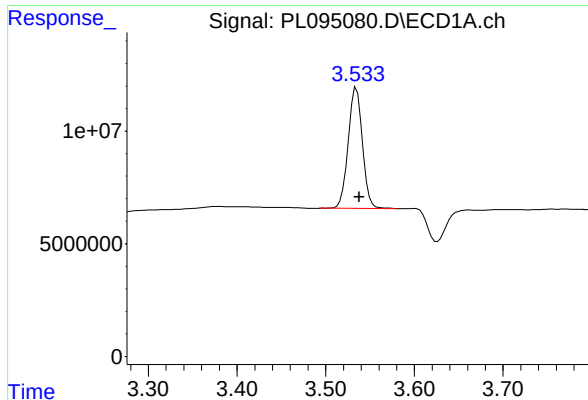
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/08/2025
Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





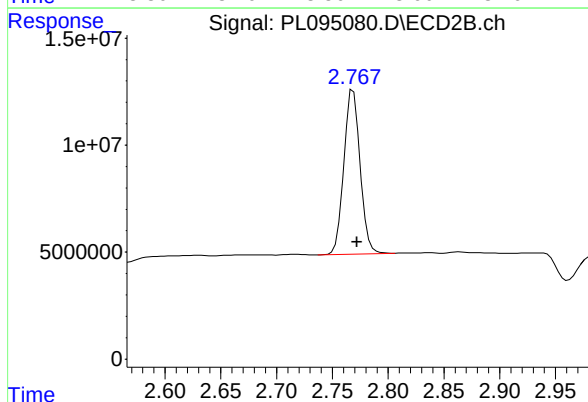
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 59938234
Conc: 21.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325

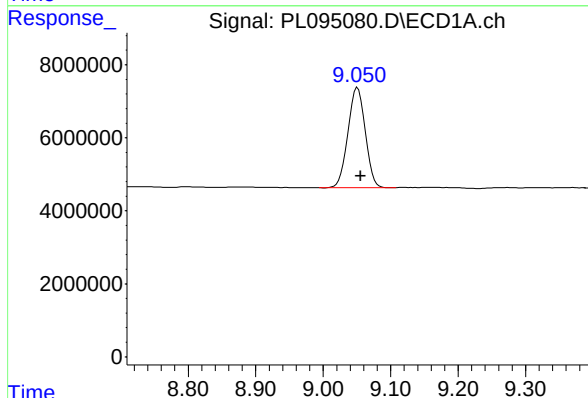
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



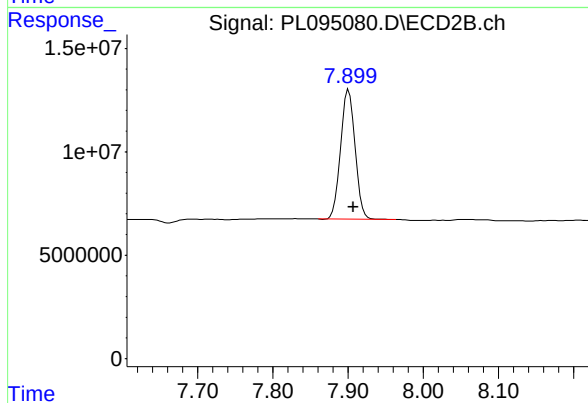
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 77606126
Conc: 21.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 49123004
Conc: 23.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 83972218
Conc: 20.79 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-CF-15-040325	SDG No.:	Q1730
Lab Sample ID:	Q1730-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.9 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
PL095081.D	1	04/07/25 08:20	04/07/25 21:45	PB167473

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	0.00042	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	0.0058	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		55 - 130		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		42 - 129		112%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-CF-15-040325		SDG No.:	Q1730	
Lab Sample ID:	Q1730-19		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.9	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
PL095081.D	1	04/07/25 08:20	04/07/25 21:45	PB167473

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\PL040725\
Data File : PL095081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:45
Operator : AR\AJ
Sample : Q1730-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	61752056	79677351	21.815	22.323
28) SA Decachlor...	9.052	7.901	48999522	85332493	23.251	21.125

Target Compounds

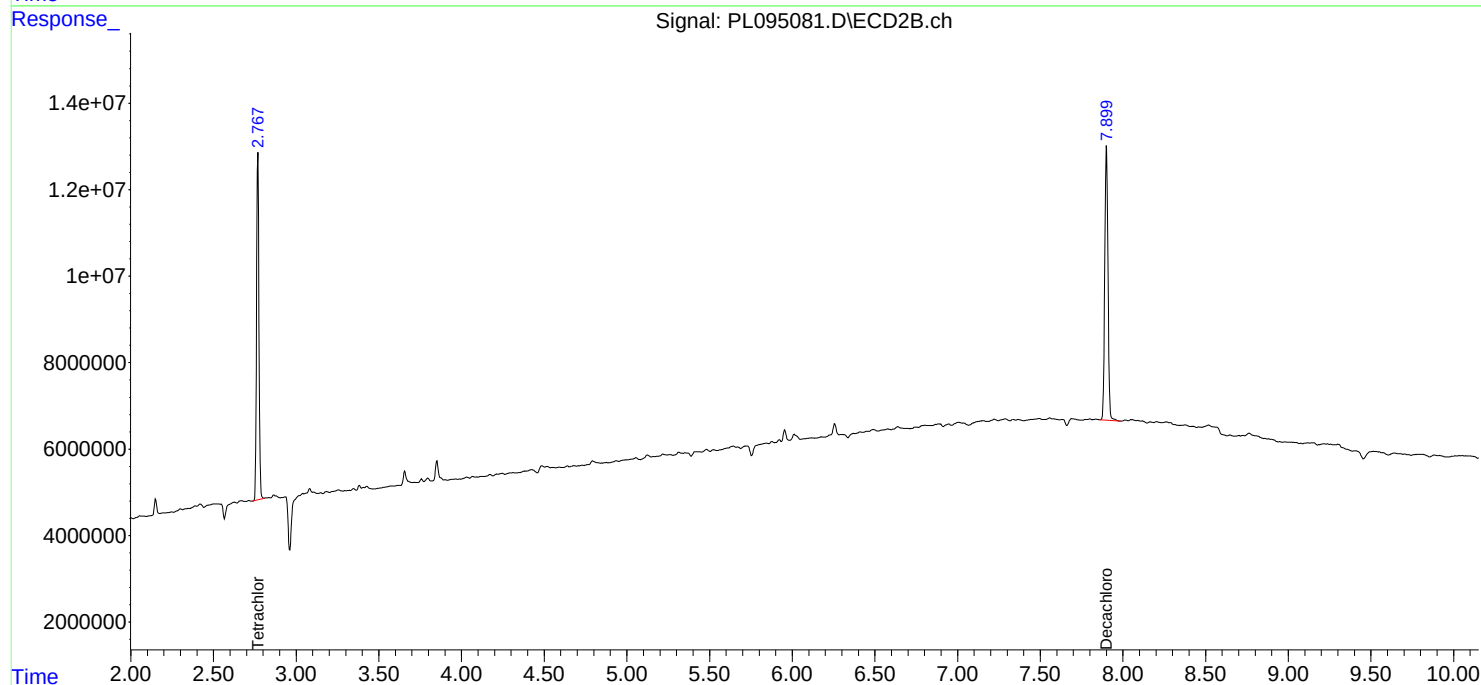
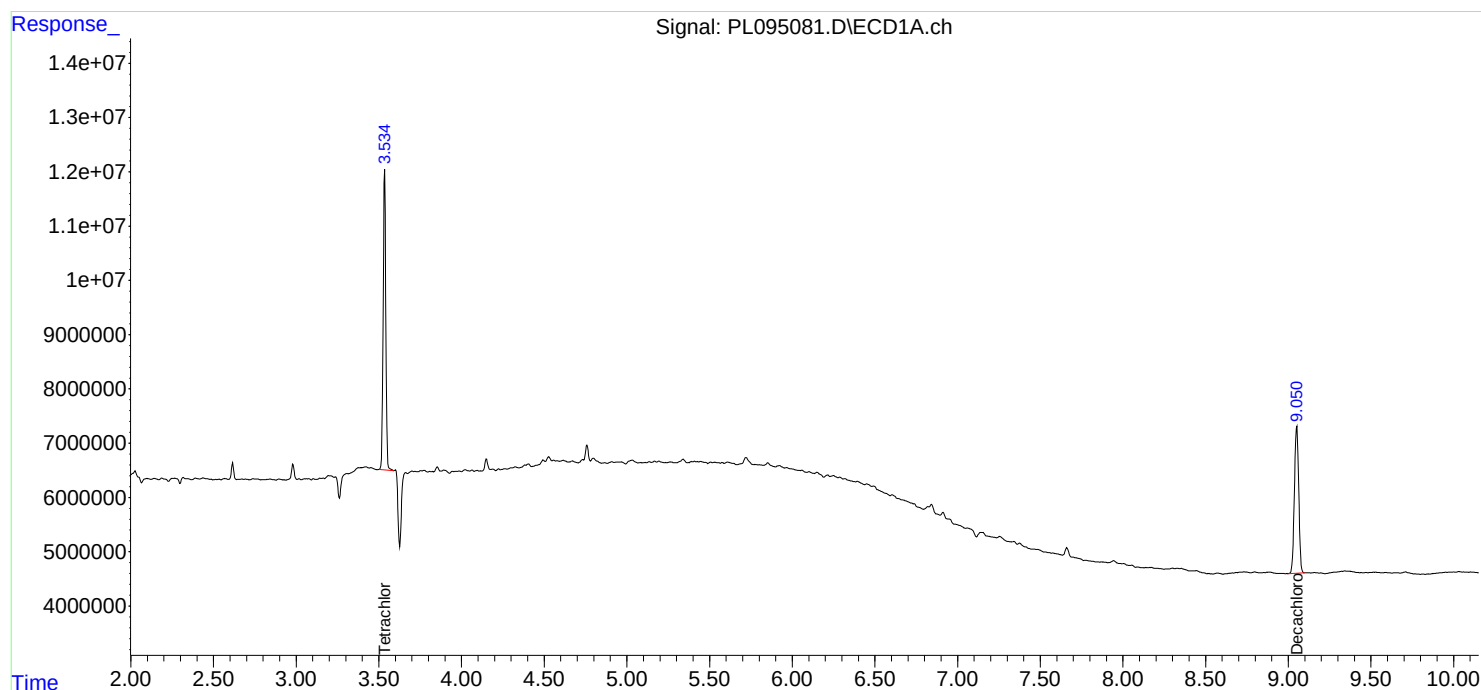
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

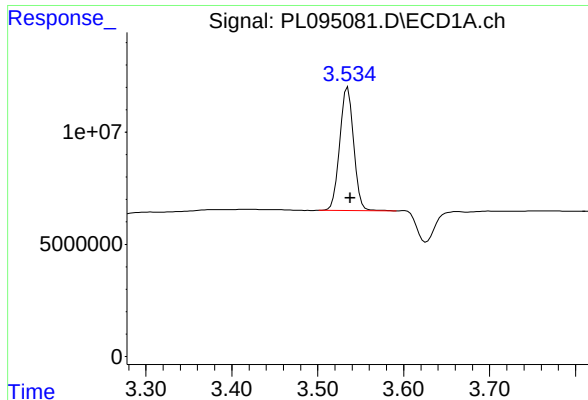
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:45
Operator : AR\AJ
Sample : Q1730-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

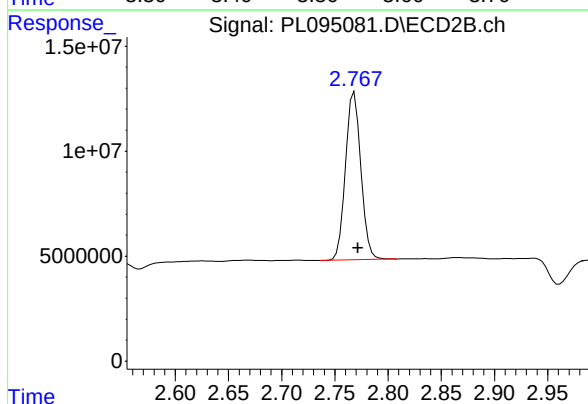




#1 Tetrachloro-m-xylene

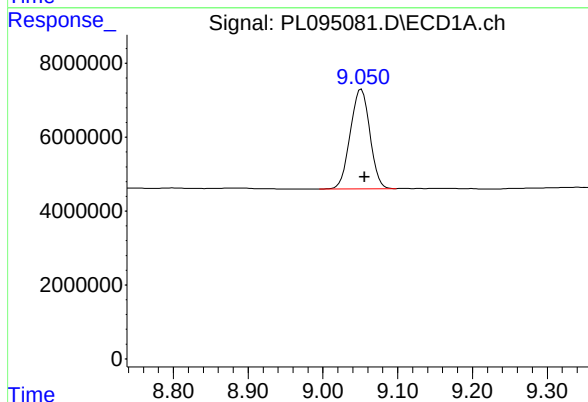
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 61752056
Conc: 21.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-040325



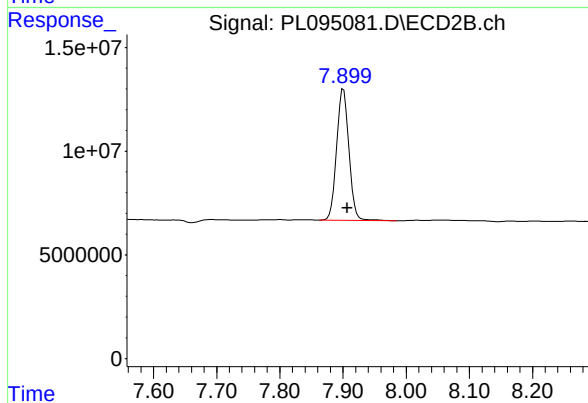
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 79677351
Conc: 22.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 48999522
Conc: 23.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 85332493
Conc: 21.13 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.06	9.06	9.06	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.91	4.92	4.92	4.91	4.92	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730
Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.22	5.23	5.13	5.33
4,4'-DDT	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.22	4.22	4.22	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.27	3.27	3.27	3.27	3.27	3.27	3.17	3.37
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.90	3.91	3.91	3.90	3.90	3.90	3.80	4.00
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.13	4.13	4.13	4.13	4.13	4.13	4.03	4.23
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Endosulfan II	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Endrin	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70
gamma-Chlordane	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Heptachlor	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.72	4.72	4.73	4.72	4.72	4.72	4.62	4.82
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.77	2.77	2.77	2.77	2.77	2.77	2.67	2.87

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730
Instrument ID: ECD_L
Calibration Date(s): 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29

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

LAB FILE ID:		CF 100 = <u>PL094569.D</u>		CF 075 = <u>PL094570.D</u>			
CF 050 = <u>PL094571.D</u>		CF 025 = <u>PL094572.D</u>		CF 005 = <u>PL094573.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2054790000	2038060000	2097220000	2238950000	2401320000	2166070000	7
4,4'-DDE	2800820000	2791230000	2844170000	3026520000	3247560000	2942060000	7
4,4'-DDT	2250760000	2258790000	2282720000	2441890000	2658540000	2378540000	7
Aldrin	3486510000	3483840000	3531750000	3767520000	4191470000	3692220000	8
alpha-BHC	4050830000	3995660000	4006320000	4207130000	4501760000	4152340000	5
alpha-Chlordane	3078250000	3067240000	3145550000	3369450000	3823700000	3296840000	10
beta-BHC	1672600000	1688180000	1742910000	1923200000	2199200000	1845220000	12
Decachlorobiphenyl	1938960000	1961100000	2020410000	2196220000	2420590000	2107460000	10
delta-BHC	3731530000	3682850000	3720060000	3932930000	4404170000	3894310000	8
Dieldrin	2998920000	2977530000	3040380000	3270050000	3703810000	3198140000	10
Endosulfan I	2856050000	2854360000	2924220000	3138080000	3578300000	3070200000	10
Endosulfan II	2509950000	2495090000	2579470000	2798020000	3191190000	2714740000	11
Endosulfan sulfate	2202890000	2228260000	2295270000	2519740000	2913940000	2432020000	12
Endrin	2585940000	2584670000	2628790000	2810860000	3250100000	2772070000	10
Endrin aldehyde	1899410000	1911570000	1995020000	2162720000	2586220000	2110990000	14
Endrin ketone	2485310000	2489220000	2504750000	2734570000	3002490000	2643270000	9
gamma-BHC (Lindane)	3886090000	3824550000	3841420000	4060770000	4338530000	3990270000	5
gamma-Chlordane	3152320000	3146400000	3207830000	3429480000	3910810000	3369370000	10
Heptachlor	3645730000	3661000000	3717820000	3965990000	4417600000	3881630000	8
Heptachlor epoxide	3127680000	3124100000	3197280000	3386170000	3890740000	3345200000	10
Methoxychlor	1109170000	1148450000	1148150000	1275940000	1303650000	1197070000	7
Tetrachloro-m-xylene	2677630000	2681900000	2722740000	2922670000	3148400000	2830670000	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730
Instrument ID: ECD_L
Calibration Date(s): 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL094569.D</u>		CF 075 = <u>PL094570.D</u>			
CF 050 = <u>PL094571.D</u>		CF 025 = <u>PL094572.D</u>		CF 005 = <u>PL094573.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3744660000	3599430000	3582800000	3559420000	3493150000	3595890000	3
4,4'-DDE	4755610000	4590230000	4589540000	4707800000	4599470000	4648530000	2
4,4'-DDT	4206410000	4061180000	4014300000	4011580000	3867070000	4032110000	3
Aldrin	5043350000	4903990000	4837240000	4815490000	4781660000	4876340000	2
alpha-BHC	5696730000	5534840000	5407190000	5382700000	4935400000	5391370000	5
alpha-Chlordane	4847910000	4714870000	4711370000	4759810000	4829890000	4772770000	1
beta-BHC	2189910000	2156390000	2172170000	2250790000	2337210000	2221290000	3
Decachlorobiphenyl	3950320000	3868520000	3903950000	4095240000	4378770000	4039360000	5
delta-BHC	5245420000	5087800000	4994500000	4942360000	4739820000	5001980000	4
Dieldrin	4991170000	4852590000	4791130000	4868920000	4755280000	4851820000	2
Endosulfan I	4455940000	4360790000	4346300000	4393610000	4387020000	4388730000	1
Endosulfan II	4346730000	4237780000	4255650000	4342220000	4458930000	4328260000	2
Endosulfan sulfate	4114360000	3978360000	4032760000	4074650000	4167060000	4073440000	2
Endrin	4434550000	4325290000	4326060000	4330520000	4401830000	4363650000	1
Endrin aldehyde	3301310000	3233140000	3279090000	3389720000	3623580000	3365370000	5
Endrin ketone	4787490000	4692680000	4707500000	4868950000	4806280000	4772580000	2
gamma-BHC (Lindane)	5372230000	5230100000	5132530000	5070750000	4891640000	5139450000	3
gamma-Chlordane	4946830000	4806290000	4770610000	4811470000	4806890000	4828420000	1
Heptachlor	5363060000	5262730000	5228770000	5273220000	5215450000	5268650000	1
Heptachlor epoxide	4619190000	4519300000	4529520000	4593130000	4631780000	4578580000	1
Methoxychlor	2089160000	2085630000	2099350000	2155560000	2175640000	2121070000	2
Tetrachloro-m-xylene	3572520000	3517330000	3502400000	3623970000	3630140000	3569270000	2



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.771	267.8E6	357.3E6	99.165	100.991
28) SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds						
2) A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3) MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4) MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5) MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6) B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7) B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8) B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9) A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10) B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11) B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12) B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13) MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14) MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15) B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16) A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17) MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18) B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19) B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20) A Methoxychlor	7.498	6.606	110.9E6	208.9E6	98.022m	99.757
21) B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22) Mirex	8.115	7.015	184.4E6	365.6E6	96.823m	99.620

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

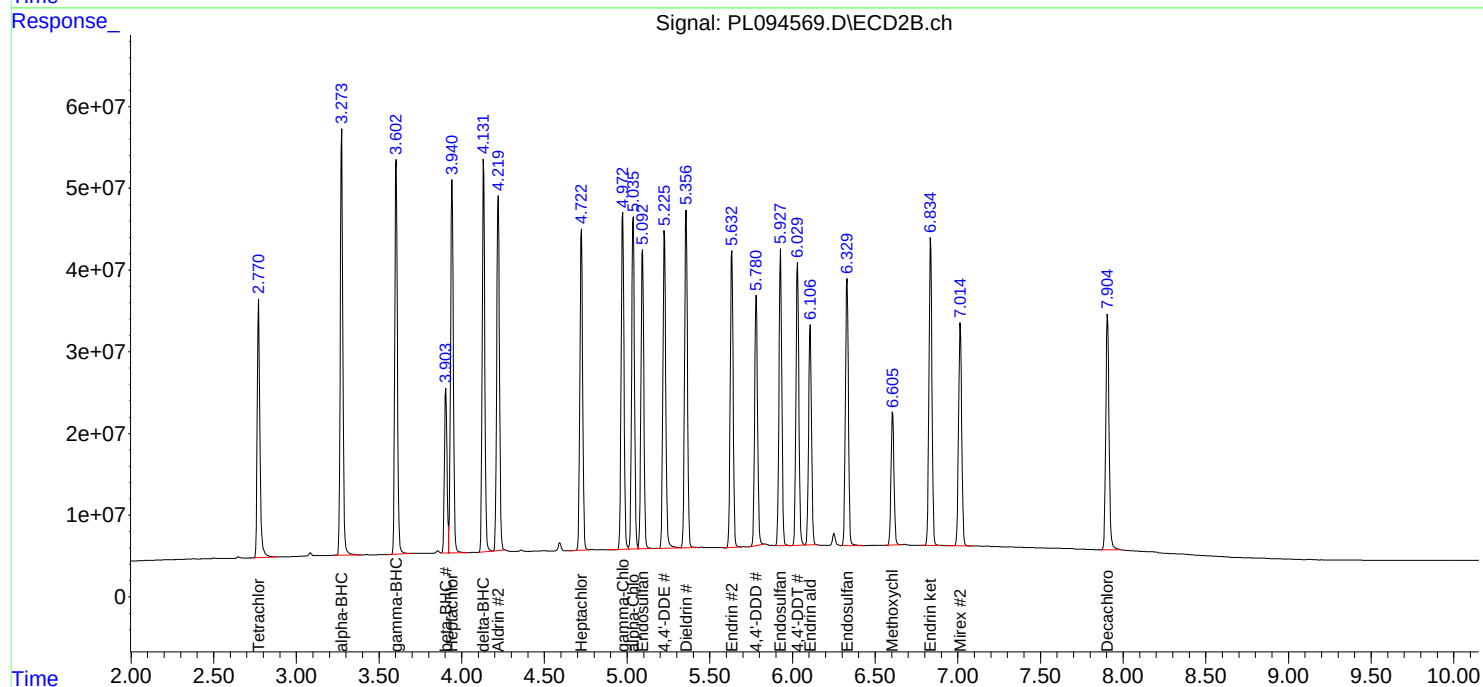
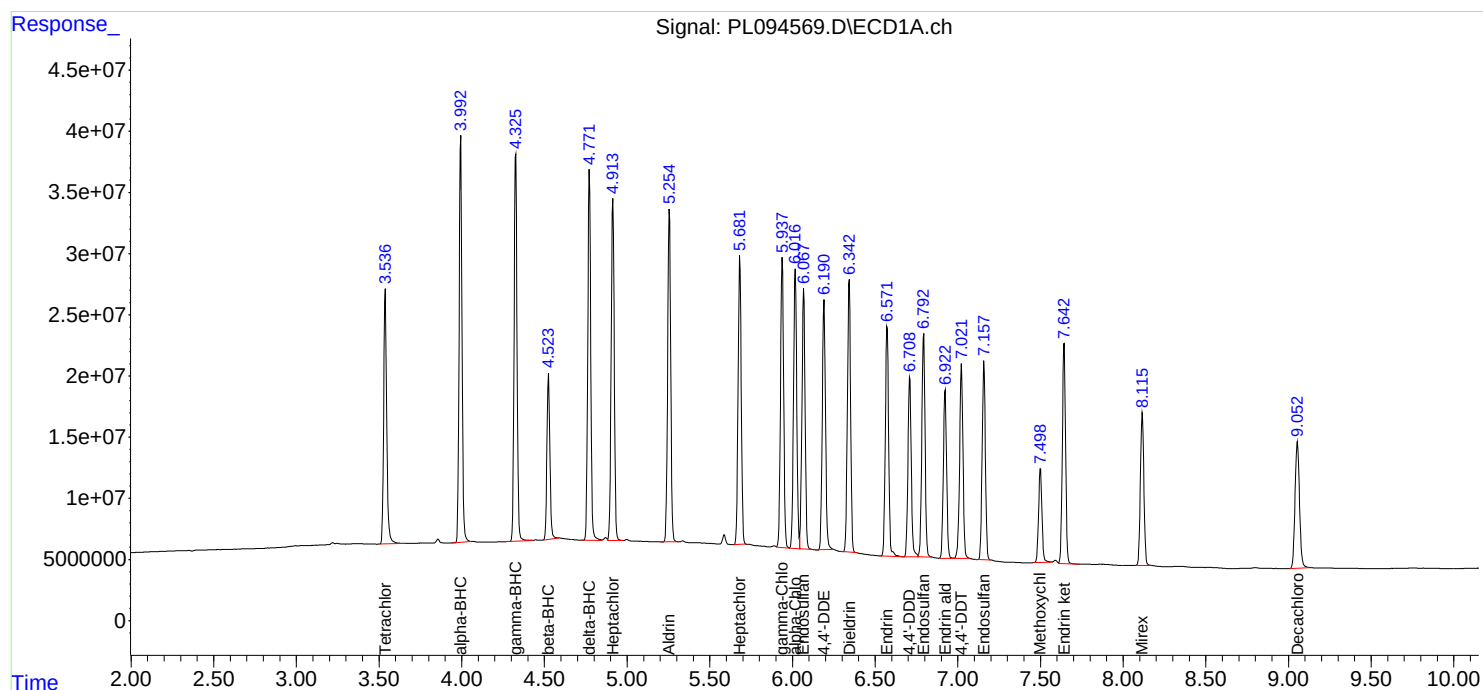
Manual Integrations

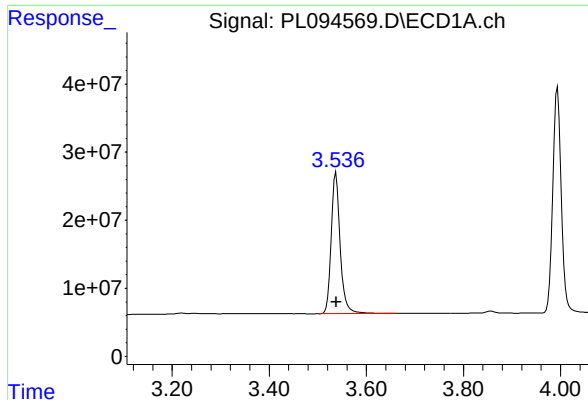
APPROVED

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

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

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





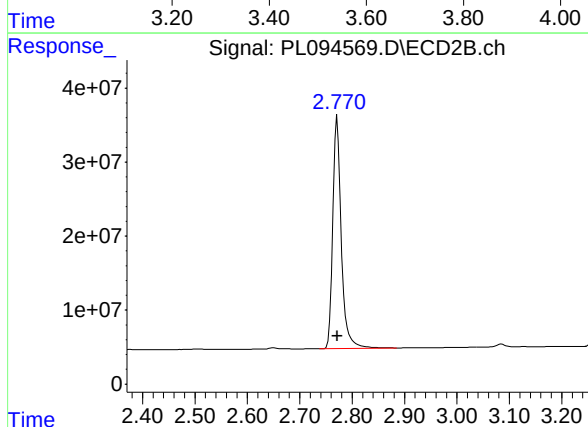
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

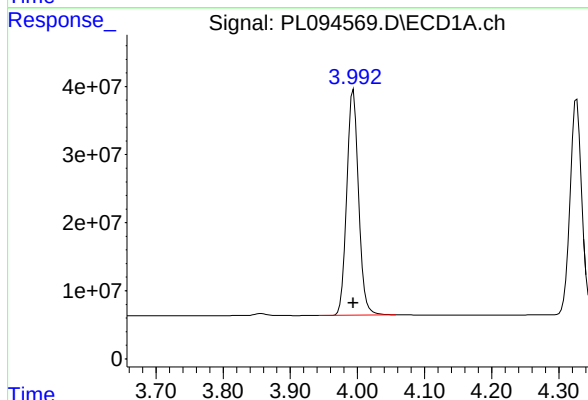
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/12/2025
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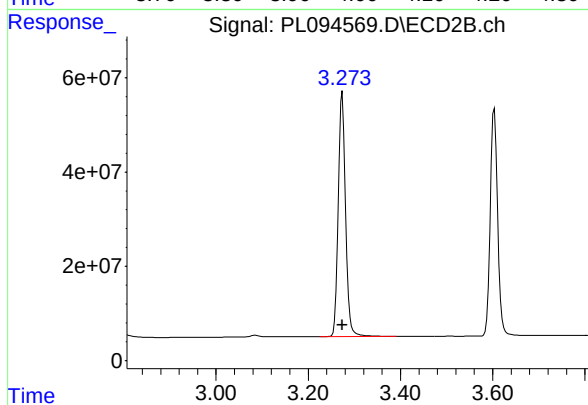
#1 Tetrachloro-m-xylene

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



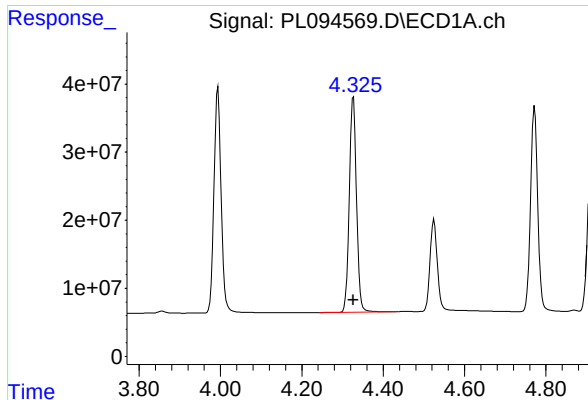
#2 alpha-BHC

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



#2 alpha-BHC

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



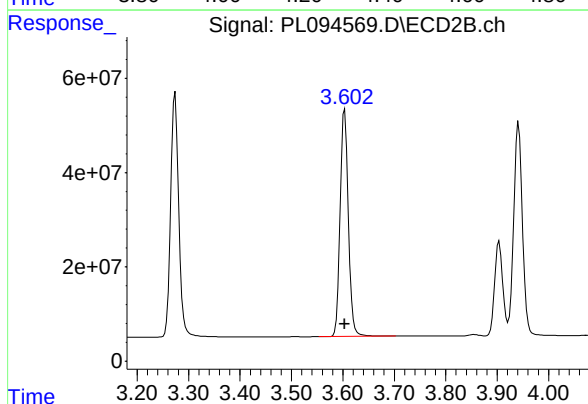
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

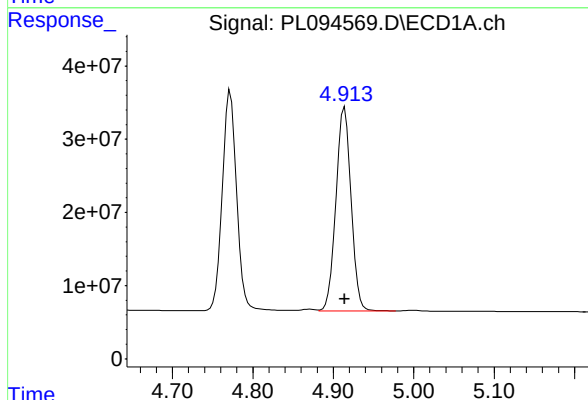
Manual Integrations
APPROVED

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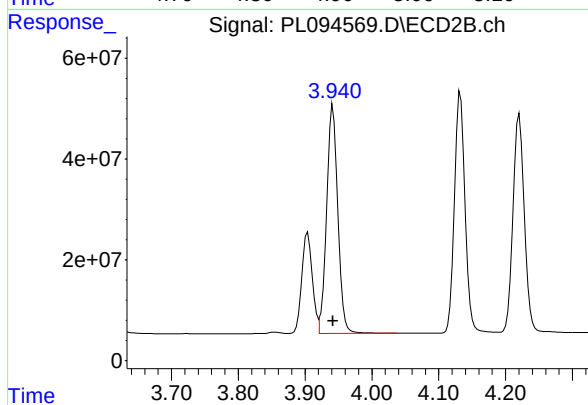
#3 gamma-BHC (Lindane)

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



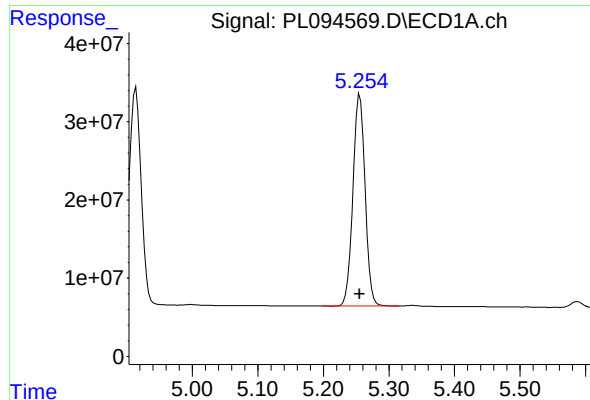
#4 Heptachlor

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



#4 Heptachlor

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



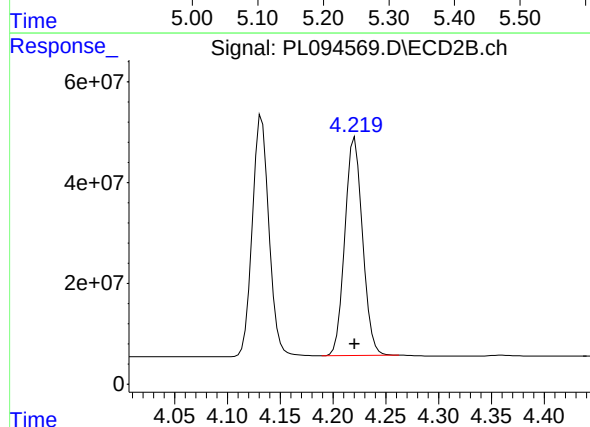
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

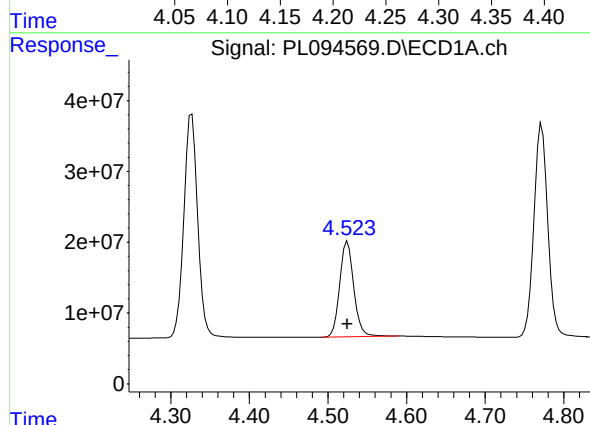
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



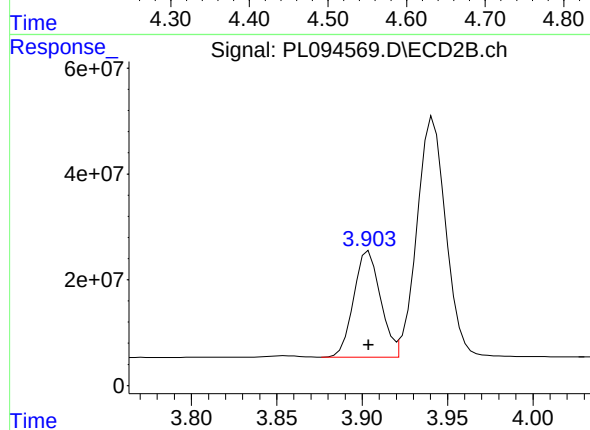
#5 Aldrin

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



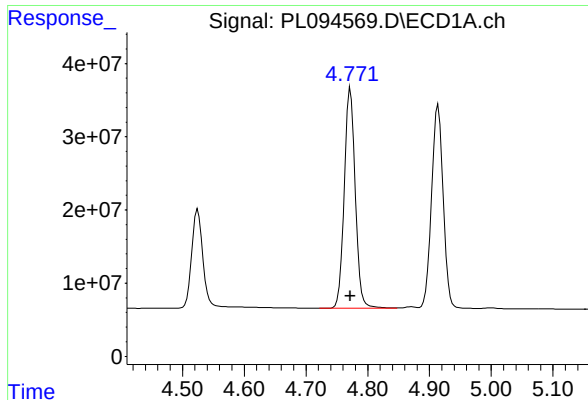
#6 beta-BHC

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



#6 beta-BHC

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



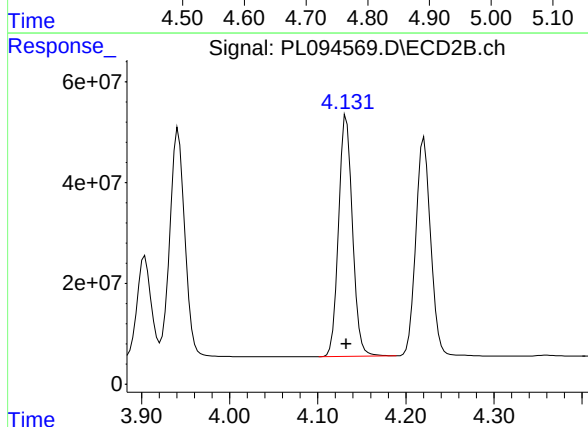
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

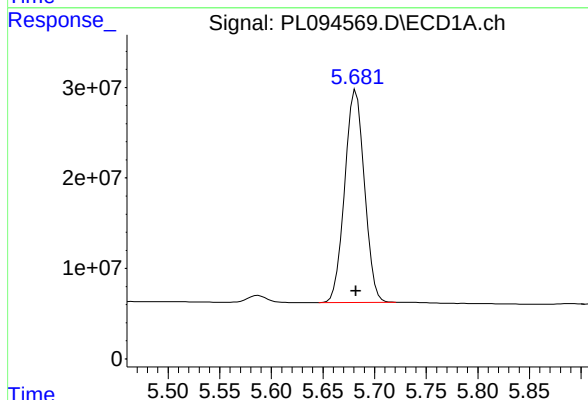
Manual Integrations
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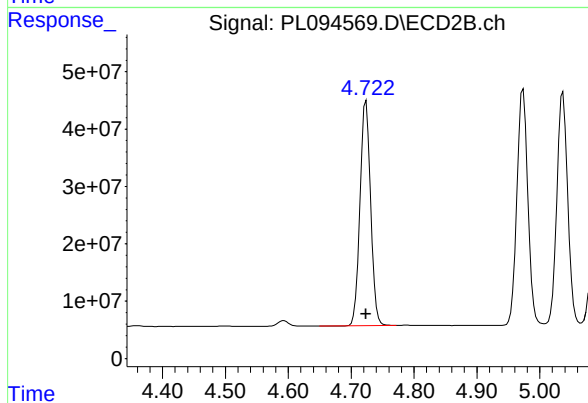
#7 delta-BHC

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



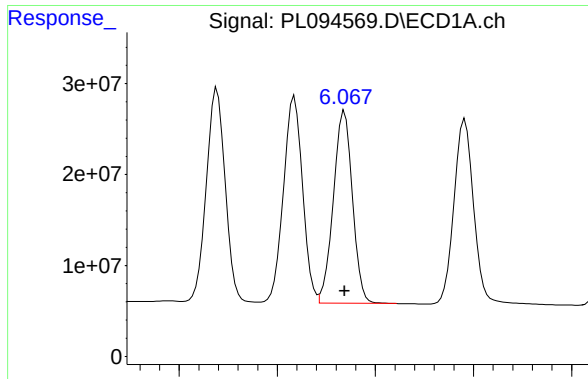
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



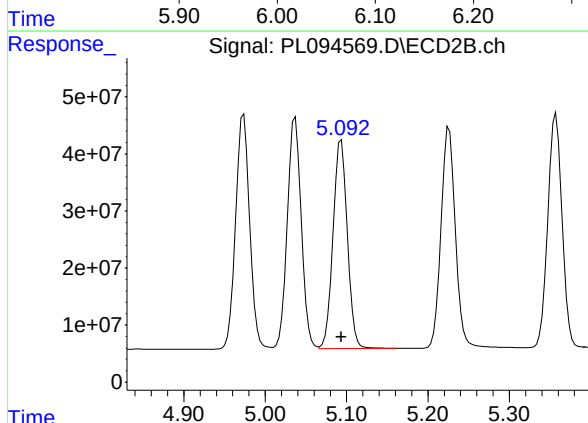
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

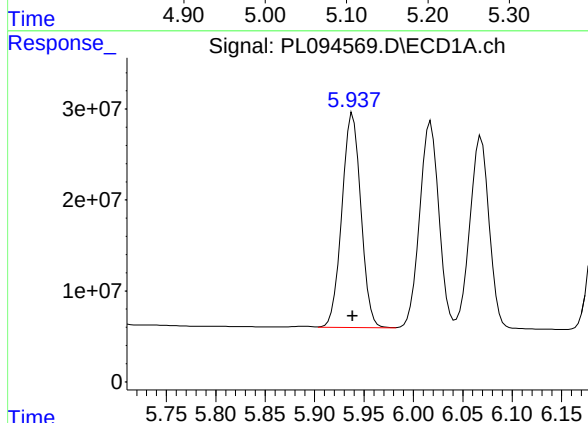
Manual Integrations
APPROVED

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



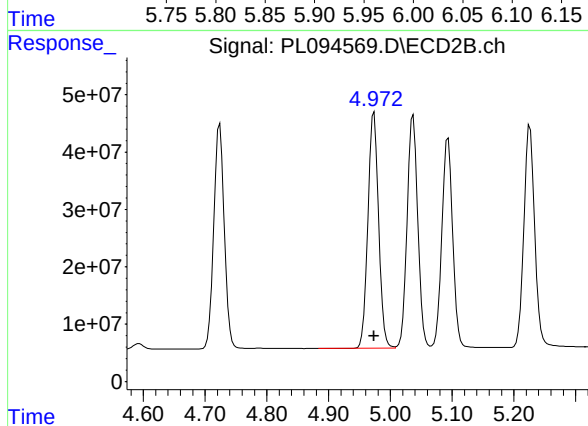
#9 Endosulfan I

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



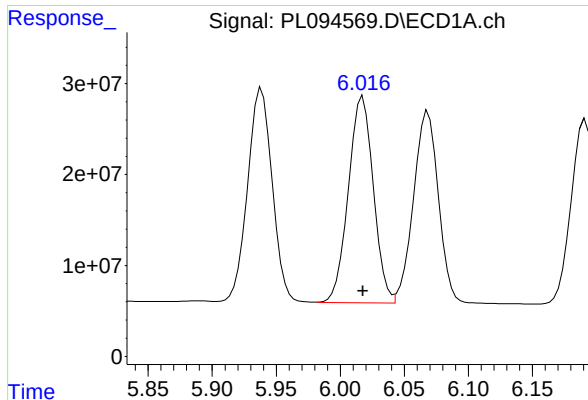
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



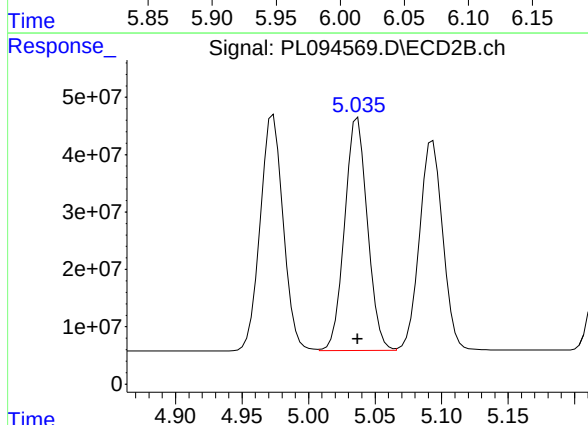
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

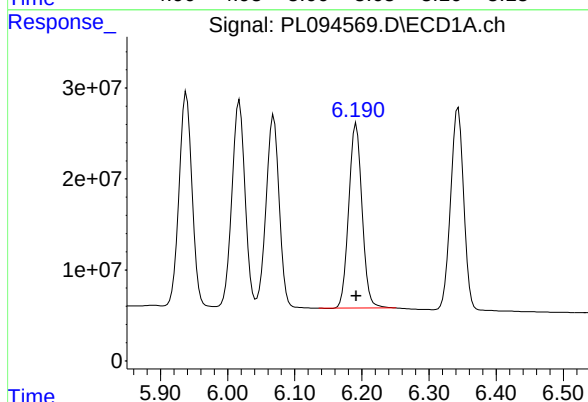
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



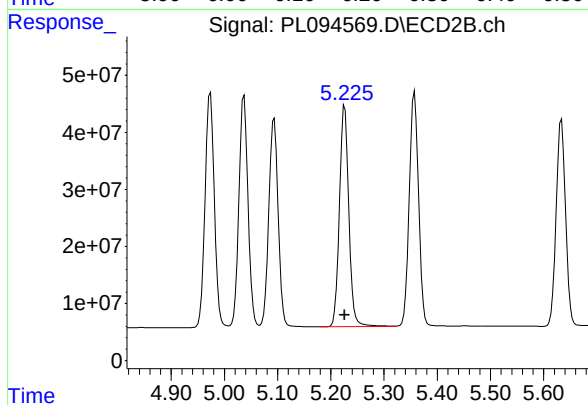
#11 alpha-Chlordane

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



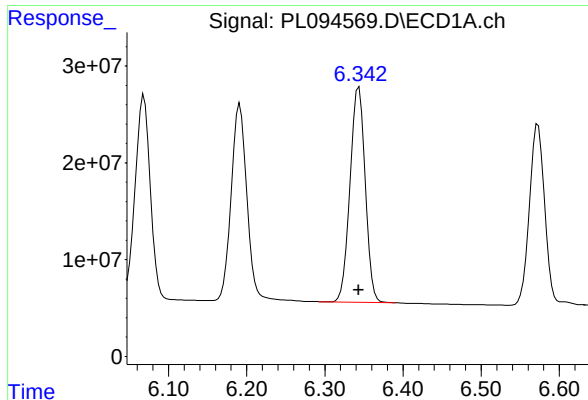
#12 4,4'-DDE

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



#12 4,4'-DDE

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



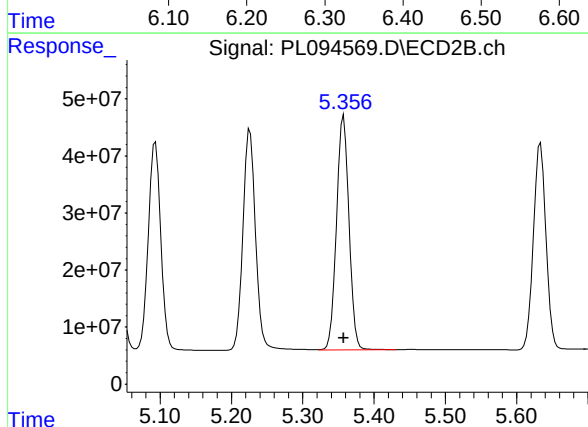
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

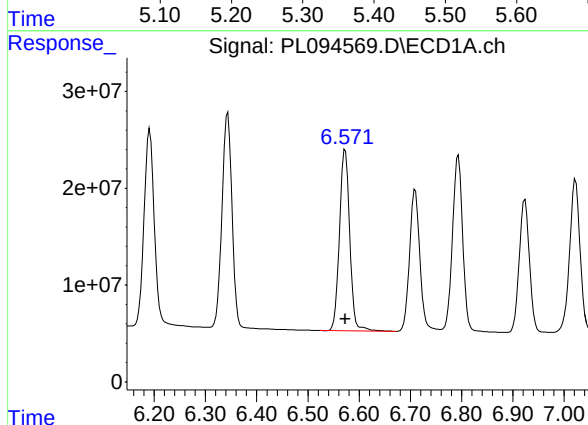
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



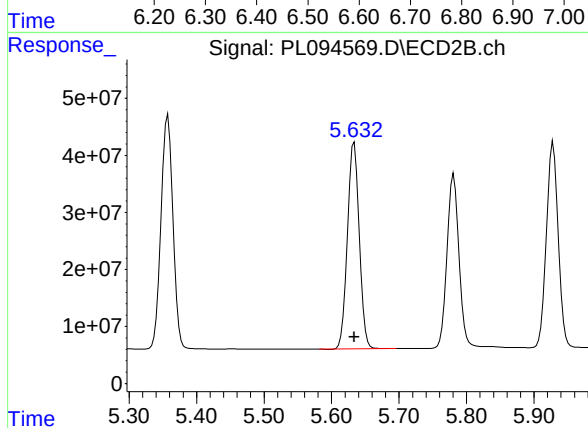
#13 Dieldrin

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



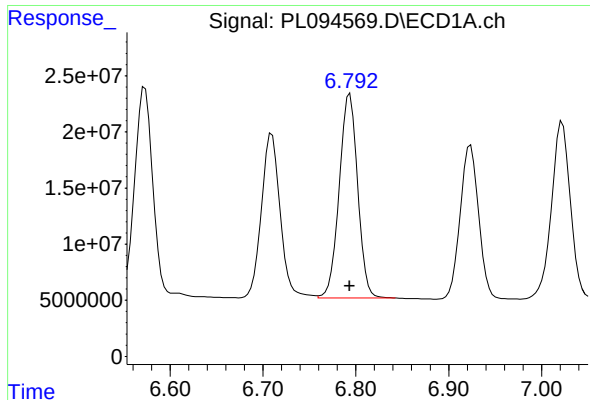
#14 Endrin

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



#14 Endrin

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



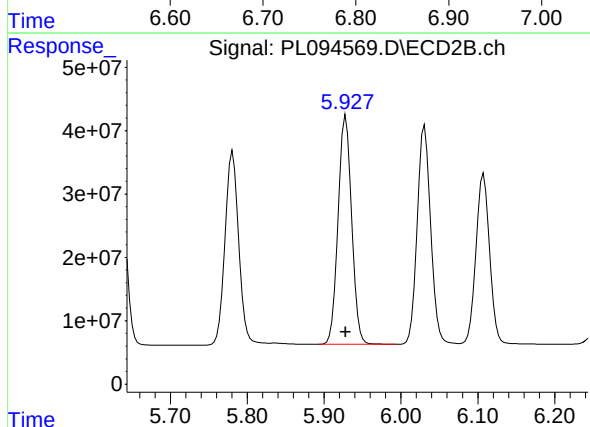
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

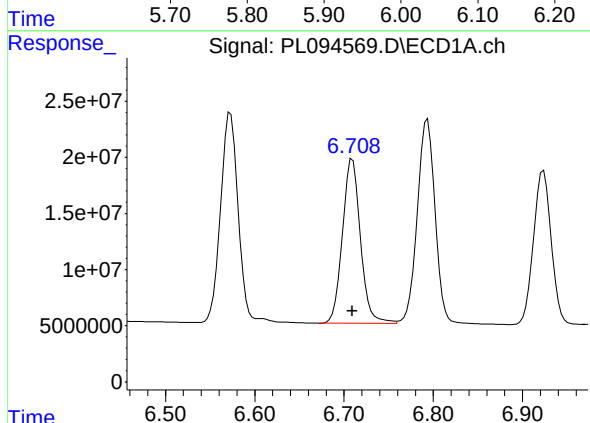
Manual Integrations
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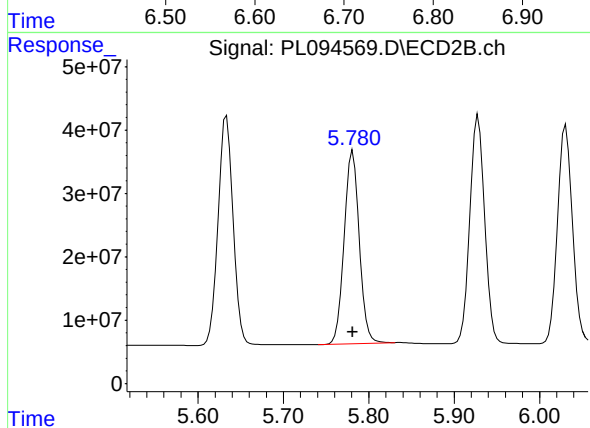
#15 Endosulfan II

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



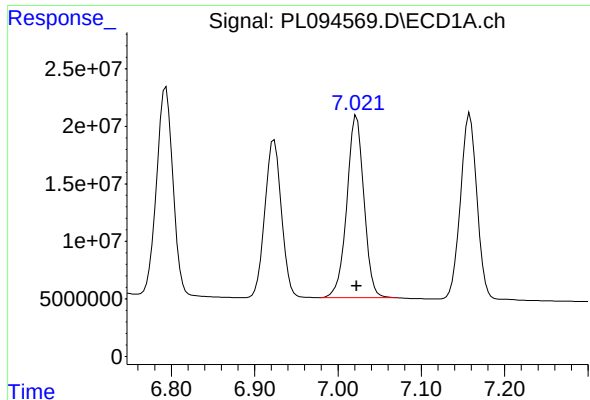
#16 4,4'-DDD

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



#16 4,4'-DDD

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



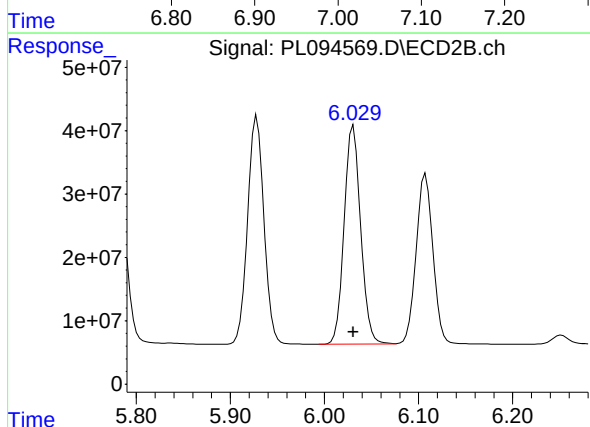
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

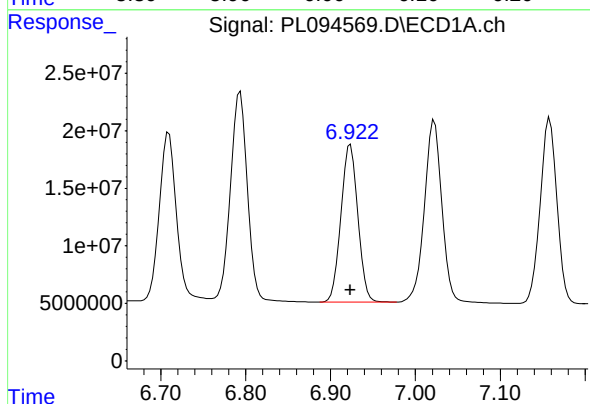
Manual Integrations
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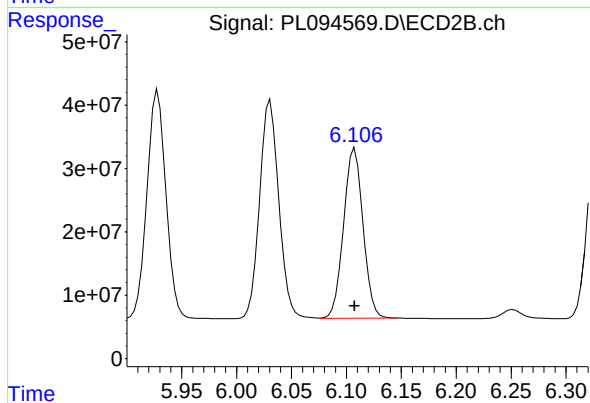
#17 4,4'-DDT

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



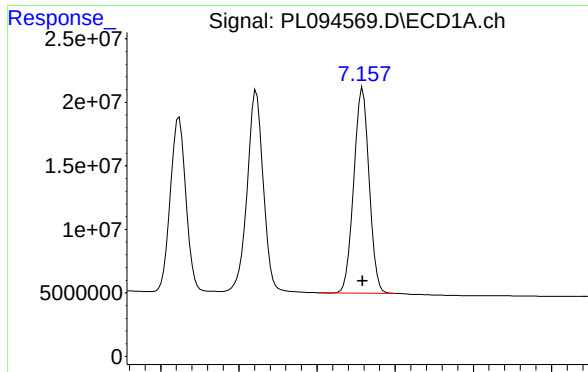
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



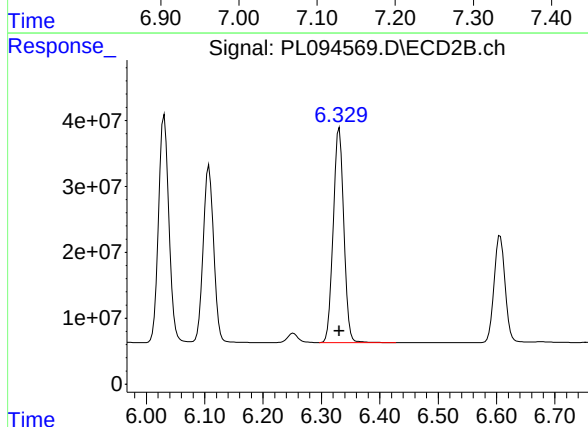
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

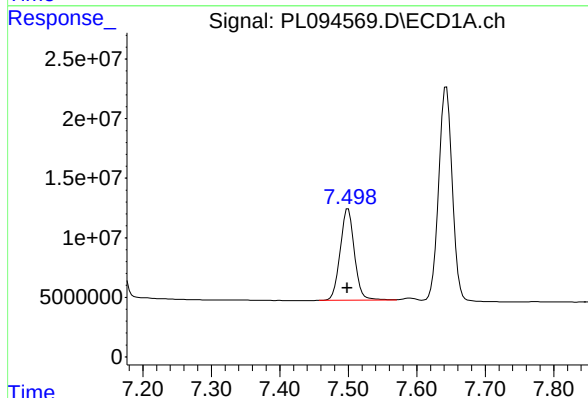
Manual Integrations
APPROVED

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



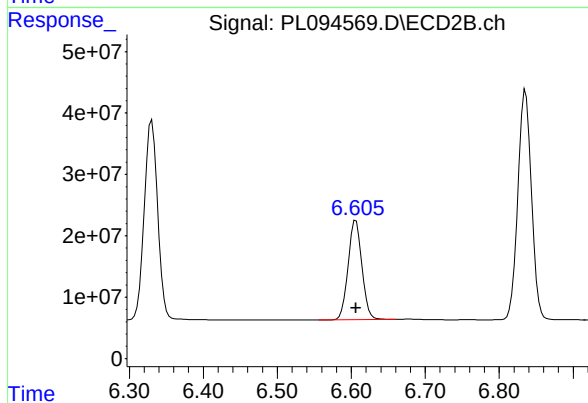
#19 Endosulfan Sulfate

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



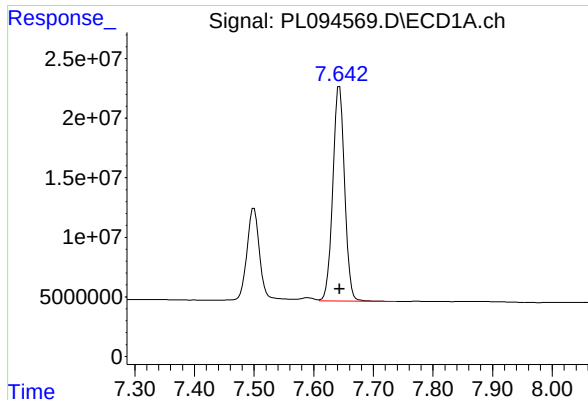
#20 Methoxychlor

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



#20 Methoxychlor

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



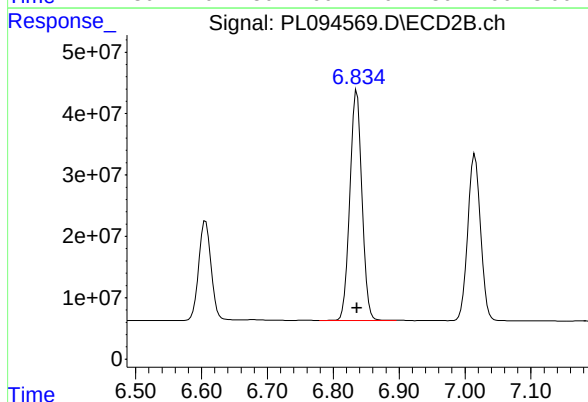
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

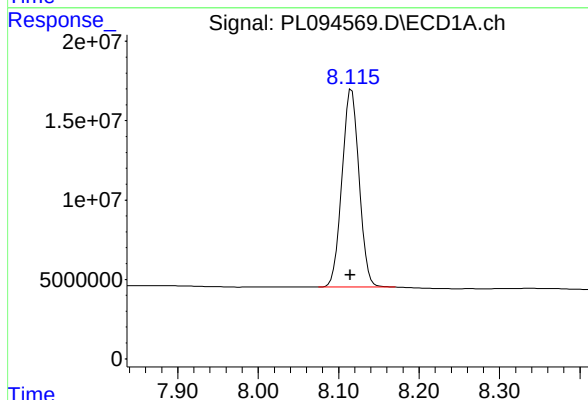
Manual Integrations
APPROVED

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



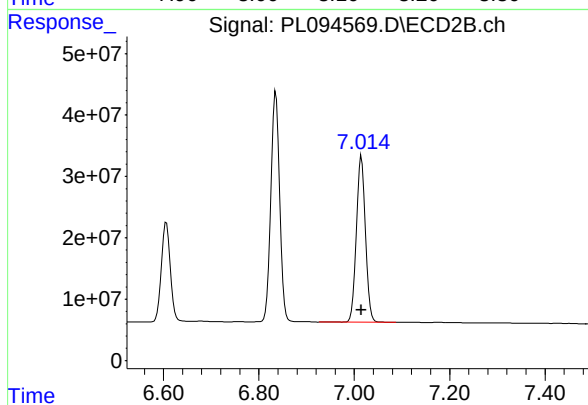
#21 Endrin ketone

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



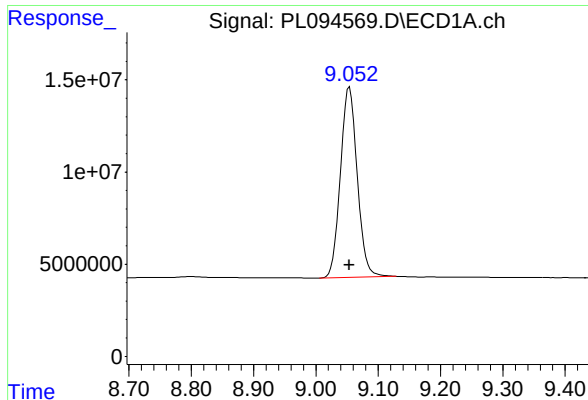
#22 Mirex

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



#22 Mirex

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



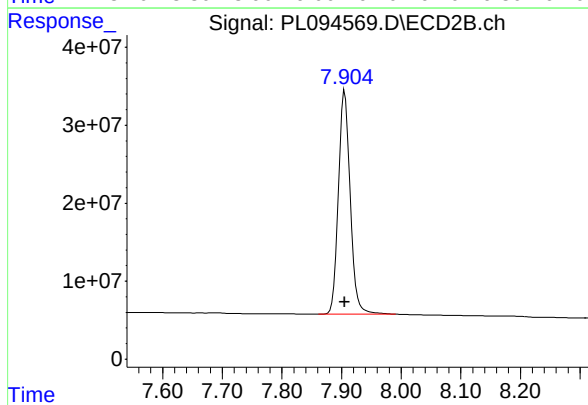
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



#28 Decachlorobiphenyl

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	201.1E6	263.8E6	74.661	74.715
28)	SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds							
2)	A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3)	MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4)	MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5)	MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6)	B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7)	B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8)	B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9)	A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10)	B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11)	B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12)	B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13)	MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14)	MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15)	B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16)	A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17)	MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18)	B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19)	B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20)	A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21)	B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22)	Mirex	8.115	7.015	140.5E6	271.3E6	74.155m	74.275

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

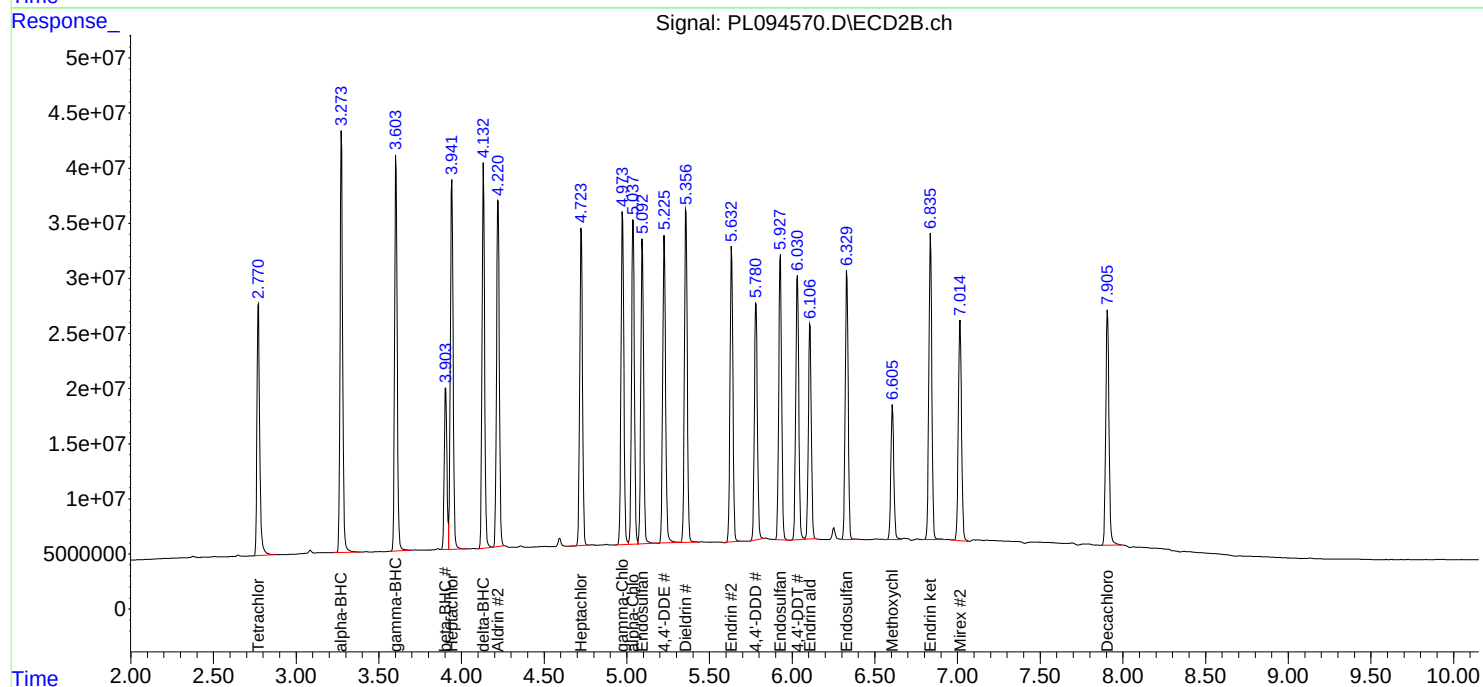
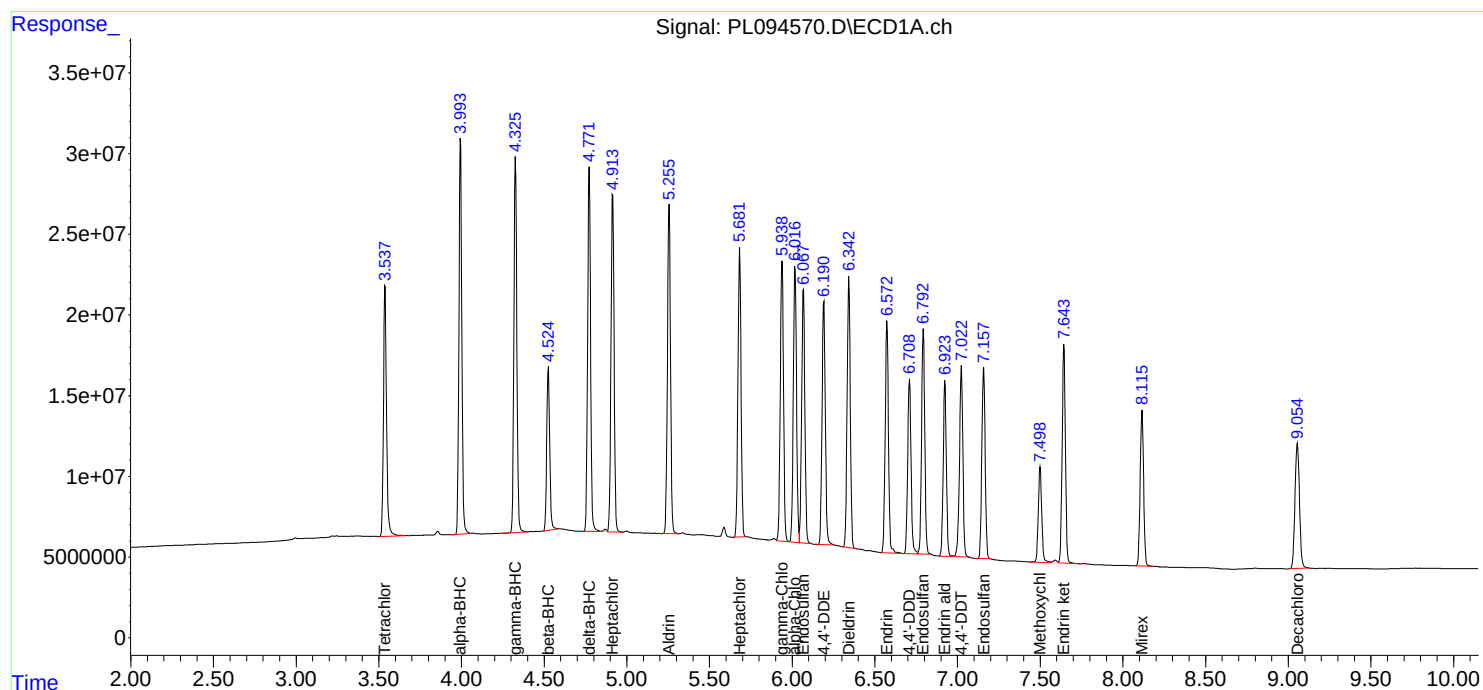
APPROVED

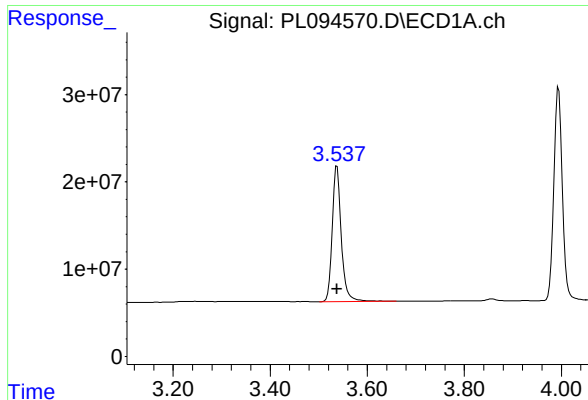
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

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

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





#1 Tetrachloro-m-xylene

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

Instrument :

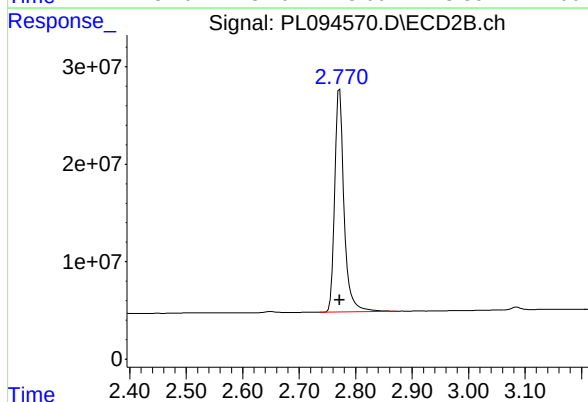
ECD_L

ClientSampleId :

PSTDICC075

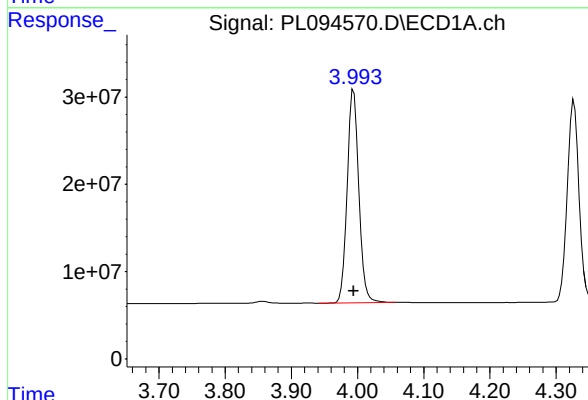
Manual Integrations
APPROVED

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



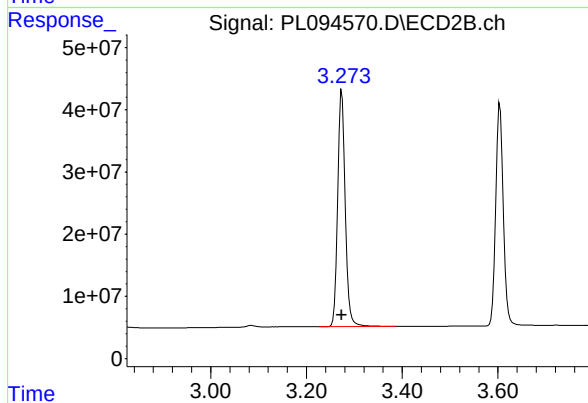
#1 Tetrachloro-m-xylene

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



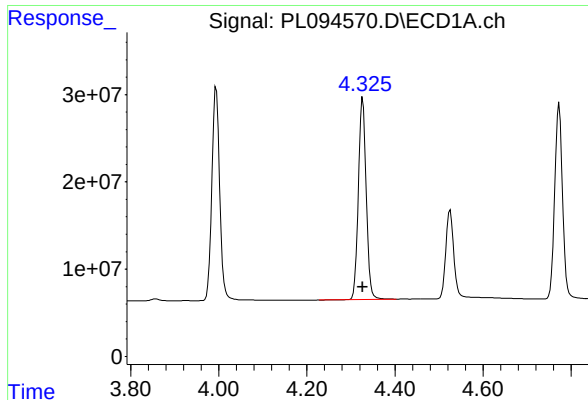
#2 alpha-BHC

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



#2 alpha-BHC

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



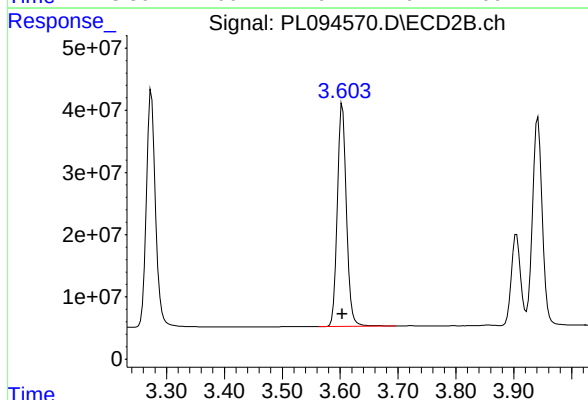
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

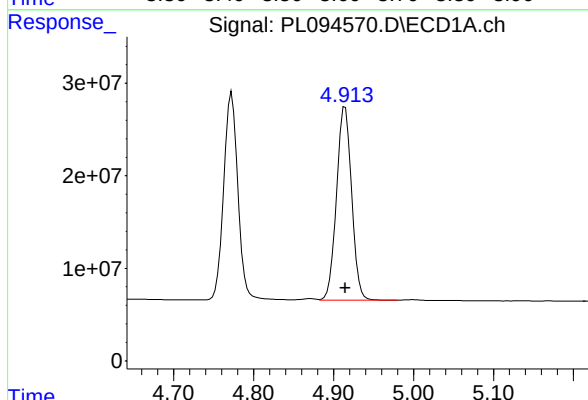
Manual Integrations
APPROVED

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



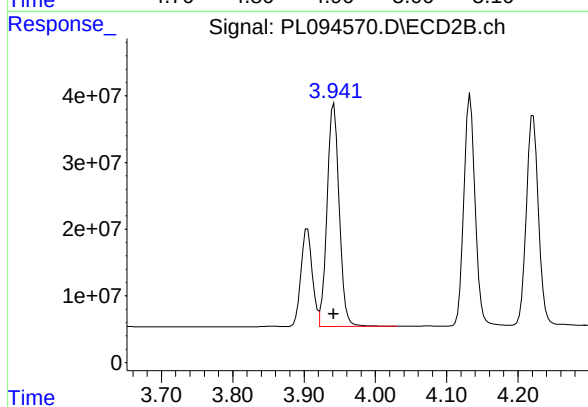
#3 gamma-BHC (Lindane)

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



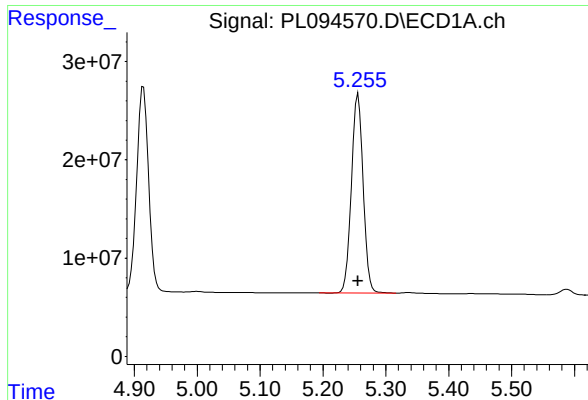
#4 Heptachlor

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



#4 Heptachlor

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



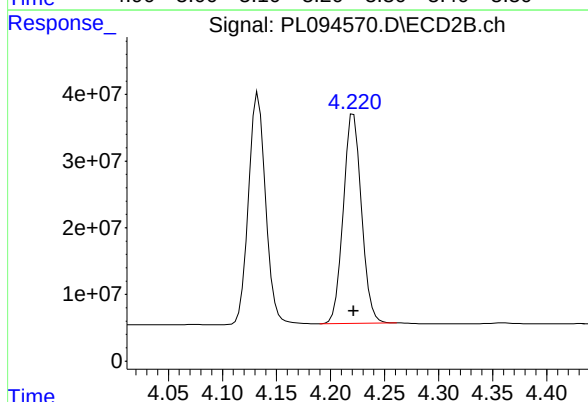
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

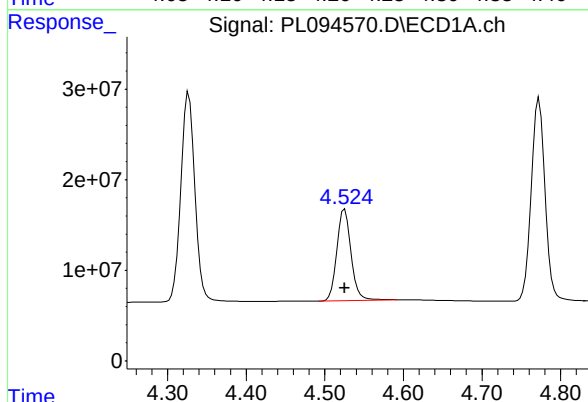
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



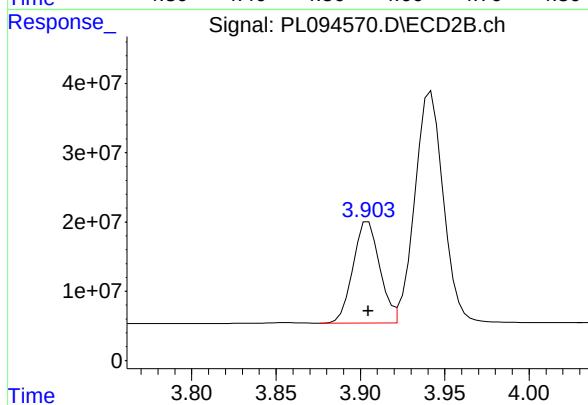
#5 Aldrin

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



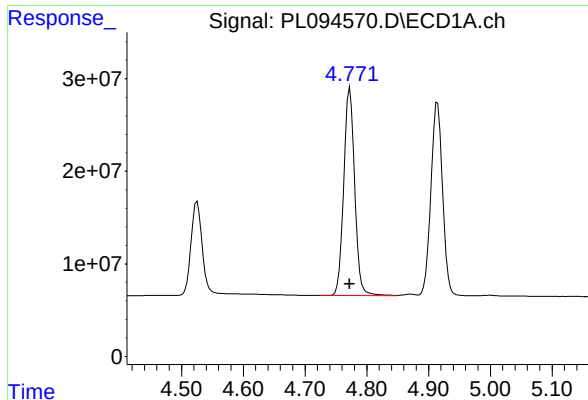
#6 beta-BHC

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



#6 beta-BHC

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



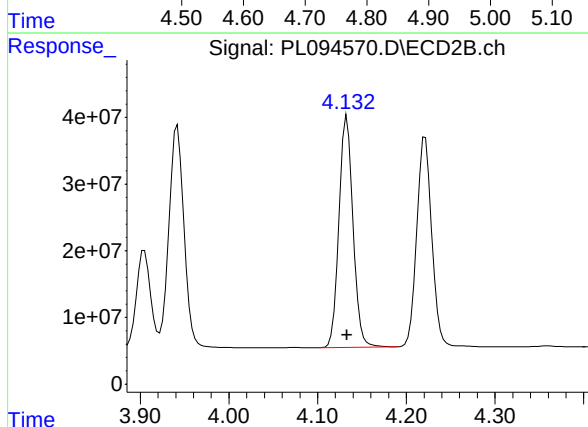
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

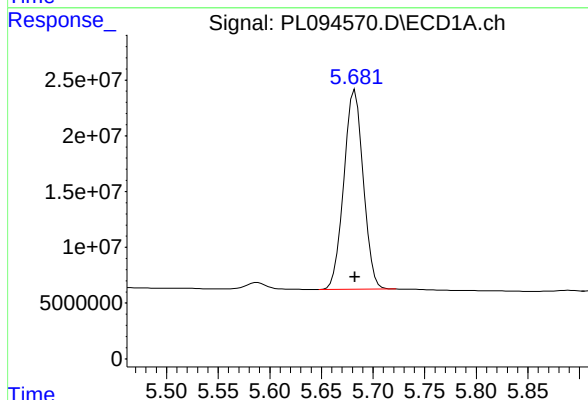
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



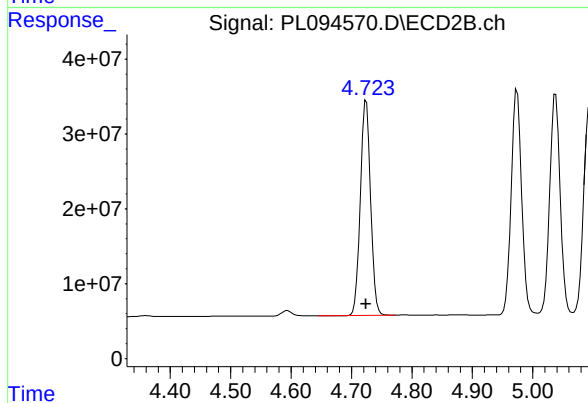
#7 delta-BHC

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



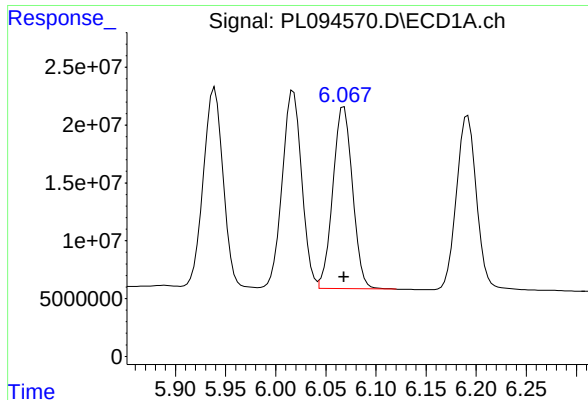
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



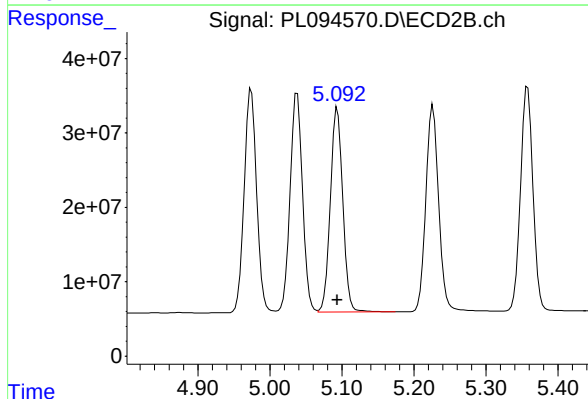
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

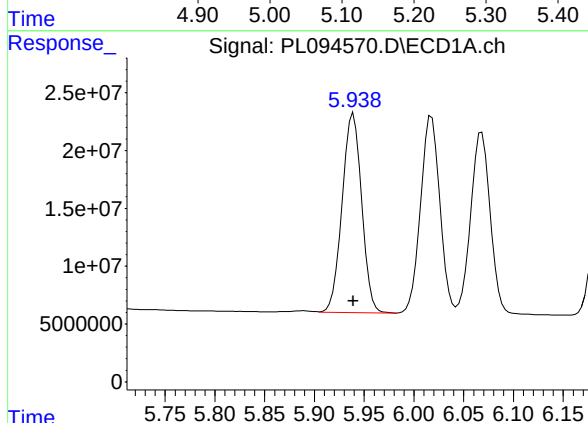
Manual Integrations
APPROVED

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



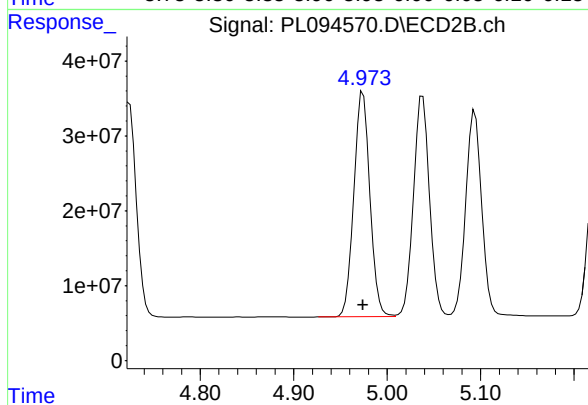
#9 Endosulfan I

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



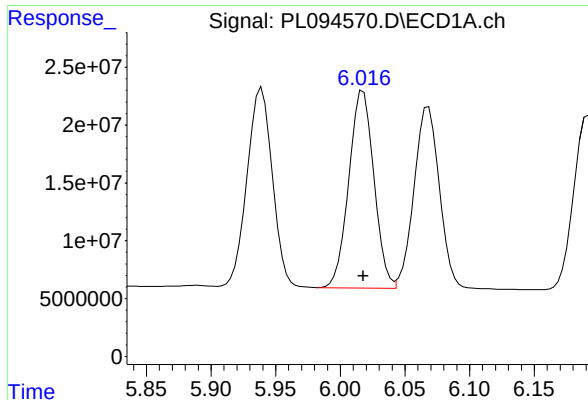
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



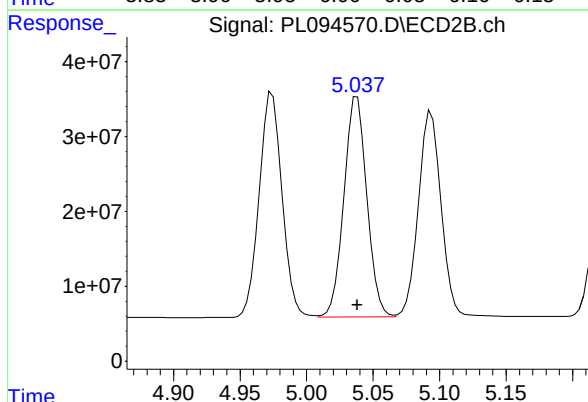
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

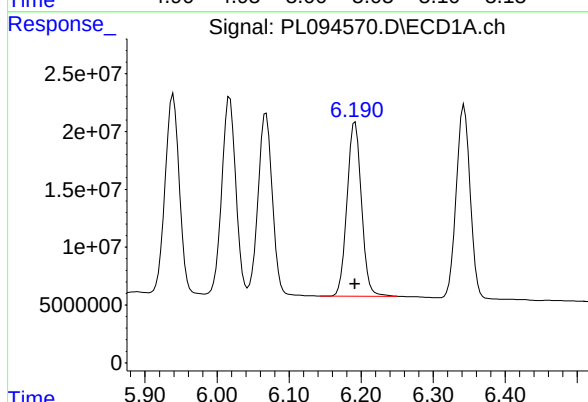
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



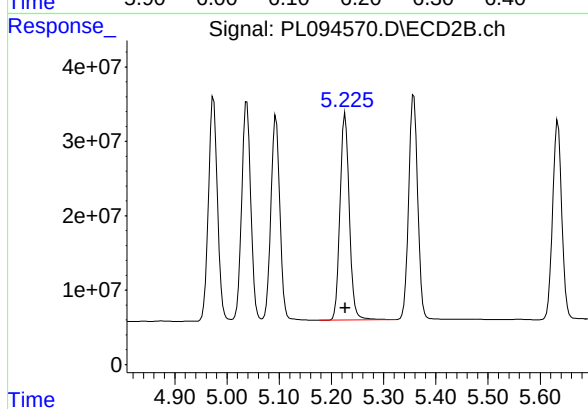
#11 alpha-Chlordane

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



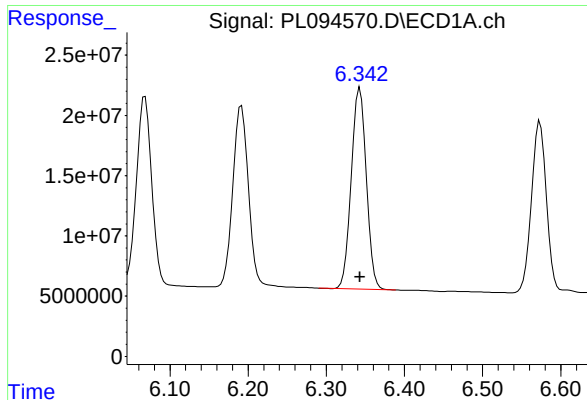
#12 4,4'-DDE

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



#12 4,4'-DDE

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



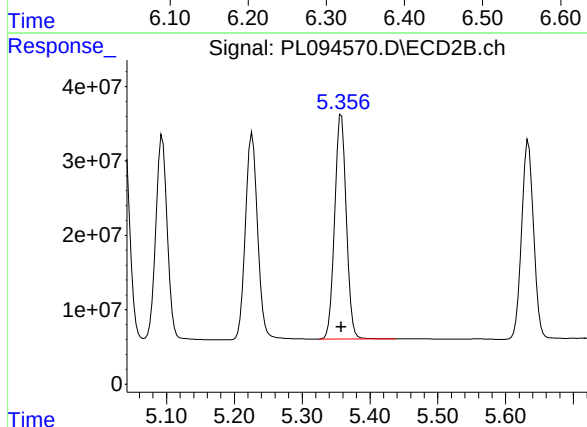
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

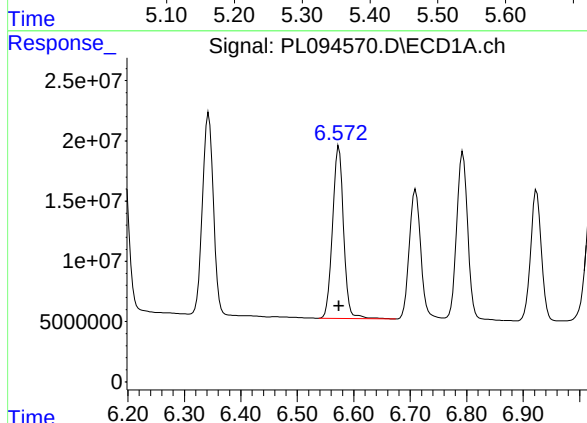
Manual Integrations
APPROVED

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



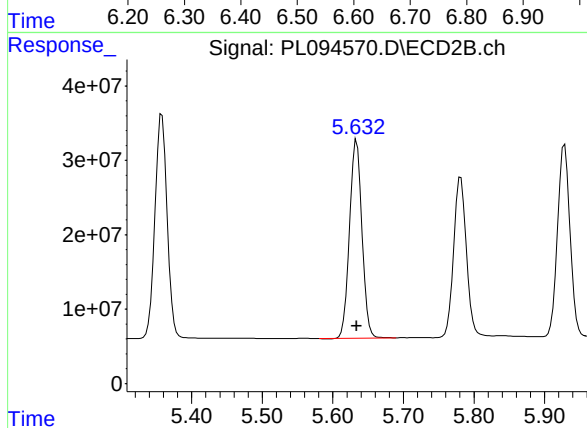
#13 Dieldrin

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



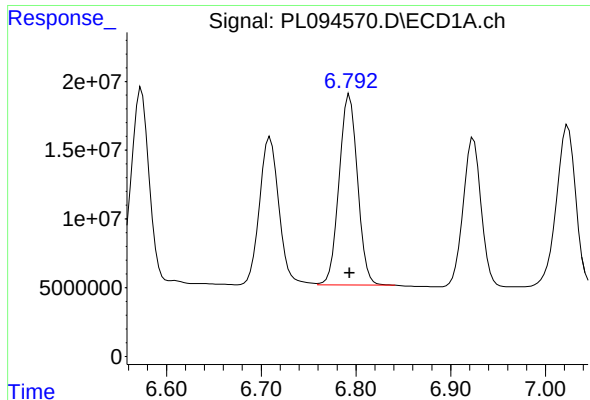
#14 Endrin

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



#14 Endrin

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



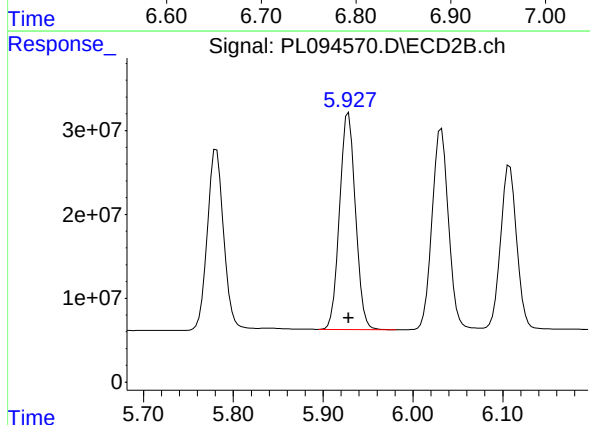
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

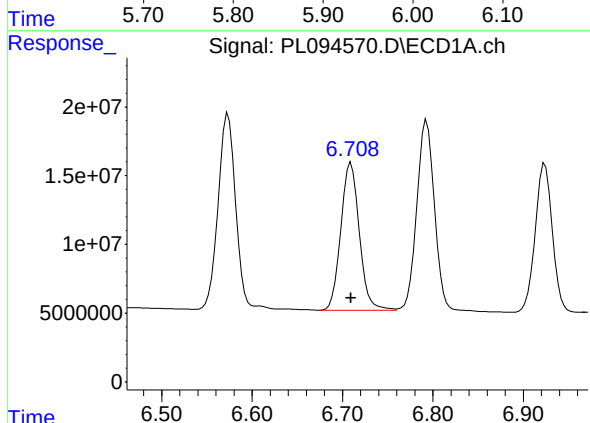
Manual Integrations
APPROVED

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



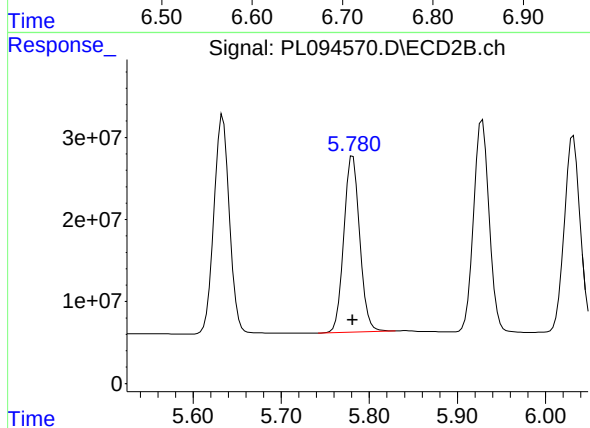
#15 Endosulfan II

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



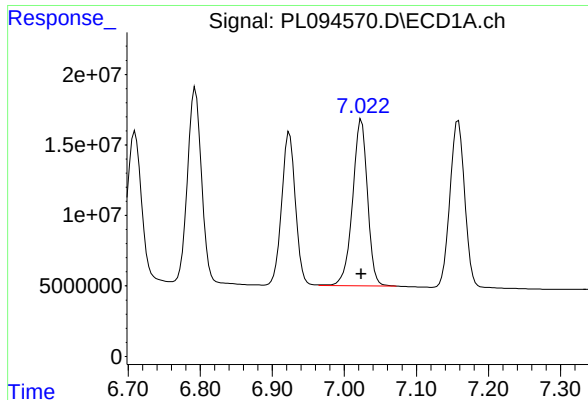
#16 4,4'-DDD

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



#16 4,4'-DDD

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



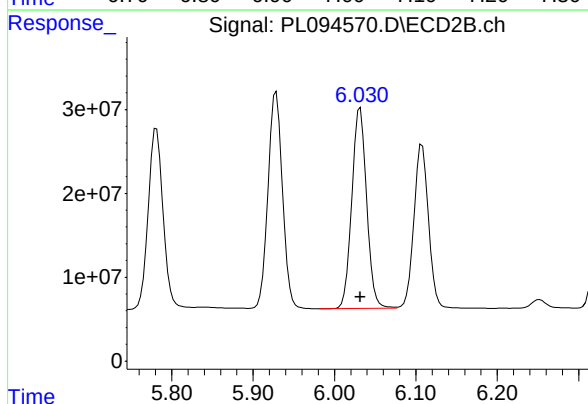
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

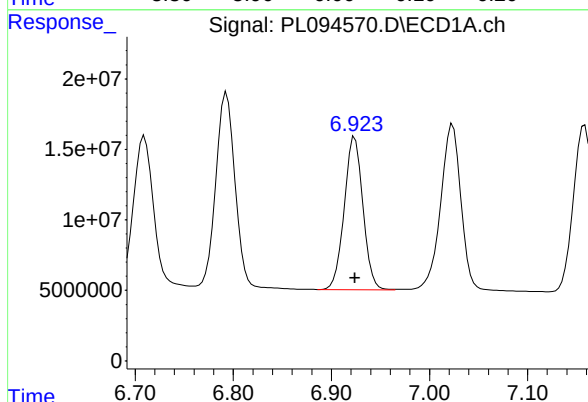
Manual Integrations
APPROVED

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



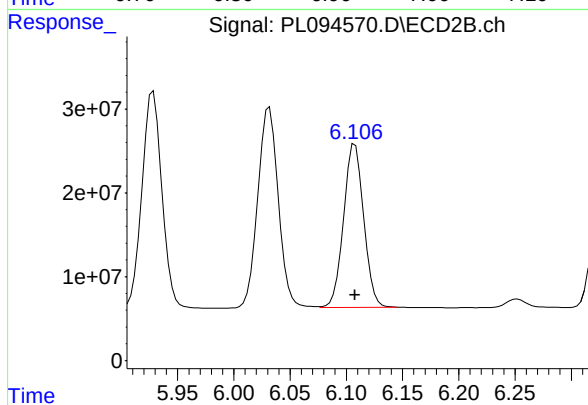
#17 4,4'-DDT

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



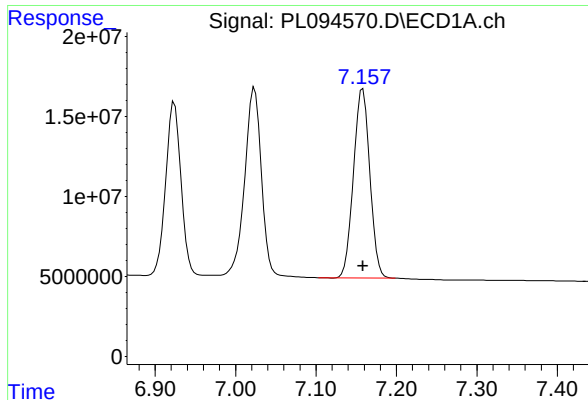
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



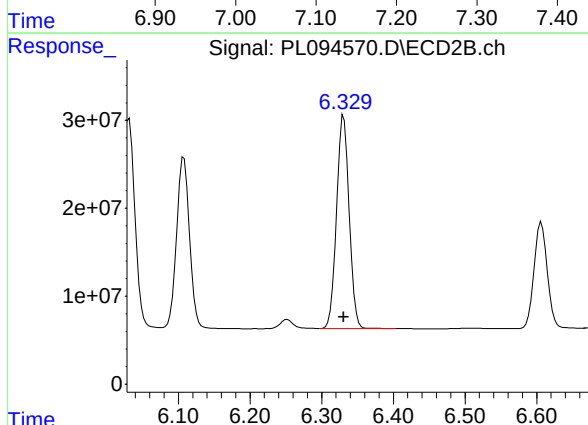
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

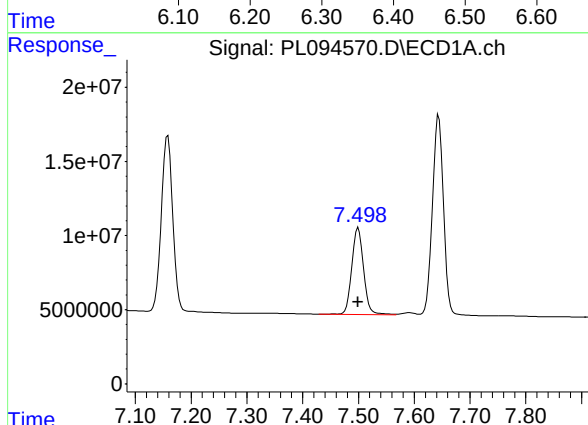
Manual Integrations
APPROVED

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



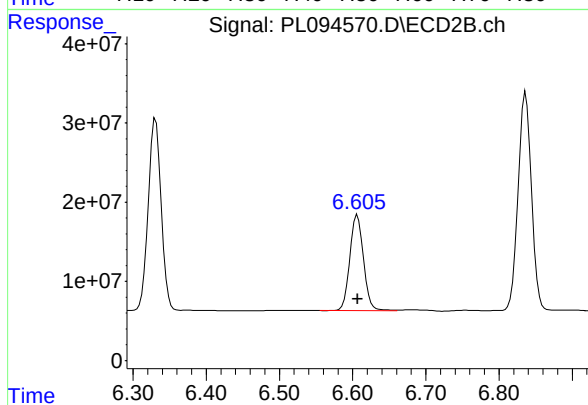
#19 Endosulfan Sulfate

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



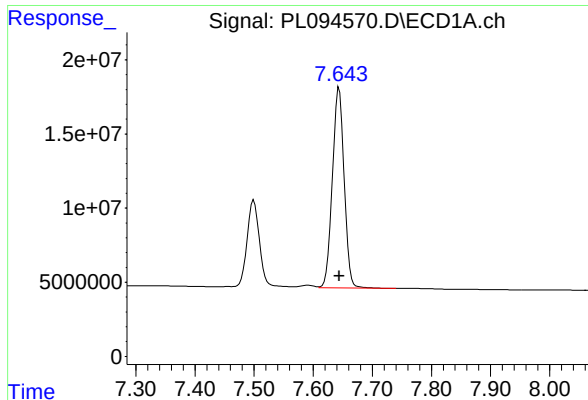
#20 Methoxychlor

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



#20 Methoxychlor

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



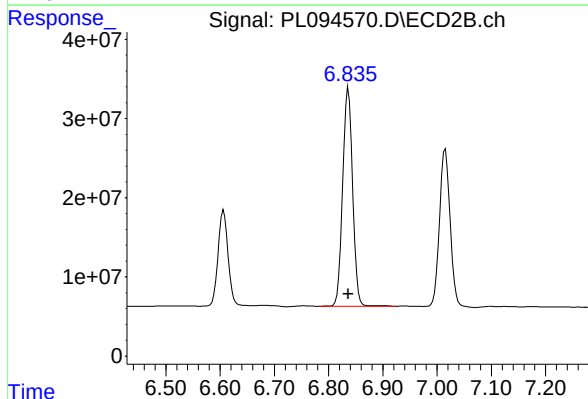
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

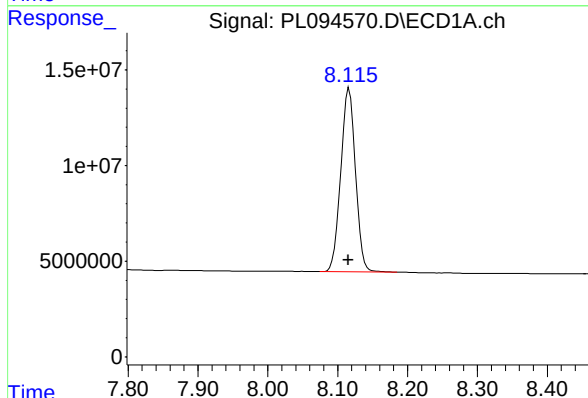
Manual Integrations
APPROVED

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



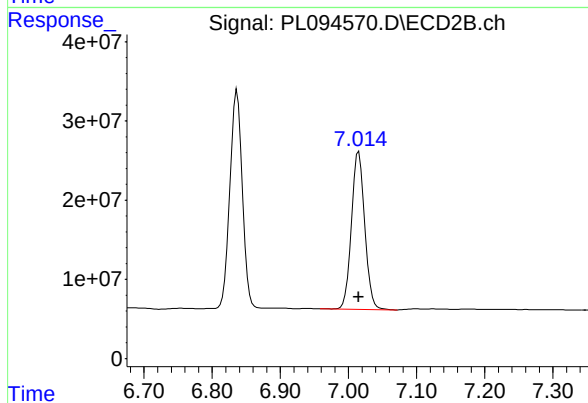
#21 Endrin ketone

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



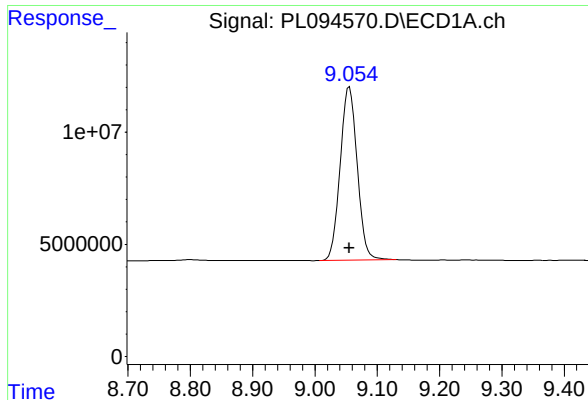
#22 Mirex

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



#22 Mirex

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



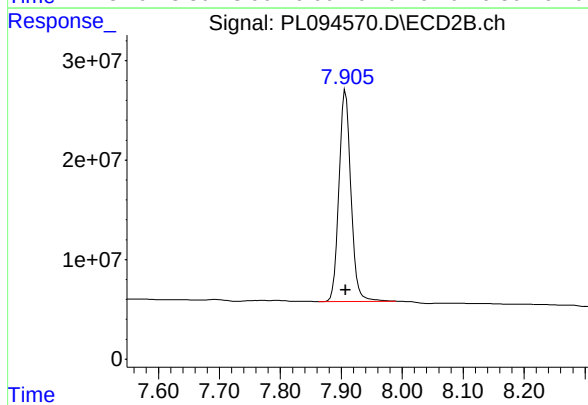
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	136.1E6	175.1E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	101.0E6	195.2E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.994	3.274	200.3E6	270.4E6	50.000	50.000
3) MA gamma-BHC...	4.327	3.604	192.1E6	256.6E6	50.000	50.000
4) MA Heptachlor	4.915	3.942	185.9E6	261.4E6	50.000	50.000
5) MB Aldrin	5.256	4.222	176.6E6	241.9E6	50.000	50.000
6) B beta-BHC	4.525	3.905	87145707	108.6E6	50.000	50.000
7) B delta-BHC	4.773	4.133	186.0E6	249.7E6	50.000	50.000
8) B Heptachlo...	5.683	4.725	159.9E6	226.5E6	50.000	50.000
9) A Endosulfan I	6.069	5.094	146.2E6	217.3E6	50.000	50.000
10) B gamma-Chl...	5.940	4.974	160.4E6	238.5E6	50.000	50.000
11) B alpha-Chl...	6.018	5.038	157.3E6	235.6E6	50.000	50.000
12) B 4,4'-DDE	6.193	5.227	142.2E6	229.5E6	50.000	50.000
13) MA Dieldrin	6.344	5.358	152.0E6	239.6E6	50.000	50.000
14) MA Endrin	6.574	5.634	131.4E6	216.3E6	50.000	50.000
15) B Endosulfa...	6.794	5.929	129.0E6	212.8E6	50.000	50.000
16) A 4,4'-DDD	6.710	5.782	104.9E6	179.1E6	50.000	50.000
17) MA 4,4'-DDT	7.024	6.032	114.1E6	200.7E6	50.000	50.000
18) B Endrin al...	6.924	6.108	99751178	164.0E6	50.000	50.000
19) B Endosulfa...	7.159	6.331	114.8E6	201.6E6	50.000	50.000
20) A Methoxychlor	7.500	6.607	57407619	105.0E6	50.000	50.000
21) B Endrin ke...	7.644	6.836	125.2E6	235.4E6	50.000	50.000
22) Mirex	8.117	7.016	98343828	184.2E6	50.000	50.000

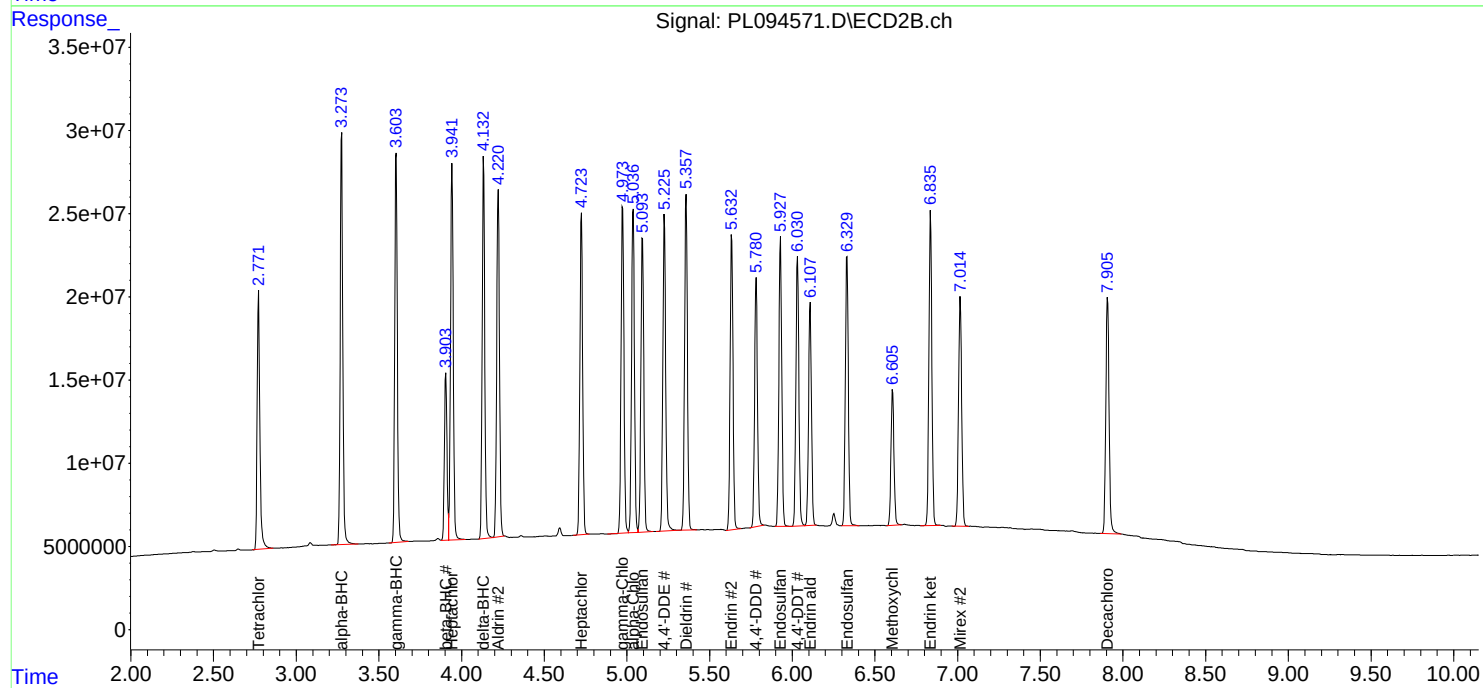
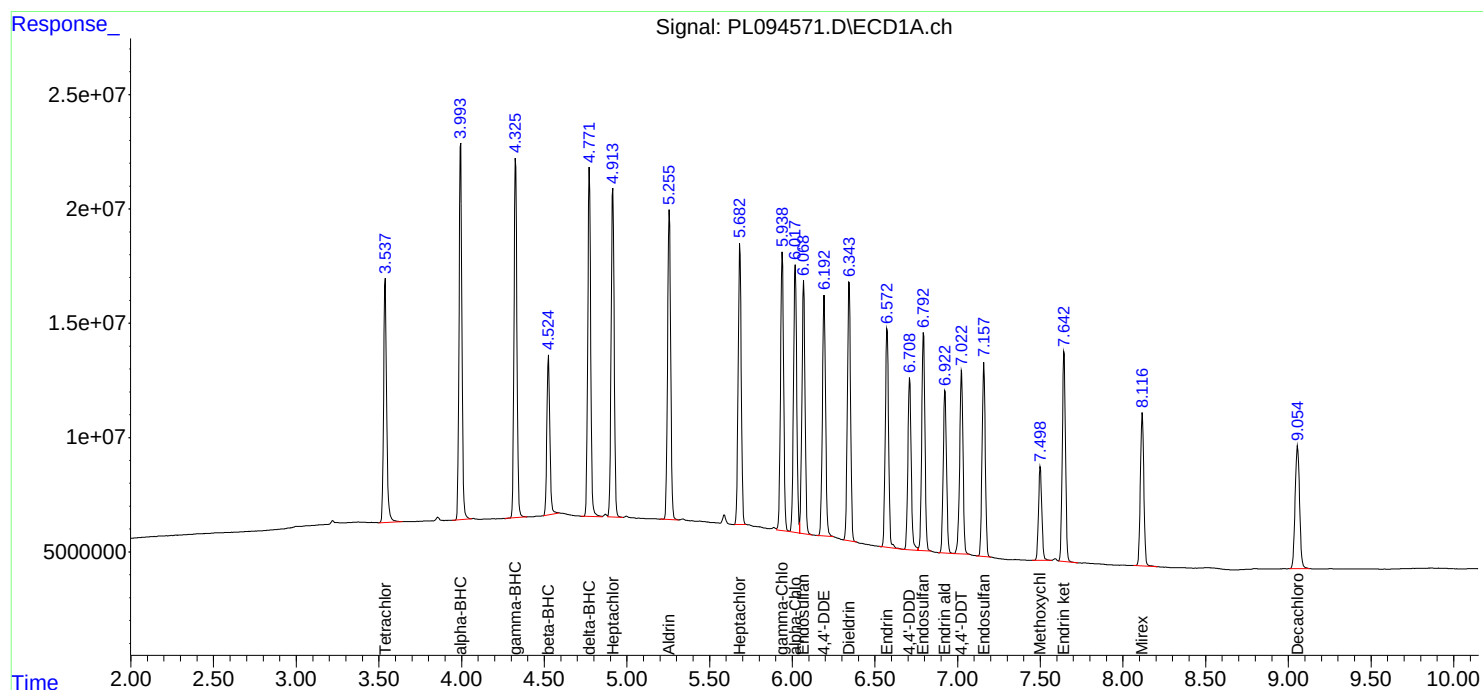
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

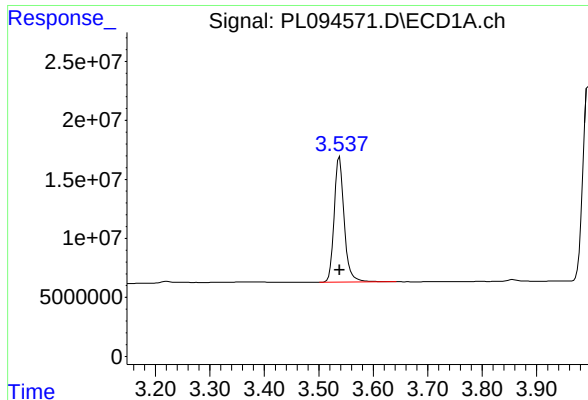
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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

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

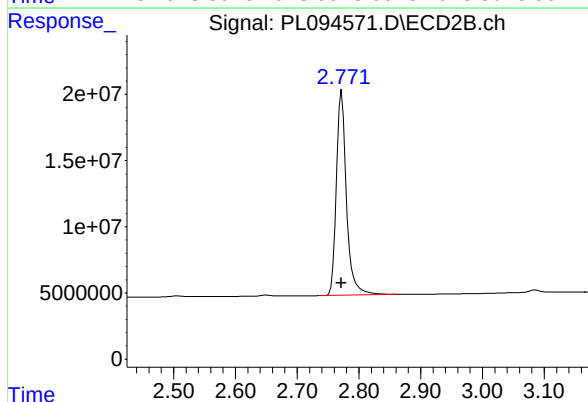




#1 Tetrachloro-m-xylene

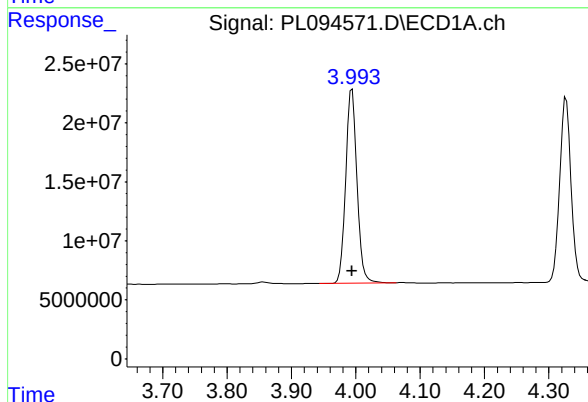
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 136137104
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



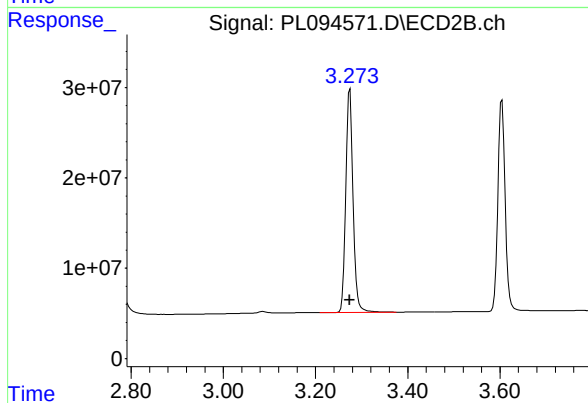
#1 Tetrachloro-m-xylene

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



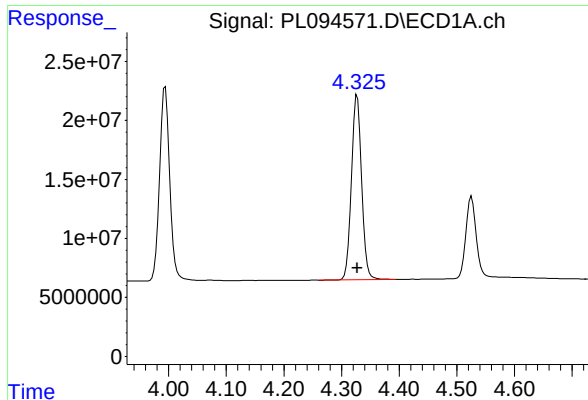
#2 alpha-BHC

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



#2 alpha-BHC

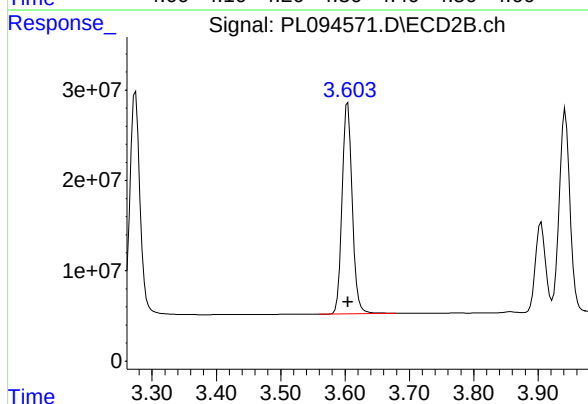
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 270359380
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

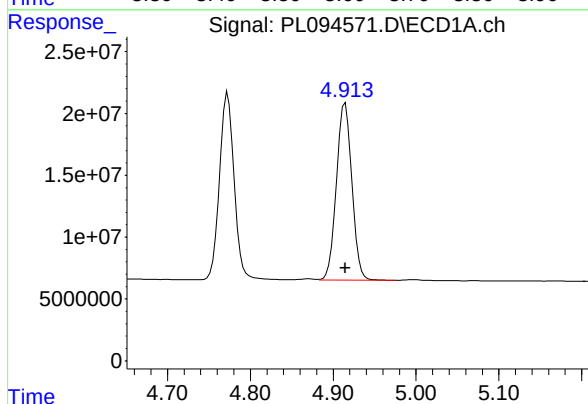
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192070832
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



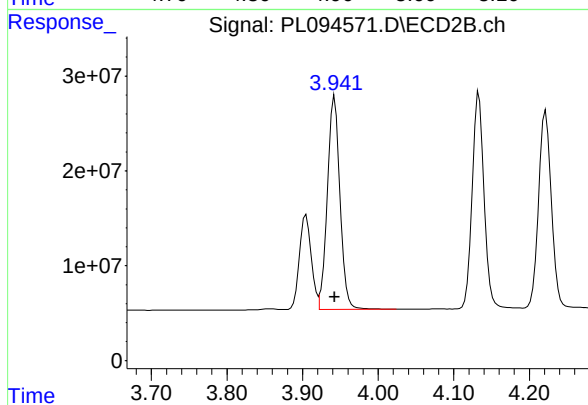
#3 gamma-BHC (Lindane)

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



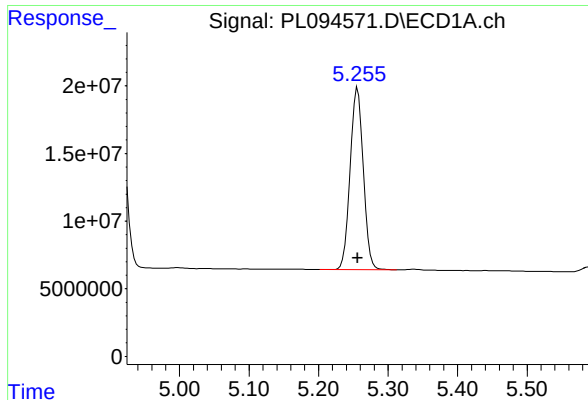
#4 Heptachlor

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



#4 Heptachlor

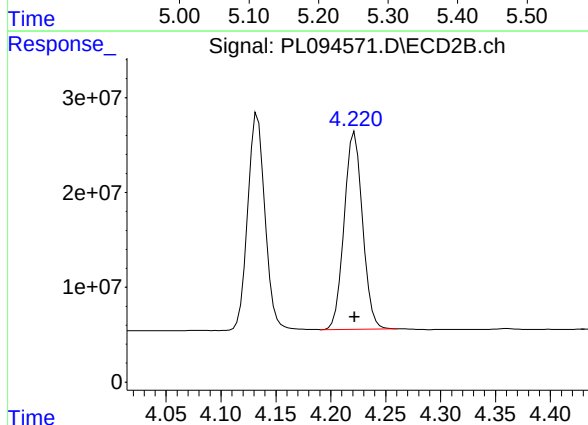
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 261438317
Conc: 50.00 ng/ml



#5 Aldrin

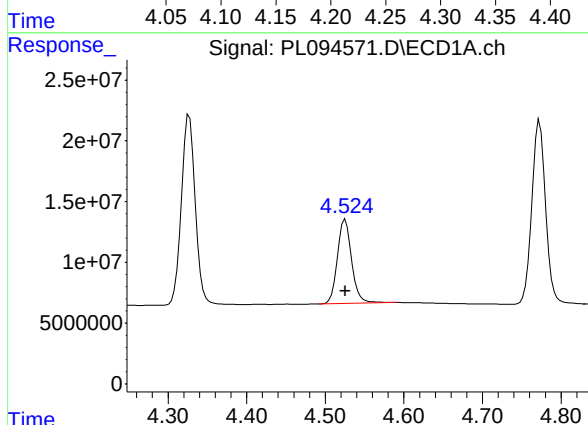
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 176587729
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



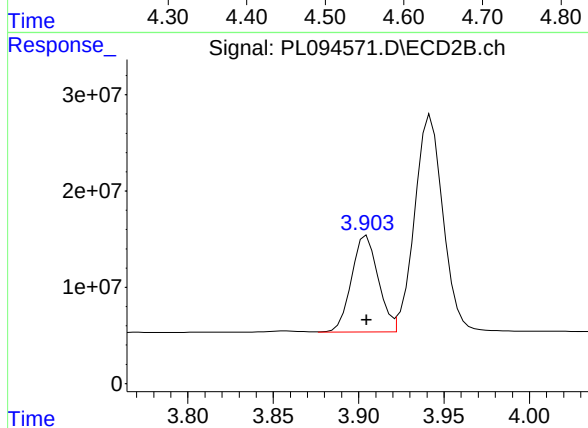
#5 Aldrin

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



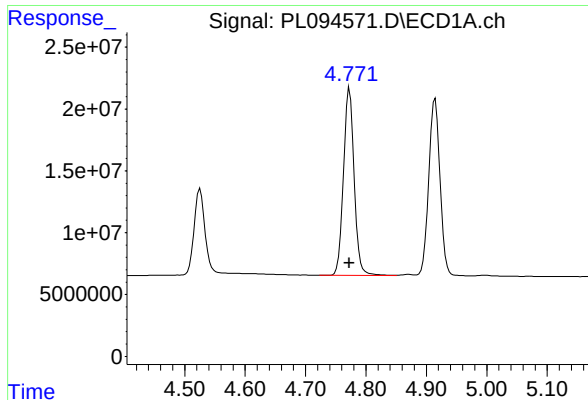
#6 beta-BHC

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



#6 beta-BHC

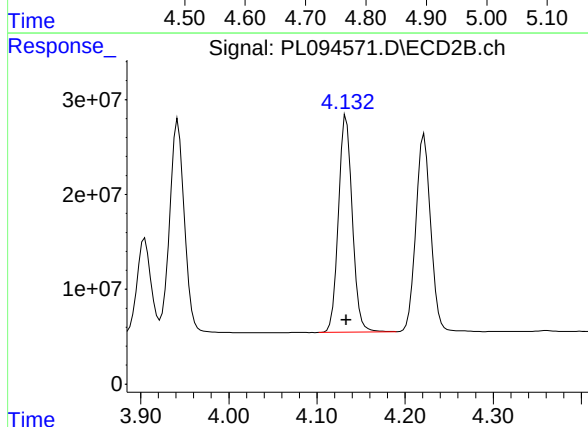
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 108608578
Conc: 50.00 ng/ml



#7 delta-BHC

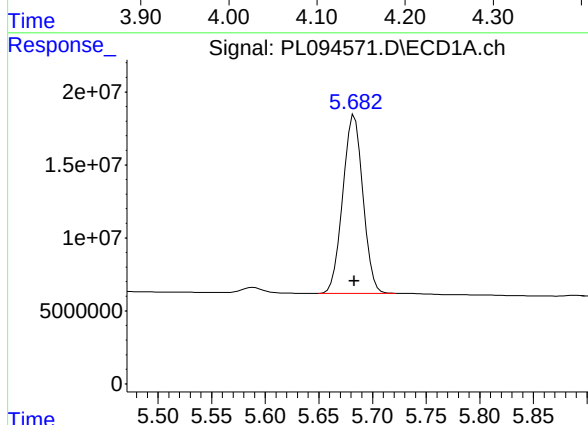
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186003116
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



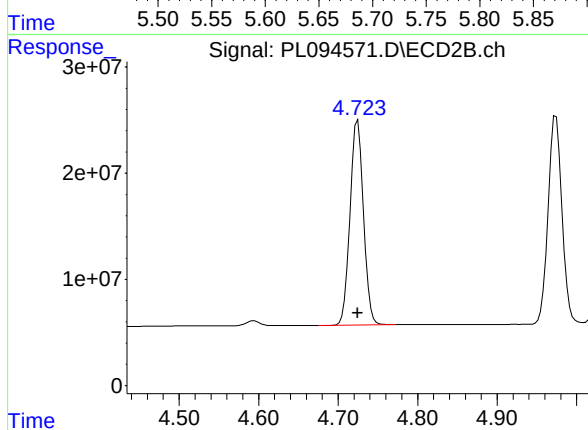
#7 delta-BHC

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



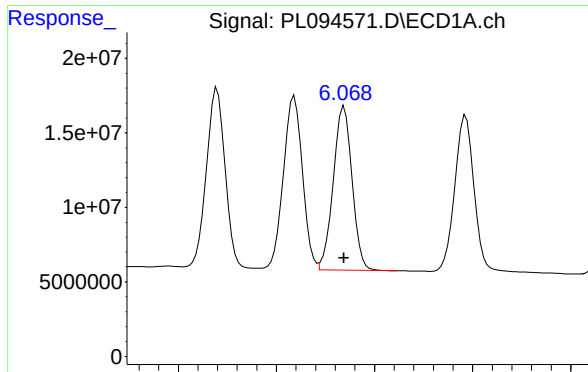
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

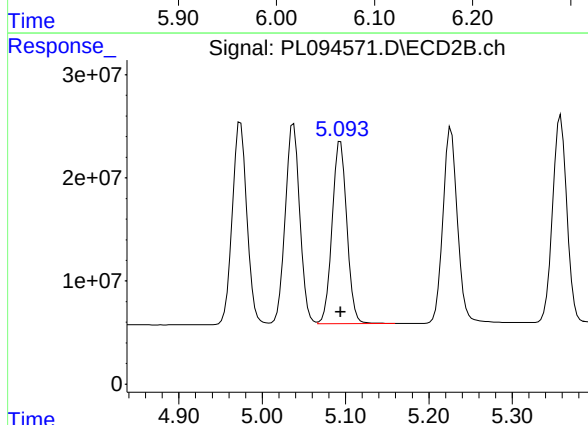
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 226476106
Conc: 50.00 ng/ml



#9 Endosulfan I

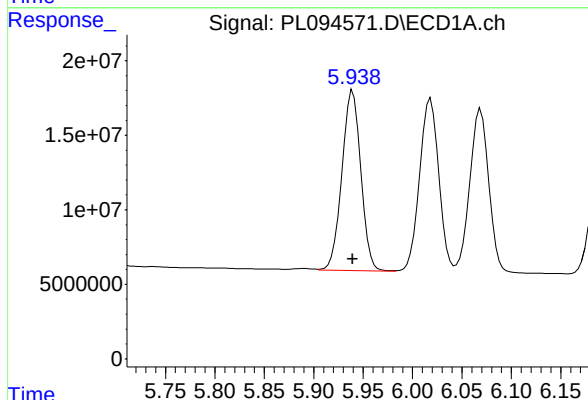
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 146211036
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



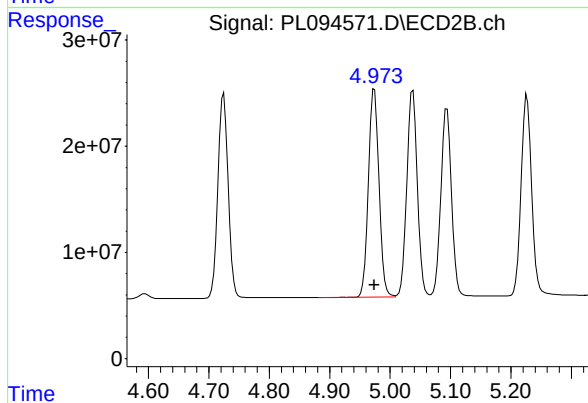
#9 Endosulfan I

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



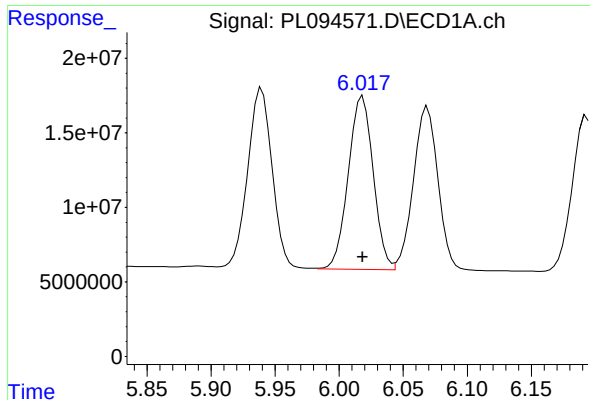
#10 gamma-Chlordane

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



#10 gamma-Chlordane

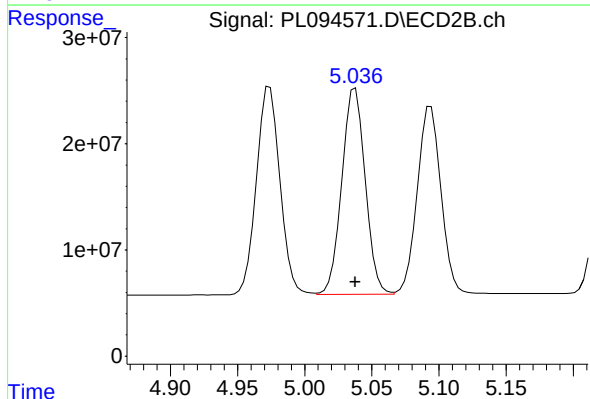
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 238530717
Conc: 50.00 ng/ml



#11 alpha-Chlordane

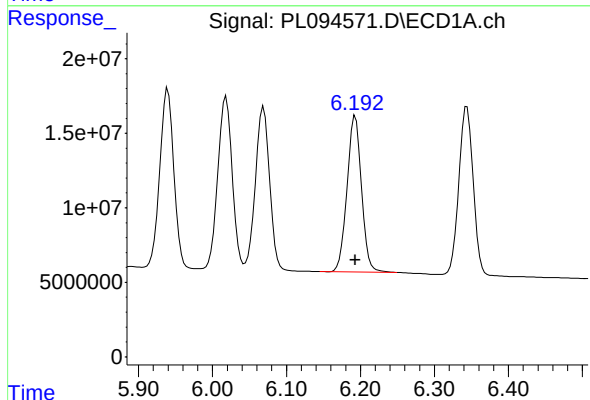
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157277512
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



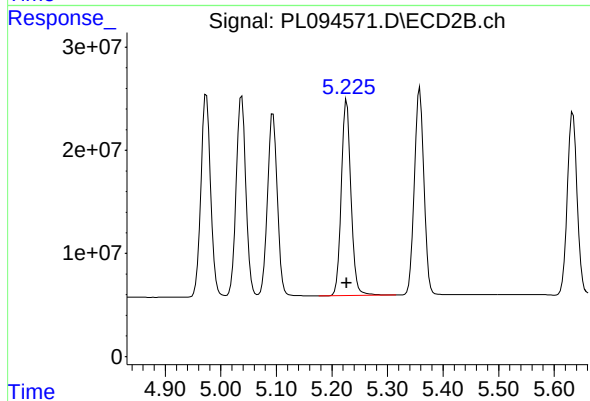
#11 alpha-Chlordane

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



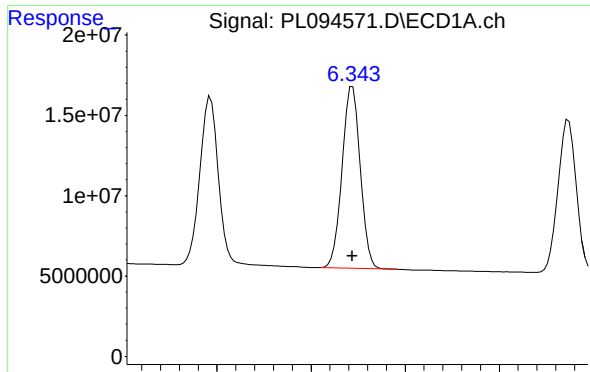
#12 4,4'-DDE

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



#12 4,4'-DDE

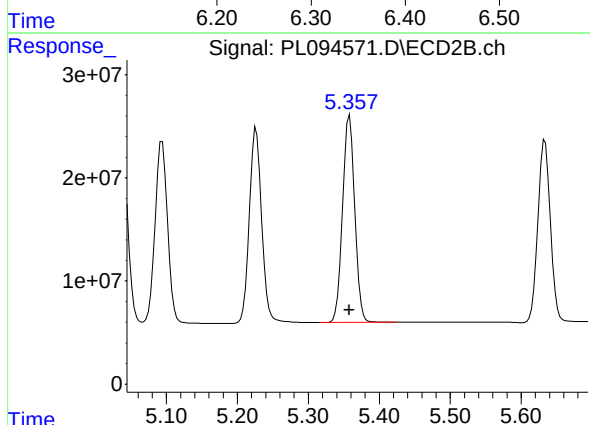
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 229476795
Conc: 50.00 ng/ml



#13 Dieldrin

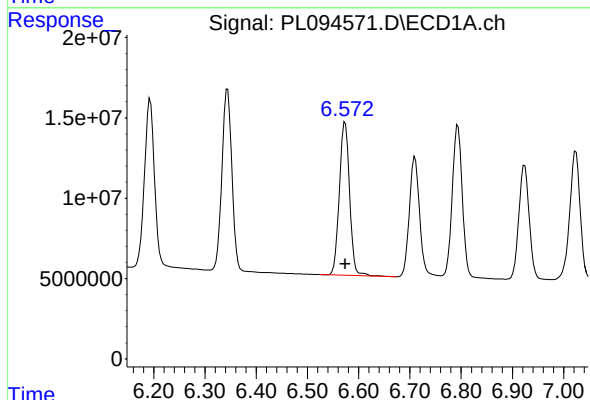
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 152019217
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



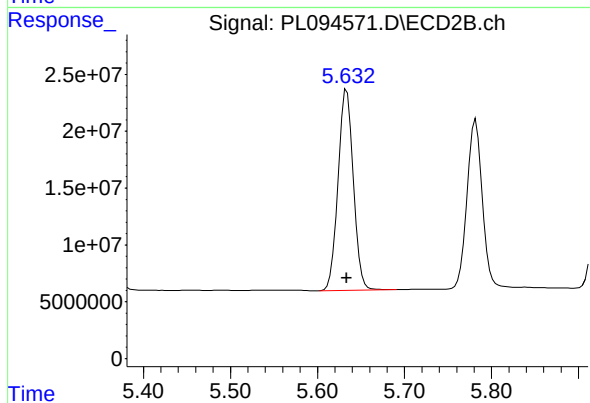
#13 Dieldrin

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



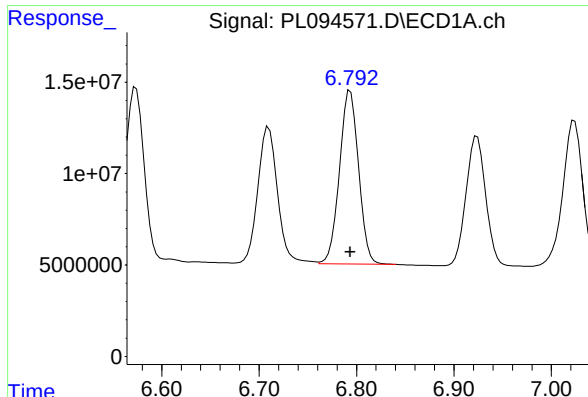
#14 Endrin

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



#14 Endrin

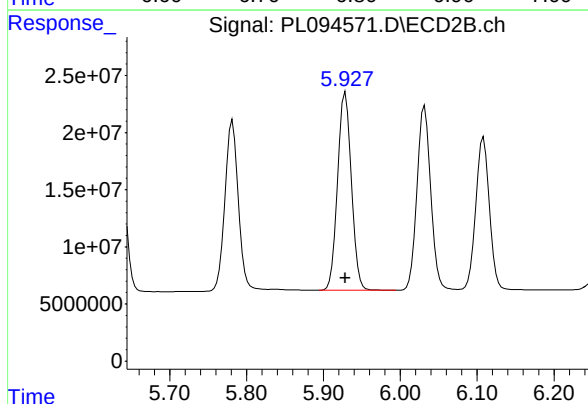
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 216302938
Conc: 50.00 ng/ml



#15 Endosulfan II

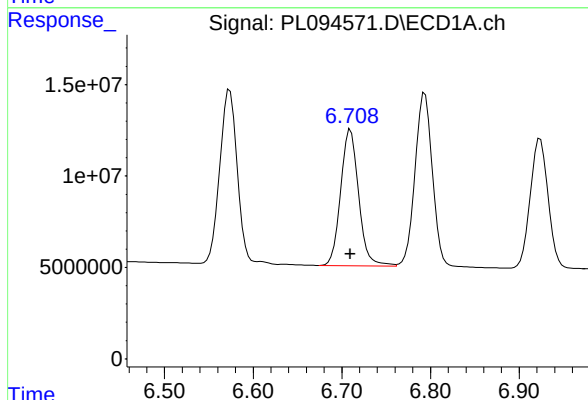
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 128973277
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



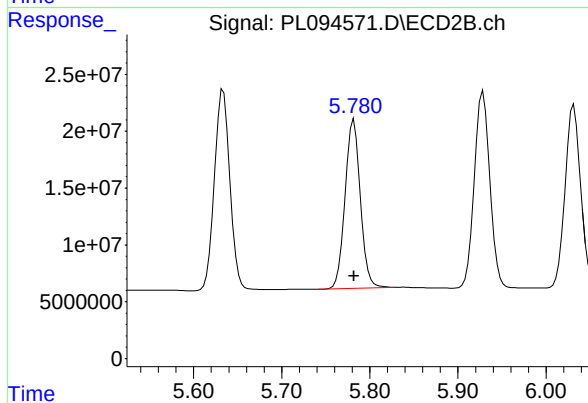
#15 Endosulfan II

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



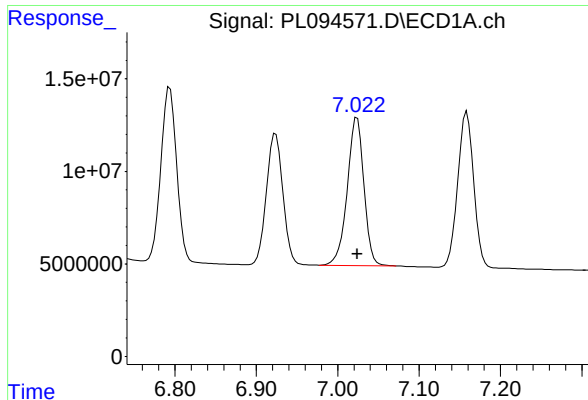
#16 4,4'-DDD

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



#16 4,4'-DDD

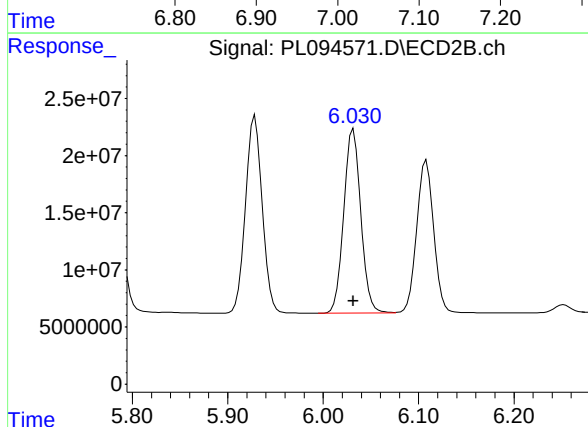
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 179139916
Conc: 50.00 ng/ml



#17 4,4'-DDT

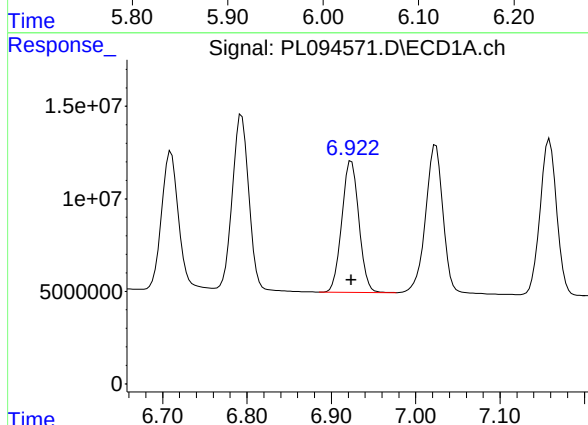
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114135799
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



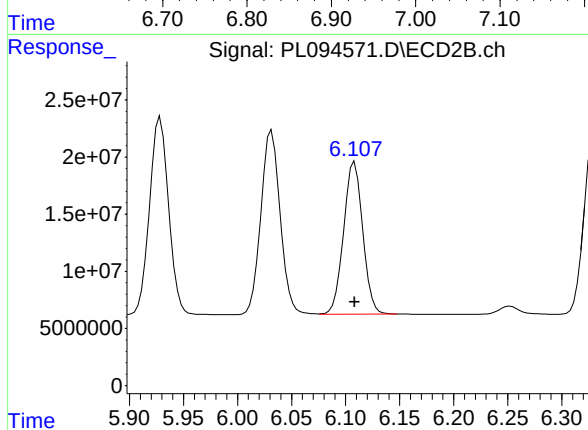
#17 4,4'-DDT

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



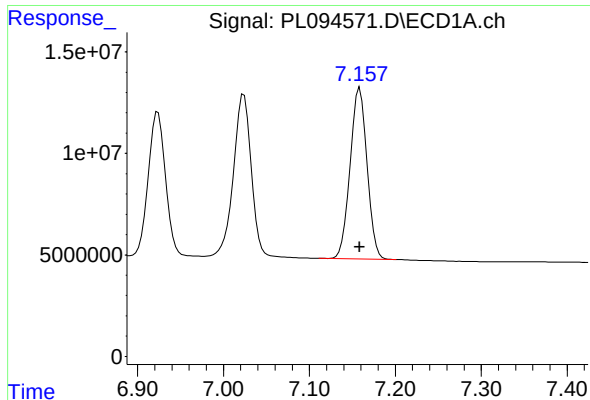
#18 Endrin aldehyde

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



#18 Endrin aldehyde

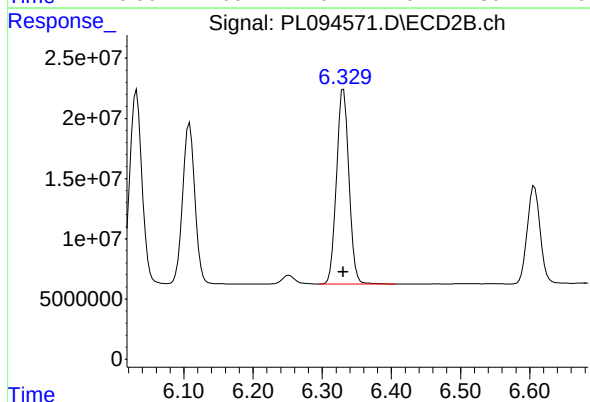
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 163954531
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

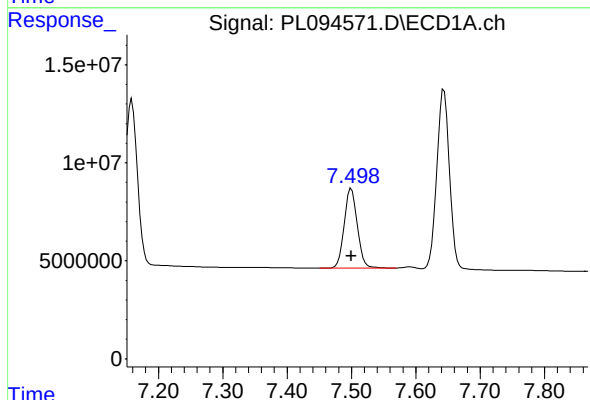
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 114763710
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



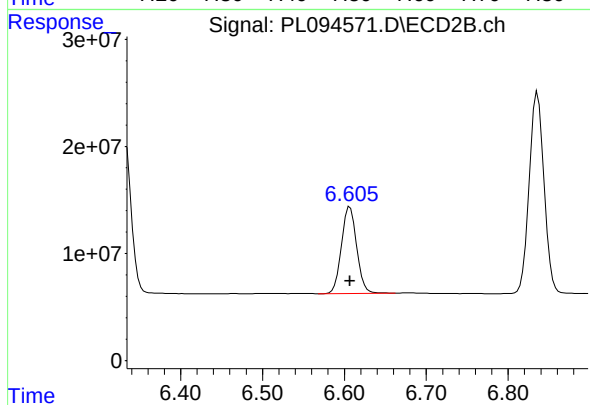
#19 Endosulfan Sulfate

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



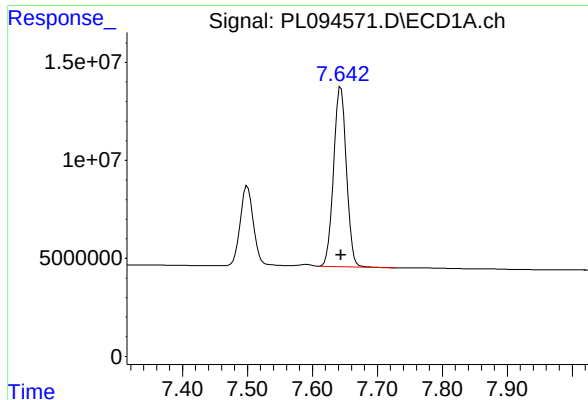
#20 Methoxychlor

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



#20 Methoxychlor

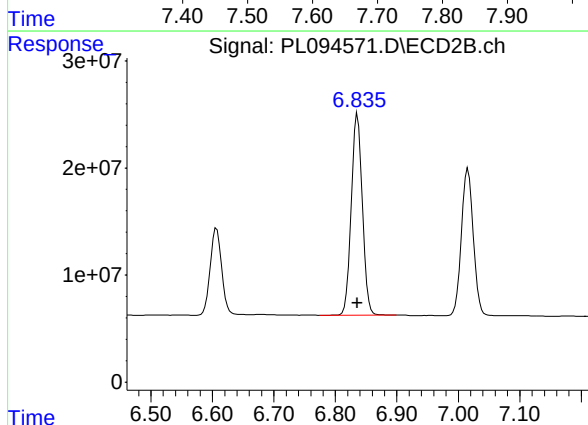
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 104967475
Conc: 50.00 ng/ml



#21 Endrin ketone

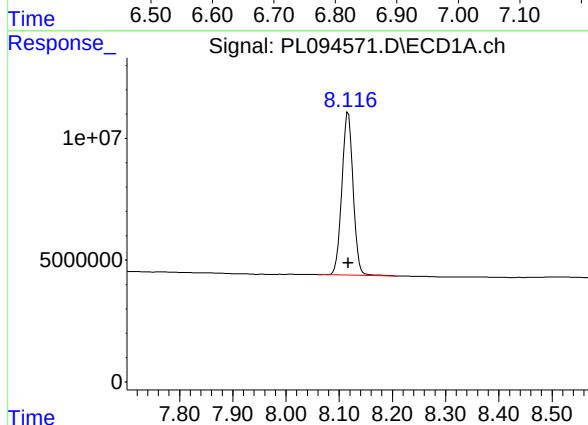
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 125237492
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



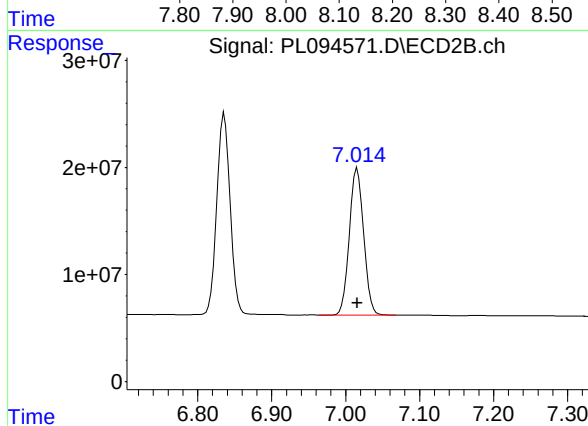
#21 Endrin ketone

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



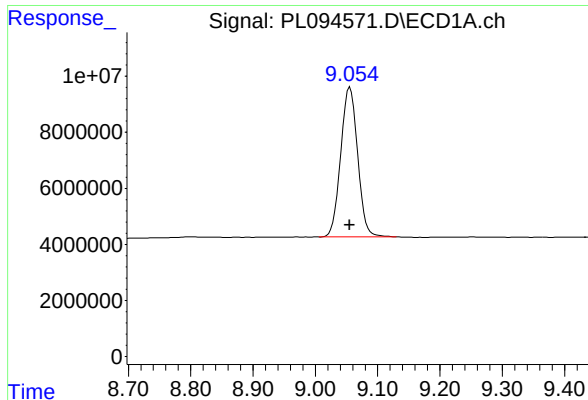
#22 Mirex

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



#22 Mirex

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

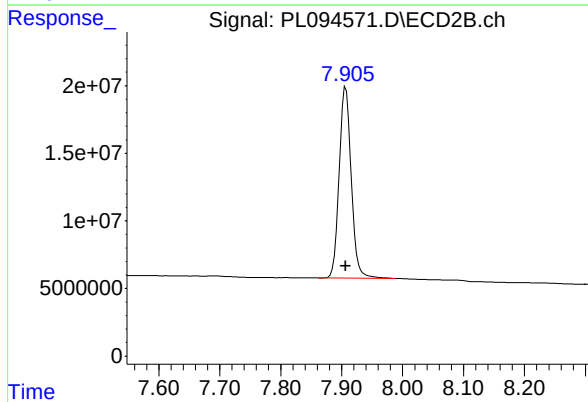


#28 Decachlorobiphenyl

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	73066671	90599228	26.558	25.492
28) SA Decachlor...	9.055	7.907	54905551	102.4E6	27.058	25.890
Target Compounds						
2) A alpha-BHC	3.994	3.274	105.2E6	134.6E6	25.874	24.443
3) MA gamma-BHC...	4.327	3.604	101.5E6	126.8E6	26.009	24.372
4) MA Heptachlor	4.914	3.942	99149732	131.8E6	26.457	24.959
5) MB Aldrin	5.256	4.221	94187974	120.4E6	26.402	24.569
6) B beta-BHC	4.526	3.904	48079996	56269720	27.369	25.667
7) B delta-BHC	4.773	4.133	98323171	123.6E6	26.102	24.383
8) B Heptachlo...	5.683	4.724	84654368	114.8E6	26.382	25.152
9) A Endosulfan I	6.069	5.094	78452105	109.8E6	26.656	25.025
10) B gamma-Chl...	5.939	4.974	85736945	120.3E6	26.511	24.885
11) B alpha-Chl...	6.018	5.038	84236346	119.0E6	26.614	25.007
12) B 4,4'-DDE	6.192	5.226	75662927	117.7E6	26.403	25.252
13) MA Dieldrin	6.343	5.358	81751323	121.7E6	26.614	24.964
14) MA Endrin	6.573	5.633	70271451	108.3E6	26.492	24.865
15) B Endosulfa...	6.794	5.928	69950473	108.6E6	26.949	25.271
16) A 4,4'-DDD	6.709	5.781	55973758	88985458	26.562	24.571
17) MA 4,4'-DDT	7.024	6.031	61047291	100.3E6	26.444	24.621
18) B Endrin al...	6.924	6.108	54068010	84742965	27.140	25.673
19) B Endosulfa...	7.158	6.330	62993381	101.9E6	27.252	25.152
20) A Methoxychlor	7.499	6.606	31898493	53888956	27.254	25.571
21) B Endrin ke...	7.644	6.836	68364354	121.7E6	26.773	25.550
22) Mirex	8.116	7.015	54255455	97357778	27.632	26.224

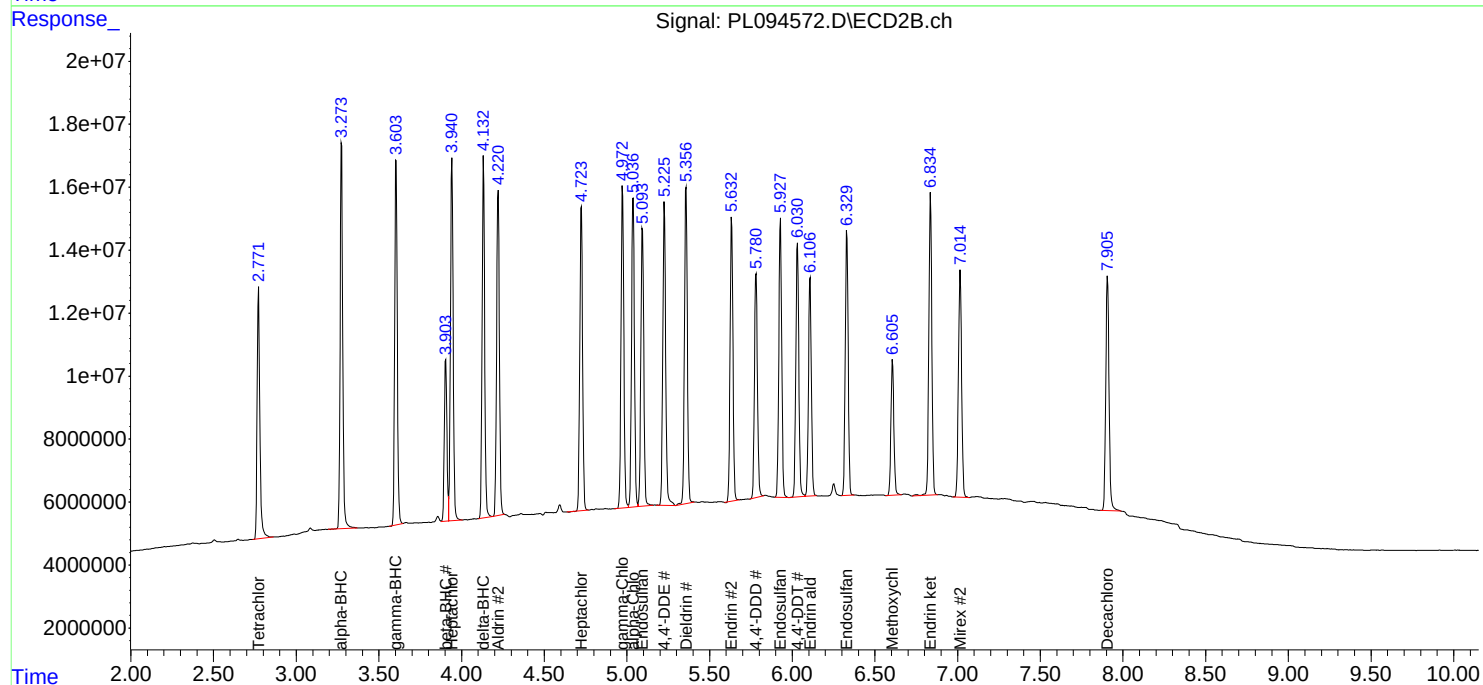
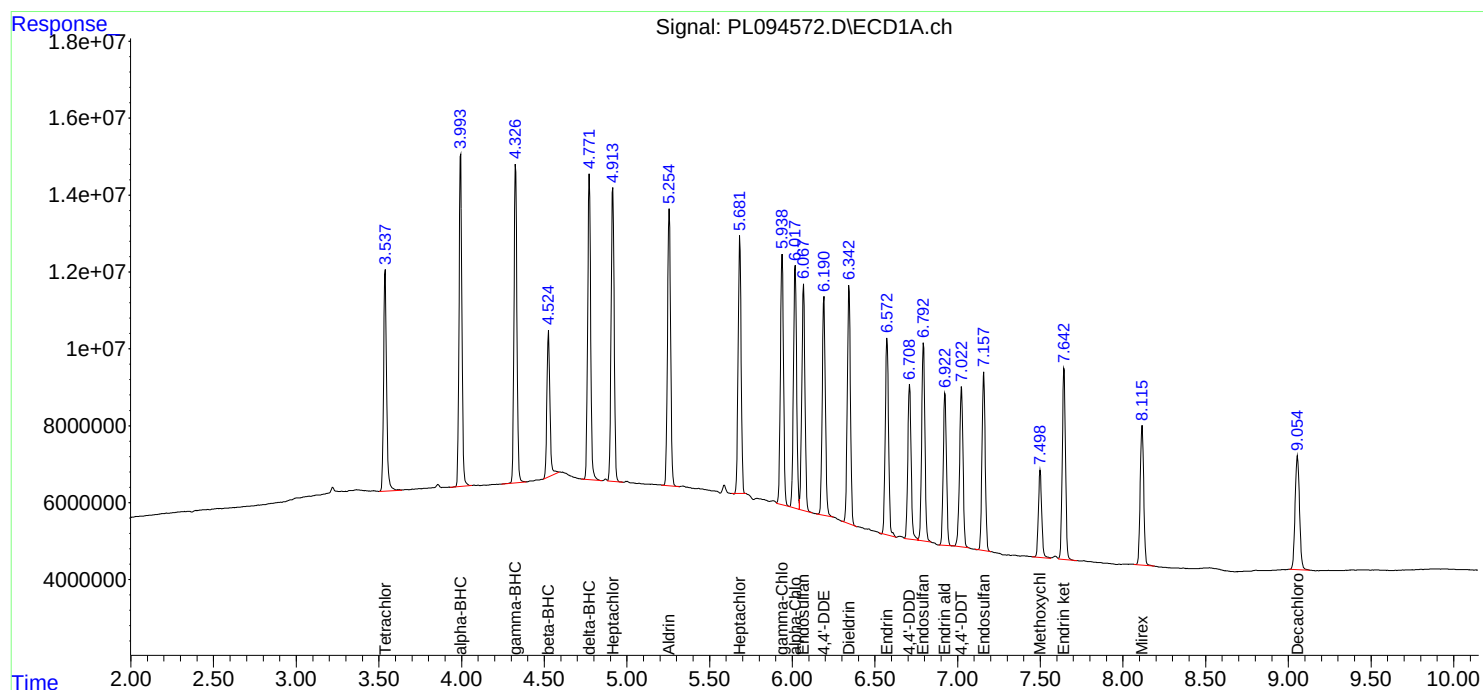
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

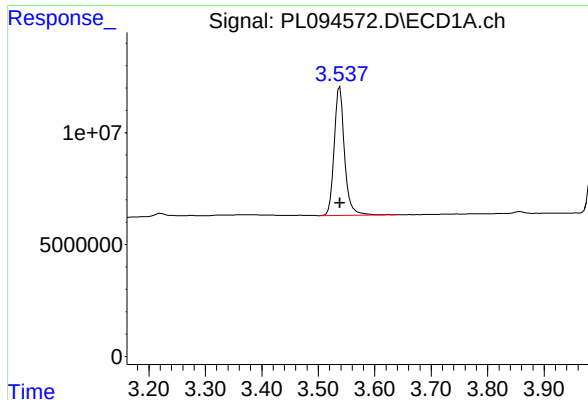
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

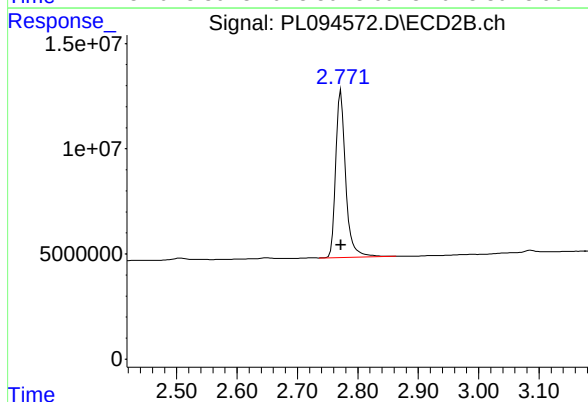




#1 Tetrachloro-m-xylene

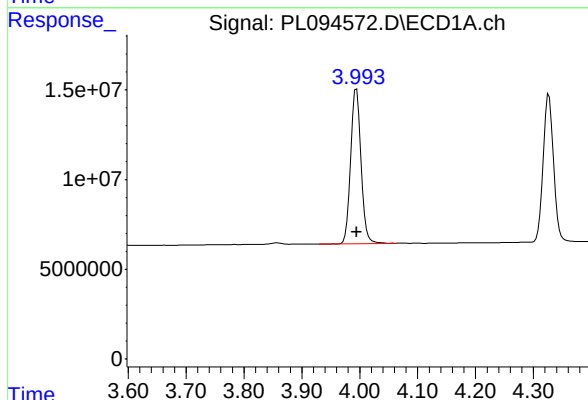
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 73066671
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



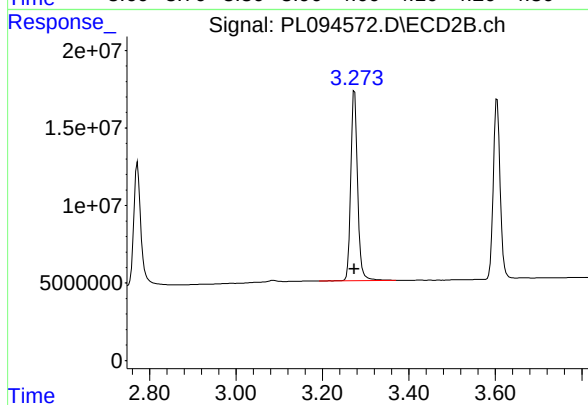
#1 Tetrachloro-m-xylene

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



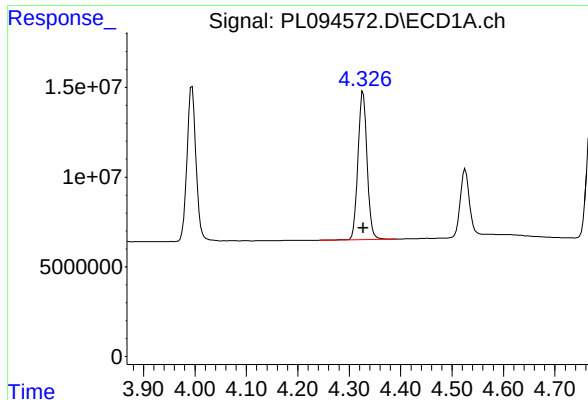
#2 alpha-BHC

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



#2 alpha-BHC

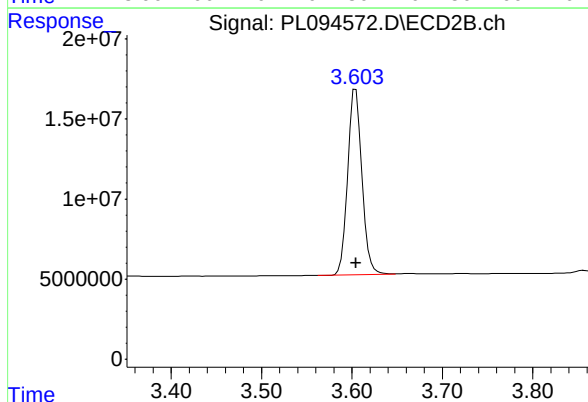
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 134567621
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

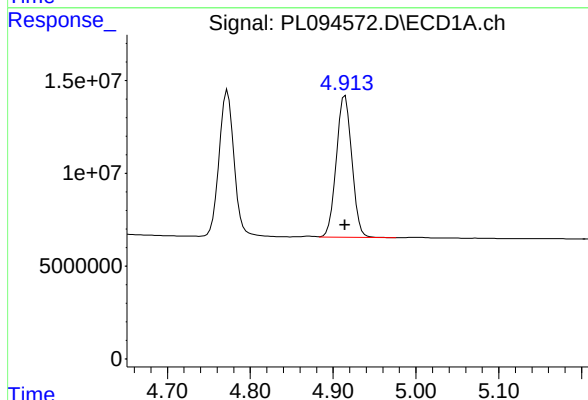
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 101519263
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



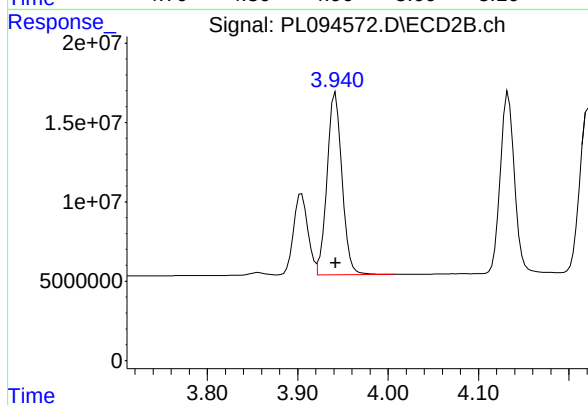
#3 gamma-BHC (Lindane)

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



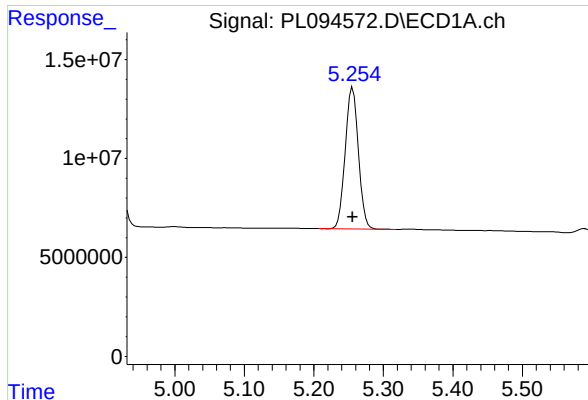
#4 Heptachlor

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



#4 Heptachlor

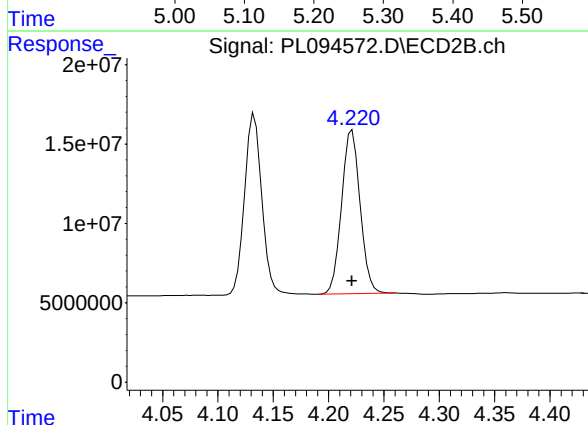
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 131830585
Conc: 24.96 ng/ml



#5 Aldrin

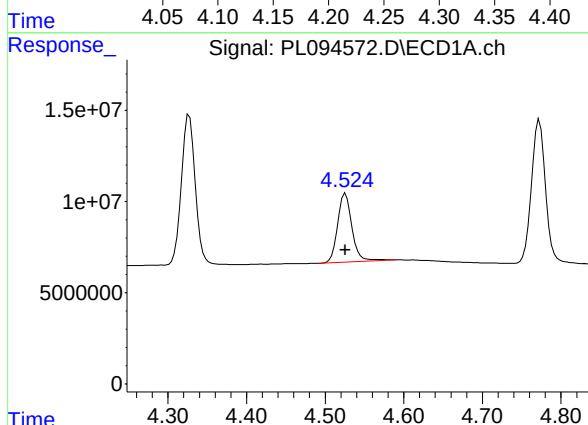
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 94187974
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



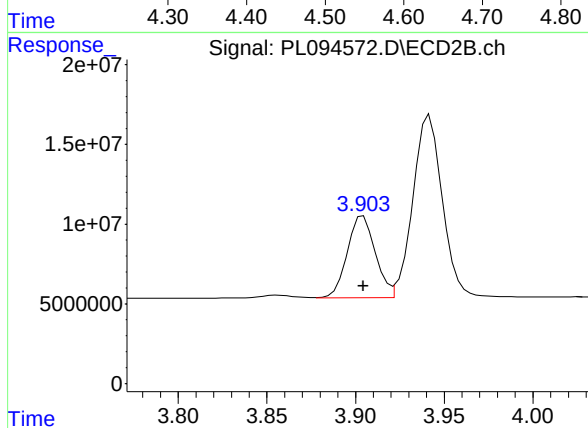
#5 Aldrin

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



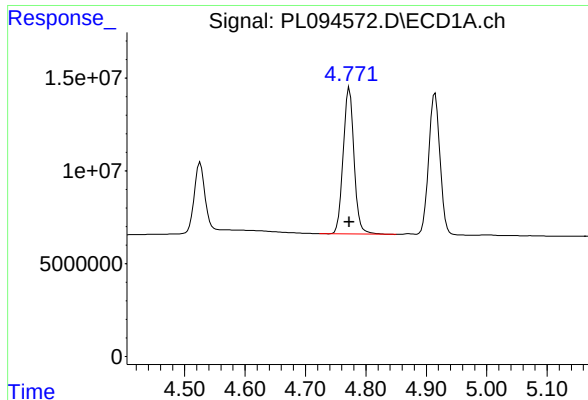
#6 beta-BHC

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



#6 beta-BHC

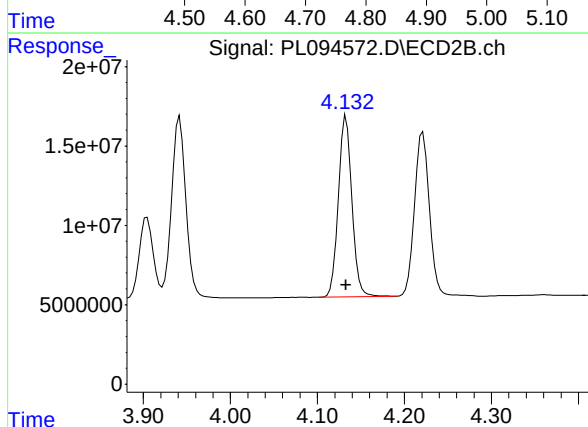
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 56269720
Conc: 25.67 ng/ml



#7 delta-BHC

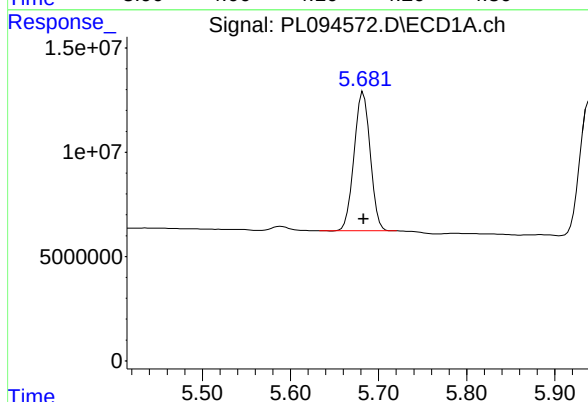
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98323171
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



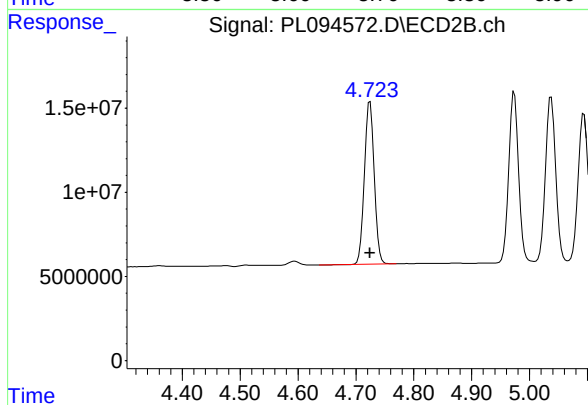
#7 delta-BHC

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



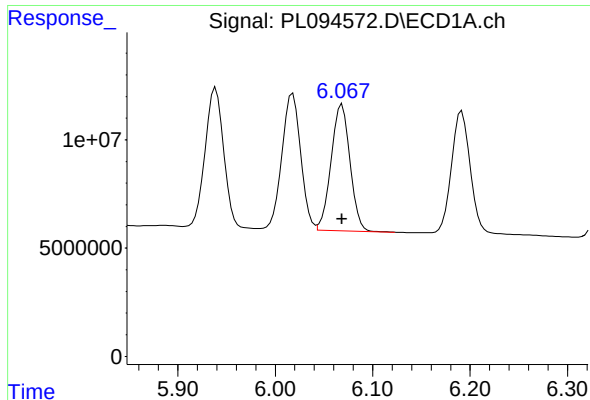
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

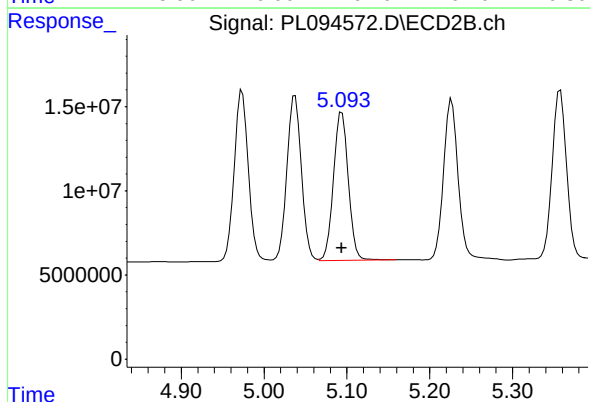
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 114828282
Conc: 25.15 ng/ml



#9 Endosulfan I

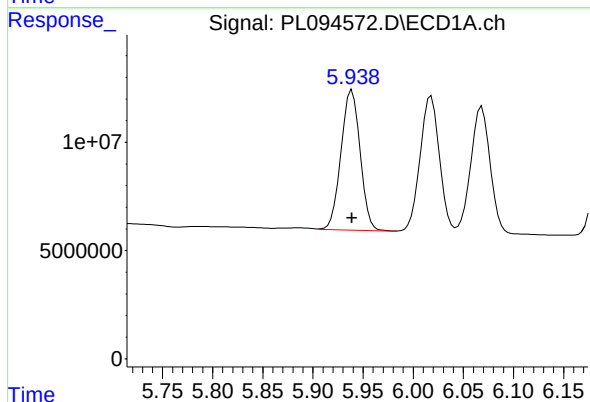
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 78452105
Conc: 26.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



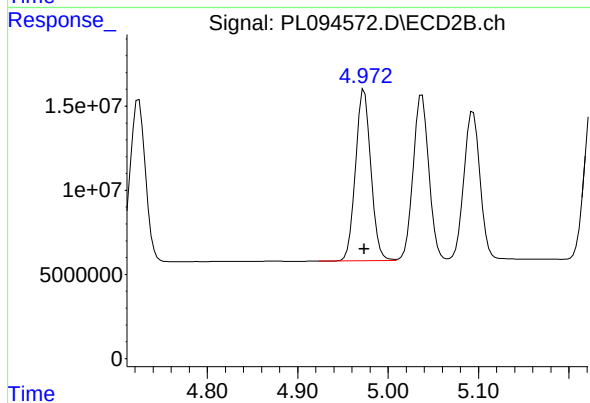
#9 Endosulfan I

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



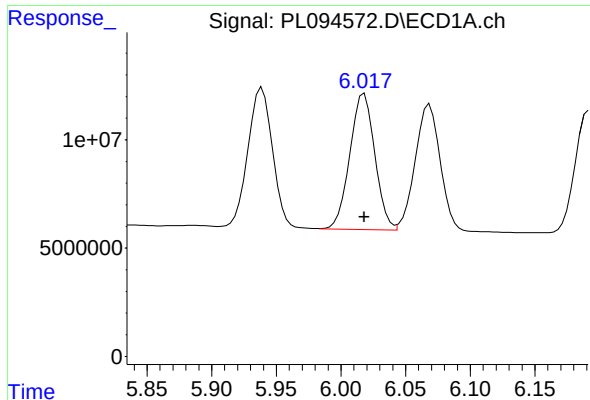
#10 gamma-Chlordane

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



#10 gamma-Chlordane

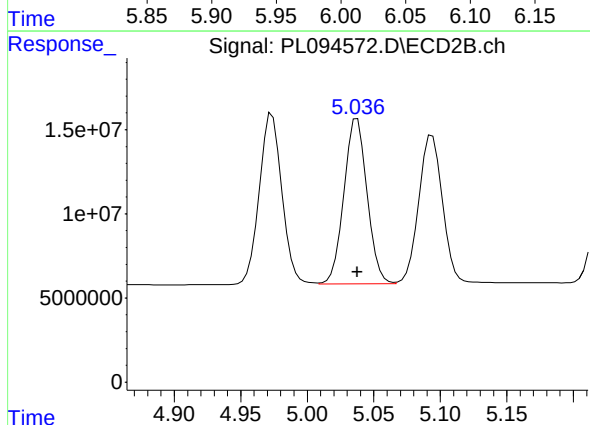
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 120286873
Conc: 24.88 ng/ml



#11 alpha-Chlordane

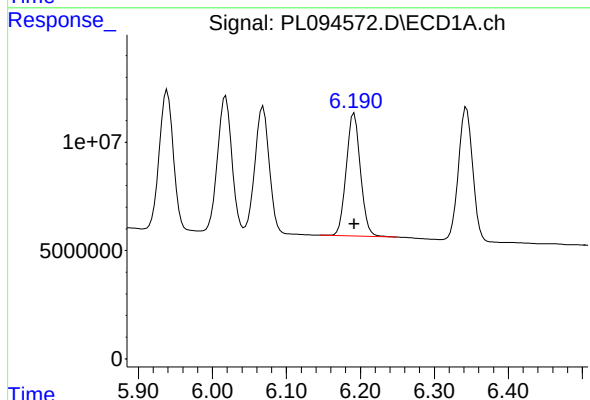
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 84236346
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



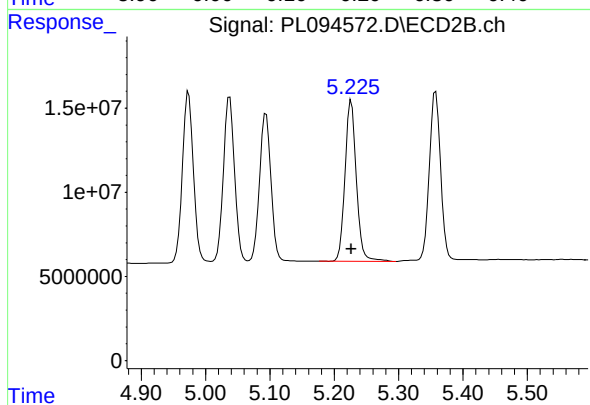
#11 alpha-Chlordane

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



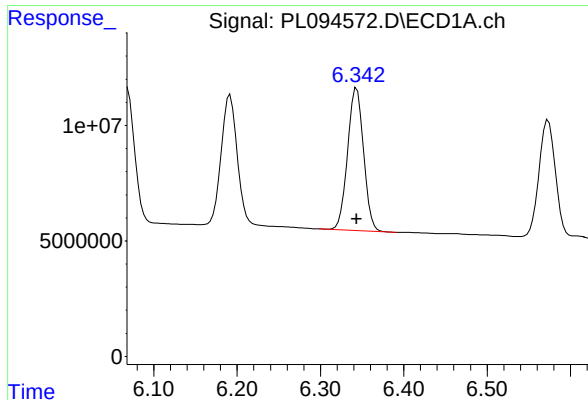
#12 4,4'-DDE

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



#12 4,4'-DDE

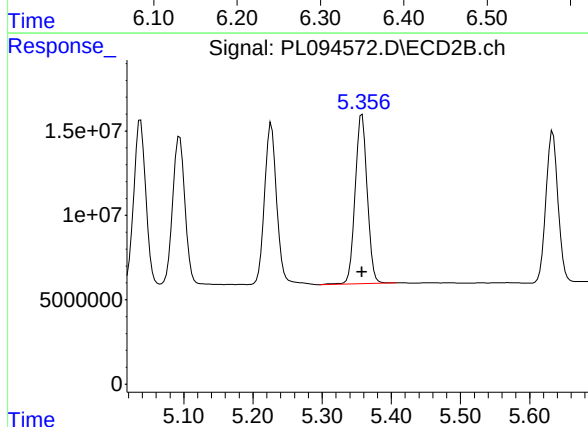
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 117694938
Conc: 25.25 ng/ml



#13 Dieldrin

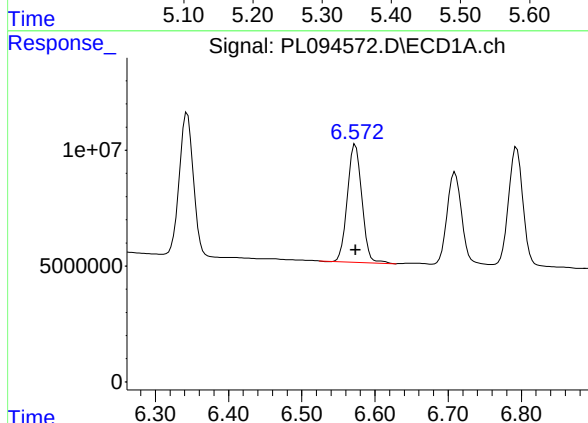
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 81751323
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



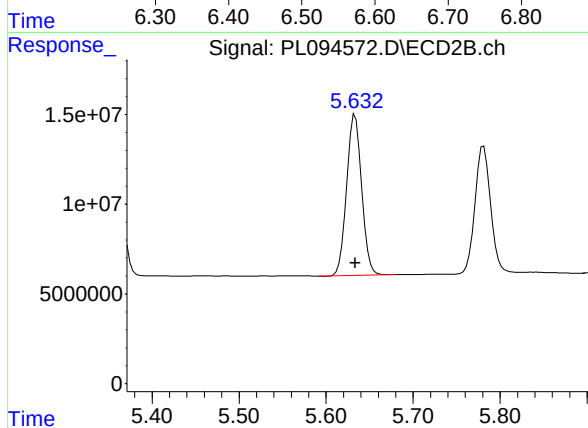
#13 Dieldrin

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



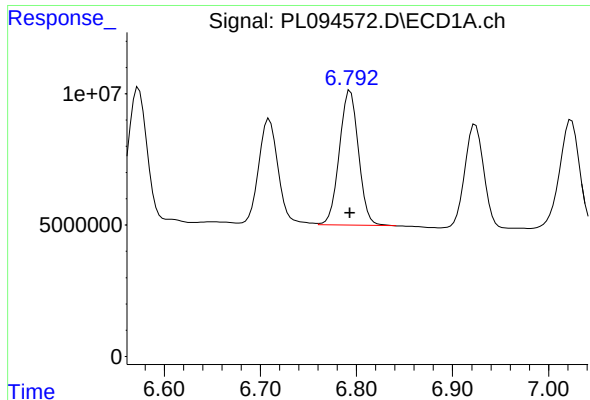
#14 Endrin

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



#14 Endrin

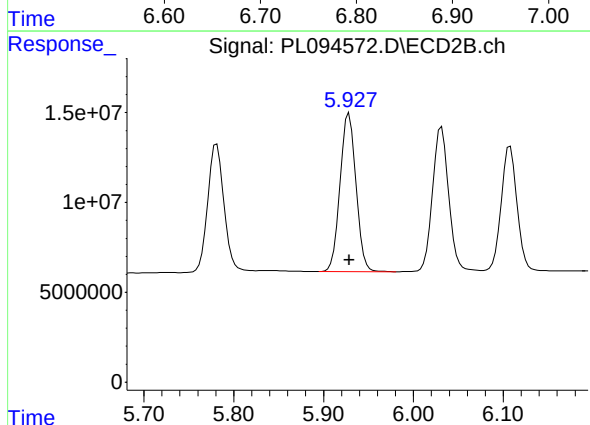
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 108262899
Conc: 24.86 ng/ml



#15 Endosulfan II

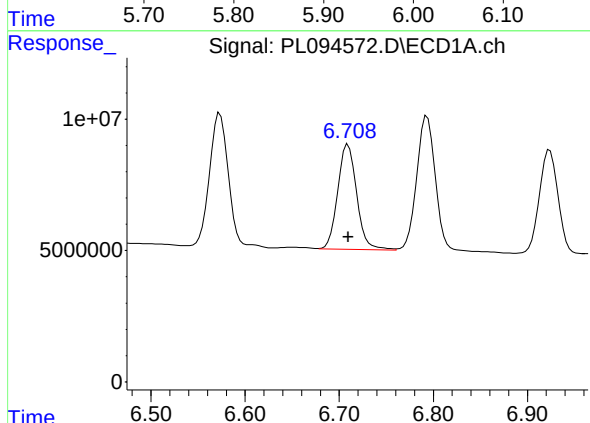
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 69950473
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



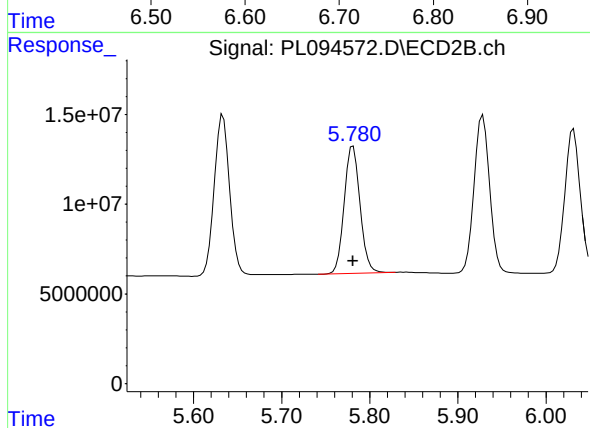
#15 Endosulfan II

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



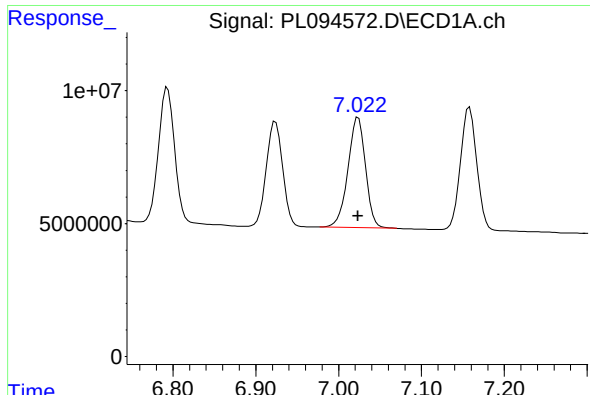
#16 4,4'-DDD

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



#16 4,4'-DDD

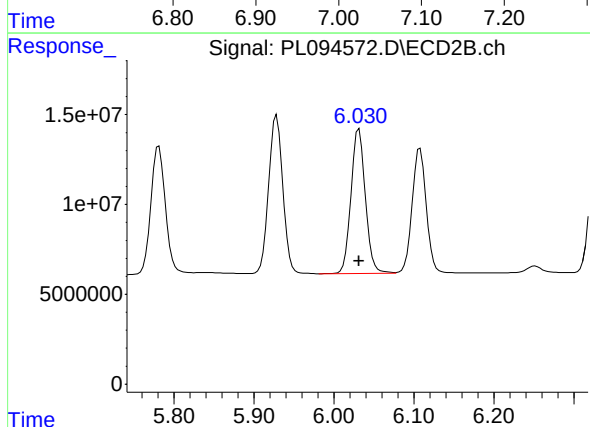
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 88985458
Conc: 24.57 ng/ml



#17 4,4'-DDT

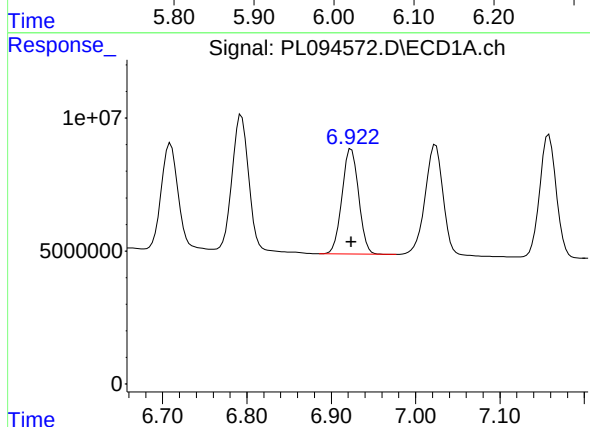
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 61047291
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



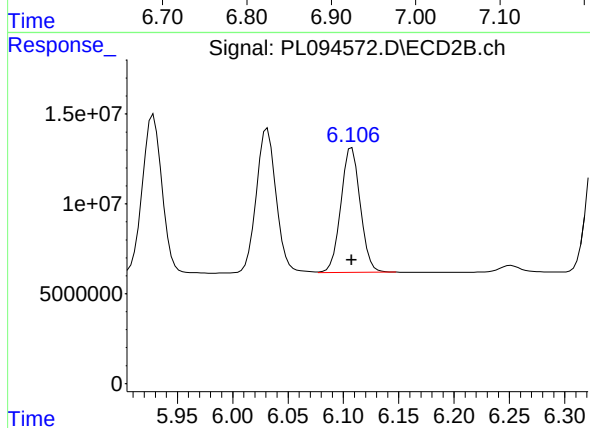
#17 4,4'-DDT

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



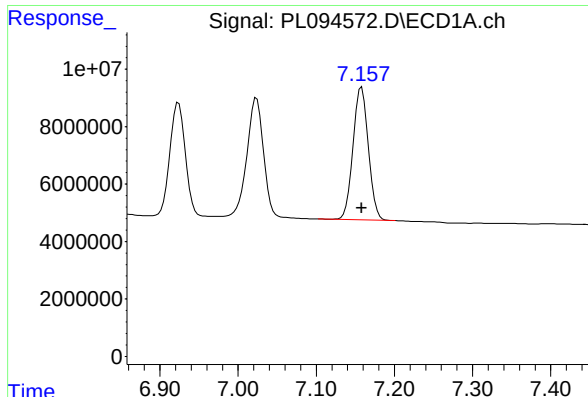
#18 Endrin aldehyde

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



#18 Endrin aldehyde

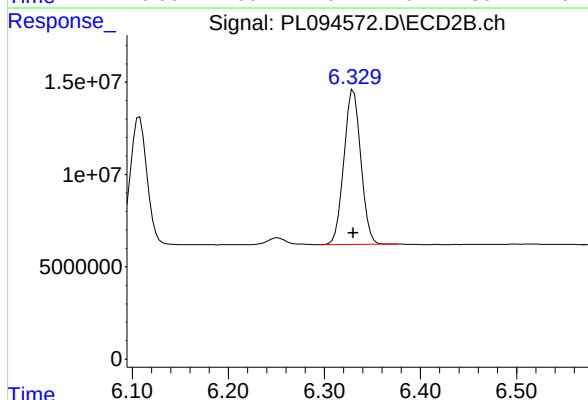
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 84742965
Conc: 25.67 ng/ml



#19 Endosulfan Sulfate

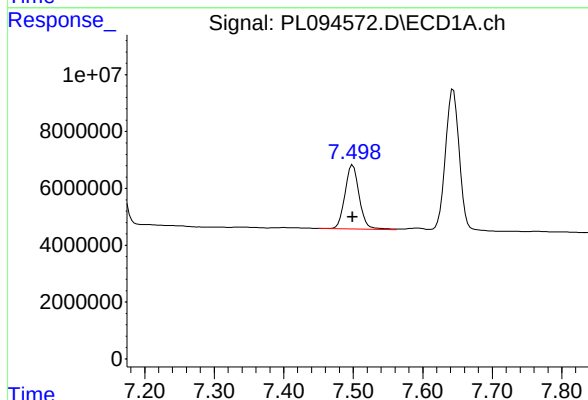
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 62993381
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



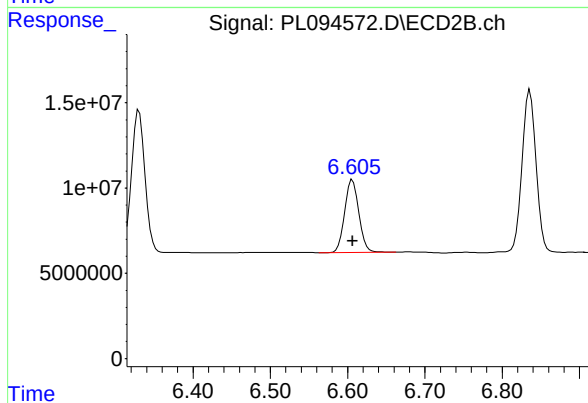
#19 Endosulfan Sulfate

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



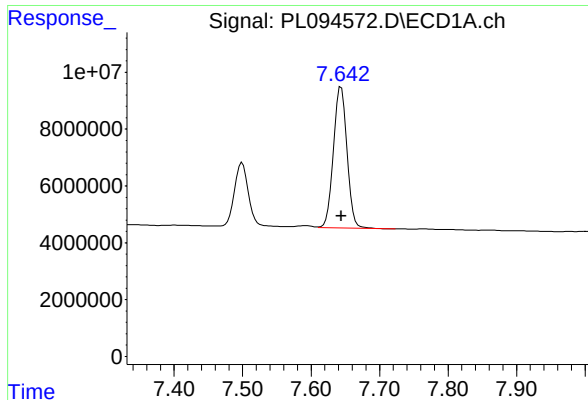
#20 Methoxychlor

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



#20 Methoxychlor

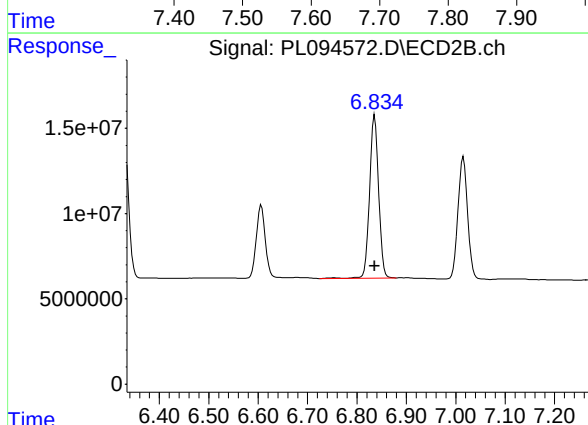
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 53888956
Conc: 25.57 ng/ml



#21 Endrin ketone

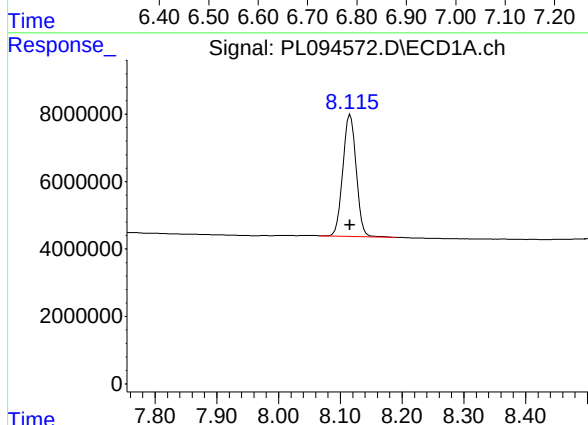
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 68364354
Conc: 26.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



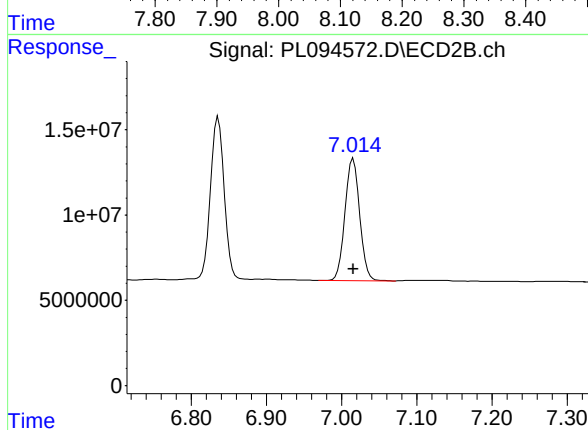
#21 Endrin ketone

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



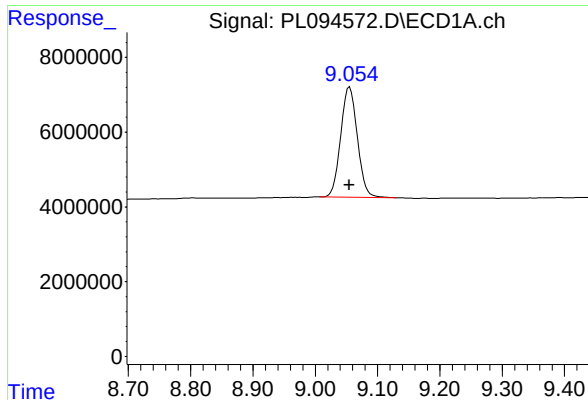
#22 Mirex

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



#22 Mirex

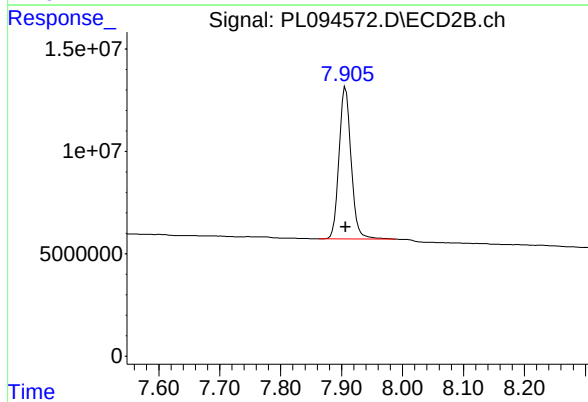
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 97357778
Conc: 26.22 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.224	16237816	22997354	5.519	4.945m
13) MA Dieldrin	6.343	5.356	18519033	23776399	5.791	4.897m
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.835	15012445	24031400	5.679	5.003m
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

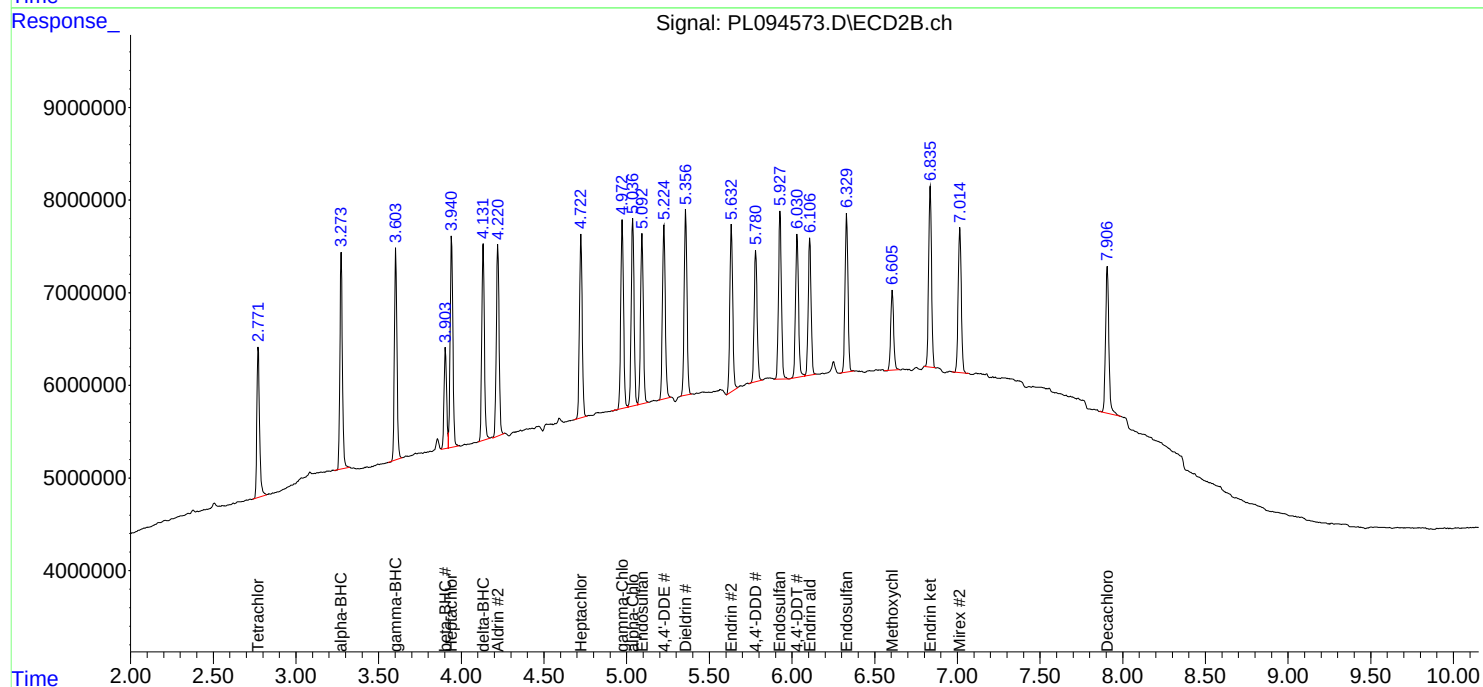
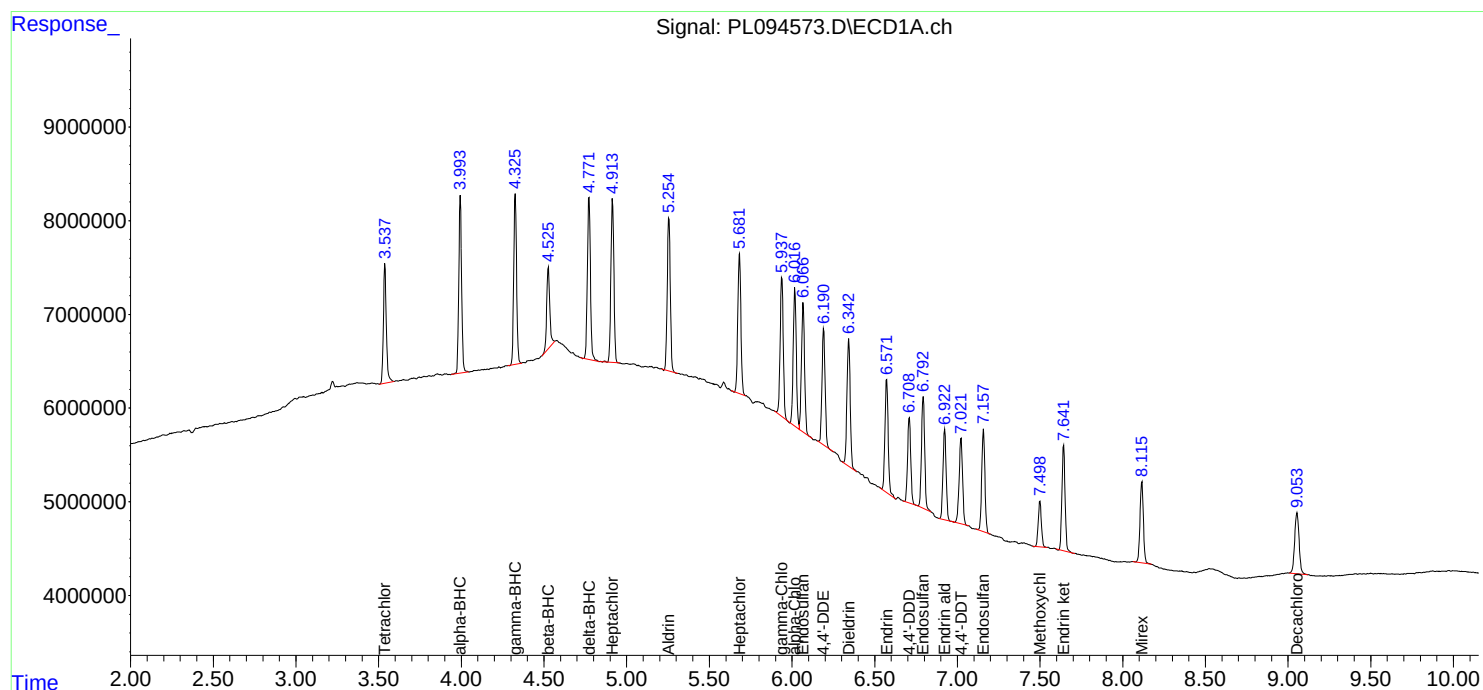
Manual Integrations

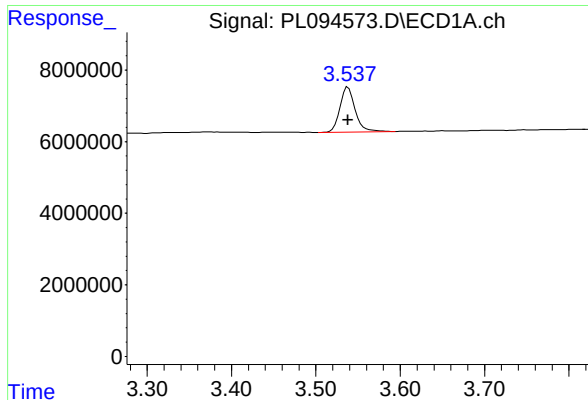
APPROVED

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

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

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





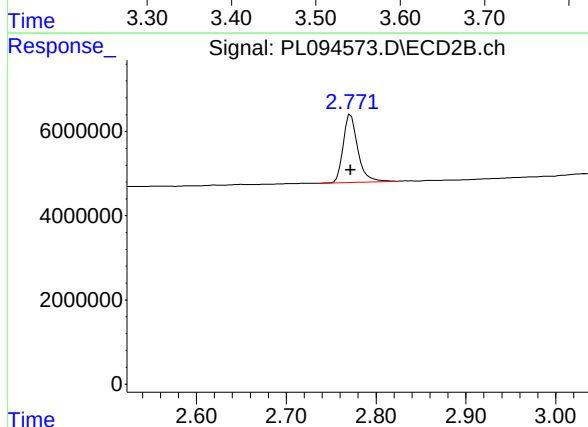
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

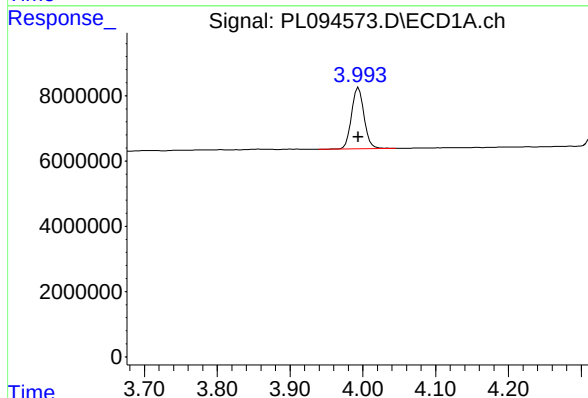
Manual Integrations
APPROVED

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



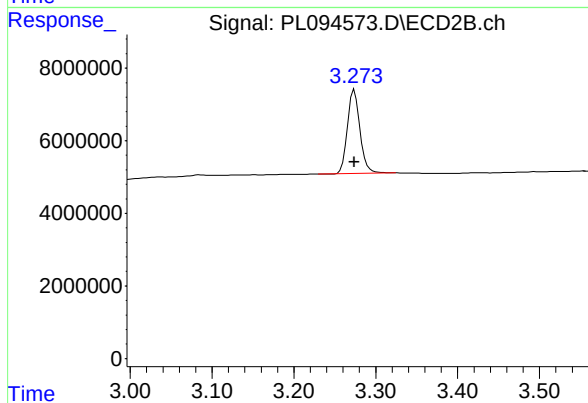
#1 Tetrachloro-m-xylene

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



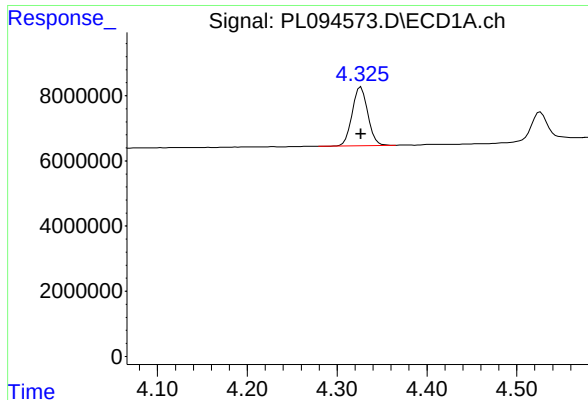
#2 alpha-BHC

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



#2 alpha-BHC

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



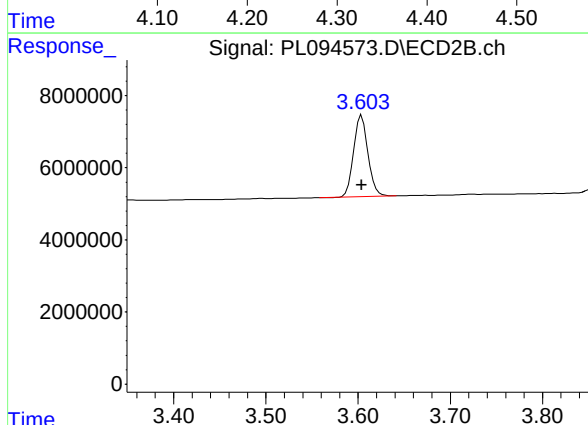
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

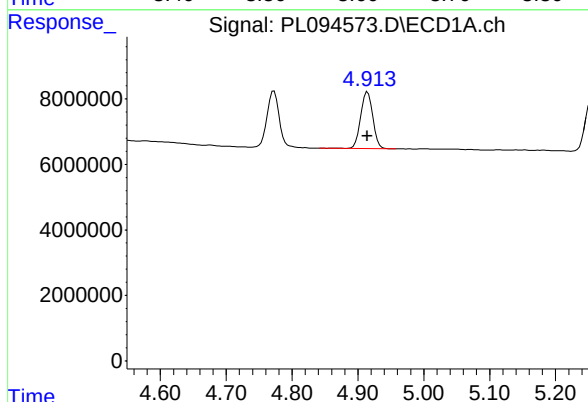
Manual Integrations
APPROVED

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



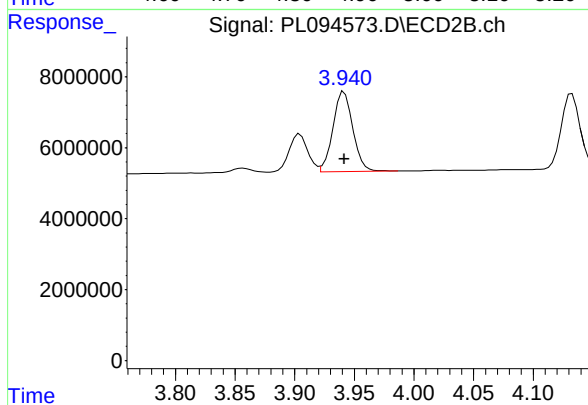
#3 gamma-BHC (Lindane)

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



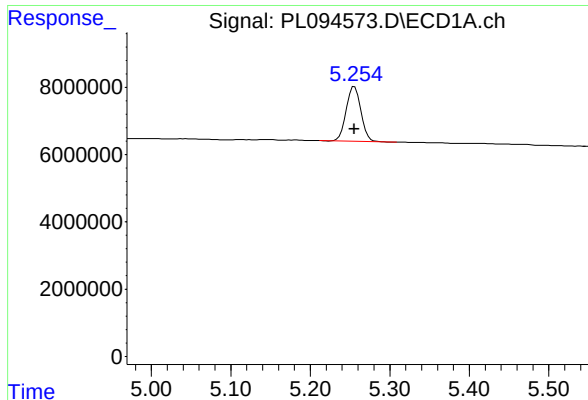
#4 Heptachlor

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



#4 Heptachlor

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



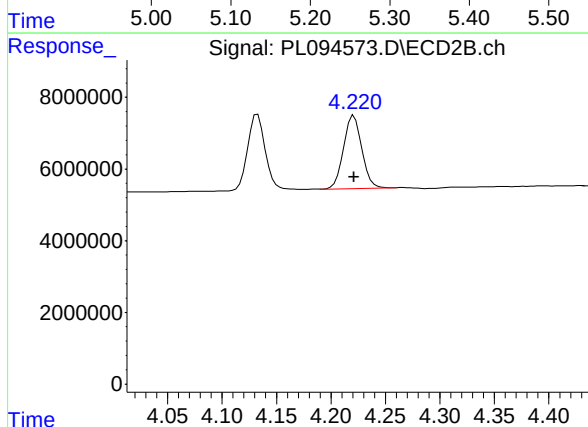
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

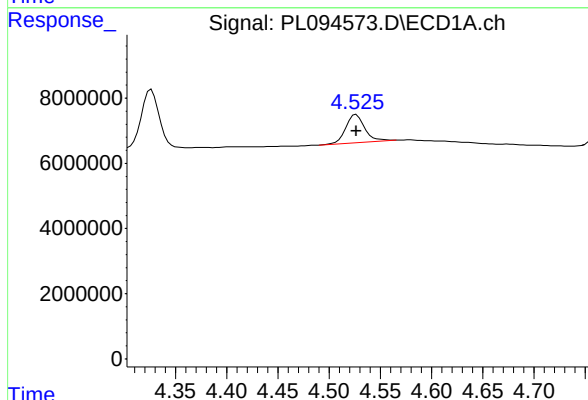
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



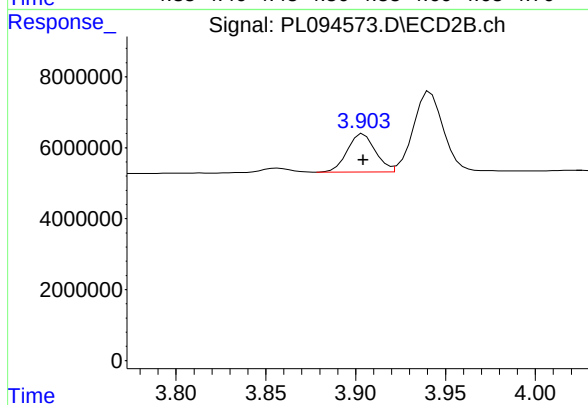
#5 Aldrin

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



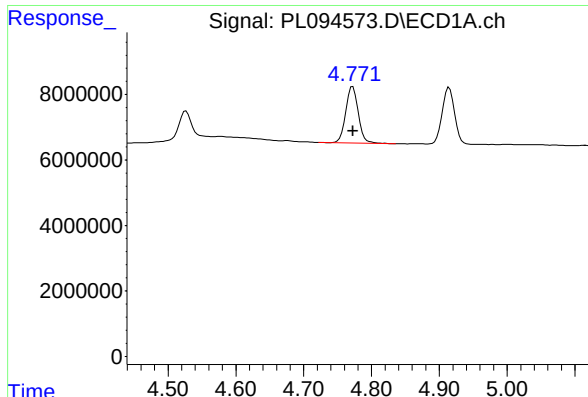
#6 beta-BHC

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



#6 beta-BHC

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



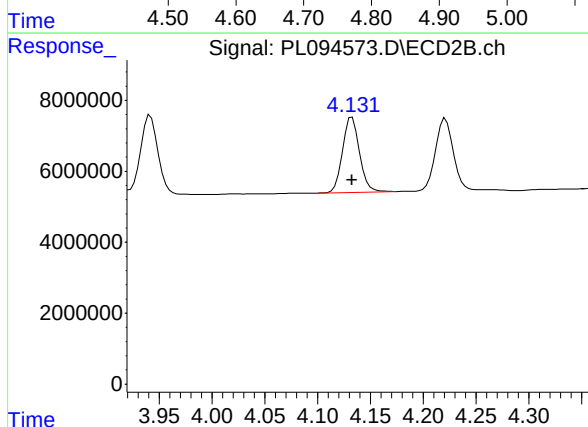
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

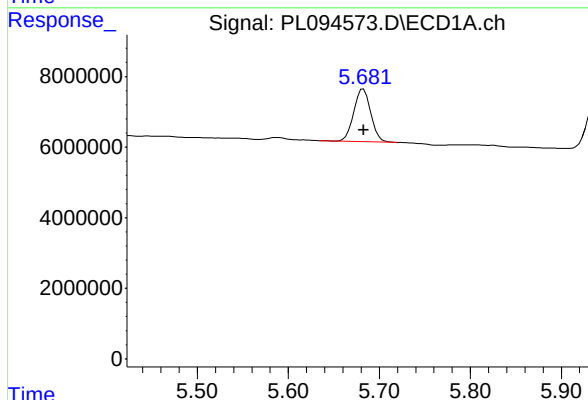
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



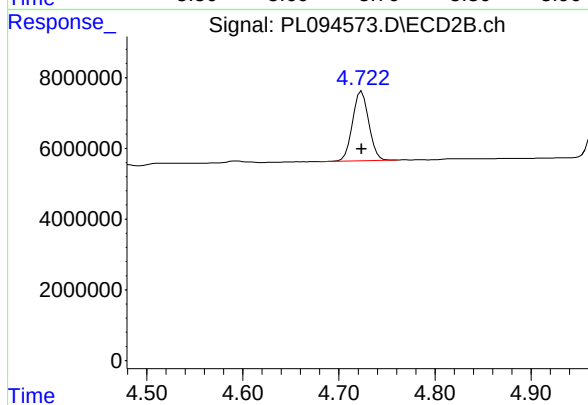
#7 delta-BHC

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



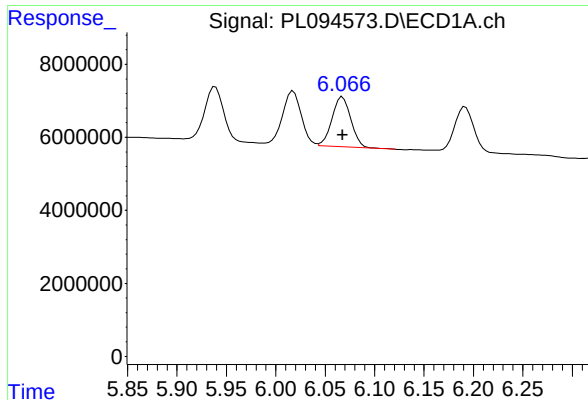
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



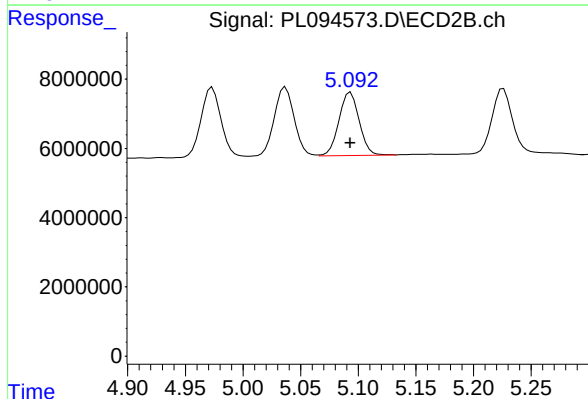
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

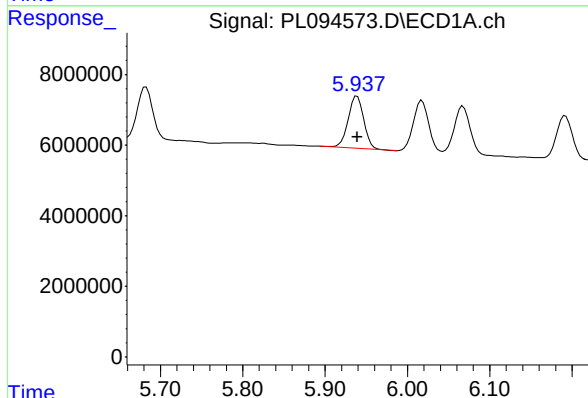
Manual Integrations
APPROVED

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



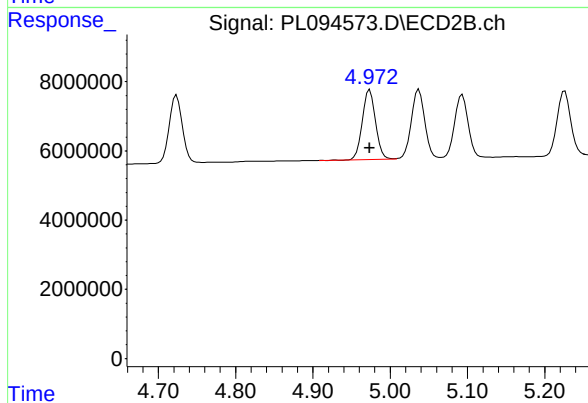
#9 Endosulfan I

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



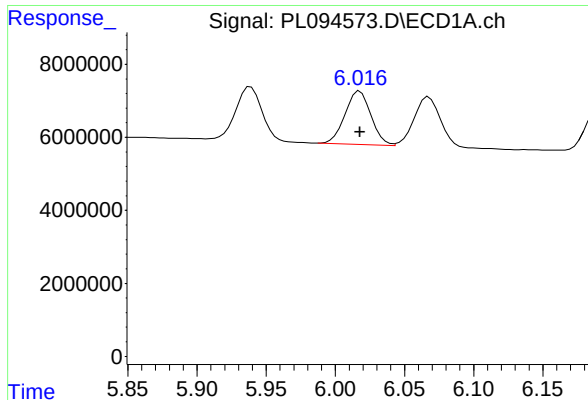
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



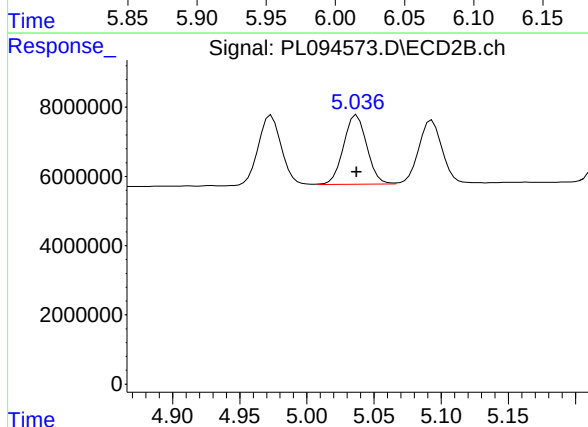
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

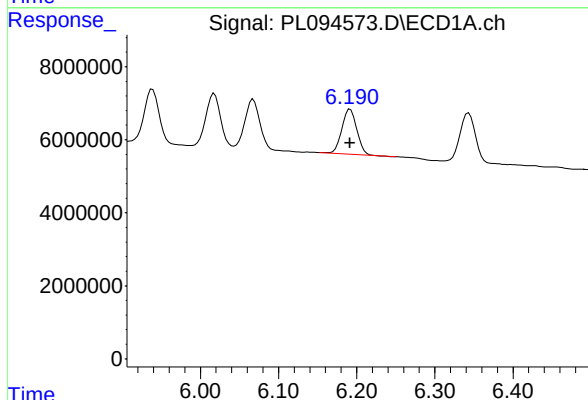
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



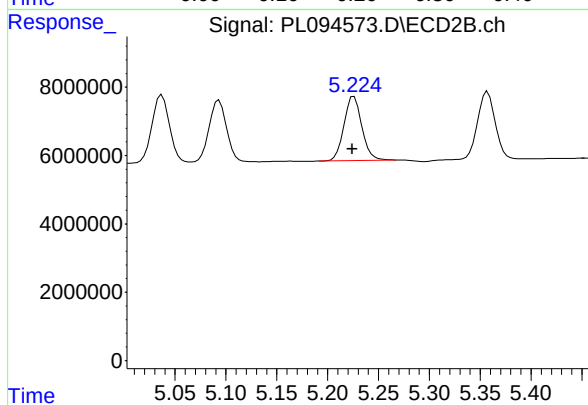
#11 alpha-Chlordane

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



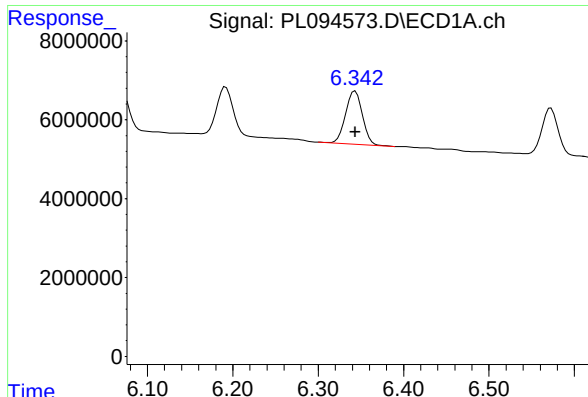
#12 4,4'-DDE

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



#12 4,4'-DDE

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



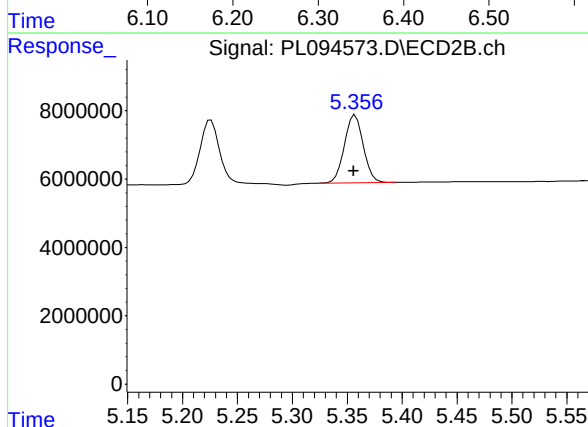
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

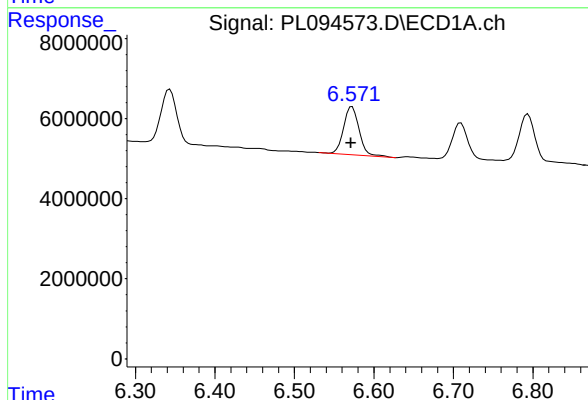
Manual Integrations
APPROVED

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



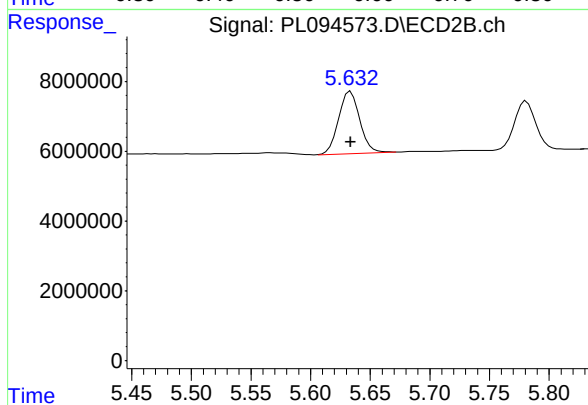
#13 Dieldrin

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



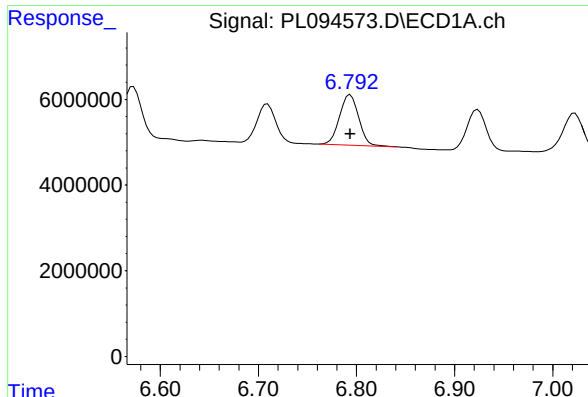
#14 Endrin

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



#14 Endrin

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



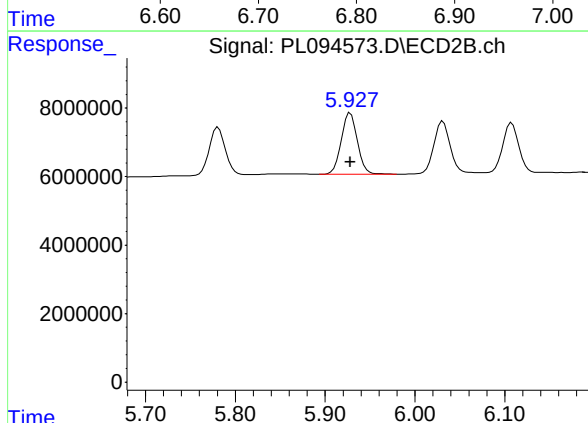
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

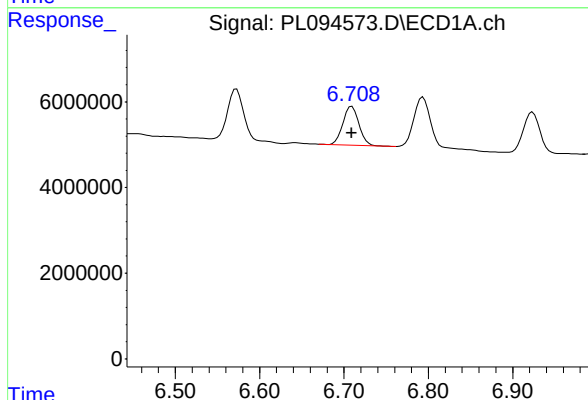
Manual Integrations
APPROVED

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



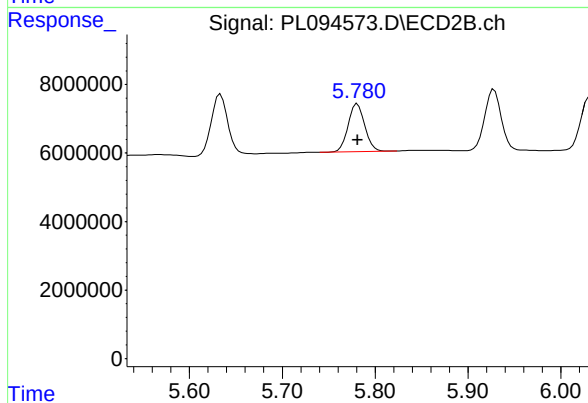
#15 Endosulfan II

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



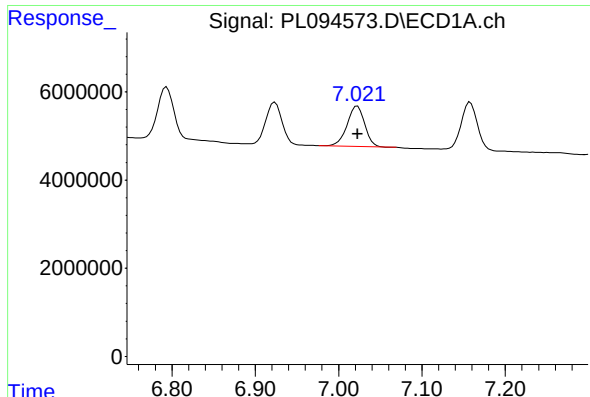
#16 4,4'-DDD

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



#16 4,4'-DDD

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



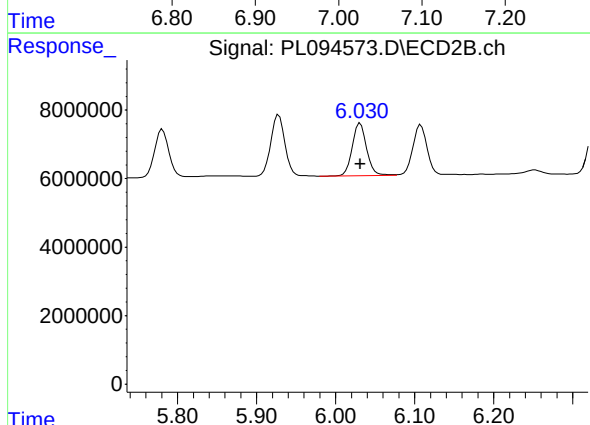
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

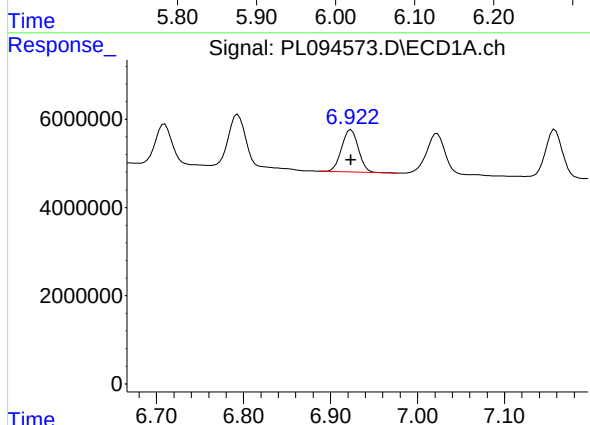
Manual Integrations
APPROVED

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



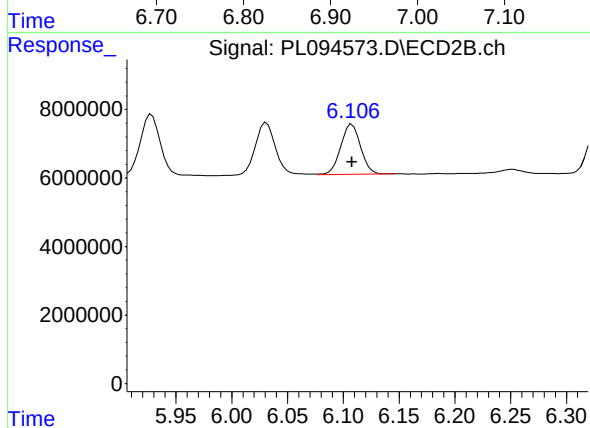
#17 4,4'-DDT

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



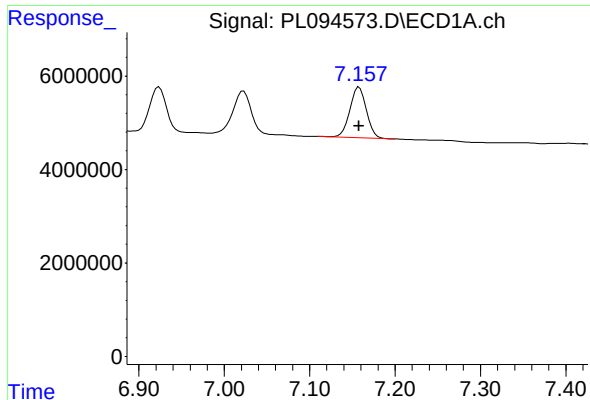
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



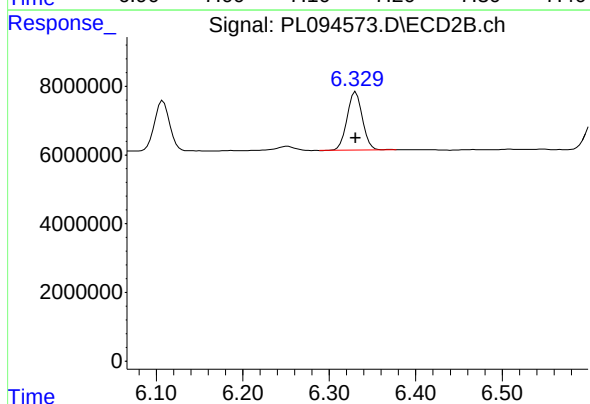
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

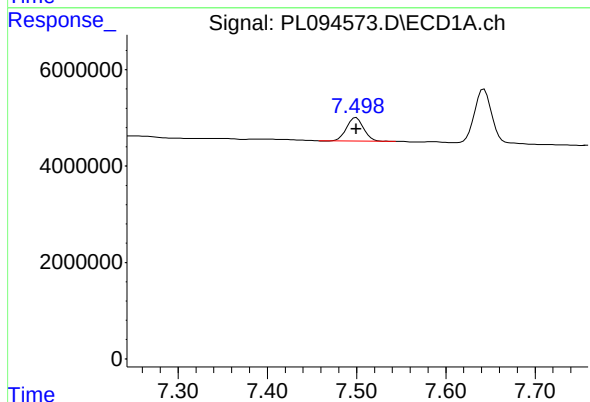
Manual Integrations
APPROVED

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



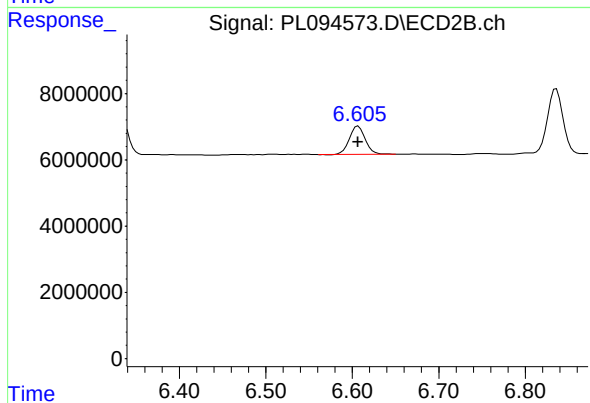
#19 Endosulfan Sulfate

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



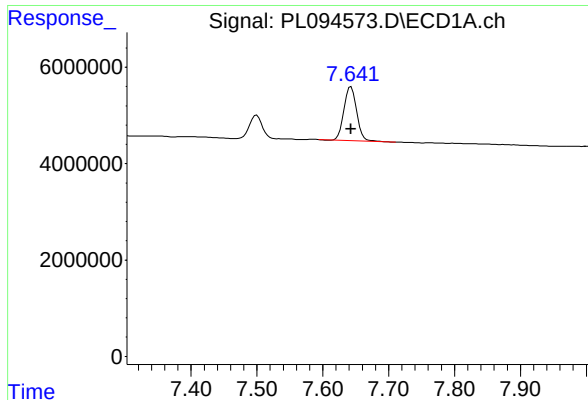
#20 Methoxychlor

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



#20 Methoxychlor

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



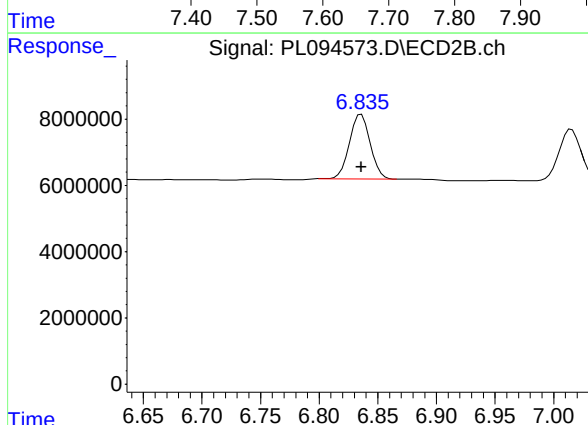
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

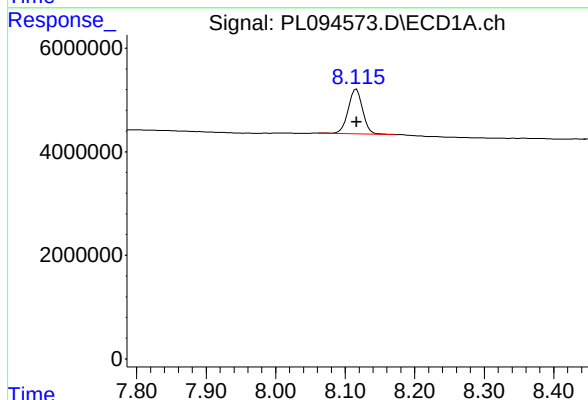
Manual Integrations
APPROVED

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



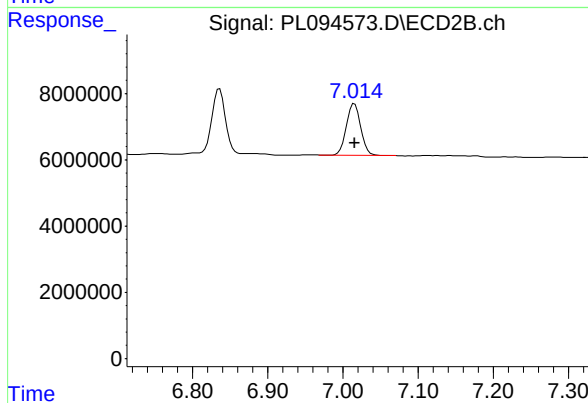
#21 Endrin ketone

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



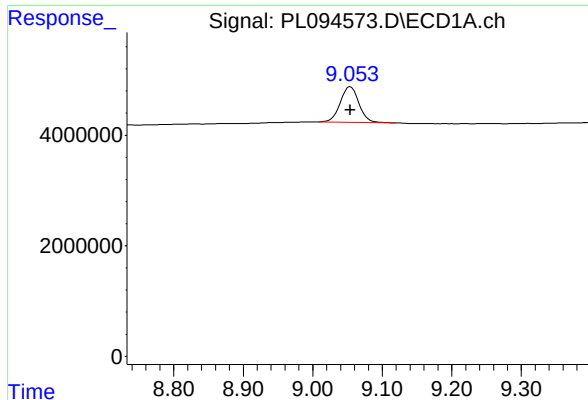
#22 Mirex

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



#22 Mirex

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



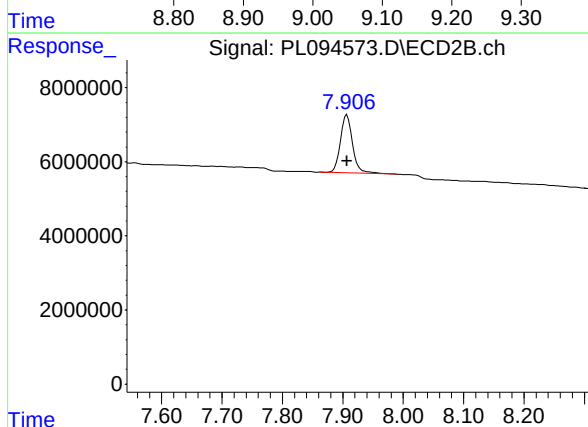
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.771	137.6E6	217.7E6	50.000	50.000
28) SA Decachlor...	9.056	7.907	102.8E6	202.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.768	67315229	74220750	500.000	500.000
24) Chlordane-2	5.229	4.345	72325929	87338022	500.000	500.000
25) Chlordane-3	5.940	4.974	232.4E6	261.3E6	500.000	500.000
26) Chlordane-4	6.022	5.037	273.9E6	257.7E6	500.000	500.000
27) Chlordane-5	6.871	5.933	52243777	93588494	500.000	500.000

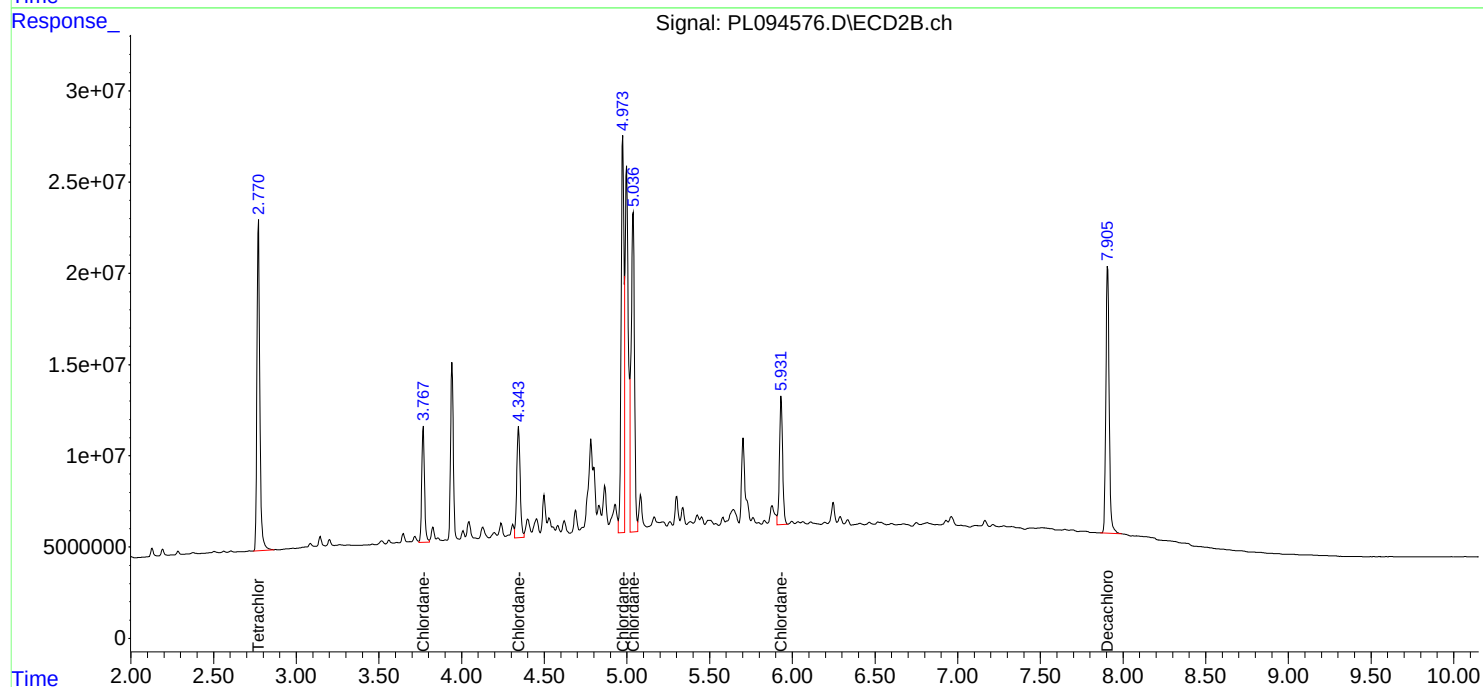
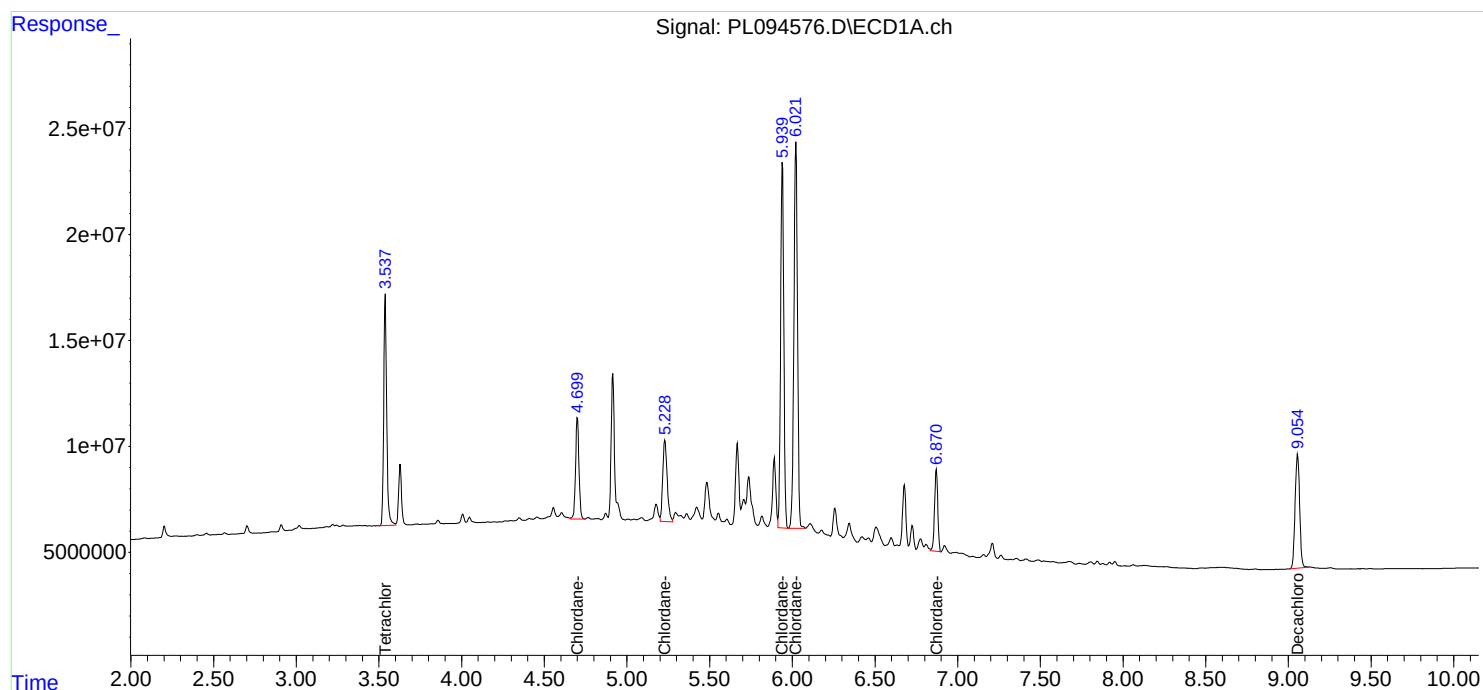
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

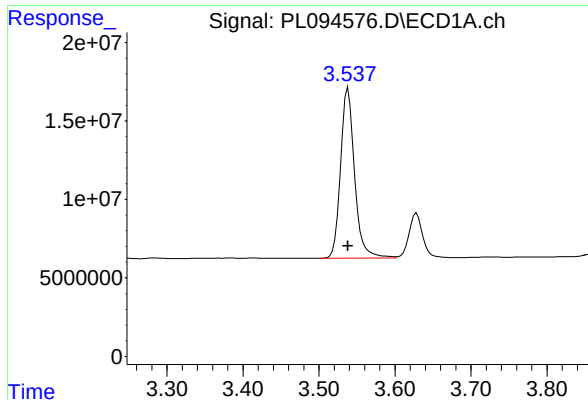
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

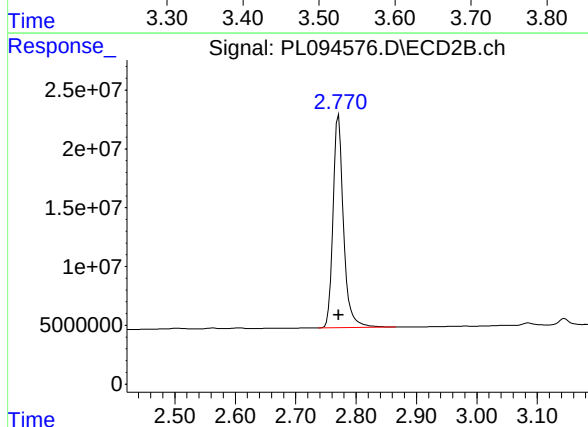




#1 Tetrachloro-m-xylene

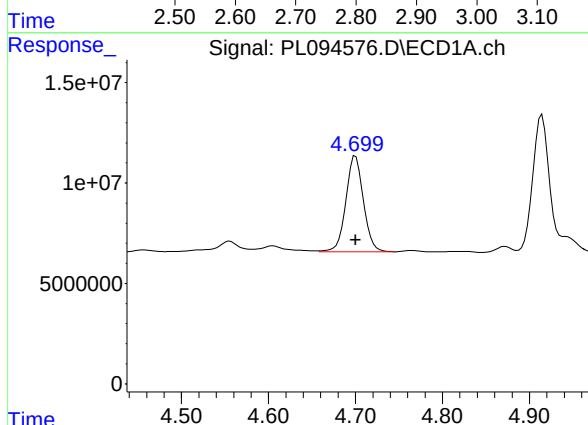
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137550046
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



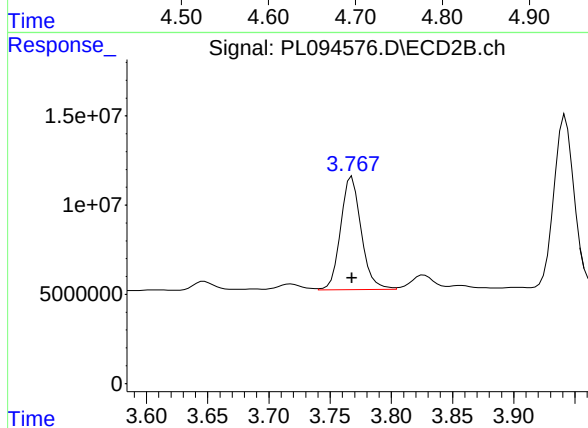
#1 Tetrachloro-m-xylene

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



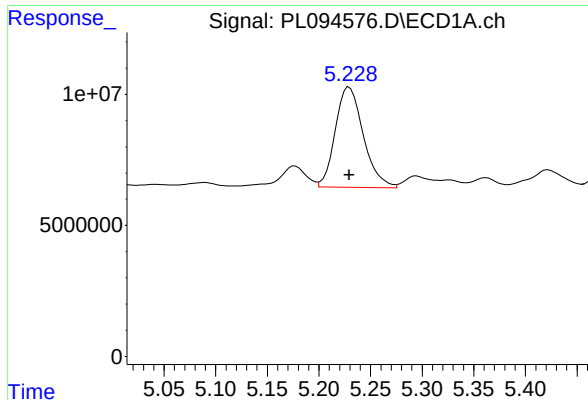
#23 Chlordane-1

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



#23 Chlordane-1

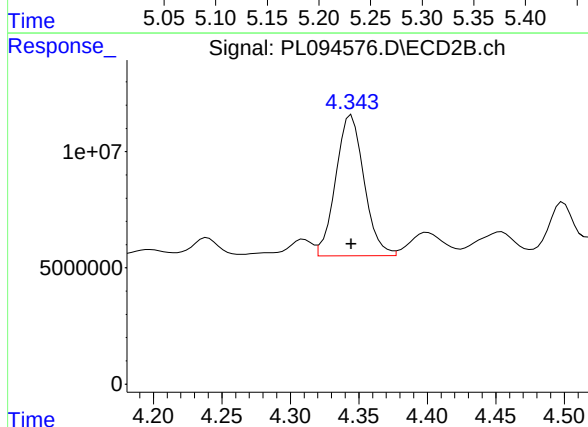
R.T.: 3.768 min
Delta R.T.: 0.000 min
Response: 74220750
Conc: 500.00 ng/ml



#24 Chlordane-2

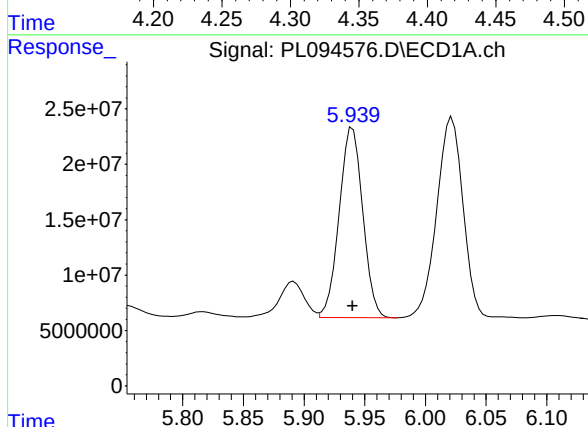
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 72325929
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



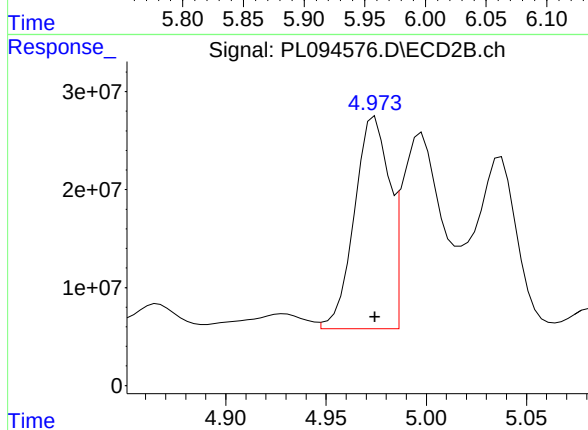
#24 Chlordane-2

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



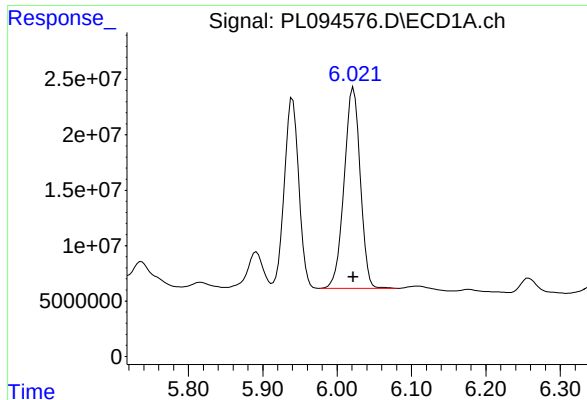
#25 Chlordane-3

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



#25 Chlordane-3

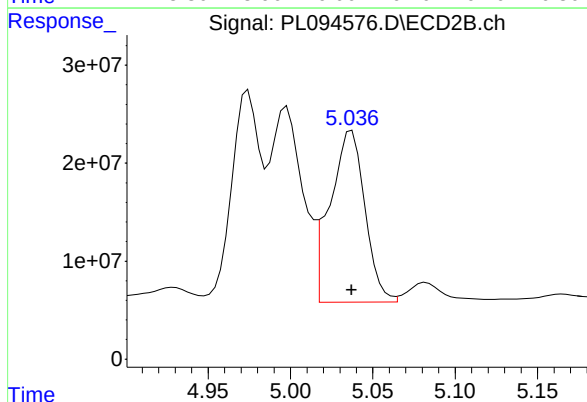
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 261258464
Conc: 500.00 ng/ml



#26 Chlordane-4

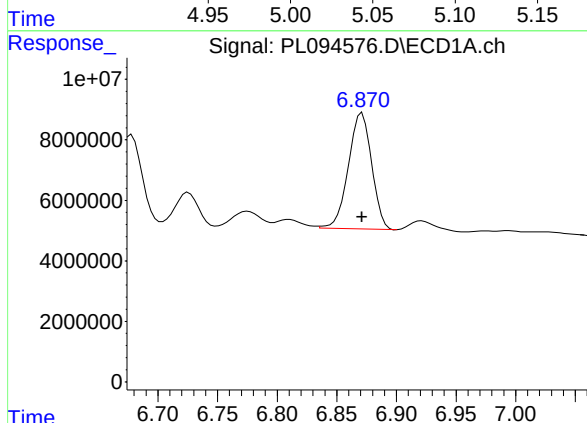
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 273855108
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



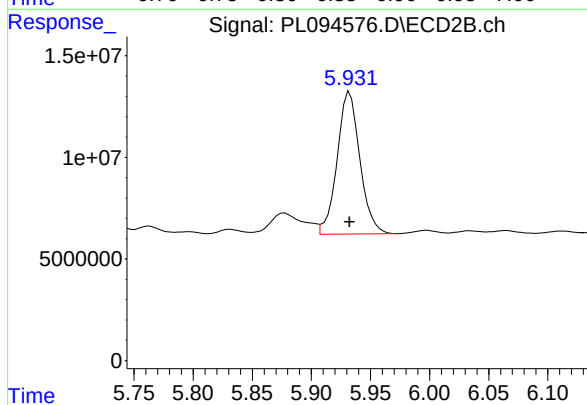
#26 Chlordane-4

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



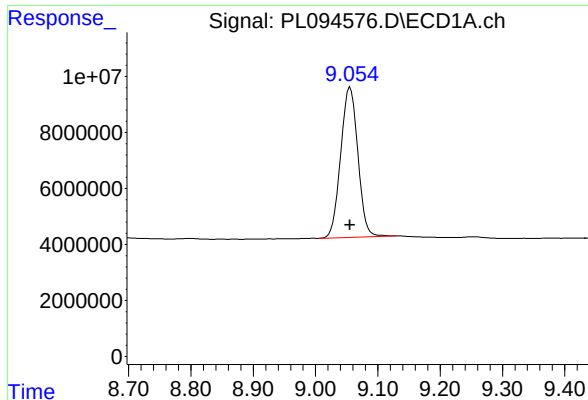
#27 Chlordane-5

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



#27 Chlordane-5

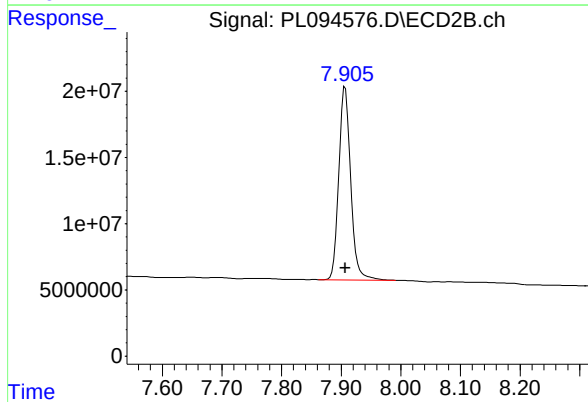
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 93588494
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

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

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	140.3E6	181.5E6	50.000	50.000
7) SA Decachlor...	9.054	7.907	105.5E6	210.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.236	4.999	12975869	13010166	500.000	500.000
3) Toxaphene-2	6.441	5.324	8198781	12744567	500.000	500.000
4) Toxaphene-3	7.059	5.682	41015316	14118201	500.000	500.000
5) Toxaphene-4	7.149	6.596	31471621	48270189	500.000	500.000
6) Toxaphene-5	7.934	7.038	22520220	46668809	500.000	500.000

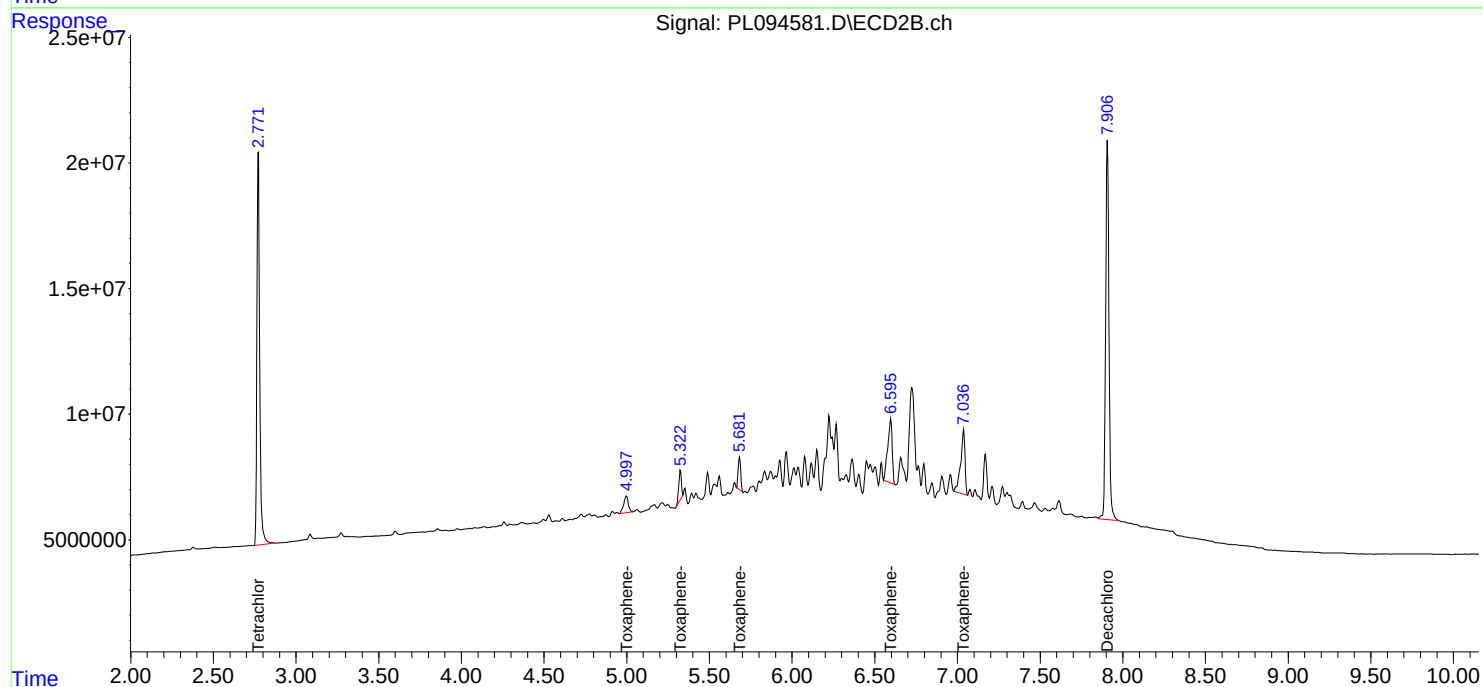
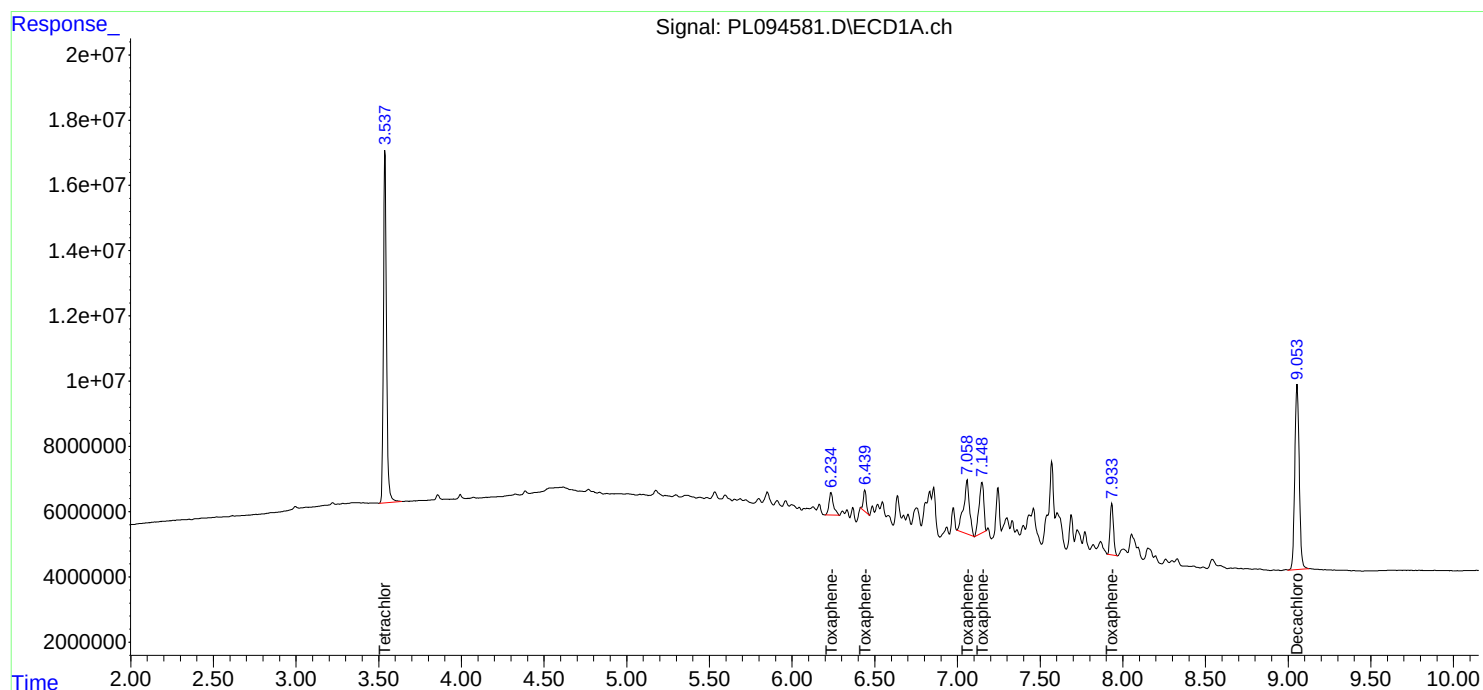
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

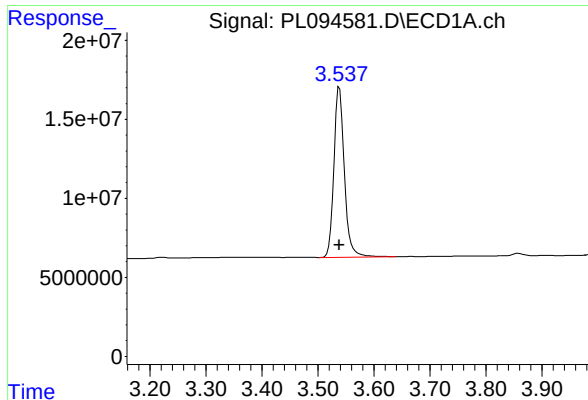
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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

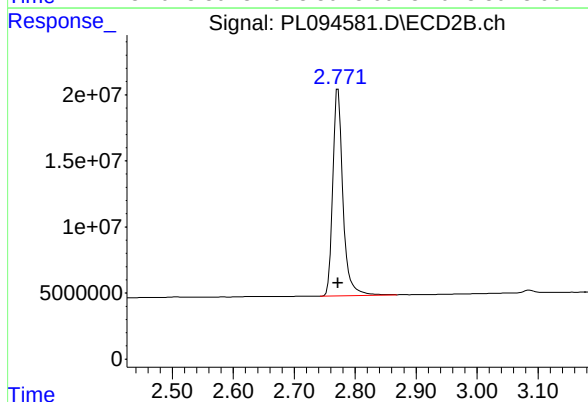




#1 Tetrachloro-m-xylene

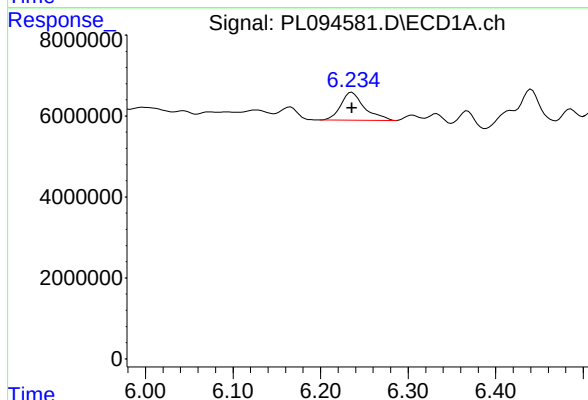
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 140277499
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



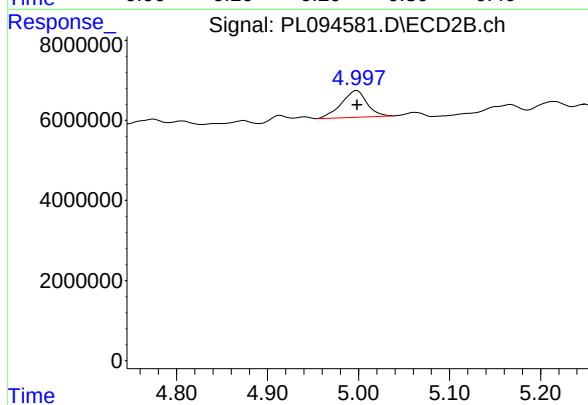
#1 Tetrachloro-m-xylene

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



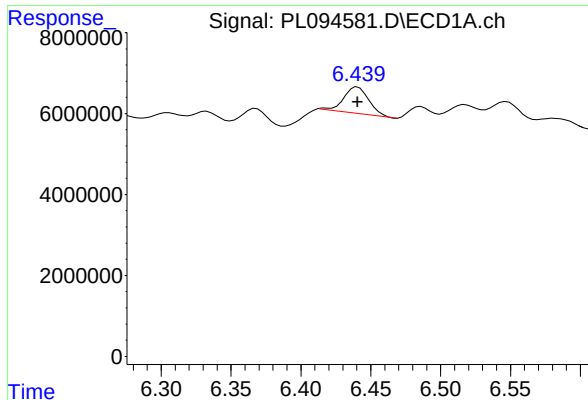
#2 Toxaphene-1

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



#2 Toxaphene-1

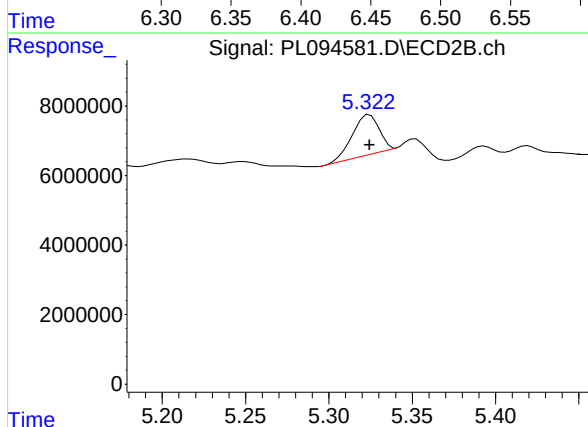
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 13010166
Conc: 500.00 ng/ml



#3 Toxaphene-2

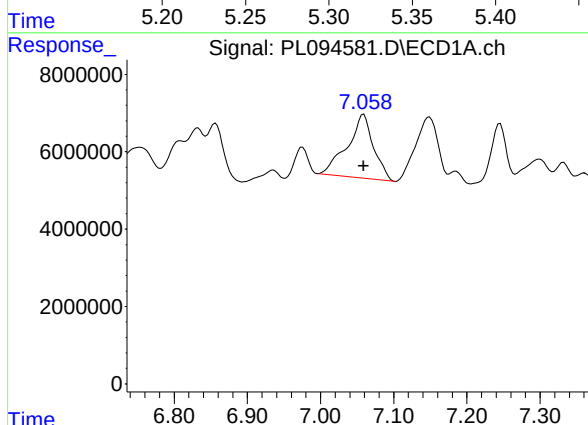
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 8198781
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



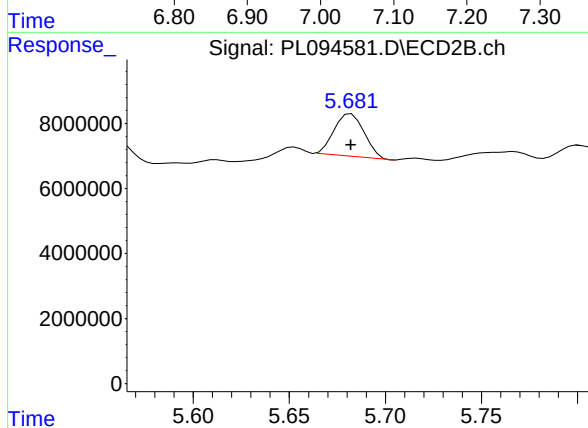
#3 Toxaphene-2

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



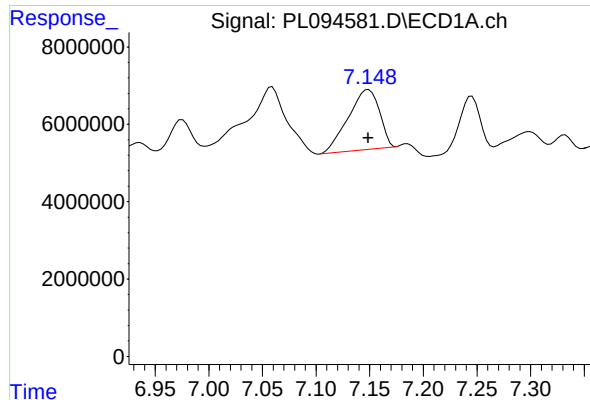
#4 Toxaphene-3

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



#4 Toxaphene-3

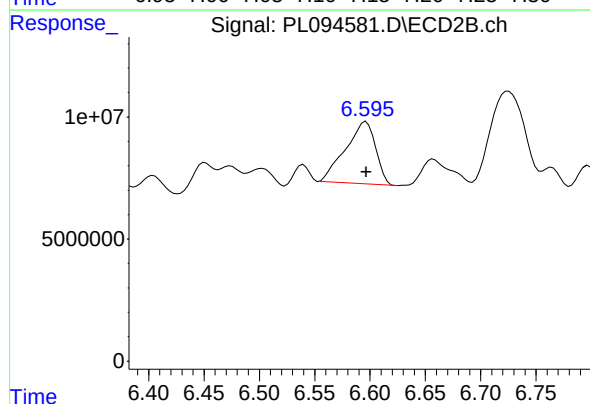
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 14118201
Conc: 500.00 ng/ml



#5 Toxaphene-4

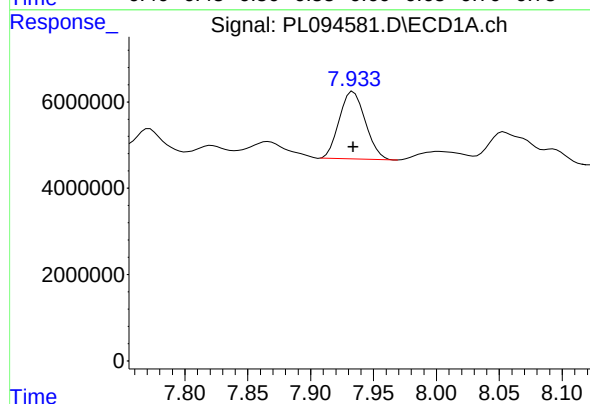
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 31471621
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



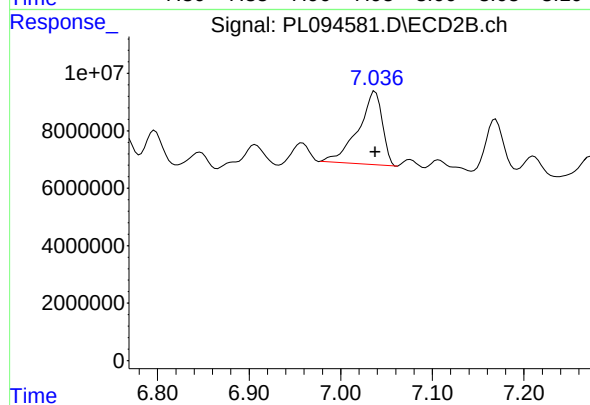
#5 Toxaphene-4

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



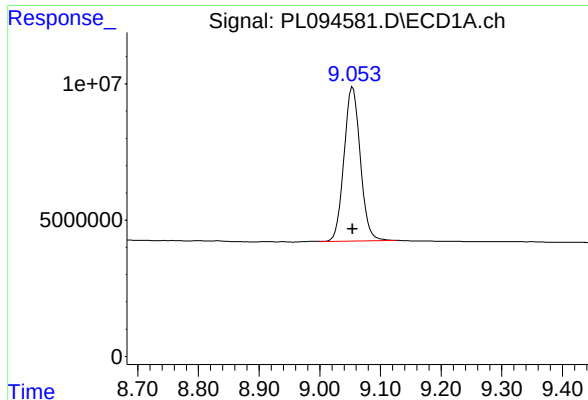
#6 Toxaphene-5

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



#6 Toxaphene-5

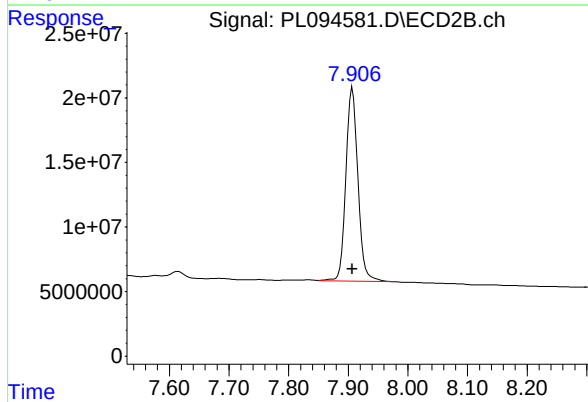
R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 46668809
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	138.6E6	178.7E6	48.948	50.062
28) SA Decachlor...	9.057	7.907	105.1E6	203.8E6	49.892	50.443
Target Compounds						
2) A alpha-BHC	3.994	3.275	204.5E6	276.8E6	49.250	51.333
3) MA gamma-BHC...	4.327	3.604	195.2E6	263.2E6	48.927	51.204
4) MA Heptachlor	4.915	3.943	189.6E6	267.0E6	48.844	50.686
5) MB Aldrin	5.257	4.222	180.2E6	248.9E6	48.800	51.048
6) B beta-BHC	4.526	3.905	89231989	110.8E6	48.359	49.893
7) B delta-BHC	4.773	4.133	189.3E6	256.7E6	48.608	51.319
8) B Heptachlo...	5.684	4.724	162.6E6	232.8E6	48.604	50.850
9) A Endosulfan I	6.069	5.094	150.4E6	223.6E6	48.979	50.952
10) B gamma-Chl...	5.940	4.974	164.1E6	246.2E6	48.699	51.000
11) B alpha-Chl...	6.019	5.038	161.5E6	242.7E6	48.982	50.851
12) B 4,4'-DDE	6.192	5.227	146.3E6	237.2E6	49.725	51.033
13) MA Dieldrin	6.344	5.358	156.1E6	248.7E6	48.823	51.250
14) MA Endrin	6.574	5.634	132.9E6	220.8E6	47.959	50.591
15) B Endosulfa...	6.794	5.929	133.2E6	219.2E6	49.073	50.644
16) A 4,4'-DDD	6.710	5.782	107.9E6	186.0E6	49.828	51.715
17) MA 4,4'-DDT	7.024	6.032	118.3E6	208.0E6	49.731	51.576
18) B Endrin al...	6.924	6.109	102.5E6	169.4E6	48.578	50.322
19) B Endosulfa...	7.160	6.332	118.7E6	208.3E6	48.797	51.131
20) A Methoxychlor	7.501	6.607	59571379	108.1E6	49.764	50.981
21) B Endrin ke...	7.644	6.837	130.9E6	247.7E6	49.539	51.908
22) Mirex	8.117	7.016	100.5E6	191.6E6	48.635	50.470

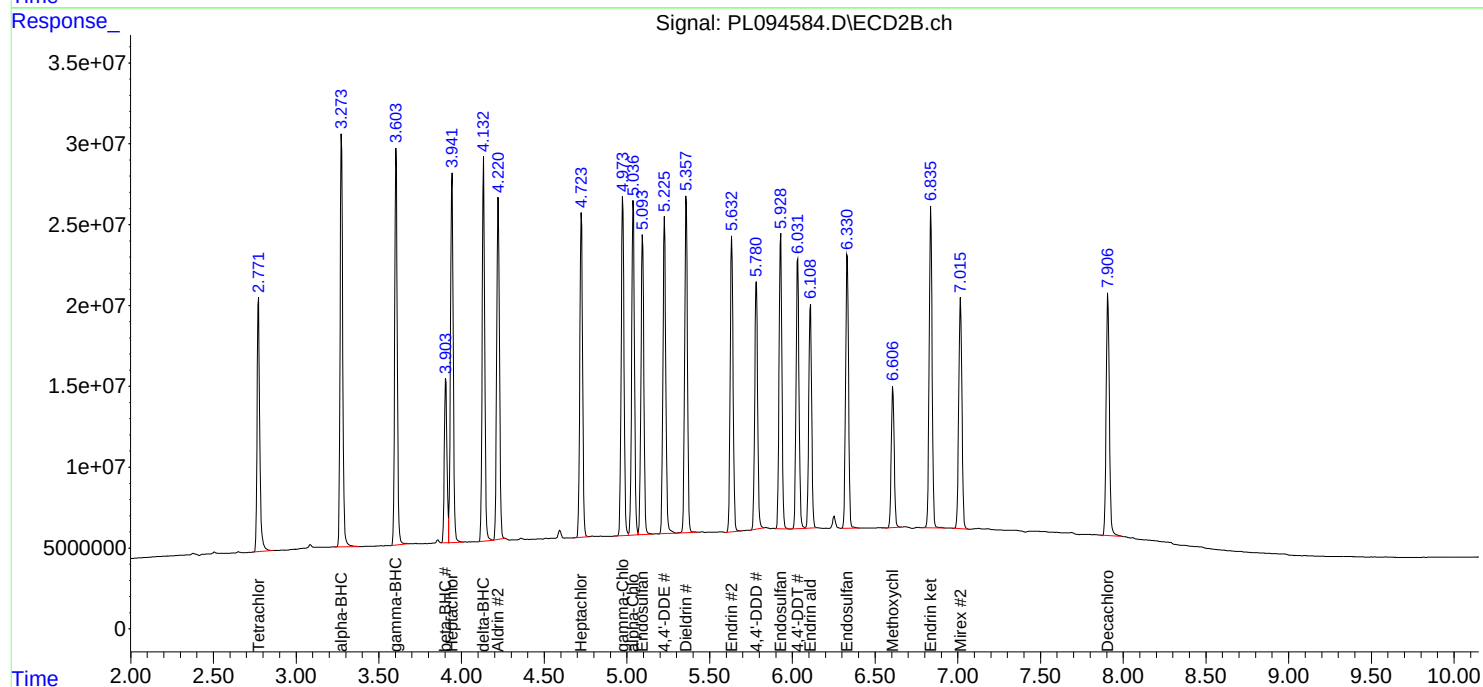
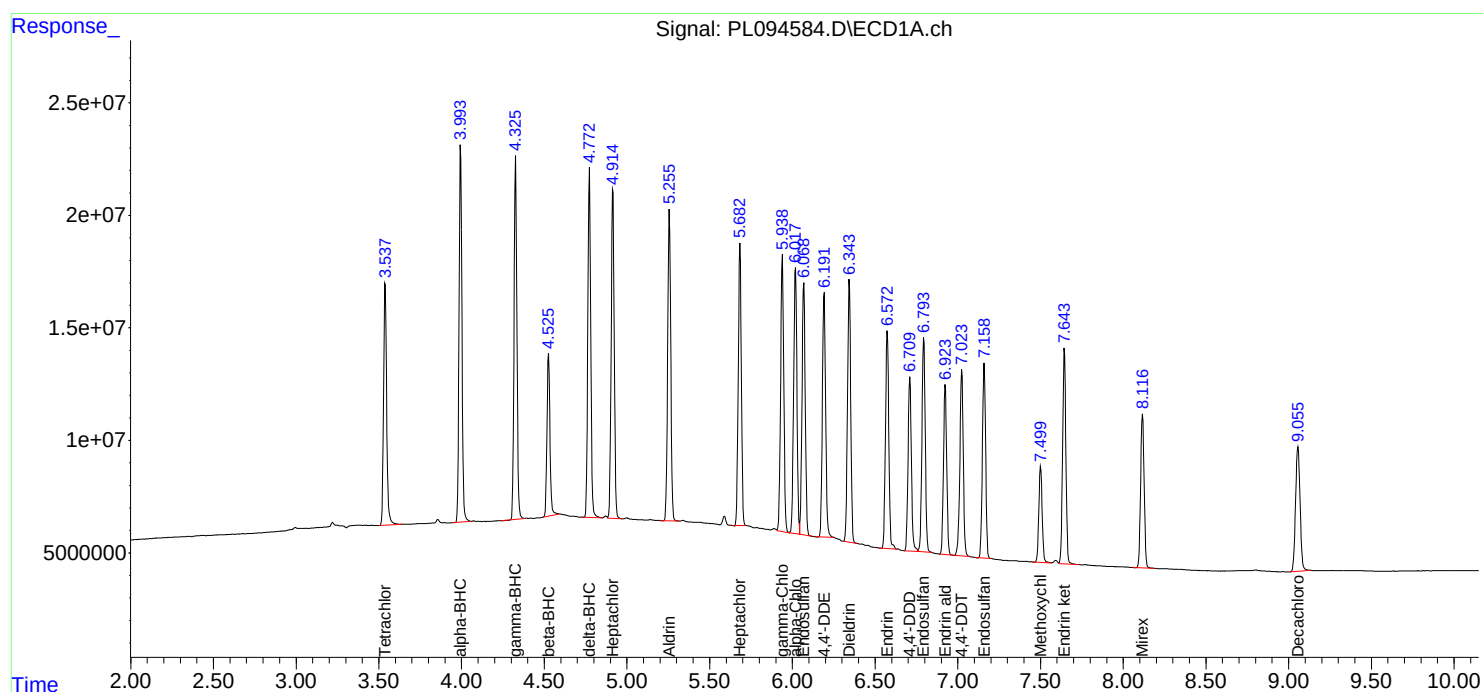
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

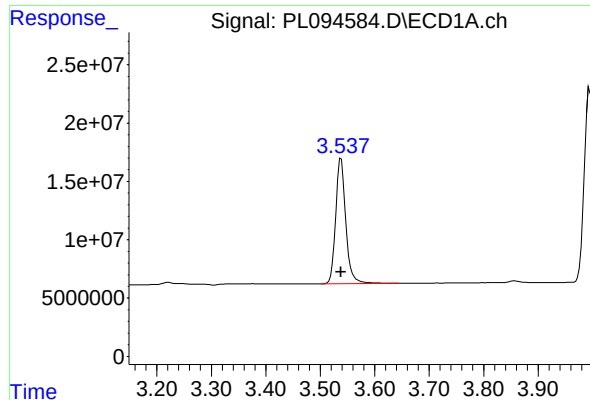
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125

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

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

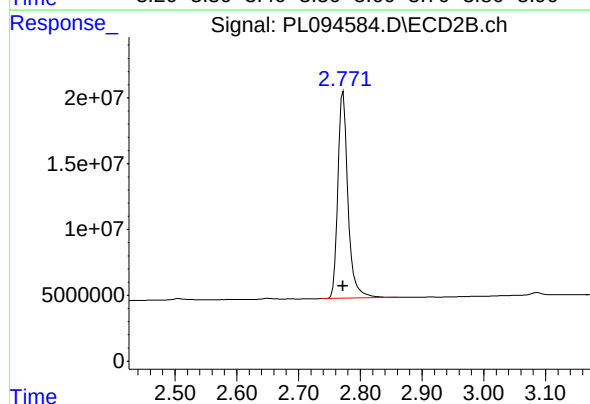




#1 Tetrachloro-m-xylene

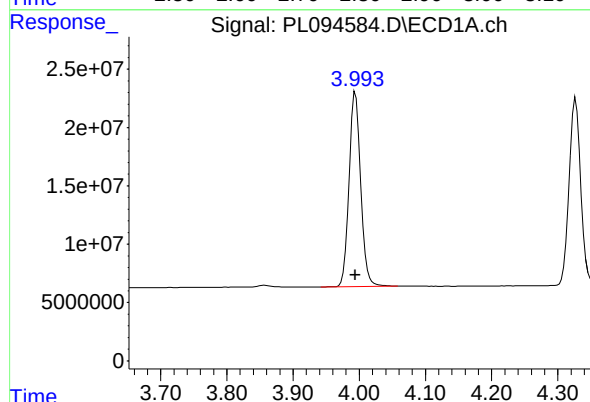
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 138556643
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



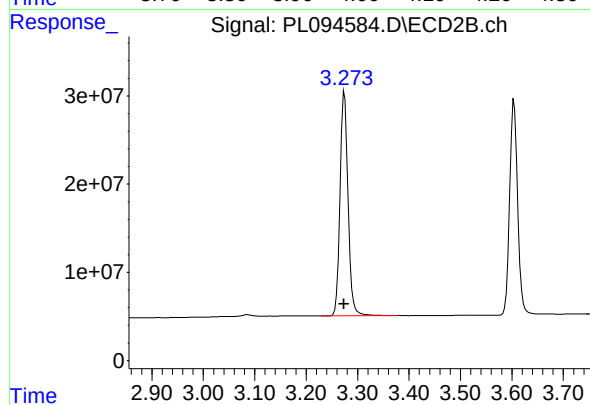
#1 Tetrachloro-m-xylene

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



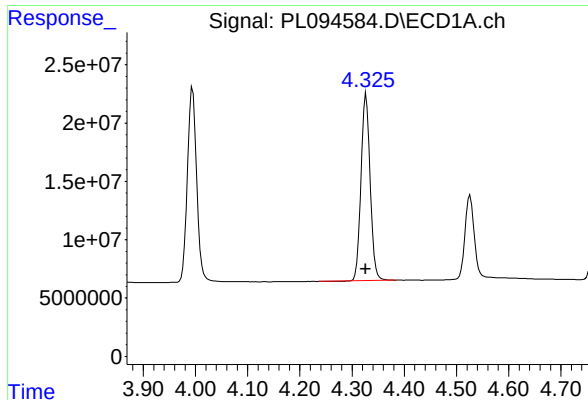
#2 alpha-BHC

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



#2 alpha-BHC

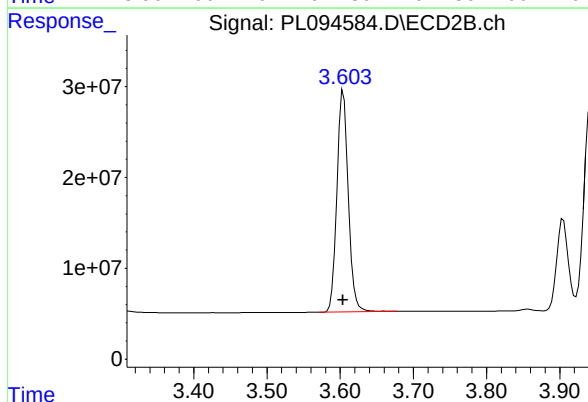
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 276756350
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

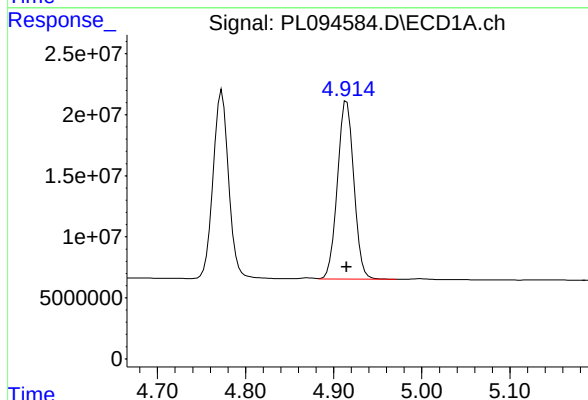
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 195230792
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



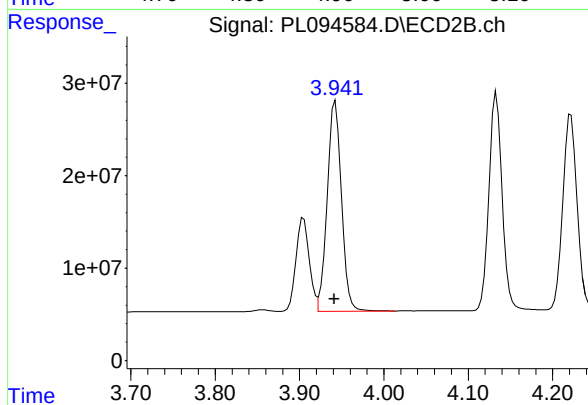
#3 gamma-BHC (Lindane)

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



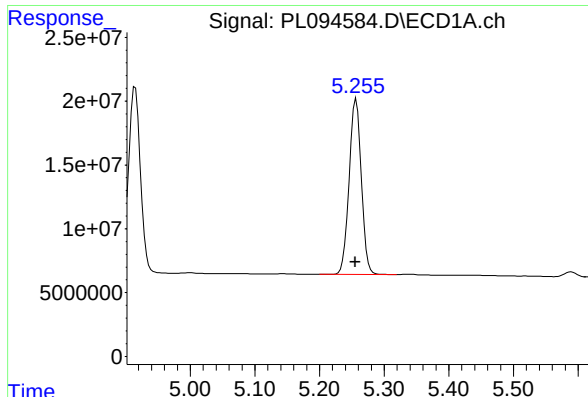
#4 Heptachlor

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



#4 Heptachlor

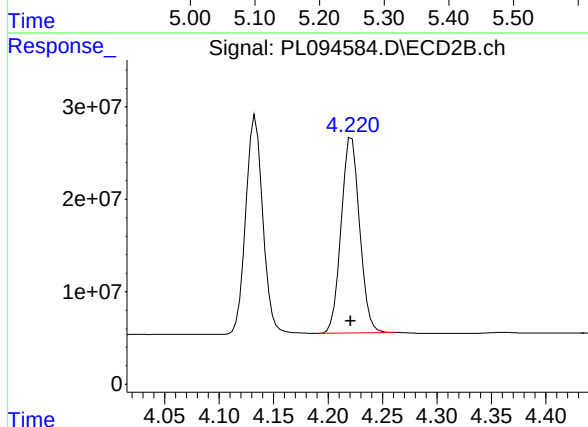
R.T.: 3.943 min
Delta R.T.: 0.000 min
Response: 267048442
Conc: 50.69 ng/ml



#5 Aldrin

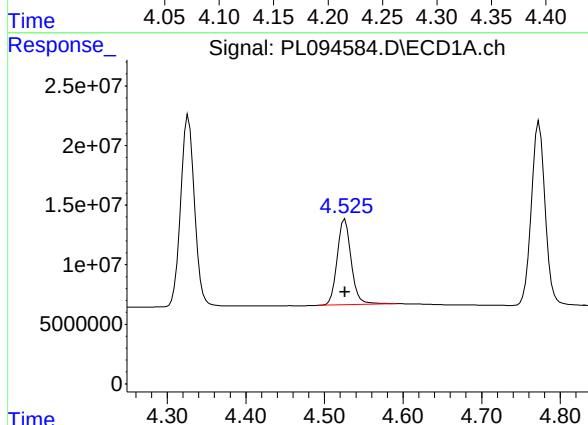
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 180179976
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



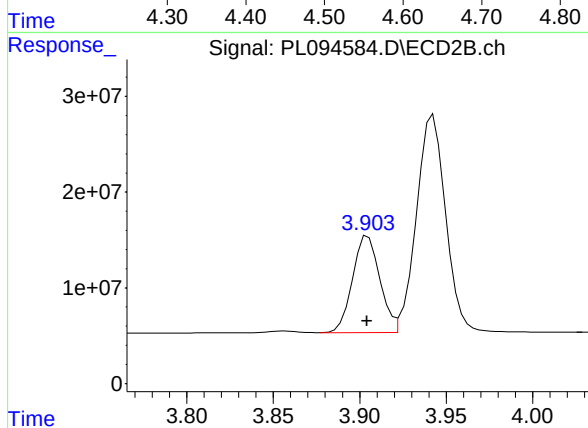
#5 Aldrin

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



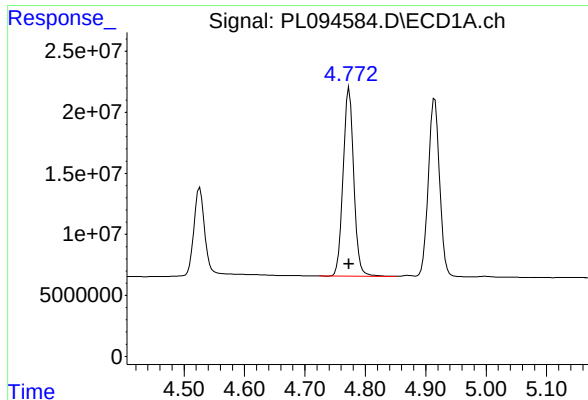
#6 beta-BHC

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



#6 beta-BHC

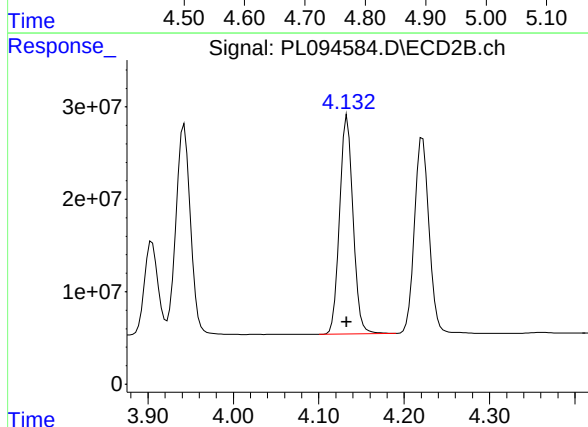
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 110828057
Conc: 49.89 ng/ml



#7 delta-BHC

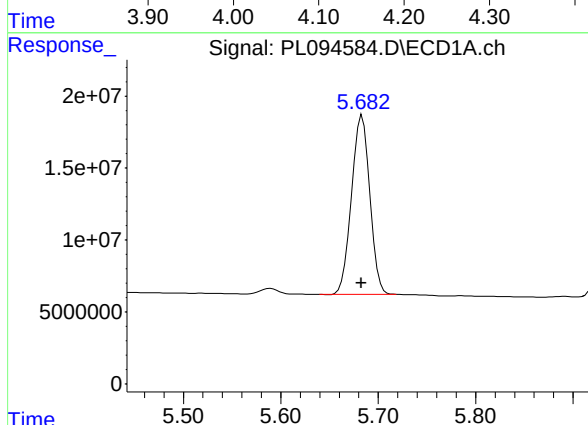
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 189296014
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



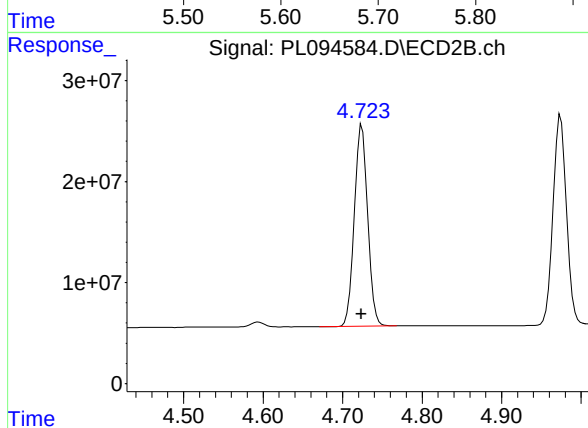
#7 delta-BHC

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



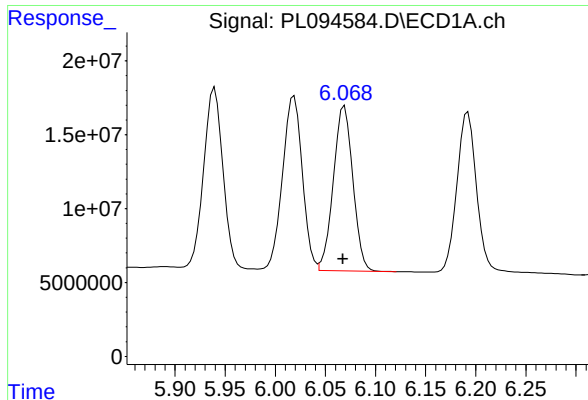
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

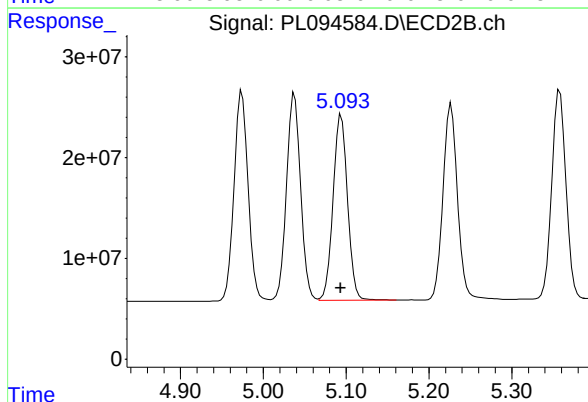
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 232821579
Conc: 50.85 ng/ml



#9 Endosulfan I

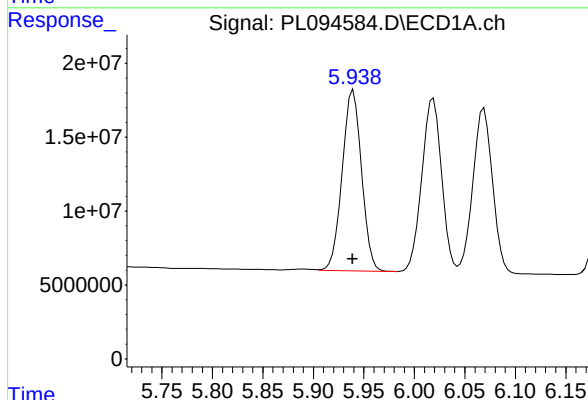
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 150376500
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



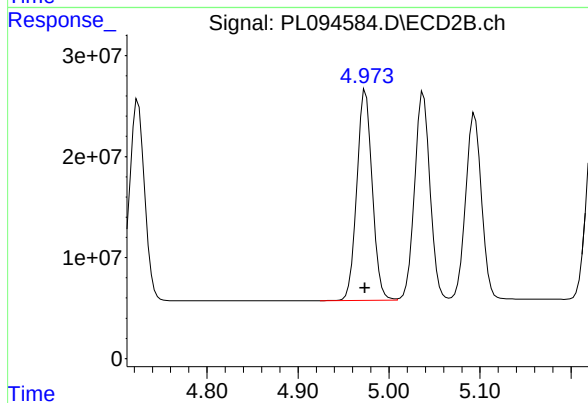
#9 Endosulfan I

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



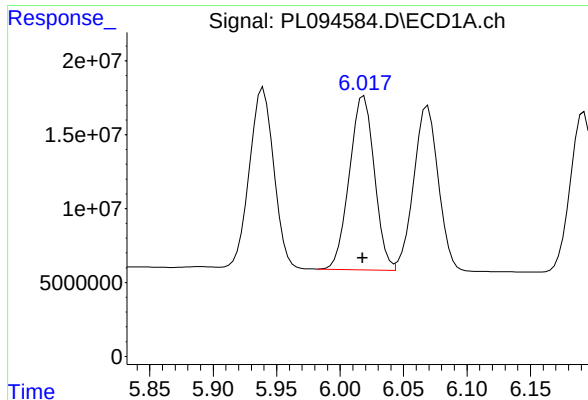
#10 gamma-Chlordane

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



#10 gamma-Chlordane

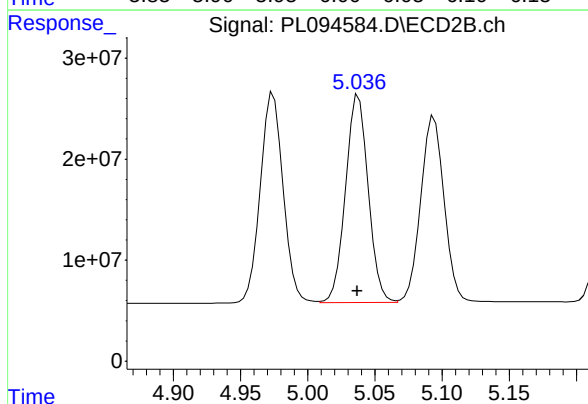
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 246248137
Conc: 51.00 ng/ml



#11 alpha-Chlordane

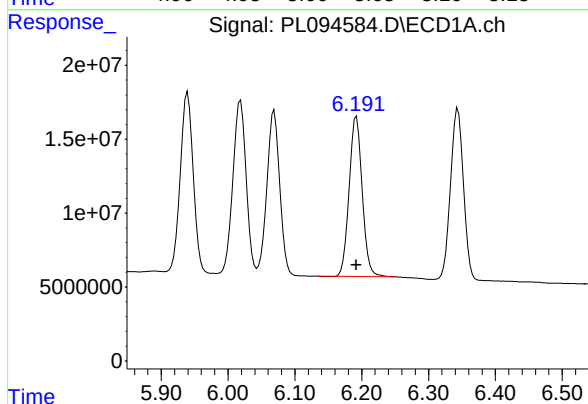
R.T.: 6.019 min
Delta R.T.: 0.001 min
Response: 161484723
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



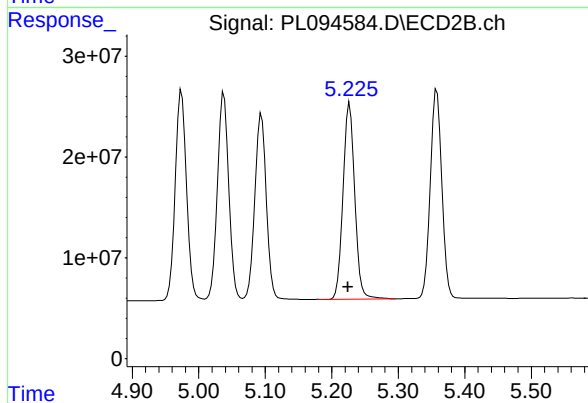
#11 alpha-Chlordane

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



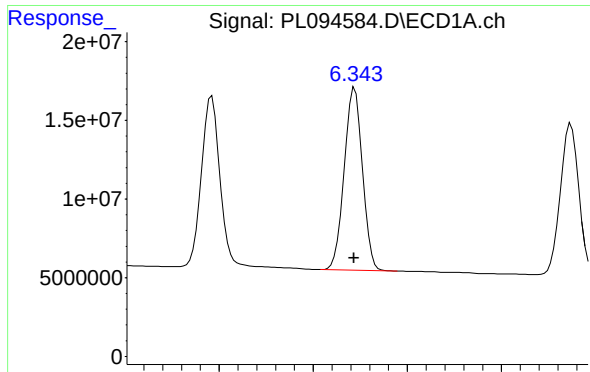
#12 4,4'-DDE

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



#12 4,4'-DDE

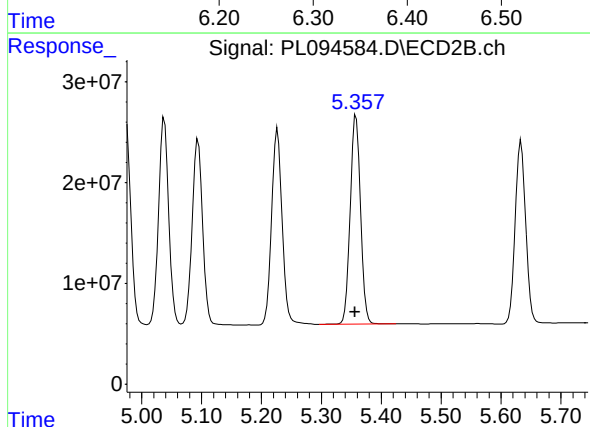
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 237229375
Conc: 51.03 ng/ml



#13 Dieldrin

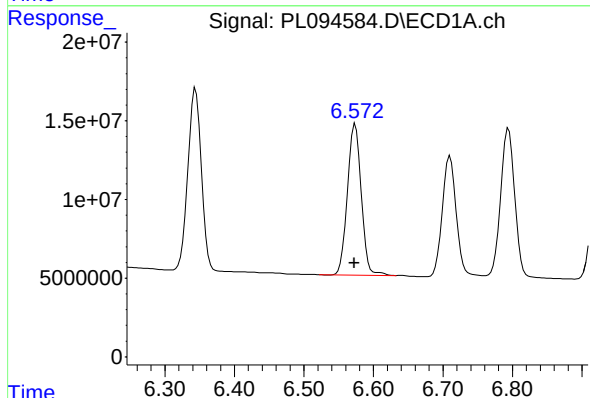
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156142534
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



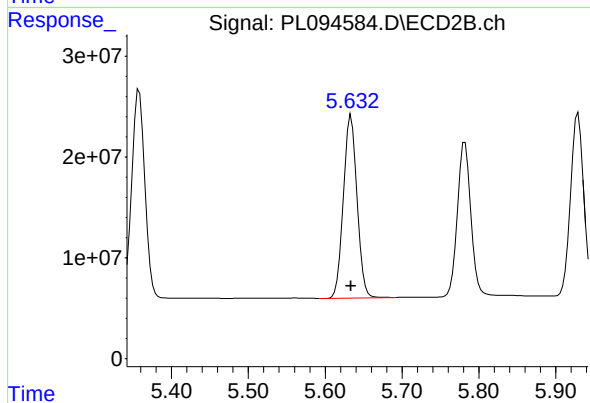
#13 Dieldrin

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



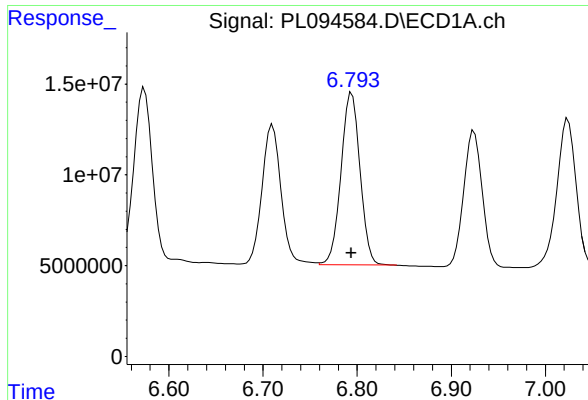
#14 Endrin

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



#14 Endrin

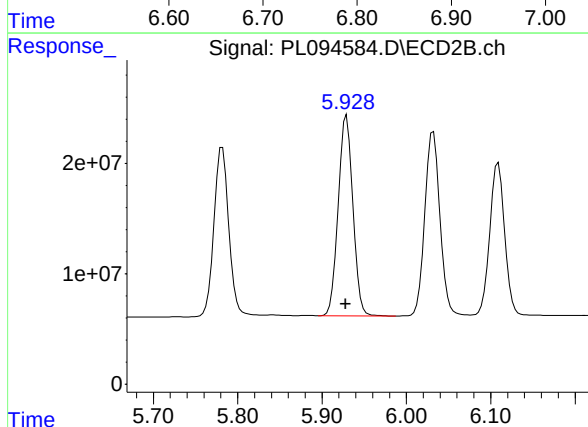
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 220759516
Conc: 50.59 ng/ml



#15 Endosulfan II

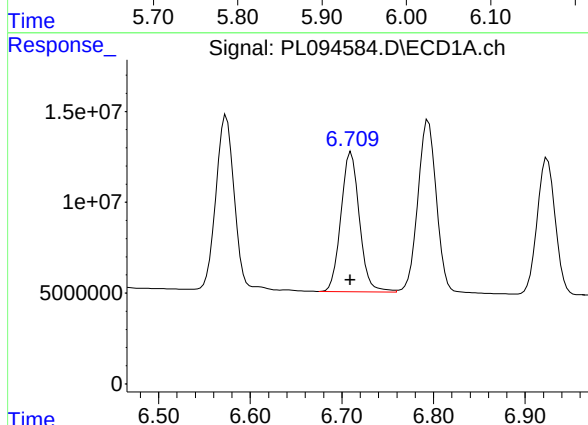
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133220736
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



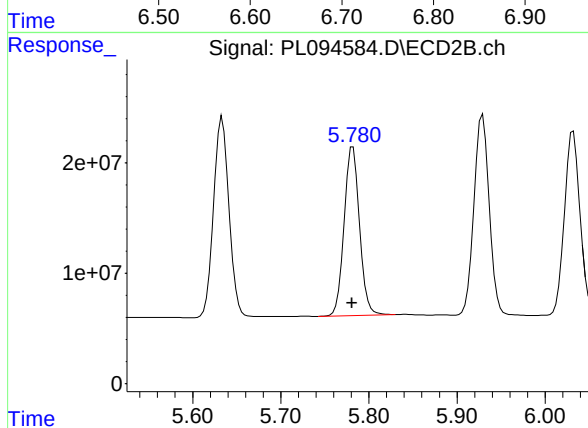
#15 Endosulfan II

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



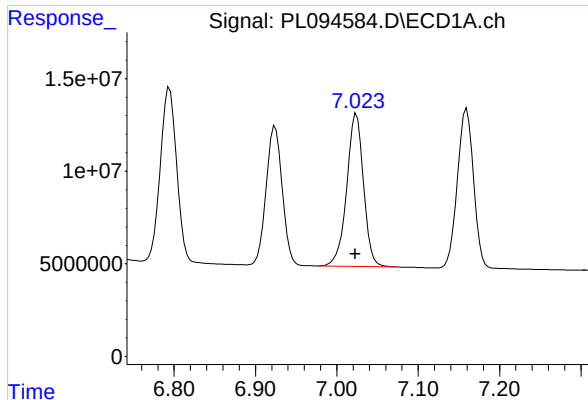
#16 4,4'-DDD

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



#16 4,4'-DDD

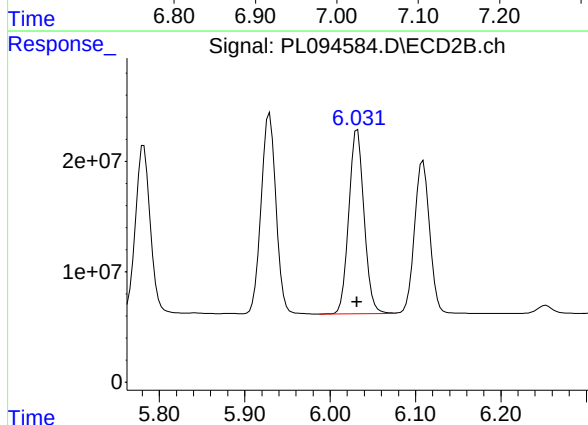
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 185961766
Conc: 51.72 ng/ml



#17 4,4'-DDT

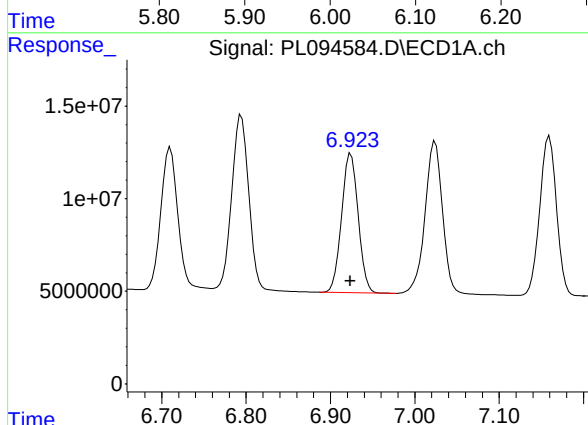
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 118288311
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



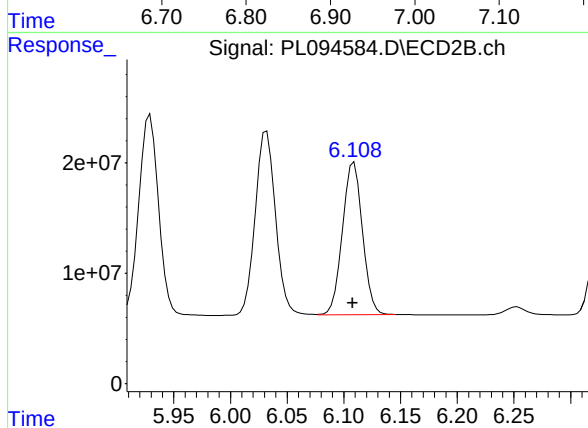
#17 4,4'-DDT

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



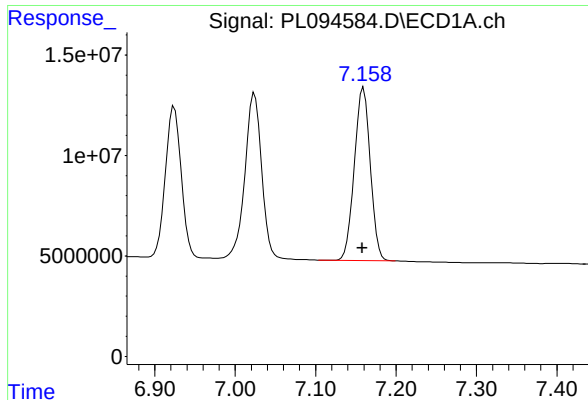
#18 Endrin aldehyde

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



#18 Endrin aldehyde

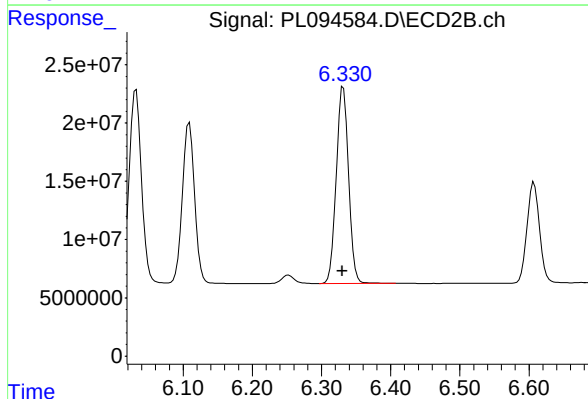
R.T.: 6.109 min
Delta R.T.: 0.001 min
Response: 169351182
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

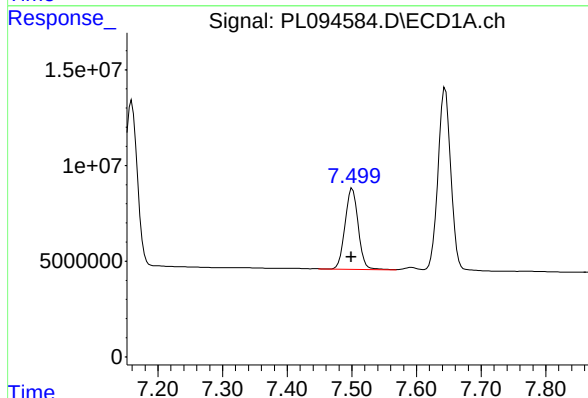
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 118675382
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



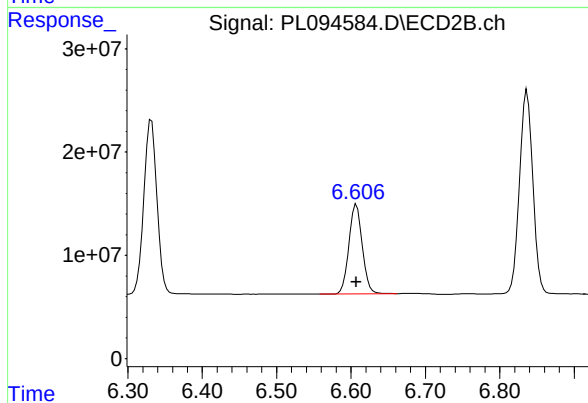
#19 Endosulfan Sulfate

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



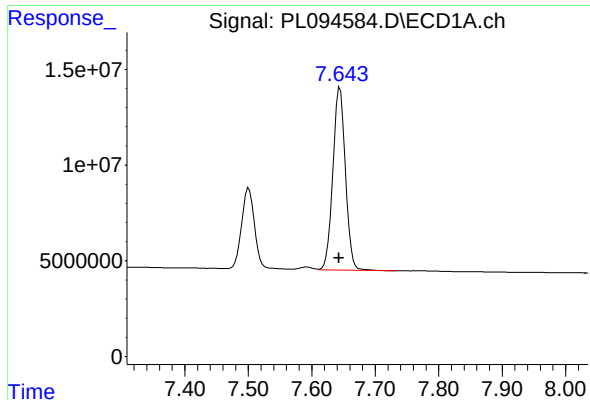
#20 Methoxychlor

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



#20 Methoxychlor

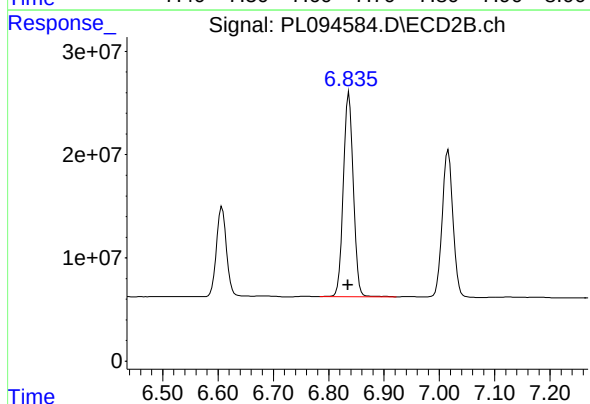
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 108134969
Conc: 50.98 ng/ml



#21 Endrin ketone

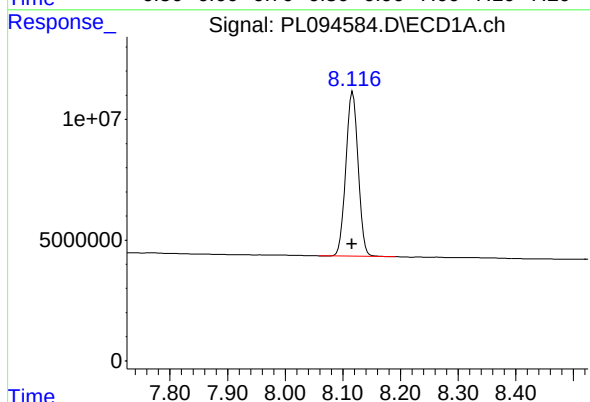
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 130943971
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



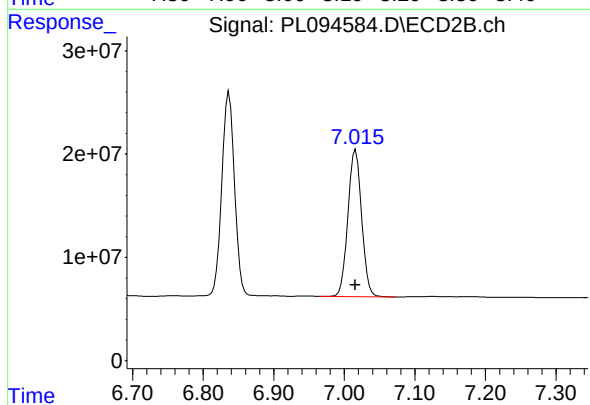
#21 Endrin ketone

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



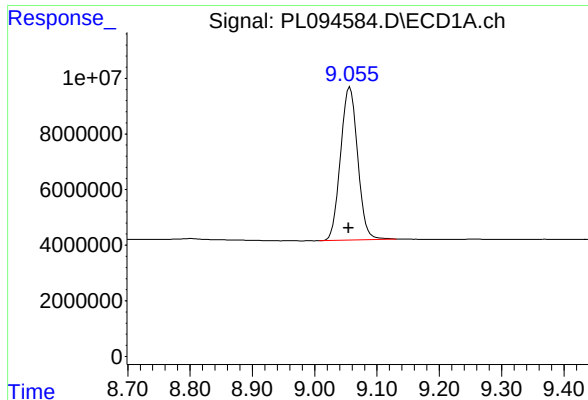
#22 Mirex

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



#22 Mirex

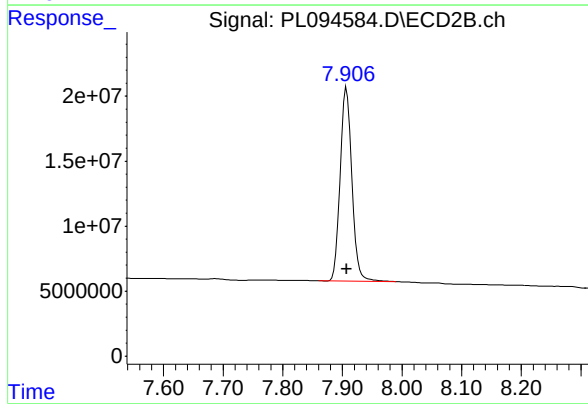
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 191550146
Conc: 50.47 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 203758136
Conc: 50.44 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:55 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 19:55 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.01
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL01 Date Analyzed: 04/07/2025

Lab Sample No.: PSTDCCC050 Data File : PL095073.D Time Analyzed: 19:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.610	6.810	59.920	50.000	19.8
4,4'-DDE	6.189	6.093	6.293	57.290	50.000	14.6
4,4'-DDT	7.020	6.924	7.124	52.460	50.000	4.9
Aldrin	5.253	5.156	5.356	49.720	50.000	-0.6
alpha-BHC	3.991	3.894	4.094	50.420	50.000	0.8
alpha-Chlordane	6.015	5.918	6.118	51.870	50.000	3.7
beta-BHC	4.523	4.425	4.625	50.150	50.000	0.3
Decachlorobiphenyl	9.051	8.956	9.156	53.250	50.000	6.5
delta-BHC	4.770	4.673	4.873	52.010	50.000	4.0
Dieldrin	6.340	6.244	6.444	53.170	50.000	6.3
Endosulfan I	6.065	5.969	6.169	52.040	50.000	4.1
Endosulfan II	6.791	6.694	6.894	52.950	50.000	5.9
Endosulfan sulfate	7.156	7.059	7.259	51.770	50.000	3.5
Endrin	6.571	6.474	6.674	46.600	50.000	-6.8
Endrin aldehyde	6.922	6.824	7.024	51.890	50.000	3.8
Endrin ketone	7.641	7.544	7.744	54.140	50.000	8.3
gamma-BHC (Lindane)	4.324	4.227	4.427	50.670	50.000	1.3
gamma-Chlordane	5.936	5.840	6.040	51.440	50.000	2.9
Heptachlor	4.911	4.815	5.015	48.550	50.000	-2.9
Heptachlor epoxide	5.680	5.583	5.783	50.470	50.000	0.9
Methoxychlor	7.497	7.400	7.600	53.000	50.000	6.0
Tetrachloro-m-xylene	3.535	3.438	3.638	50.340	50.000	0.7



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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL01 Date Analyzed: 04/07/2025

Lab Sample No.: PSTDCCC050 Data File : PL095073.D Time Analyzed: 19:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.776	5.682	5.882	59.870	50.000	19.7
4,4'-DDE	5.221	5.127	5.327	55.200	50.000	10.4
4,4'-DDT	6.025	5.932	6.132	51.740	50.000	3.5
Aldrin	4.216	4.122	4.322	53.350	50.000	6.7
alpha-BHC	3.270	3.174	3.374	55.190	50.000	10.4
alpha-Chlordane	5.032	4.938	5.138	52.780	50.000	5.6
beta-BHC	3.900	3.805	4.005	54.950	50.000	9.9
Decachlorobiphenyl	7.900	7.807	8.007	51.070	50.000	2.1
delta-BHC	4.128	4.033	4.233	55.930	50.000	11.9
Dieldrin	5.352	5.258	5.458	53.090	50.000	6.2
Endosulfan I	5.088	4.994	5.194	52.850	50.000	5.7
Endosulfan II	5.923	5.829	6.029	53.180	50.000	6.4
Endosulfan sulfate	6.325	6.231	6.431	53.870	50.000	7.7
Endrin	5.628	5.534	5.734	49.570	50.000	-0.9
Endrin aldehyde	6.102	6.008	6.208	51.390	50.000	2.8
Endrin ketone	6.829	6.736	6.936	56.460	50.000	12.9
gamma-BHC (Lindane)	3.600	3.504	3.704	54.540	50.000	9.1
gamma-Chlordane	4.968	4.874	5.074	53.130	50.000	6.3
Heptachlor	3.937	3.842	4.042	51.660	50.000	3.3
Heptachlor epoxide	4.719	4.625	4.825	52.920	50.000	5.8
Methoxychlor	6.601	6.507	6.707	52.270	50.000	4.5
Tetrachloro-m-xylene	2.768	2.672	2.872	54.550	50.000	9.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095073.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:55
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 03:10:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	142.5E6	194.7E6	50.343	54.548
28) SA Decachlor...	9.051	7.900	112.2E6	206.3E6	53.246	51.066
Target Compounds						
2) A alpha-BHC	3.991	3.270	209.4E6	297.6E6	50.419	55.194
3) MA gamma-BHC...	4.324	3.600	202.2E6	280.3E6	50.669	54.541
4) MA Heptachlor	4.911	3.937	188.4E6	272.2E6	48.546	51.658
5) MB Aldrin	5.253	4.216	183.6E6	260.1E6	49.722	53.348
6) B beta-BHC	4.523	3.900	92530508	122.1E6	50.146	54.950
7) B delta-BHC	4.770	4.128	202.6E6	279.8E6	52.014	55.934
8) B Heptachlo...	5.680	4.719	168.8E6	242.3E6	50.474	52.919
9) A Endosulfan I	6.065	5.088	159.8E6	232.0E6	52.043	52.852
10) B gamma-Chl...	5.936	4.968	173.3E6	256.5E6	51.444	53.131
11) B alpha-Chl...	6.015	5.032	171.0E6	251.9E6	51.874	52.778
12) B 4,4'-DDE	6.189	5.221	168.6E6	256.6E6	57.292	55.197
13) MA Dieldrin	6.340	5.352	170.0E6	257.6E6	53.169	53.091
14) MA Endrin	6.571	5.628	129.2E6	216.3E6	46.605	49.566
15) B Endosulfa...	6.791	5.923	143.7E6	230.2E6	52.946	53.178
16) A 4,4'-DDD	6.705	5.776	129.8E6	215.3E6	59.916m	59.871
17) MA 4,4'-DDT	7.020	6.025	124.8E6	208.6E6	52.459	51.745
18) B Endrin al...	6.922	6.102	109.5E6	172.9E6	51.890	51.385
19) B Endosulfa...	7.156	6.325	125.9E6	219.4E6	51.772	53.867
20) A Methoxychlor	7.497	6.601	63441009	110.9E6	52.997	52.274
21) B Endrin ke...	7.641	6.829	143.1E6	269.5E6	54.138	56.461m
22) Mirex	8.114	7.010	102.0E6	195.3E6	49.361	51.471

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

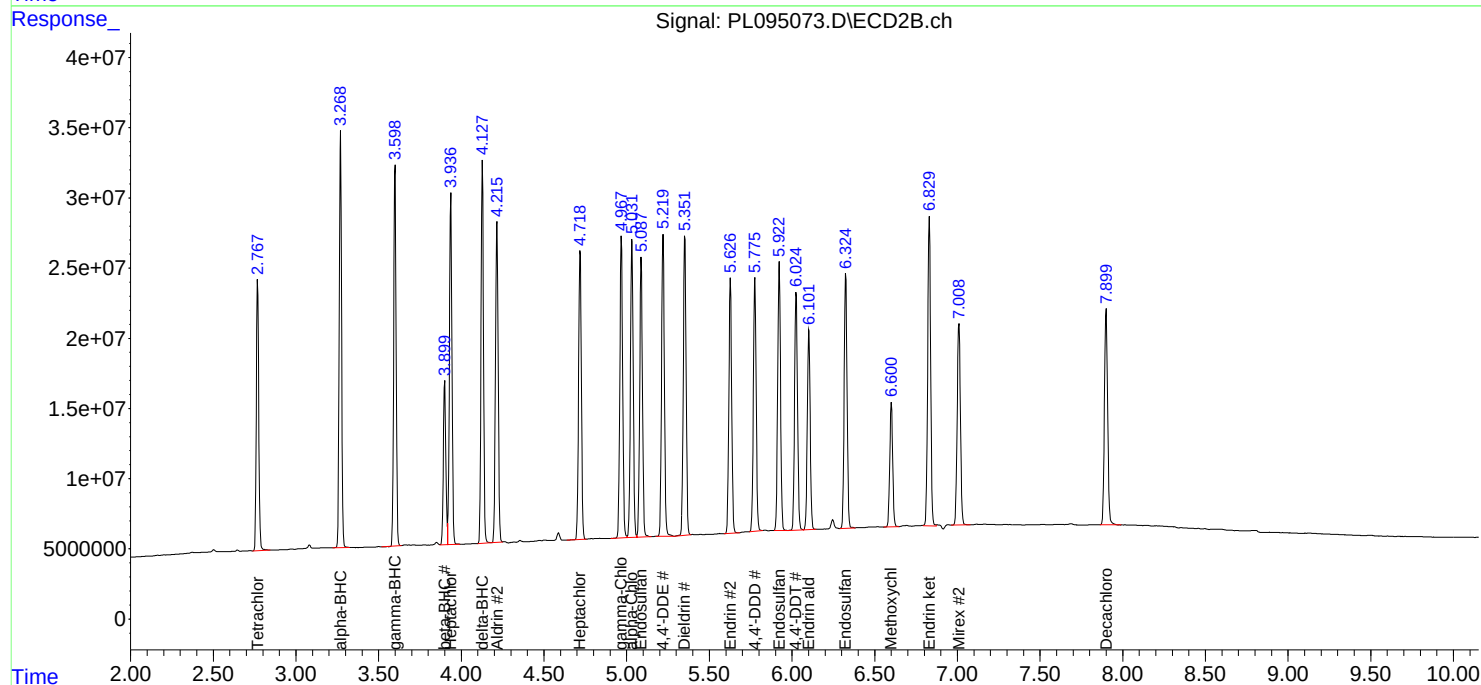
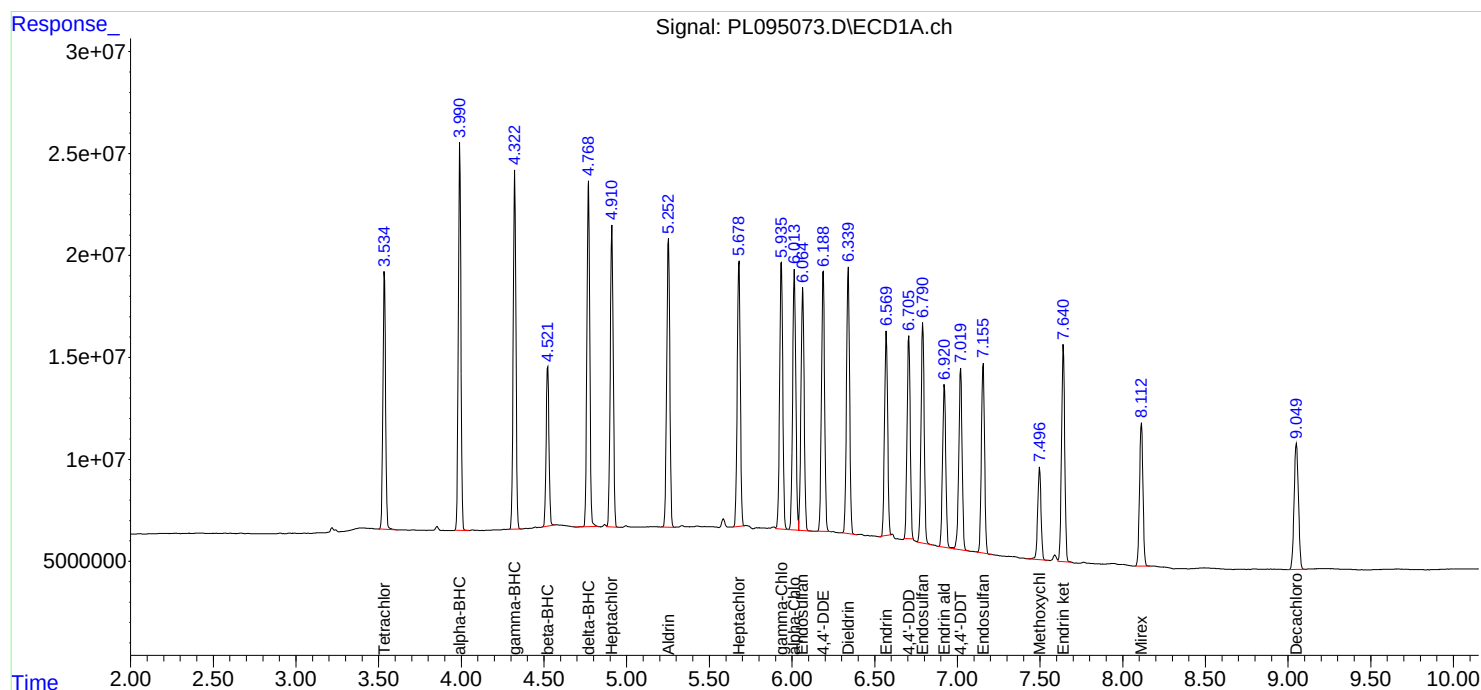
APPROVED

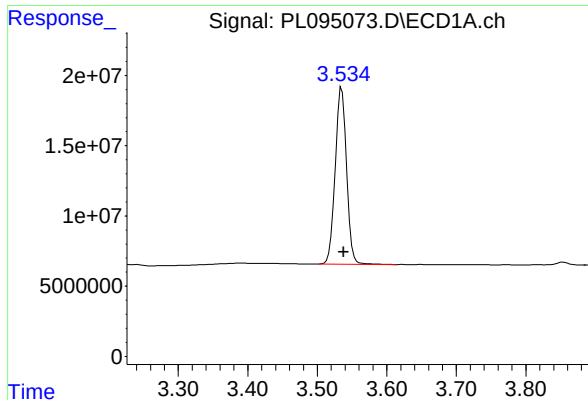
Reviewed By :Abdul Mirza 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 03:10:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 142505495
Conc: 50.34 ng/ml

Instrument :

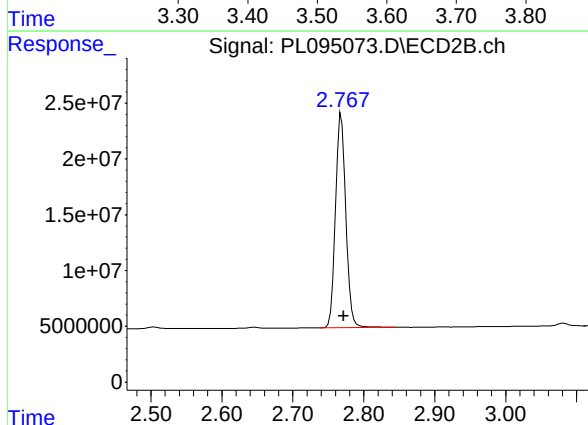
ECD_L

ClientSampleId :

PSTDCCC050

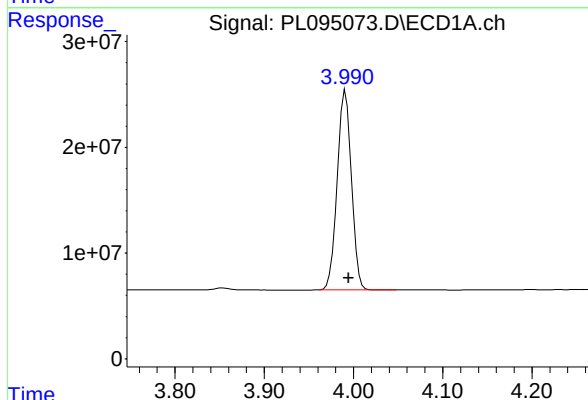
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



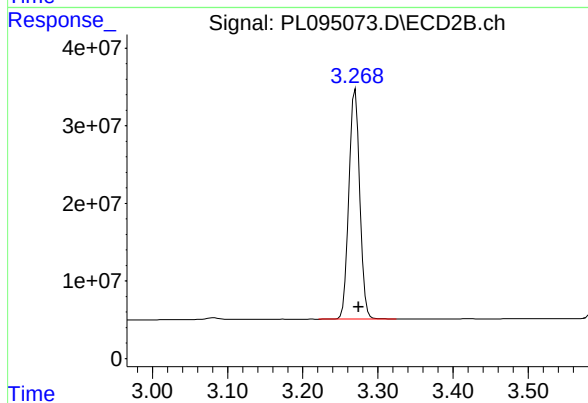
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 194695512
Conc: 54.55 ng/ml



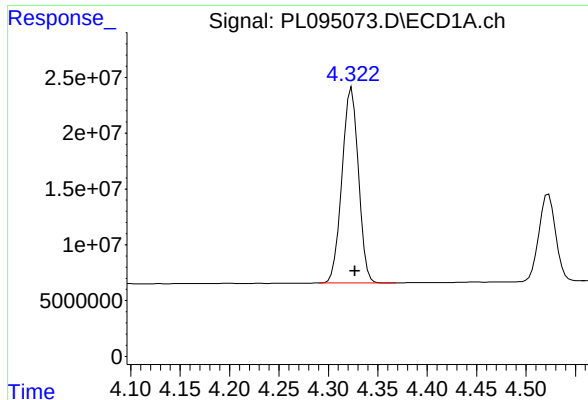
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 209356384
Conc: 50.42 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 297572685
Conc: 55.19 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 202182264
Conc: 50.67 ng/ml

Instrument :

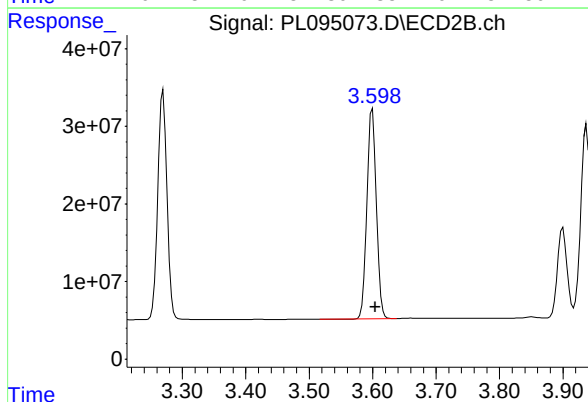
ECD_L

ClientSampleId :

PSTDCCC050

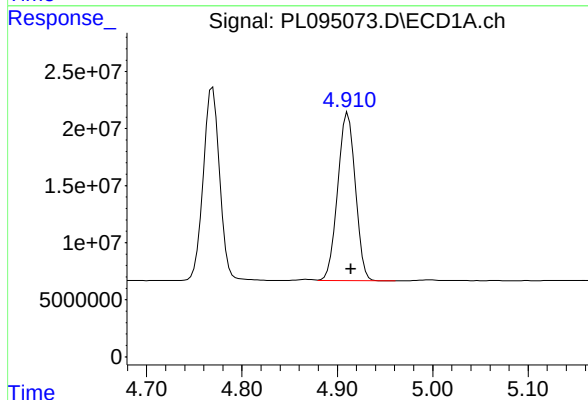
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



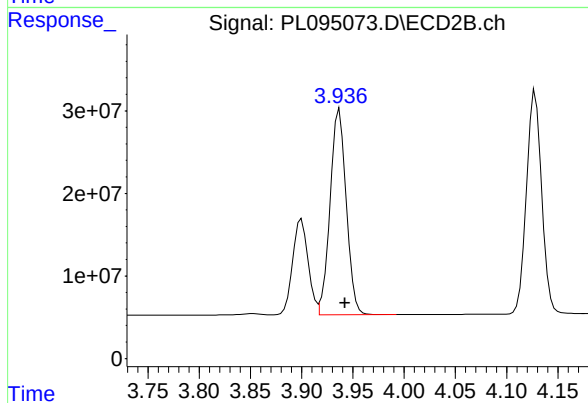
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 280308329
Conc: 54.54 ng/ml



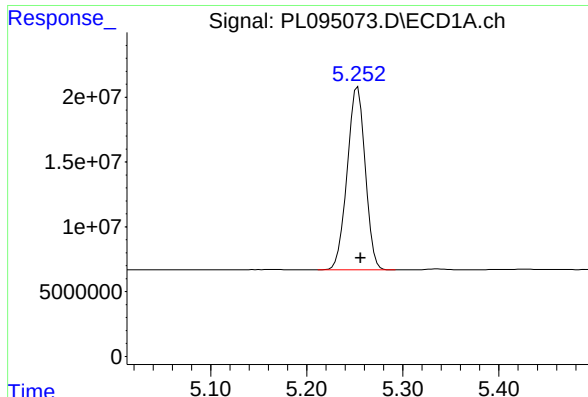
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 188436730
Conc: 48.55 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 272169589
Conc: 51.66 ng/ml



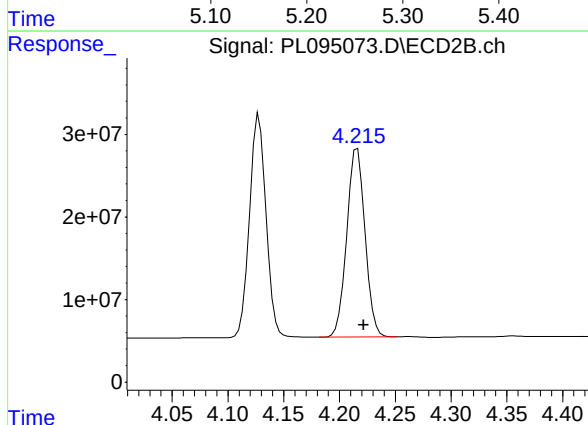
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 183583886
Conc: 49.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

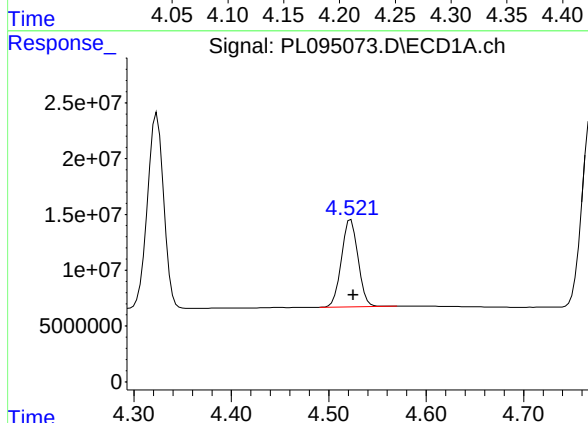
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



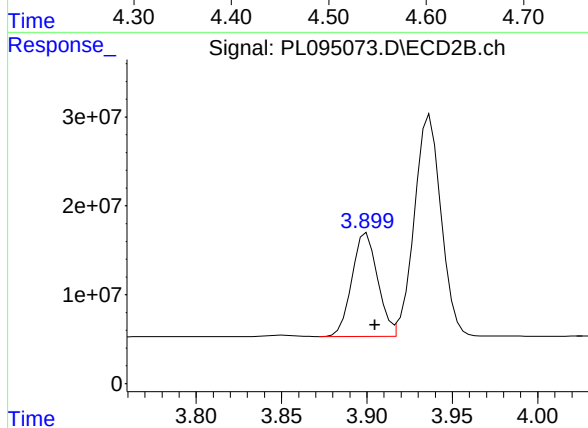
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 260142165
Conc: 53.35 ng/ml



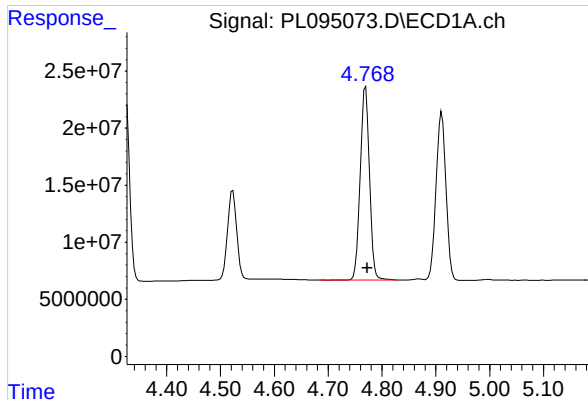
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 92530508
Conc: 50.15 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 122060787
Conc: 54.95 ng/ml



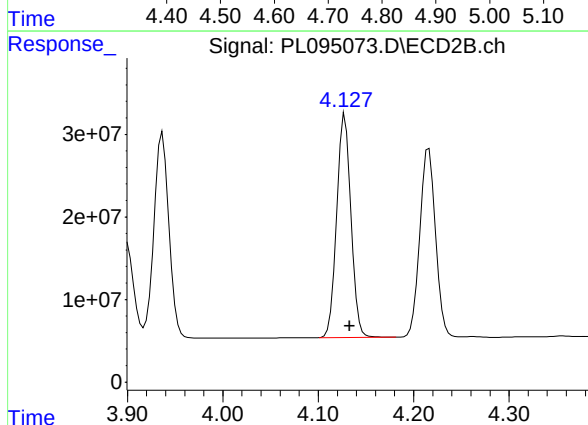
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 202558316
Conc: 52.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

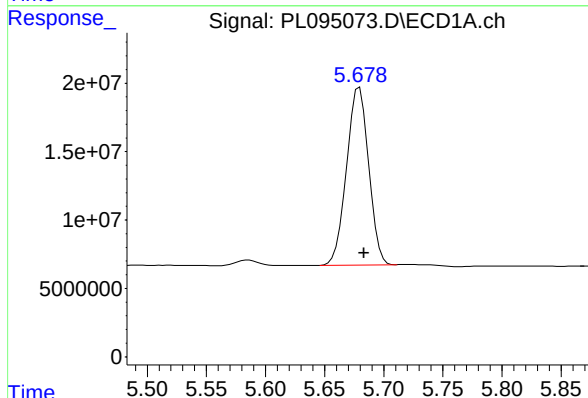
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



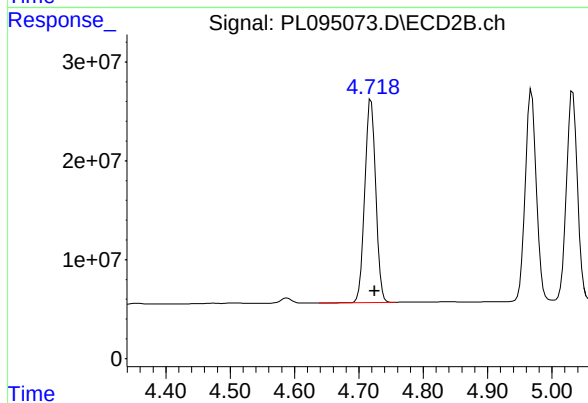
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 279782143
Conc: 55.93 ng/ml



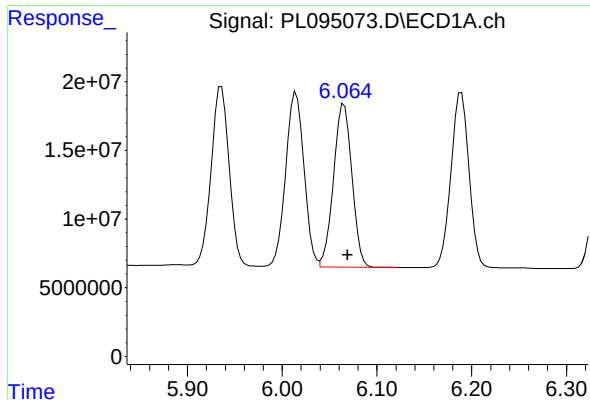
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.004 min
Response: 168844648
Conc: 50.47 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.006 min
Response: 242295022
Conc: 52.92 ng/ml



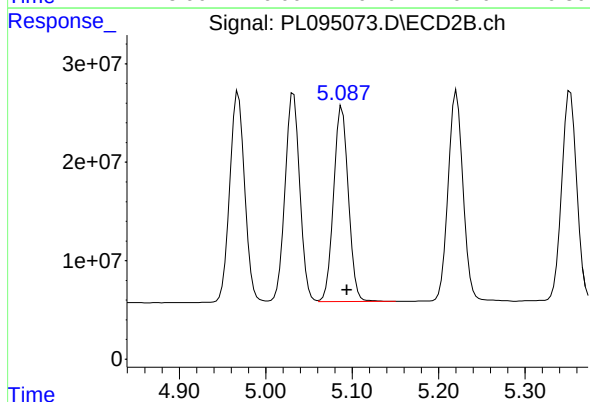
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 159783604
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

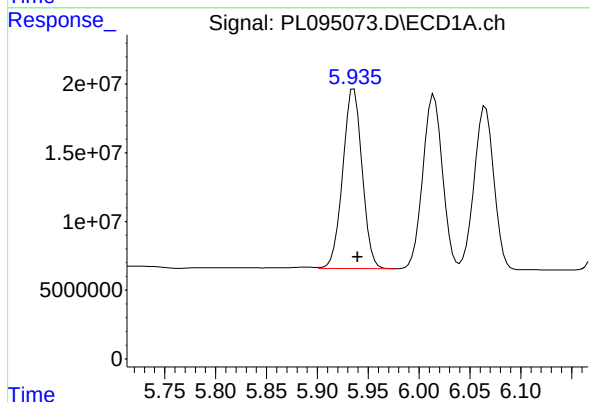
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



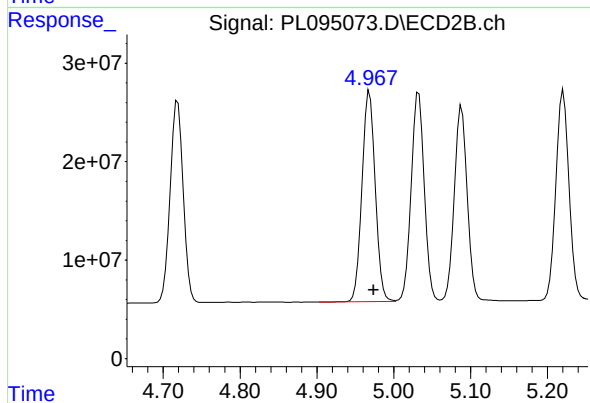
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 231953973
Conc: 52.85 ng/ml



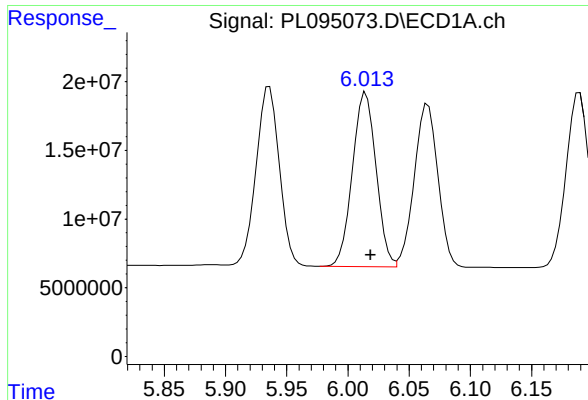
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 173333661
Conc: 51.44 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 256539271
Conc: 53.13 ng/ml



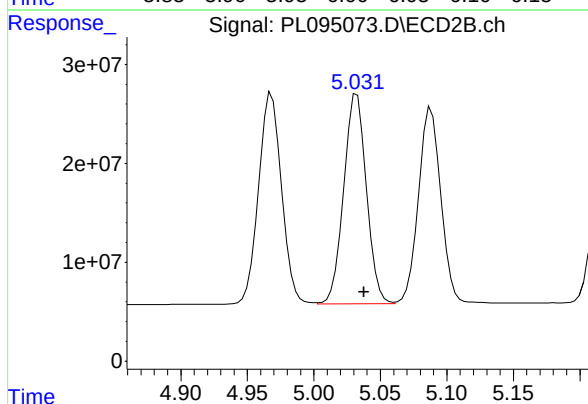
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 171018665
Conc: 51.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

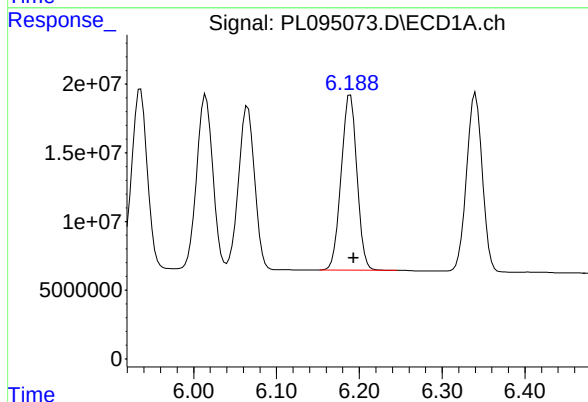
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



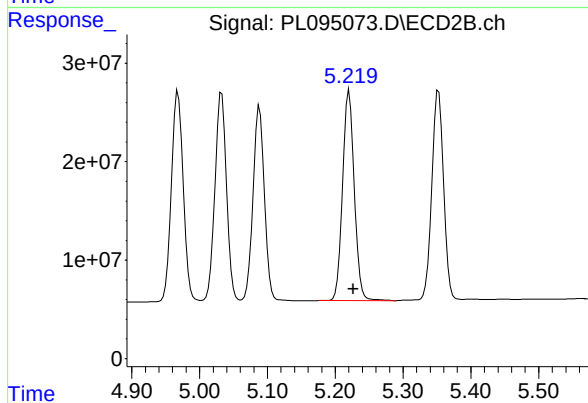
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 251896806
Conc: 52.78 ng/ml



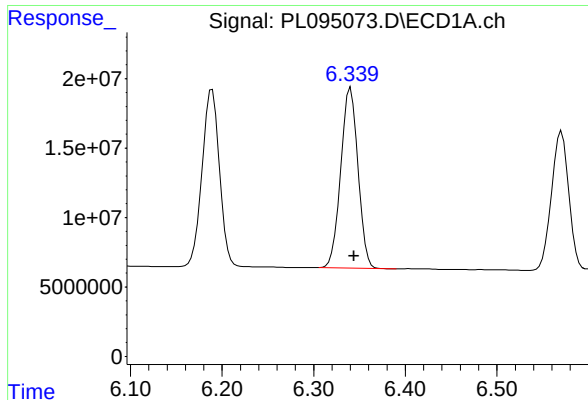
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 168555974
Conc: 57.29 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 256585818
Conc: 55.20 ng/ml



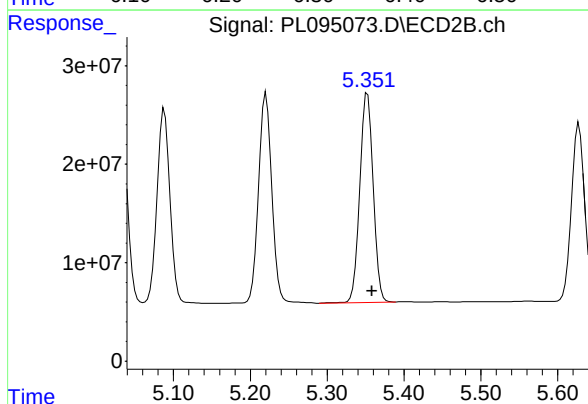
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 170042857
Conc: 53.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

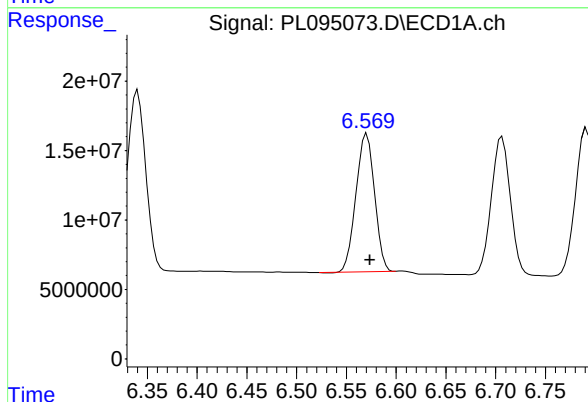
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



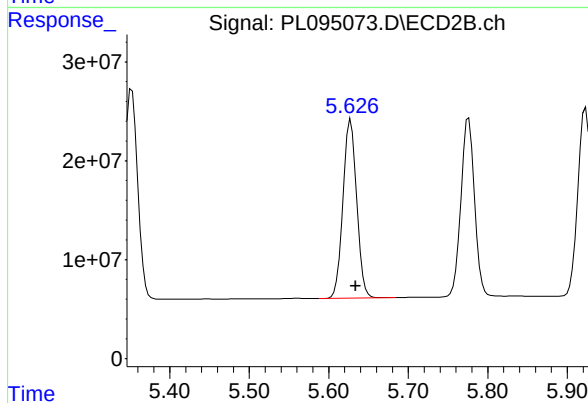
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 257589046
Conc: 53.09 ng/ml



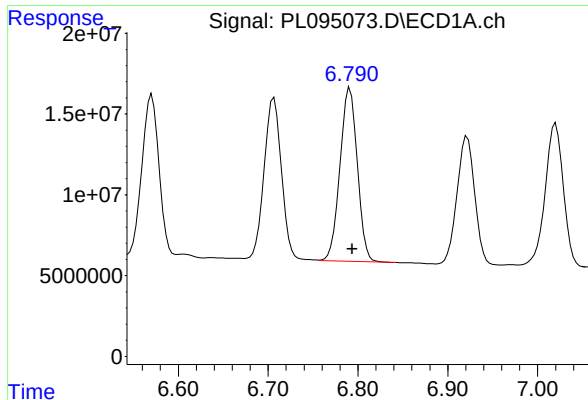
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 129191554
Conc: 46.60 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 216287994
Conc: 49.57 ng/ml



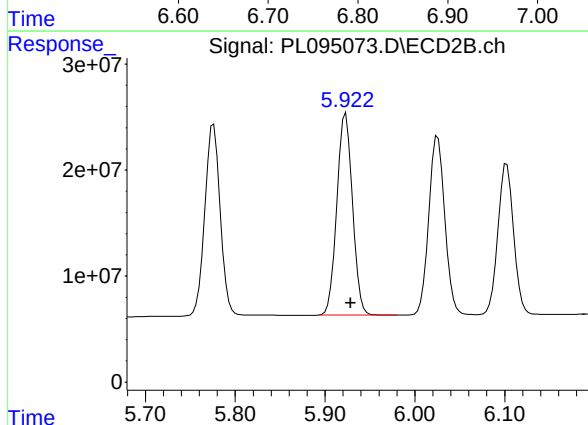
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 143735779
Conc: 52.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

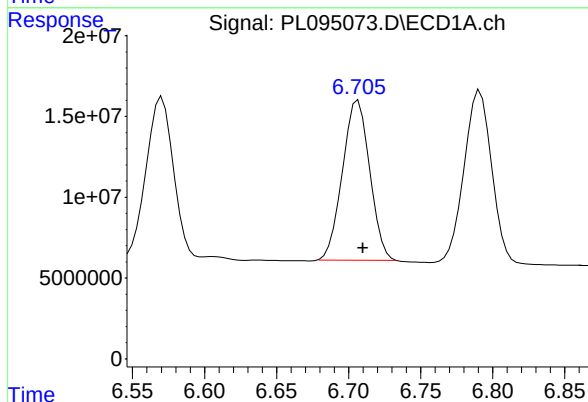
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



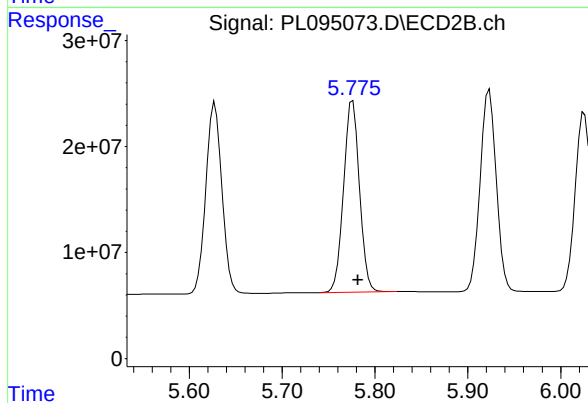
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 230166700
Conc: 53.18 ng/ml



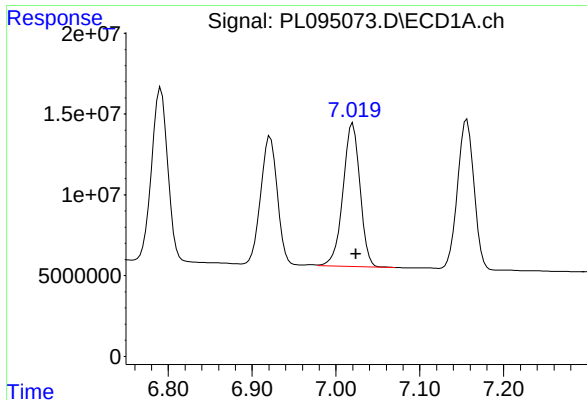
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.005 min
Response: 129781780
Conc: 59.92 ng/ml m



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 215288531
Conc: 59.87 ng/ml



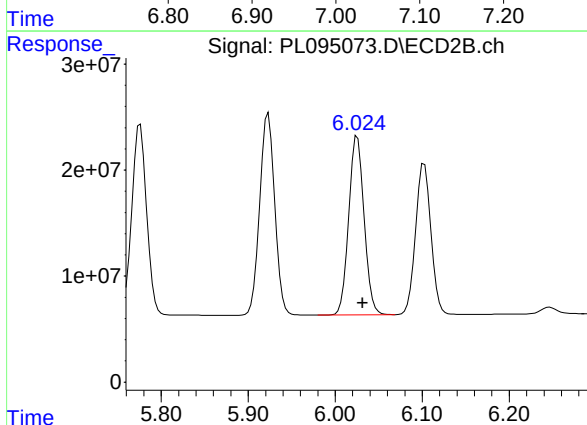
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 124776433
Conc: 52.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

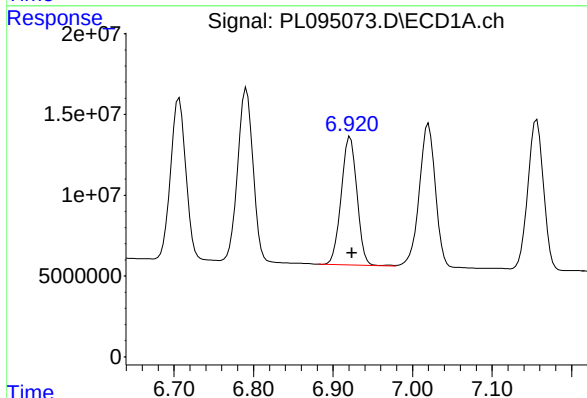
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



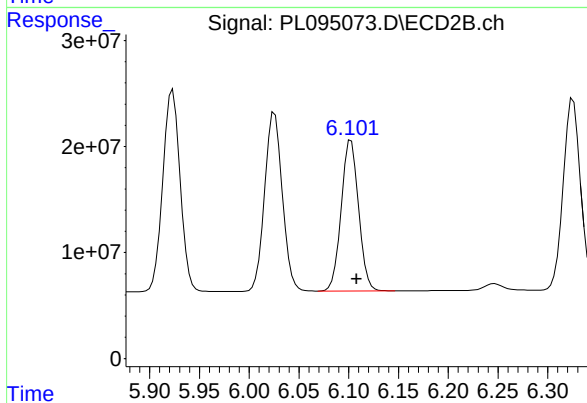
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 208639831
Conc: 51.74 ng/ml



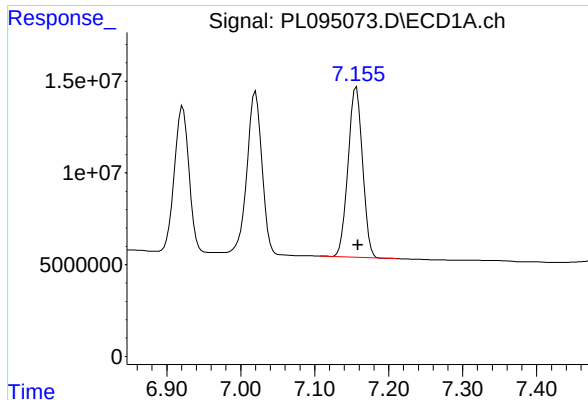
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 109540118
Conc: 51.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 172931006
Conc: 51.39 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.002 min
Response: 125910141
Conc: 51.77 ng/ml

Instrument :

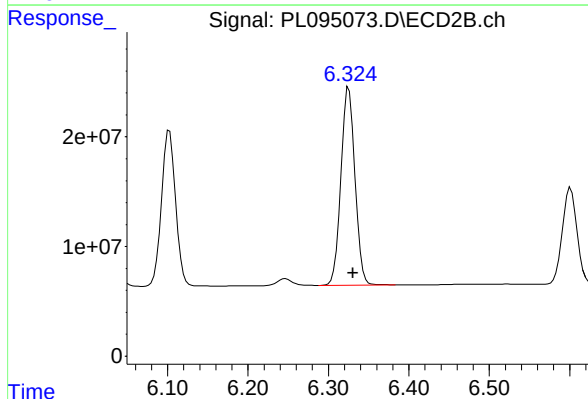
ECD_L

ClientSampleId :

PSTDCCC050

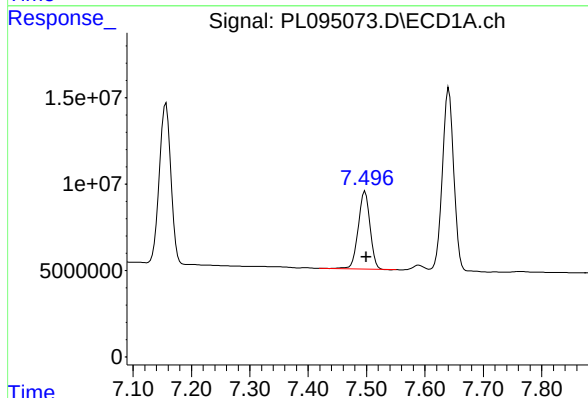
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



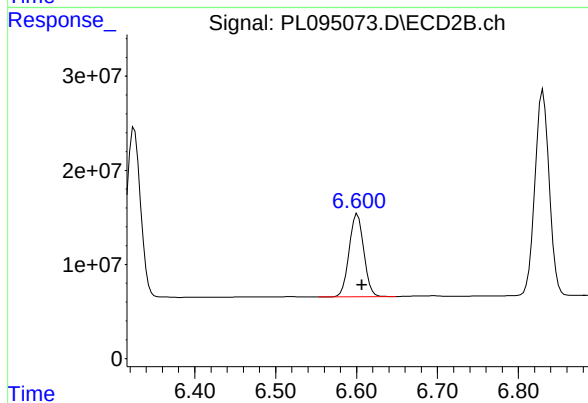
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 219425527
Conc: 53.87 ng/ml



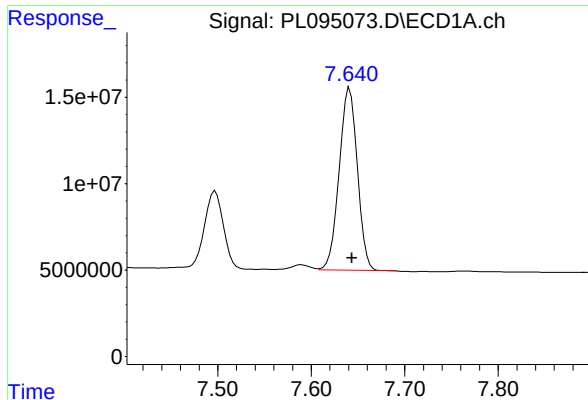
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 63441009
Conc: 53.00 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 110876420
Conc: 52.27 ng/ml



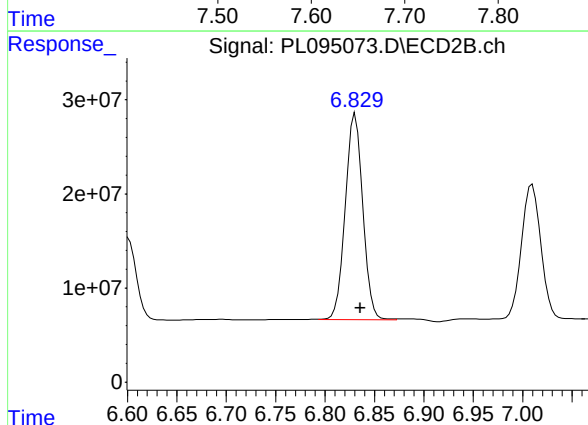
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 143101250
Conc: 54.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

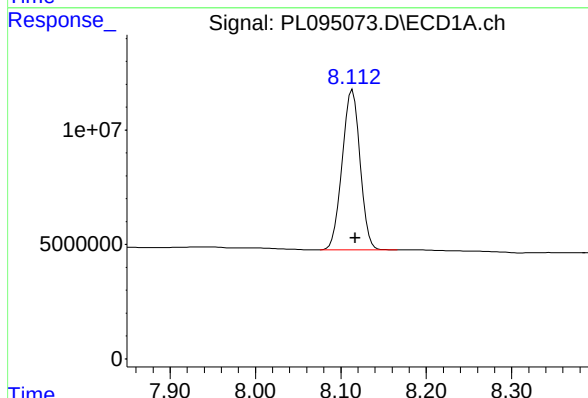
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



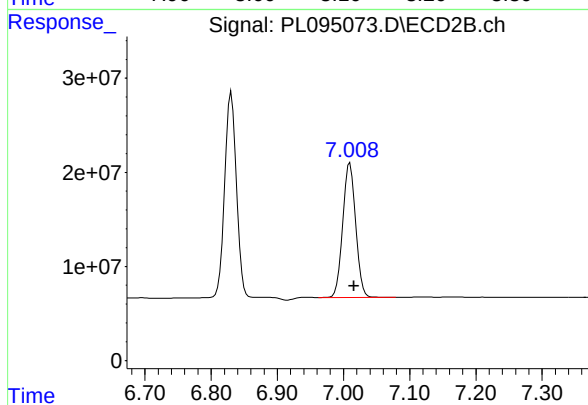
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 269462997
Conc: 56.46 ng/ml



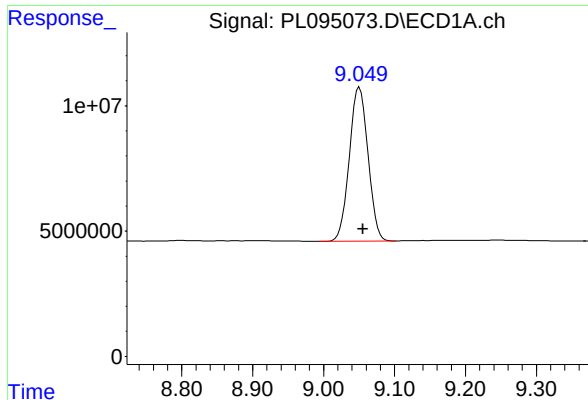
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 101993427
Conc: 49.36 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 195349245
Conc: 51.47 ng/ml



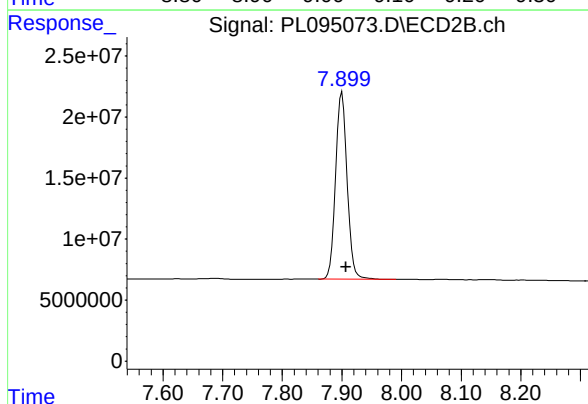
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 112214366
Conc: 53.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 206272441
Conc: 51.07 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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:07 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/07/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:07 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL02 Date Analyzed: 04/07/2025

Lab Sample No.: PSTDCCC050 Data File : PL095086.D Time Analyzed: 23:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.707	6.610	6.810	58.160	50.000	16.3
4,4'-DDE	6.190	6.093	6.293	53.940	50.000	7.9
4,4'-DDT	7.021	6.924	7.124	45.170	50.000	-9.7
Aldrin	5.253	5.156	5.356	47.390	50.000	-5.2
alpha-BHC	3.991	3.894	4.094	49.540	50.000	-0.9
alpha-Chlordane	6.015	5.918	6.118	48.900	50.000	-2.2
beta-BHC	4.523	4.425	4.625	48.420	50.000	-3.2
Decachlorobiphenyl	9.052	8.956	9.156	49.070	50.000	-1.9
delta-BHC	4.770	4.673	4.873	49.560	50.000	-0.9
Dieldrin	6.341	6.244	6.444	49.610	50.000	-0.8
Endosulfan I	6.066	5.969	6.169	49.000	50.000	-2.0
Endosulfan II	6.792	6.694	6.894	49.440	50.000	-1.1
Endosulfan sulfate	7.156	7.059	7.259	48.620	50.000	-2.8
Endrin	6.571	6.474	6.674	40.680	50.000	-18.6
Endrin aldehyde	6.921	6.824	7.024	48.200	50.000	-3.6
Endrin ketone	7.641	7.544	7.744	49.830	50.000	-0.3
gamma-BHC (Lindane)	4.324	4.227	4.427	48.780	50.000	-2.4
gamma-Chlordane	5.936	5.840	6.040	48.980	50.000	-2.0
Heptachlor	4.912	4.815	5.015	45.530	50.000	-8.9
Heptachlor epoxide	5.680	5.583	5.783	48.080	50.000	-3.8
Methoxychlor	7.498	7.400	7.600	45.140	50.000	-9.7
Tetrachloro-m-xylene	3.536	3.438	3.638	50.080	50.000	0.2



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL02 Date Analyzed: 04/07/2025

Lab Sample No.: PSTDCCC050 Data File : PL095086.D Time Analyzed: 23:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.777	5.682	5.882	56.700	50.000	13.4
4,4'-DDE	5.221	5.127	5.327	53.430	50.000	6.9
4,4'-DDT	6.026	5.932	6.132	44.160	50.000	-11.7
Aldrin	4.216	4.122	4.322	52.470	50.000	4.9
alpha-BHC	3.270	3.174	3.374	55.210	50.000	10.4
alpha-Chlordane	5.033	4.938	5.138	50.600	50.000	1.2
beta-BHC	3.901	3.805	4.005	54.760	50.000	9.5
Decachlorobiphenyl	7.901	7.807	8.007	40.430	50.000	-19.1
delta-BHC	4.129	4.033	4.233	55.160	50.000	10.3
Dieldrin	5.353	5.258	5.458	50.900	50.000	1.8
Endosulfan I	5.089	4.994	5.194	50.390	50.000	0.8
Endosulfan II	5.924	5.829	6.029	48.680	50.000	-2.6
Endosulfan sulfate	6.326	6.231	6.431	48.880	50.000	-2.2
Endrin	5.628	5.534	5.734	43.740	50.000	-12.5
Endrin aldehyde	6.103	6.008	6.208	47.380	50.000	-5.2
Endrin ketone	6.831	6.736	6.936	52.240	50.000	4.5
gamma-BHC (Lindane)	3.600	3.504	3.704	54.650	50.000	9.3
gamma-Chlordane	4.969	4.874	5.074	51.040	50.000	2.1
Heptachlor	3.938	3.842	4.042	50.140	50.000	0.3
Heptachlor epoxide	4.719	4.625	4.825	51.090	50.000	2.2
Methoxychlor	6.602	6.507	6.707	42.160	50.000	-15.7
Tetrachloro-m-xylene	2.769	2.672	2.872	54.430	50.000	8.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 23:07
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 08 02:24:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.769	141.8E6	194.3E6	50.084	54.429
28) SA Decachlor...	9.052	7.901	103.4E6	163.3E6	49.073	40.430
Target Compounds						
2) A alpha-BHC	3.991	3.270	205.7E6	297.6E6	49.542	55.208
3) MA gamma-BHC...	4.324	3.600	194.6E6	280.9E6	48.781	54.649
4) MA Heptachlor	4.912	3.938	176.7E6	264.2E6	45.532	50.142
5) MB Aldrin	5.253	4.216	175.0E6	255.9E6	47.389	52.469
6) B beta-BHC	4.523	3.901	89349436	121.6E6	48.422	54.760
7) B delta-BHC	4.770	4.129	193.0E6	275.9E6	49.557	55.164
8) B Heptachlo...	5.680	4.719	160.8E6	233.9E6	48.076	51.086
9) A Endosulfan I	6.066	5.089	150.5E6	221.1E6	49.005	50.386
10) B gamma-Chl...	5.936	4.969	165.0E6	246.5E6	48.977	51.042
11) B alpha-Chl...	6.015	5.033	161.2E6	241.5E6	48.904	50.598
12) B 4,4'-DDE	6.190	5.221	158.7E6	248.3E6	53.945	53.425
13) MA Dieldrin	6.341	5.353	158.7E6	247.0E6	49.609	50.905
14) MA Endrin	6.571	5.628	112.8E6	190.9E6	40.680	43.738
15) B Endosulfa...	6.792	5.924	134.2E6	210.7E6	49.438	48.677
16) A 4,4'-DDD	6.707	5.777	126.0E6	203.9E6	58.164	56.701
17) MA 4,4'-DDT	7.021	6.026	107.4E6	178.0E6	45.172	44.157
18) B Endrin al...	6.921	6.103	101.7E6	159.4E6	48.198	47.375
19) B Endosulfa...	7.156	6.326	118.3E6	199.1E6	48.624	48.882
20) A Methoxychlor	7.498	6.602	54034579	89422624	45.139	42.159
21) B Endrin ke...	7.641	6.831	131.7E6	249.3E6	49.826	52.243
22) Mirex	8.114	7.010	90895735	168.1E6	43.990	44.299

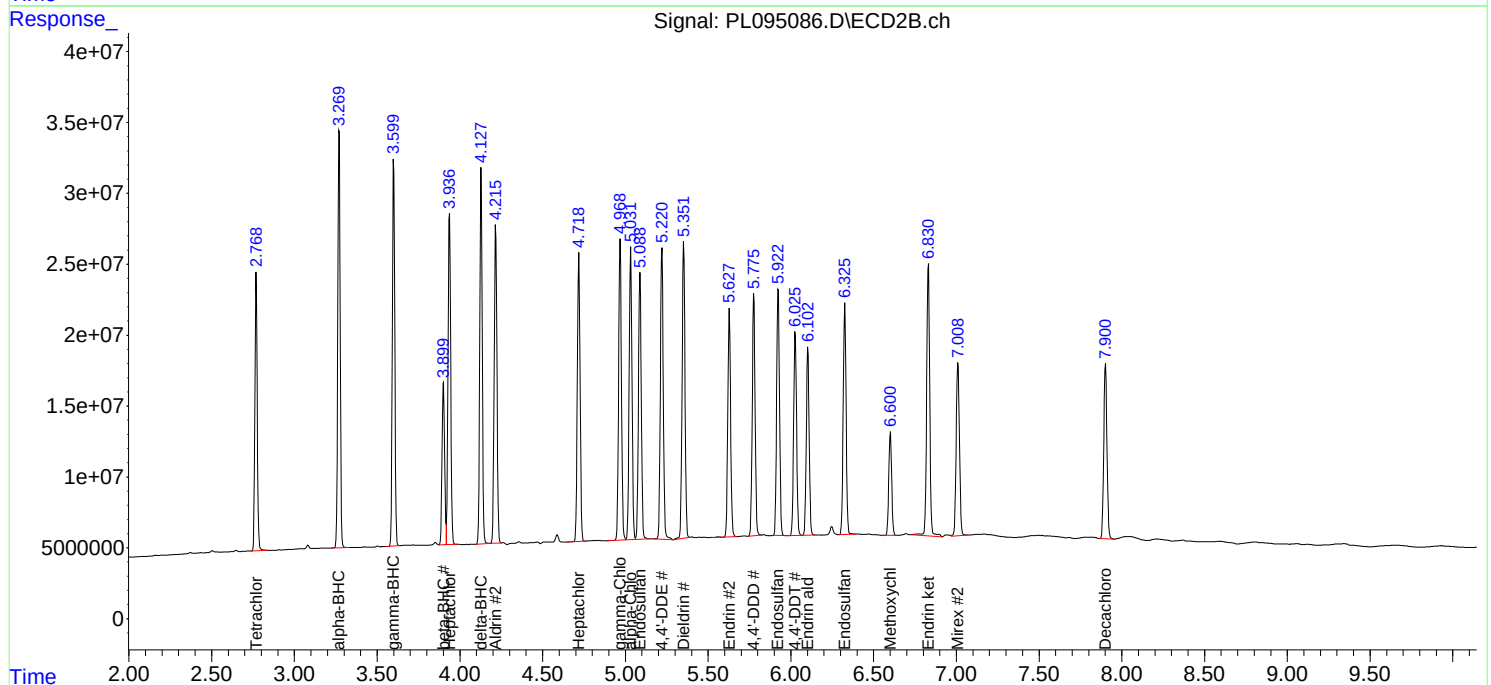
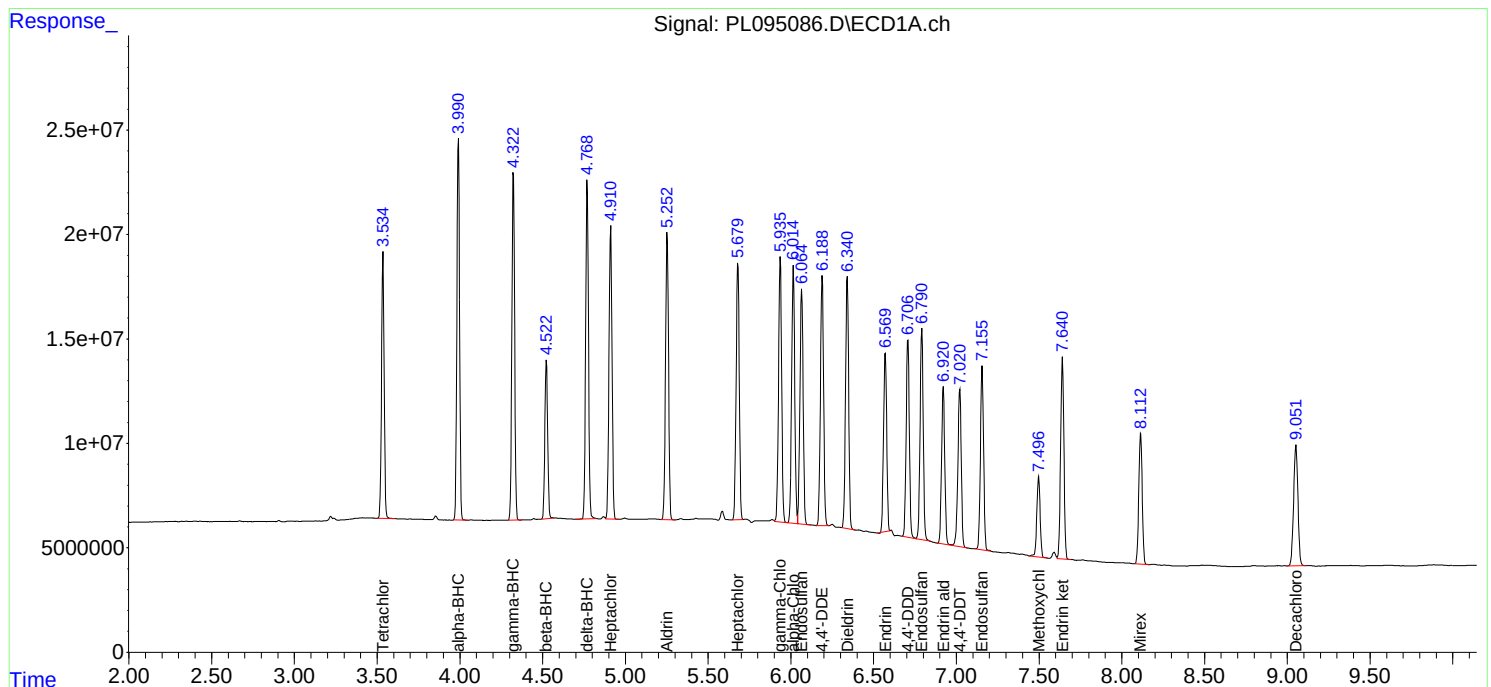
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

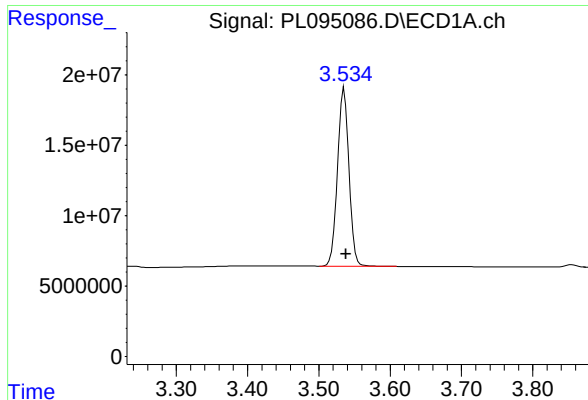
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 23:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:24:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

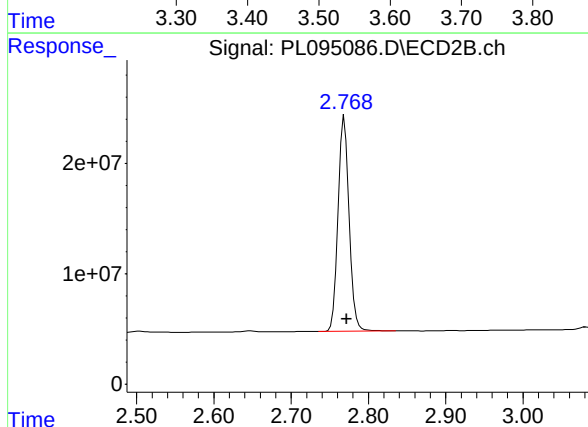




#1 Tetrachloro-m-xylene

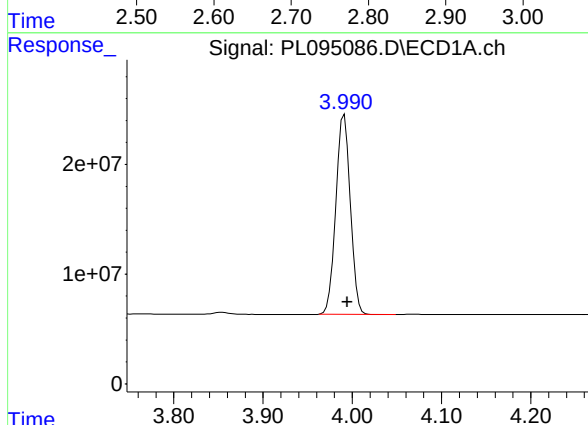
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 141770539
Conc: 50.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



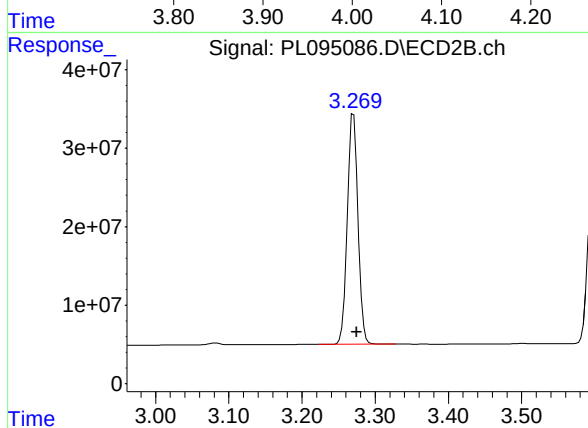
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 194272928
Conc: 54.43 ng/ml



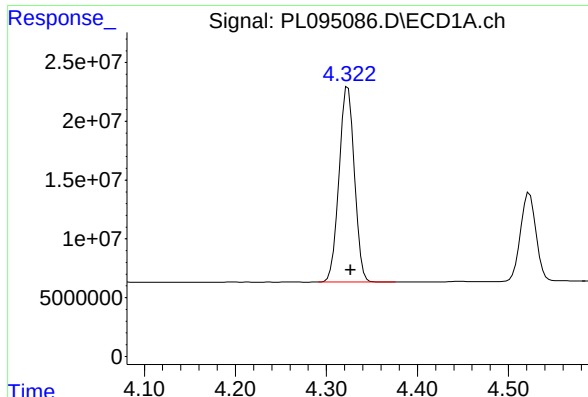
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 205717267
Conc: 49.54 ng/ml



#2 alpha-BHC

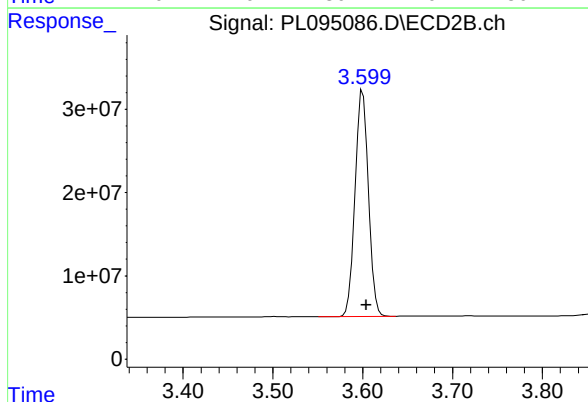
R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 297644988
Conc: 55.21 ng/ml



#3 gamma-BHC (Lindane)

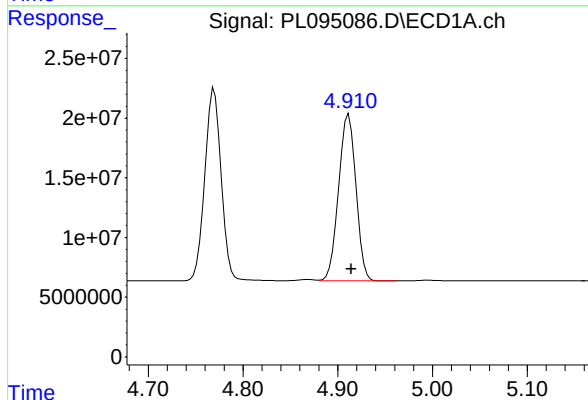
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 194647979
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



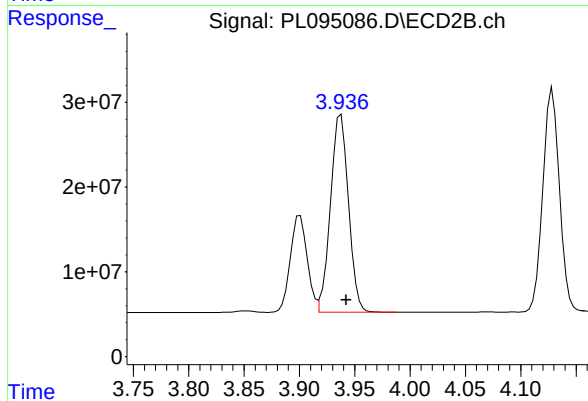
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 280863677
Conc: 54.65 ng/ml



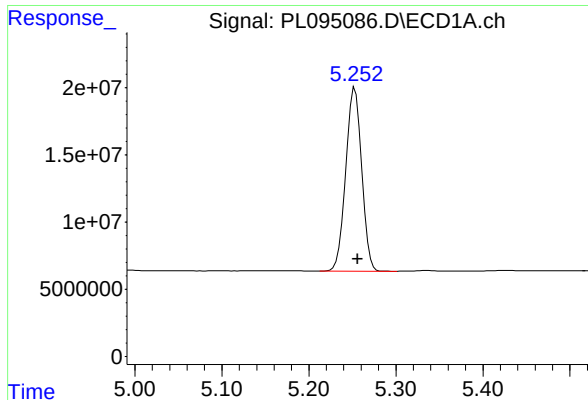
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 176739561
Conc: 45.53 ng/ml



#4 Heptachlor

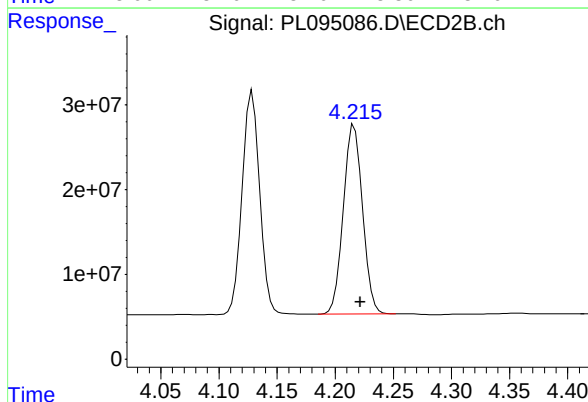
R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 264182044
Conc: 50.14 ng/ml



#5 Aldrin

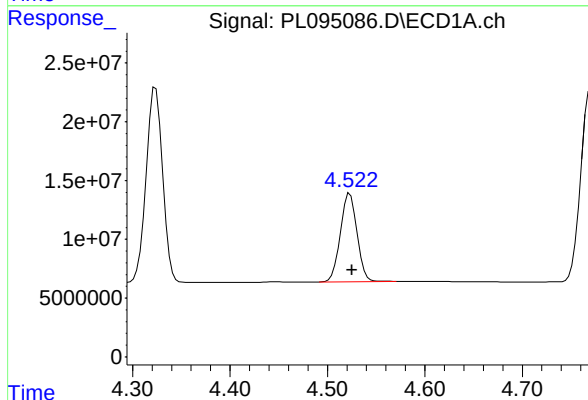
R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 174971063
Conc: 47.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



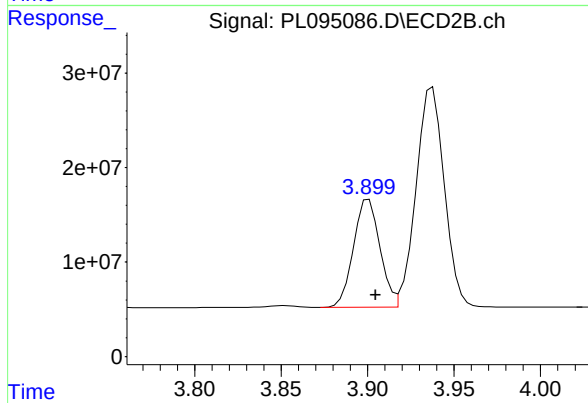
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 255855475
Conc: 52.47 ng/ml



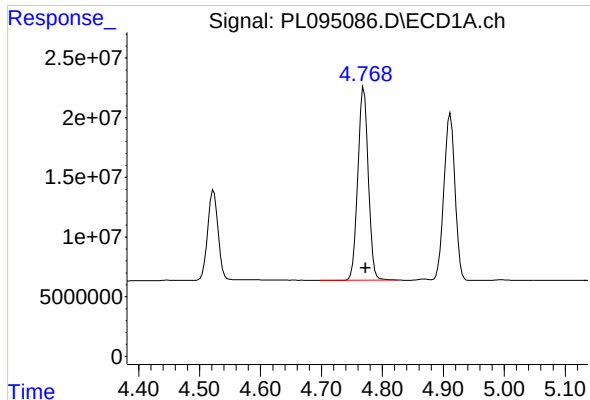
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 89349436
Conc: 48.42 ng/ml



#6 beta-BHC

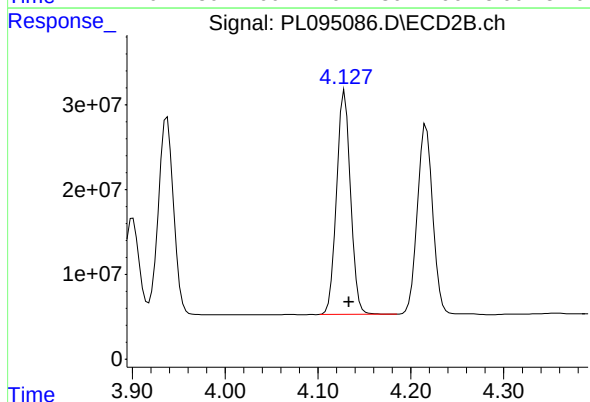
R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 121637697
Conc: 54.76 ng/ml



#7 delta-BHC

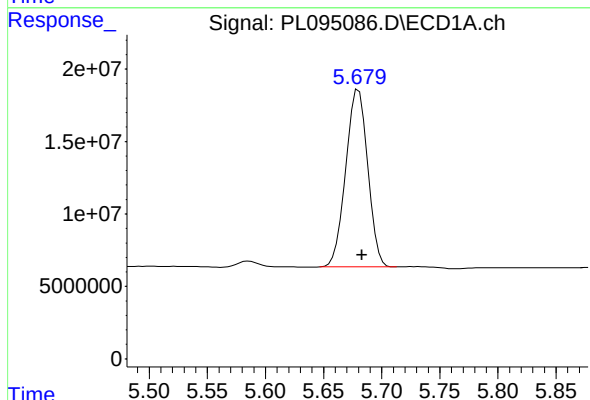
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 192990882
Conc: 49.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



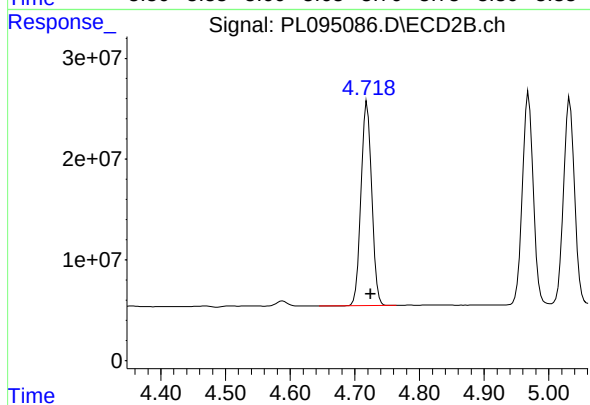
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.004 min
Response: 275930181
Conc: 55.16 ng/ml



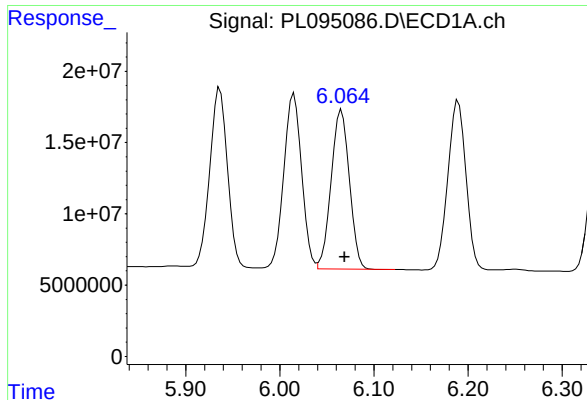
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 160823144
Conc: 48.08 ng/ml



#8 Heptachlor epoxide

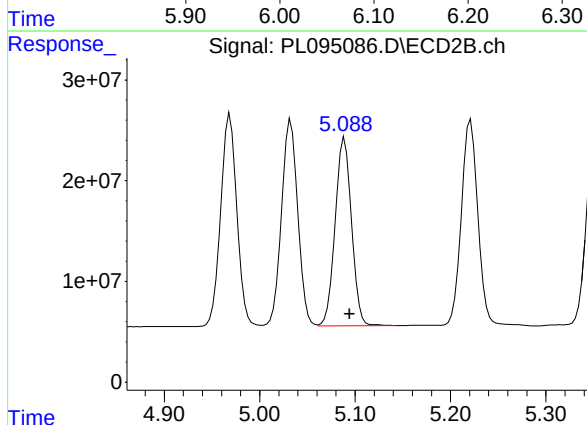
R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 233900183
Conc: 51.09 ng/ml



#9 Endosulfan I

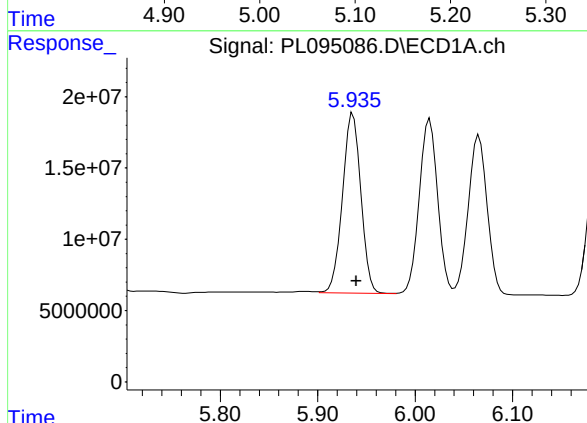
R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 150454308
Conc: 49.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



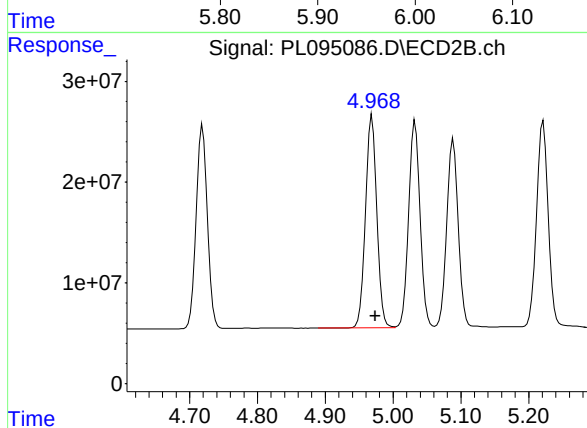
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 221129043
Conc: 50.39 ng/ml



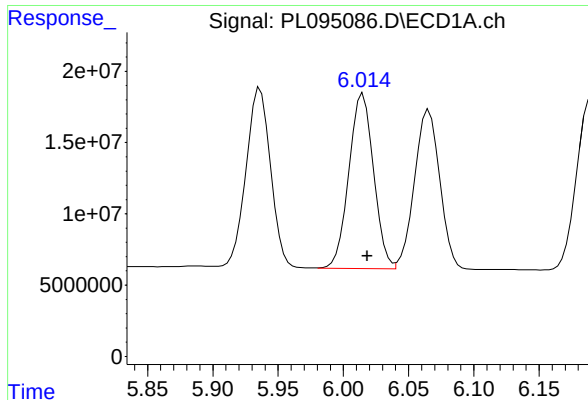
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 165020273
Conc: 48.98 ng/ml



#10 gamma-Chlordane

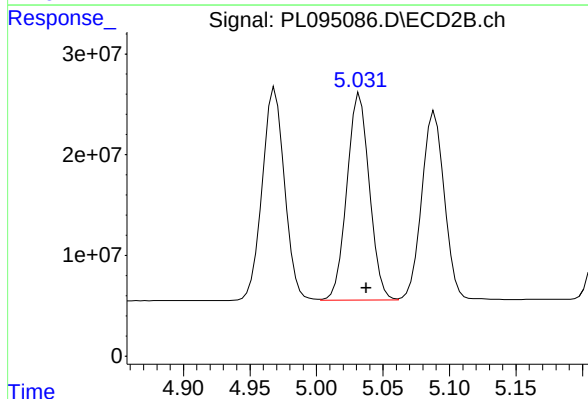
R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 246450580
Conc: 51.04 ng/ml



#11 alpha-Chlordane

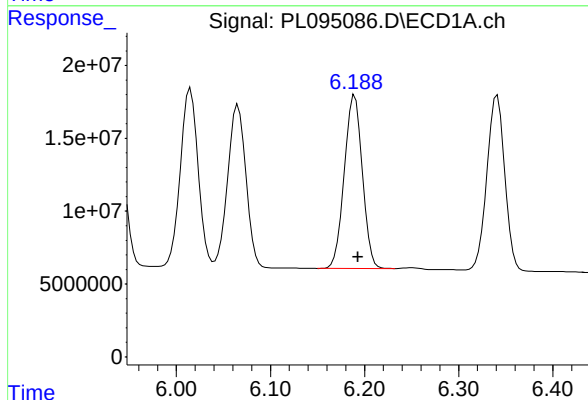
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 161227168
Conc: 48.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



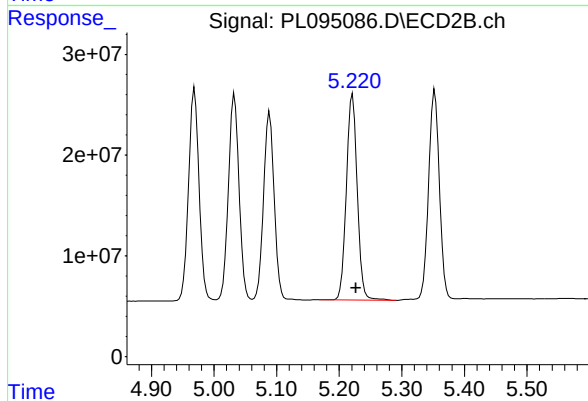
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 241494156
Conc: 50.60 ng/ml



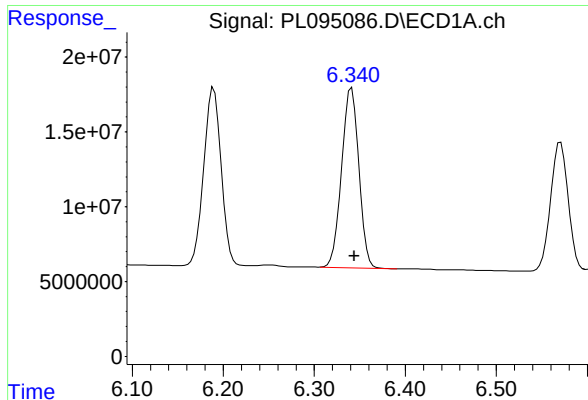
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 158709064
Conc: 53.94 ng/ml



#12 4,4'-DDE

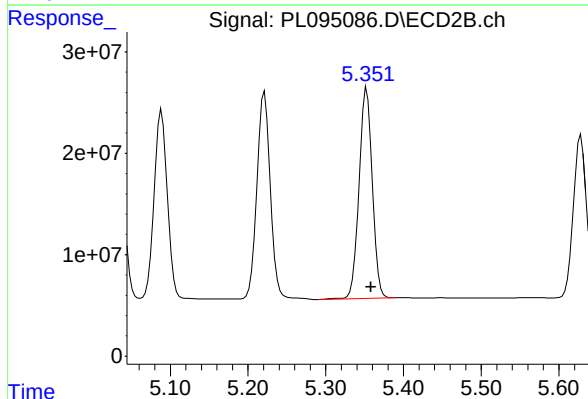
R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 248349066
Conc: 53.43 ng/ml



#13 Dieldrin

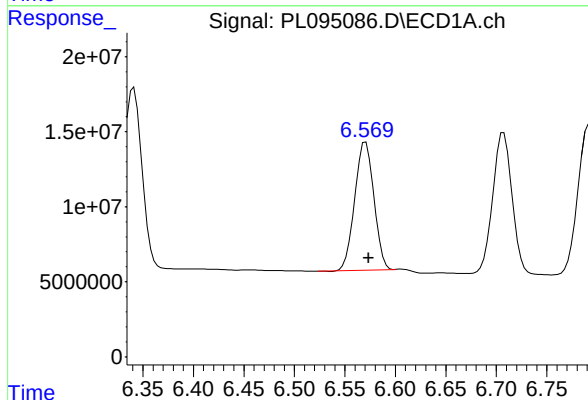
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 158656900
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



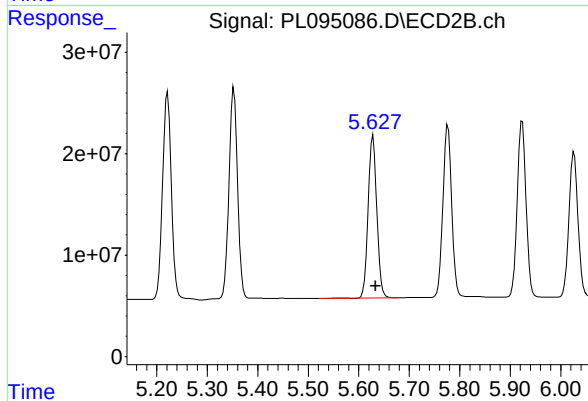
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 246979682
Conc: 50.90 ng/ml



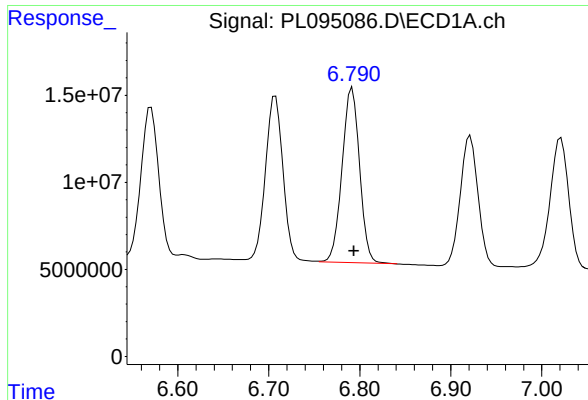
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 112769339
Conc: 40.68 ng/ml



#14 Endrin

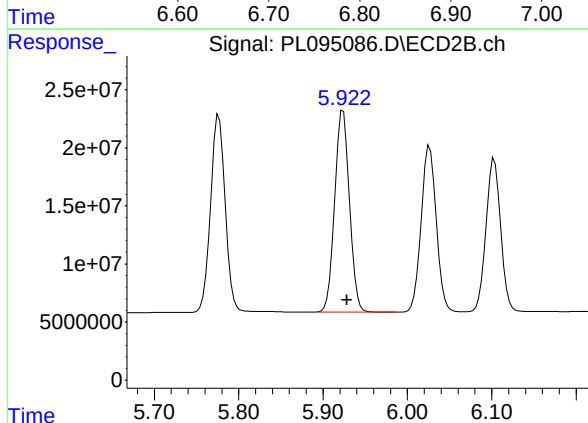
R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 190857431
Conc: 43.74 ng/ml



#15 Endosulfan II

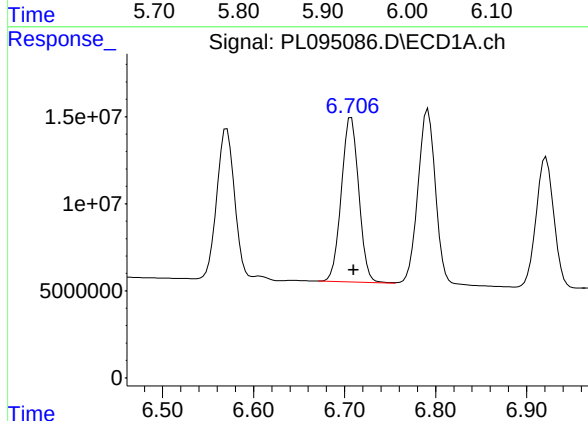
R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 134212435
Conc: 49.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



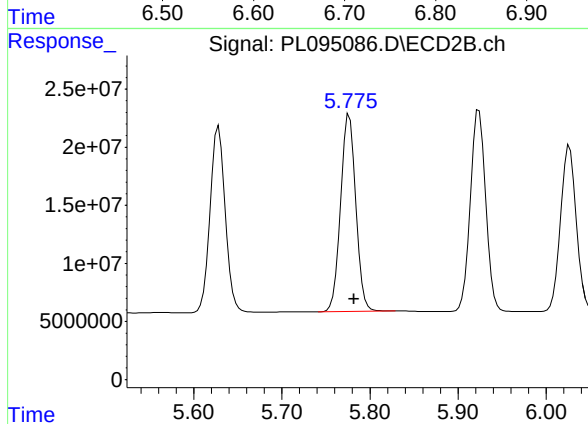
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 210688406
Conc: 48.68 ng/ml



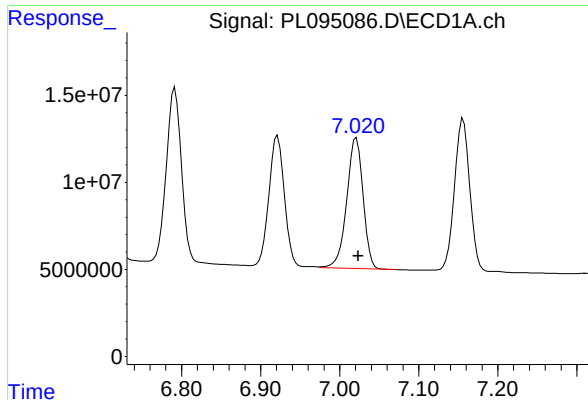
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 125986787
Conc: 58.16 ng/ml



#16 4,4'-DDD

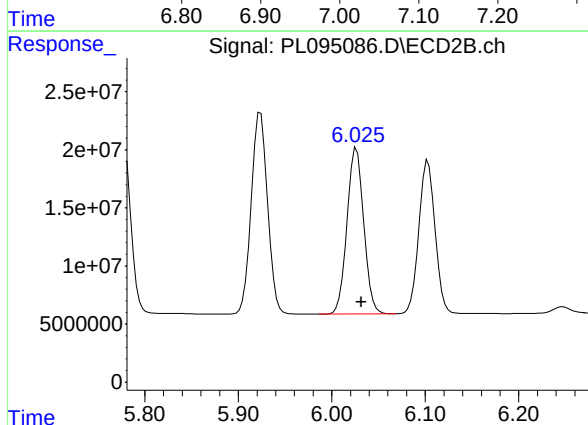
R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 203892236
Conc: 56.70 ng/ml



#17 4,4'-DDT

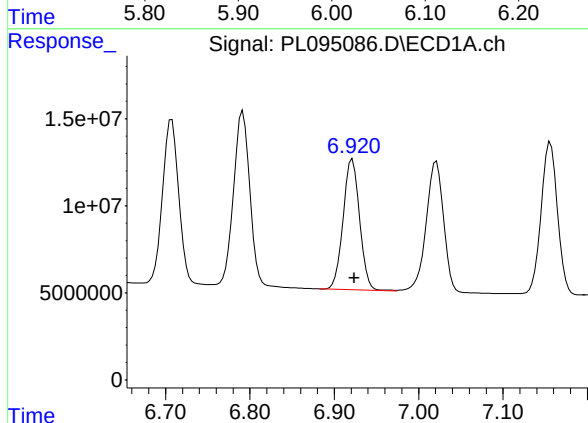
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 107443983
Conc: 45.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



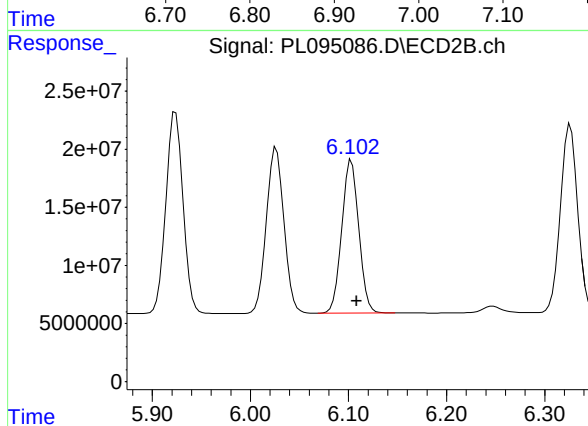
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.005 min
Response: 178046192
Conc: 44.16 ng/ml



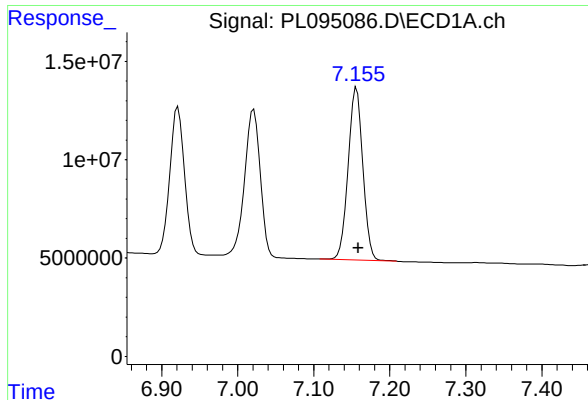
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 101745230
Conc: 48.20 ng/ml



#18 Endrin aldehyde

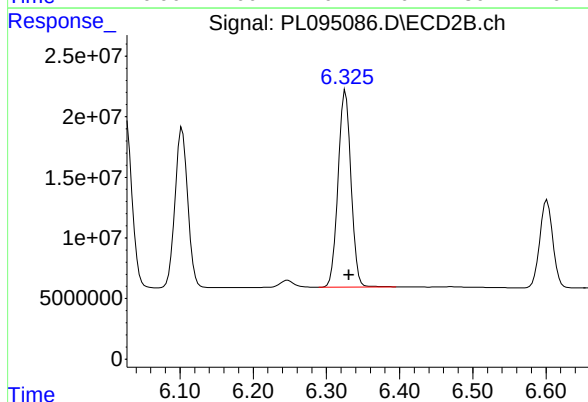
R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 159435327
Conc: 47.38 ng/ml



#19 Endosulfan Sulfate

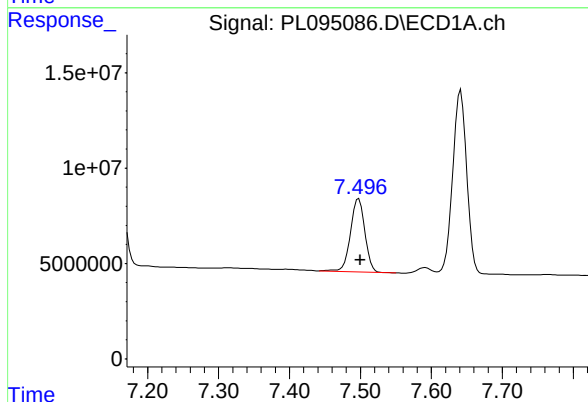
R.T.: 7.156 min
Delta R.T.: -0.002 min
Response: 118253951
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



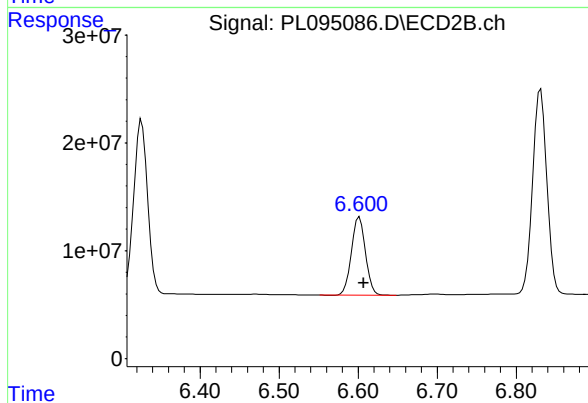
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 199118094
Conc: 48.88 ng/ml



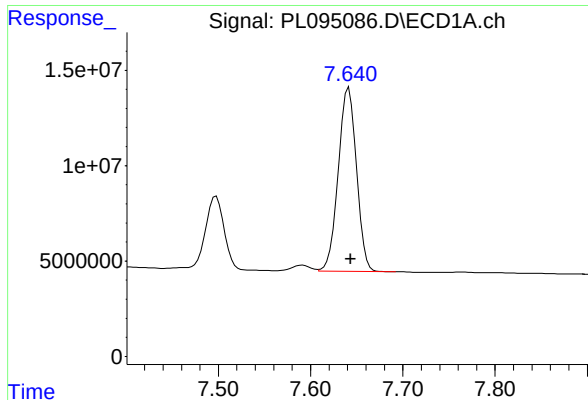
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 54034579
Conc: 45.14 ng/ml



#20 Methoxychlor

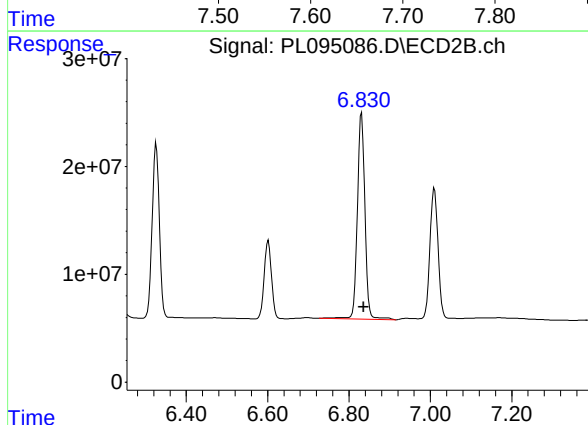
R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 89422624
Conc: 42.16 ng/ml



#21 Endrin ketone

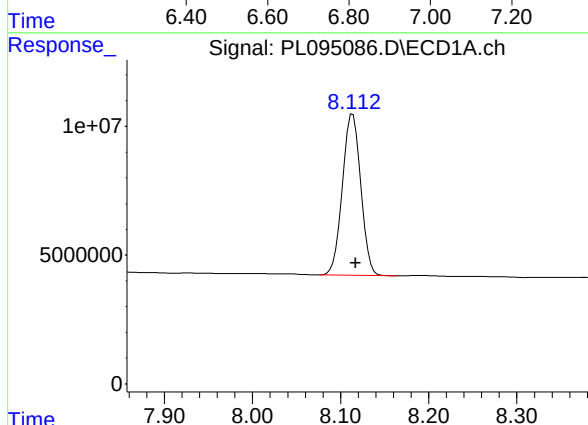
R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 131703865
Conc: 49.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



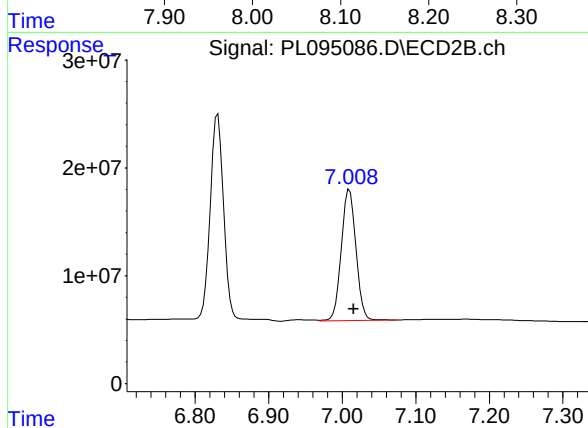
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 249333416
Conc: 52.24 ng/ml



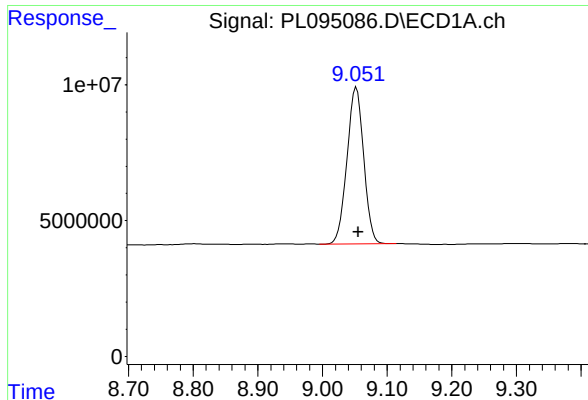
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 90895735
Conc: 43.99 ng/ml



#22 Mirex

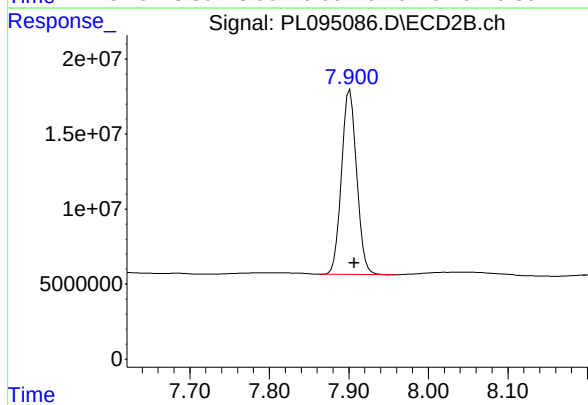
R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 168130062
Conc: 44.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 103419875
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 163311309
Conc: 40.43 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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/08/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.01	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/08/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.01
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL03 Date Analyzed: 04/08/2025

Lab Sample No.: PSTDCCC050 Data File : PL095097.D Time Analyzed: 10:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.610	6.810	53.840	50.000	7.7
4,4'-DDE	6.189	6.093	6.293	51.940	50.000	3.9
4,4'-DDT	7.020	6.924	7.124	51.080	50.000	2.2
Aldrin	5.252	5.156	5.356	44.860	50.000	-10.3
alpha-BHC	3.991	3.894	4.094	45.950	50.000	-8.1
alpha-Chlordane	6.014	5.918	6.118	46.820	50.000	-6.4
beta-BHC	4.523	4.425	4.625	45.170	50.000	-9.7
Decachlorobiphenyl	9.051	8.956	9.156	49.870	50.000	-0.3
delta-BHC	4.770	4.673	4.873	45.750	50.000	-8.5
Dieldrin	6.341	6.244	6.444	47.300	50.000	-5.4
Endosulfan I	6.065	5.969	6.169	47.170	50.000	-5.7
Endosulfan II	6.791	6.694	6.894	48.910	50.000	-2.2
Endosulfan sulfate	7.156	7.059	7.259	47.750	50.000	-4.5
Endrin	6.569	6.474	6.674	46.740	50.000	-6.5
Endrin aldehyde	6.921	6.824	7.024	48.160	50.000	-3.7
Endrin ketone	7.641	7.544	7.744	48.460	50.000	-3.1
gamma-BHC (Lindane)	4.323	4.227	4.427	45.830	50.000	-8.3
gamma-Chlordane	5.936	5.840	6.040	46.350	50.000	-7.3
Heptachlor	4.911	4.815	5.015	44.510	50.000	-11.0
Heptachlor epoxide	5.678	5.583	5.783	45.930	50.000	-8.1
Methoxychlor	7.497	7.400	7.600	52.700	50.000	5.4
Tetrachloro-m-xylene	3.535	3.438	3.638	45.390	50.000	-9.2



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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL03 Date Analyzed: 04/08/2025

Lab Sample No.: PSTDCCC050 Data File : PL095097.D Time Analyzed: 10:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.776	5.682	5.882	51.550	50.000	3.1
4,4'-DDE	5.219	5.127	5.327	49.470	50.000	-1.1
4,4'-DDT	6.026	5.932	6.132	51.000	50.000	2.0
Aldrin	4.216	4.122	4.322	48.130	50.000	-3.7
alpha-BHC	3.270	3.174	3.374	49.810	50.000	-0.4
alpha-Chlordane	5.032	4.938	5.138	48.260	50.000	-3.5
beta-BHC	3.900	3.805	4.005	49.180	50.000	-1.6
Decachlorobiphenyl	7.901	7.807	8.007	46.040	50.000	-7.9
delta-BHC	4.128	4.033	4.233	50.090	50.000	0.2
Dieldrin	5.350	5.258	5.458	47.810	50.000	-4.4
Endosulfan I	5.088	4.994	5.194	48.200	50.000	-3.6
Endosulfan II	5.923	5.829	6.029	47.390	50.000	-5.2
Endosulfan sulfate	6.325	6.231	6.431	48.780	50.000	-2.4
Endrin	5.628	5.534	5.734	48.740	50.000	-2.5
Endrin aldehyde	6.102	6.008	6.208	47.840	50.000	-4.3
Endrin ketone	6.829	6.736	6.936	47.620	50.000	-4.8
gamma-BHC (Lindane)	3.598	3.504	3.704	48.860	50.000	-2.3
gamma-Chlordane	4.969	4.874	5.074	48.300	50.000	-3.4
Heptachlor	3.937	3.842	4.042	47.700	50.000	-4.6
Heptachlor epoxide	4.718	4.625	4.825	47.590	50.000	-4.8
Methoxychlor	6.601	6.507	6.707	51.900	50.000	3.8
Tetrachloro-m-xylene	2.768	2.672	2.872	48.810	50.000	-2.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095097.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 10:02
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:40:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	128.5E6	174.2E6	45.388	48.813
28) SA Decachlor...	9.051	7.901	105.1E6	186.0E6	49.865	46.037
Target Compounds						
2) A alpha-BHC	3.991	3.270	190.8E6	268.5E6	45.952	49.806
3) MA gamma-BHC...	4.323	3.598	182.9E6	251.1E6	45.832	48.856m
4) MA Heptachlor	4.911	3.937	172.8E6	251.3E6	44.508	47.702
5) MB Aldrin	5.252	4.216	165.6E6	234.7E6	44.861	48.127
6) B beta-BHC	4.523	3.900	83344828	109.2E6	45.168	49.177
7) B delta-BHC	4.770	4.128	178.2E6	250.5E6	45.751	50.088
8) B Heptachlo...	5.678	4.718	153.7E6	217.9E6	45.935m	47.593
9) A Endosulfan I	6.065	5.088	144.8E6	211.6E6	47.167	48.205
10) B gamma-Chl...	5.936	4.969	156.2E6	233.2E6	46.348	48.304
11) B alpha-Chl...	6.014	5.032	154.4E6	230.3E6	46.819	48.260
12) B 4,4'-DDE	6.189	5.219	152.8E6	230.0E6	51.936	49.474m
13) MA Dieldrin	6.341	5.350	151.3E6	232.0E6	47.303	47.811m
14) MA Endrin	6.569	5.628	129.6E6	212.7E6	46.737m	48.738
15) B Endosulfa...	6.791	5.923	132.8E6	205.1E6	48.912	47.388
16) A 4,4'-DDD	6.706	5.776	116.6E6	185.4E6	53.838	51.546
17) MA 4,4'-DDT	7.020	6.026	121.5E6	205.6E6	51.078	50.999
18) B Endrin al...	6.921	6.102	101.7E6	161.0E6	48.163	47.838
19) B Endosulfa...	7.156	6.325	116.1E6	198.7E6	47.751	48.784
20) A Methoxychlor	7.497	6.601	63089642	110.1E6	52.703	51.901
21) B Endrin ke...	7.641	6.829	128.1E6	227.3E6	48.458	47.616m
22) Mirex	8.113	7.008	93002462	172.0E6	45.009	45.317m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

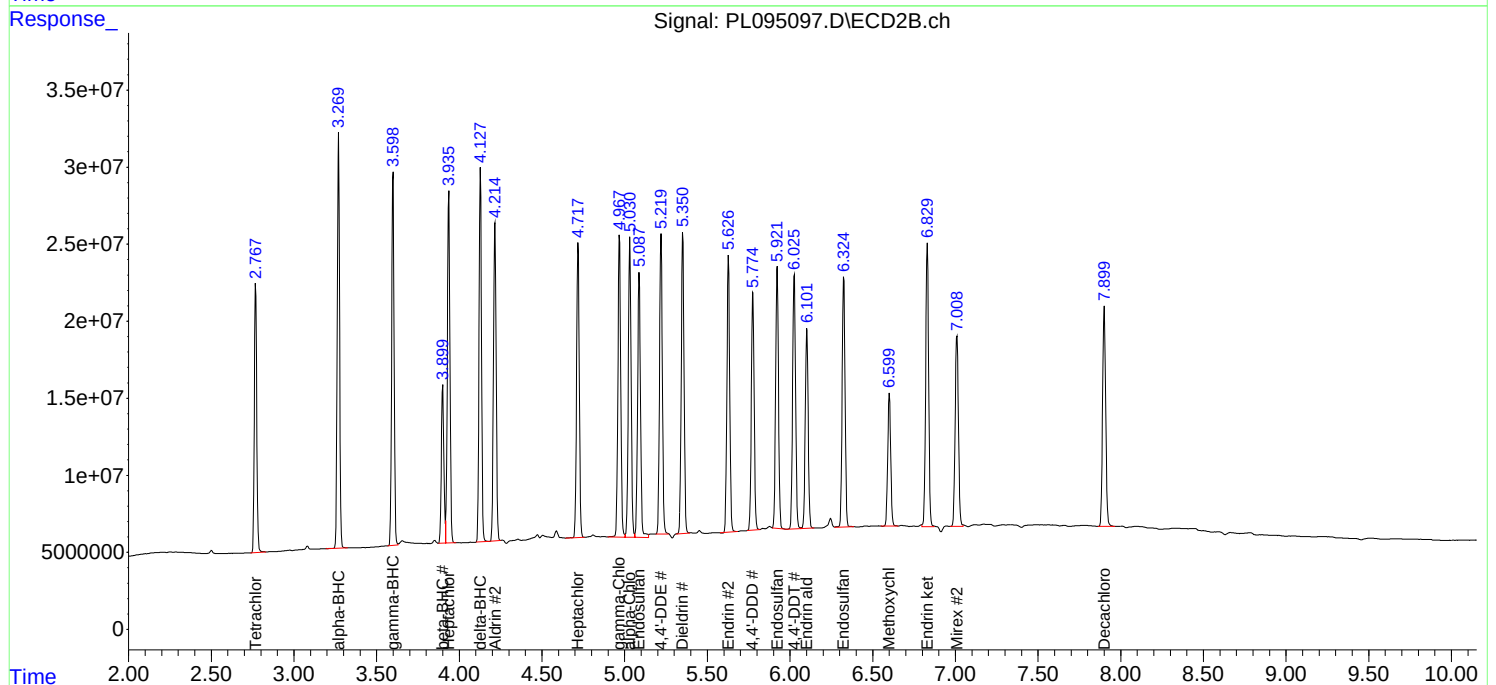
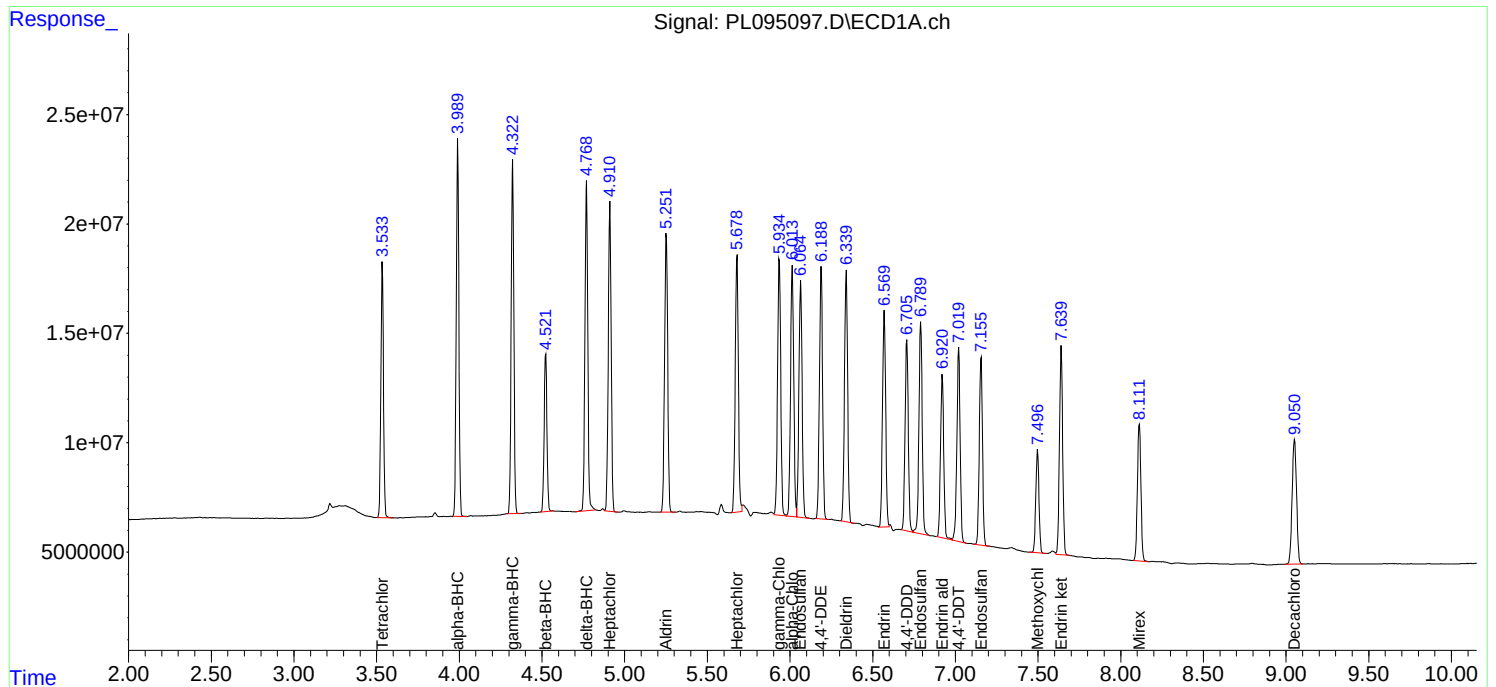
APPROVED

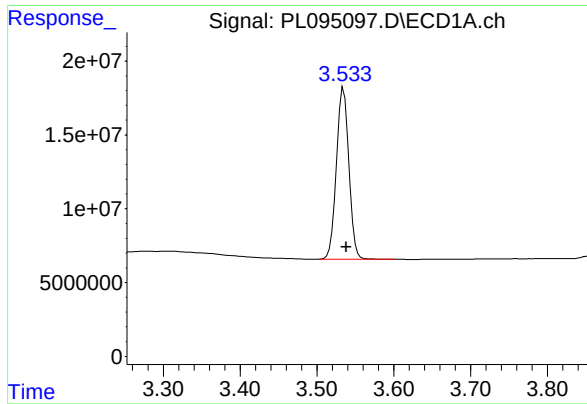
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:40:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





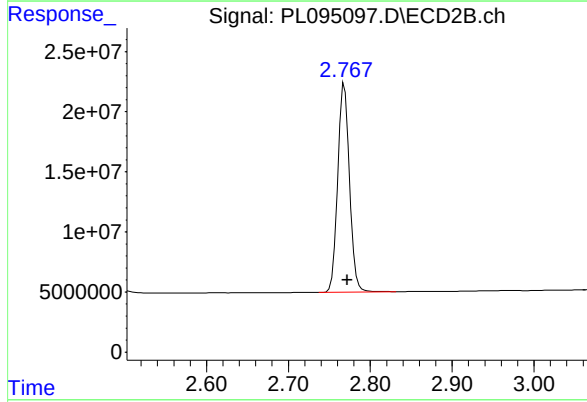
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 128477324
Conc: 45.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

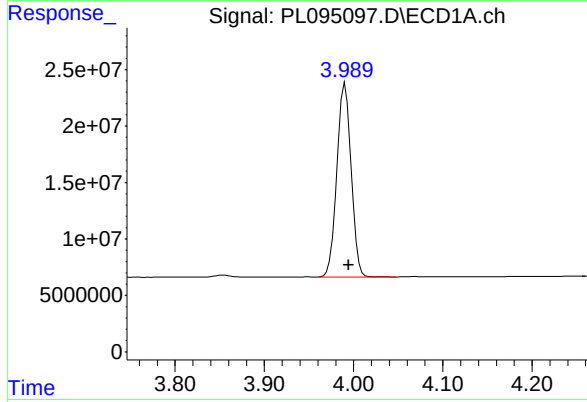
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



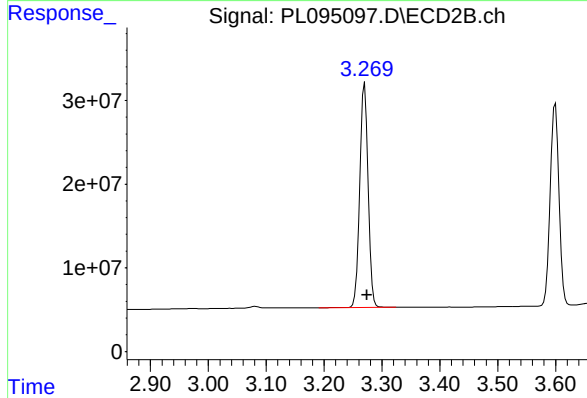
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.003 min
Response: 174227744
Conc: 48.81 ng/ml



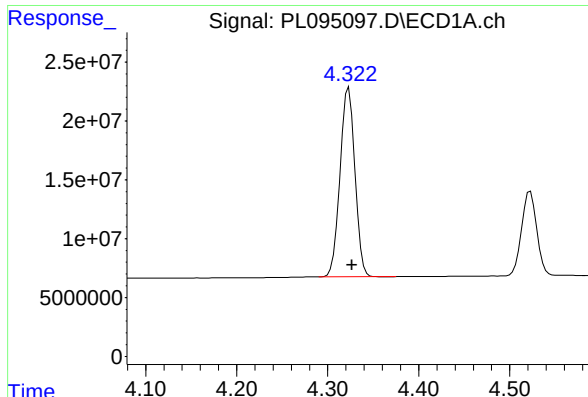
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.004 min
Response: 190810176
Conc: 45.95 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 268523513
Conc: 49.81 ng/ml



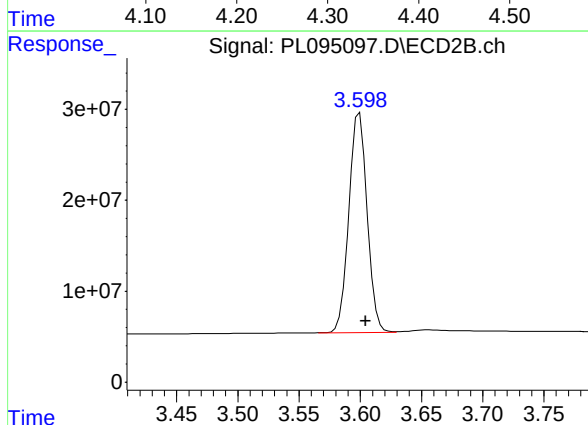
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 182881746
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

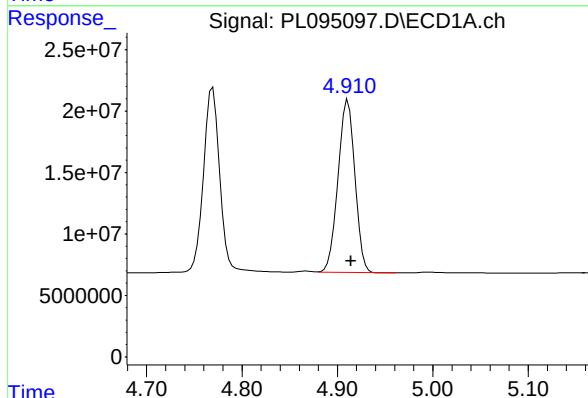
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



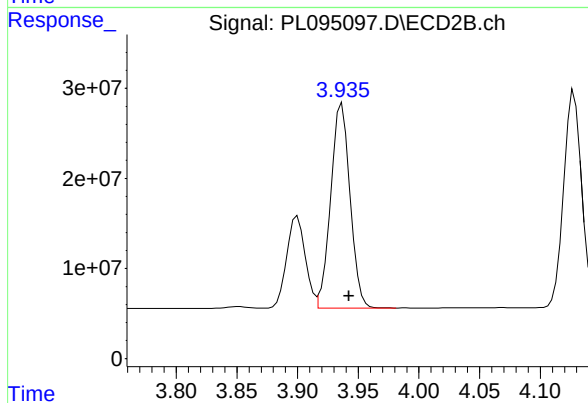
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: -0.006 min
Response: 251093933
Conc: 48.86 ng/ml



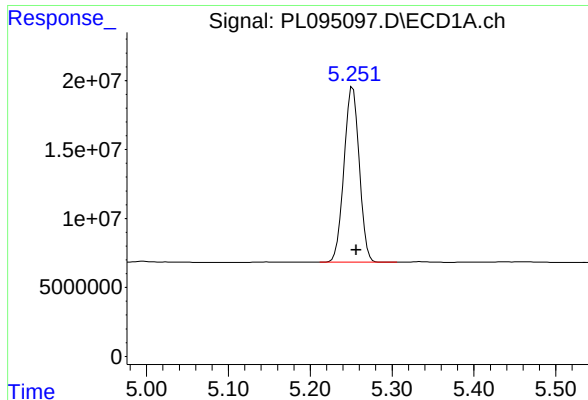
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 172765266
Conc: 44.51 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 251324239
Conc: 47.70 ng/ml



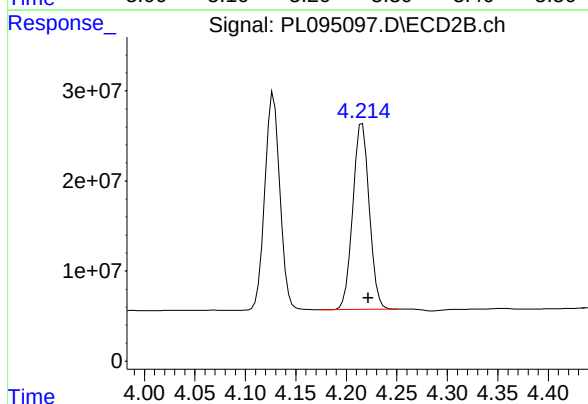
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 165636134
Conc: 44.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

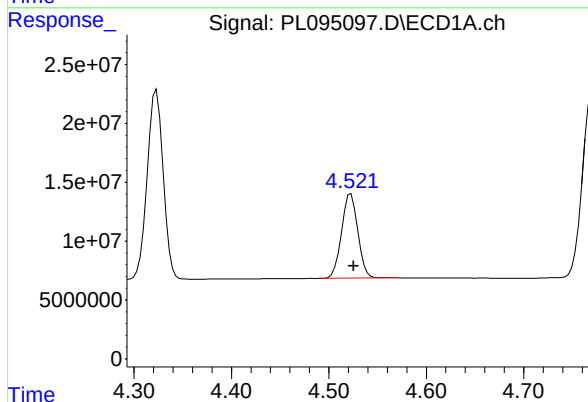
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



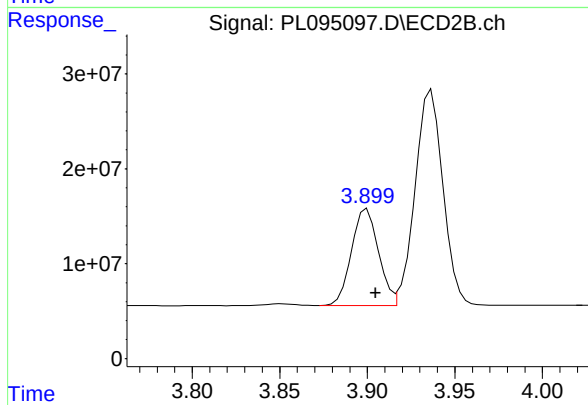
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 234683645
Conc: 48.13 ng/ml



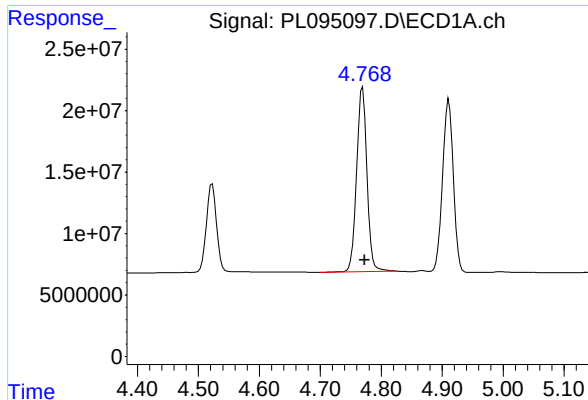
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 83344828
Conc: 45.17 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 109236185
Conc: 49.18 ng/ml



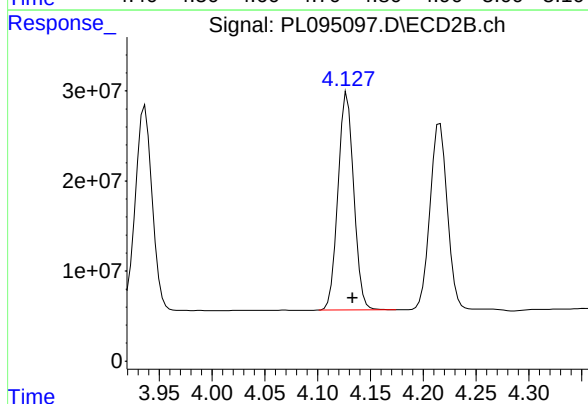
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 178167445
Conc: 45.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

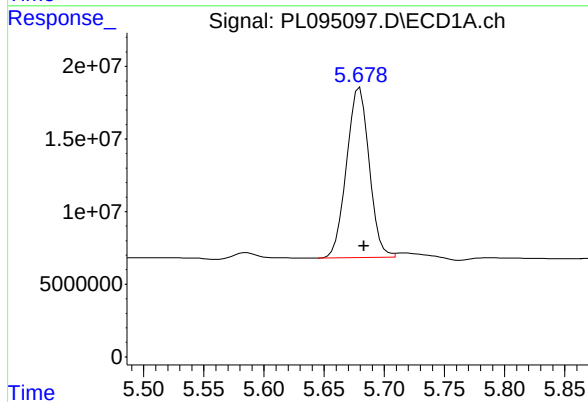
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



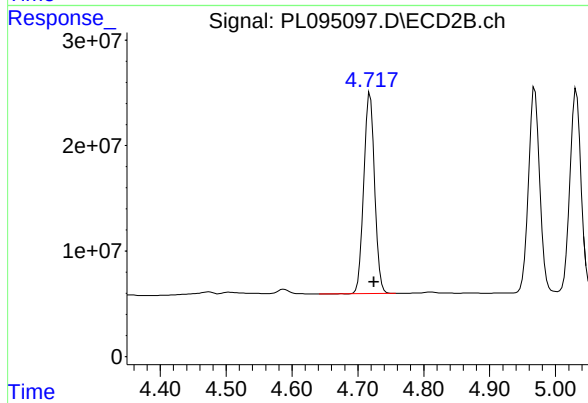
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 250539094
Conc: 50.09 ng/ml



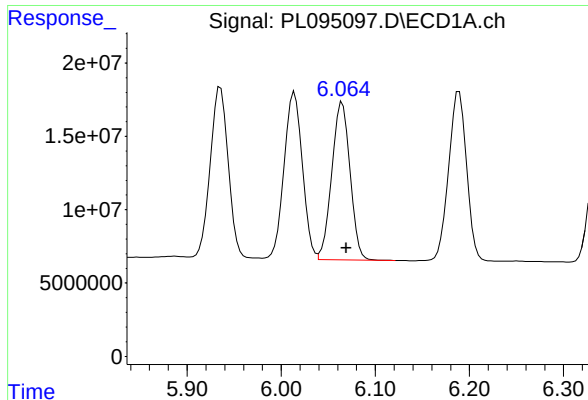
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 153660732
Conc: 45.93 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 217907031
Conc: 47.59 ng/ml



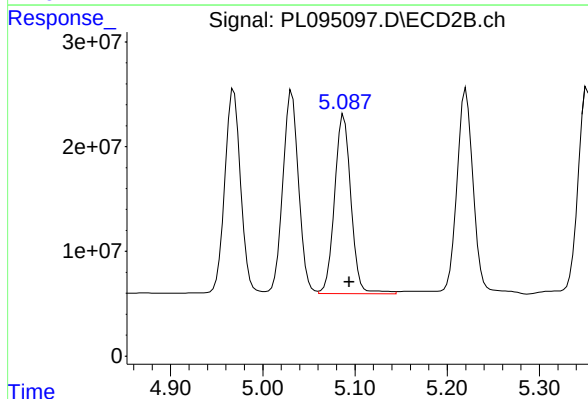
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 144811548
Conc: 47.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

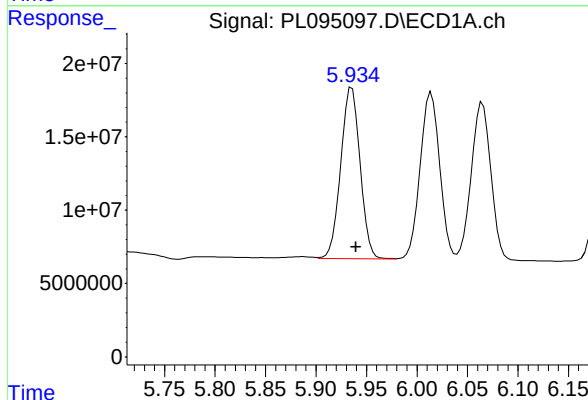
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



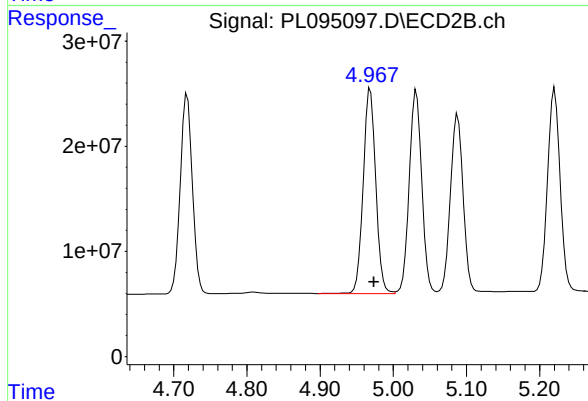
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 211558762
Conc: 48.20 ng/ml



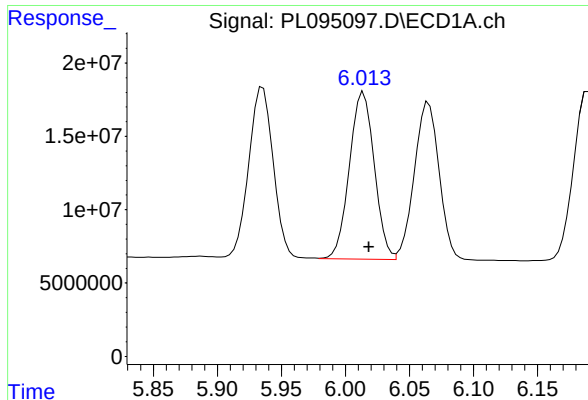
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156162197
Conc: 46.35 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 233229864
Conc: 48.30 ng/ml



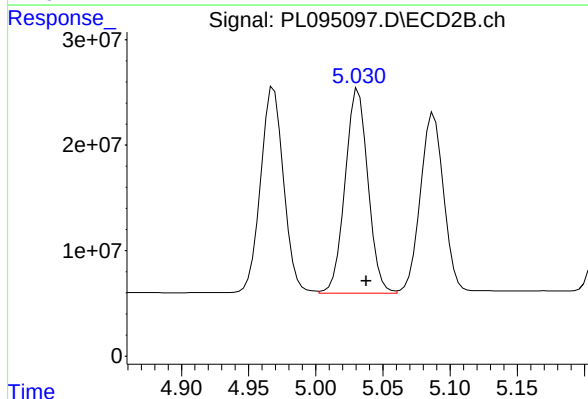
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: -0.004 min
Response: 154353262
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

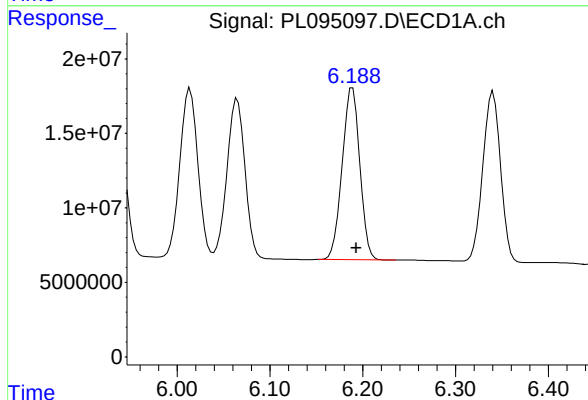
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



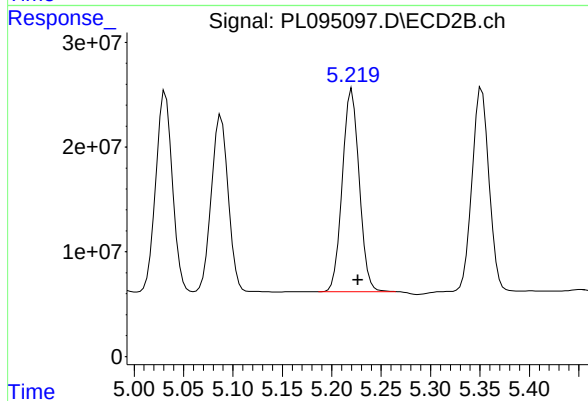
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 230333888
Conc: 48.26 ng/ml



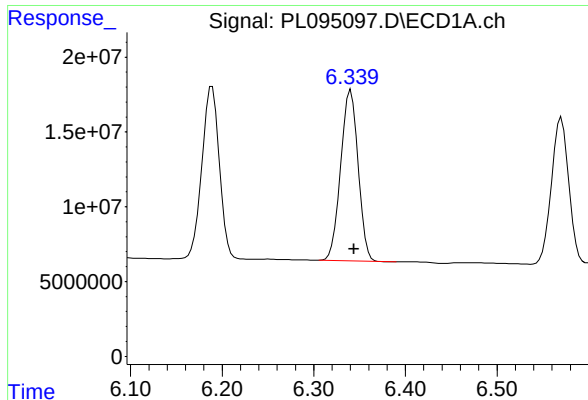
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 152799343
Conc: 51.94 ng/ml



#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.008 min
Response: 229981999
Conc: 49.47 ng/ml m



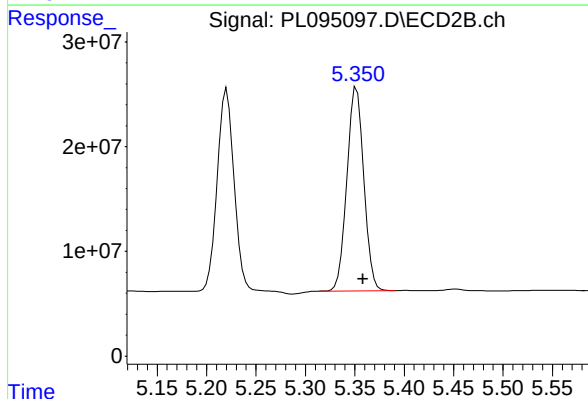
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 151282419
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

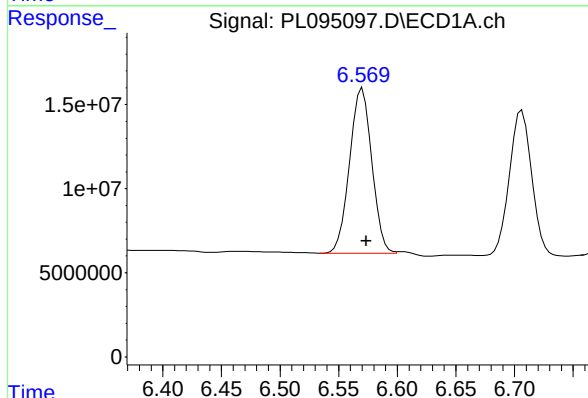
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



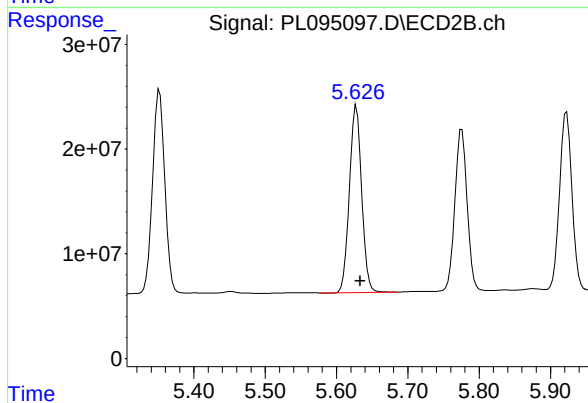
#13 Dieldrin

R.T.: 5.350 min
Delta R.T.: -0.008 min
Response: 231969264
Conc: 47.81 ng/ml



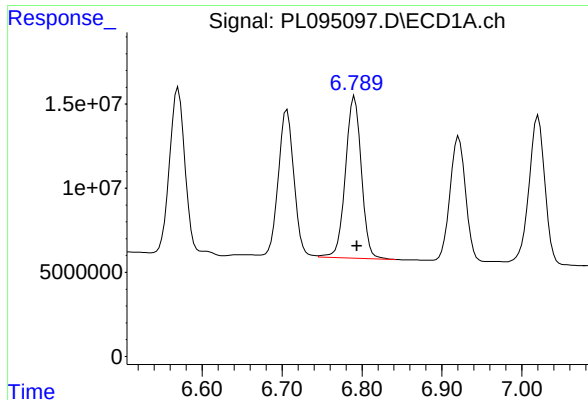
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 129557453
Conc: 46.74 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 212675789
Conc: 48.74 ng/ml



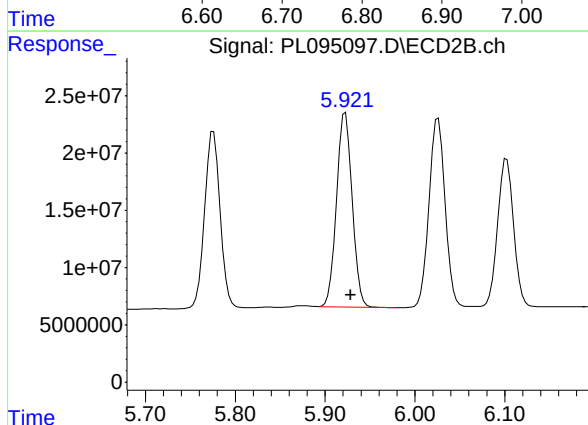
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 132784604
Conc: 48.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

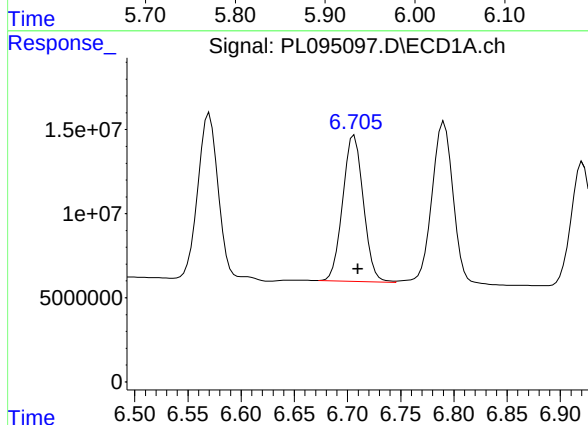
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



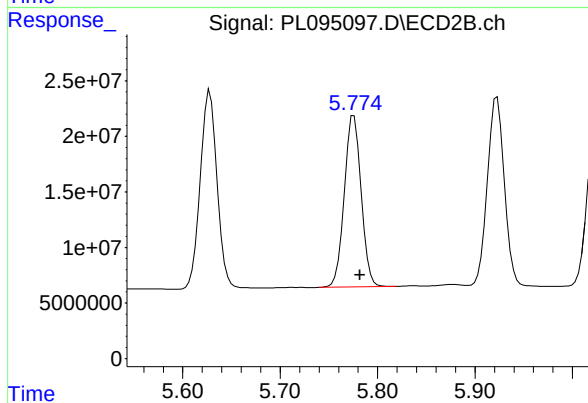
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.006 min
Response: 205106771
Conc: 47.39 ng/ml



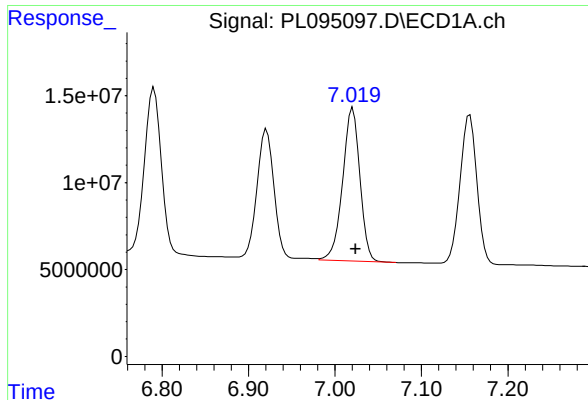
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.003 min
Response: 116616974
Conc: 53.84 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 185352543
Conc: 51.55 ng/ml



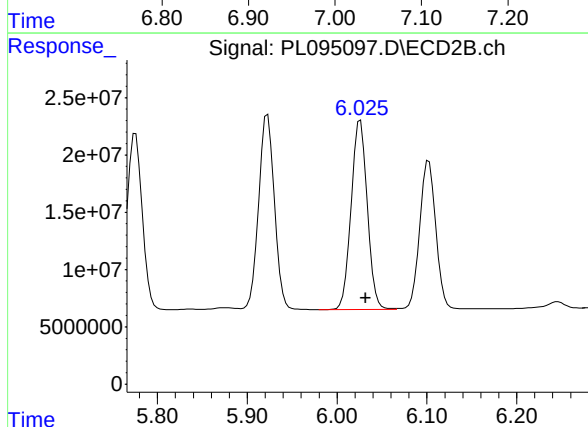
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 121491714
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

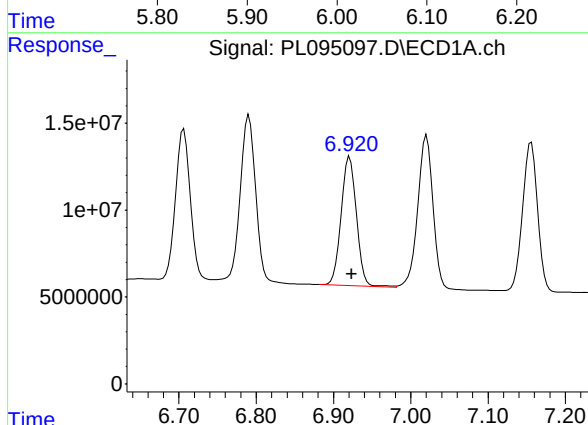
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



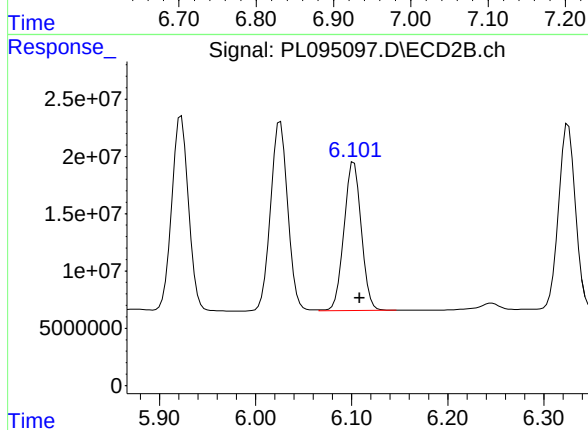
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 205632978
Conc: 51.00 ng/ml



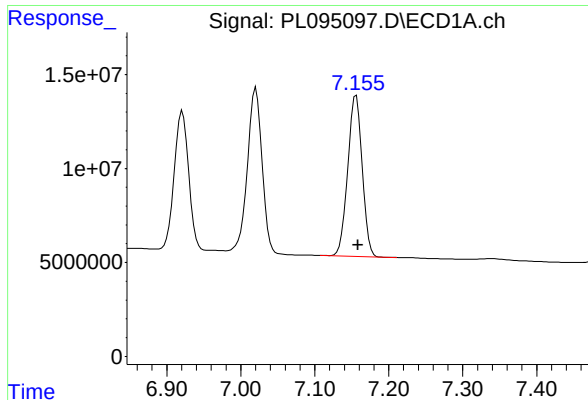
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 101671646
Conc: 48.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 160991480
Conc: 47.84 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 116130130
Conc: 47.75 ng/ml

Instrument :

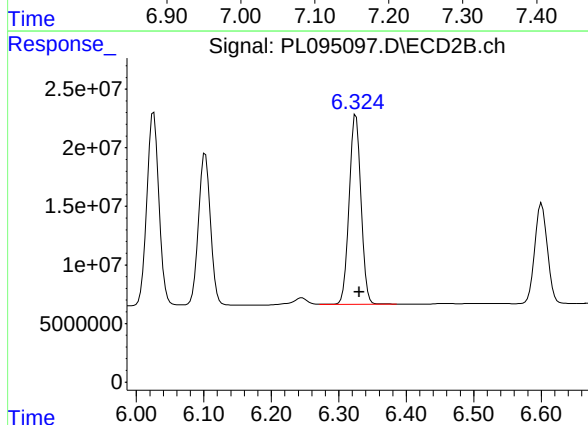
ECD_L

ClientSampleId :

PSTDCCC050

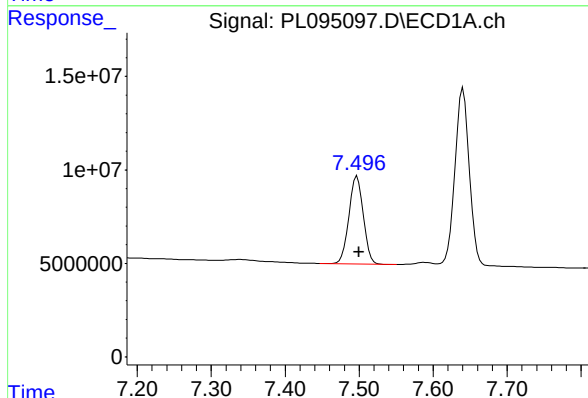
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



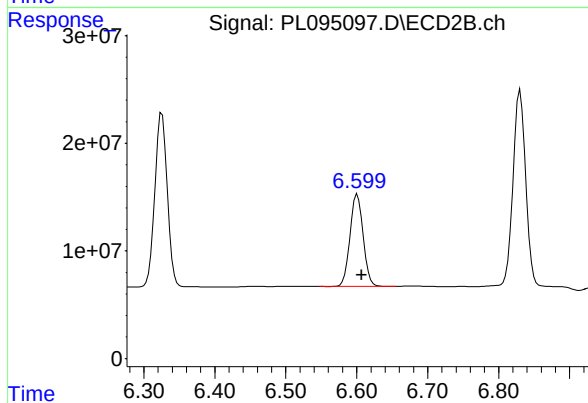
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 198718510
Conc: 48.78 ng/ml



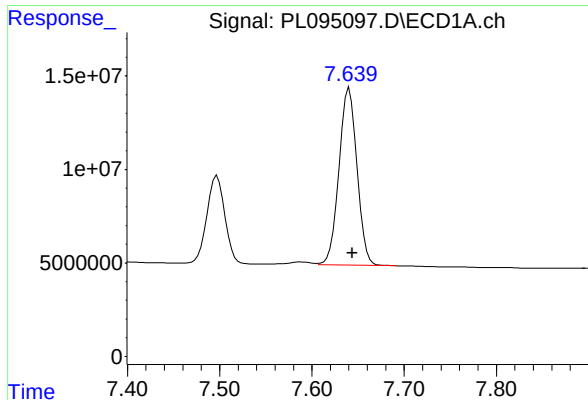
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 63089642
Conc: 52.70 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 110084536
Conc: 51.90 ng/ml



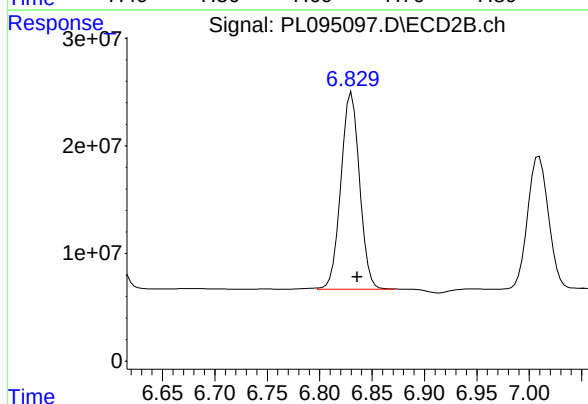
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 128086605
Conc: 48.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

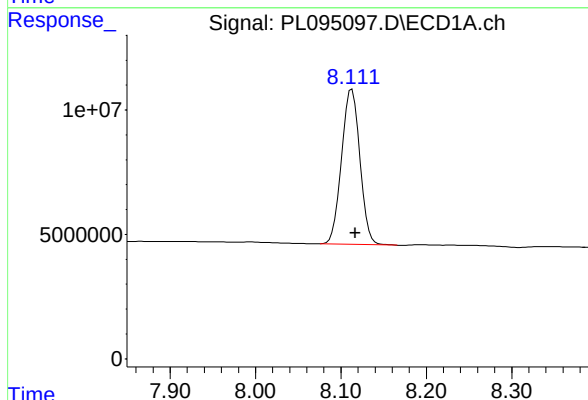
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



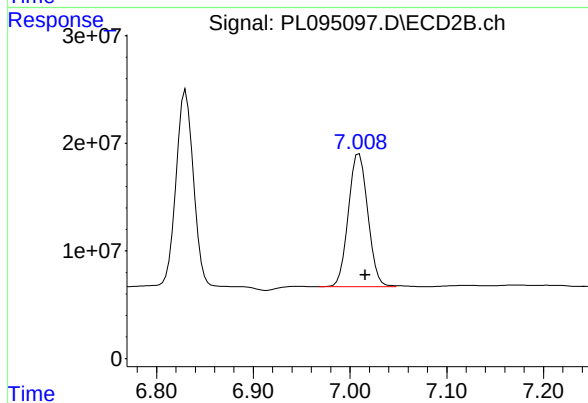
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 227251045
Conc: 47.62 ng/ml m



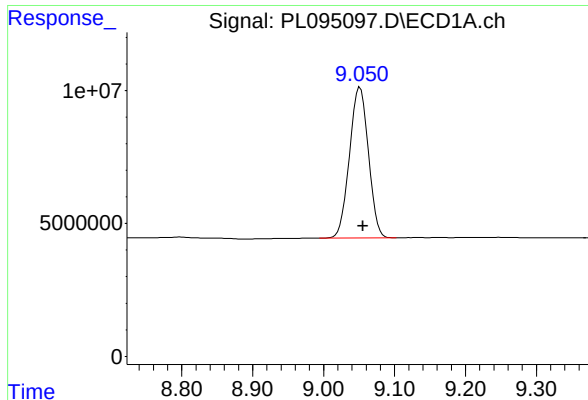
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 93002462
Conc: 45.01 ng/ml



#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 171993461
Conc: 45.32 ng/ml m



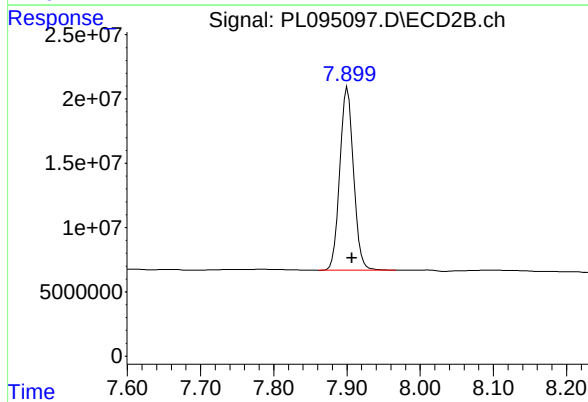
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 105088905
Conc: 49.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 185961370
Conc: 46.04 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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/08/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:52 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/08/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:52 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL04 Date Analyzed: 04/08/2025

Lab Sample No.: PSTDCCC050 Data File : PL095111.D Time Analyzed: 14:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.707	6.610	6.810	54.660	50.000	9.3
4,4'-DDE	6.189	6.093	6.293	51.960	50.000	3.9
4,4'-DDT	7.021	6.924	7.124	51.430	50.000	2.9
Aldrin	5.253	5.156	5.356	45.330	50.000	-9.3
alpha-BHC	3.991	3.894	4.094	46.590	50.000	-6.8
alpha-Chlordane	6.015	5.918	6.118	47.000	50.000	-6.0
beta-BHC	4.523	4.425	4.625	46.070	50.000	-7.9
Decachlorobiphenyl	9.052	8.956	9.156	50.600	50.000	1.2
delta-BHC	4.770	4.673	4.873	47.160	50.000	-5.7
Dieldrin	6.341	6.244	6.444	48.080	50.000	-3.8
Endosulfan I	6.066	5.969	6.169	47.200	50.000	-5.6
Endosulfan II	6.791	6.694	6.894	48.550	50.000	-2.9
Endosulfan sulfate	7.157	7.059	7.259	47.800	50.000	-4.4
Endrin	6.571	6.474	6.674	46.510	50.000	-7.0
Endrin aldehyde	6.921	6.824	7.024	47.170	50.000	-5.7
Endrin ketone	7.642	7.544	7.744	48.200	50.000	-3.6
gamma-BHC (Lindane)	4.323	4.227	4.427	46.670	50.000	-6.7
gamma-Chlordane	5.937	5.840	6.040	46.660	50.000	-6.7
Heptachlor	4.911	4.815	5.015	45.400	50.000	-9.2
Heptachlor epoxide	5.679	5.583	5.783	45.530	50.000	-8.9
Methoxychlor	7.498	7.400	7.600	53.790	50.000	7.6
Tetrachloro-m-xylene	3.535	3.438	3.638	46.600	50.000	-6.8



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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL04 Date Analyzed: 04/08/2025

Lab Sample No.: PSTDCCC050 Data File : PL095111.D Time Analyzed: 14:52

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.776	5.682	5.882	52.050	50.000	4.1
4,4'-DDE	5.220	5.127	5.327	50.270	50.000	0.5
4,4'-DDT	6.027	5.932	6.132	51.310	50.000	2.6
Aldrin	4.216	4.122	4.322	49.260	50.000	-1.5
alpha-BHC	3.270	3.174	3.374	51.400	50.000	2.8
alpha-Chlordane	5.032	4.938	5.138	48.340	50.000	-3.3
beta-BHC	3.900	3.805	4.005	50.980	50.000	2.0
Decachlorobiphenyl	7.901	7.807	8.007	48.310	50.000	-3.4
delta-BHC	4.129	4.033	4.233	51.800	50.000	3.6
Dieldrin	5.351	5.258	5.458	48.690	50.000	-2.6
Endosulfan I	5.088	4.994	5.194	46.850	50.000	-6.3
Endosulfan II	5.924	5.829	6.029	48.160	50.000	-3.7
Endosulfan sulfate	6.326	6.231	6.431	48.930	50.000	-2.1
Endrin	5.629	5.534	5.734	49.400	50.000	-1.2
Endrin aldehyde	6.103	6.008	6.208	47.280	50.000	-5.4
Endrin ketone	6.830	6.736	6.936	49.350	50.000	-1.3
gamma-BHC (Lindane)	3.599	3.504	3.704	50.770	50.000	1.5
gamma-Chlordane	4.969	4.874	5.074	48.680	50.000	-2.6
Heptachlor	3.937	3.842	4.042	48.990	50.000	-2.0
Heptachlor epoxide	4.719	4.625	4.825	48.710	50.000	-2.6
Methoxychlor	6.600	6.507	6.707	52.610	50.000	5.2
Tetrachloro-m-xylene	2.768	2.672	2.872	50.970	50.000	1.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095111.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 14:52
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:42:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	131.9E6	181.9E6	46.598	50.971
28) SA Decachlor...	9.052	7.901	106.6E6	195.2E6	50.603	48.315
Target Compounds						
2) A alpha-BHC	3.991	3.270	193.4E6	277.1E6	46.585	51.404
3) MA gamma-BHC...	4.323	3.599	186.2E6	260.9E6	46.672	50.766
4) MA Heptachlor	4.911	3.937	176.2E6	258.1E6	45.399	48.989
5) MB Aldrin	5.253	4.216	167.4E6	240.2E6	45.334	49.257
6) B beta-BHC	4.523	3.900	85010383	113.2E6	46.071	50.979
7) B delta-BHC	4.770	4.129	183.7E6	259.1E6	47.160	51.796
8) B Heptachlo...	5.679	4.719	152.3E6	223.0E6	45.530	48.713
9) A Endosulfan I	6.066	5.088	144.9E6	205.6E6	47.198	46.846
10) B gamma-Chl...	5.937	4.969	157.2E6	235.0E6	46.662	48.678
11) B alpha-Chl...	6.015	5.032	154.9E6	230.7E6	46.998	48.339
12) B 4,4'-DDE	6.189	5.220	152.9E6	233.7E6	51.965	50.267m
13) MA Dieldrin	6.341	5.351	153.8E6	236.2E6	48.076	48.687m
14) MA Endrin	6.571	5.629	128.9E6	215.5E6	46.511	49.395
15) B Endosulfa...	6.791	5.924	131.8E6	208.4E6	48.549	48.156
16) A 4,4'-DDD	6.707	5.776	118.4E6	187.2E6	54.656	52.046
17) MA 4,4'-DDT	7.021	6.027	122.3E6	206.9E6	51.426	51.312
18) B Endrin al...	6.921	6.103	99583075	159.1E6	47.174	47.281
19) B Endosulfa...	7.157	6.326	116.2E6	199.3E6	47.797	48.932
20) A Methoxychlor	7.498	6.600	64388294	111.6E6	53.788	52.607m
21) B Endrin ke...	7.642	6.830	127.4E6	235.5E6	48.202	49.350m
22) Mirex	8.114	7.009	94272203	177.7E6	45.624	46.825m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

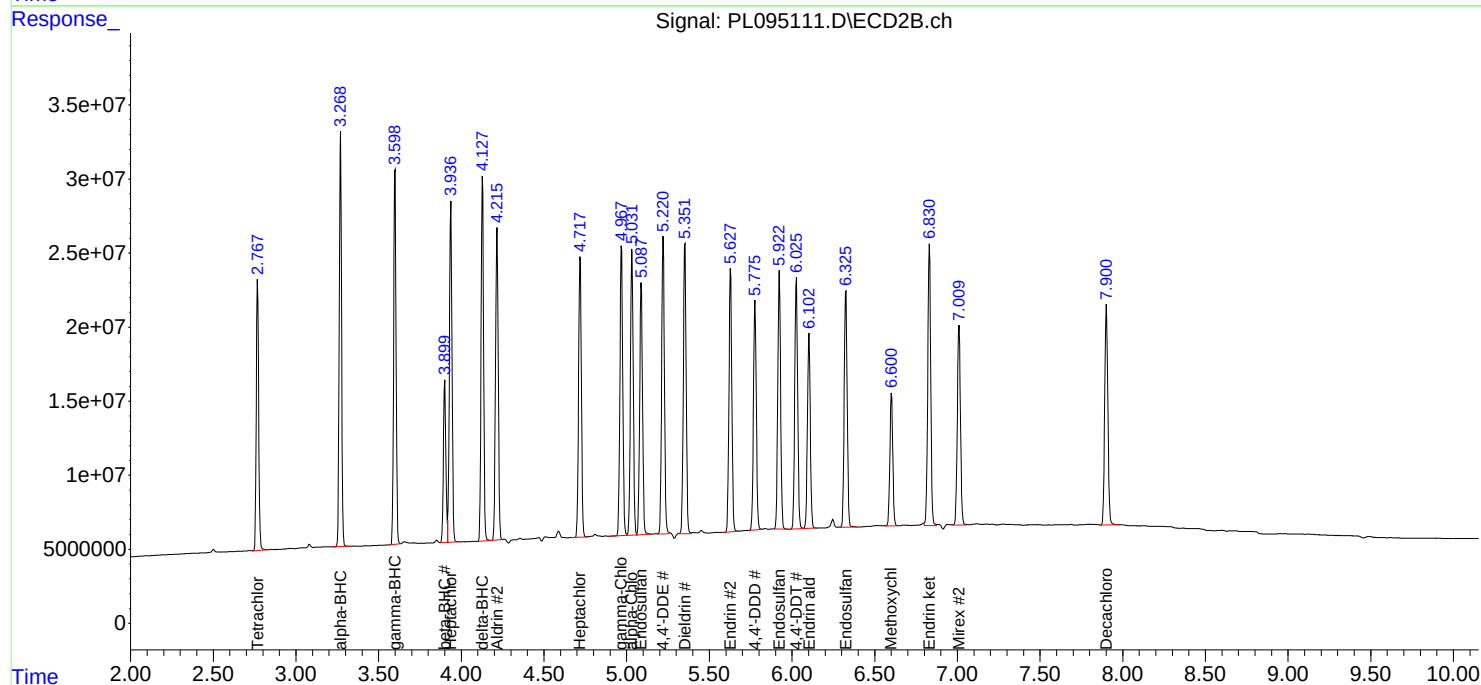
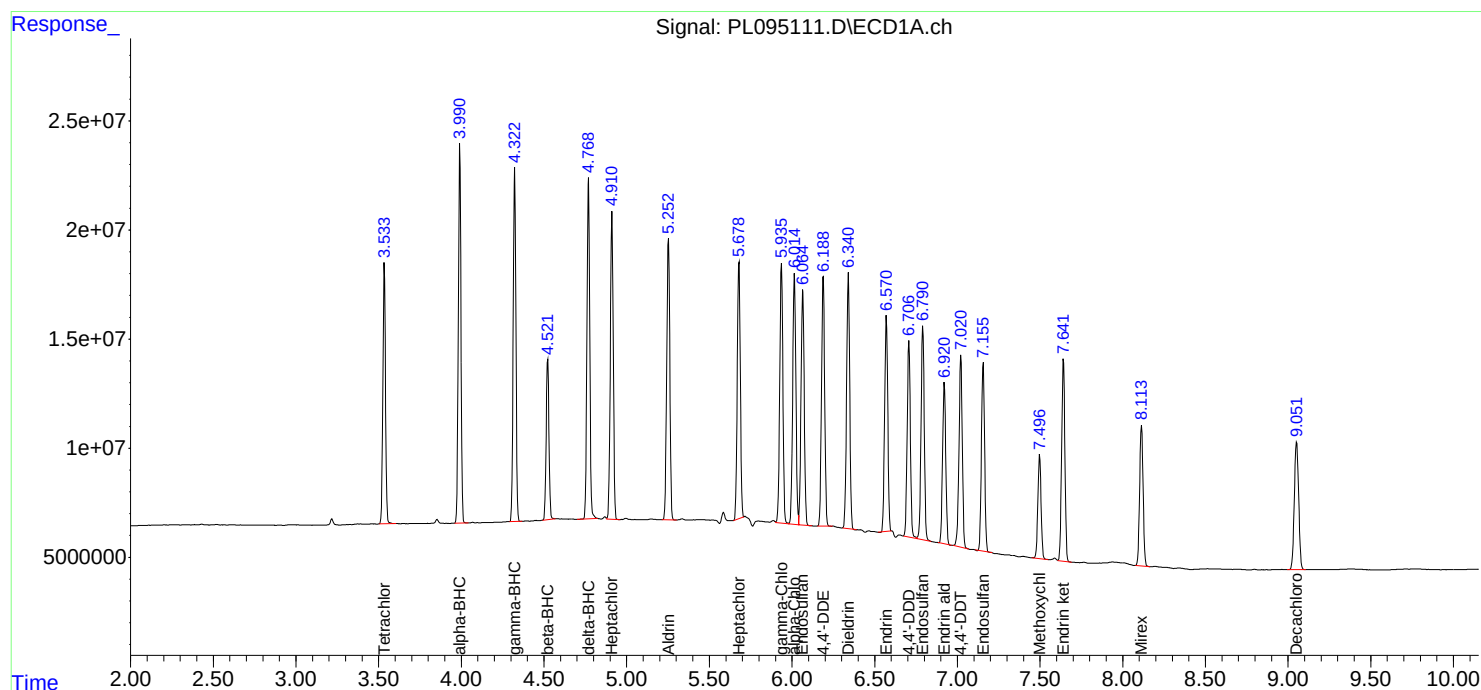
APPROVED

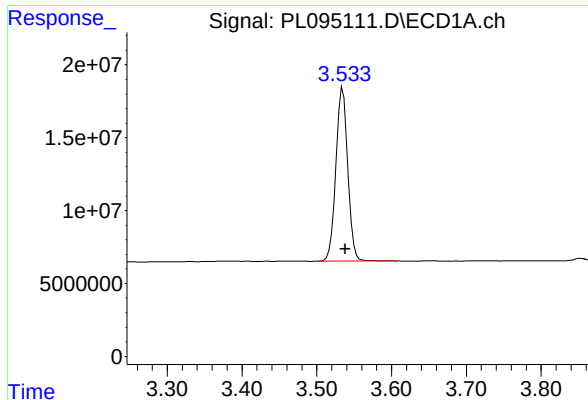
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:42:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





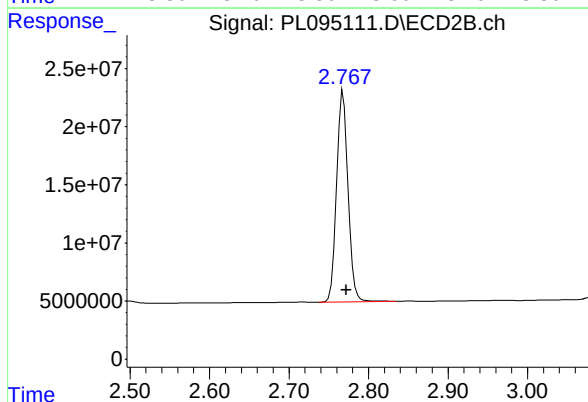
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 131903755
Conc: 46.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

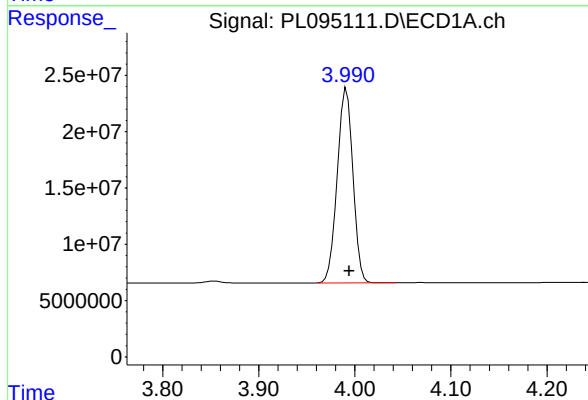
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



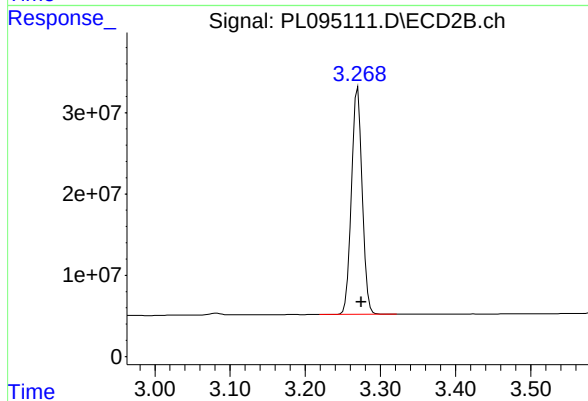
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 181927605
Conc: 50.97 ng/ml



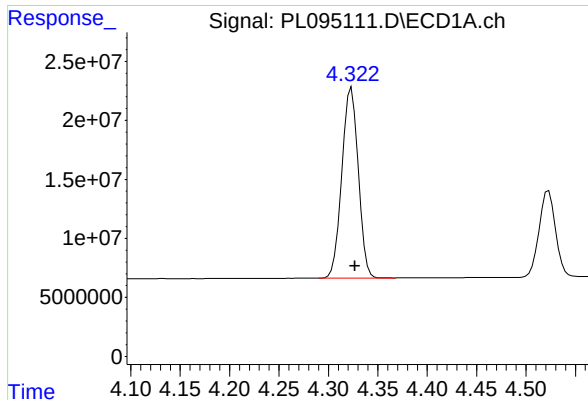
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 193438807
Conc: 46.59 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 277136711
Conc: 51.40 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 186234826
Conc: 46.67 ng/ml

Instrument :

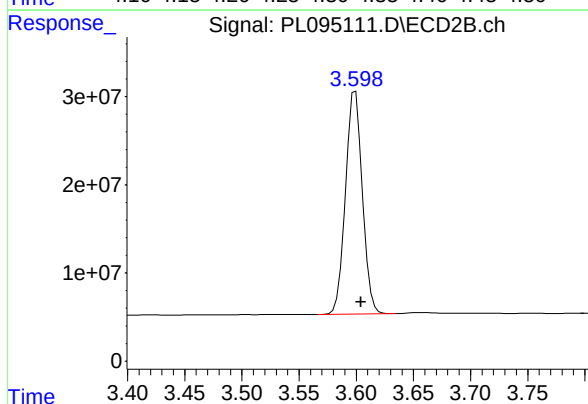
ECD_L

ClientSampleId :

PSTDCCC050

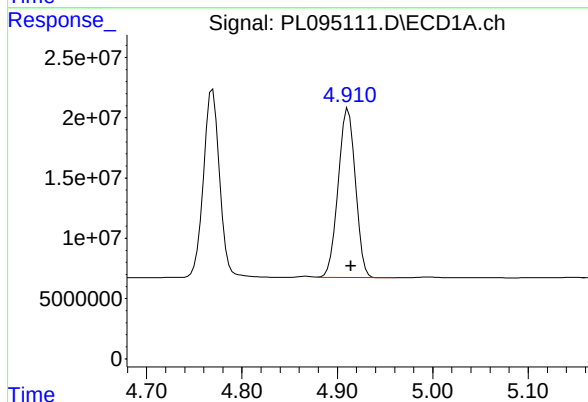
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



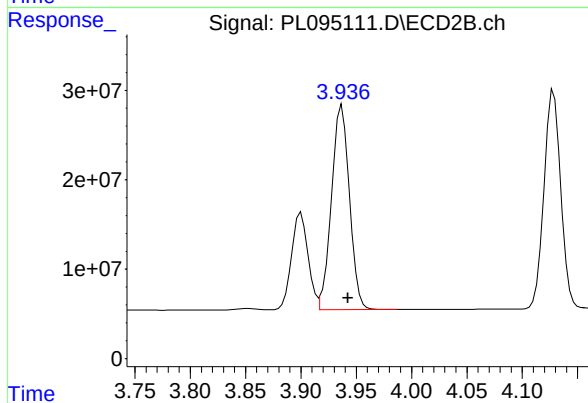
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 260907537
Conc: 50.77 ng/ml



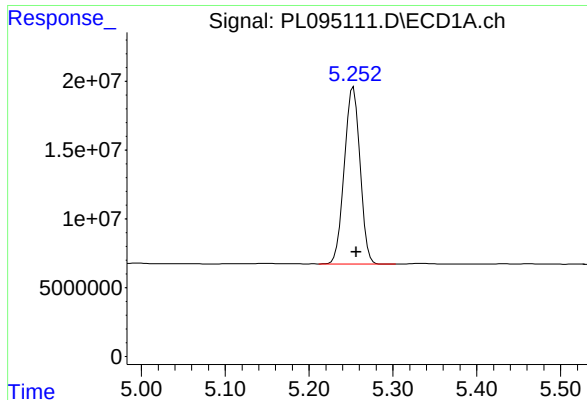
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 176223119
Conc: 45.40 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 258107621
Conc: 48.99 ng/ml



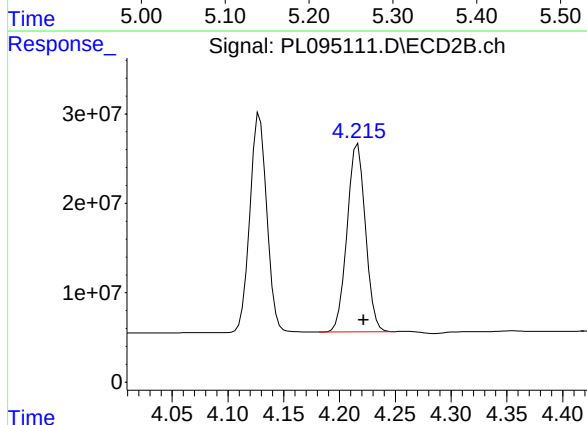
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 167383046
Conc: 45.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

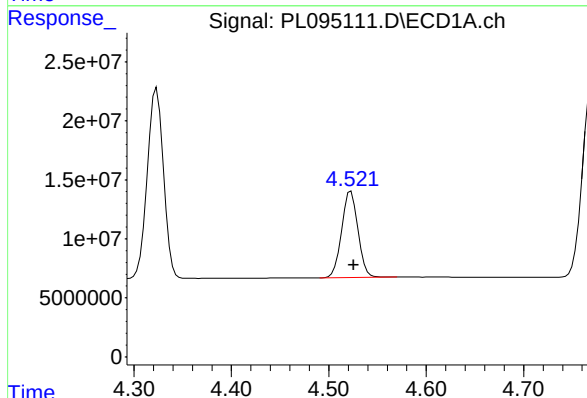
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



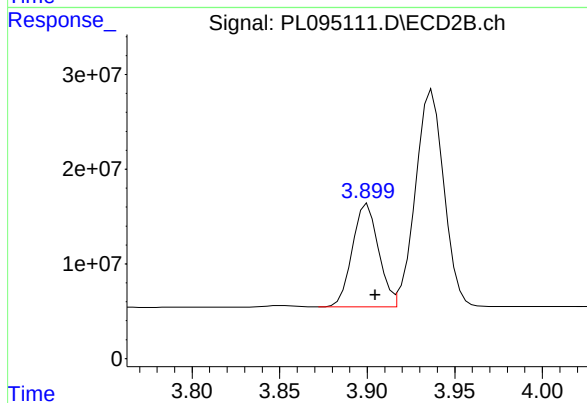
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 240194567
Conc: 49.26 ng/ml



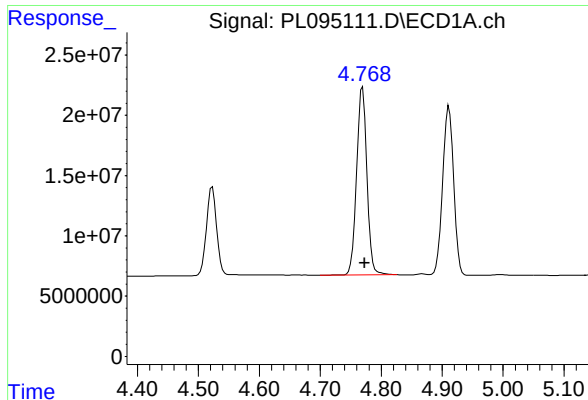
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 85010383
Conc: 46.07 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 113238946
Conc: 50.98 ng/ml



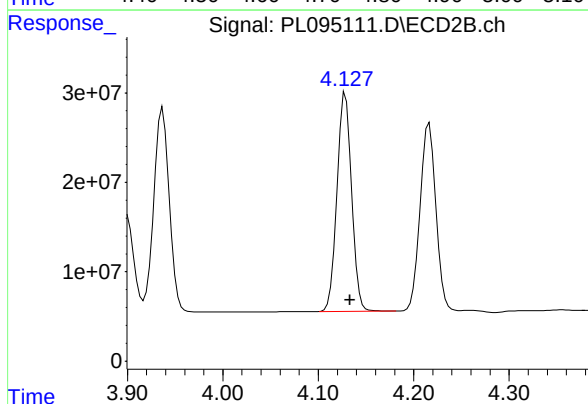
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 183653833
Conc: 47.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

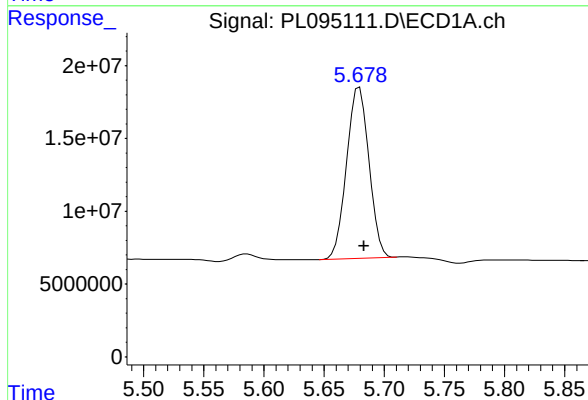
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



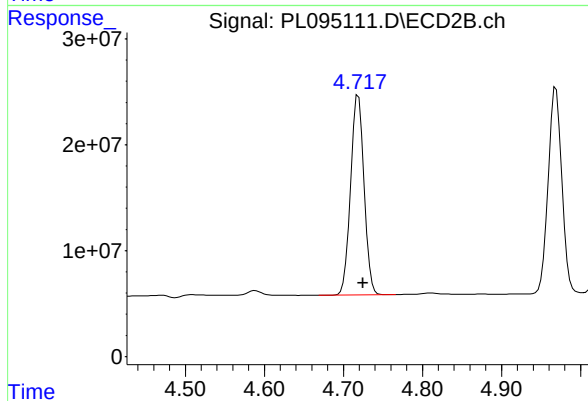
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 259080713
Conc: 51.80 ng/ml



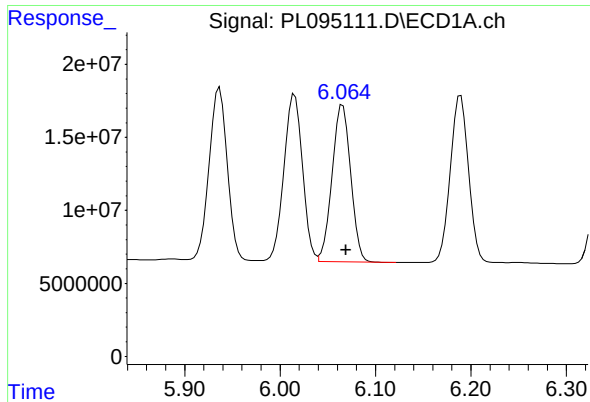
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 152307029
Conc: 45.53 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.006 min
Response: 223037361
Conc: 48.71 ng/ml



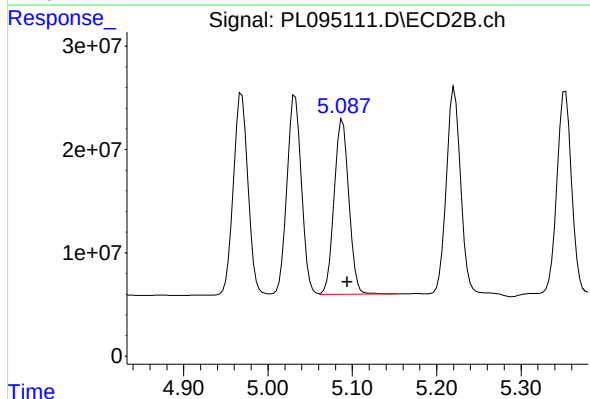
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 144908357
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

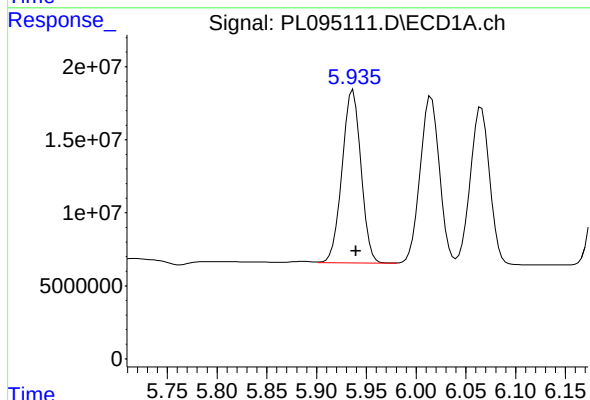
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



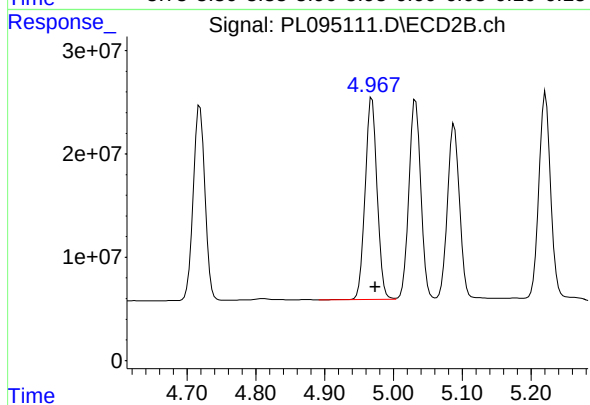
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 205592648
Conc: 46.85 ng/ml



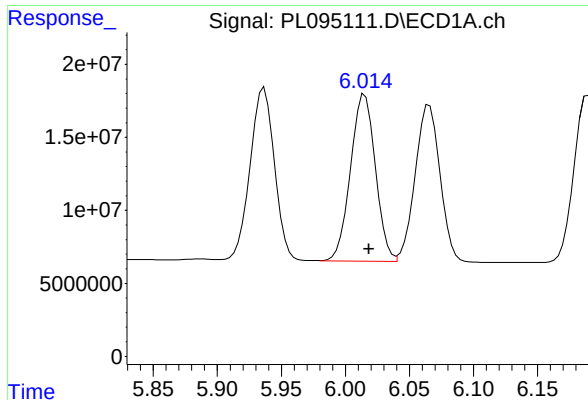
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 157222762
Conc: 46.66 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 235037857
Conc: 48.68 ng/ml



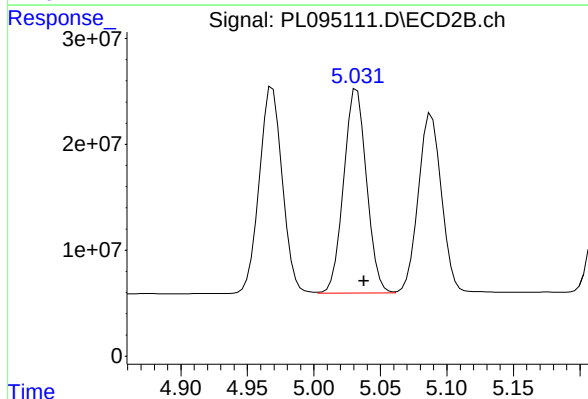
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 154944597
Conc: 47.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

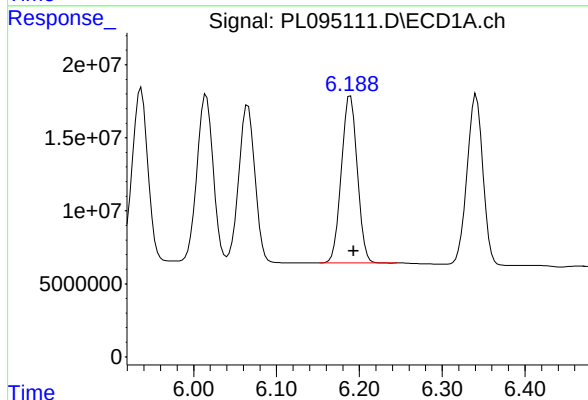
Manual Integrations
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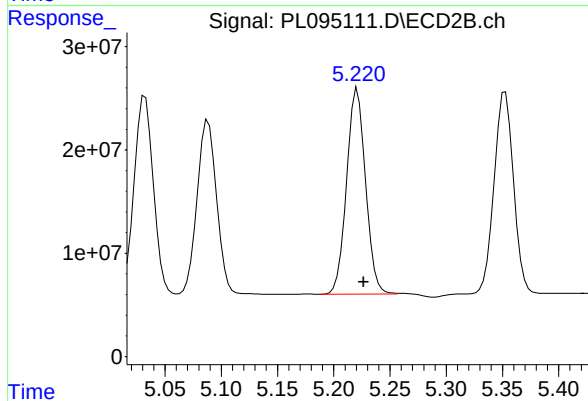
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 230712261
Conc: 48.34 ng/ml



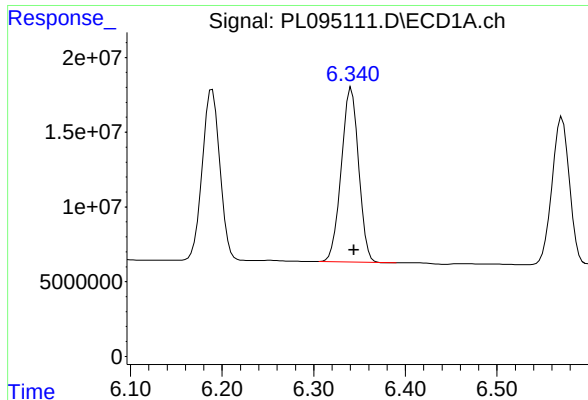
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 152883028
Conc: 51.96 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 233666306
Conc: 50.27 ng/ml m



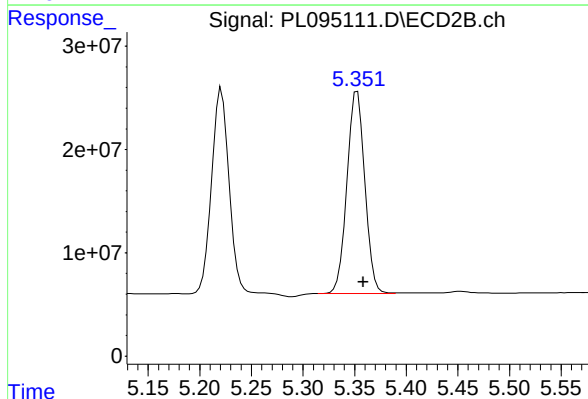
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 153753388
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

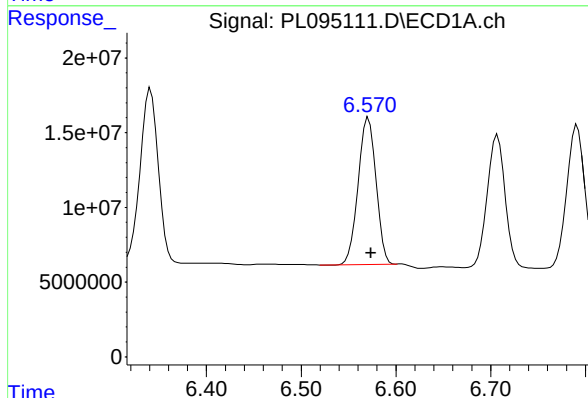
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



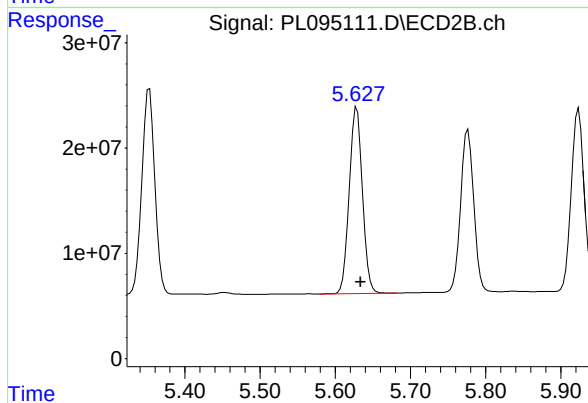
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 236218116
Conc: 48.69 ng/ml



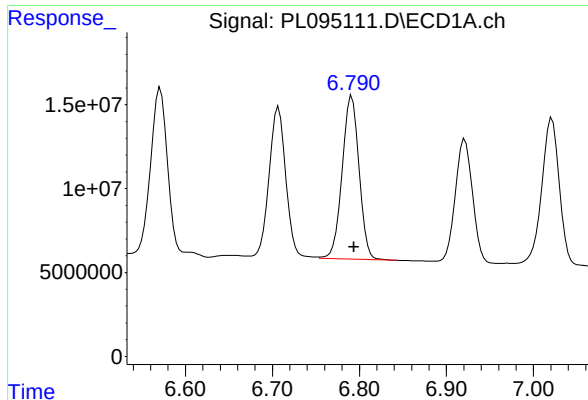
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 128930658
Conc: 46.51 ng/ml



#14 Endrin

R.T.: 5.629 min
Delta R.T.: -0.005 min
Response: 215544608
Conc: 49.40 ng/ml



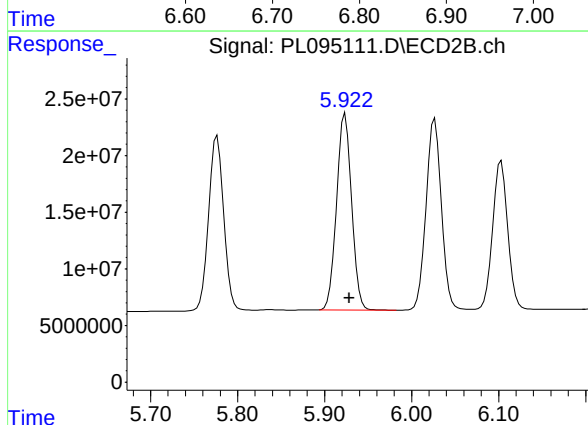
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.002 min
Response: 131798775
Conc: 48.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

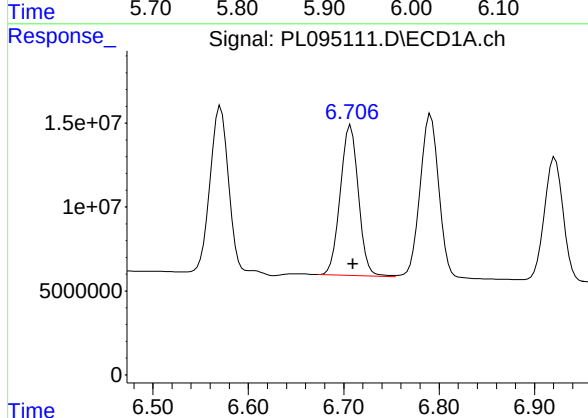
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 04/10/2025



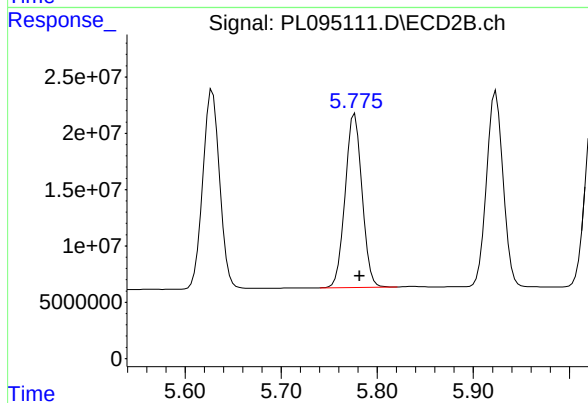
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 208432338
Conc: 48.16 ng/ml



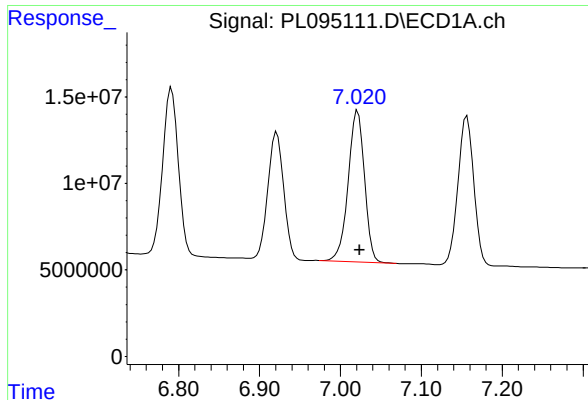
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 118387591
Conc: 54.66 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.005 min
Response: 187152856
Conc: 52.05 ng/ml



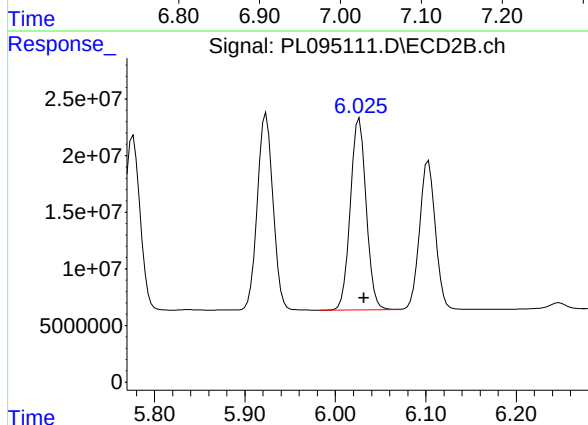
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 122318603
Conc: 51.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

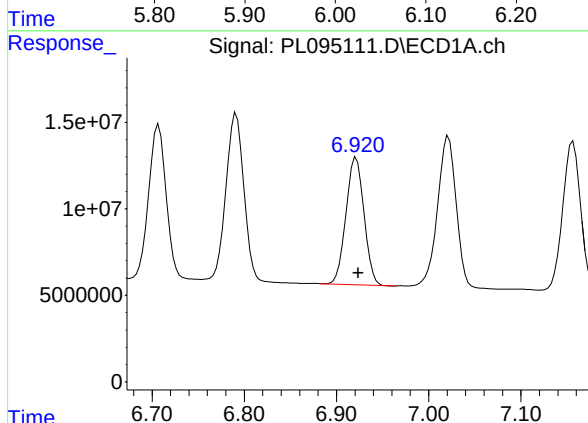
Manual Integrations
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Supervised By :mohammad ahmed 04/10/2025



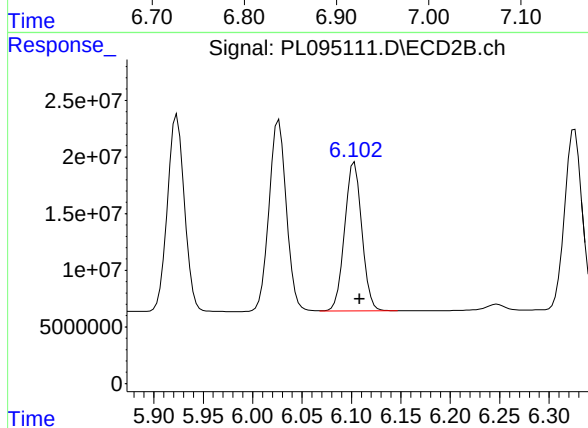
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 206897192
Conc: 51.31 ng/ml



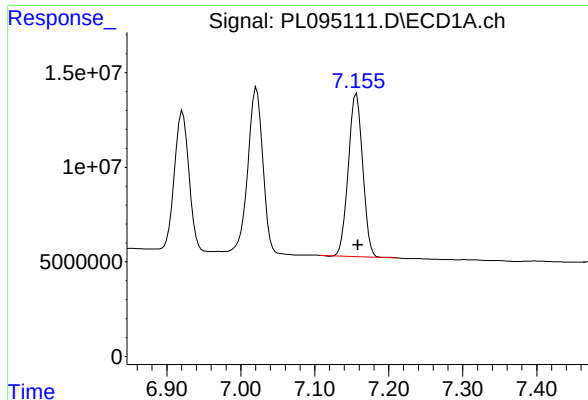
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 99583075
Conc: 47.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 159118631
Conc: 47.28 ng/ml



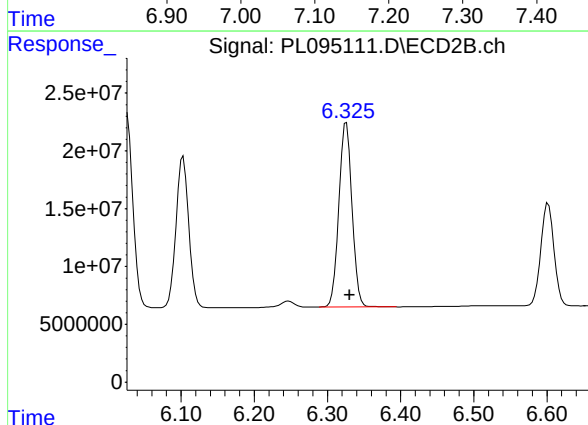
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 116242472
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

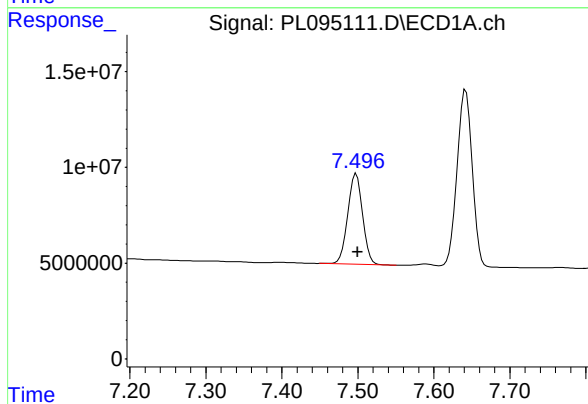
Manual Integrations
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Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



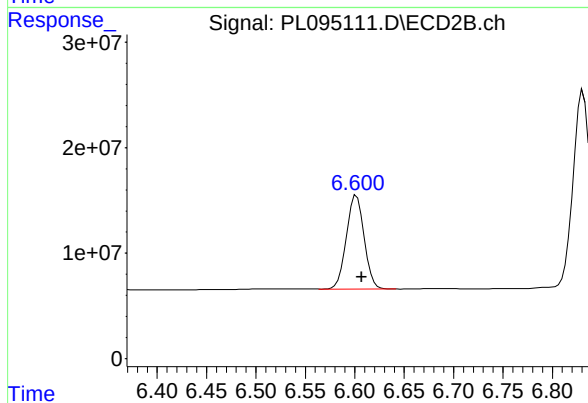
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 199319858
Conc: 48.93 ng/ml



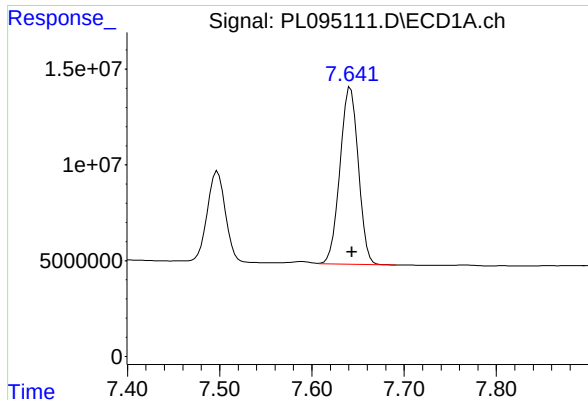
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 64388294
Conc: 53.79 ng/ml



#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 111583541
Conc: 52.61 ng/ml m



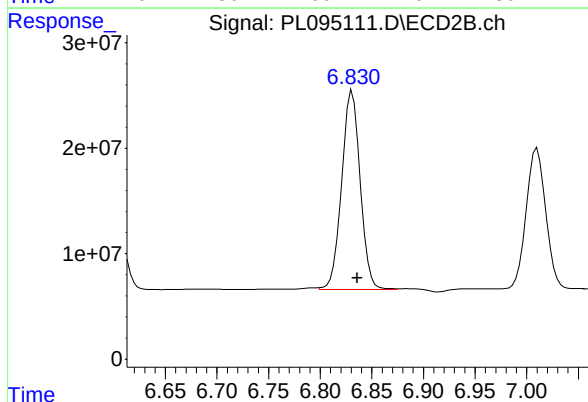
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 127409859
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

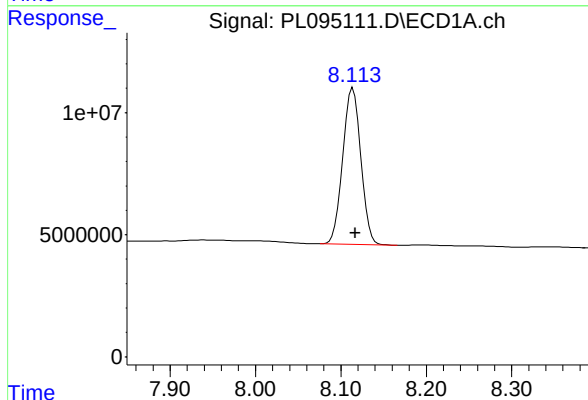
Manual Integrations
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Supervised By :mohammad ahmed 04/10/2025



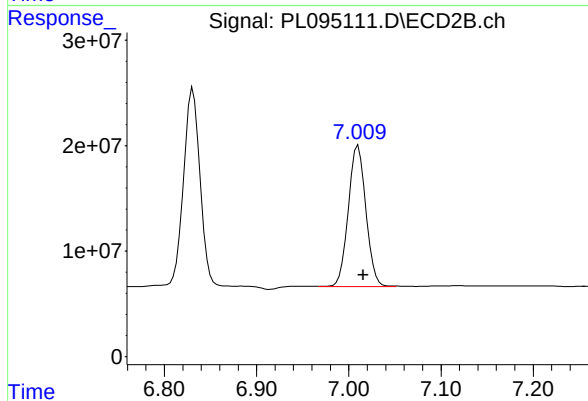
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 235528861
Conc: 49.35 ng/ml m



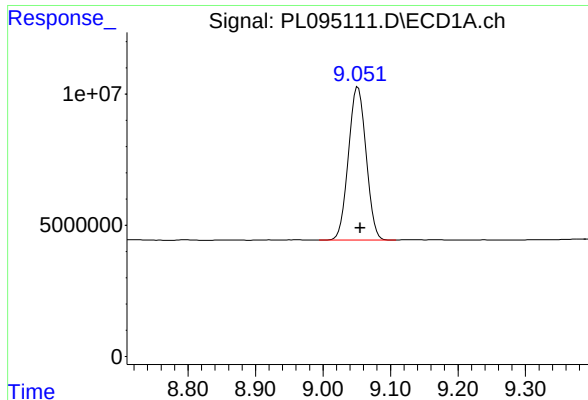
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 94272203
Conc: 45.62 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.007 min
Response: 177715715
Conc: 46.83 ng/ml m



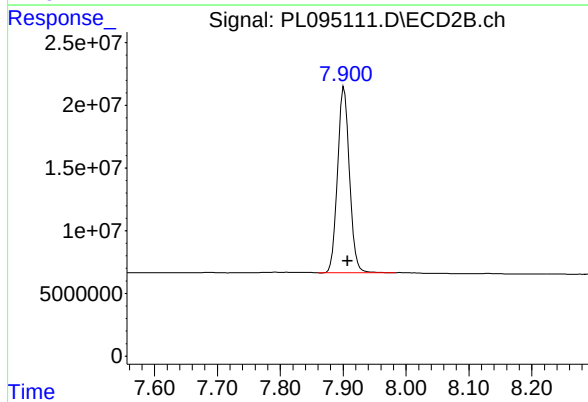
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 106643668
Conc: 50.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 195160310
Conc: 48.31 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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 08:57 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.16	7.06	7.26	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.01	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 08:57 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.32	6.33	6.23	6.43	0.01
4,4'-DDT	6.02	6.03	5.93	6.13	0.01
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL05 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095129.D Time Analyzed: 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.705	6.610	6.810	54.310	50.000	8.6
4,4'-DDE	6.188	6.093	6.293	51.030	50.000	2.1
4,4'-DDT	7.019	6.924	7.124	50.710	50.000	1.4
Aldrin	5.252	5.156	5.356	45.370	50.000	-9.3
alpha-BHC	3.991	3.894	4.094	46.790	50.000	-6.4
alpha-Chlordane	6.014	5.918	6.118	46.550	50.000	-6.9
beta-BHC	4.523	4.425	4.625	46.460	50.000	-7.1
Decachlorobiphenyl	9.049	8.956	9.156	50.800	50.000	1.6
delta-BHC	4.769	4.673	4.873	47.640	50.000	-4.7
Dieldrin	6.339	6.244	6.444	46.990	50.000	-6.0
Endosulfan I	6.065	5.969	6.169	46.630	50.000	-6.7
Endosulfan II	6.790	6.694	6.894	48.120	50.000	-3.8
Endosulfan sulfate	7.154	7.059	7.259	48.510	50.000	-3.0
Endrin	6.568	6.474	6.674	45.760	50.000	-8.5
Endrin aldehyde	6.919	6.824	7.024	47.180	50.000	-5.6
Endrin ketone	7.639	7.544	7.744	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.323	4.227	4.427	46.870	50.000	-6.3
gamma-Chlordane	5.935	5.840	6.040	46.300	50.000	-7.4
Heptachlor	4.911	4.815	5.015	45.050	50.000	-9.9
Heptachlor epoxide	5.679	5.583	5.783	45.660	50.000	-8.7
Methoxychlor	7.496	7.400	7.600	53.750	50.000	7.5
Tetrachloro-m-xylene	3.535	3.438	3.638	47.230	50.000	-5.5



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL05 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095129.D Time Analyzed: 08:57

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.775	5.682	5.882	53.500	50.000	7.0
4,4'-DDE	5.219	5.127	5.327	51.170	50.000	2.3
4,4'-DDT	6.024	5.932	6.132	50.450	50.000	0.9
Aldrin	4.216	4.122	4.322	49.980	50.000	0.0
alpha-BHC	3.271	3.174	3.374	52.460	50.000	4.9
alpha-Chlordane	5.032	4.938	5.138	50.170	50.000	0.3
beta-BHC	3.900	3.805	4.005	52.410	50.000	4.8
Decachlorobiphenyl	7.899	7.807	8.007	49.290	50.000	-1.4
delta-BHC	4.129	4.033	4.233	52.680	50.000	5.4
Dieldrin	5.350	5.258	5.458	49.280	50.000	-1.4
Endosulfan I	5.086	4.994	5.194	46.290	50.000	-7.4
Endosulfan II	5.921	5.829	6.029	49.140	50.000	-1.7
Endosulfan sulfate	6.324	6.231	6.431	49.050	50.000	-1.9
Endrin	5.626	5.534	5.734	49.270	50.000	-1.5
Endrin aldehyde	6.101	6.008	6.208	47.130	50.000	-5.7
Endrin ketone	6.828	6.736	6.936	50.400	50.000	0.8
gamma-BHC (Lindane)	3.600	3.504	3.704	51.970	50.000	3.9
gamma-Chlordane	4.968	4.874	5.074	50.030	50.000	0.1
Heptachlor	3.937	3.842	4.042	49.310	50.000	-1.4
Heptachlor epoxide	4.717	4.625	4.825	49.340	50.000	-1.3
Methoxychlor	6.599	6.507	6.707	50.190	50.000	0.4
Tetrachloro-m-xylene	2.769	2.672	2.872	51.760	50.000	3.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 08:57
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	133.7E6	184.7E6	47.229	51.760
28) SA Decachlor...	9.049	7.899	107.0E6	199.1E6	50.796	49.289
Target Compounds						
2) A alpha-BHC	3.991	3.271	194.3E6	282.8E6	46.789	52.458
3) MA gamma-BHC...	4.323	3.600	187.0E6	267.1E6	46.873	51.970
4) MA Heptachlor	4.911	3.937	174.9E6	259.8E6	45.050	49.314
5) MB Aldrin	5.252	4.216	167.5E6	243.7E6	45.373	49.981
6) B beta-BHC	4.523	3.900	85729976	116.4E6	46.461	52.412
7) B delta-BHC	4.769	4.129	185.5E6	263.5E6	47.637	52.682
8) B Heptachlo...	5.679	4.717	152.7E6	225.9E6	45.658	49.340m
9) A Endosulfan I	6.065	5.086	143.2E6	203.1E6	46.628	46.289m
10) B gamma-Chl...	5.935	4.968	156.0E6	241.6E6	46.304	50.027
11) B alpha-Chl...	6.014	5.032	153.5E6	239.5E6	46.548	50.174
12) B 4,4'-DDE	6.188	5.219	150.1E6	237.9E6	51.034	51.171m
13) MA Dieldrin	6.339	5.350	150.3E6	239.1E6	46.993	49.276m
14) MA Endrin	6.568	5.626	126.8E6	215.0E6	45.760m	49.268m
15) B Endosulfa...	6.790	5.921	130.6E6	212.7E6	48.118	49.144m
16) A 4,4'-DDD	6.705	5.775	117.6E6	192.4E6	54.313	53.495
17) MA 4,4'-DDT	7.019	6.024	120.6E6	203.4E6	50.710	50.449
18) B Endrin al...	6.919	6.101	99603103	158.6E6	47.183	47.129
19) B Endosulfa...	7.154	6.324	118.0E6	199.8E6	48.506	49.048
20) A Methoxychlor	7.496	6.599	64342499	106.5E6	53.750	50.193
21) B Endrin ke...	7.639	6.828	128.2E6	240.5E6	48.508	50.397m
22) Mirex	8.111	7.008	94808633	181.2E6	45.884	47.754

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

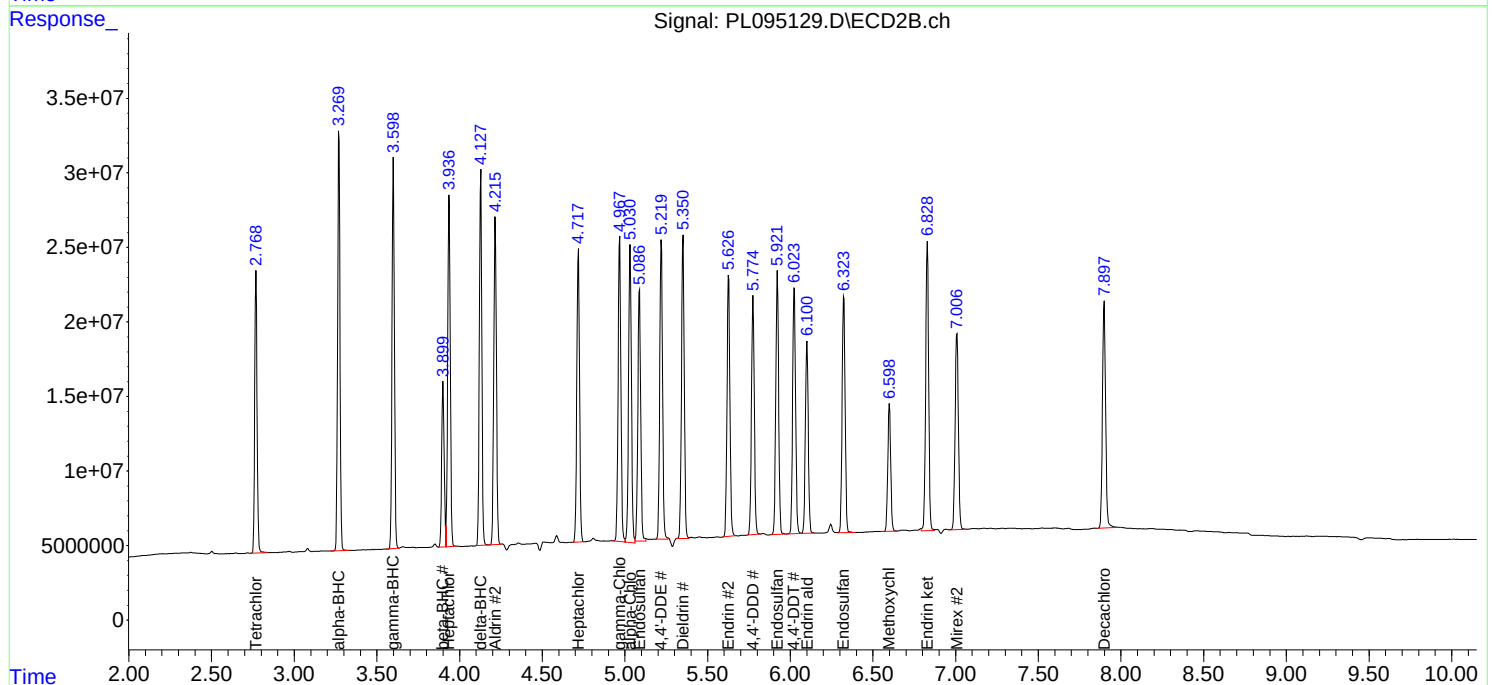
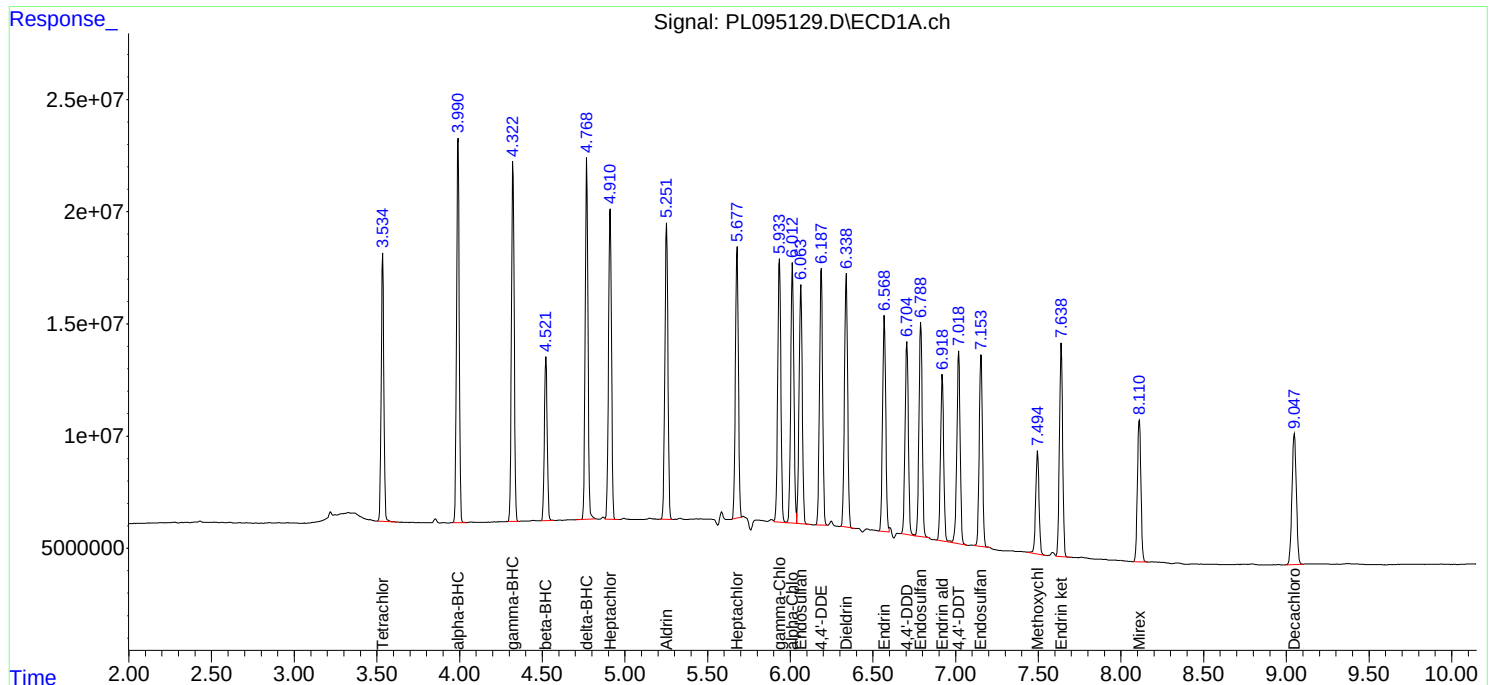
APPROVED

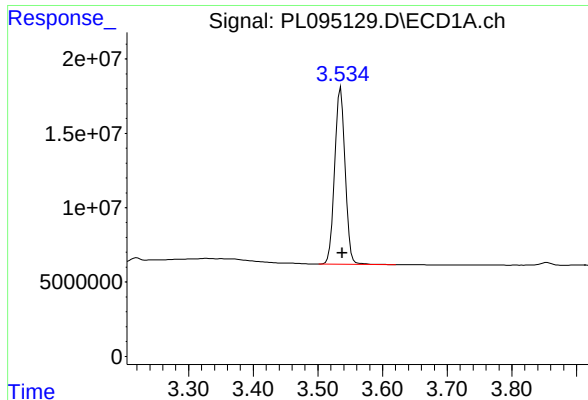
Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





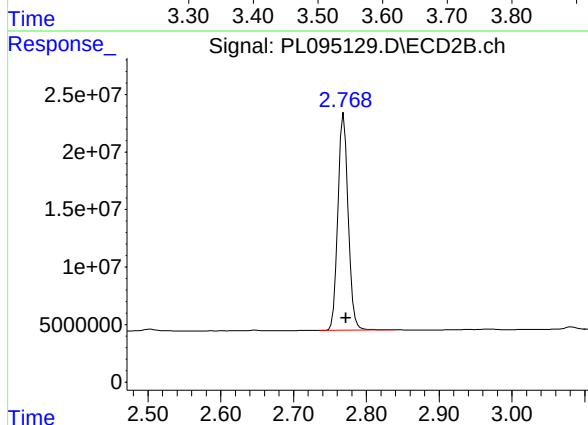
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 133690319
Conc: 47.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

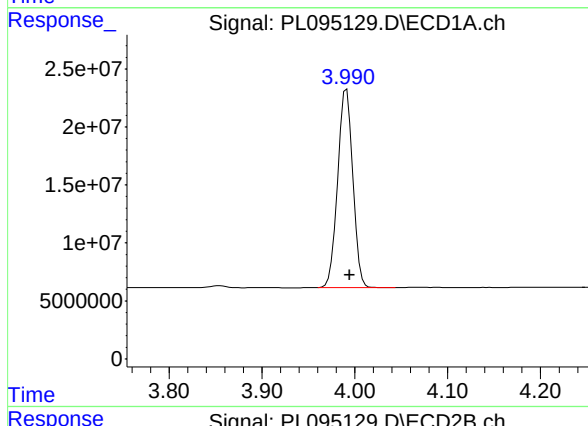
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



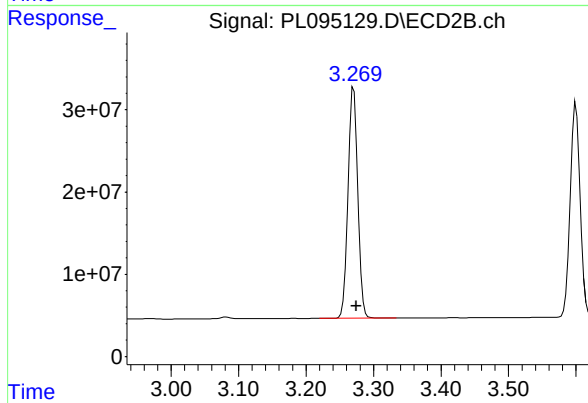
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 184744953
Conc: 51.76 ng/ml



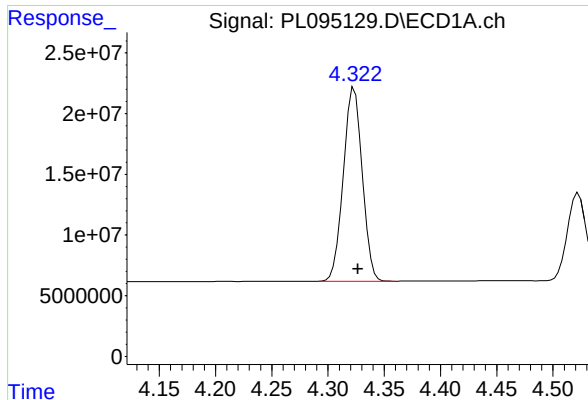
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 194282339
Conc: 46.79 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 282821699
Conc: 52.46 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 187036438
Conc: 46.87 ng/ml

Instrument :

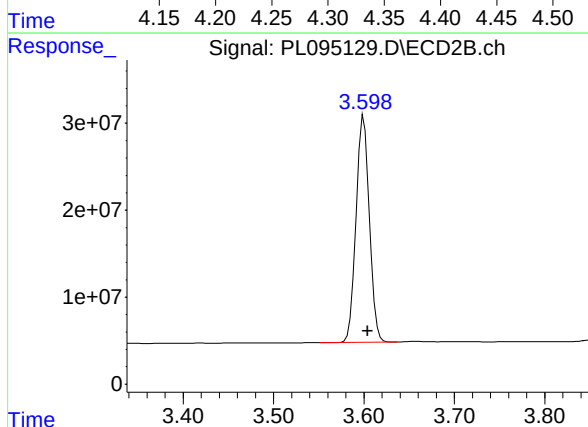
ECD_L

ClientSampleId :

PSTDCCC050

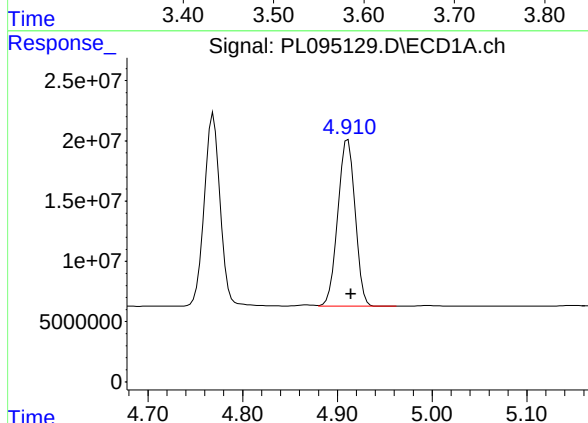
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



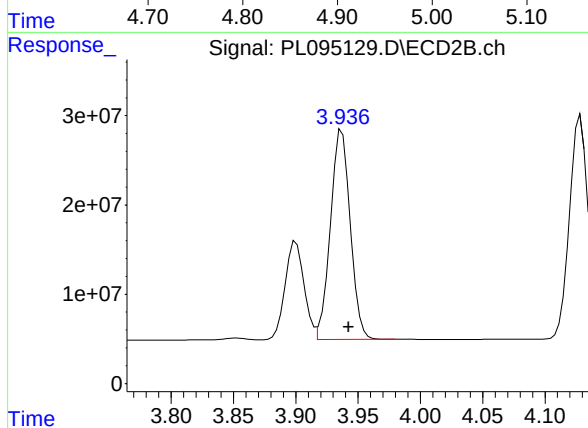
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 267096700
Conc: 51.97 ng/ml



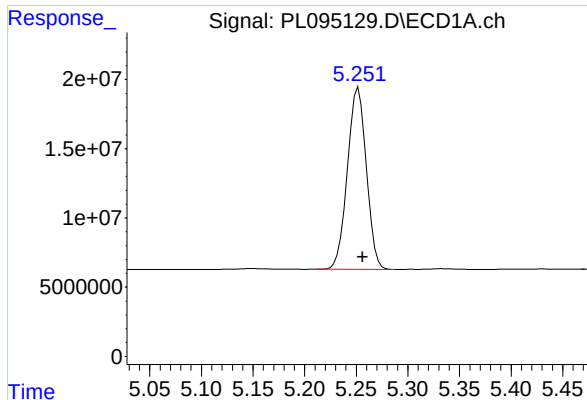
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 174865744
Conc: 45.05 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 259818251
Conc: 49.31 ng/ml



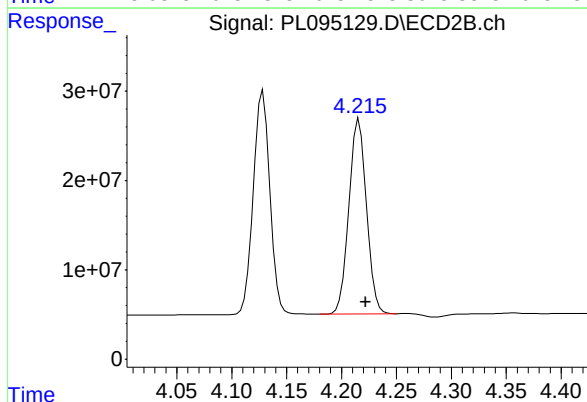
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 167525316
Conc: 45.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

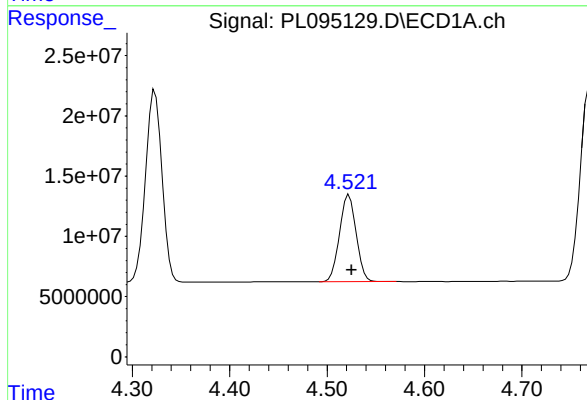
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



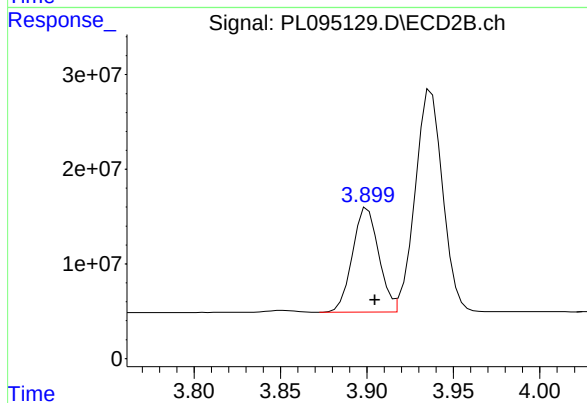
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 243727026
Conc: 49.98 ng/ml



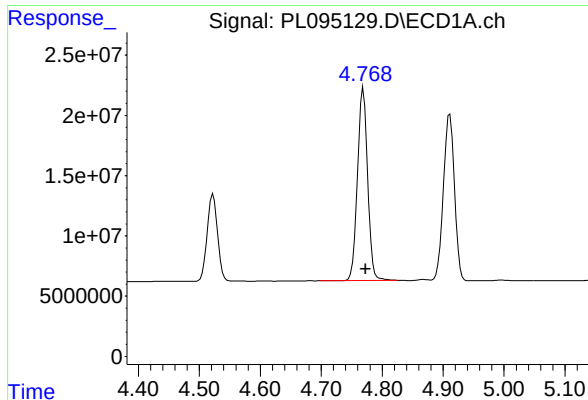
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 85729976
Conc: 46.46 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.004 min
Response: 116422698
Conc: 52.41 ng/ml



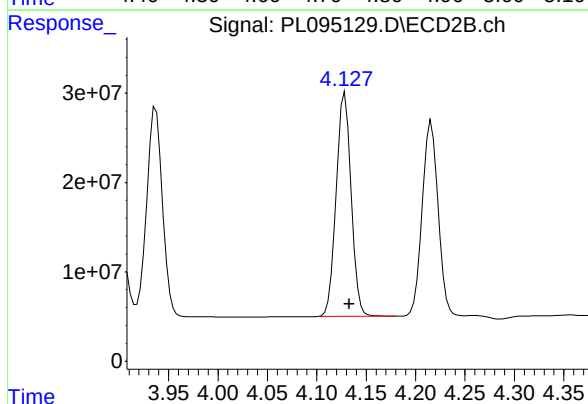
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: -0.004 min
Response: 185511825
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

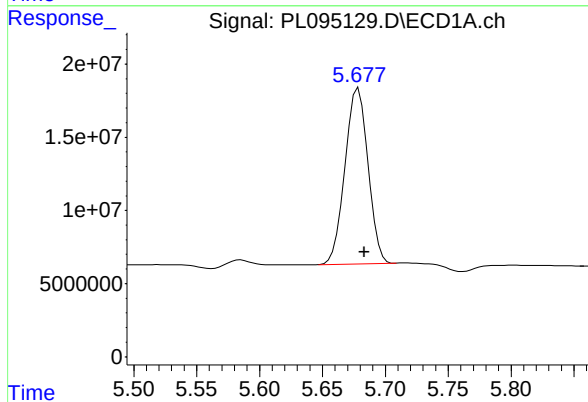
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



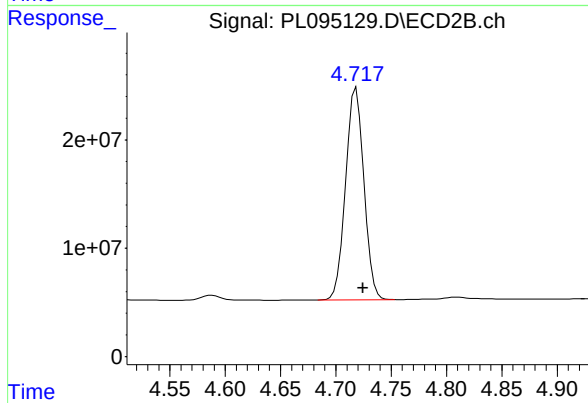
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 263515366
Conc: 52.68 ng/ml



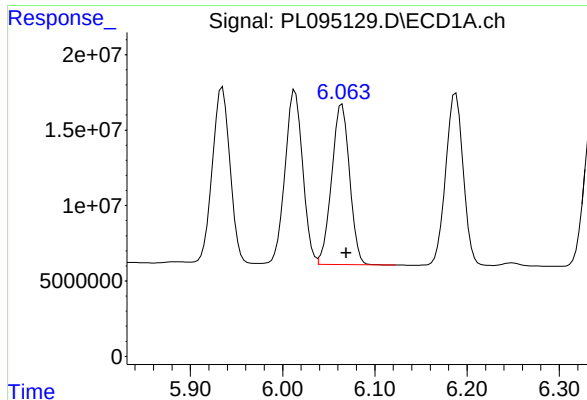
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 152735761
Conc: 45.66 ng/ml



#8 Heptachlor epoxide

R.T.: 4.717 min
Delta R.T.: -0.008 min
Response: 225905217
Conc: 49.34 ng/ml m



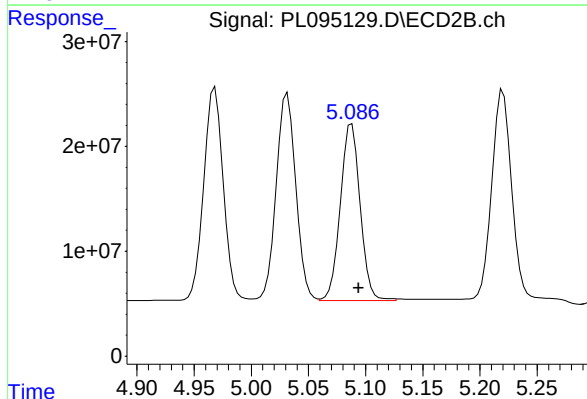
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.005 min
Response: 143157330
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

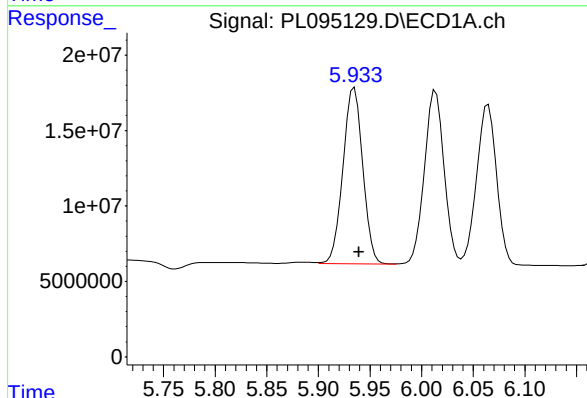
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



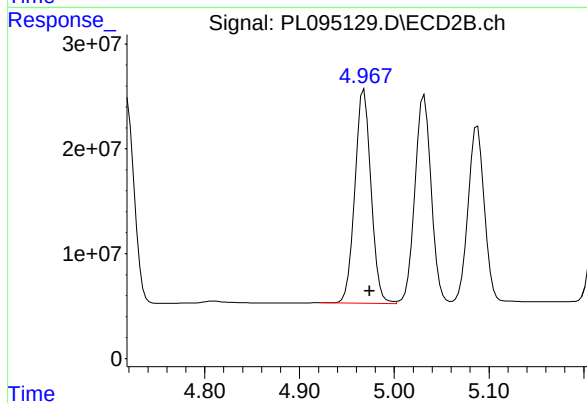
#9 Endosulfan I

R.T.: 5.086 min
Delta R.T.: -0.008 min
Response: 203148100
Conc: 46.29 ng/ml



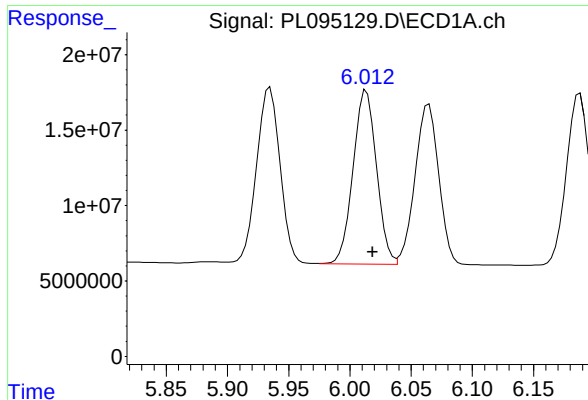
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 156013820
Conc: 46.30 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 241550693
Conc: 50.03 ng/ml



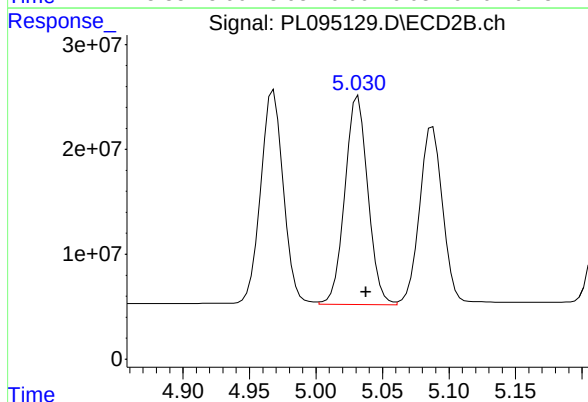
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: -0.005 min
Response: 153460302
Conc: 46.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

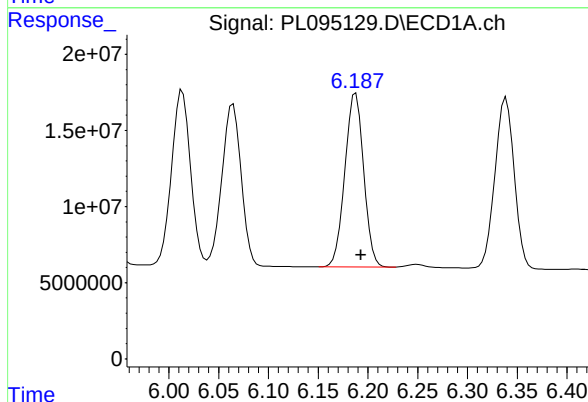
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



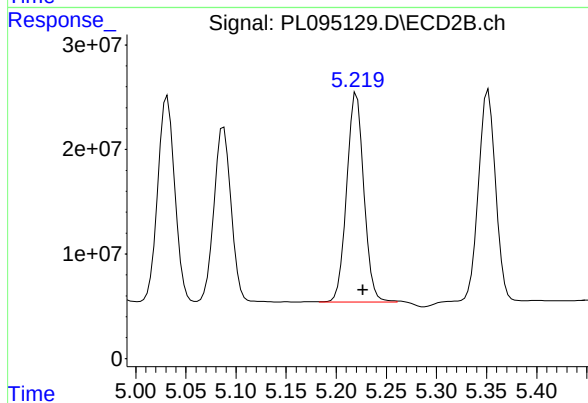
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 239468377
Conc: 50.17 ng/ml



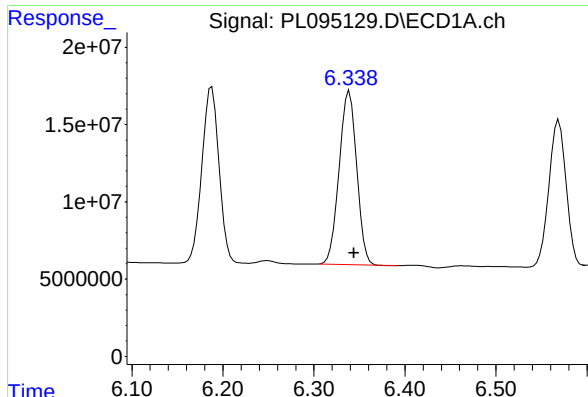
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 150146113
Conc: 51.03 ng/ml



#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.008 min
Response: 237868252
Conc: 51.17 ng/ml m



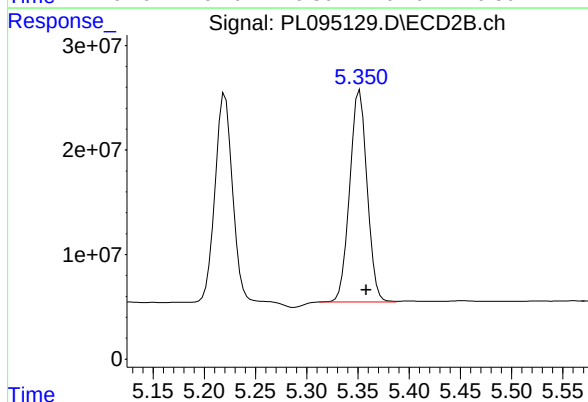
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.005 min
Response: 150290345
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

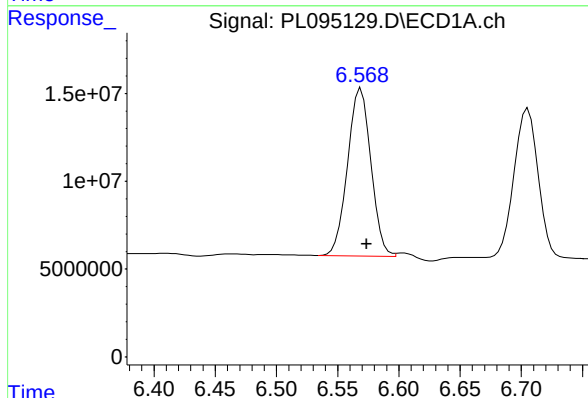
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



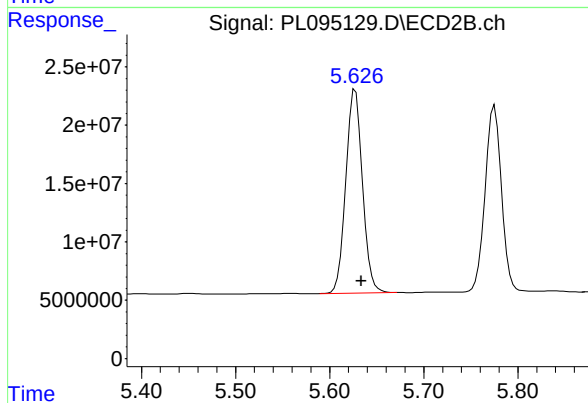
#13 Dieldrin

R.T.: 5.350 min
Delta R.T.: -0.008 min
Response: 239079861
Conc: 49.28 ng/ml



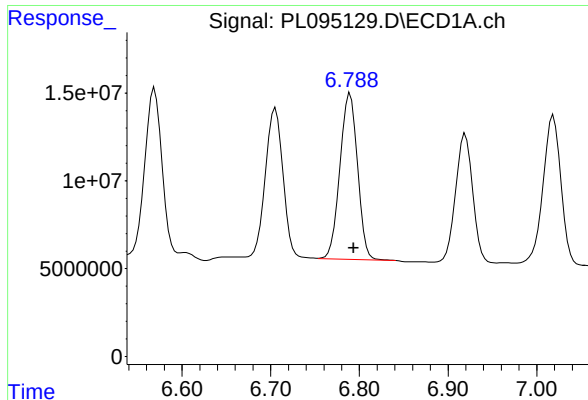
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.006 min
Response: 126849970
Conc: 45.76 ng/ml



#14 Endrin

R.T.: 5.626 min
Delta R.T.: -0.008 min
Response: 214989209
Conc: 49.27 ng/ml



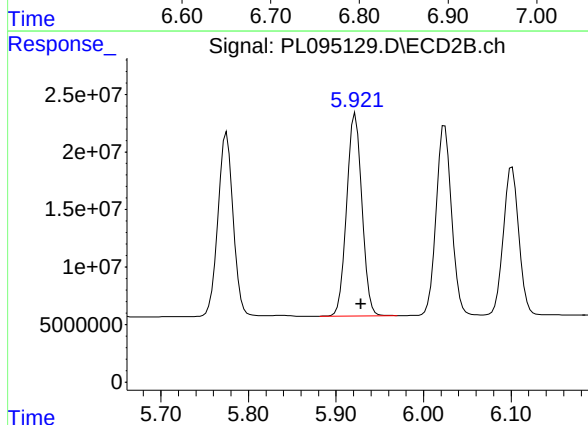
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.004 min
Response: 130627896
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

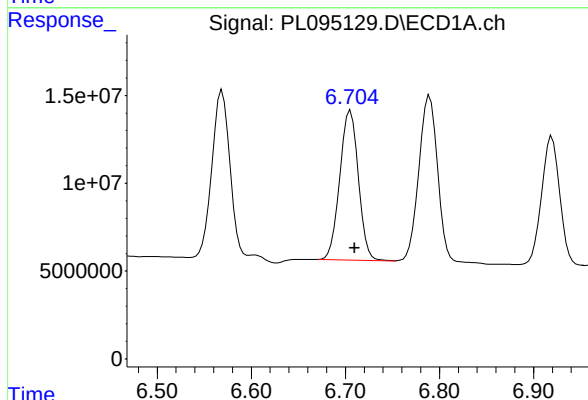
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



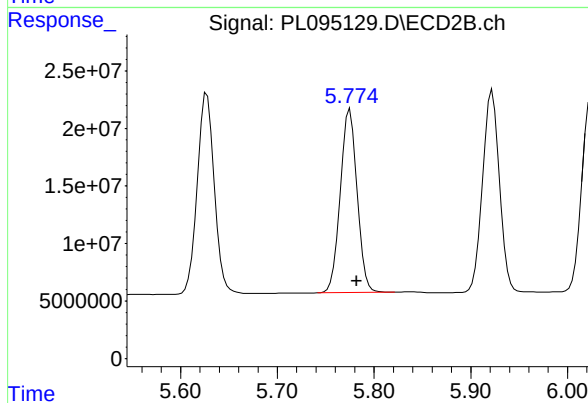
#15 Endosulfan II

R.T.: 5.921 min
Delta R.T.: -0.008 min
Response: 212705921
Conc: 49.14 ng/ml



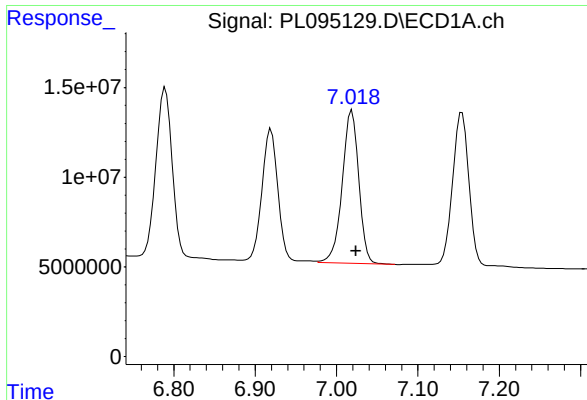
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.004 min
Response: 117646329
Conc: 54.31 ng/ml



#16 4,4'-DDD

R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 192362516
Conc: 53.50 ng/ml



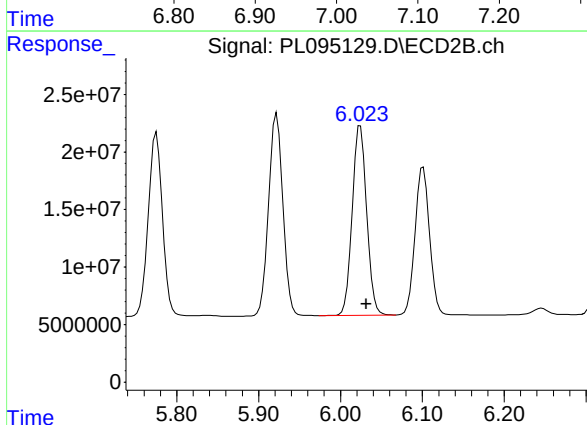
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.005 min
Response: 120615572
Conc: 50.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

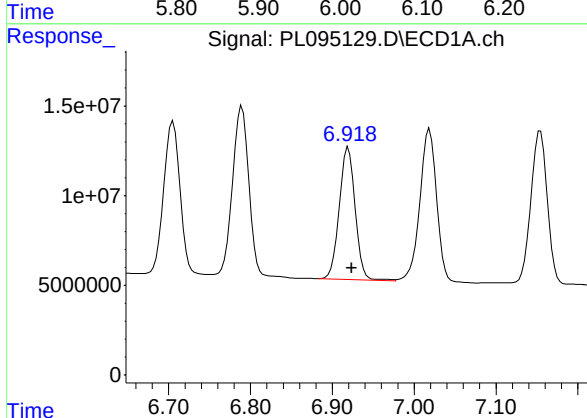
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



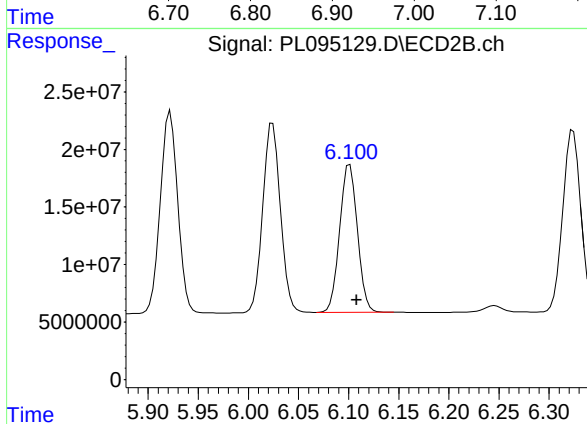
#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.007 min
Response: 203416563
Conc: 50.45 ng/ml



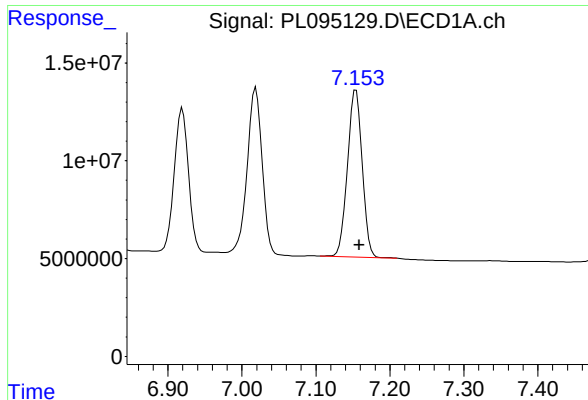
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.004 min
Response: 99603103
Conc: 47.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.101 min
Delta R.T.: -0.007 min
Response: 158606097
Conc: 47.13 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: -0.004 min
Response: 117967280
Conc: 48.51 ng/ml

Instrument :

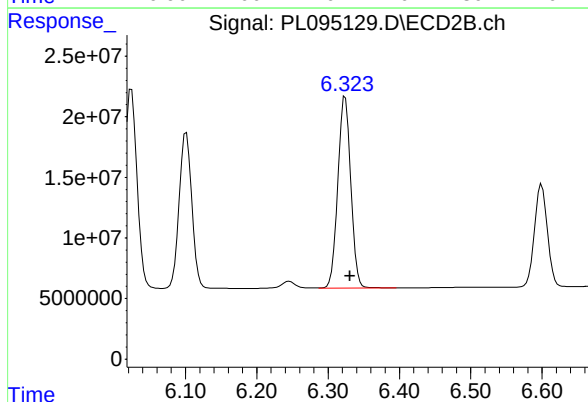
ECD_L

ClientSampleId :

PSTDCCC050

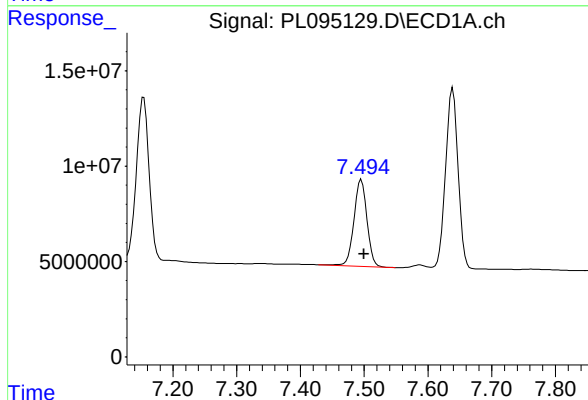
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



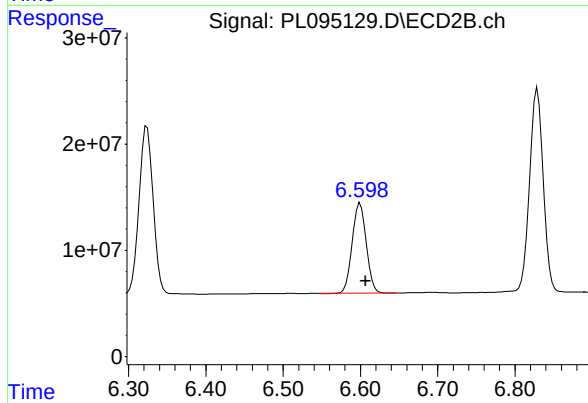
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: -0.007 min
Response: 199795240
Conc: 49.05 ng/ml



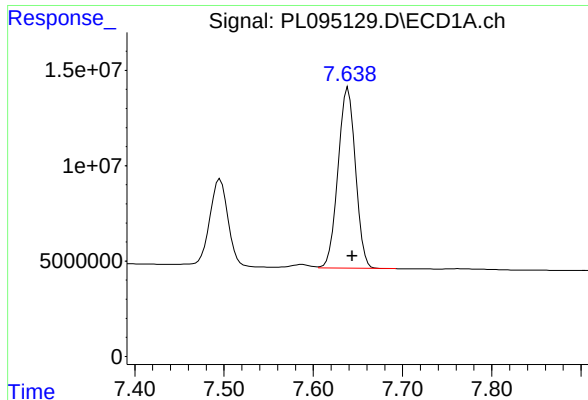
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 64342499
Conc: 53.75 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.007 min
Response: 106463629
Conc: 50.19 ng/ml



#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 128218595
Conc: 48.51 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025

#21 Endrin ketone

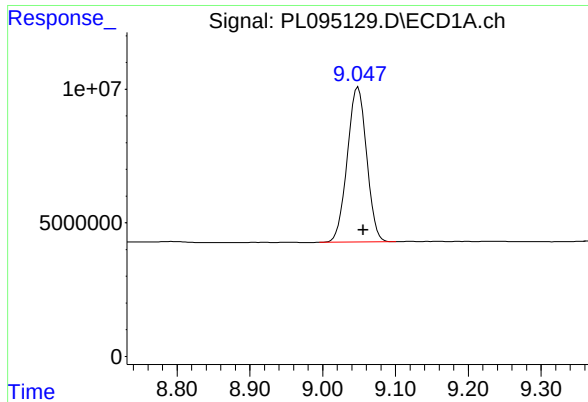
R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 240525410
Conc: 50.40 ng/ml m

#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.006 min
Response: 94808633
Conc: 45.88 ng/ml

#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 181240481
Conc: 47.75 ng/ml



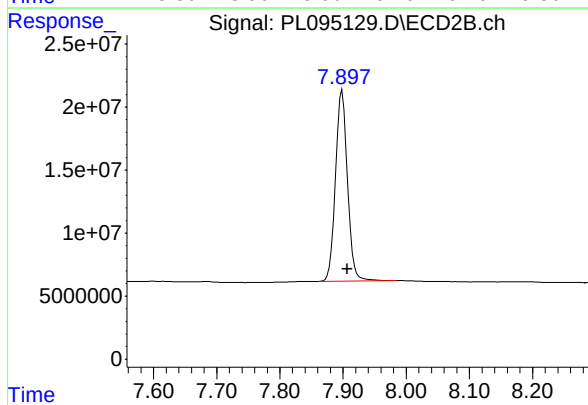
#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 107049826
Conc: 50.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 199095175
Conc: 49.29 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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.06	6.07	5.97	6.17	0.01
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.16	7.06	7.26	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.01
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.01	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Continuing Calib Date: 04/09/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	5.93	5.83	6.03	0.01
4,4'-DDD	5.77	5.78	5.68	5.88	0.01
Endosulfan sulfate	6.32	6.33	6.23	6.43	0.01
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL06 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095138.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.610	6.810	51.650	50.000	3.3
4,4'-DDE	6.188	6.093	6.293	49.470	50.000	-1.1
4,4'-DDT	7.018	6.924	7.124	45.850	50.000	-8.3
Aldrin	5.252	5.156	5.356	43.520	50.000	-13.0
alpha-BHC	3.990	3.894	4.094	45.690	50.000	-8.6
alpha-Chlordane	6.013	5.918	6.118	44.770	50.000	-10.5
beta-BHC	4.522	4.425	4.625	44.420	50.000	-11.2
Decachlorobiphenyl	9.048	8.956	9.156	48.170	50.000	-3.7
delta-BHC	4.769	4.673	4.873	45.670	50.000	-8.7
Dieldrin	6.340	6.244	6.444	45.310	50.000	-9.4
Endosulfan I	6.064	5.969	6.169	45.080	50.000	-9.8
Endosulfan II	6.789	6.694	6.894	45.330	50.000	-9.3
Endosulfan sulfate	7.154	7.059	7.259	45.540	50.000	-8.9
Endrin	6.567	6.474	6.674	42.670	50.000	-14.7
Endrin aldehyde	6.919	6.824	7.024	42.630	50.000	-14.7
Endrin ketone	7.639	7.544	7.744	46.410	50.000	-7.2
gamma-BHC (Lindane)	4.323	4.227	4.427	45.190	50.000	-9.6
gamma-Chlordane	5.935	5.840	6.040	44.700	50.000	-10.6
Heptachlor	4.910	4.815	5.015	42.960	50.000	-14.1
Heptachlor epoxide	5.678	5.583	5.783	44.200	50.000	-11.6
Methoxychlor	7.495	7.400	7.600	48.130	50.000	-3.7
Tetrachloro-m-xylene	3.534	3.438	3.638	46.390	50.000	-7.2



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

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

Client Sample No.: CCAL06 Date Analyzed: 04/09/2025

Lab Sample No.: PSTDCCC050 Data File : PL095138.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.774	5.682	5.882	49.990	50.000	0.0
4,4'-DDE	5.218	5.127	5.327	48.780	50.000	-2.4
4,4'-DDT	6.025	5.932	6.132	44.420	50.000	-11.2
Aldrin	4.215	4.122	4.322	48.580	50.000	-2.8
alpha-BHC	3.269	3.174	3.374	51.370	50.000	2.7
alpha-Chlordane	5.031	4.938	5.138	46.120	50.000	-7.8
beta-BHC	3.899	3.805	4.005	51.080	50.000	2.2
Decachlorobiphenyl	7.899	7.807	8.007	40.930	50.000	-18.1
delta-BHC	4.127	4.033	4.233	50.870	50.000	1.7
Dieldrin	5.350	5.258	5.458	46.650	50.000	-6.7
Endosulfan I	5.087	4.994	5.194	42.400	50.000	-15.2
Endosulfan II	5.921	5.829	6.029	44.900	50.000	-10.2
Endosulfan sulfate	6.324	6.231	6.431	46.000	50.000	-8.0
Endrin	5.626	5.534	5.734	46.910	50.000	-6.2
Endrin aldehyde	6.101	6.008	6.208	43.310	50.000	-13.4
Endrin ketone	6.829	6.736	6.936	43.540	50.000	-12.9
gamma-BHC (Lindane)	3.599	3.504	3.704	50.840	50.000	1.7
gamma-Chlordane	4.967	4.874	5.074	46.500	50.000	-7.0
Heptachlor	3.936	3.842	4.042	47.670	50.000	-4.7
Heptachlor epoxide	4.717	4.625	4.825	47.170	50.000	-5.7
Methoxychlor	6.599	6.507	6.707	44.680	50.000	-10.6
Tetrachloro-m-xylene	2.768	2.672	2.872	51.110	50.000	2.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095138.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 16:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:24:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	131.3E6	182.4E6	46.387	51.110
28) SA Decachlor...	9.048	7.899	101.5E6	165.3E6	48.172	40.931
Target Compounds						
2) A alpha-BHC	3.990	3.269	189.7E6	277.0E6	45.686	51.374
3) MA gamma-BHC...	4.323	3.599	180.3E6	261.3E6	45.189	50.836
4) MA Heptachlor	4.910	3.936	166.8E6	251.1E6	42.964	47.667
5) MB Aldrin	5.252	4.215	160.7E6	236.9E6	43.523	48.578
6) B beta-BHC	4.522	3.899	81970715	113.5E6	44.423	51.079
7) B delta-BHC	4.769	4.127	177.9E6	254.4E6	45.675	50.868
8) B Heptachlo...	5.678	4.717	147.8E6	216.0E6	44.197	47.169
9) A Endosulfan I	6.064	5.087	138.4E6	186.1E6	45.084	42.404
10) B gamma-Chl...	5.935	4.967	150.6E6	224.5E6	44.704	46.495
11) B alpha-Chl...	6.013	5.031	147.6E6	220.1E6	44.766	46.123
12) B 4,4'-DDE	6.188	5.218	145.5E6	226.8E6	49.470	48.782m
13) MA Dieldrin	6.340	5.350	144.9E6	226.3E6	45.314	46.646m
14) MA Endrin	6.567	5.626	118.3E6	204.7E6	42.671m	46.906m
15) B Endosulfa...	6.789	5.921	123.0E6	194.3E6	45.326	44.896m
16) A 4,4'-DDD	6.706	5.774	111.9E6	179.8E6	51.653	49.995
17) MA 4,4'-DDT	7.018	6.025	109.1E6	179.1E6	45.854	44.415
18) B Endrin al...	6.919	6.101	89997618	145.8E6	42.633	43.314
19) B Endosulfa...	7.154	6.324	110.8E6	187.4E6	45.539	45.998
20) A Methoxychlor	7.495	6.599	57616817	94773607	48.131	44.682
21) B Endrin ke...	7.639	6.829	122.7E6	207.8E6	46.408	43.542
22) Mirex	8.112	7.008	88334793	160.5E6	42.751	42.300

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

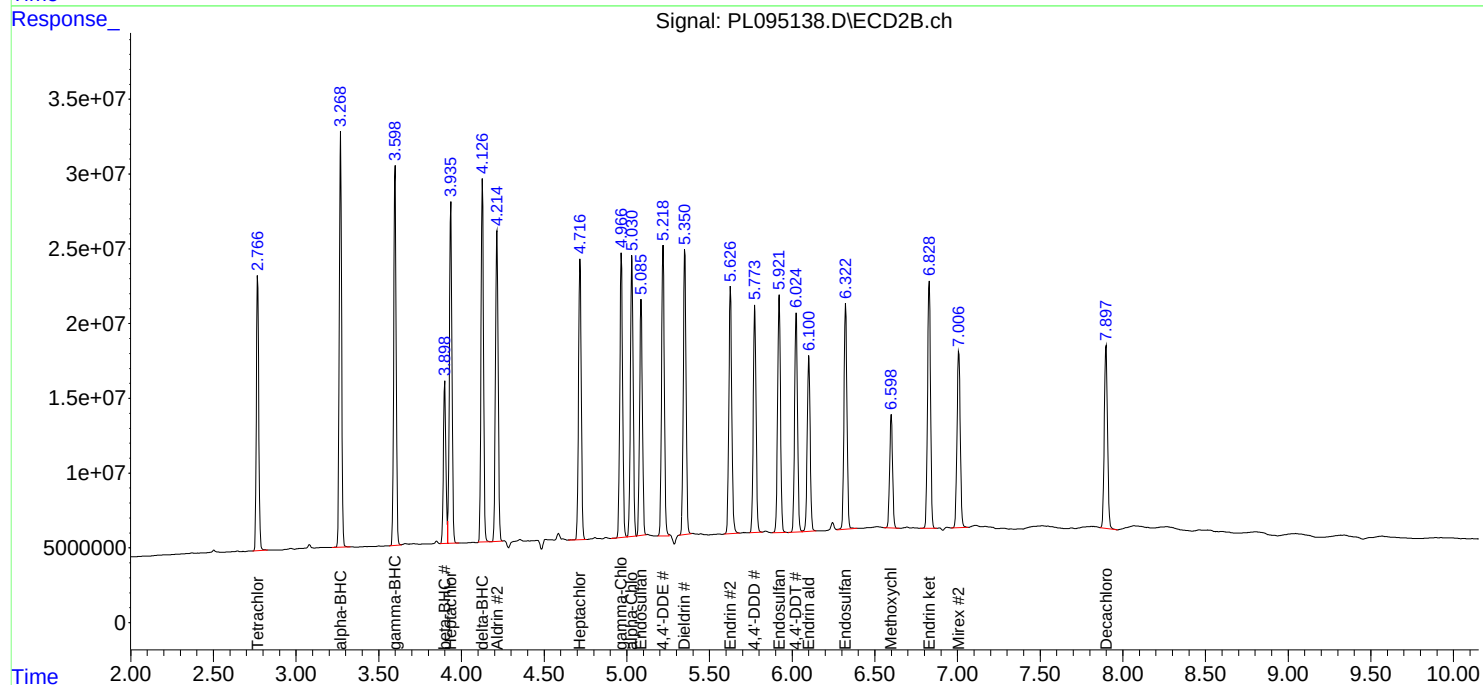
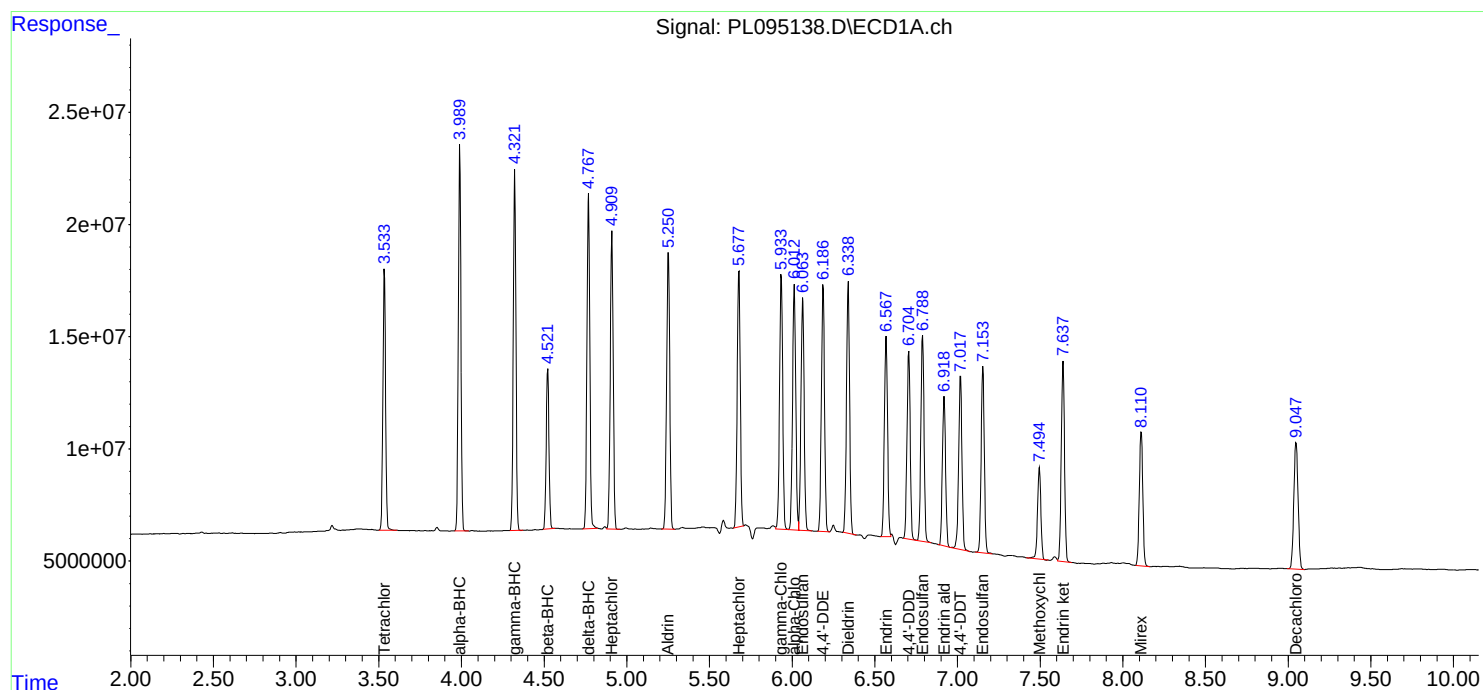
APPROVED

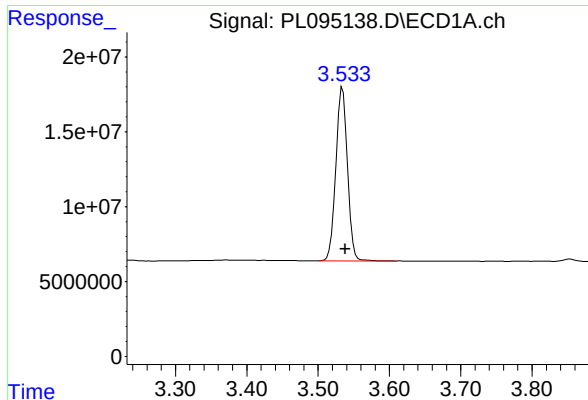
Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:24:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





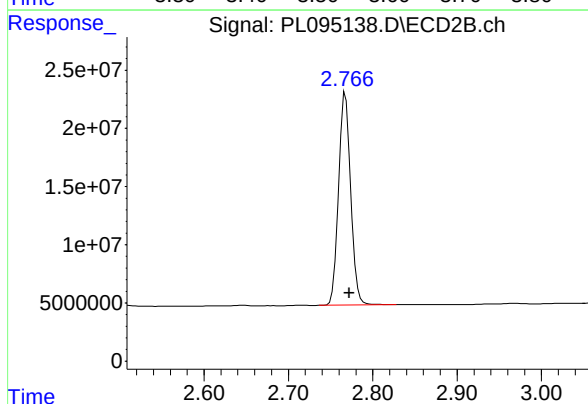
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 131307212
Conc: 46.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

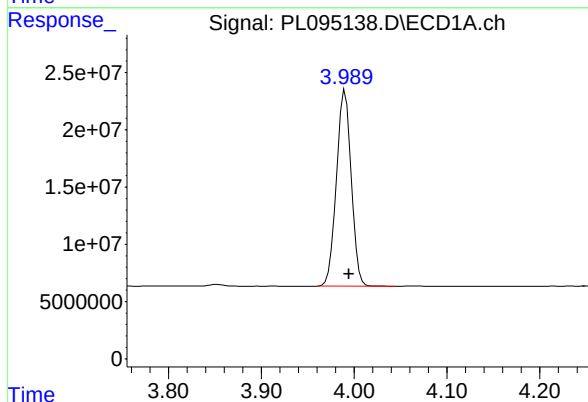
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



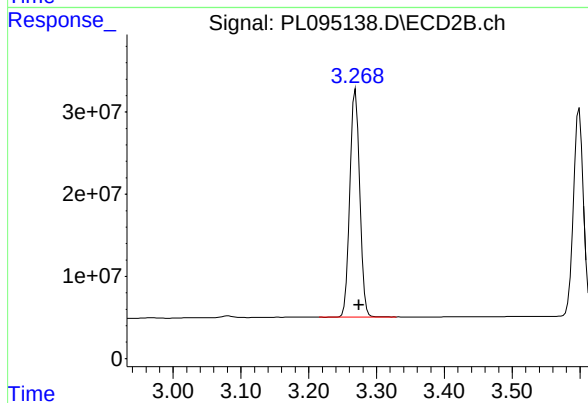
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 182425365
Conc: 51.11 ng/ml



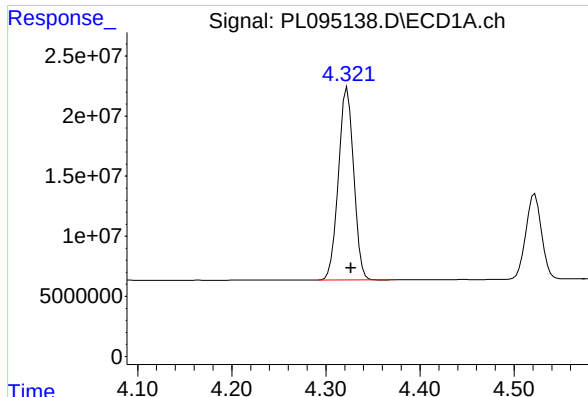
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 189703041
Conc: 45.69 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 276974682
Conc: 51.37 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 180314572
Conc: 45.19 ng/ml

Instrument :

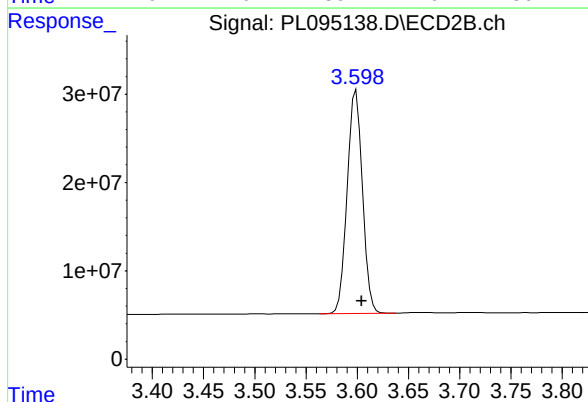
ECD_L

ClientSampleId :

PSTDCCC050

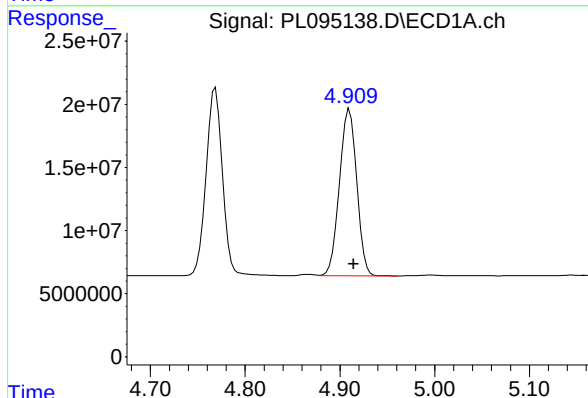
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



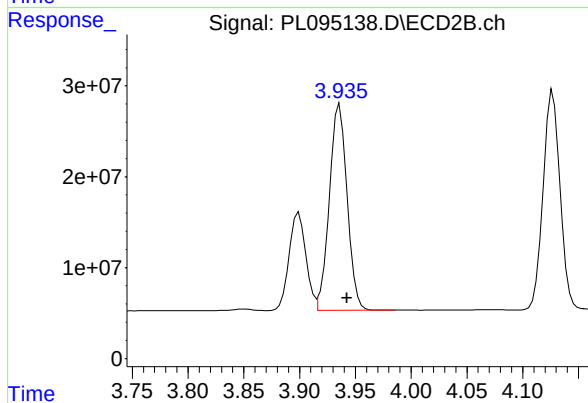
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 261267156
Conc: 50.84 ng/ml



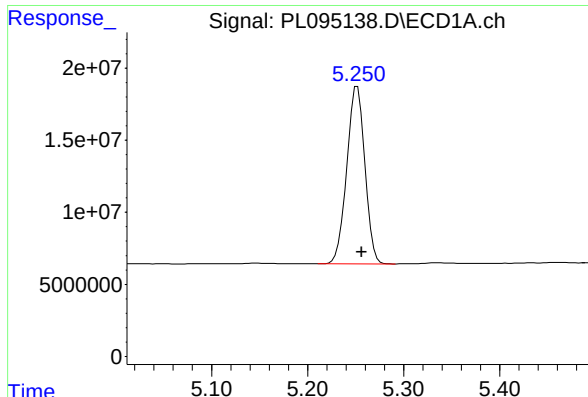
#4 Heptachlor

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 166772091
Conc: 42.96 ng/ml



#4 Heptachlor

R.T.: 3.936 min
Delta R.T.: -0.006 min
Response: 251143014
Conc: 47.67 ng/ml



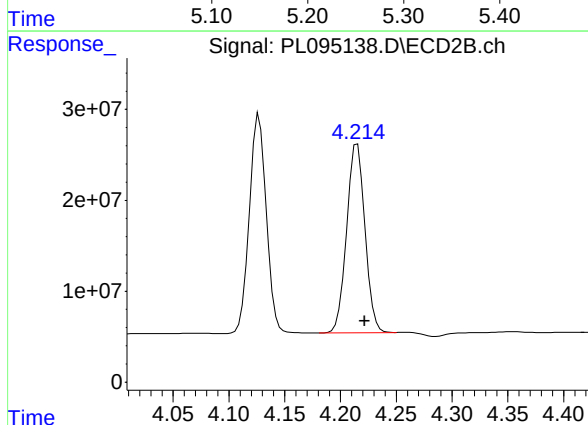
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.005 min
Response: 160697039
Conc: 43.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

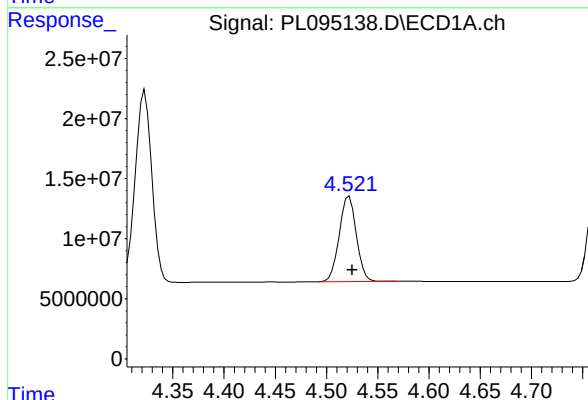
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



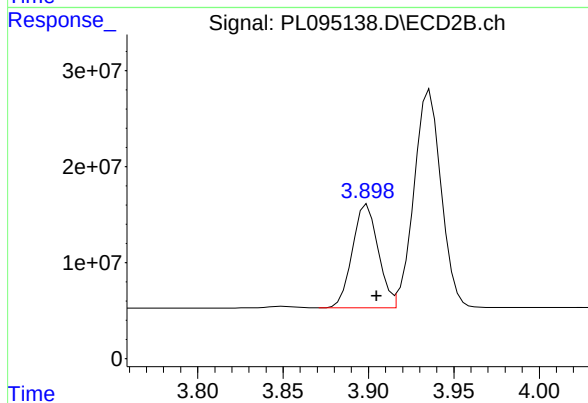
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.007 min
Response: 236882712
Conc: 48.58 ng/ml



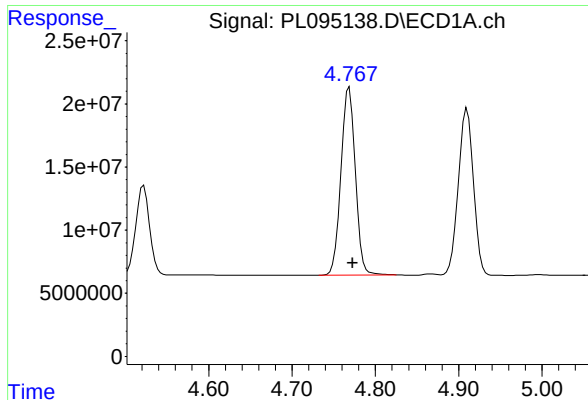
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 81970715
Conc: 44.42 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.005 min
Response: 113461422
Conc: 51.08 ng/ml



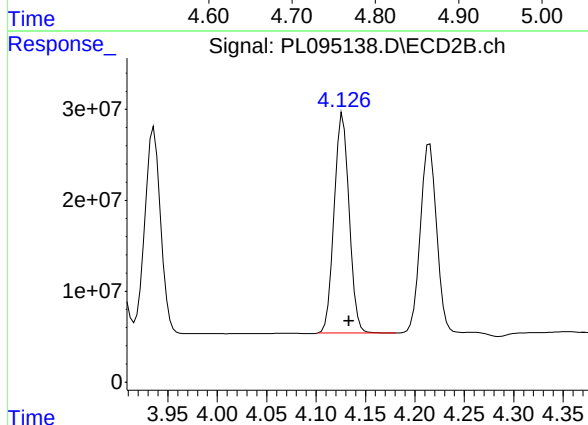
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: -0.004 min
Response: 177870858
Conc: 45.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

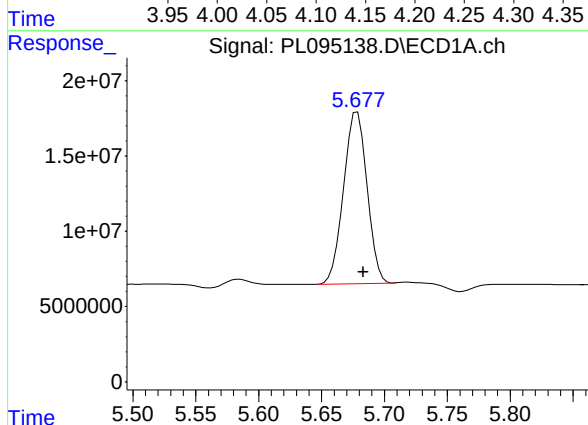
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



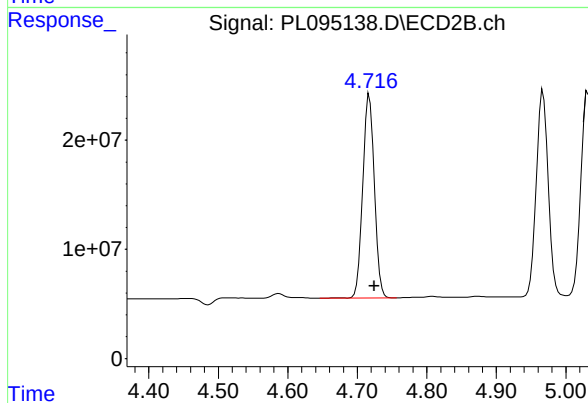
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: -0.006 min
Response: 254439237
Conc: 50.87 ng/ml



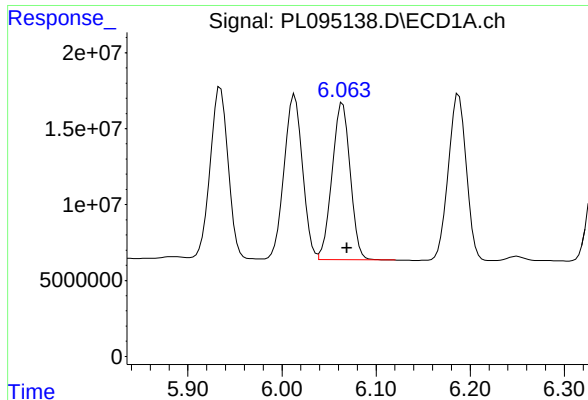
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 147847153
Conc: 44.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.717 min
Delta R.T.: -0.007 min
Response: 215967610
Conc: 47.17 ng/ml



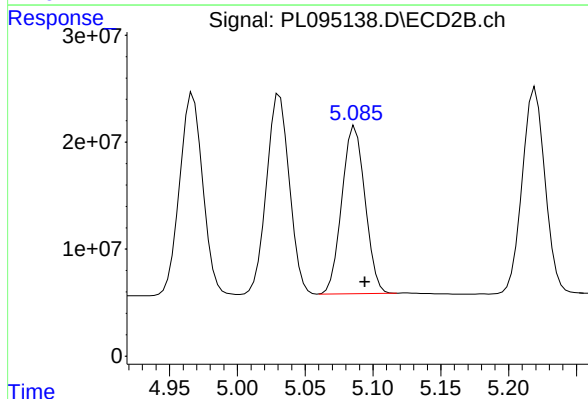
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.005 min
Response: 138417438
Conc: 45.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

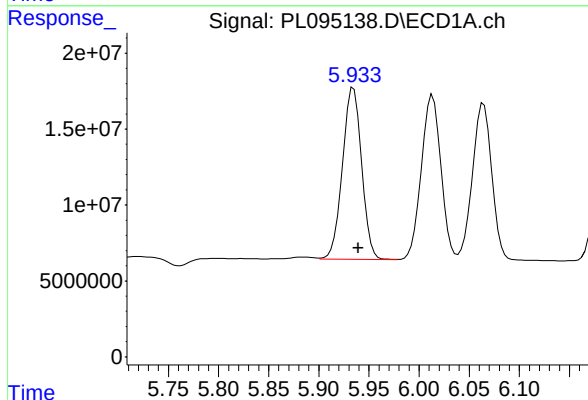
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



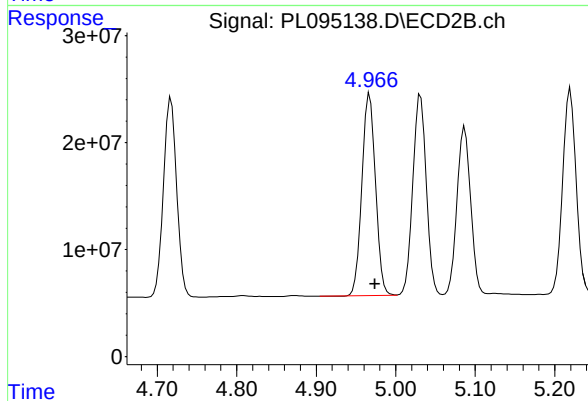
#9 Endosulfan I

R.T.: 5.087 min
Delta R.T.: -0.007 min
Response: 186101263
Conc: 42.40 ng/ml



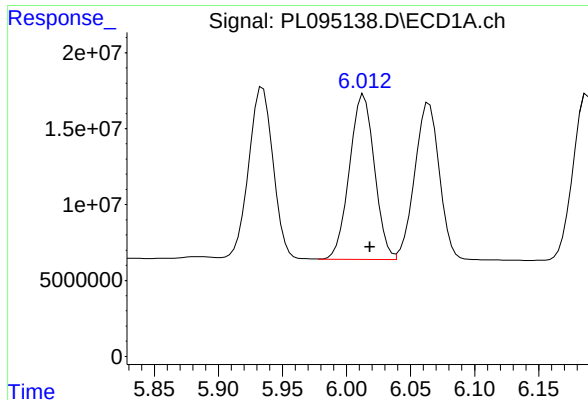
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 150623275
Conc: 44.70 ng/ml



#10 gamma-Chlordane

R.T.: 4.967 min
Delta R.T.: -0.007 min
Response: 224498477
Conc: 46.50 ng/ml



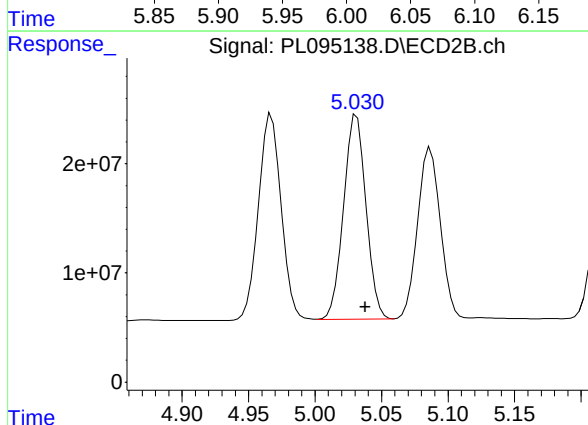
#11 alpha-Chlordane

R.T.: 6.013 min
Delta R.T.: -0.005 min
Response: 147587932
Conc: 44.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

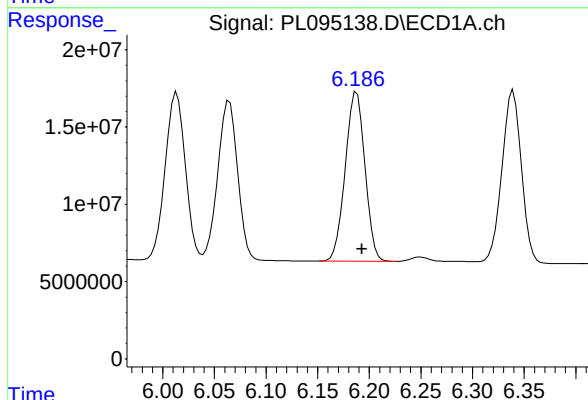
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



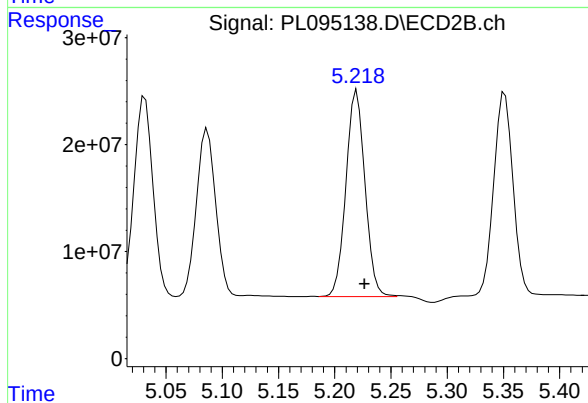
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.006 min
Response: 220136036
Conc: 46.12 ng/ml



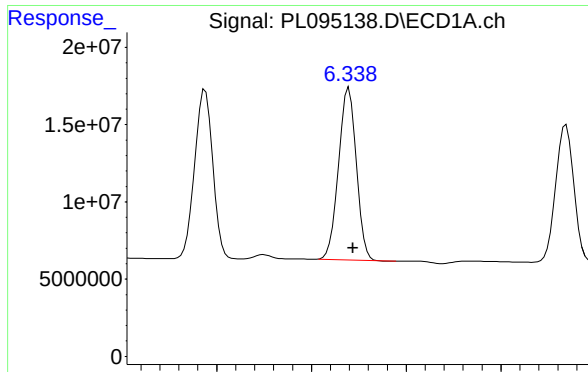
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 145543970
Conc: 49.47 ng/ml



#12 4,4'-DDE

R.T.: 5.218 min
Delta R.T.: -0.008 min
Response: 226766407
Conc: 48.78 ng/ml m



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 144919119
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025

#13 Dieldrin

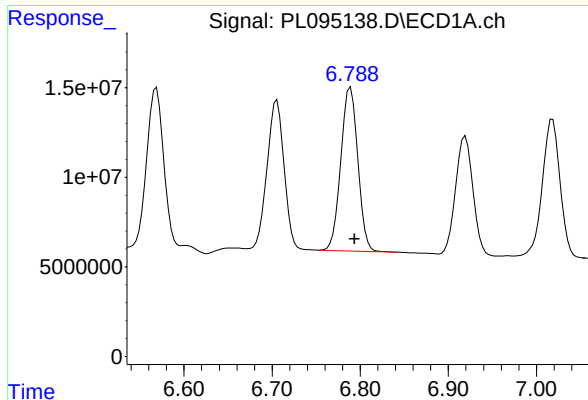
R.T.: 5.350 min
Delta R.T.: -0.008 min
Response: 226315731
Conc: 46.65 ng/ml

#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.006 min
Response: 118287005
Conc: 42.67 ng/ml

#14 Endrin

R.T.: 5.626 min
Delta R.T.: -0.008 min
Response: 204683166
Conc: 46.91 ng/ml



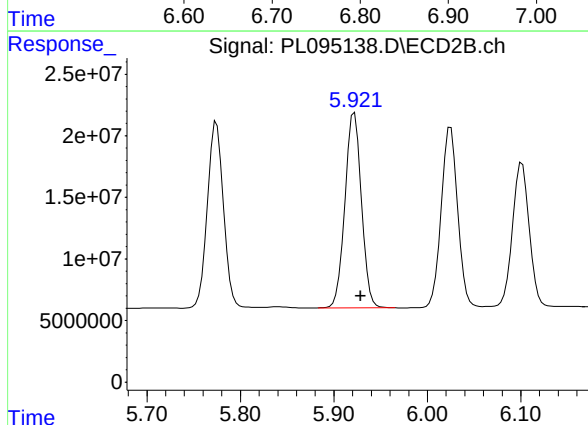
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: -0.005 min
Response: 123049667
Conc: 45.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

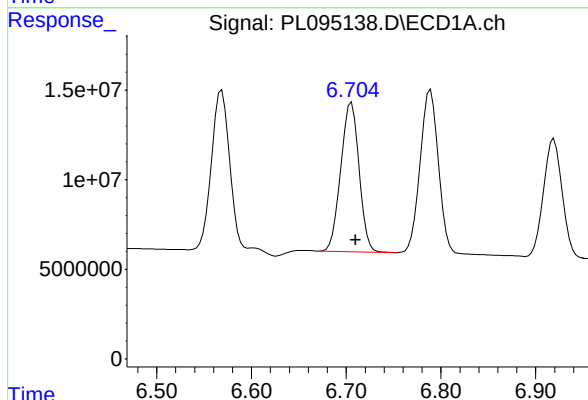
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



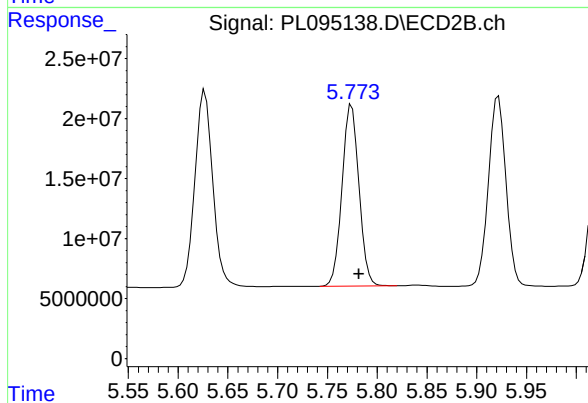
#15 Endosulfan II

R.T.: 5.921 min
Delta R.T.: -0.008 min
Response: 194321234
Conc: 44.90 ng/ml



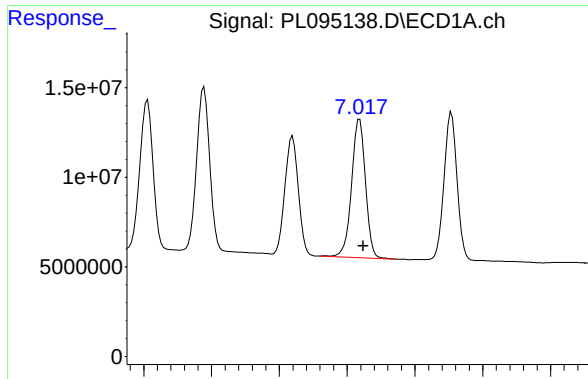
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 111883433
Conc: 51.65 ng/ml



#16 4,4'-DDD

R.T.: 5.774 min
Delta R.T.: -0.008 min
Response: 179775557
Conc: 49.99 ng/ml



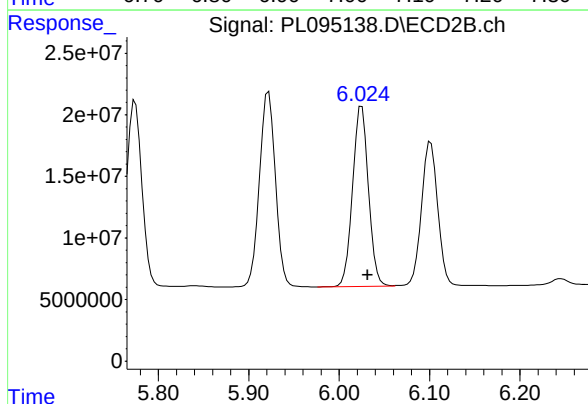
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.006 min
Response: 10906668
Conc: 45.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

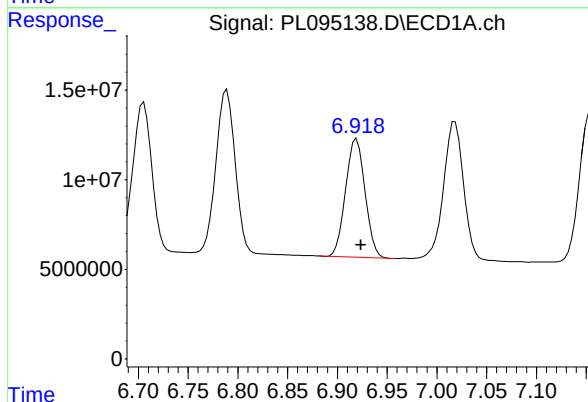
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



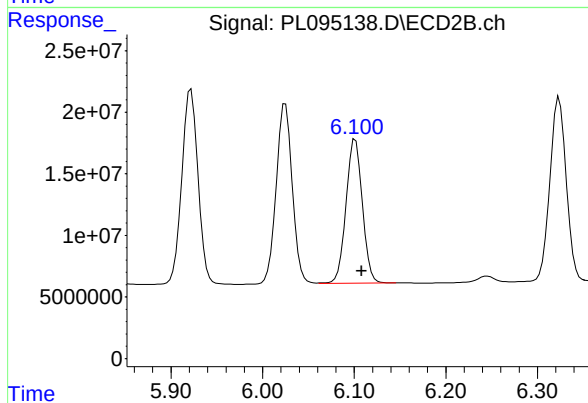
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.007 min
Response: 179086165
Conc: 44.42 ng/ml



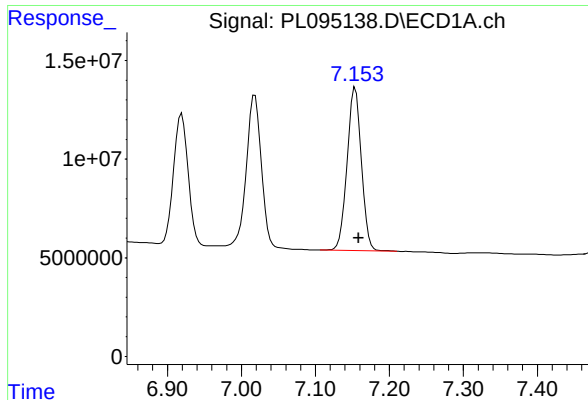
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.004 min
Response: 89997618
Conc: 42.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.101 min
Delta R.T.: -0.007 min
Response: 145768640
Conc: 43.31 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 110752917
Conc: 45.54 ng/ml

Instrument :

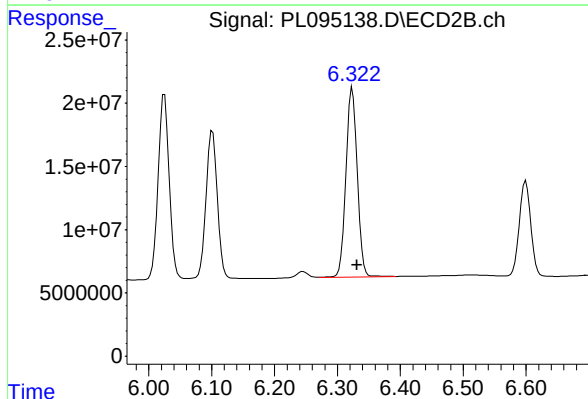
ECD_L

ClientSampleId :

PSTDCCC050

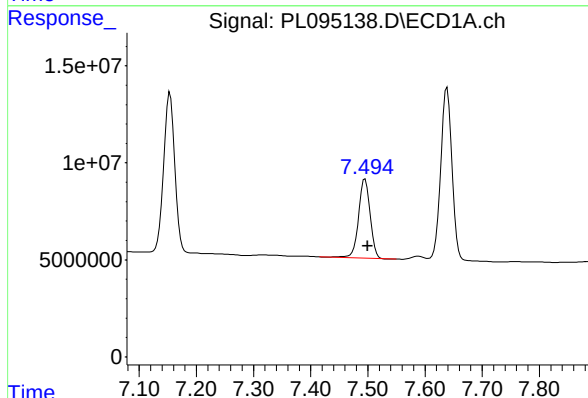
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



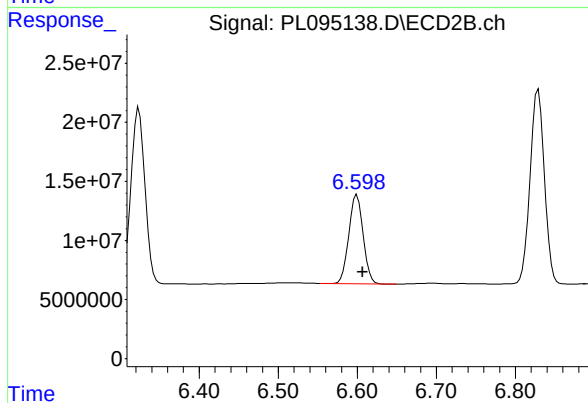
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: -0.007 min
Response: 187370696
Conc: 46.00 ng/ml



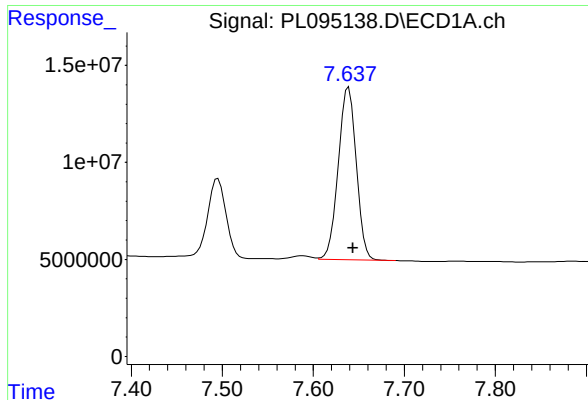
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: -0.004 min
Response: 57616817
Conc: 48.13 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.007 min
Response: 94773607
Conc: 44.68 ng/ml



#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 122668171
Conc: 46.41 ng/ml

Instrument :

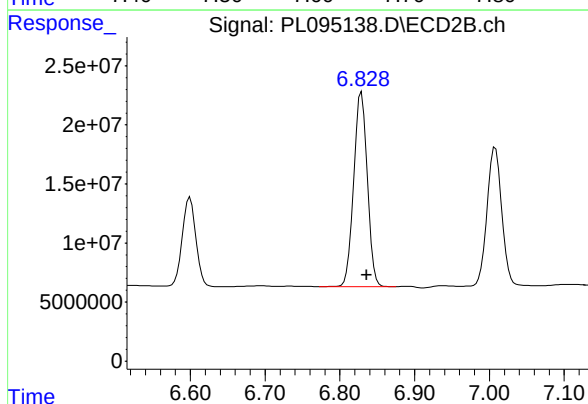
ECD_L

ClientSampleId :

PSTDCCC050

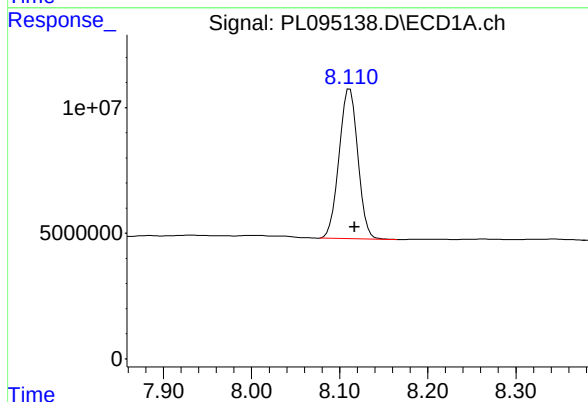
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



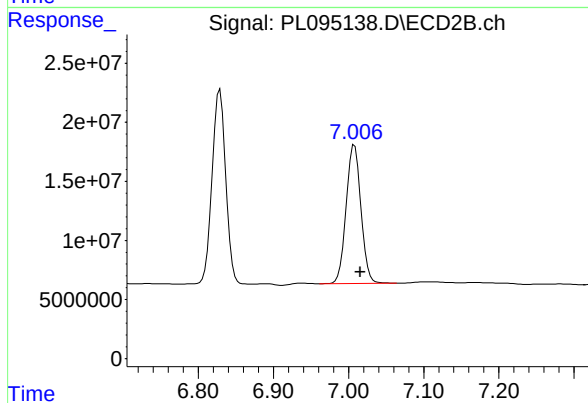
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 207806979
Conc: 43.54 ng/ml



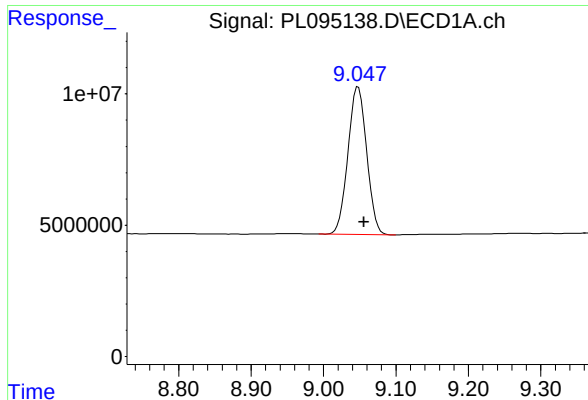
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 88334793
Conc: 42.75 ng/ml



#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 160543571
Conc: 42.30 ng/ml



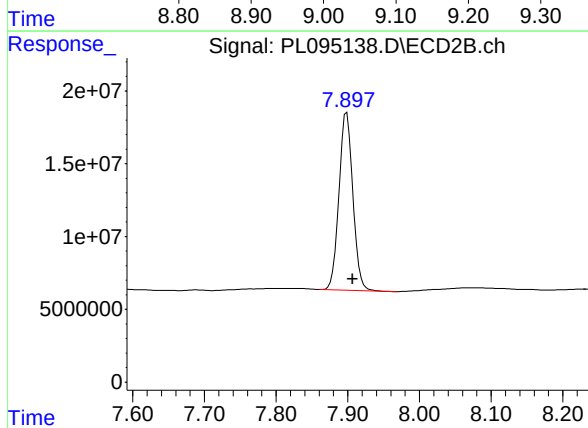
#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.008 min
Response: 101519953
Conc: 48.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 165333916
Conc: 40.93 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1730** SAS No.: **Q1730** SDG NO.: **Q1730**

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

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

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

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

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

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

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

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

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

ENDRIN BREAK DOWN

Column #1

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

Column #2

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

DDT BREAK DOWN

Column #1

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

Column #2

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

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

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	55468340	68955312	19.595	19.319
2) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
16) A 4,4'-DDD	6.709	5.779	1264001	4221824	0.584m	1.174m#
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	6.919	6.106	2907361	6474395	1.377m	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.639	6.832	5622823	9085072	2.127m	1.904m

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

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

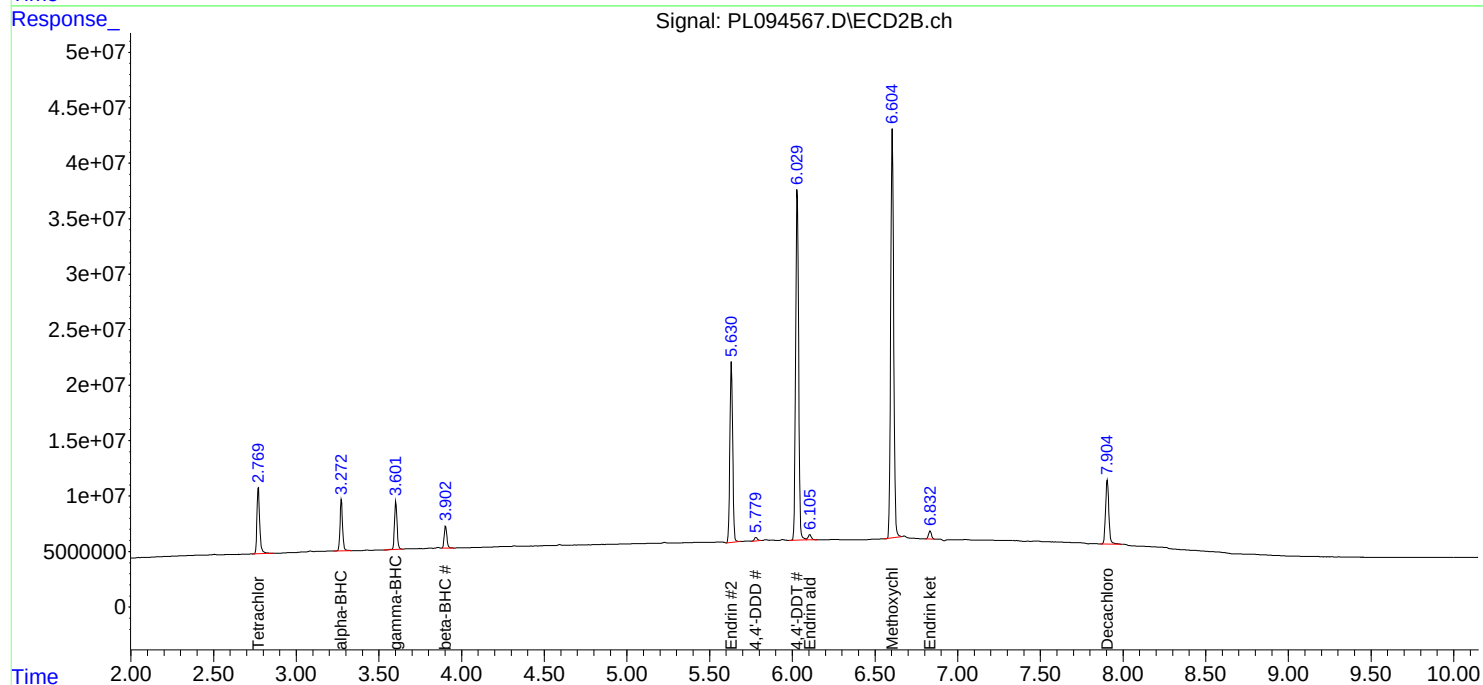
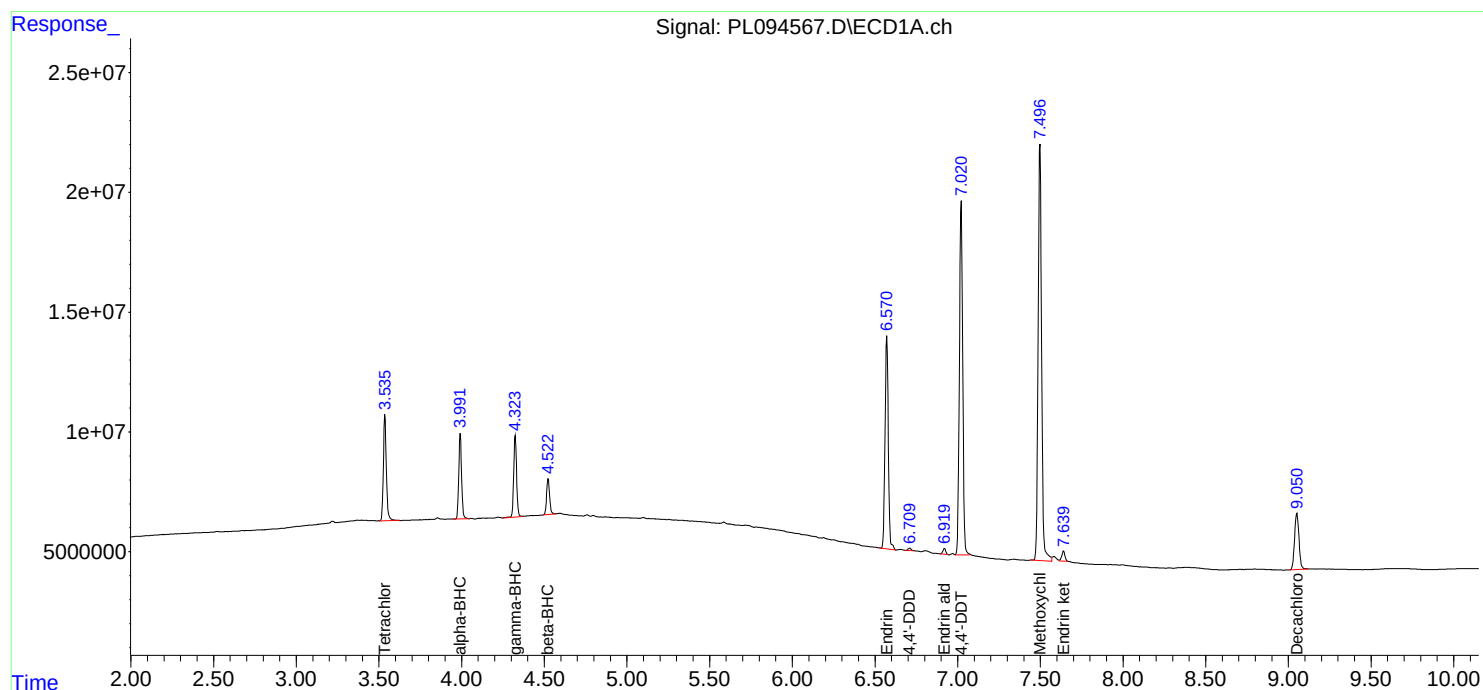
Instrument :
ECD_L
ClientSampleId :
PEM

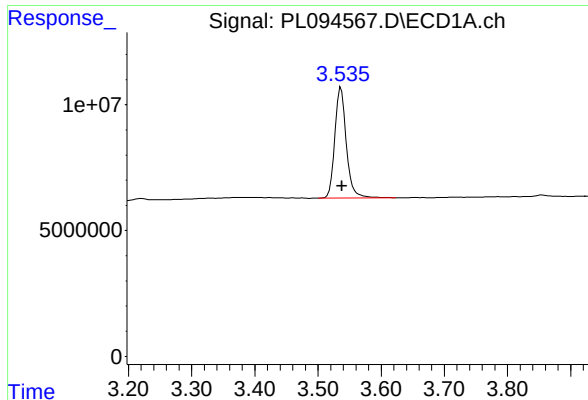
Manual Integrations
APPROVED

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

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

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





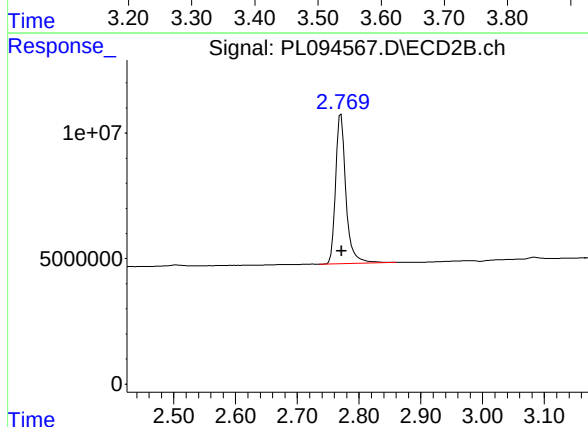
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PEM

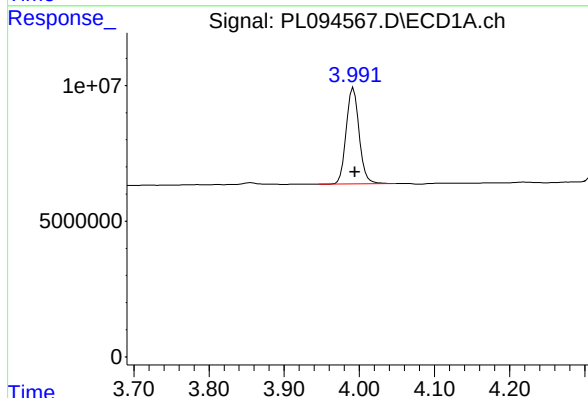
Manual Integrations
APPROVED

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



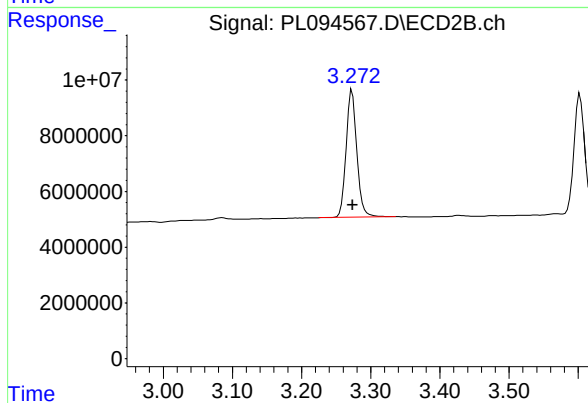
#1 Tetrachloro-m-xylene

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



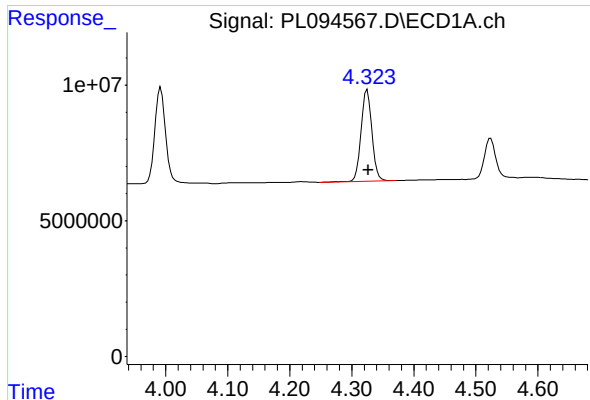
#2 alpha-BHC

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



#2 alpha-BHC

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



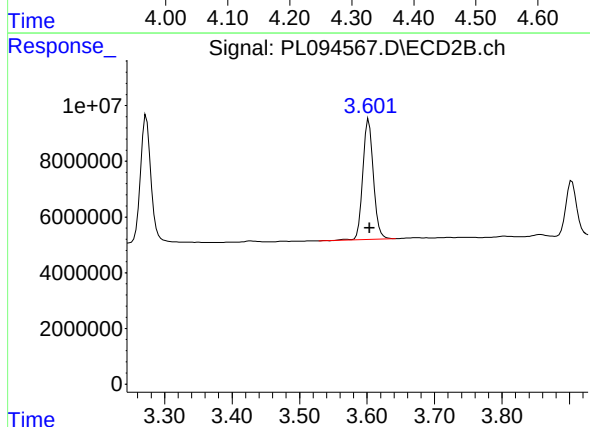
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PEM

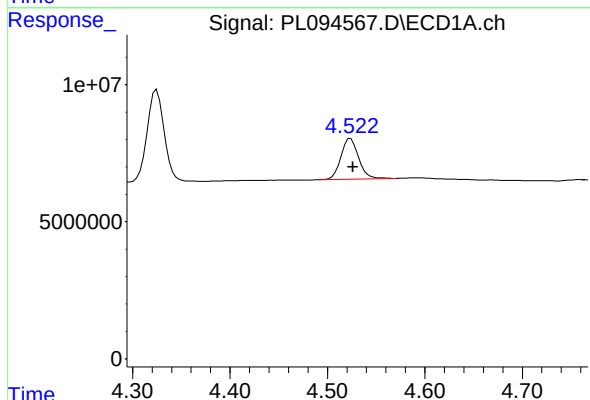
Manual Integrations
APPROVED

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



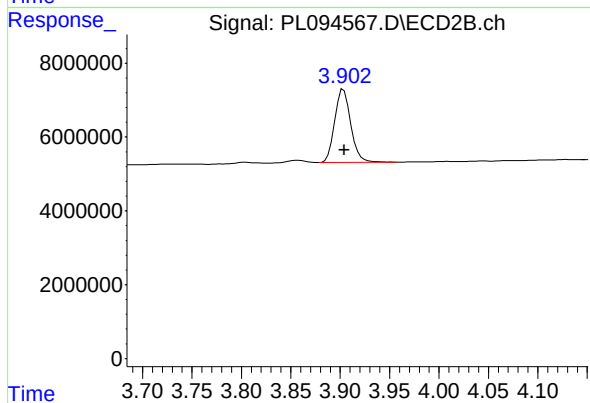
#3 gamma-BHC (Lindane)

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



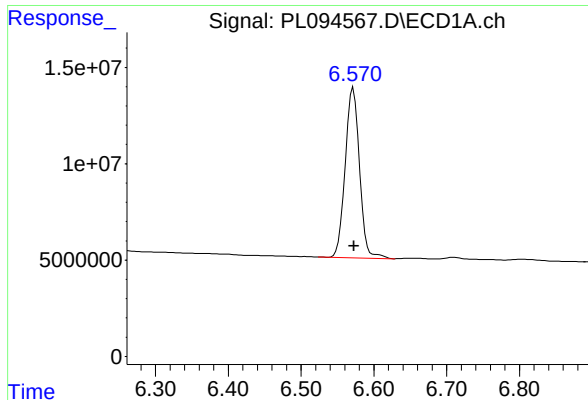
#6 beta-BHC

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



#6 beta-BHC

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



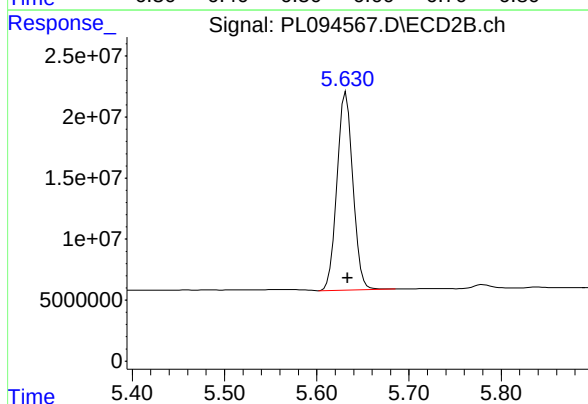
#14 Endrin

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

Instrument :
ECD_L
ClientSampleId :
PEM

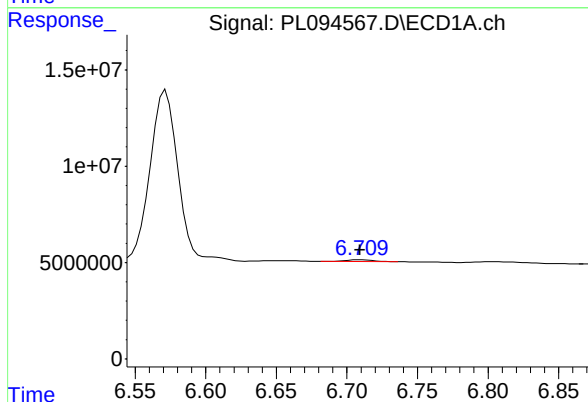
Manual Integrations
APPROVED

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



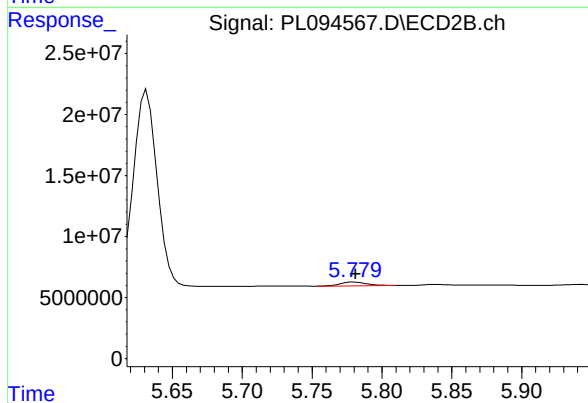
#14 Endrin

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



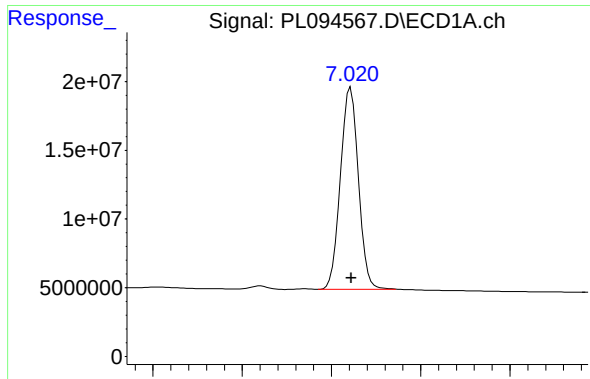
#16 4,4'-DDD

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



#16 4,4'-DDD

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



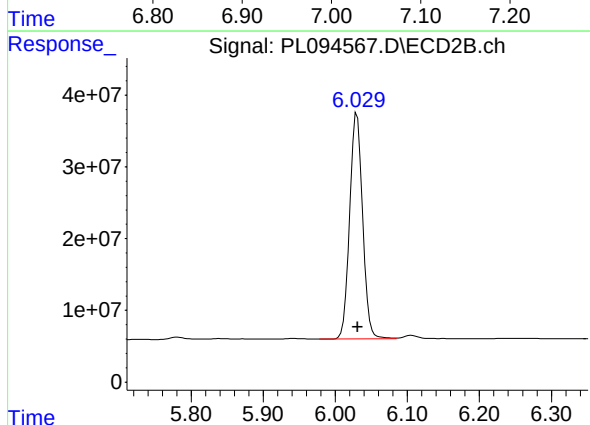
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PEM

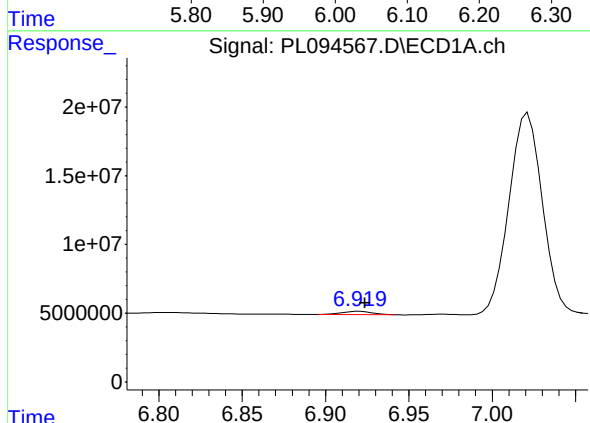
Manual Integrations
APPROVED

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



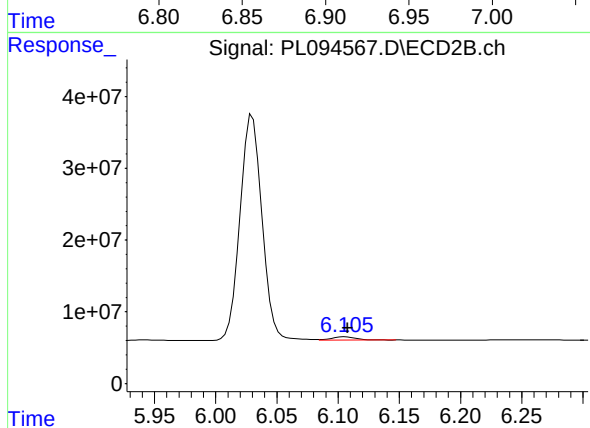
#17 4,4'-DDT

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



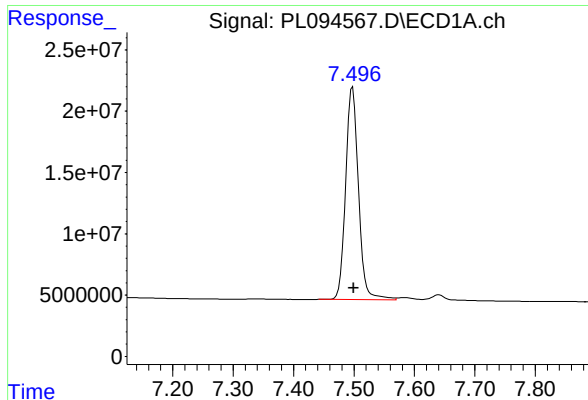
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



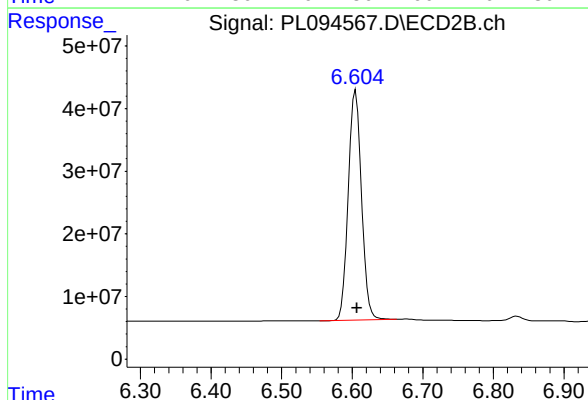
#20 Methoxychlor

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

Instrument :
ECD_L
ClientSampleId :
PEM

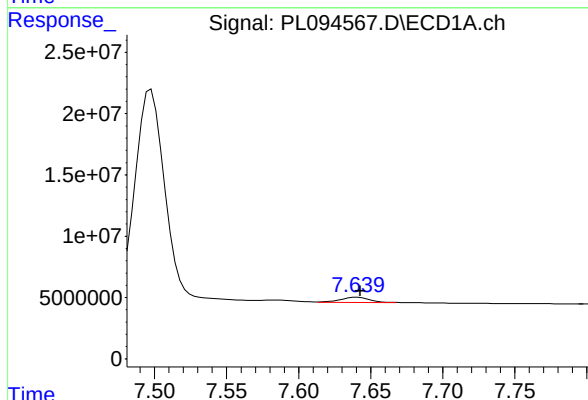
Manual Integrations
APPROVED

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



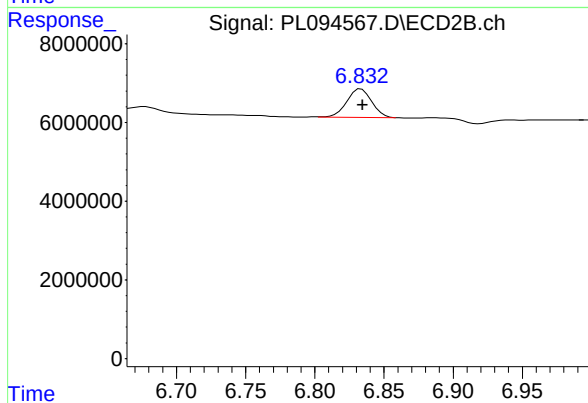
#20 Methoxychlor

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



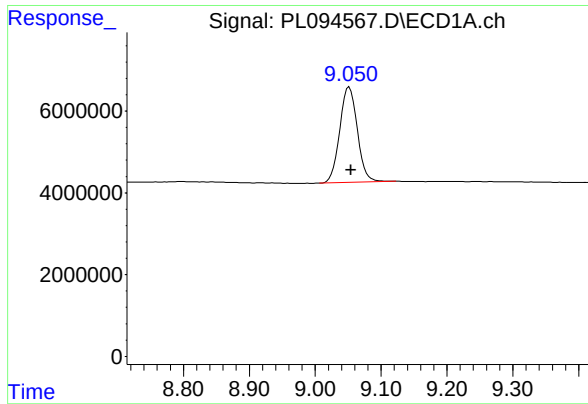
#21 Endrin ketone

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



#21 Endrin ketone

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



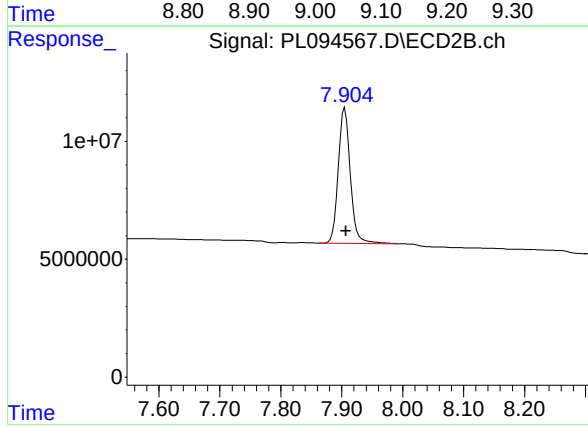
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1730** SAS No.: **Q1730** SDG NO.: **Q1730**

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

Client Sample No. (PEM): **PEM - PL095072.D** Date Analyzed: **04/07/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:41**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.051	8.950	9.150	25.470	20.000	27.4
Tetrachloro-m-xylene	3.535	3.480	3.590	22.920	20.000	14.6
alpha-BHC	3.991	3.940	4.040	11.930	10.000	19.3
beta-BHC	4.523	4.470	4.570	12.120	10.000	21.2
gamma-BHC (Lindane)	4.323	4.270	4.370	12.080	10.000	20.8
Endrin	6.571	6.500	6.640	48.570	50.000	-2.9
4,4'-DDT	7.021	6.950	7.090	106.470	100.000	6.5
Methoxychlor	7.498	7.430	7.570	255.950	250.000	2.4

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

Client Sample No. (PEM): **PEM - PL095072.D** Date Analyzed: **04/07/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:41**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.899	7.800	8.000	23.230	20.000	16.2
Tetrachloro-m-xylene	2.769	2.720	2.820	23.760	20.000	18.8
alpha-BHC	3.270	3.220	3.320	11.490	10.000	14.9
beta-BHC	3.899	3.850	3.950	12.530	10.000	25.3
gamma-BHC (Lindane)	3.599	3.550	3.650	11.470	10.000	14.7
Endrin	5.628	5.560	5.700	51.660	50.000	3.3
4,4'-DDT	6.026	5.960	6.100	114.330	100.000	14.3
Methoxychlor	6.601	6.530	6.670	267.110	250.000	6.8

Data File: PEM
Operator: PL095072.D **Date Acquired** 4/7/2025 19:41
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	134639956.4	155100563.6	20460607.2	13.19
Endrin aldehyde	6.92	6588261.73			
Endrin ketone	7.64	13872345.51			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	225431242.6	261570561.4	36139318.8	13.82
Endrin aldehyde #2	6.10	9861472.003			
Endrin ketone #2	6.83	26277846.81			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	253242786.8	268886847.3	15644060.5	5.82
4,4'-DDE	6.18	738994.359			
4,4'-DDD	6.71	14905066.14			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	460988299.7	481960689	20972389.3	4.35
4,4'-DDE #2	5.22	1101609.531			
4,4'-DDD #2	5.78	19870779.75			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095072.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/08/2025
 Supervised By : mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:22:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	64867885	84813995	22.916	23.762
28) SA Decachlor...	9.051	7.899	53677327	93842558	25.470	23.232m
Target Compounds						
2) A alpha-BHC	3.991	3.270	49537258	61933747	11.930	11.488
3) MA gamma-BHC...	4.323	3.599	48221469	58925750	12.085	11.465
6) B beta-BHC	4.523	3.899	22364009	27822376	12.120	12.525m
12) B 4,4'-DDE	6.184	5.221	738994	1101610	0.251m	0.237m
14) MA Endrin	6.571	5.628	134.6E6	225.4E6	48.570	51.661
16) A 4,4'-DDD	6.707	5.776	14905066	19870780	6.881	5.526
17) MA 4,4'-DDT	7.021	6.026	253.2E6	461.0E6	106.470	114.329
18) B Endrin al...	6.920	6.102	6588262	9861472	3.121	2.930
20) A Methoxychlor	7.498	6.601	306.4E6	566.6E6	255.947	267.114
21) B Endrin ke...	7.641	6.828	13872346	26277847	5.248	5.506m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

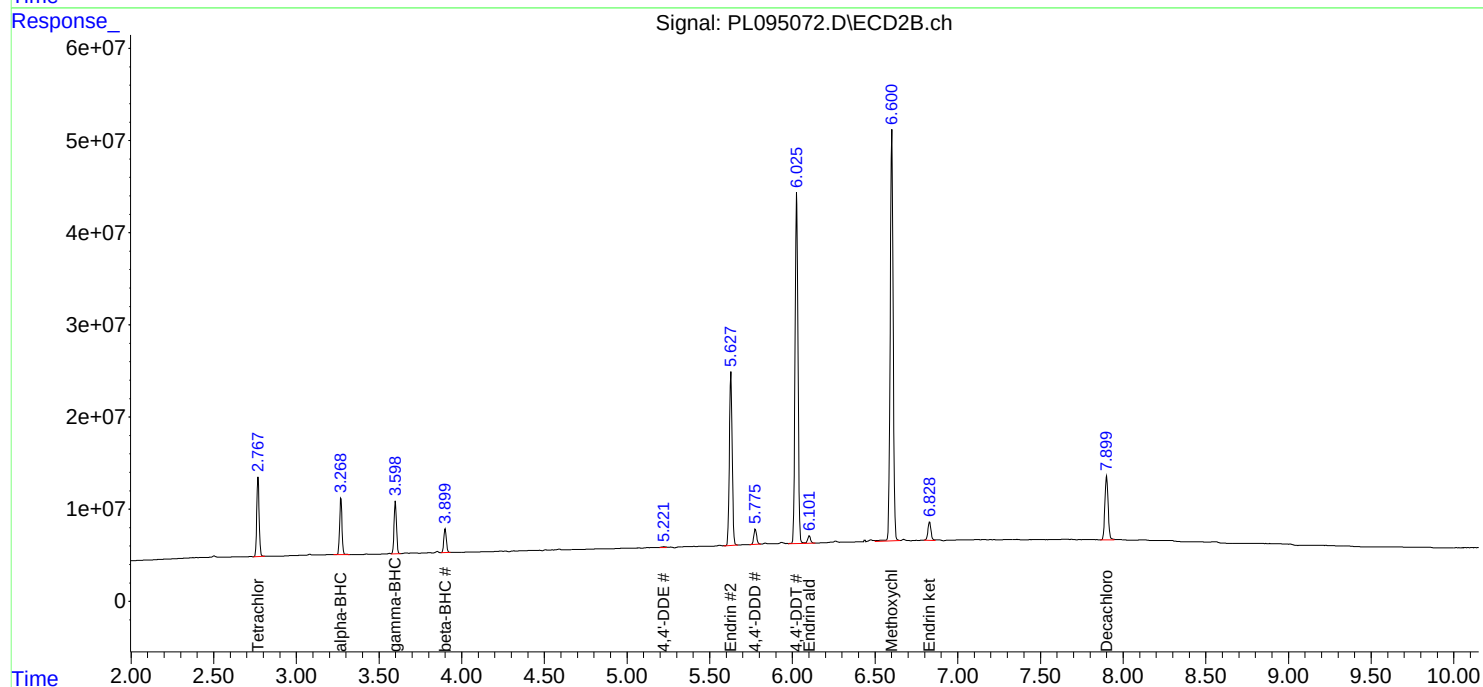
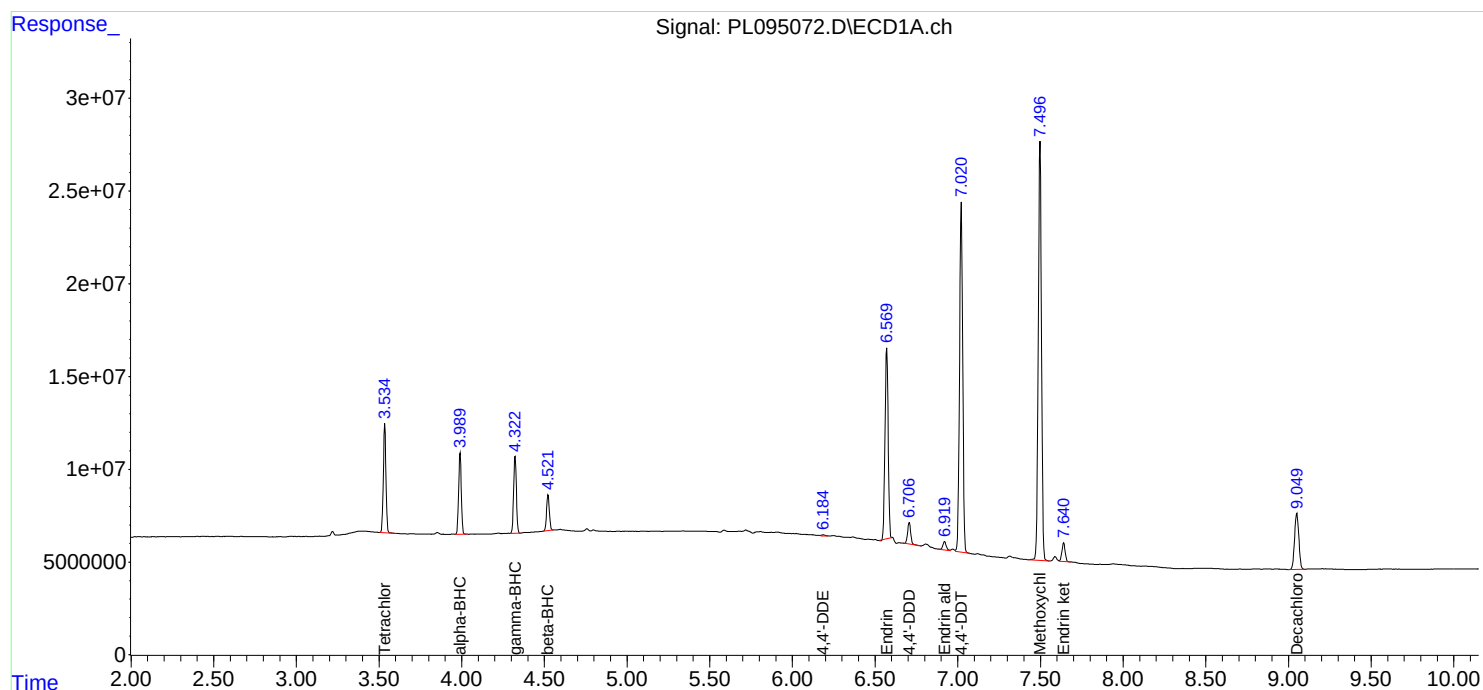
Instrument :
ECD_L
ClientSampleId :
PEM

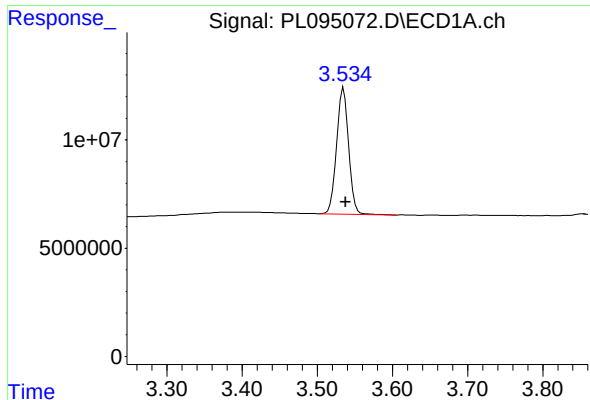
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





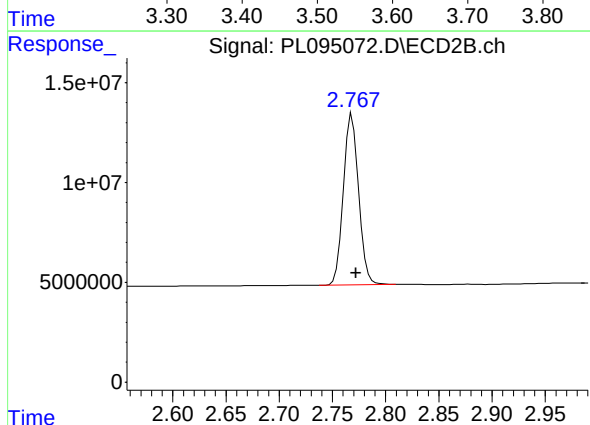
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 64867885
Conc: 22.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

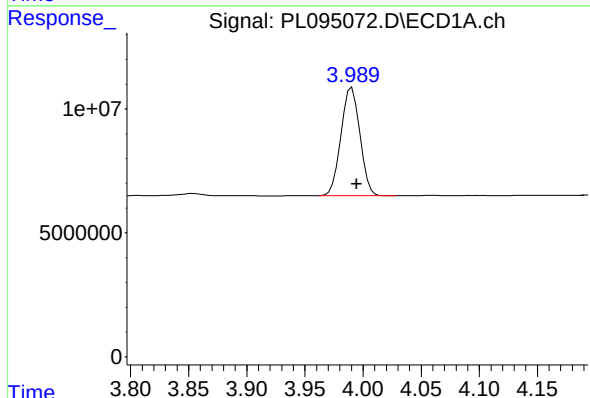
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



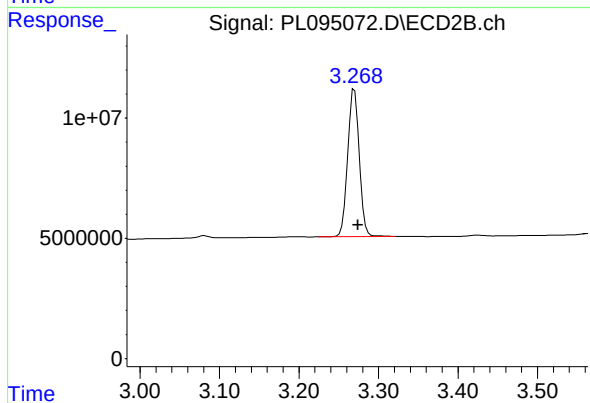
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 84813995
Conc: 23.76 ng/ml



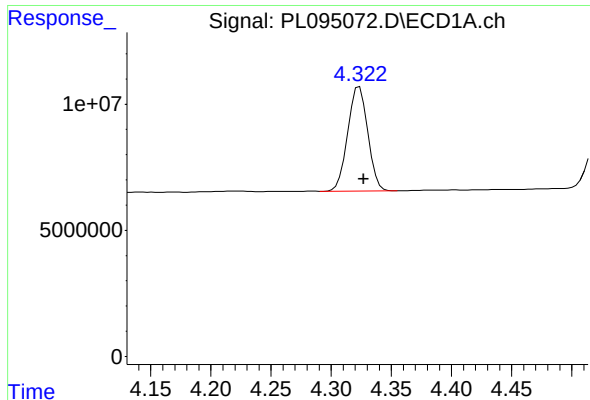
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.004 min
Response: 49537258
Conc: 11.93 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 61933747
Conc: 11.49 ng/ml



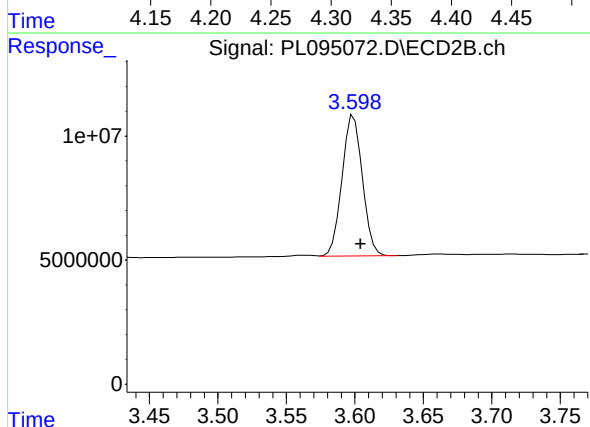
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 48221469
Conc: 12.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

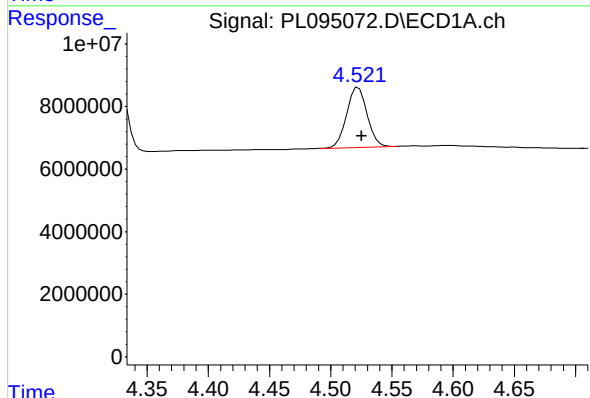
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



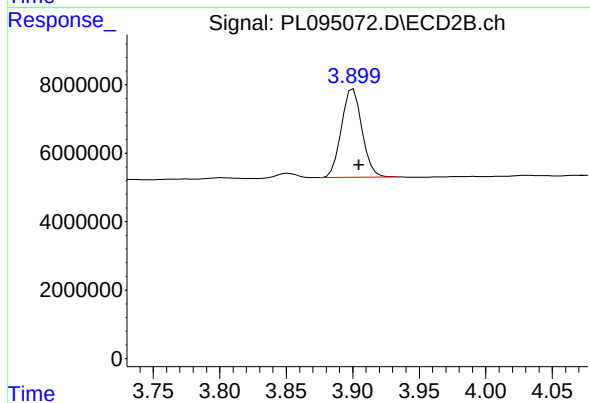
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 58925750
Conc: 11.47 ng/ml



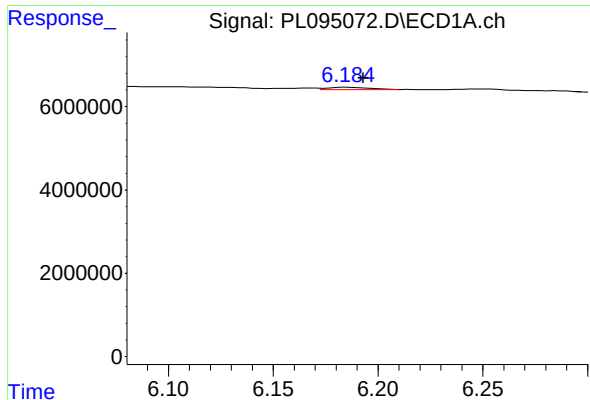
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 22364009
Conc: 12.12 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.006 min
Response: 27822376
Conc: 12.53 ng/ml m



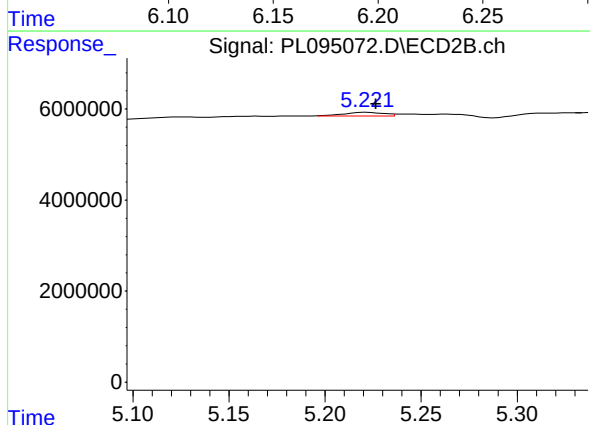
#12 4,4'-DDE

R.T.: 6.184 min
Delta R.T.: -0.009 min
Response: 738994
Conc: 0.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

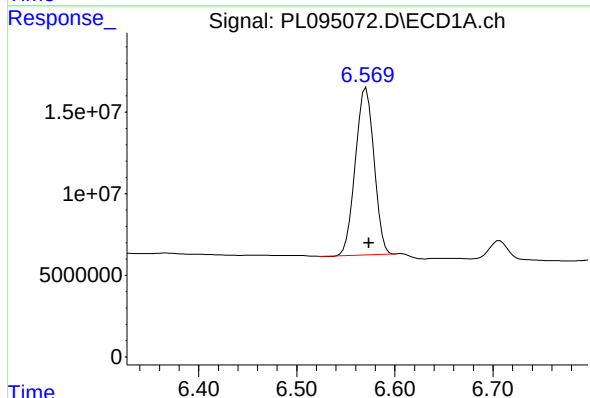
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



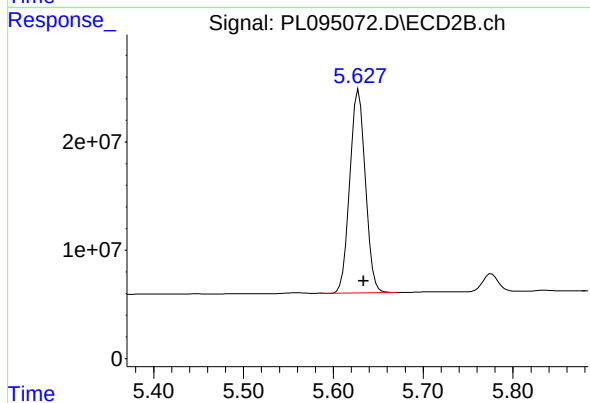
#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 1101610
Conc: 0.24 ng/ml



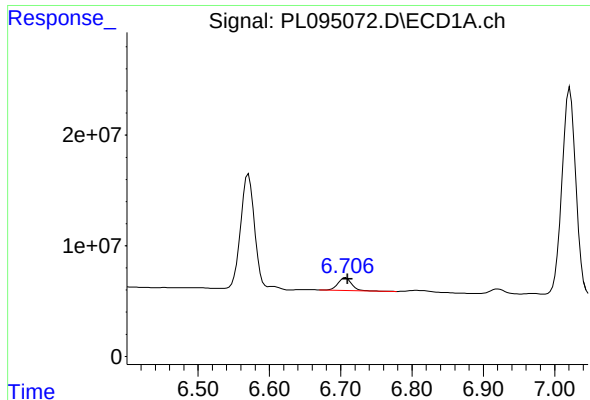
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 134639956
Conc: 48.57 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 225431243
Conc: 51.66 ng/ml



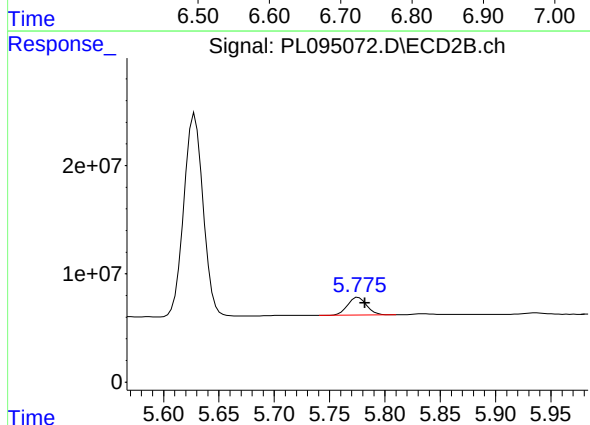
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 14905066
Conc: 6.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

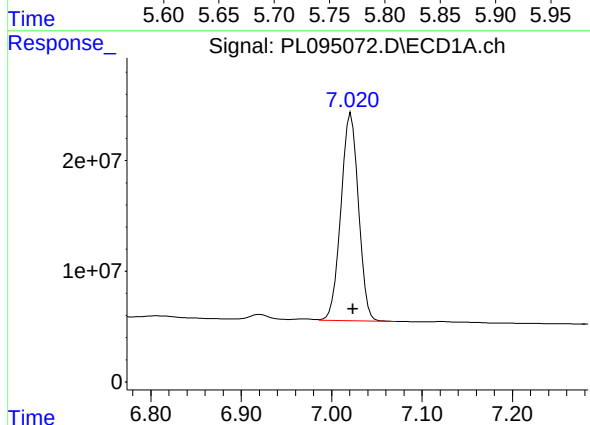
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



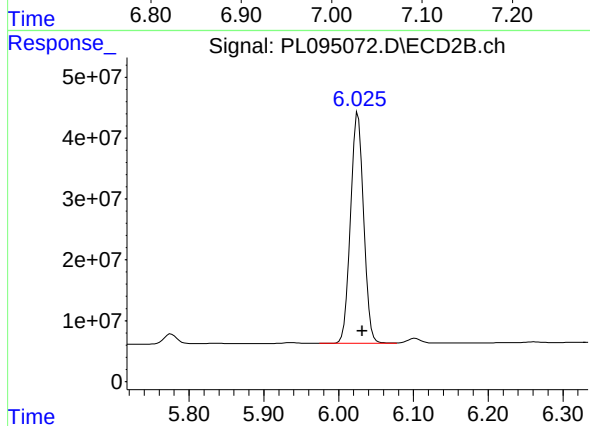
#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 19870780
Conc: 5.53 ng/ml



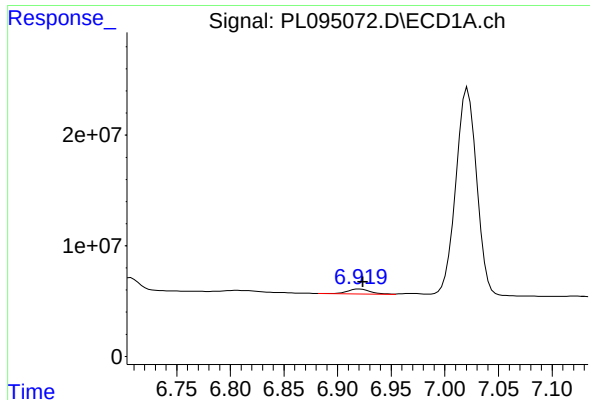
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 253242787
Conc: 106.47 ng/ml



#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 460988300
Conc: 114.33 ng/ml



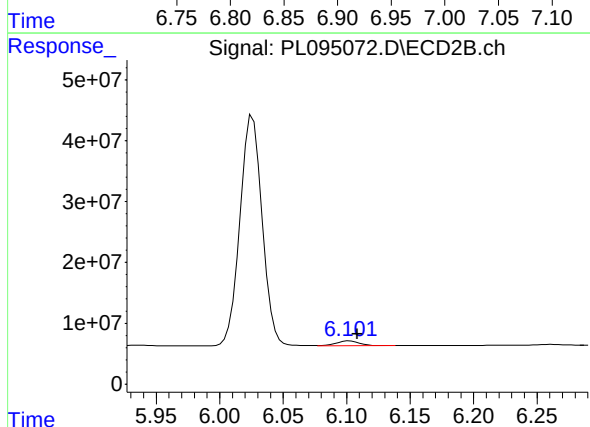
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 6588262
Conc: 3.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

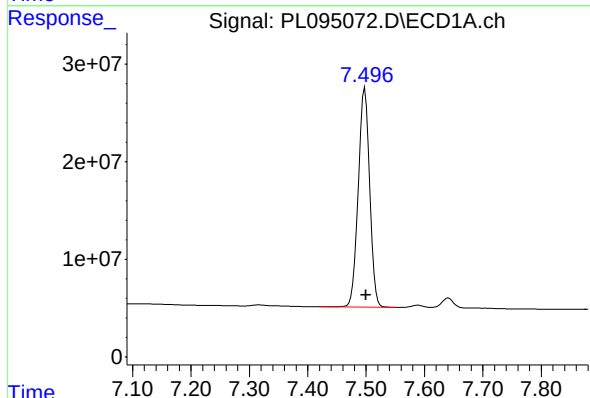
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



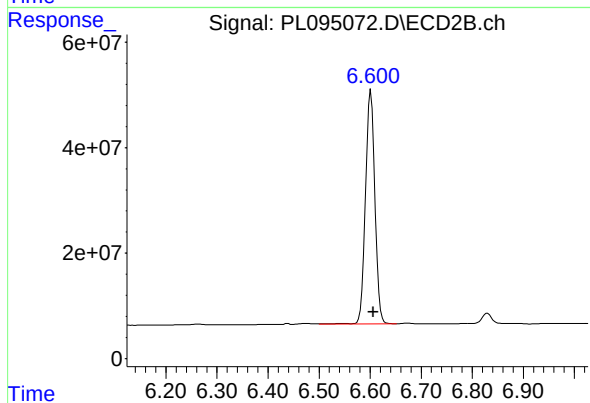
#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 9861472
Conc: 2.93 ng/ml



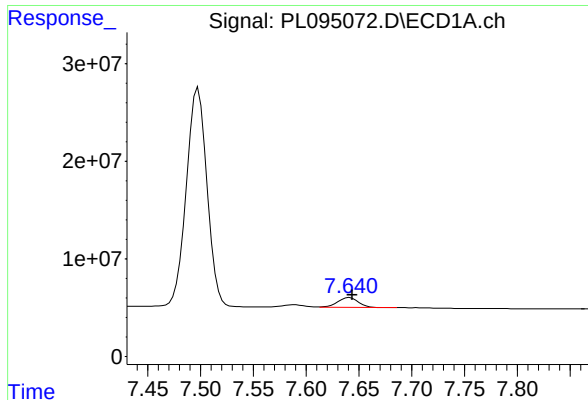
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 306387328
Conc: 255.95 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.005 min
Response: 566567038
Conc: 267.11 ng/ml



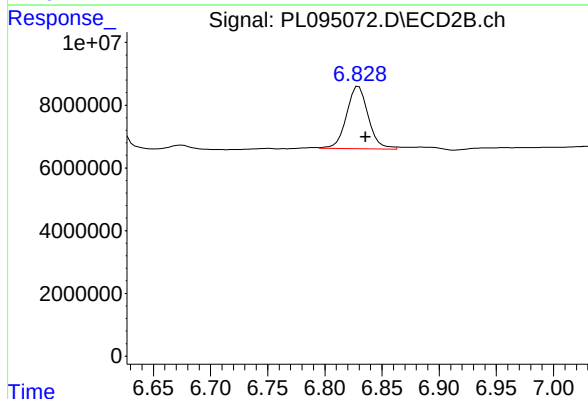
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 13872346
Conc: 5.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

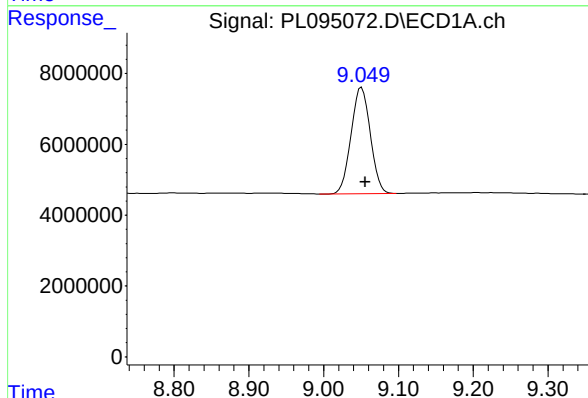
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



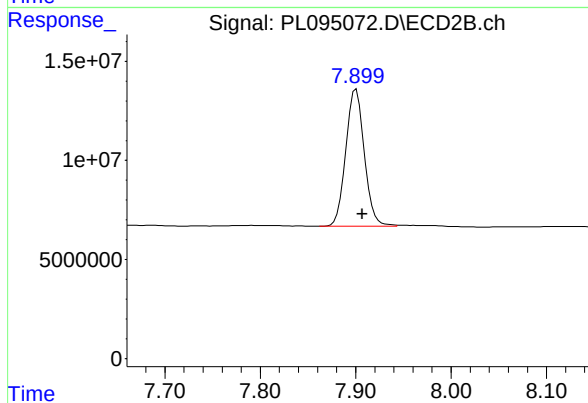
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 26277847
Conc: 5.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 53677327
Conc: 25.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 93842558
Conc: 23.23 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1730** SAS No.: **Q1730** SDG NO.: **Q1730**

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

Client Sample No. (PEM): **PEM - PL095096.D** Date Analyzed: **04/08/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:48**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.050	8.950	9.150	24.640	20.000	23.2
Tetrachloro-m-xylene	3.535	3.480	3.590	21.610	20.000	8.1
alpha-BHC	3.990	3.940	4.040	11.380	10.000	13.8
beta-BHC	4.522	4.470	4.570	11.290	10.000	12.9
gamma-BHC (Lindane)	4.323	4.270	4.370	11.440	10.000	14.4
Endrin	6.569	6.500	6.640	50.460	50.000	0.9
4,4'-DDT	7.021	6.950	7.090	110.700	100.000	10.7
Methoxychlor	7.497	7.430	7.570	271.160	250.000	8.5

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

Client Sample No. (PEM): **PEM - PL095096.D** Date Analyzed: **04/08/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:48**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.901	7.800	8.000	22.210	20.000	11.1
Tetrachloro-m-xylene	2.768	2.720	2.820	22.510	20.000	12.6
alpha-BHC	3.270	3.220	3.320	10.900	10.000	9.0
beta-BHC	3.900	3.850	3.950	11.990	10.000	19.9
gamma-BHC (Lindane)	3.599	3.550	3.650	10.650	10.000	6.5
Endrin	5.628	5.560	5.700	53.390	50.000	6.8
4,4'-DDT	6.026	5.960	6.100	119.810	100.000	19.8
Methoxychlor	6.599	6.530	6.670	277.150	250.000	10.9

Data File: PEM
 PL095096.D **Date Acquired** 4/8/2025 9:48
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	139889161.7	150395373	10506211.4	6.99
Endrin aldehyde	6.92	3595731.434			
Endrin ketone	7.64	6910479.923			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	232969735	250463022.4	17493287.4	6.98
Endrin aldehyde #2	6.10	6513418.953			
Endrin ketone #2	6.83	10979868.46			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	263295012.3	264033824.4	738812.101	0.28
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	738812.101			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	483076959	484566172.4	1489213.34	0.31
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	1489213.338			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095096.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 09:48
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/09/2025
 Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:39:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	61158109	80344478	21.606	22.510
2) SA Decachlor...	9.050	7.901	51933326	89732265	24.643	22.214
Target Compounds						
2) A alpha-BHC	3.990	3.270	47274027	58754840	11.385	10.898
3) MA gamma-BHC...	4.323	3.599	45647300	54735079	11.440	10.650
6) B beta-BHC	4.522	3.900	20838482	26629144	11.293	11.988
14) MA Endrin	6.569	5.628	139.9E6	233.0E6	50.464m	53.389
16) A 4,4'-DDD	6.704	5.777	738812	1489213	0.341m	0.414m
17) MA 4,4'-DDT	7.021	6.026	263.3E6	483.1E6	110.696	119.808
18) B Endrin al...	6.918	6.102	3595731	6513419	1.703m	1.935
20) A Methoxychlor	7.497	6.599	324.6E6	587.9E6	271.164	277.155m
21) B Endrin ke...	7.639	6.829	6910480	10979868	2.614	2.301m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

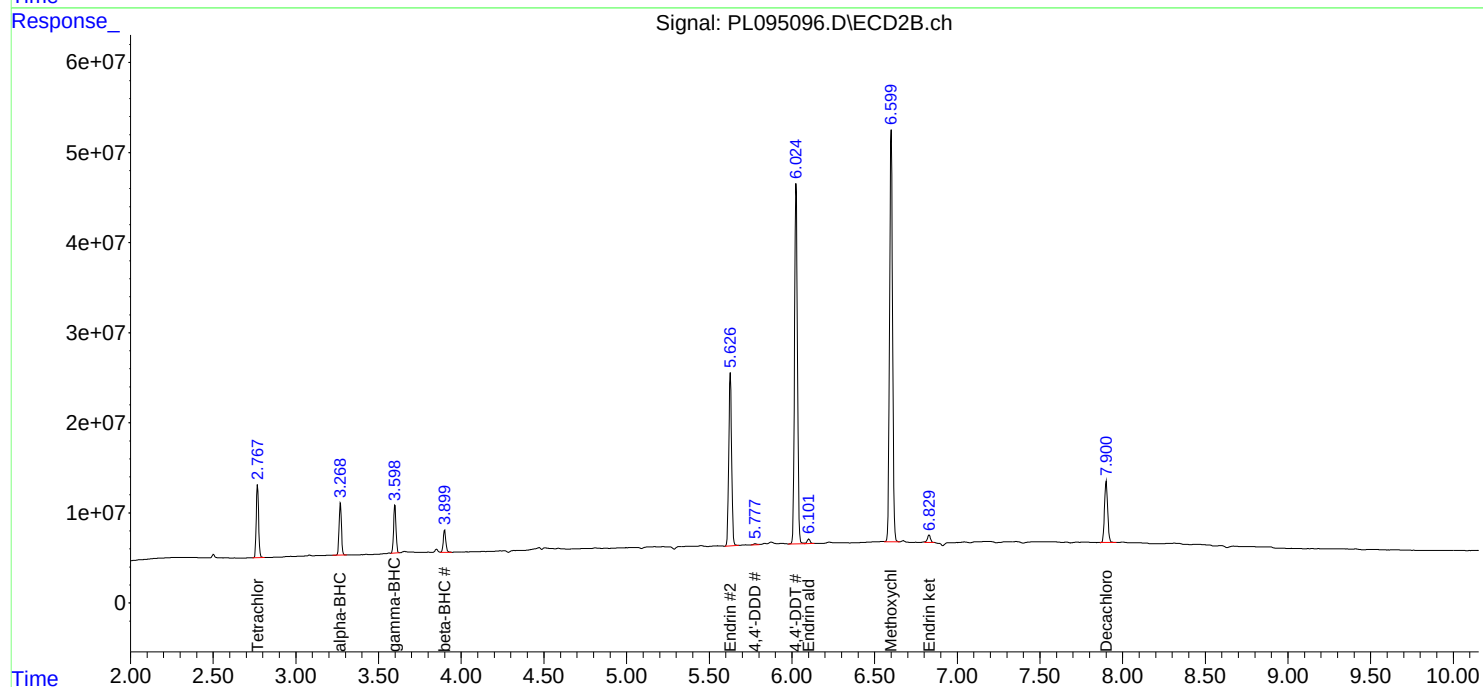
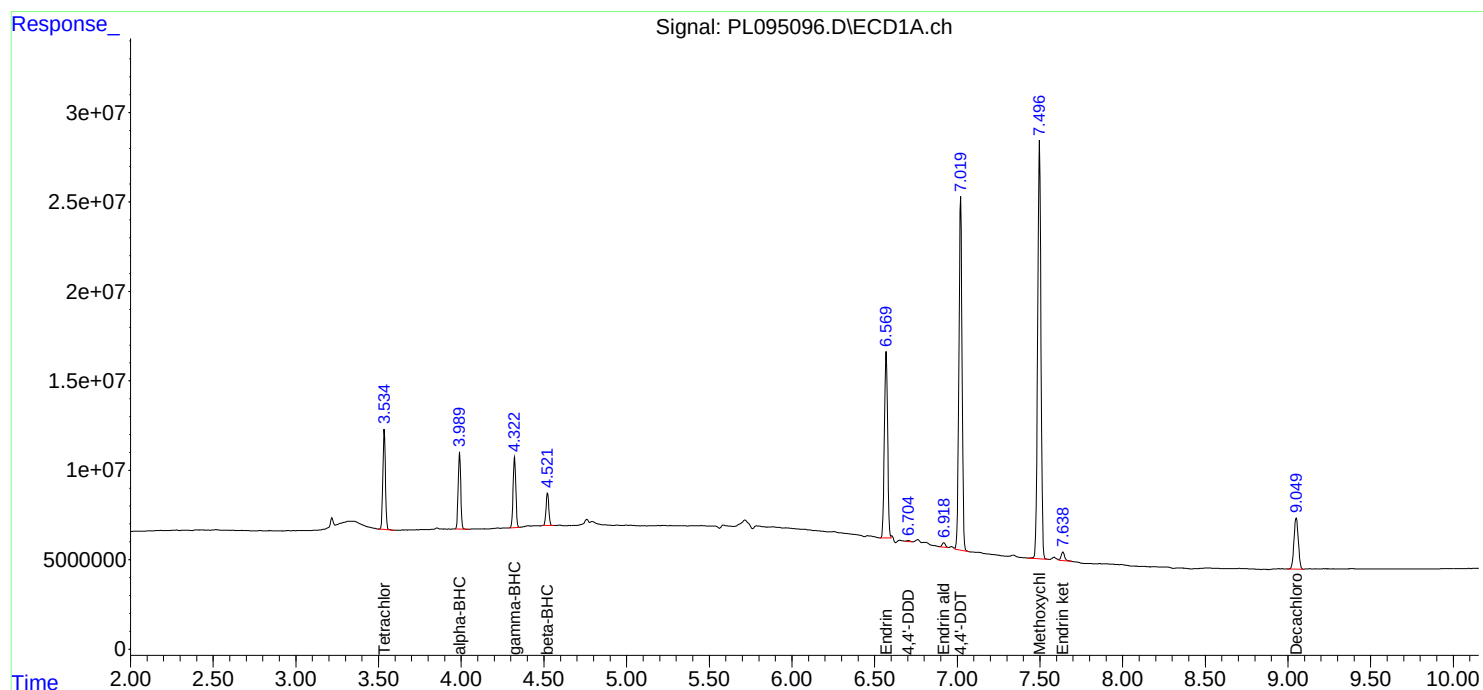
Instrument :
ECD_L
ClientSampleId :
PEM

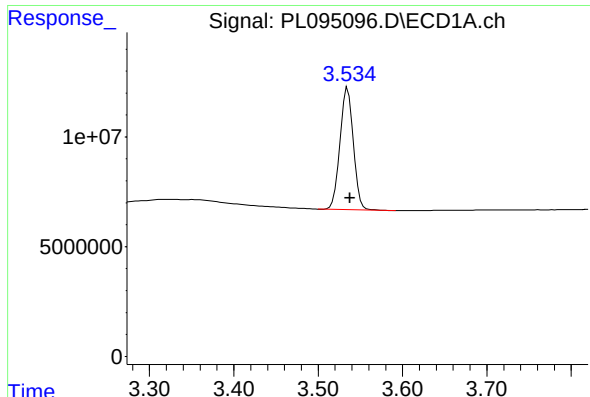
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/09/2025
Supervised By : mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





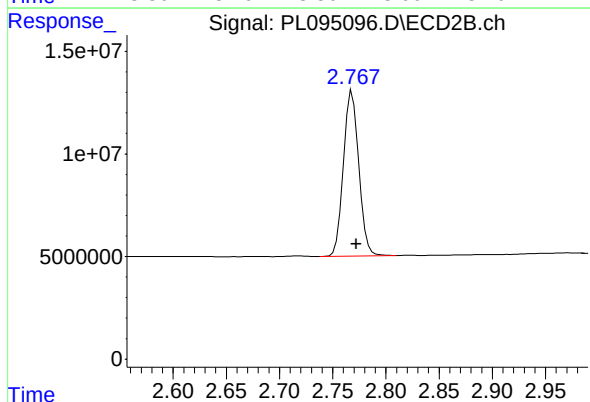
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 61158109
Conc: 21.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

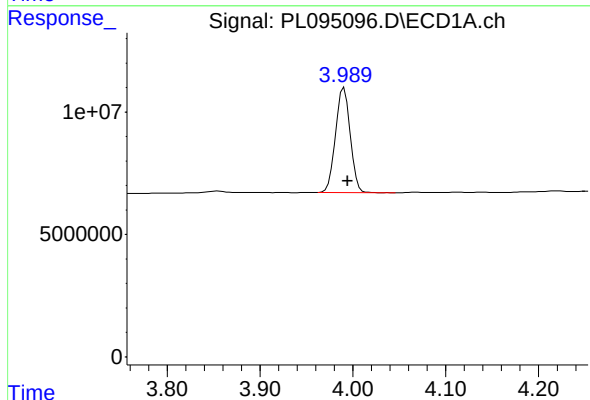
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



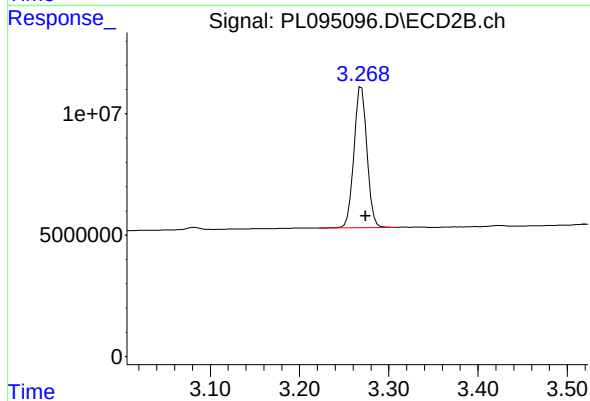
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 80344478
Conc: 22.51 ng/ml



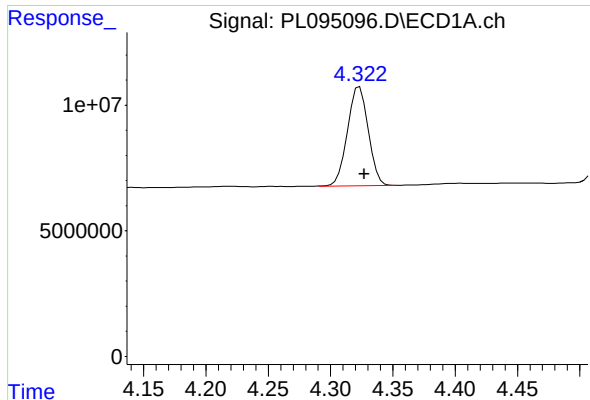
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 47274027
Conc: 11.38 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 58754840
Conc: 10.90 ng/ml



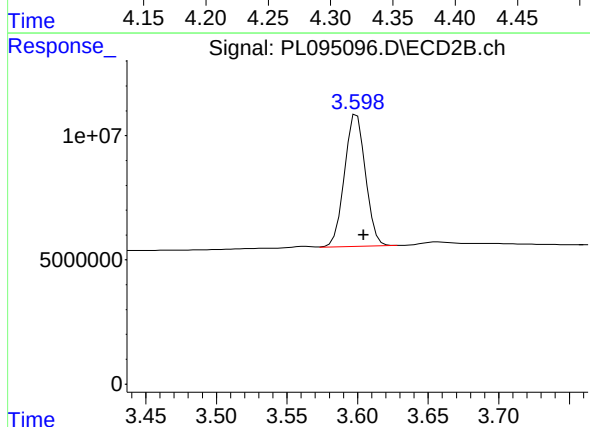
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 45647300
Conc: 11.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

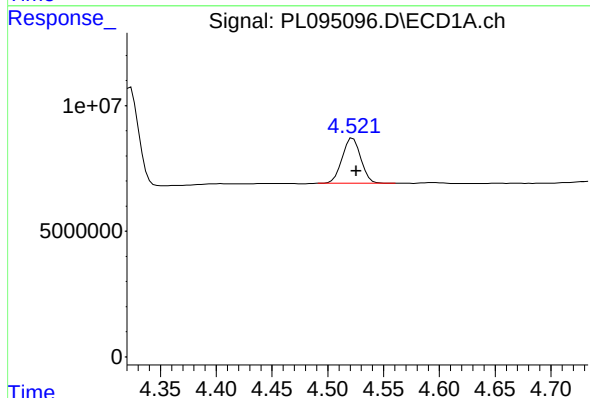
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



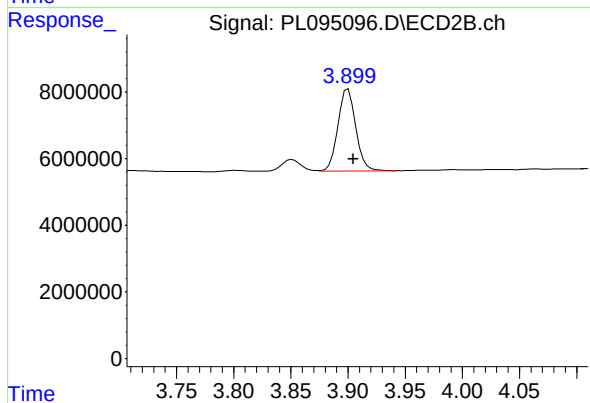
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 54735079
Conc: 10.65 ng/ml



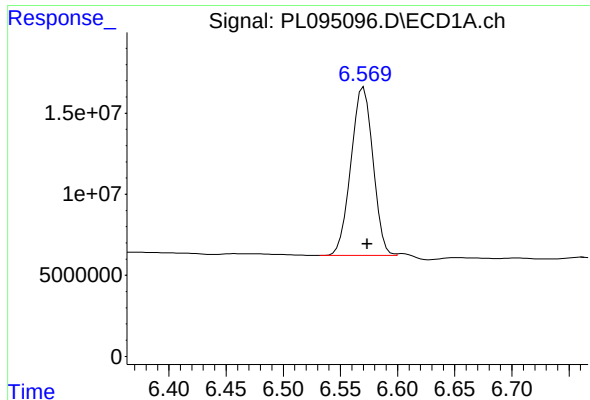
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 20838482
Conc: 11.29 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 26629144
Conc: 11.99 ng/ml



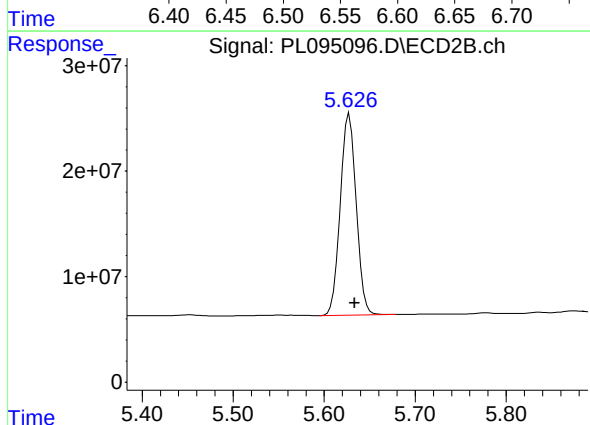
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 139889162
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

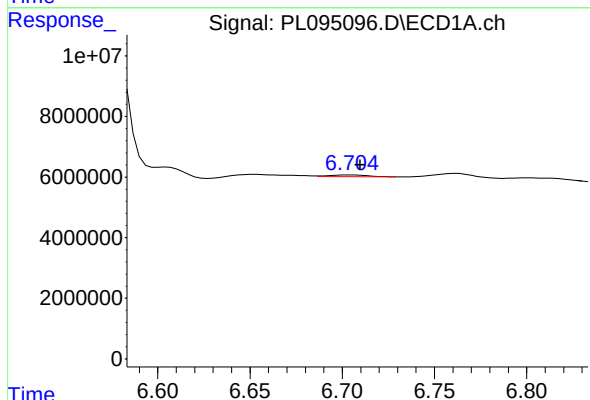
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



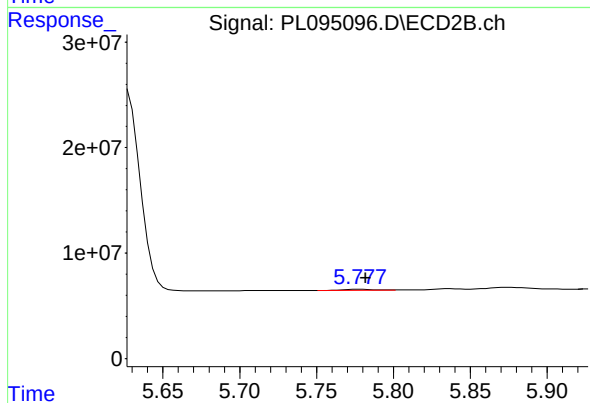
#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 232969735
Conc: 53.39 ng/ml



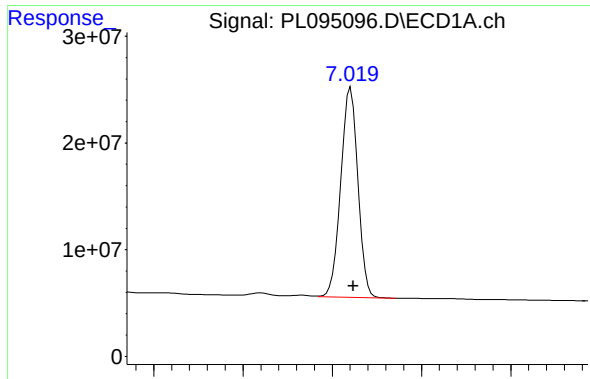
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.006 min
Response: 738812
Conc: 0.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 1489213
Conc: 0.41 ng/ml m



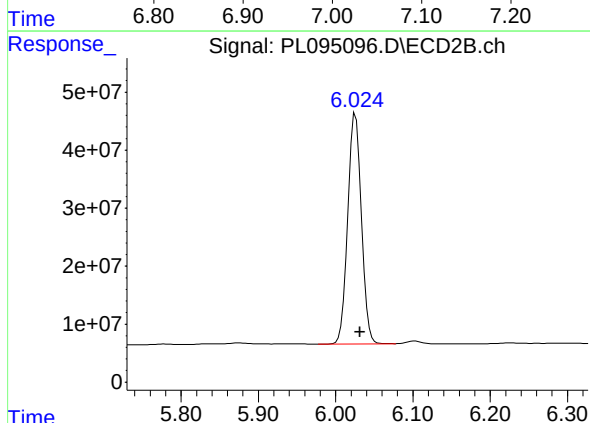
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 263295012
Conc: 110.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

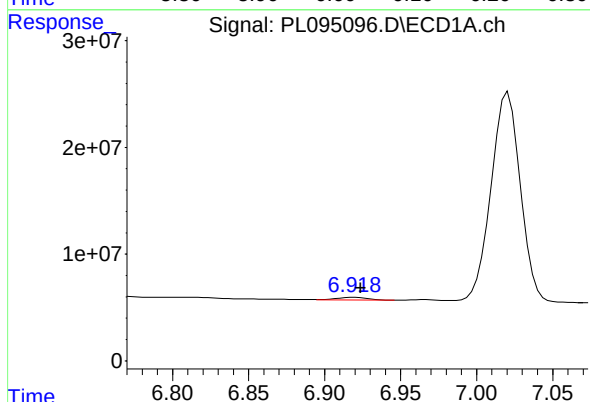
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



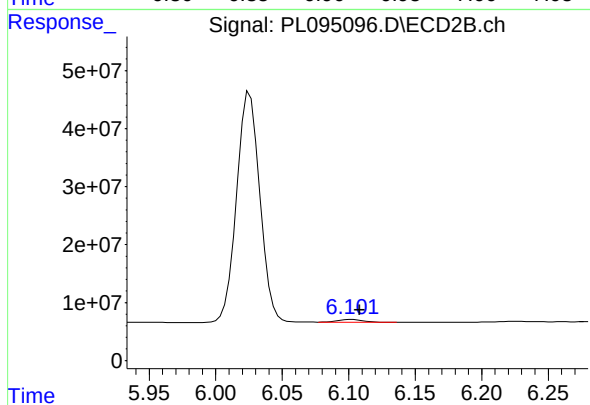
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 483076959
Conc: 119.81 ng/ml



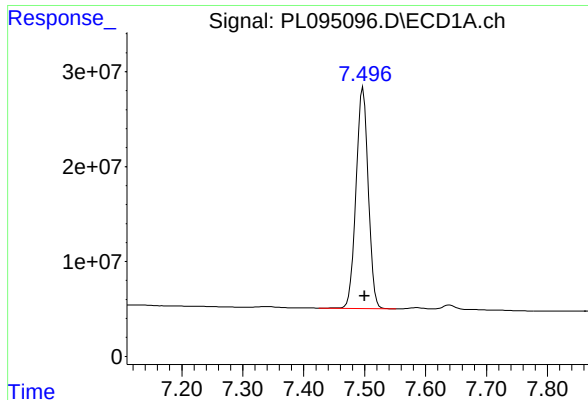
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: -0.006 min
Response: 3595731
Conc: 1.70 ng/ml m



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 6513419
Conc: 1.94 ng/ml



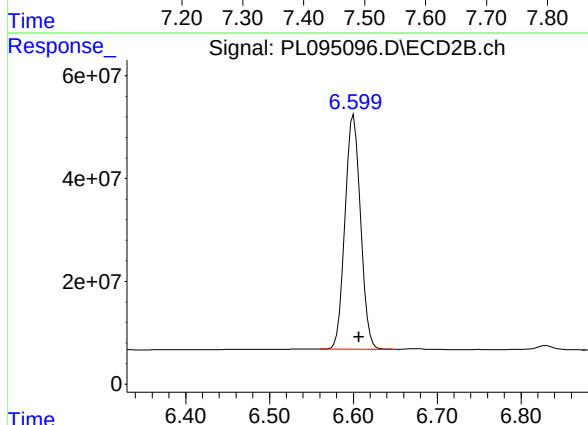
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 324603408
Conc: 271.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

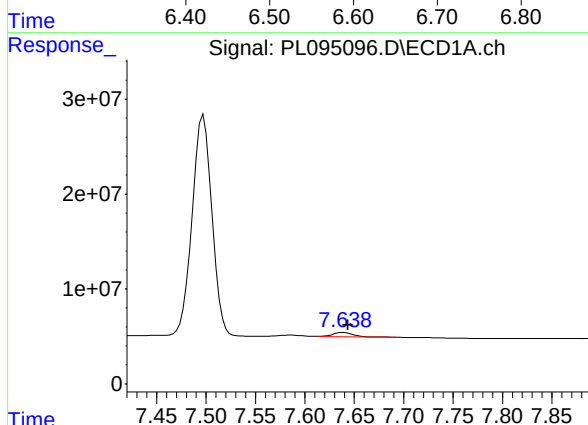
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



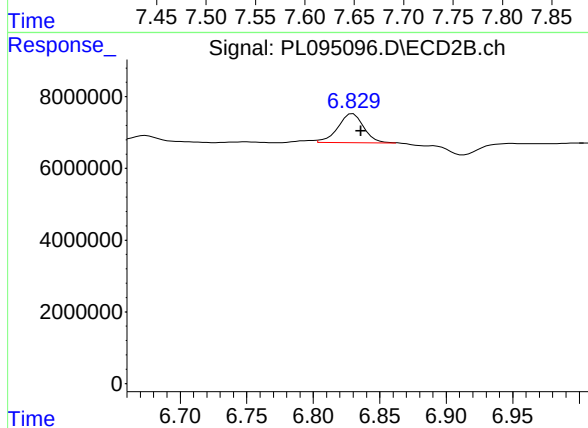
#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 587863891
Conc: 277.15 ng/ml



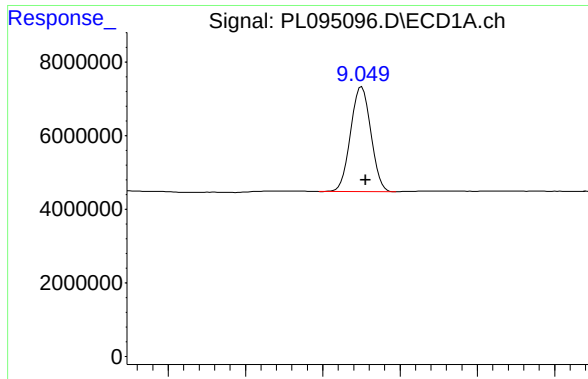
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 6910480
Conc: 2.61 ng/ml



#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 10979868
Conc: 2.30 ng/ml



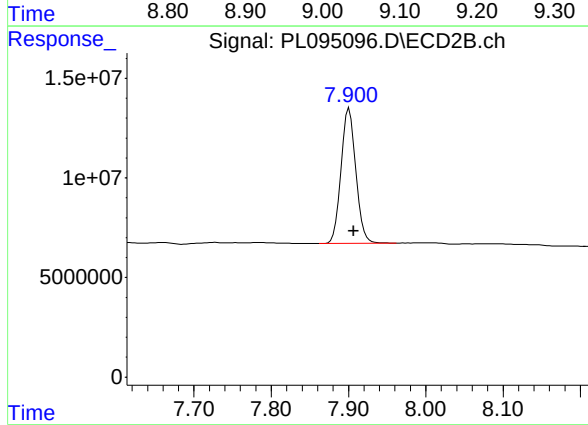
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 51933326
Conc: 24.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 89732265
Conc: 22.21 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q1730** SAS No.: **Q1730** SDG NO.: **Q1730**

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

Client Sample No. (PEM): **PEM - PL095128.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:43**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.049	8.950	9.150	26.150	20.000	30.8
Tetrachloro-m-xylene	3.536	3.490	3.590	23.490	20.000	17.5
alpha-BHC	3.992	3.940	4.040	12.010	10.000	20.1
beta-BHC	4.523	4.470	4.570	12.040	10.000	20.4
gamma-BHC (Lindane)	4.324	4.270	4.370	12.060	10.000	20.6
Endrin	6.569	6.500	6.640	50.710	50.000	1.4
4,4'-DDT	7.020	6.950	7.090	112.470	100.000	12.5
Methoxychlor	7.497	7.430	7.570	271.750	250.000	8.7

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

Client Sample No. (PEM): **PEM - PL095128.D** Date Analyzed: **04/09/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:43**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.900	7.800	8.000	24.640	20.000	23.2
Tetrachloro-m-xylene	2.770	2.720	2.820	24.610	20.000	23.1
alpha-BHC	3.271	3.220	3.320	11.740	10.000	17.4
beta-BHC	3.901	3.850	3.950	13.350	10.000	33.5
gamma-BHC (Lindane)	3.600	3.550	3.650	11.860	10.000	18.6
Endrin	5.627	5.560	5.700	56.090	50.000	12.2
4,4'-DDT	6.026	5.960	6.100	122.140	100.000	22.1
Methoxychlor	6.599	6.530	6.670	276.490	250.000	10.6

Data File: PEM
Operator: PL095128.D **Date Acquired** 4/9/2025 8:43
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	140574644.9	153996895.7	13422250.8	8.72
Endrin aldehyde	6.92	4282681.057			
Endrin ketone	7.64	9139569.788			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	244750441.1	268411449	23661007.9	8.82
Endrin aldehyde #2	6.10	7686415.433			
Endrin ketone #2	6.83	15974592.51			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	267505288.8	273747113.8	6241824.95	2.28
4,4'-DDE	6.19	647348.476			
4,4'-DDD	6.70	5594476.479			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	492499876.3	499594931.4	7095055.03	1.42
4,4'-DDE #2	5.22	488039.879			
4,4'-DDD #2	5.78	6607015.155			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 08:43
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/10/2025
 Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.770	66485454	87840568	23.488	24.610
2) SA Decachlor...	9.049	7.900	55100680	99520683	26.146	24.638
Target Compounds						
2) A alpha-BHC	3.992	3.271	49863923	63272488	12.009	11.736
3) MA gamma-BHC...	4.324	3.600	48112751	60954572	12.058	11.860
6) B beta-BHC	4.523	3.901	22215731	29643720	12.040	13.345
12) B 4,4'-DDE	6.187	5.219	647348	488040	0.220m	0.105m#
14) MA Endrin	6.569	5.627	140.6E6	244.8E6	50.711m	56.088m
16) A 4,4'-DDD	6.704	5.776	5594476	6607015	2.583m	1.837 #
17) MA 4,4'-DDT	7.020	6.026	267.5E6	492.5E6	112.466	122.145
18) B Endrin al...	6.918	6.102	4282681	7686415	2.029m	2.284
20) A Methoxychlor	7.497	6.599	325.3E6	586.5E6	271.750	276.493m
21) B Endrin ke...	7.639	6.828	9139570	15974593	3.458	3.347m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

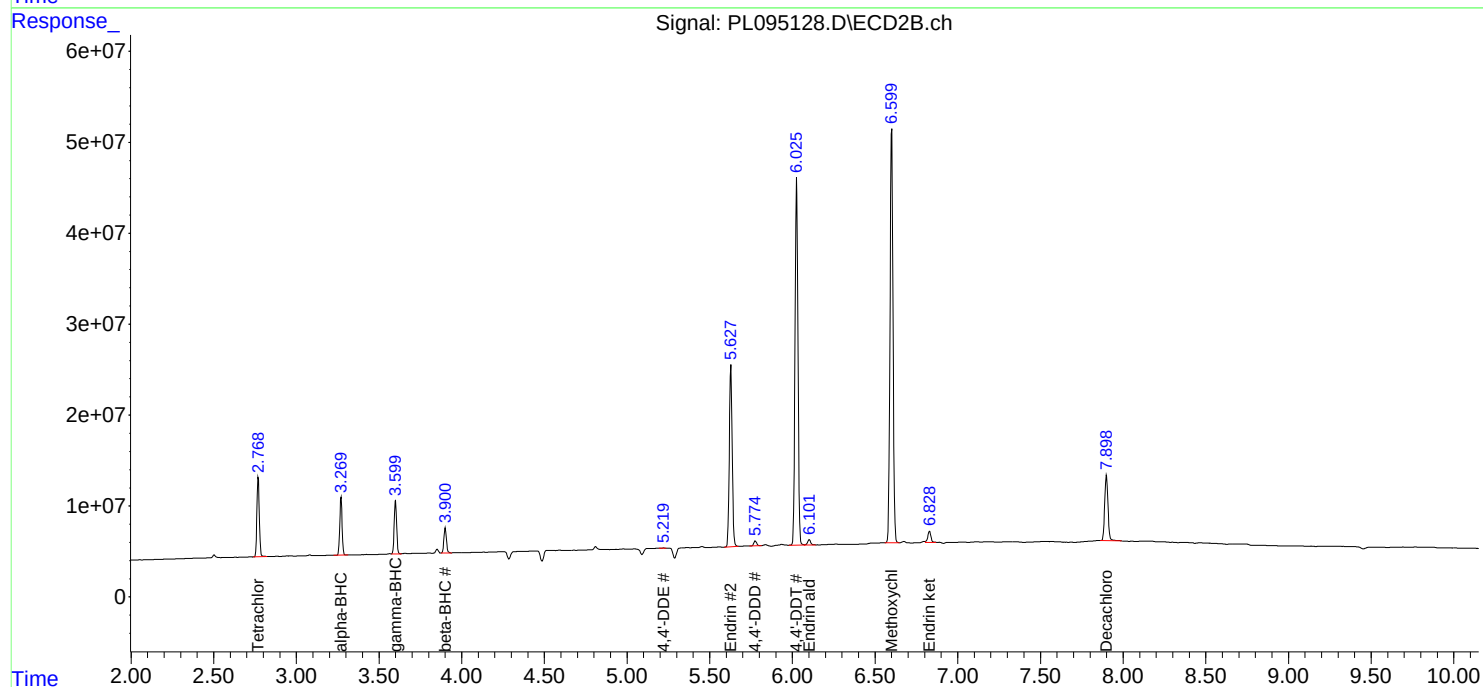
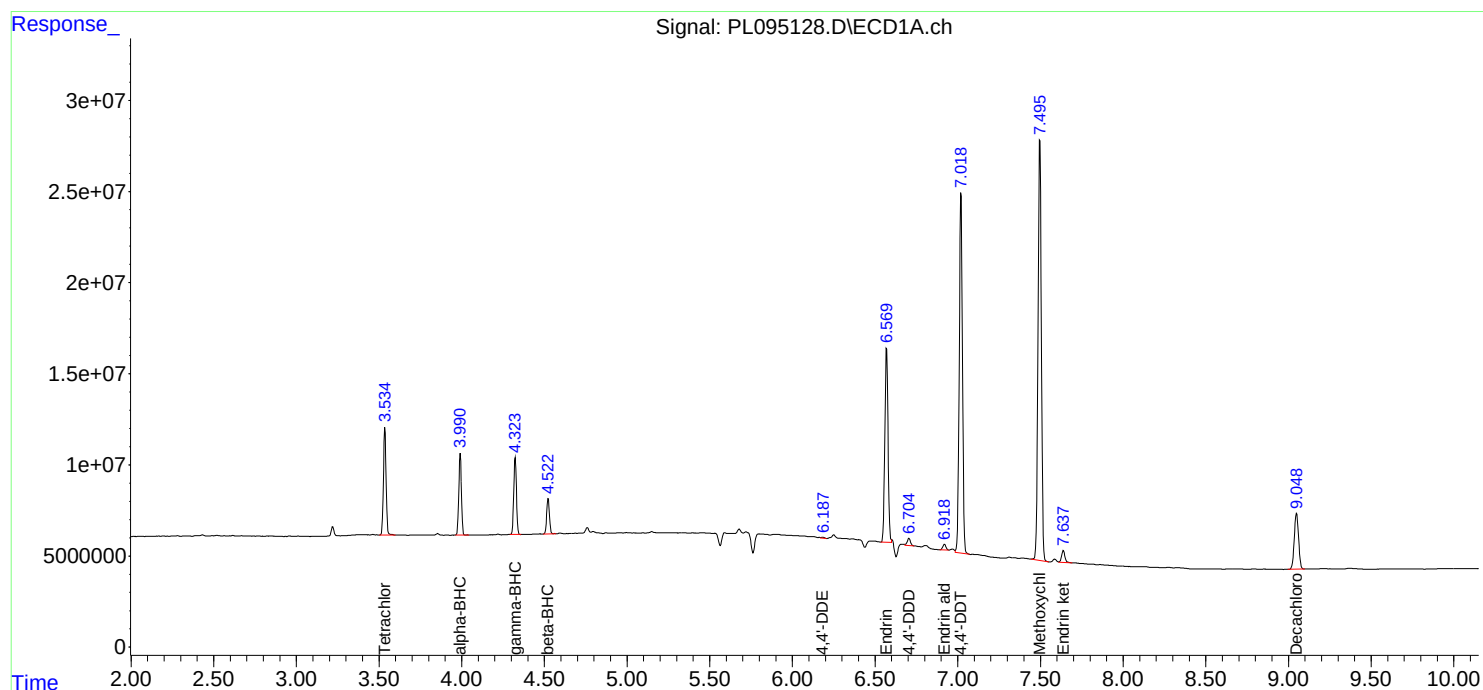
Instrument :
ECD_L
ClientSampleId :
PEM

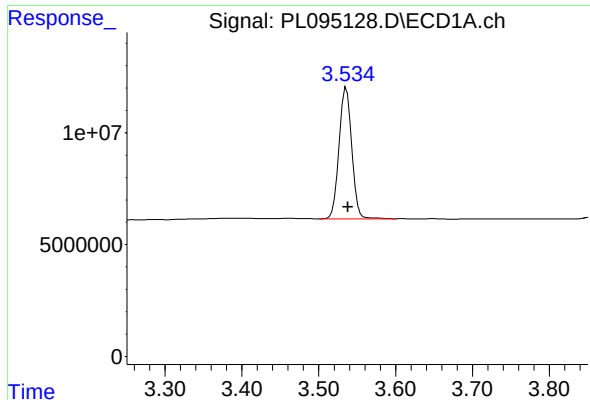
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/10/2025
Supervised By : mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





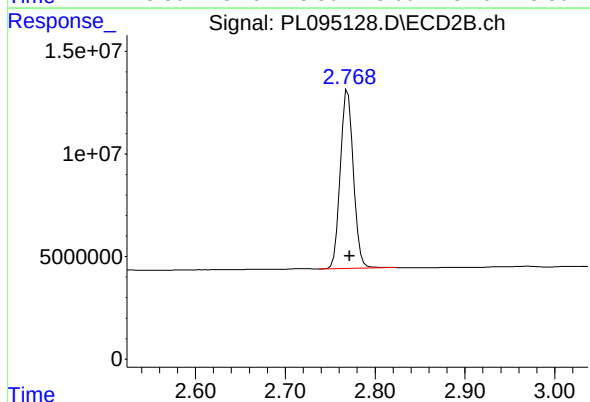
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 66485454
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

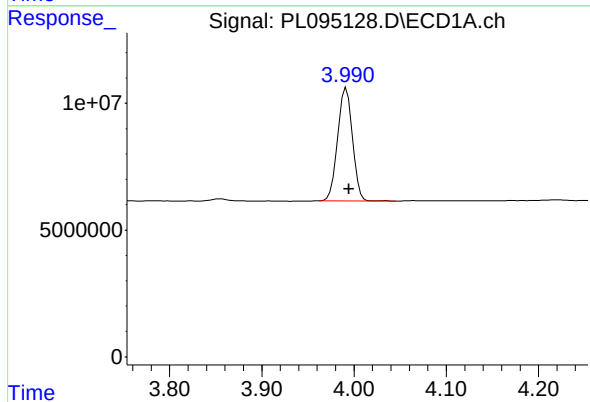
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



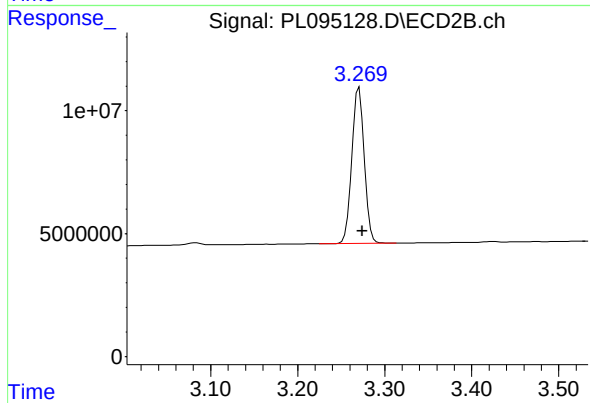
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 87840568
Conc: 24.61 ng/ml



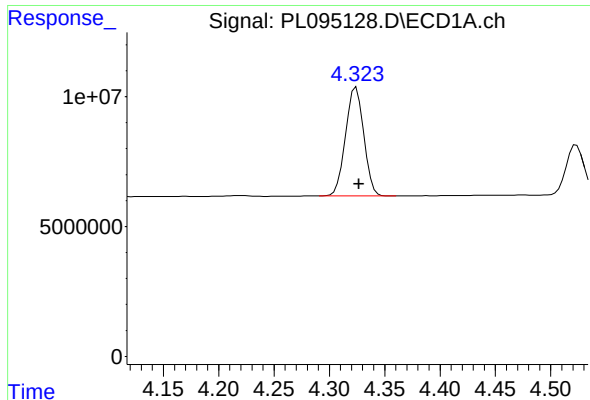
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 49863923
Conc: 12.01 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 63272488
Conc: 11.74 ng/ml



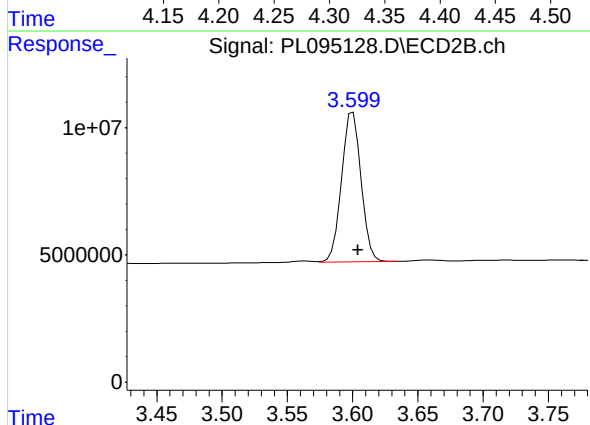
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 48112751
Conc: 12.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

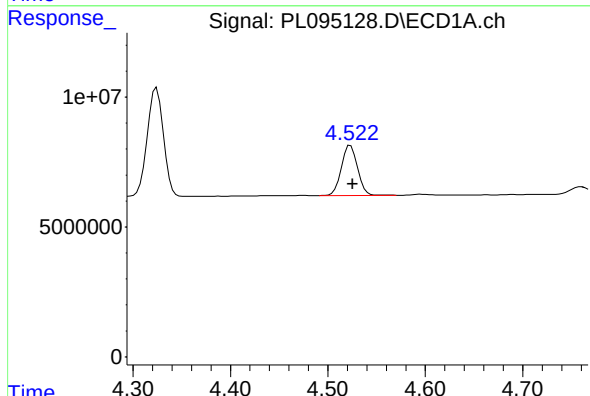
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



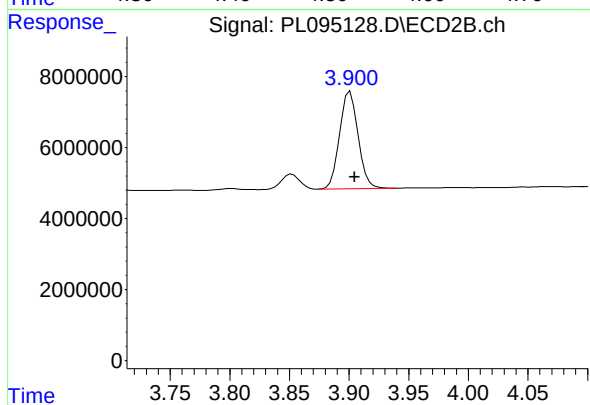
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 60954572
Conc: 11.86 ng/ml



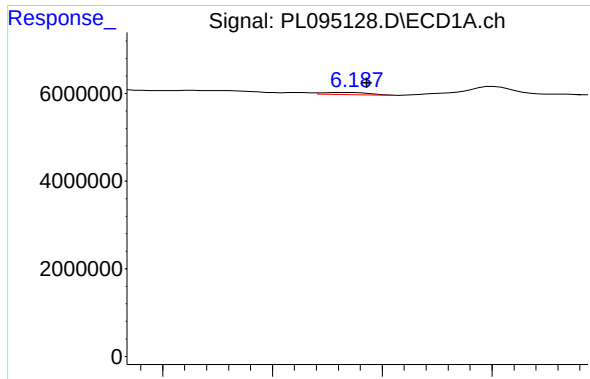
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 22215731
Conc: 12.04 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 29643720
Conc: 13.35 ng/ml



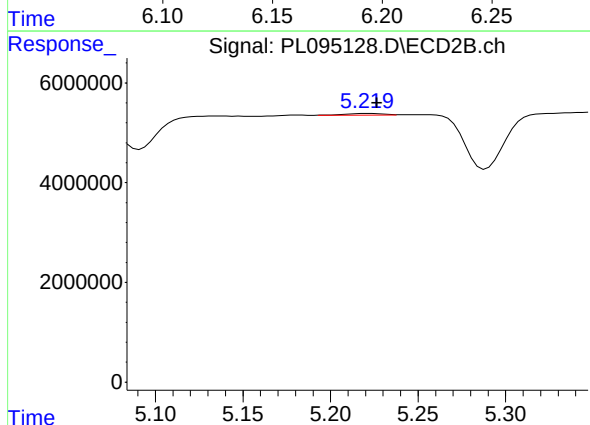
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.006 min
Response: 647348
Conc: 0.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

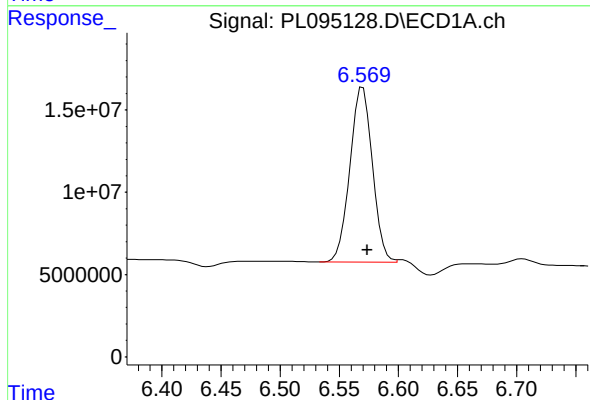
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



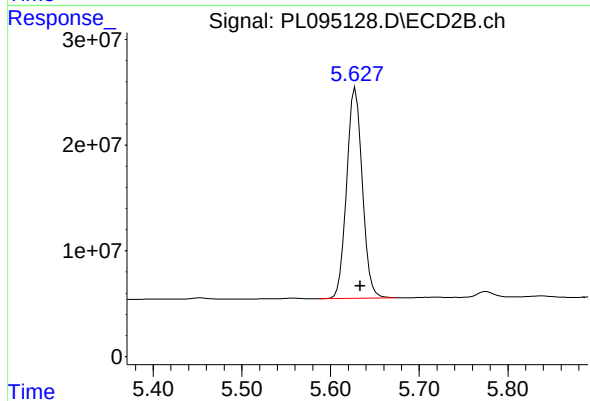
#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.007 min
Response: 488040
Conc: 0.10 ng/ml



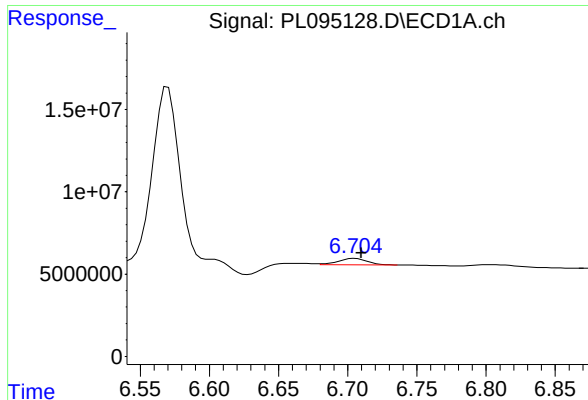
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 140574645
Conc: 50.71 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 244750441
Conc: 56.09 ng/ml



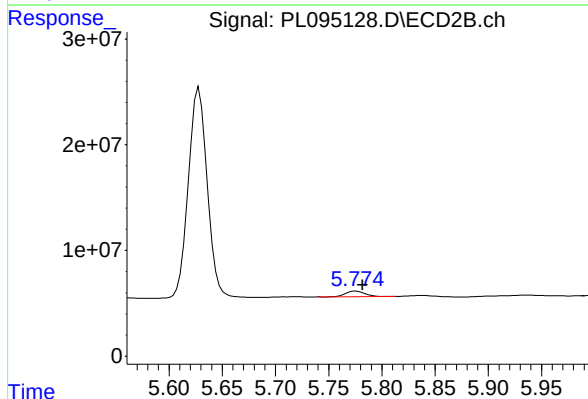
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.006 min
Response: 5594476
Conc: 2.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

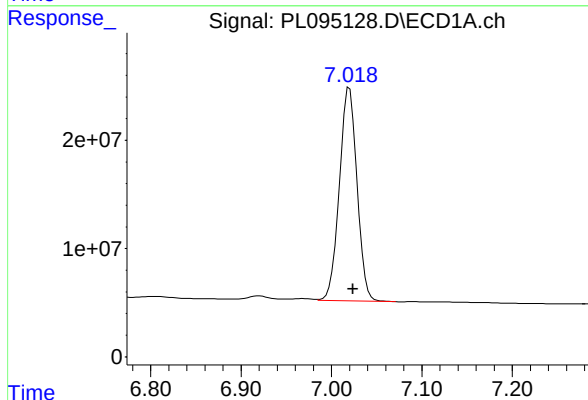
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



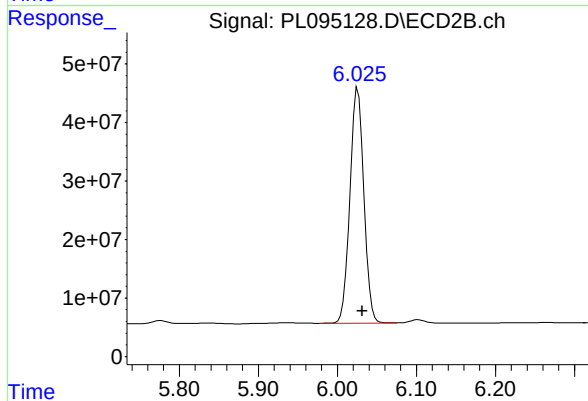
#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 6607015
Conc: 1.84 ng/ml



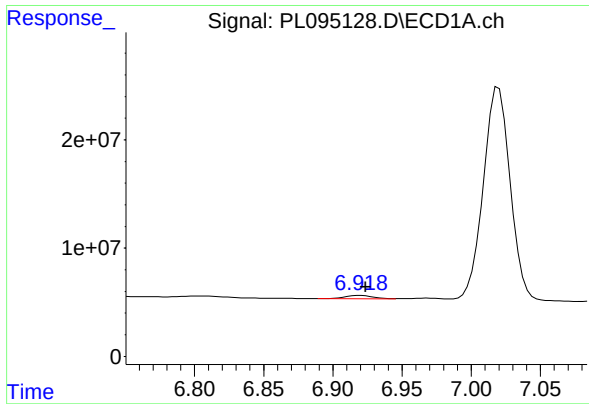
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 267505289
Conc: 112.47 ng/ml



#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 492499876
Conc: 122.14 ng/ml



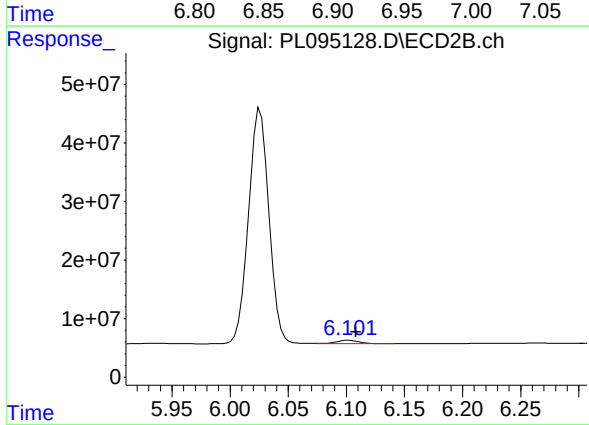
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: -0.005 min
Response: 4282681
Conc: 2.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

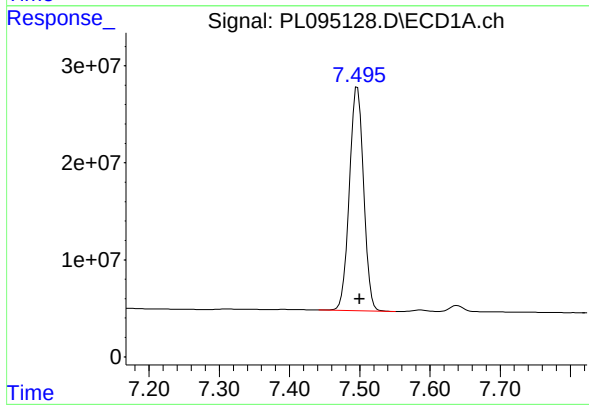
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



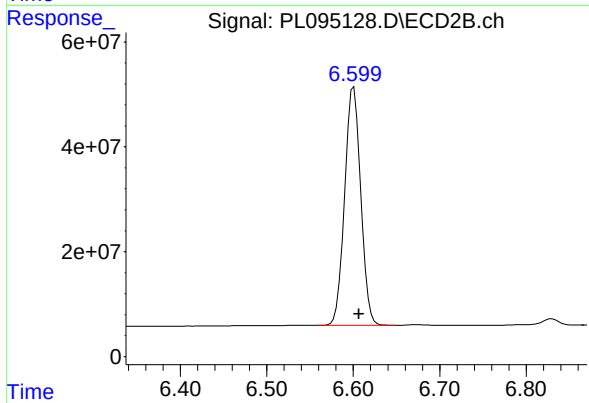
#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 7686415
Conc: 2.28 ng/ml



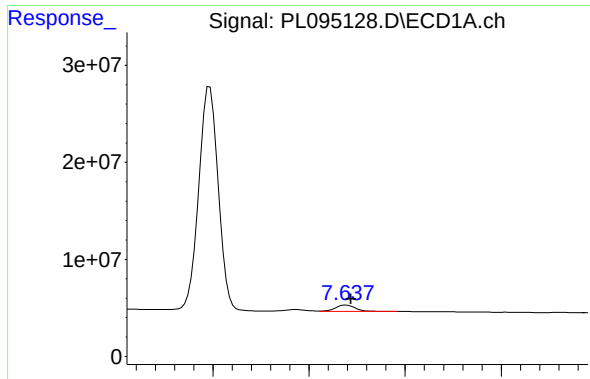
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 325303951
Conc: 271.75 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 586460174
Conc: 276.49 ng/ml m



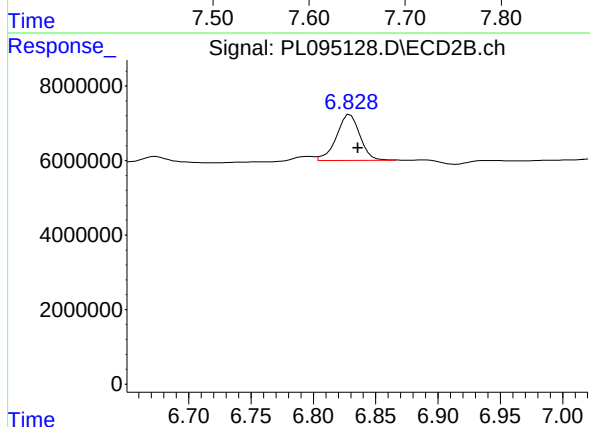
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 9139570
Conc: 3.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

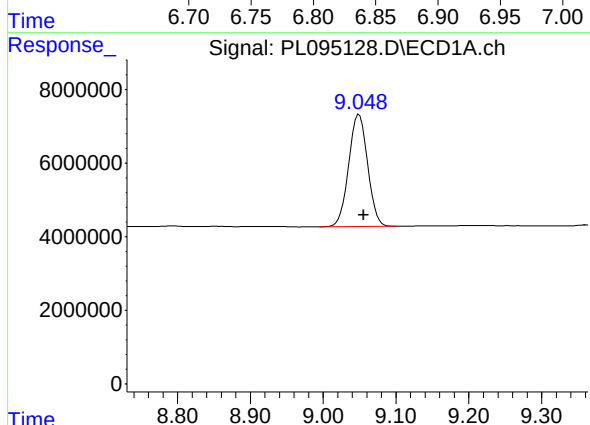
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



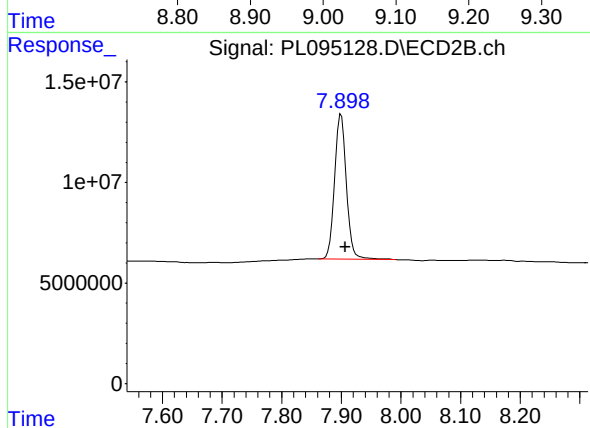
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 15974593
Conc: 3.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 55100680
Conc: 26.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 99520683
Conc: 24.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

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

Signal #2

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

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

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

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations APPROVED

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

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	53468086	65423025	18.889	18.330
28) SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds						
9) A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10) B gamma-Chl...	5.937	4.971	33232558	42863759	9.863	8.877m
12) B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13) MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19) B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20) A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21) B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

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

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

Instrument :

ECD_L

ClientSampleId :

RESCHK

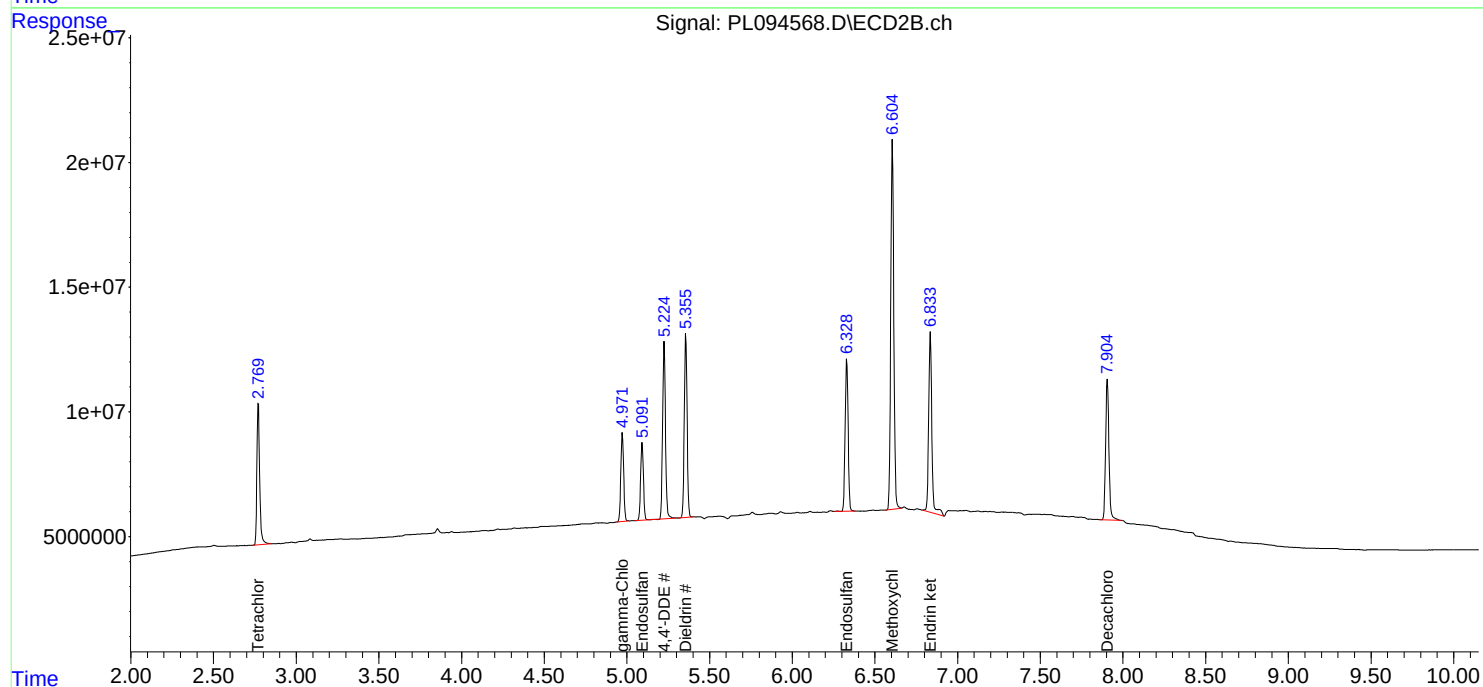
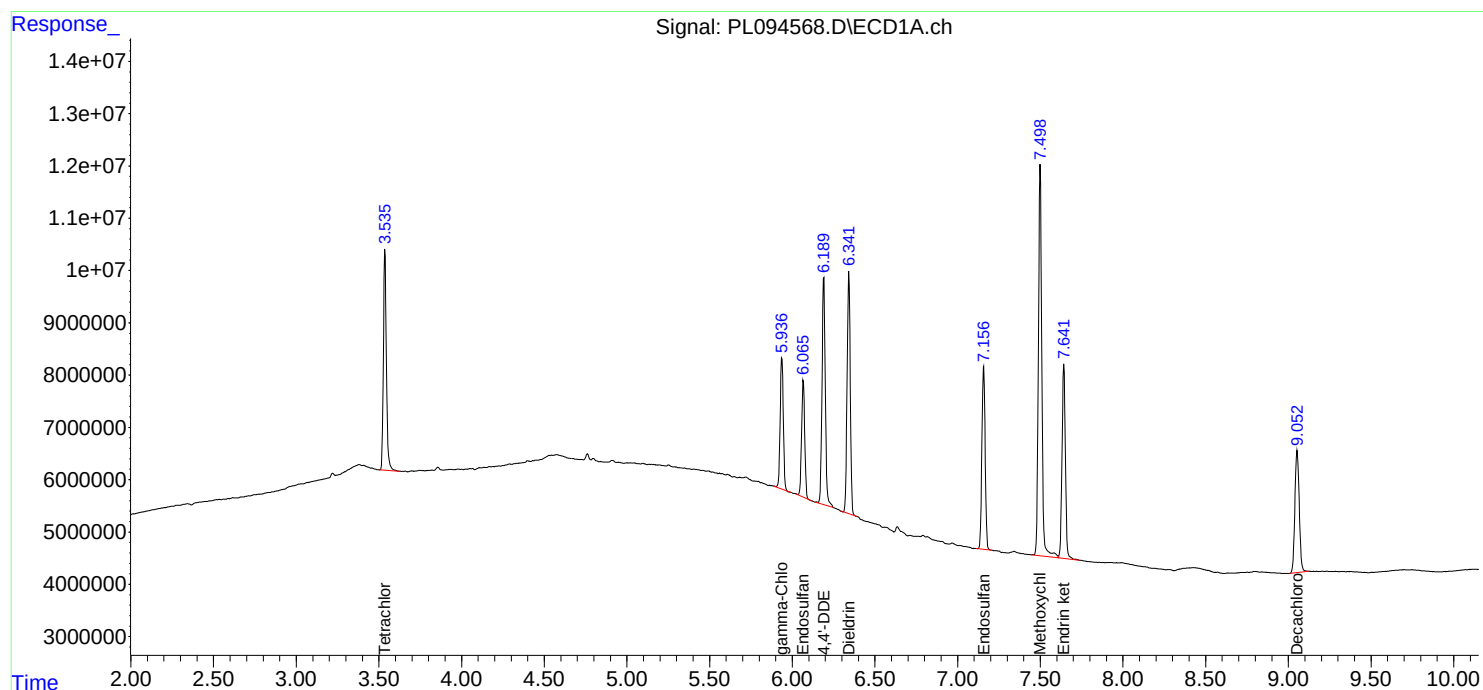
Manual Integrations

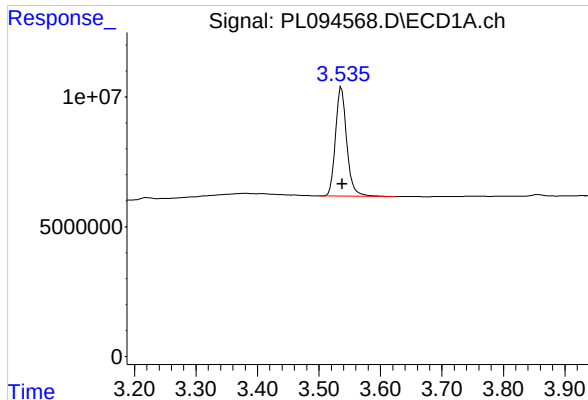
APPROVED

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

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

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





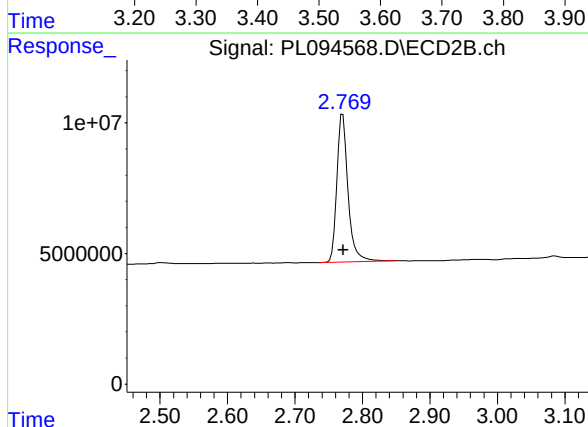
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

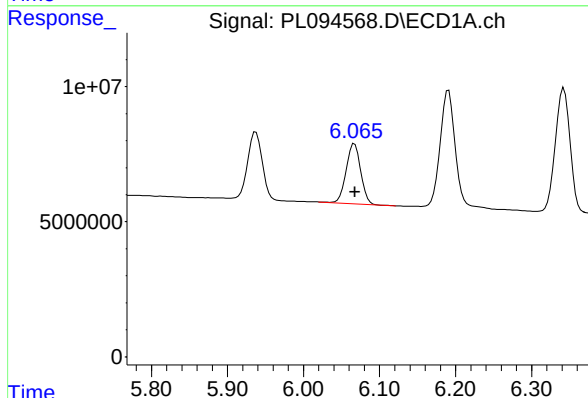
Manual Integrations
APPROVED

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



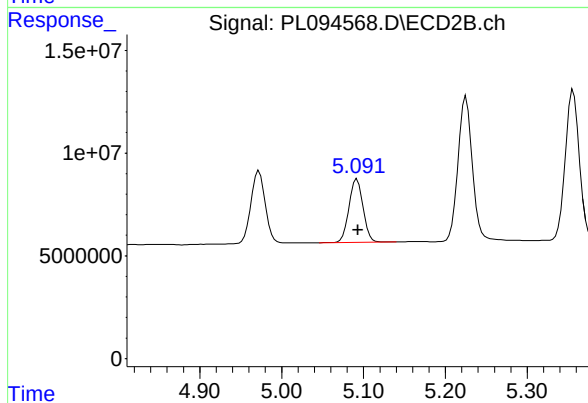
#1 Tetrachloro-m-xylene

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



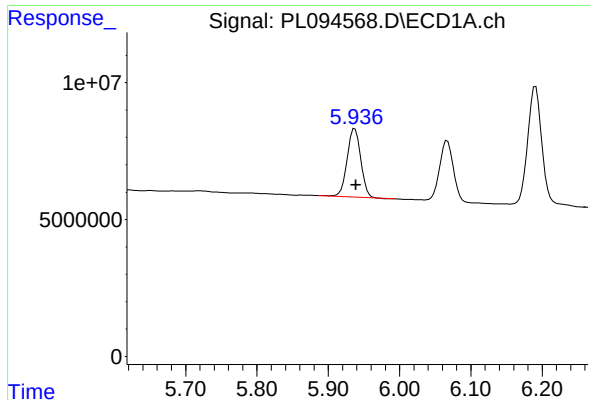
#9 Endosulfan I

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



#9 Endosulfan I

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



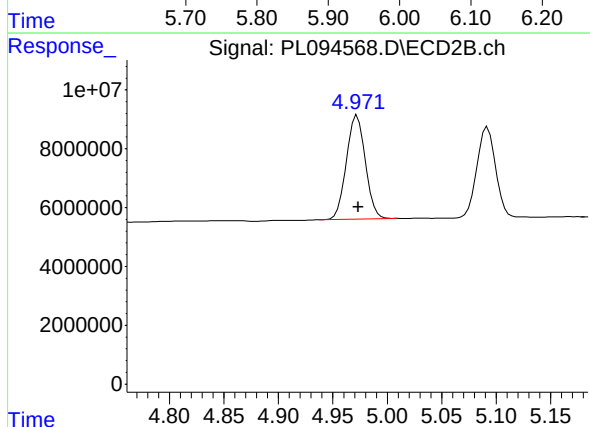
#10 gamma-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

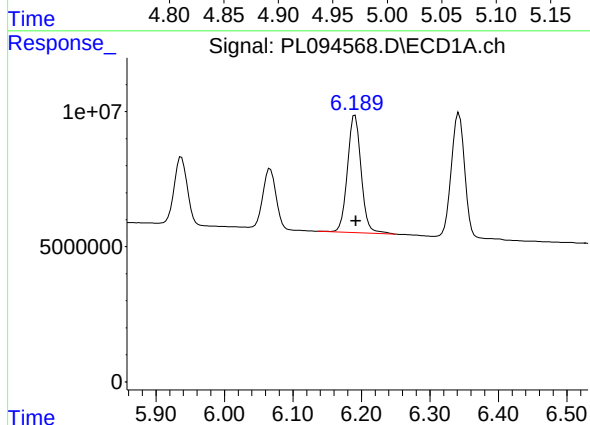
Manual Integrations
APPROVED

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



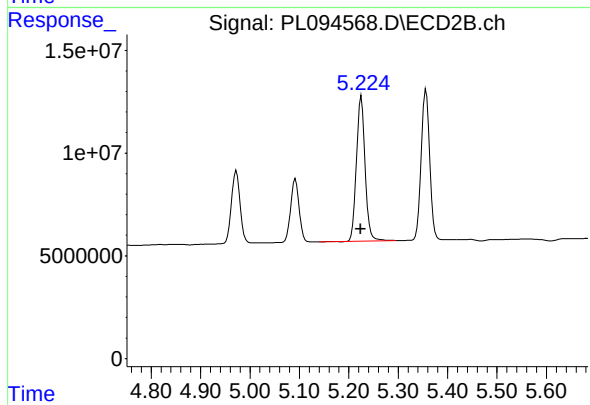
#10 gamma-Chlordane

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



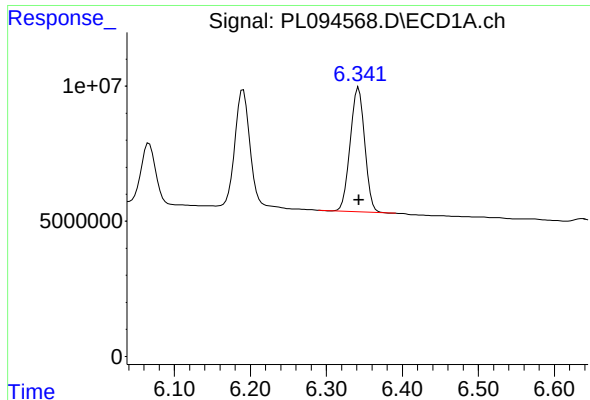
#12 4,4'-DDE

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



#12 4,4'-DDE

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



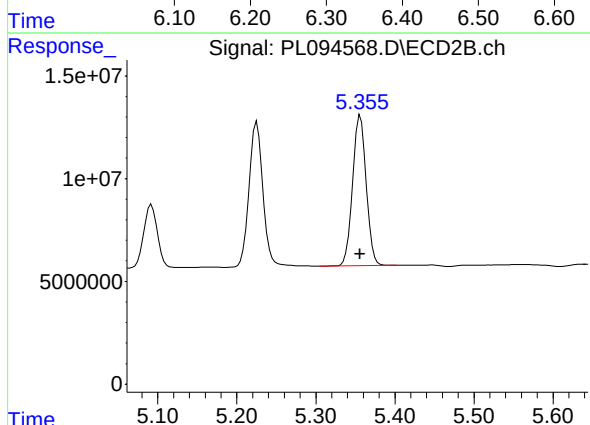
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

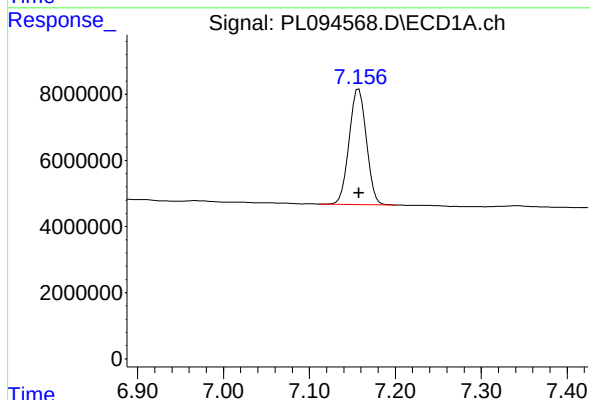
Manual Integrations
APPROVED

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



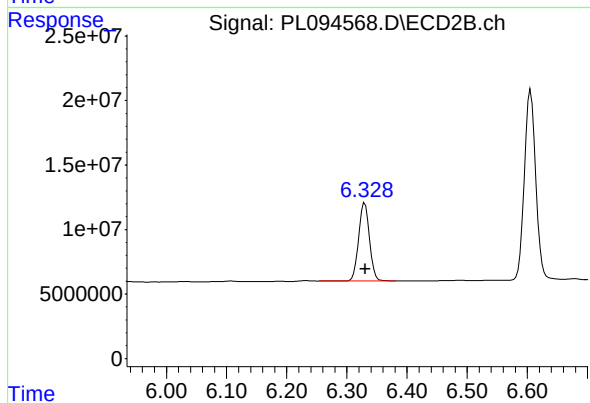
#13 Dieldrin

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



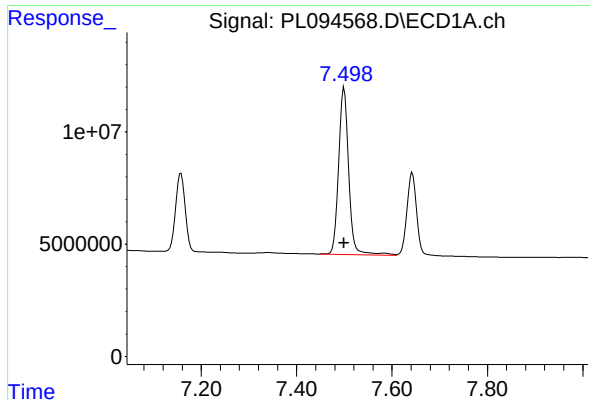
#19 Endosulfan Sulfate

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



#19 Endosulfan Sulfate

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



#20 Methoxychlor

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

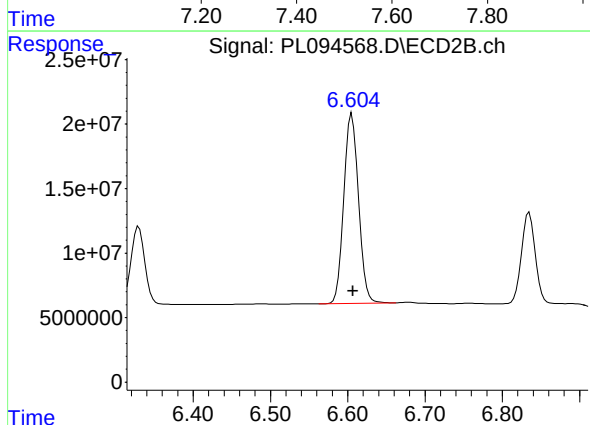
Instrument :

ECD_L

ClientSampleId :
RESCHK

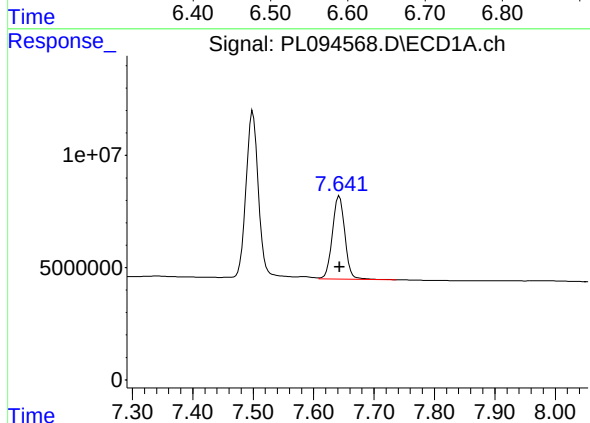
Manual Integrations
APPROVED

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



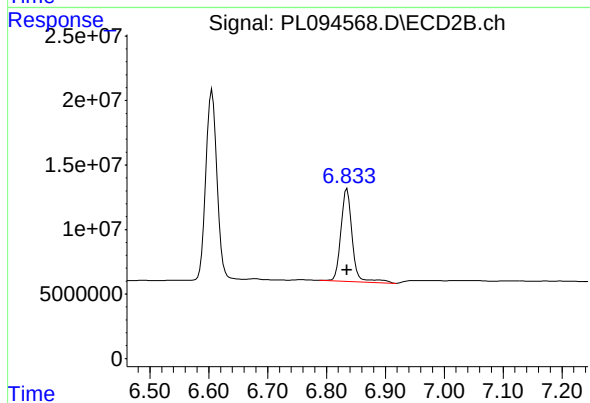
#20 Methoxychlor

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



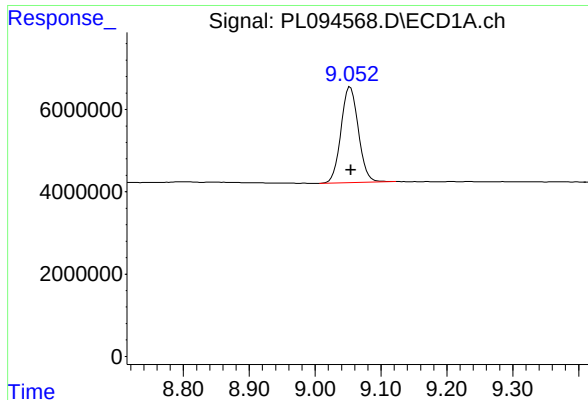
#21 Endrin ketone

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



#21 Endrin ketone

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



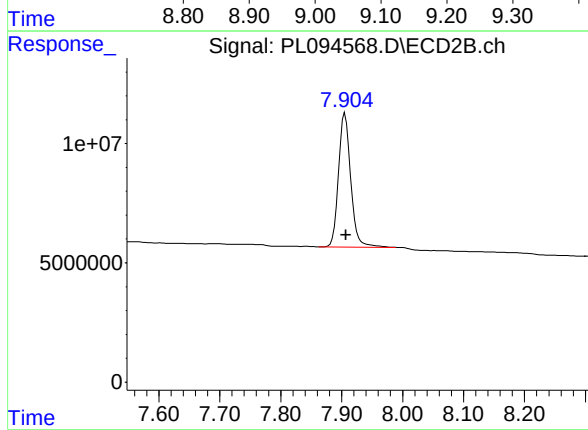
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Manual Integrations
APPROVED

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

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

Signal #2

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

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

Analytical Sequence

Client: Nobis Group

SDG No.: Q1730

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/11/2025

03/11/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
IBLK	IBLK	04/07/2025	19:27	PL095071.D	9.05	3.54
PEM	PEM	04/07/2025	19:41	PL095072.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/07/2025	19:55	PL095073.D	9.05	3.54
OU4-PCS-TC-22-040325	Q1730-09	04/07/2025	20:36	PL095076.D	9.05	3.53
OU4-PCS-TC-23-040325	Q1730-11	04/07/2025	20:50	PL095077.D	9.05	3.53
OU4-PCS-TC-24-040325	Q1730-13	04/07/2025	21:04	PL095078.D	9.05	3.53
OU4-PCS-TC-25-040325	Q1730-15	04/07/2025	21:17	PL095079.D	9.05	3.53
OU4-PCS-TC-26-040325	Q1730-17	04/07/2025	21:31	PL095080.D	9.05	3.53
OU4-CF-15-040325	Q1730-19	04/07/2025	21:45	PL095081.D	9.05	3.54
IBLK	IBLK	04/07/2025	22:40	PL095085.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/07/2025	23:07	PL095086.D	9.05	3.54
IBLK	IBLK	04/08/2025	09:35	PL095095.D	9.05	3.54
PEM	PEM	04/08/2025	09:48	PL095096.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/08/2025	10:02	PL095097.D	9.05	3.54
PB167473BL	PB167473BL	04/08/2025	11:19	PL095100.D	9.06	3.54
OU4-VSL-15-040325	Q1730-01	04/08/2025	13:17	PL095104.D	9.05	3.53
OU4-VSL-15-040325MS	Q1730-01MS	04/08/2025	13:30	PL095105.D	9.05	3.53
OU4-VSL-15-040325MSD	Q1730-01MSD	04/08/2025	13:44	PL095106.D	9.05	3.53
OU4-VSL-16-040325	Q1730-03	04/08/2025	13:58	PL095107.D	9.05	3.53
OU4-VSL-17-040325	Q1730-05	04/08/2025	14:11	PL095108.D	9.05	3.53
OU4-PCS-TC-21-040325	Q1730-07	04/08/2025	14:25	PL095109.D	9.05	3.54
IBLK	IBLK	04/08/2025	14:39	PL095110.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/08/2025	14:52	PL095111.D	9.05	3.54
IBLK	IBLK	04/09/2025	08:29	PL095127.D	9.05	3.54
PEM	PEM	04/09/2025	08:43	PL095128.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/09/2025	08:57	PL095129.D	9.05	3.54
PB167473BS	PB167473BS	04/09/2025	11:03	PL095130.D	9.06	3.54
IBLK	IBLK	04/09/2025	16:36	PL095137.D	9.05	3.53
PSTDCCC050	PSTDCCC050	04/09/2025	16:49	PL095138.D	9.05	3.53

Analytical Sequence

Client: Nobis Group	SDG No.: Q1730	
Project: Raymark Superfund Site	Instrument ID: ECD_L	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 03/11/2025 03/11/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
IBLK	IBLK	04/07/2025	19:27	PL095071.D	7.90	2.77
PEM	PEM	04/07/2025	19:41	PL095072.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/07/2025	19:55	PL095073.D	7.90	2.77
OU4-PCS-TC-22-040325	Q1730-09	04/07/2025	20:36	PL095076.D	7.90	2.77
OU4-PCS-TC-23-040325	Q1730-11	04/07/2025	20:50	PL095077.D	7.92	2.79
OU4-PCS-TC-24-040325	Q1730-13	04/07/2025	21:04	PL095078.D	7.90	2.77
OU4-PCS-TC-25-040325	Q1730-15	04/07/2025	21:17	PL095079.D	7.90	2.77
OU4-PCS-TC-26-040325	Q1730-17	04/07/2025	21:31	PL095080.D	7.90	2.77
OU4-CF-15-040325	Q1730-19	04/07/2025	21:45	PL095081.D	7.90	2.77
IBLK	IBLK	04/07/2025	22:40	PL095085.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/07/2025	23:07	PL095086.D	7.90	2.77
IBLK	IBLK	04/08/2025	09:35	PL095095.D	7.90	2.77
PEM	PEM	04/08/2025	09:48	PL095096.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/08/2025	10:02	PL095097.D	7.90	2.77
PB167473BL	PB167473BL	04/08/2025	11:19	PL095100.D	7.90	2.77
OU4-VSL-15-040325	Q1730-01	04/08/2025	13:17	PL095104.D	7.90	2.77
OU4-VSL-15-040325MS	Q1730-01MS	04/08/2025	13:30	PL095105.D	7.90	2.77
OU4-VSL-15-040325MSD	Q1730-01MSD	04/08/2025	13:44	PL095106.D	7.90	2.77
OU4-VSL-16-040325	Q1730-03	04/08/2025	13:58	PL095107.D	7.90	2.77
OU4-VSL-17-040325	Q1730-05	04/08/2025	14:11	PL095108.D	7.90	2.77
OU4-PCS-TC-21-040325	Q1730-07	04/08/2025	14:25	PL095109.D	7.90	2.77
IBLK	IBLK	04/08/2025	14:39	PL095110.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/08/2025	14:52	PL095111.D	7.90	2.77
IBLK	IBLK	04/09/2025	08:29	PL095127.D	7.90	2.77
PEM	PEM	04/09/2025	08:43	PL095128.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/09/2025	08:57	PL095129.D	7.90	2.77
PB167473BS	PB167473BS	04/09/2025	11:03	PL095130.D	7.90	2.77
IBLK	IBLK	04/09/2025	16:36	PL095137.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/09/2025	16:49	PL095138.D	7.90	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-15-040325MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1730

SAS No.: Q1730

SDG NO.: Q1730

Lab Sample ID: Q1730-01MS

Date(s) Analyzed: 04/08/2025

04/08/2025

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	6.71	6.66	6.76	18.9	6.6
	2	5.77	5.72	5.82	17.7	
Endosulfan II	1	6.79	6.74	6.84	17.2	3.6
	2	5.92	5.87	5.97	16.6	
4,4'-DDT	1	7.02	6.97	7.07	18.1	2.2
	2	6.03	5.98	6.08	17.7	
Endrin aldehyde	1	6.92	6.87	6.97	16.5	1.2
	2	6.10	6.05	6.15	16.3	
Endosulfan sulfate	1	7.16	7.11	7.21	17.0	0
	2	6.33	6.28	6.38	17.0	
Methoxychlor	1	7.50	7.45	7.55	19.0	2.7
	2	6.60	6.55	6.65	18.5	
Endrin ketone	1	7.64	7.59	7.69	17.4	1.7
	2	6.83	6.78	6.88	17.7	
alpha-BHC	1	3.99	3.94	4.04	15.4	12.8
	2	3.27	3.22	3.32	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.3	10.5
	2	3.60	3.55	3.65	17.0	
Heptachlor	1	4.91	4.86	4.96	15.2	7.6
	2	3.94	3.89	3.99	16.4	
Aldrin	1	5.25	5.20	5.30	15.3	6.3
	2	4.22	4.17	4.27	16.3	
beta-BHC	1	4.52	4.47	4.57	15.3	11.1
	2	3.90	3.85	3.95	17.1	
delta-BHC	1	4.77	4.72	4.82	15.3	4.5
	2	4.13	4.08	4.18	16.0	
Heptachlor epoxide	1	5.68	5.63	5.73	15.5	5.6
	2	4.72	4.67	4.77	16.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-15-040325MS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: Q1730-01MS

Date(s) Analyzed: 04/08/2025 04/08/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	16.4	1.8
	2	5.09	5.04	5.14	16.1	
gamma-Chlordane	1	5.94	5.89	5.99	16.0	3.1
	2	4.97	4.92	5.02	16.5	
alpha-Chlordane	1	6.02	5.97	6.07	16.3	0.6
	2	5.03	4.98	5.08	16.4	
4,4'-DDE	1	6.19	6.14	6.24	18.1	3.9
	2	5.22	5.17	5.27	17.4	
Dieldrin	1	6.34	6.29	6.39	16.8	2.4
	2	5.35	5.30	5.40	16.4	
Endrin	1	6.57	6.52	6.62	16.7	3.5
	2	5.63	5.58	5.68	17.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-15-040325MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: Q1730-01MSD

Date(s) Analyzed: 04/08/2025 04/08/2025

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	6.71	6.66	6.76	18.7	7.2
	2	5.78	5.73	5.83	17.4	
4,4'-DDT	1	7.02	6.97	7.07	17.9	2.3
	2	6.03	5.98	6.08	17.5	
alpha-BHC	1	3.99	3.94	4.04	15.3	12.3
	2	3.27	3.22	3.32	17.3	
Aldrin	1	5.25	5.20	5.30	15.2	6.4
	2	4.22	4.17	4.27	16.2	
beta-BHC	1	4.52	4.47	4.57	15.3	9.3
	2	3.90	3.85	3.95	16.8	
delta-BHC	1	4.77	4.72	4.82	15.2	5.1
	2	4.13	4.08	4.18	16.0	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	0
	2	5.03	4.98	5.08	16.1	
4,4'-DDE	1	6.19	6.14	6.24	18.0	5.7
	2	5.22	5.17	5.27	17.0	
Dieldrin	1	6.34	6.29	6.39	16.6	2.4
	2	5.35	5.30	5.40	16.2	
Endosulfan II	1	6.79	6.74	6.84	17.0	3
	2	5.92	5.87	5.97	16.5	
Endrin aldehyde	1	6.92	6.87	6.97	16.7	3
	2	6.10	6.05	6.15	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	16.9	0.6
	2	6.33	6.28	6.38	16.8	
Methoxychlor	1	7.50	7.45	7.55	19.2	4.8
	2	6.60	6.55	6.65	18.3	
Endrin ketone	1	7.64	7.59	7.69	17.3	1.2
	2	6.83	6.78	6.88	17.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-15-040325MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: Q1730-01MSD

Date(s) Analyzed: 04/08/2025 04/08/2025

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		
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.2	10
	2	3.60	3.55	3.65	16.8	
Heptachlor	1	4.91	4.86	4.96	15.1	7
	2	3.94	3.89	3.99	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.4	5.1
	2	4.72	4.67	4.77	16.2	
Endosulfan I	1	6.07	6.02	6.12	16.2	0
	2	5.09	5.04	5.14	16.2	
gamma-Chlordane	1	5.94	5.89	5.99	15.7	2.5
	2	4.97	4.92	5.02	16.1	
Endrin	1	6.57	6.52	6.62	16.3	4.2
	2	5.63	5.58	5.68	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167473BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1730

SAS No.: Q1730

SDG NO.: Q1730

Lab Sample ID: PB167473BS

Date(s) Analyzed: 04/09/2025

04/09/2025

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	6.71	6.66	6.76	17.6	0.6
	2	5.78	5.73	5.83	17.7	
4,4'-DDE	1	6.19	6.14	6.24	16.4	0.6
	2	5.22	5.17	5.27	16.5	
4,4'-DDT	1	7.02	6.97	7.07	16.1	3.1
	2	6.03	5.98	6.08	16.6	
alpha-BHC	1	4.00	3.95	4.05	14.6	17.5
	2	3.27	3.22	3.32	17.4	
Aldrin	1	5.26	5.21	5.31	14.0	12.1
	2	4.22	4.17	4.27	15.8	
alpha-Chlordane	1	6.02	5.97	6.07	14.8	6.5
	2	5.03	4.98	5.08	15.8	
Endosulfan II	1	6.80	6.75	6.85	15.6	3.8
	2	5.92	5.87	5.97	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.5	8
	2	6.33	6.28	6.38	16.8	
beta-BHC	1	4.53	4.48	4.58	14.1	18.1
	2	3.90	3.85	3.95	16.9	
delta-BHC	1	4.78	4.73	4.83	15.3	6.3
	2	4.13	4.08	4.18	16.3	
Endosulfan I	1	6.07	6.02	6.12	14.9	7.1
	2	5.09	5.04	5.14	16.0	
Dieldrin	1	6.34	6.29	6.39	15.1	4.5
	2	5.35	5.30	5.40	15.8	
Endrin aldehyde	1	6.92	6.87	6.97	15.5	5
	2	6.10	6.05	6.15	16.3	
Methoxychlor	1	7.50	7.45	7.55	16.7	1.8
	2	6.60	6.55	6.65	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167473BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730

SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: PB167473BS

Date(s) Analyzed: 04/09/2025 04/09/2025

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	7.64	7.59	7.69	16.0	5.5
	2	6.83	6.78	6.88	16.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.5	15.3
	2	3.60	3.55	3.65	16.9	
Heptachlor	1	4.92	4.87	4.97	14.0	12.7
	2	3.94	3.89	3.99	15.9	
Heptachlor epoxide	1	5.68	5.63	5.73	14.3	11.2
	2	4.72	4.67	4.77	16.0	
gamma-Chlordane	1	5.94	5.89	5.99	14.6	8.5
	2	4.97	4.92	5.02	15.9	
Endrin	1	6.57	6.52	6.62	14.0	12.1
	2	5.63	5.58	5.68	15.8	



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:	PB167473BL	SDG No.:	Q1730
Lab Sample ID:	PB167473BL	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
PL095100.D	1	04/07/25 08:20	04/08/25 11:19	PB167473

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	0.0080	J	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.1		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		87%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167473BL		SDG No.:	Q1730	
Lab Sample ID:	PB167473BL		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
PL095100.D	1	04/07/25 08:20	04/08/25 11:19	PB167473

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\PL040825\
Data File : PL095100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:19
Operator : AR\AJ
Sample : PB167473BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167473BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:40:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.767	47715665	62957877	16.857	17.639
28) SA Decachlor...	9.058	7.903	38160099	70039546	18.107	17.339

Target Compounds

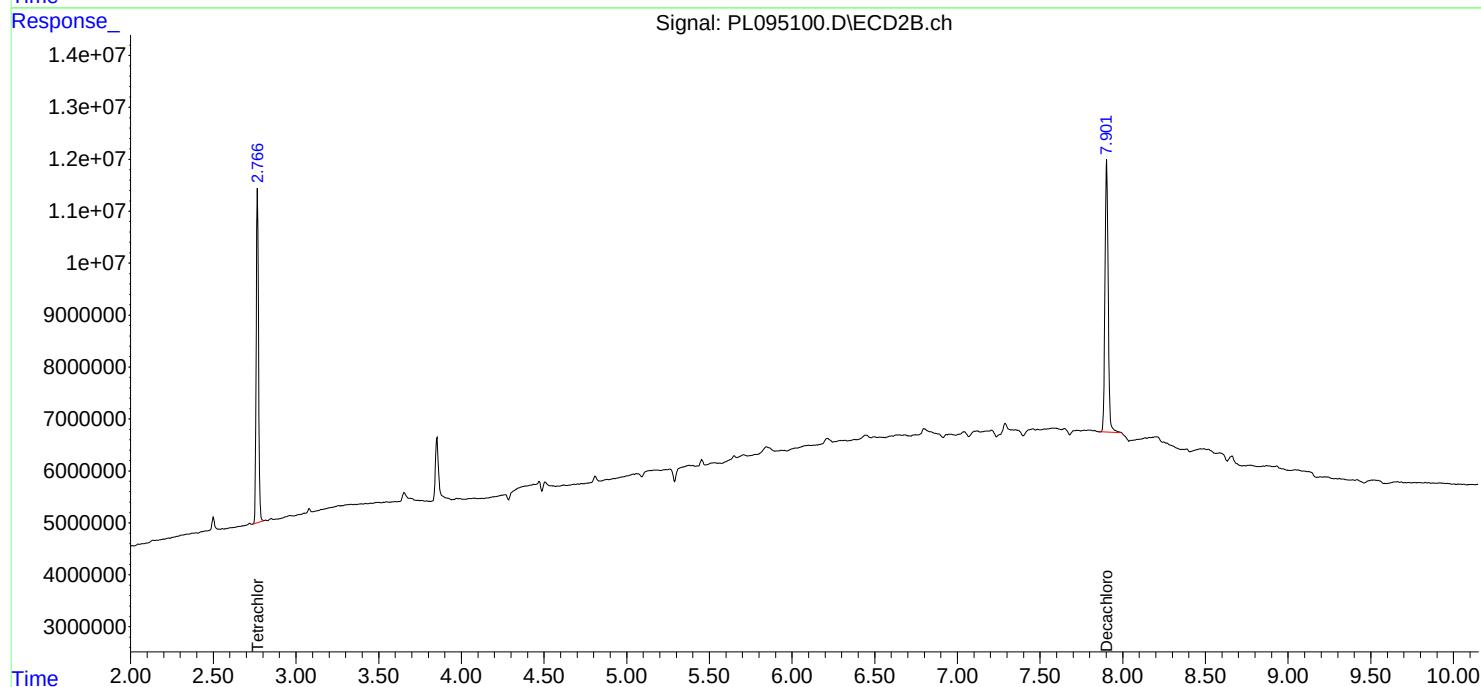
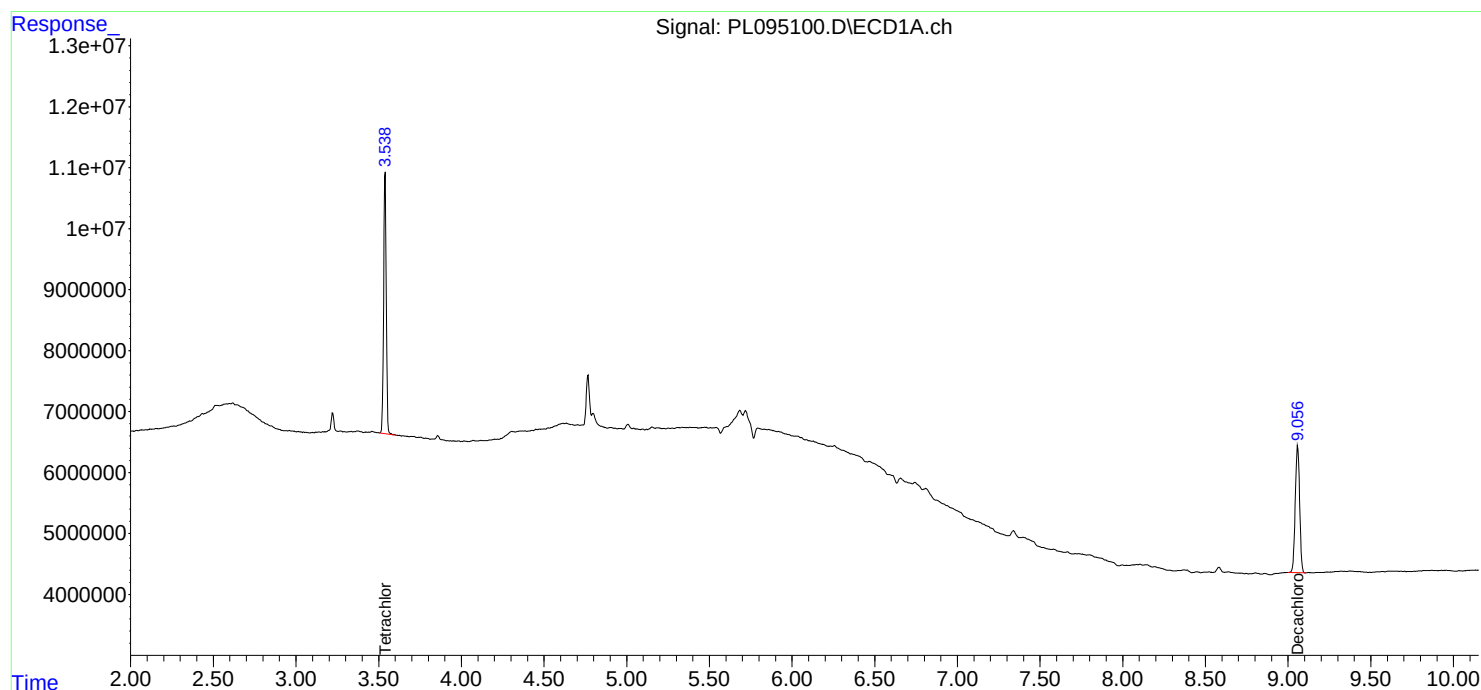
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

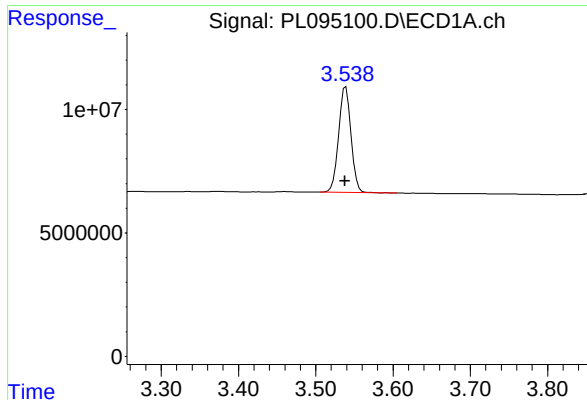
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:19
Operator : AR\AJ
Sample : PB167473BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167473BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:40:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

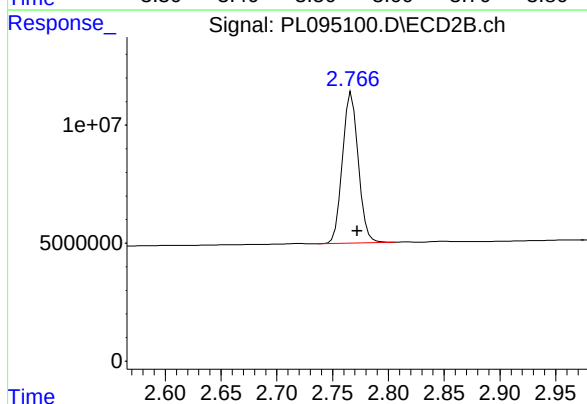




#1 Tetrachloro-m-xylene

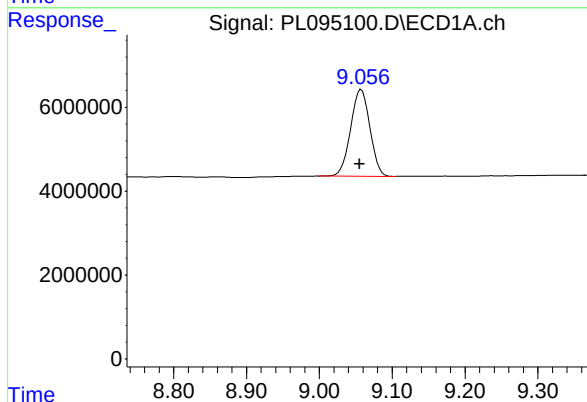
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 47715665
Conc: 16.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BL



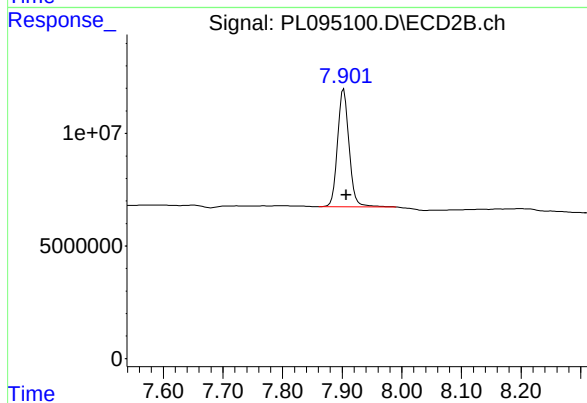
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: -0.005 min
Response: 62957877
Conc: 17.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.002 min
Response: 38160099
Conc: 18.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 70039546
Conc: 17.34 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	03/11/25
Project:	Raymark Superfund Site	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL094566.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
PL094566.D	1		03/11/25	PL031125

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	22.7		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		44 - 124		103%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	03/11/25	
Project:	Raymark Superfund Site		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094566.D		SDG No.:	Q1730	
Lab Sample ID:	I.BLK-PL094566.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
PL094566.D	1		03/11/25	PL031125

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

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	58403854	72167542	20.633	20.219
28) SA Decachlor...	9.053	7.905	47932225	84990699	22.744	21.041

Target Compounds

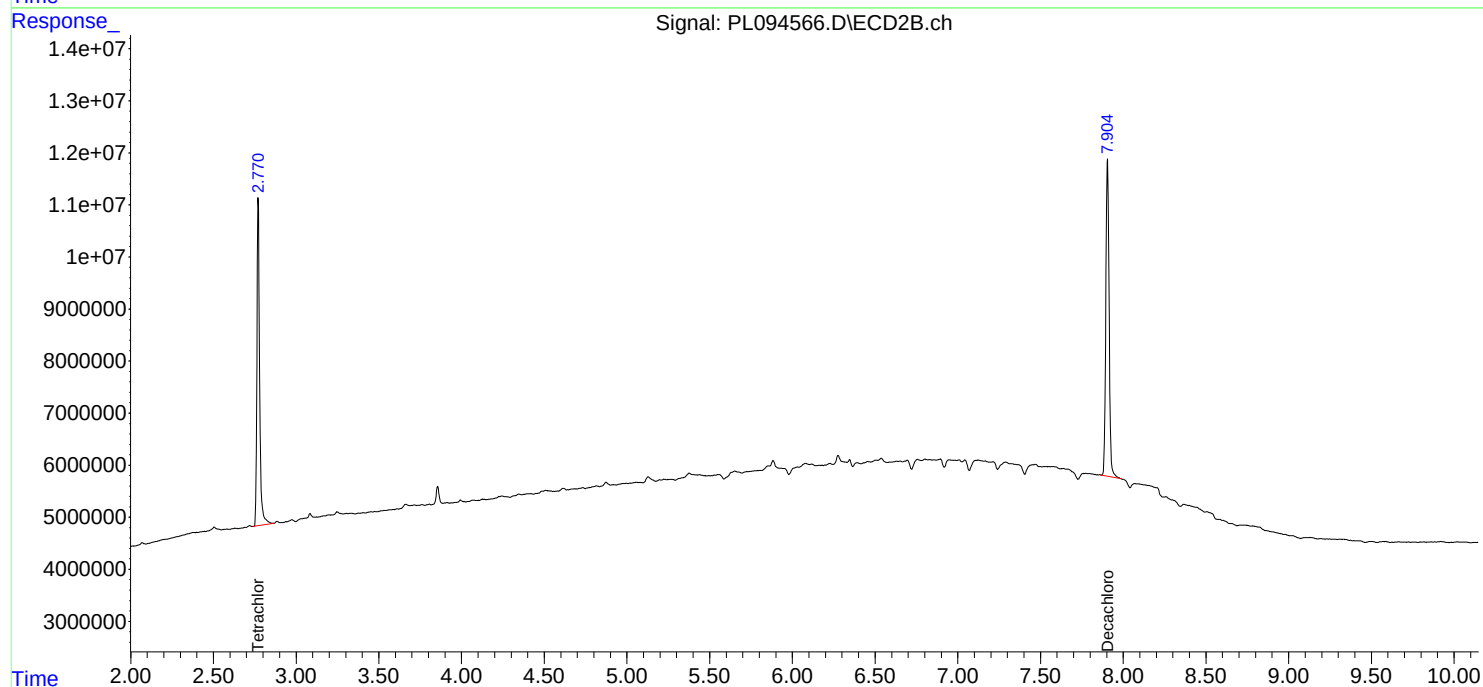
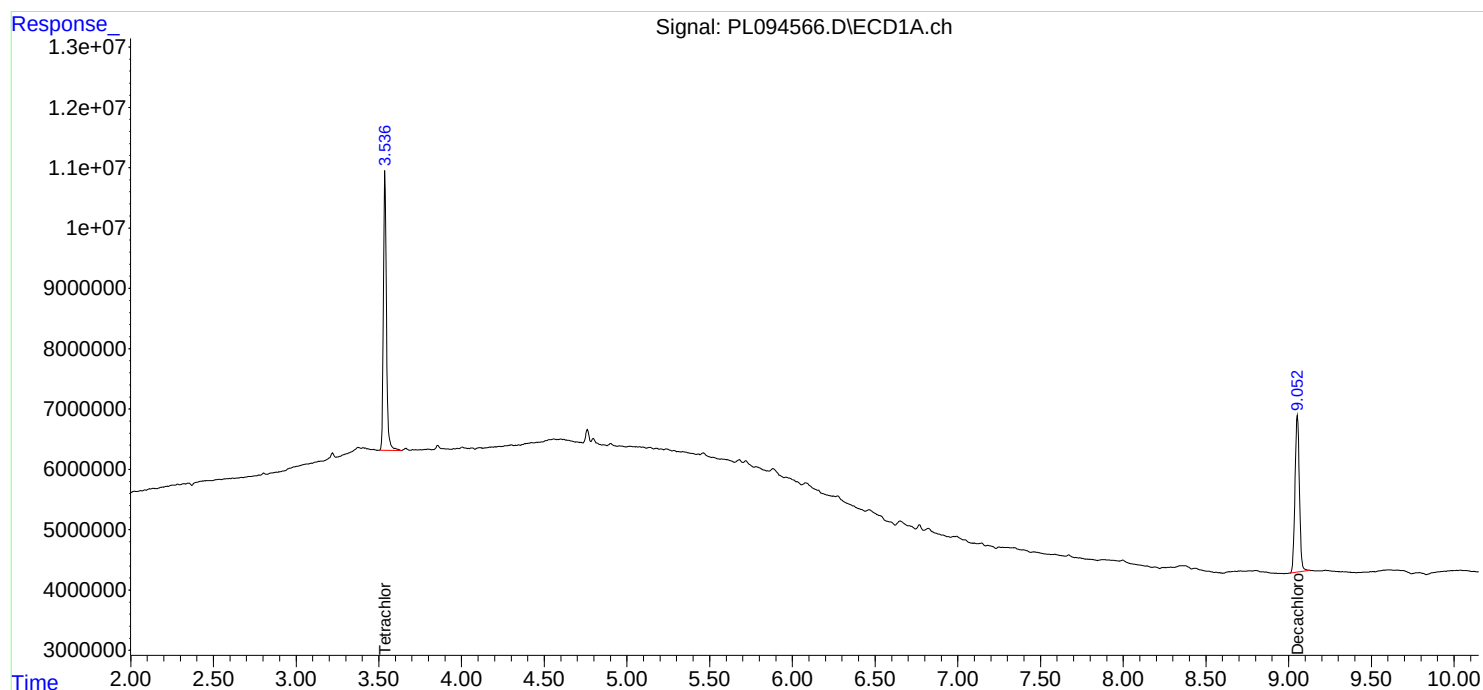
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

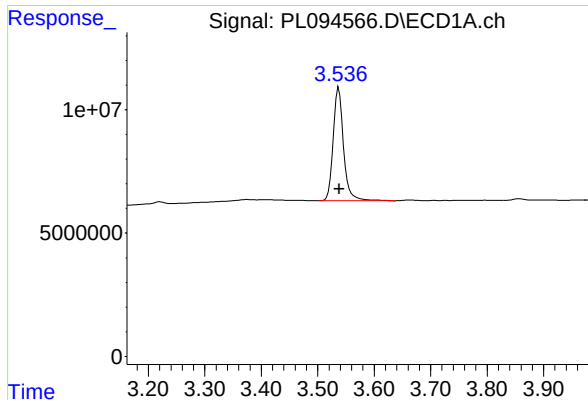
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

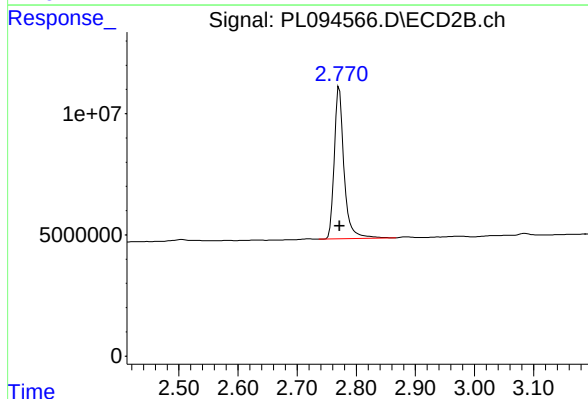




#1 Tetrachloro-m-xylene

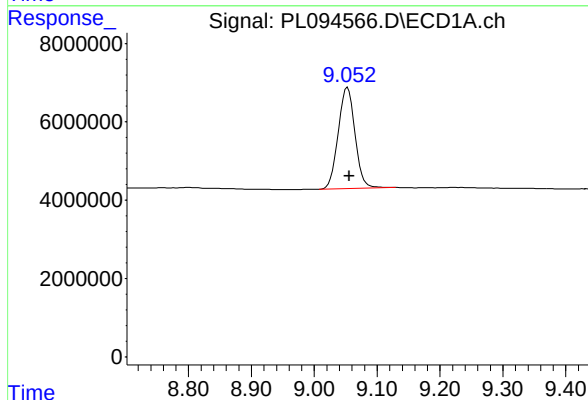
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



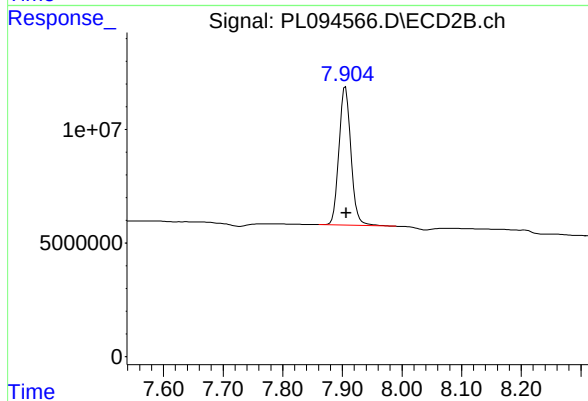
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72167542
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 47932225
Conc: 22.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 84990699
Conc: 21.04 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/07/25
Project:	Raymark Superfund Site	Date Received:	04/07/25
Client Sample ID:	PIBLK-PL095071.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095071.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
PL095071.D	1		04/07/25	PL040725

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	23.0		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		102%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/07/25	
Project:	Raymark Superfund Site		Date Received:	04/07/25	
Client Sample ID:	PIBLK-PL095071.D		SDG No.:	Q1730	
Lab Sample ID:	I.BLK-PL095071.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
PL095071.D	1		04/07/25	PL040725

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\PL040725\
Data File : PL095071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:27
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 08 02:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	56542961	73123778	19.975	20.487
28) SA Decachlor...	9.051	7.900	48387290	83790222	22.960	20.743

Target Compounds

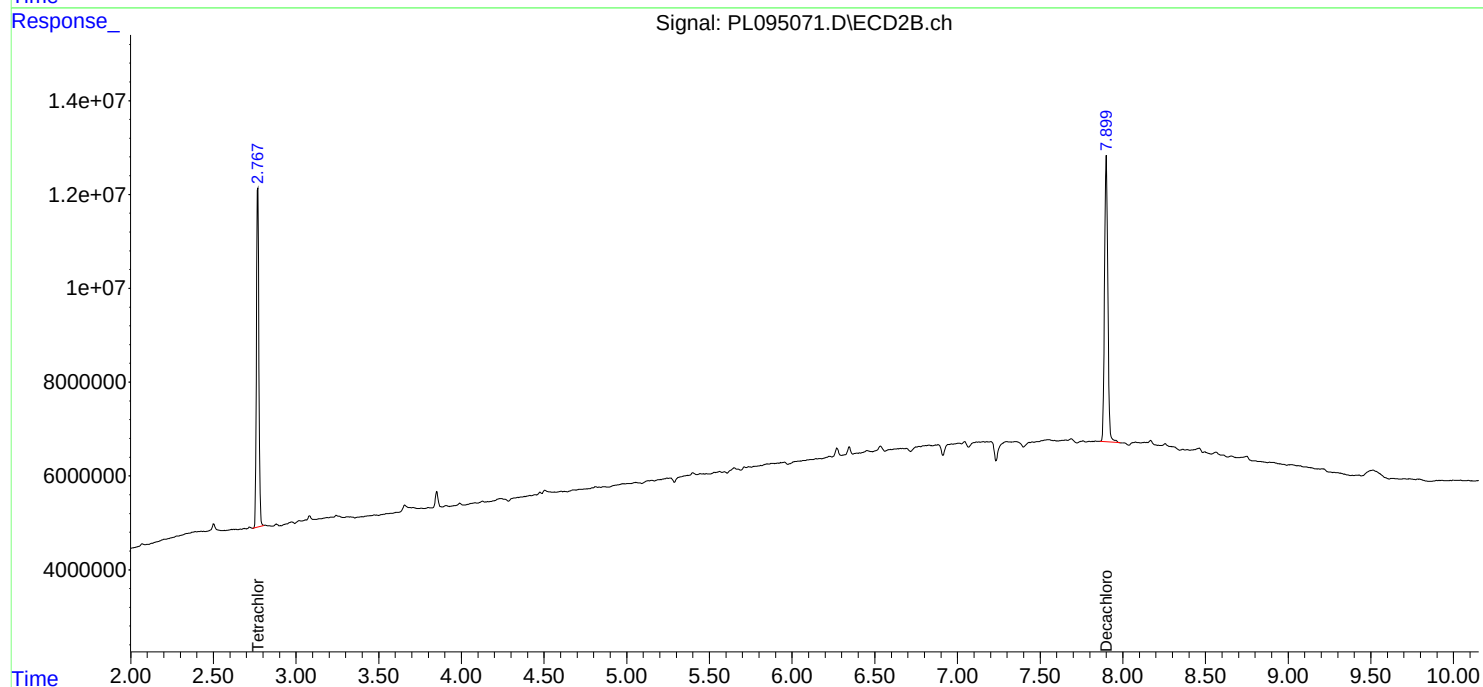
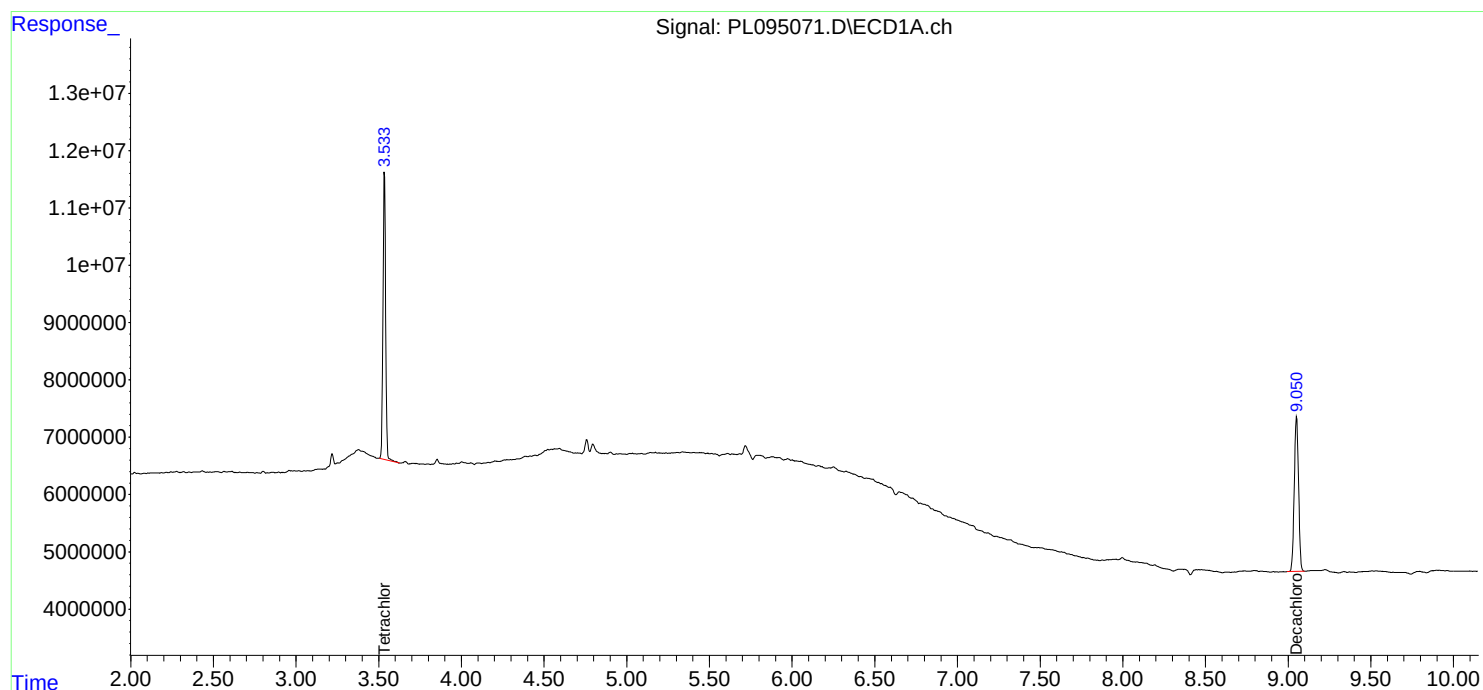
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

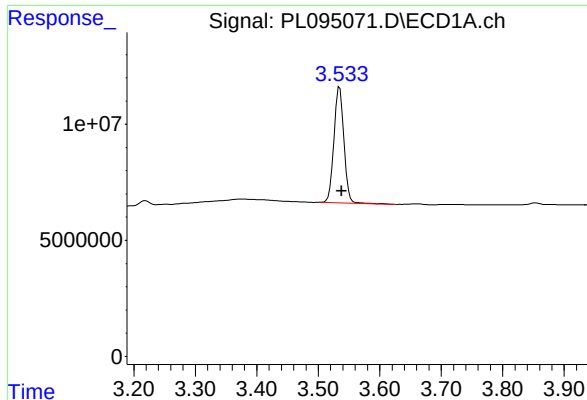
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:27
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

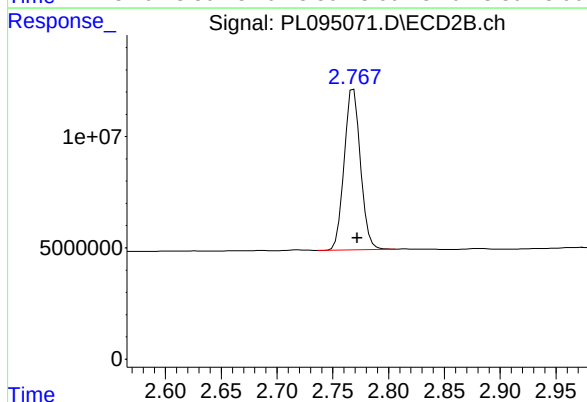




#1 Tetrachloro-m-xylene

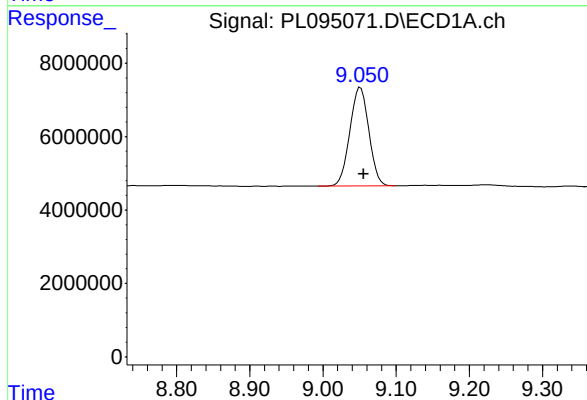
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 56542961
Conc: 19.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



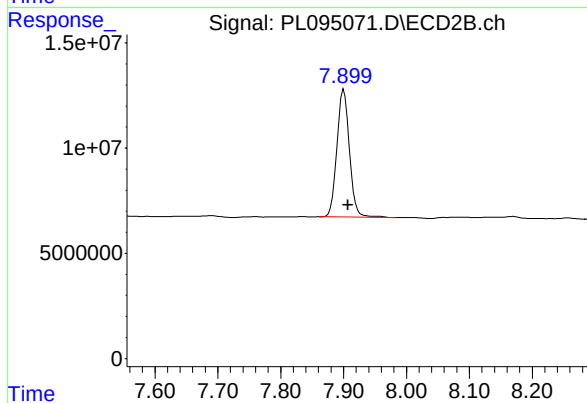
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 73123778
Conc: 20.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 48387290
Conc: 22.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 83790222
Conc: 20.74 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/07/25
Project:	Raymark Superfund Site	Date Received:	04/07/25
Client Sample ID:	PIBLK-PL095085.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095085.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
PL095085.D	1		04/07/25	PL040725

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	20.4		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		44 - 124		104%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/07/25
Project:	Raymark Superfund Site	Date Received:	04/07/25
Client Sample ID:	PIBLK-PL095085.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095085.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
PL095085.D	1		04/07/25	PL040725

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\PL040725\
Data File : PL095085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 22:40
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 08 02:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	55857455	73900457	19.733	20.705
28) SA Decachlor...	9.052	7.901	42994197	64028988	20.401	15.851

Target Compounds

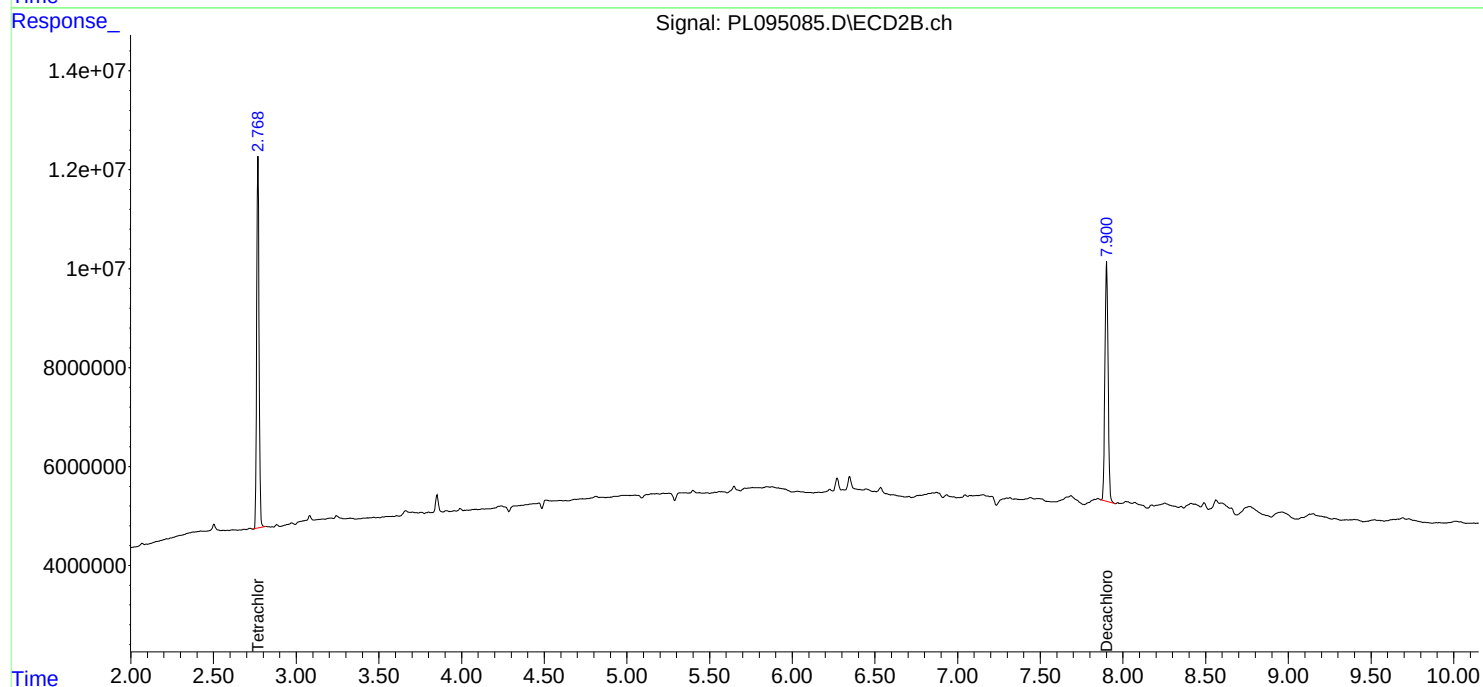
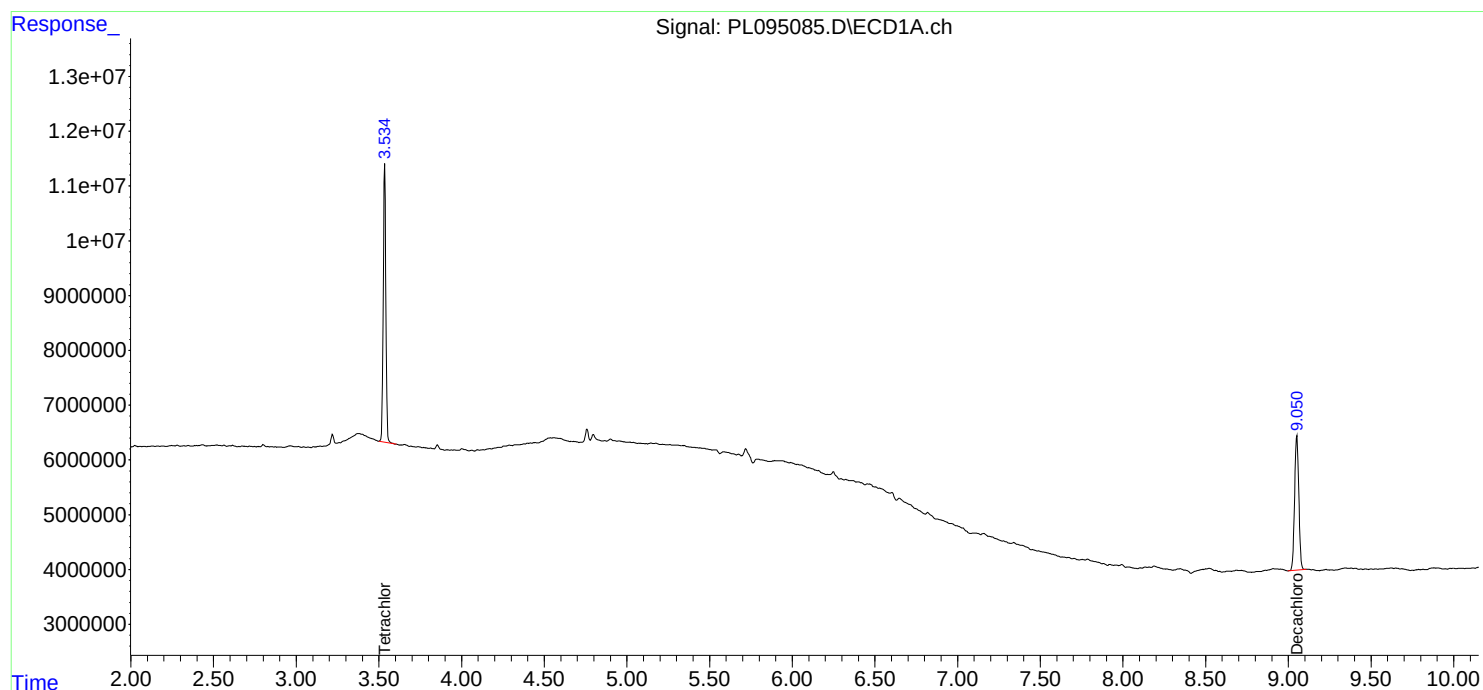
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

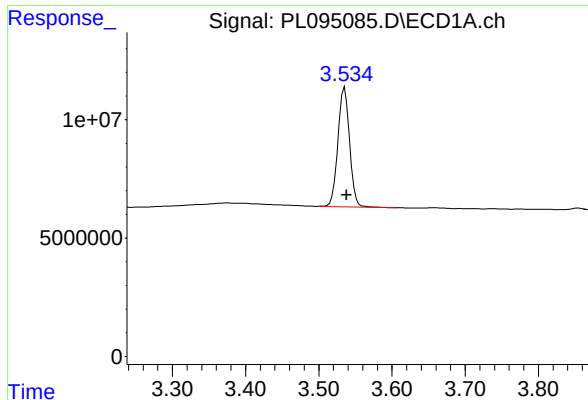
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 22:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:24:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

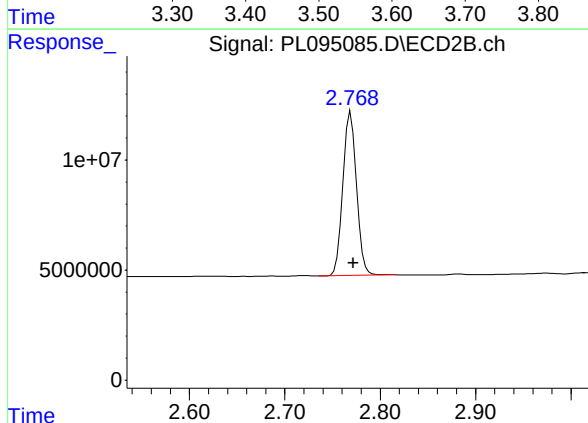




#1 Tetrachloro-m-xylene

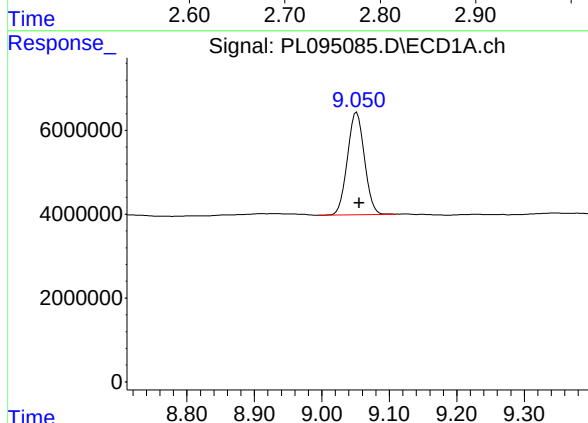
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 55857455
Conc: 19.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



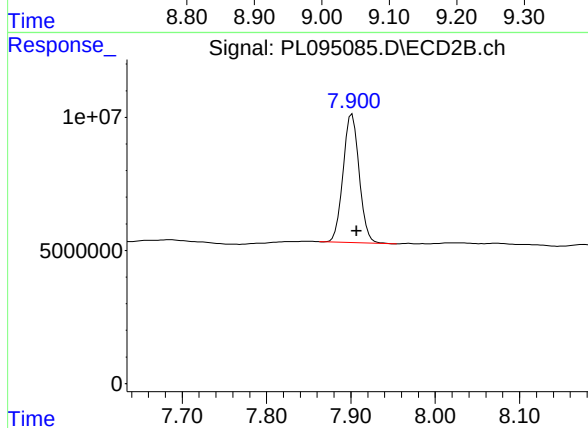
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 73900457
Conc: 20.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 42994197
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 64028988
Conc: 15.85 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/08/25
Project:	Raymark Superfund Site	Date Received:	04/08/25
Client Sample ID:	PIBLK-PL095095.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095095.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
PL095095.D	1		04/08/25	pl040825

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	21.2		30 - 135		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		44 - 124		94%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/08/25	
Project:	Raymark Superfund Site		Date Received:	04/08/25	
Client Sample ID:	PIBLK-PL095095.D		SDG No.:	Q1730	
Lab Sample ID:	I.BLK-PL095095.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
PL095095.D	1		04/08/25	pl040825

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\PL040825\
Data File : PL095095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:35
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 08 22:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	51877562	66791287	18.327	18.713
28) SA Decachlor...	9.052	7.901	44728928	76798250	21.224	19.012

Target Compounds

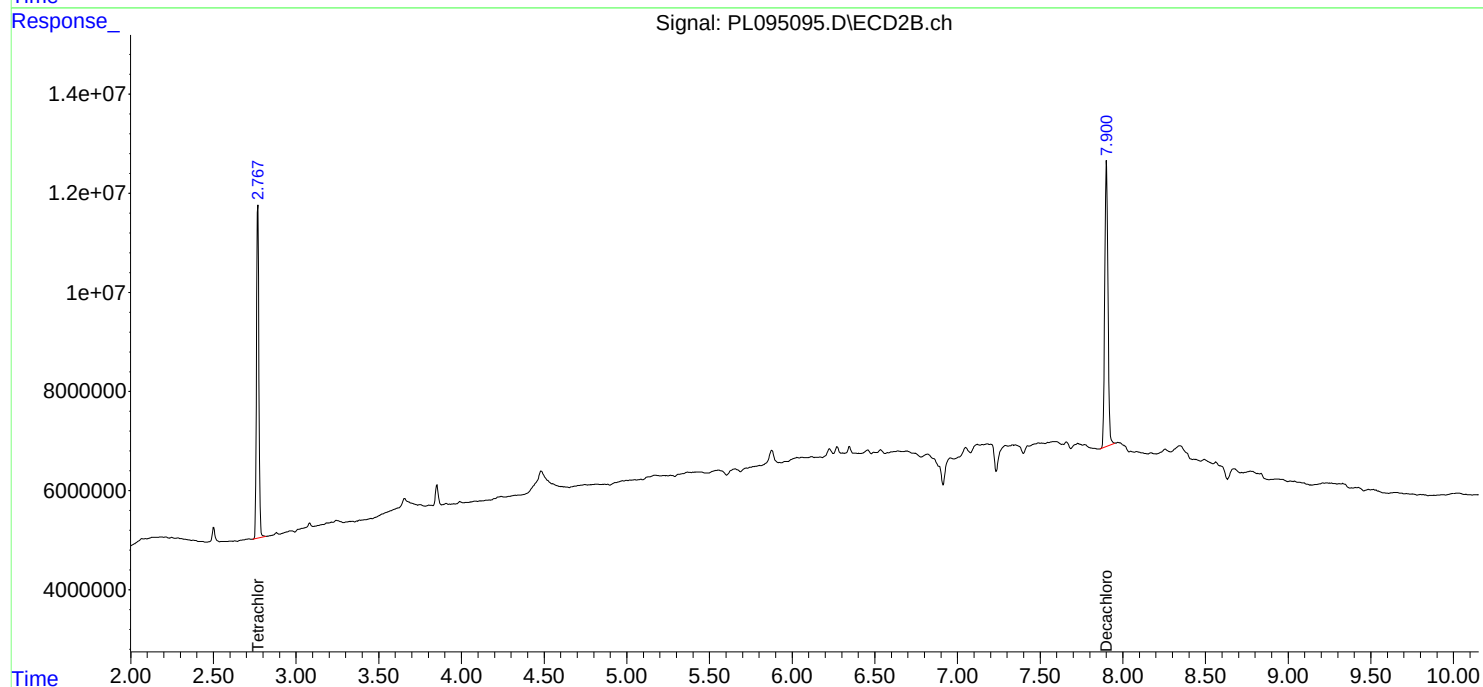
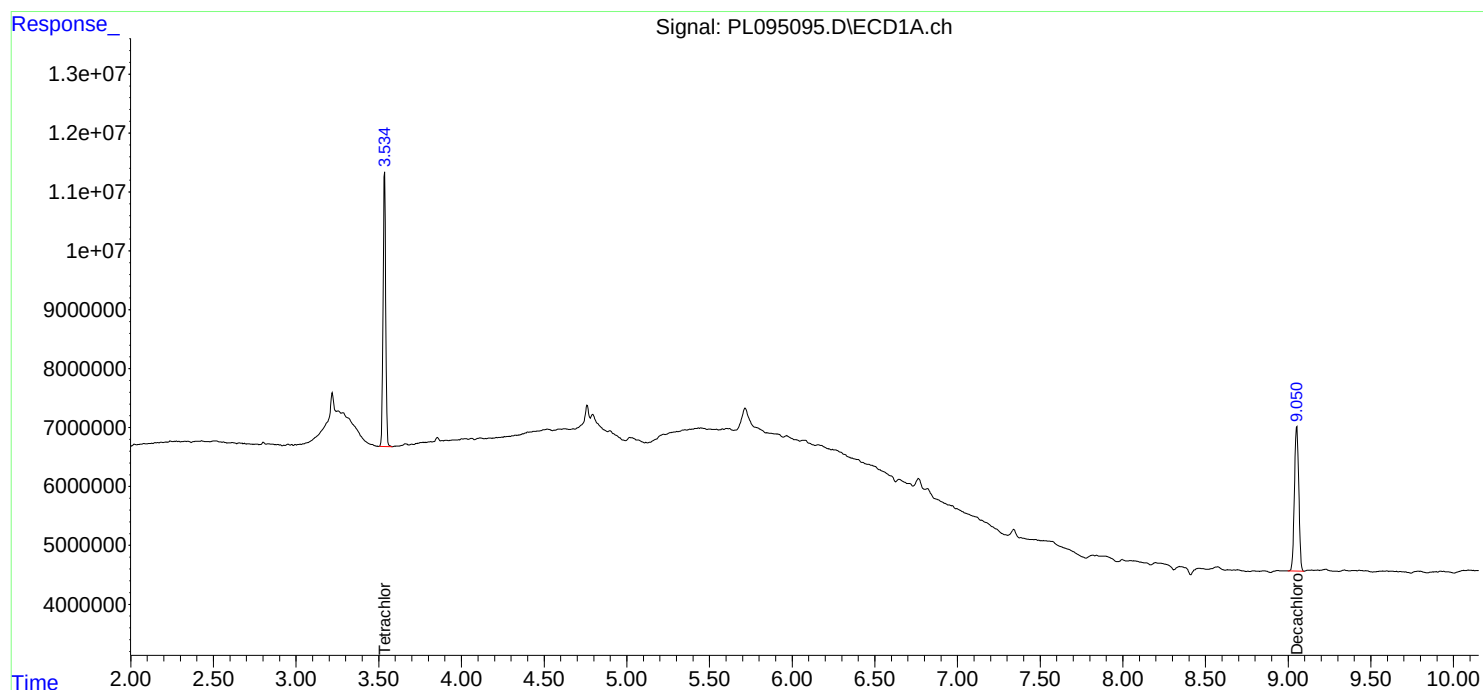
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

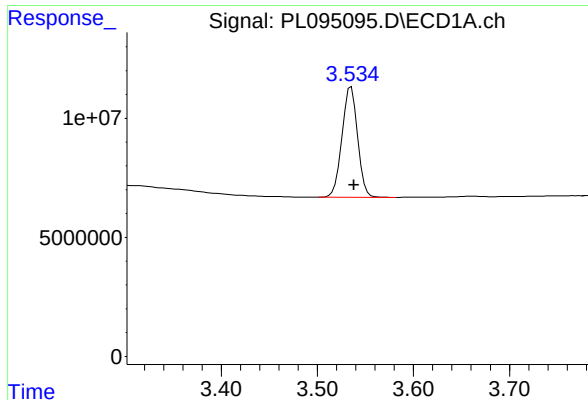
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

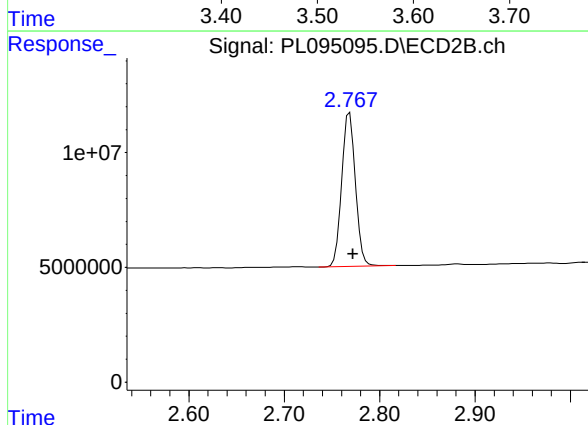




#1 Tetrachloro-m-xylene

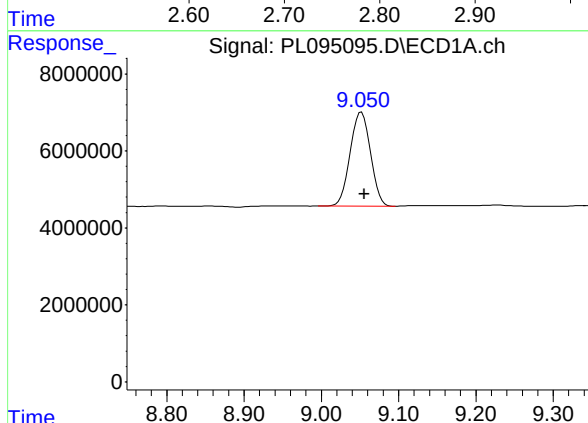
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 51877562
Conc: 18.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



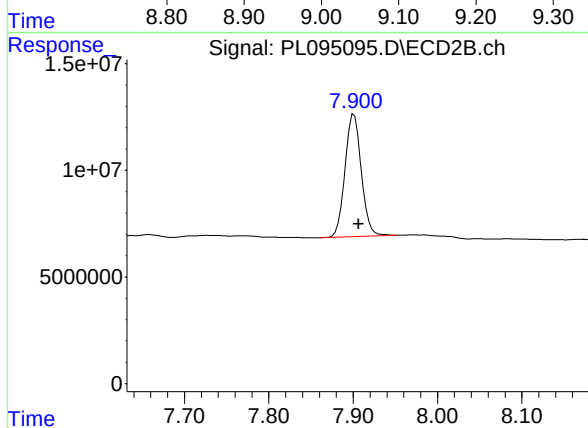
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.003 min
Response: 66791287
Conc: 18.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 44728928
Conc: 21.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 76798250
Conc: 19.01 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/08/25
Project:	Raymark Superfund Site	Date Received:	04/08/25
Client Sample ID:	PIBLK-PL095110.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095110.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
PL095110.D	1		04/08/25	pl040825

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	22.3		30 - 135		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		44 - 124		98%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/08/25
Project:	Raymark Superfund Site	Date Received:	04/08/25
Client Sample ID:	PIBLK-PL095110.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095110.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
PL095110.D	1		04/08/25	pl040825

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\PL040825\
Data File : PL095110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:39
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 08 22:42:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.768	54050501	70154132	19.095	19.655
28) SA Decachlor...	9.051	7.901	47084546	80989430	22.342	20.050

Target Compounds

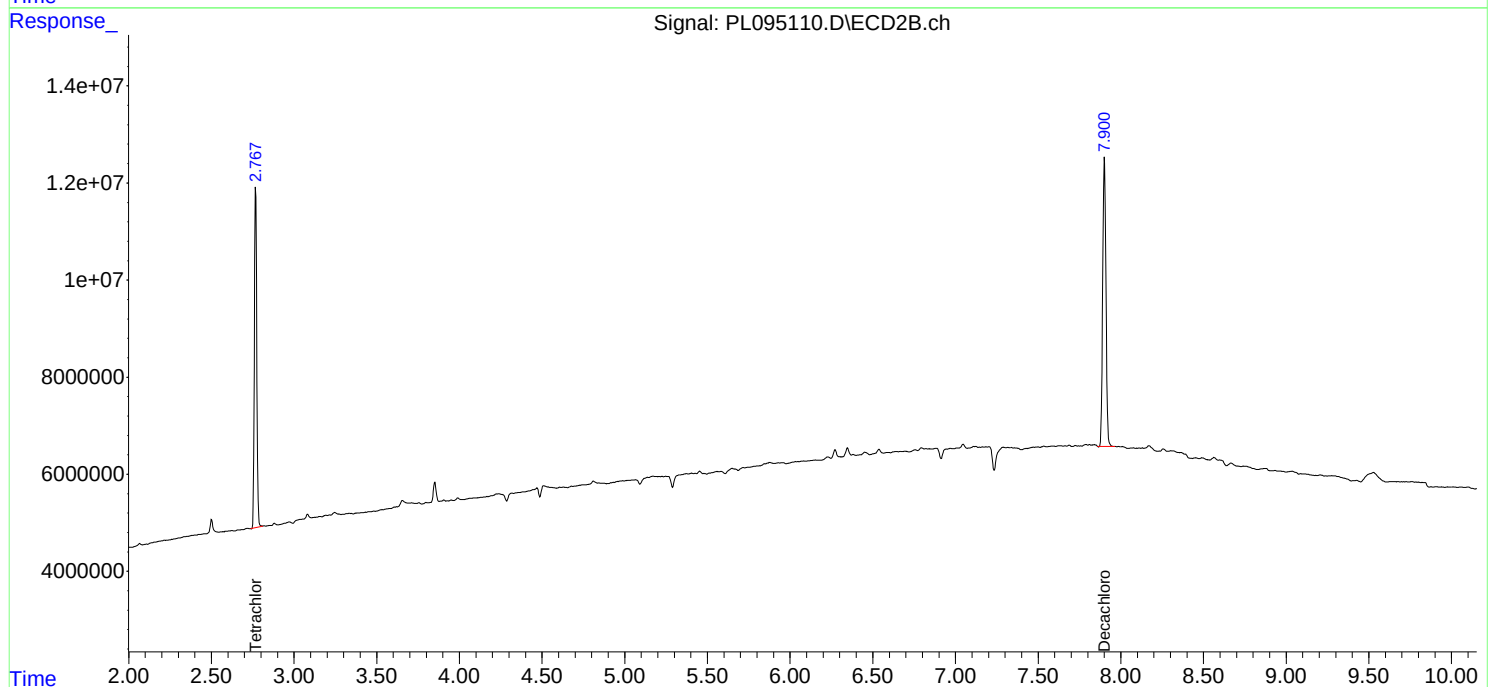
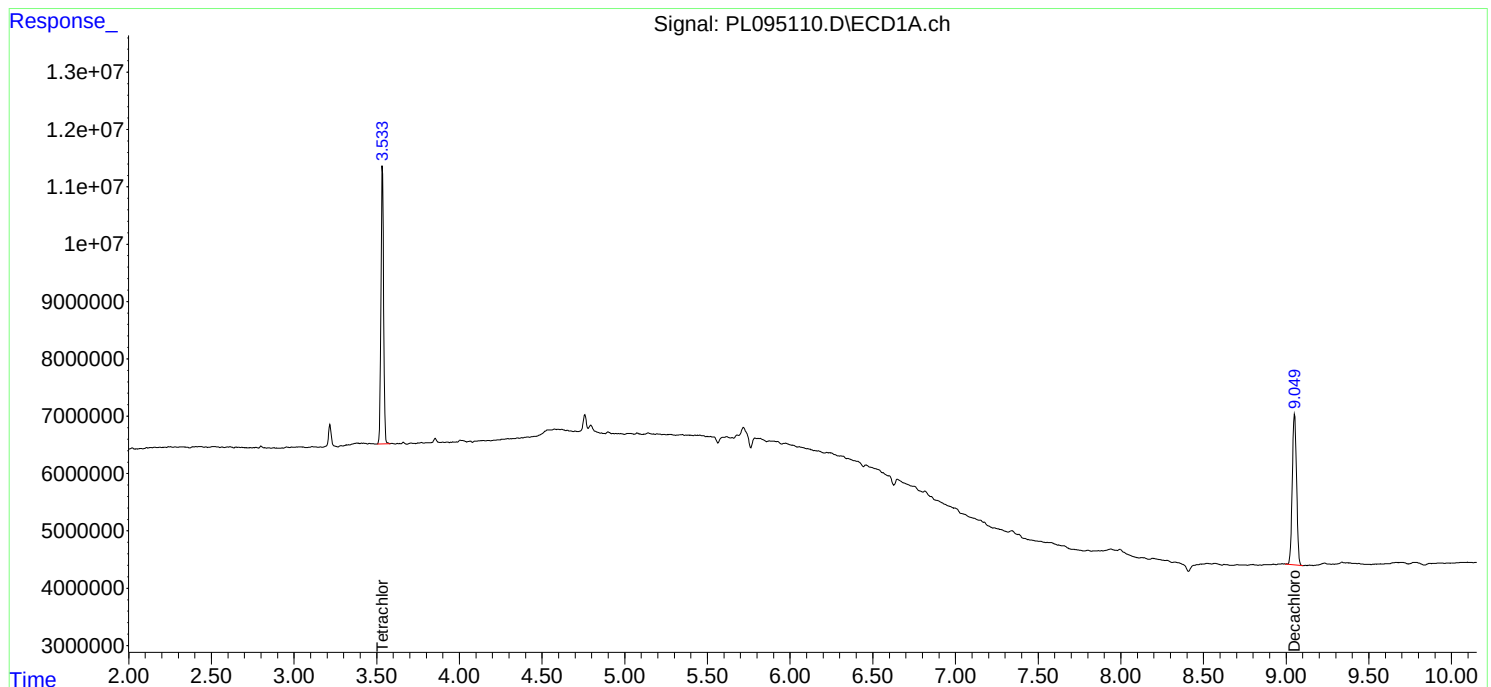
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

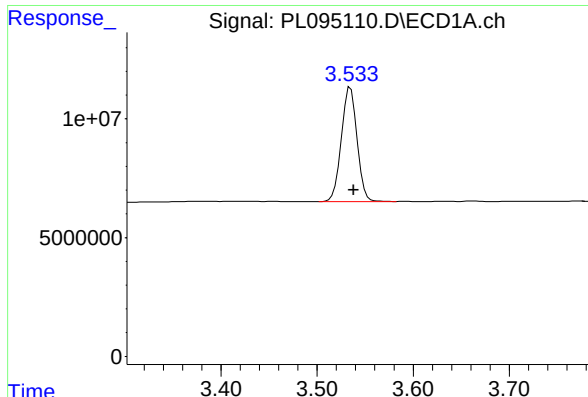
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:42:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

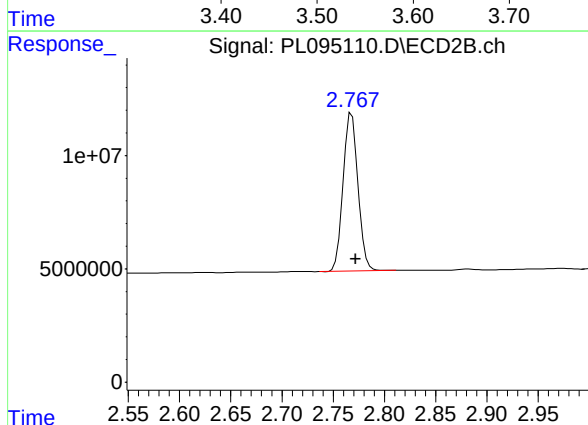




#1 Tetrachloro-m-xylene

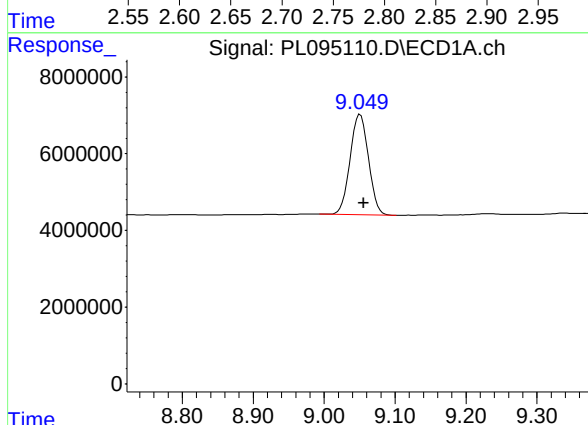
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54050501
Conc: 19.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



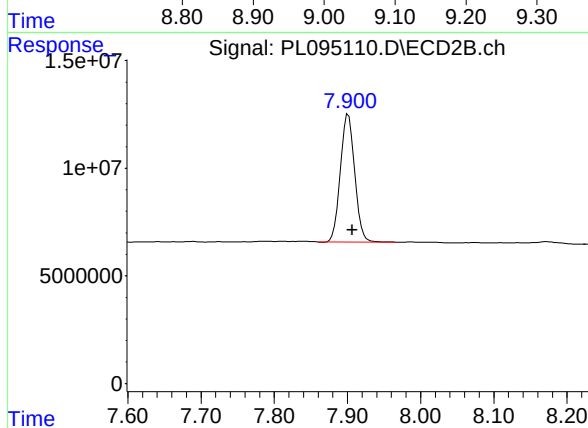
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 70154132
Conc: 19.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 47084546
Conc: 22.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 80989430
Conc: 20.05 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/09/25
Project:	Raymark Superfund Site	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095127.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095127.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
PL095127.D	1		04/09/25	pl040925

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	23.3		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		44 - 124		105%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/09/25	
Project:	Raymark Superfund Site		Date Received:	04/09/25	
Client Sample ID:	PIBLK-PL095127.D		SDG No.:	Q1730	
Lab Sample ID:	I.BLK-PL095127.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
PL095127.D	1		04/09/25	pl040925

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\PL040925\
Data File : PL095127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:29
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 10 01:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.770	57054600	74842590	20.156	20.969
28) SA Decachlor...	9.053	7.901	49095093	86257187	23.296	21.354

Target Compounds

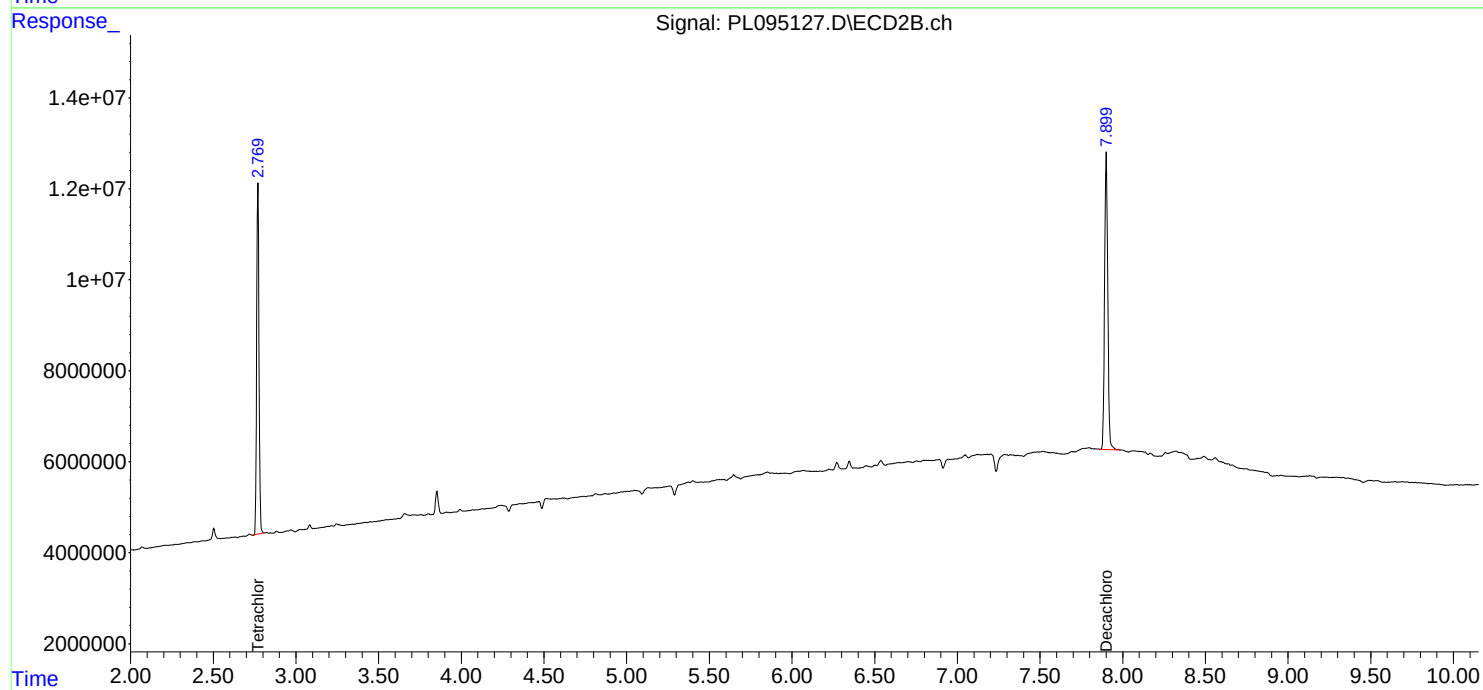
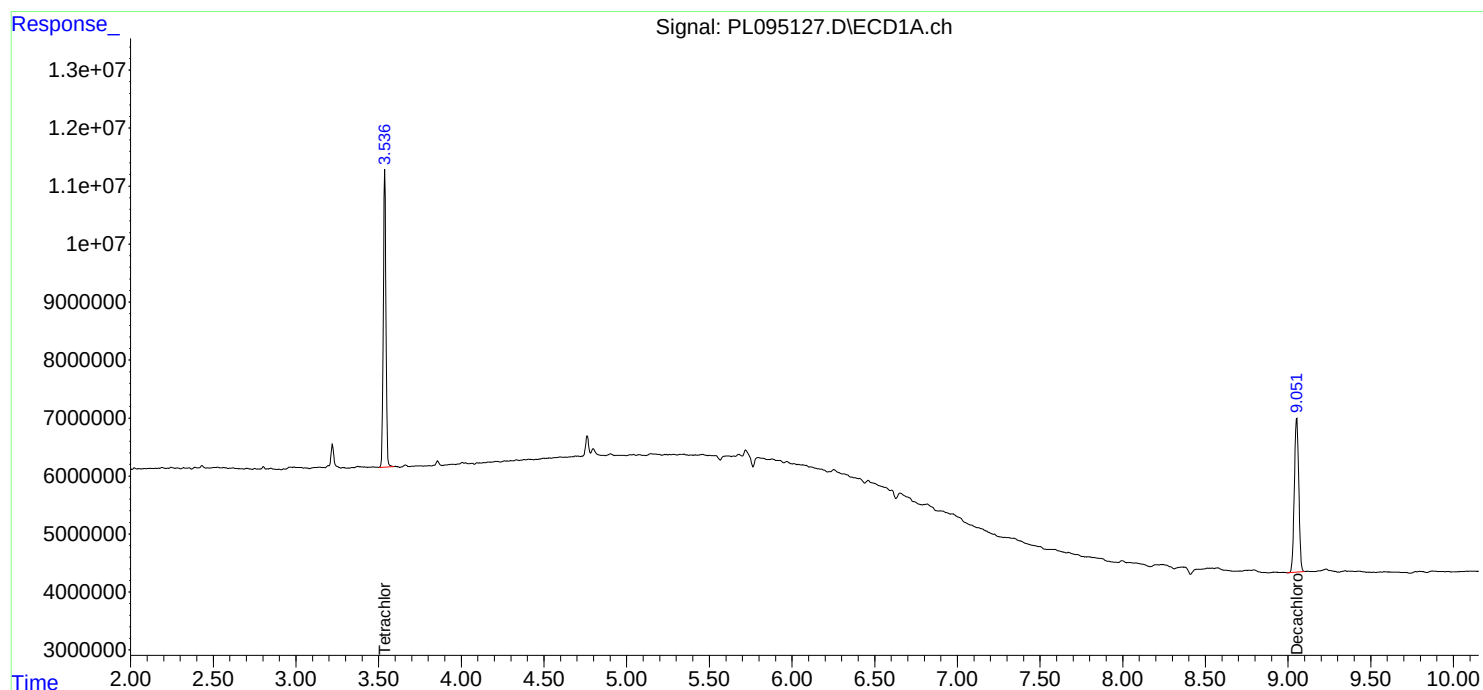
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

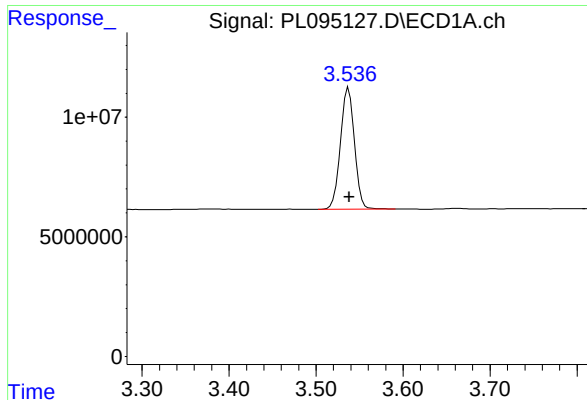
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

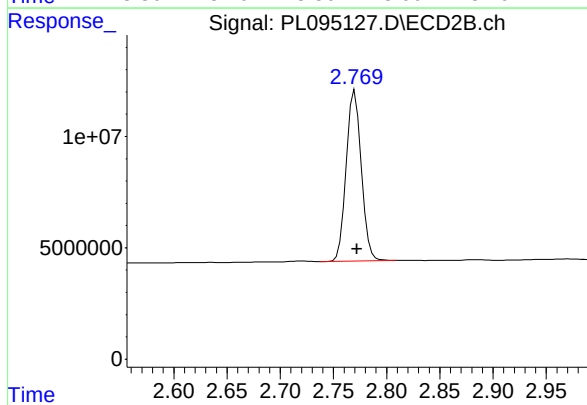




#1 Tetrachloro-m-xylene

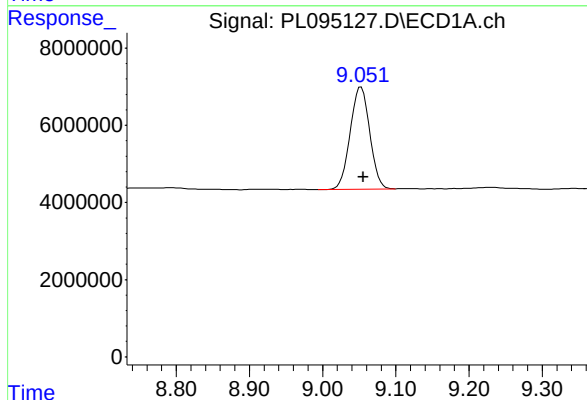
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 57054600
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



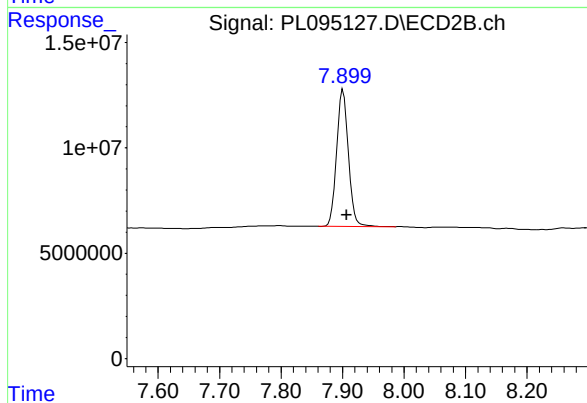
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 74842590
Conc: 20.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 49095093
Conc: 23.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 86257187
Conc: 21.35 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/09/25
Project:	Raymark Superfund Site	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095137.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095137.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
PL095137.D	1		04/09/25	pl040925

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	20.9		30 - 135		105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		44 - 124		102%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/09/25
Project:	Raymark Superfund Site	Date Received:	04/09/25
Client Sample ID:	PIBLK-PL095137.D	SDG No.:	Q1730
Lab Sample ID:	I.BLK-PL095137.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
PL095137.D	1		04/09/25	pl040925

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\PL040925\
Data File : PL095137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:36
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 10 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	54177696	72945703	19.140	20.437
28) SA Decachlor...	9.047	7.898	44132122	67760179	20.941	16.775

Target Compounds

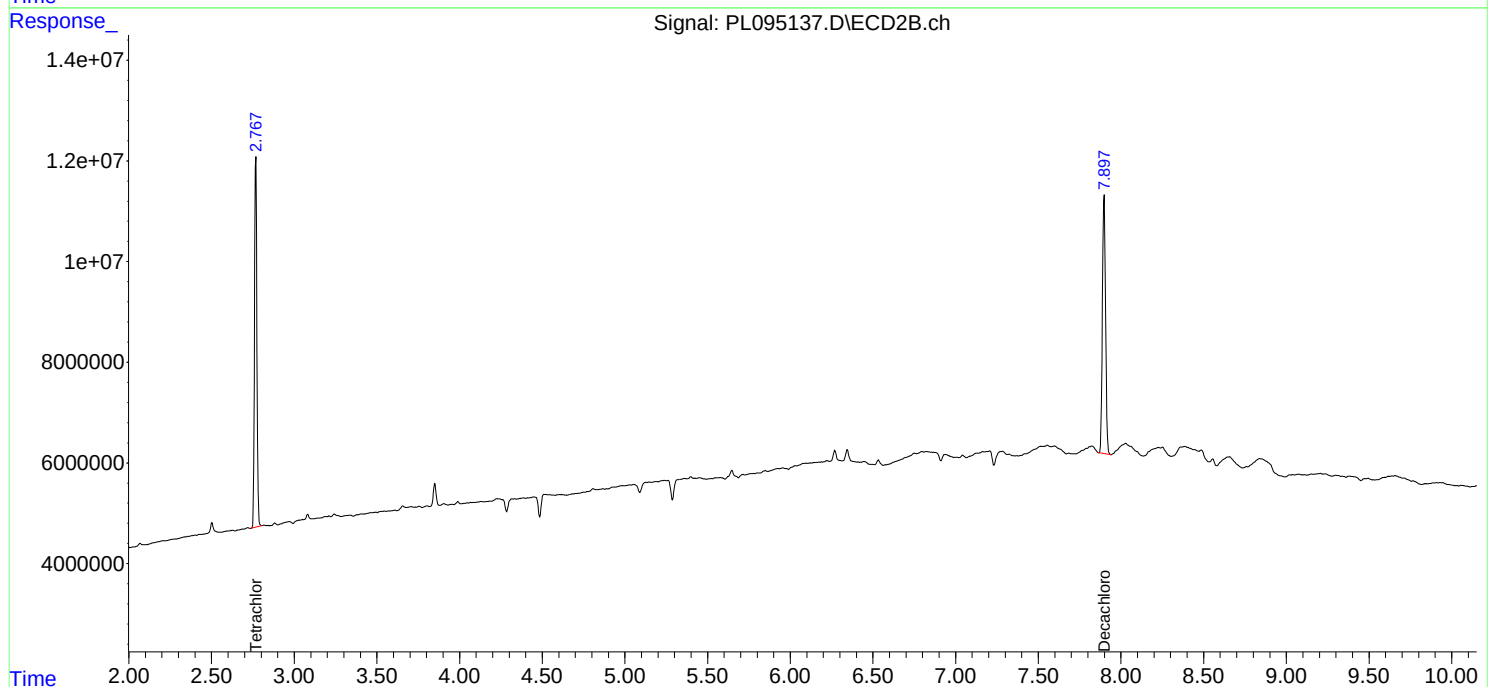
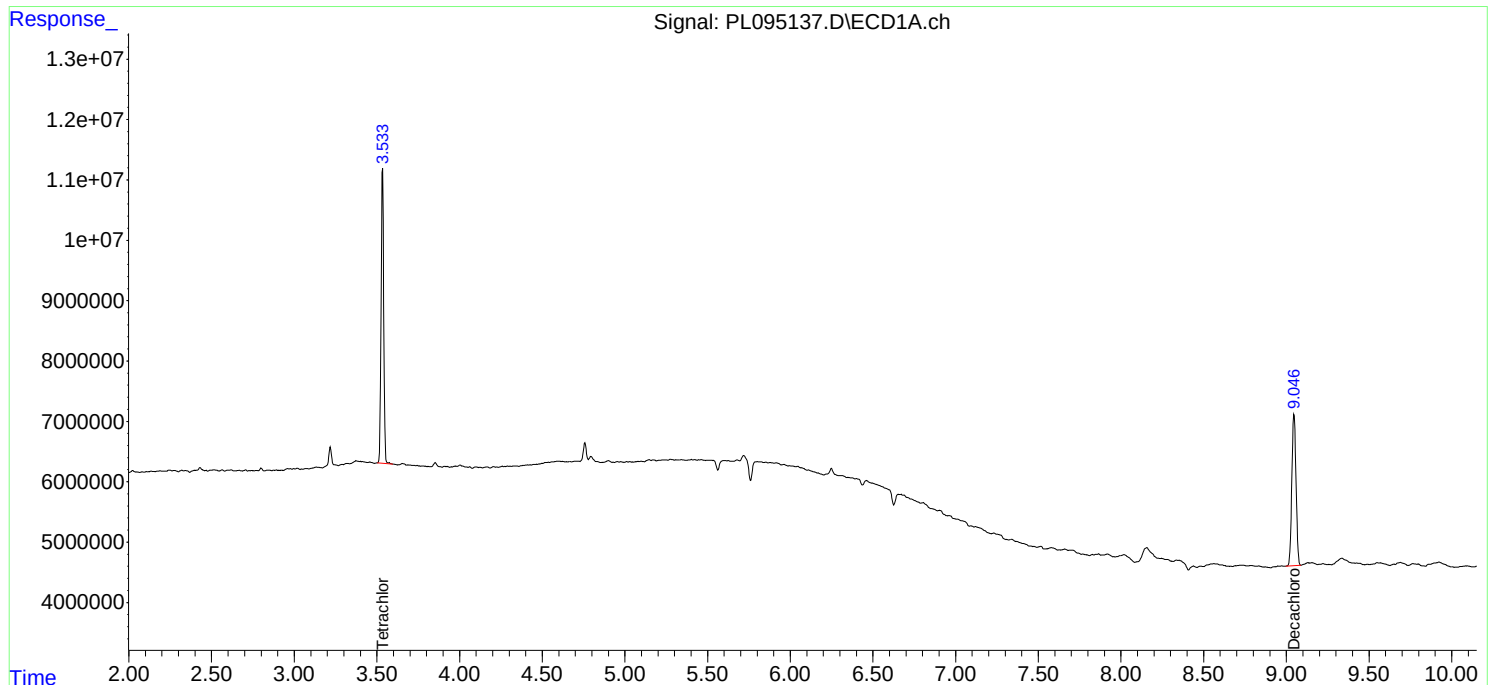
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

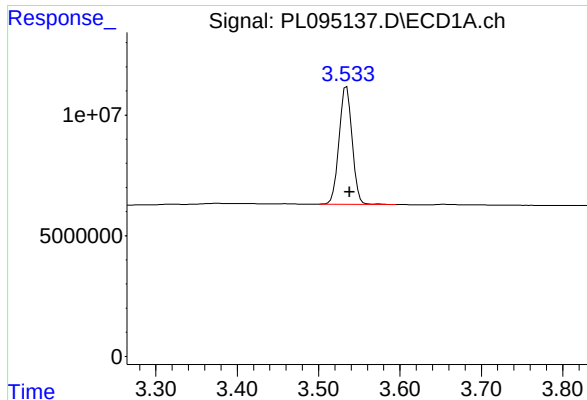
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:24:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

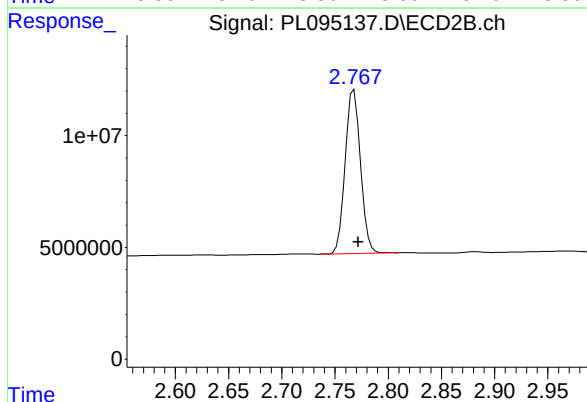




#1 Tetrachloro-m-xylene

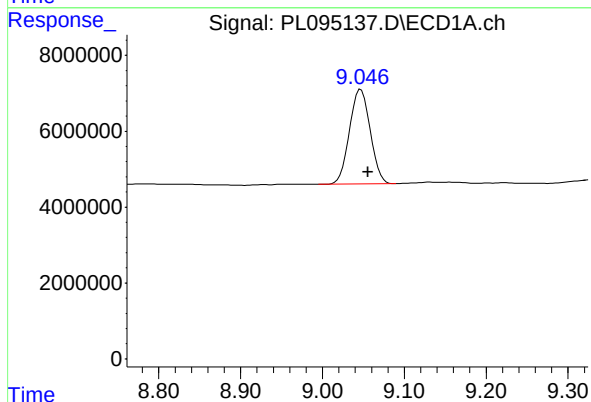
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 54177696
Conc: 19.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



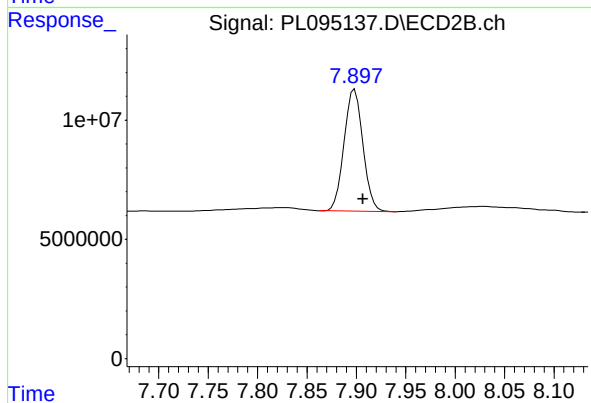
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 72945703
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.009 min
Response: 44132122
Conc: 20.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.898 min
Delta R.T.: -0.009 min
Response: 67760179
Conc: 16.77 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB167473BS	SDG No.:	Q1730
Lab Sample ID:	PB167473BS	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
PL095130.D	1	04/07/25 08:20	04/09/25 11:03	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		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	0.016		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.016		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.016		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.016		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.016		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.016		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.017		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.016		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.016		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.018		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.017		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.017		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.017		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.016		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.016		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.016		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	24.4		55 - 130		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		42 - 129		113%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB167473BS		SDG No.:	Q1730	
Lab Sample ID:	PB167473BS		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
PL095130.D	1	04/07/25 08:20	04/09/25 11:03	PB167473

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\PL040925\
 Data File : PL095130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 11:03
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167473BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.767	60446230	80871246	21.354	22.658
28) SA Decachlor...	9.055	7.900	51398863	95358492	24.389	23.607
Target Compounds						
2) A alpha-BHC	3.996	3.269	182.1E6	282.4E6	43.860	52.385
3) MA gamma-BHC...	4.328	3.599	173.3E6	261.2E6	43.436	50.816
4) MA Heptachlor	4.915	3.937	163.5E6	251.9E6	42.123	47.820
5) MB Aldrin	5.257	4.215	155.4E6	232.0E6	42.100	47.582
6) B beta-BHC	4.527	3.900	78258833	112.8E6	42.412	50.798
7) B delta-BHC	4.775	4.128	178.4E6	245.1E6	45.810	48.992
8) B Heptachlo...	5.684	4.718	143.6E6	219.7E6	42.923	47.974
9) A Endosulfan I	6.069	5.088	137.4E6	210.9E6	44.743	48.047
10) B gamma-Chl...	5.940	4.968	147.9E6	230.1E6	43.887	47.650
11) B alpha-Chl...	6.019	5.032	146.2E6	226.3E6	44.340	47.418
12) B 4,4'-DDE	6.193	5.220	145.3E6	229.9E6	49.386	49.465
13) MA Dieldrin	6.344	5.352	145.2E6	230.8E6	45.408	47.567
14) MA Endrin	6.574	5.627	116.4E6	206.8E6	41.983	47.389
15) B Endosulfa...	6.795	5.922	127.1E6	211.1E6	46.825	48.779
16) A 4,4'-DDD	6.710	5.776	114.3E6	190.7E6	52.785	53.027
17) MA 4,4'-DDT	7.024	6.025	114.8E6	201.1E6	48.275	49.883
18) B Endrin al...	6.924	6.103	98352708	164.5E6	46.591	48.887
19) B Endosulfa...	7.159	6.325	113.0E6	205.0E6	46.468	50.331
20) A Methoxychlor	7.501	6.601	60152579	108.2E6	50.250	51.031
21) B Endrin ke...	7.644	6.829	127.2E6	242.6E6	48.111	50.831m
22) Mirex	8.116	7.008	93080921	183.6E6	45.047	48.363m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 11:03
Operator : AR\AJ
Sample : PB167473BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167473BS

Manual Integrations

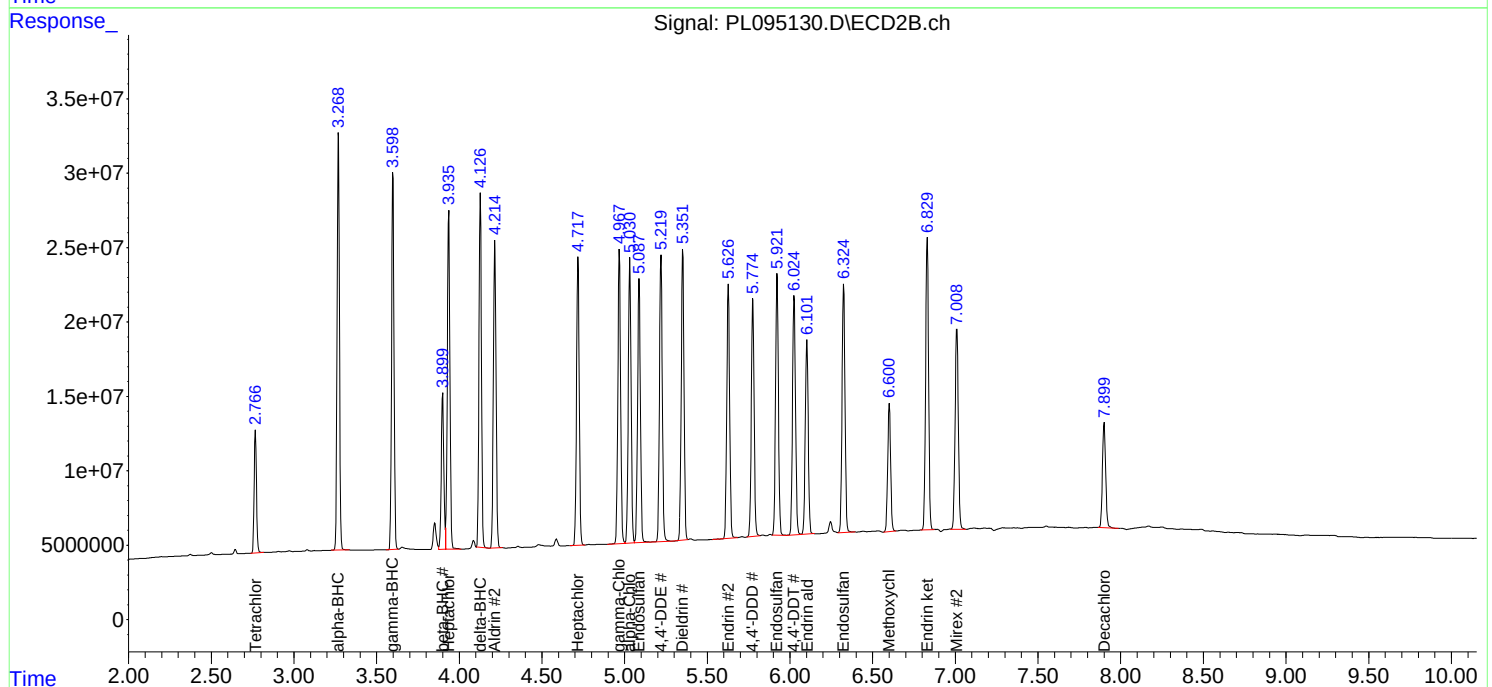
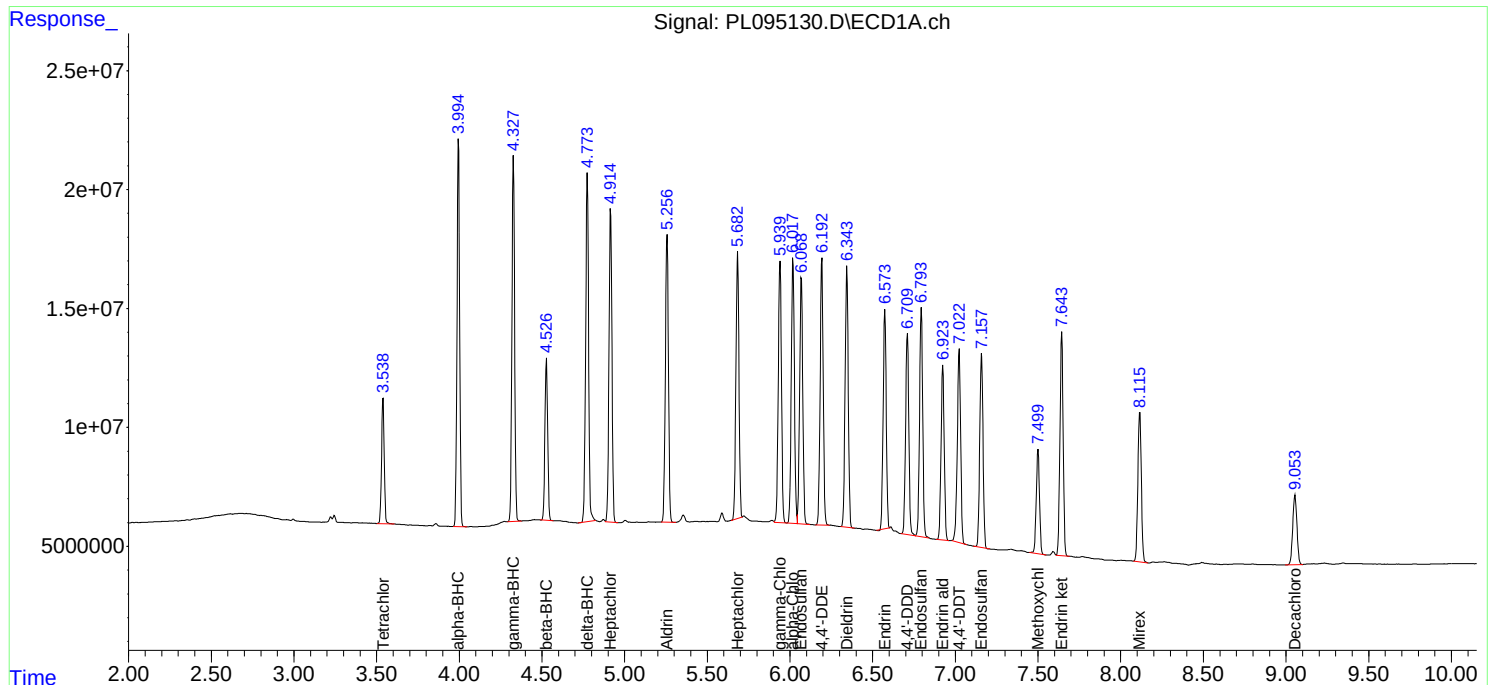
APPROVED

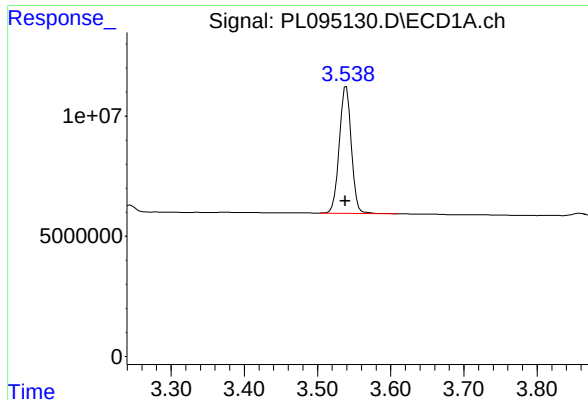
Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 60446230
Conc: 21.35 ng/ml

Instrument :

ECD_L

ClientSampleId :

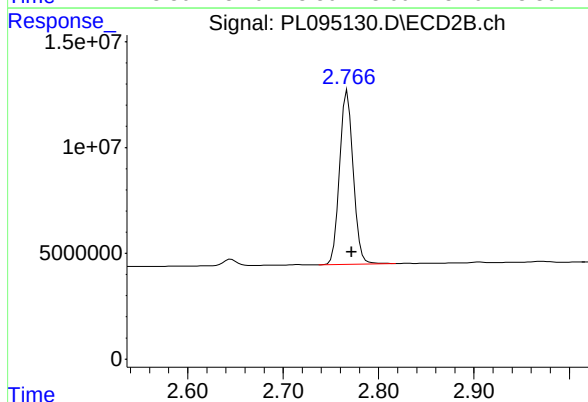
PB167473BS

Manual Integrations

APPROVED

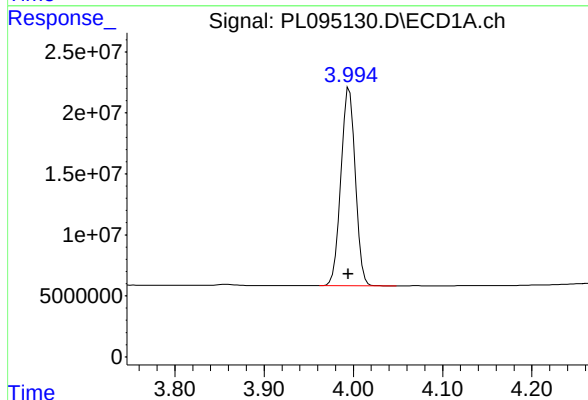
Reviewed By :Abdul Mirza 04/10/2025

Supervised By :mohammad ahmed 04/11/2025



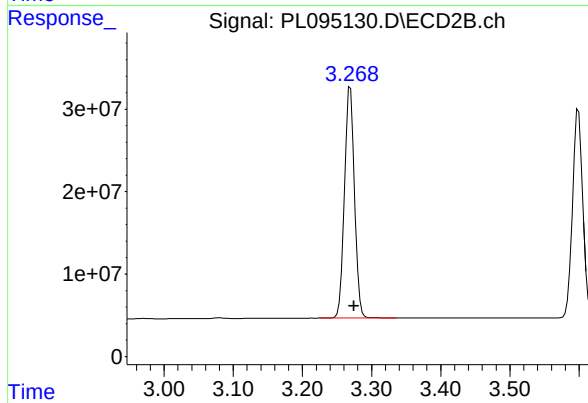
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: -0.005 min
Response: 80871246
Conc: 22.66 ng/ml



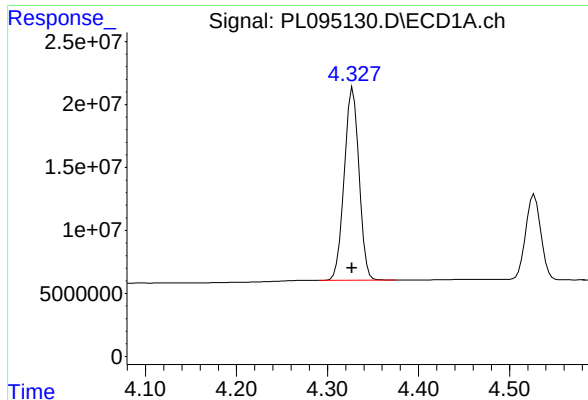
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 182121395
Conc: 43.86 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 282427718
Conc: 52.39 ng/ml



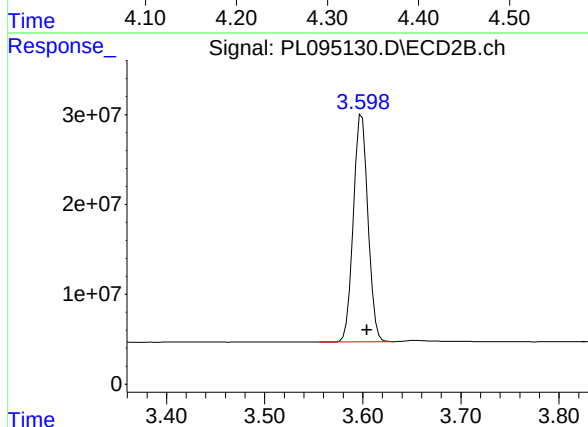
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 173319763
Conc: 43.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

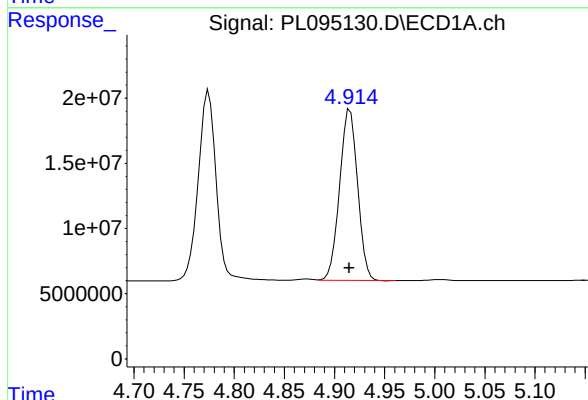
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



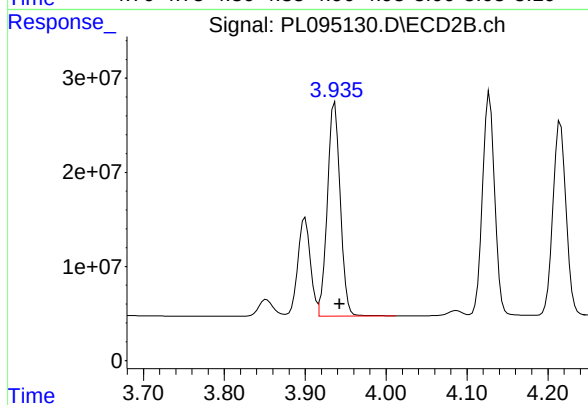
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 261165774
Conc: 50.82 ng/ml



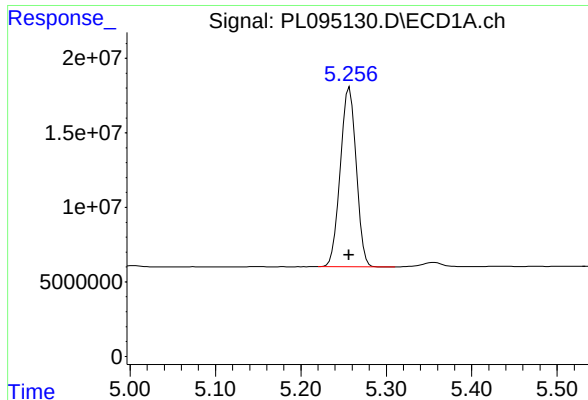
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 163506827
Conc: 42.12 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 251945154
Conc: 47.82 ng/ml



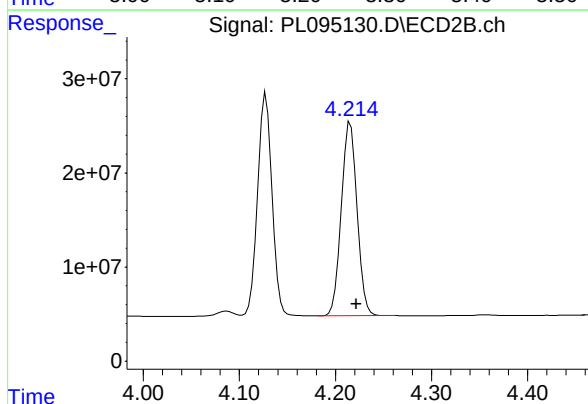
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 155444110
Conc: 42.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

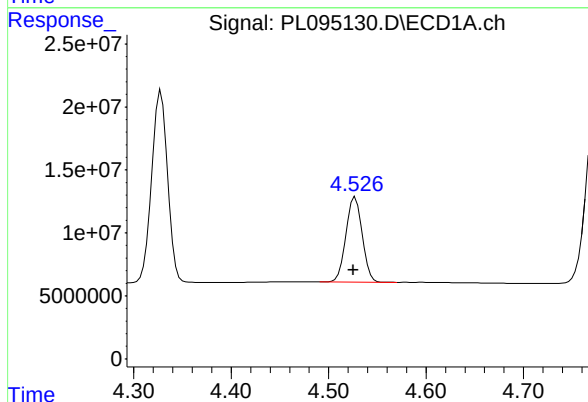
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



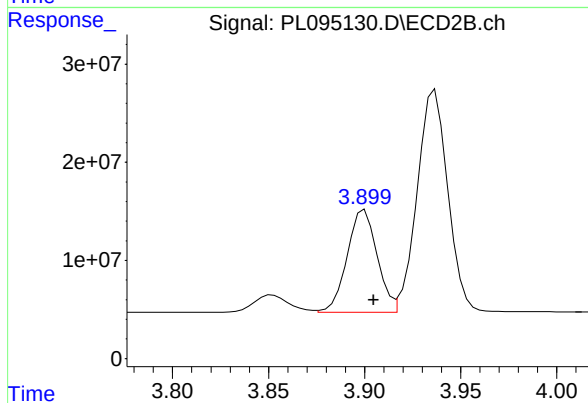
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.006 min
Response: 232026055
Conc: 47.58 ng/ml



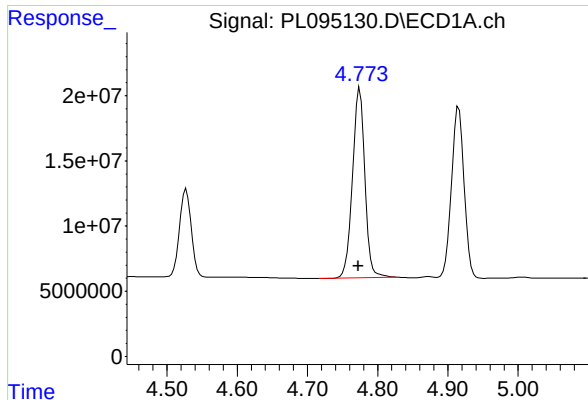
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 78258833
Conc: 42.41 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 112837360
Conc: 50.80 ng/ml



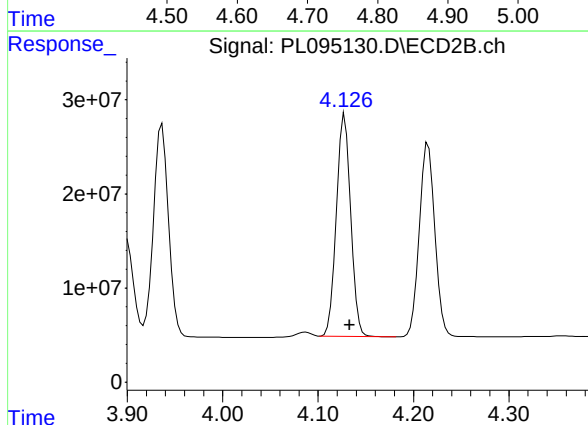
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 178397216
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

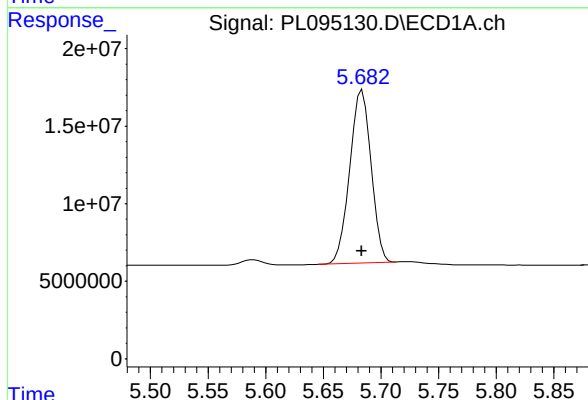
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



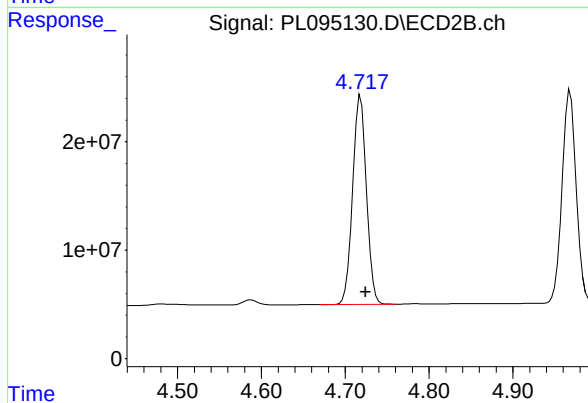
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 245059085
Conc: 48.99 ng/ml



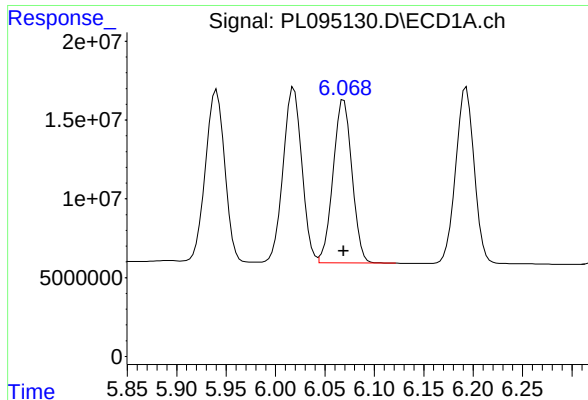
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 143585683
Conc: 42.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 219654229
Conc: 47.97 ng/ml



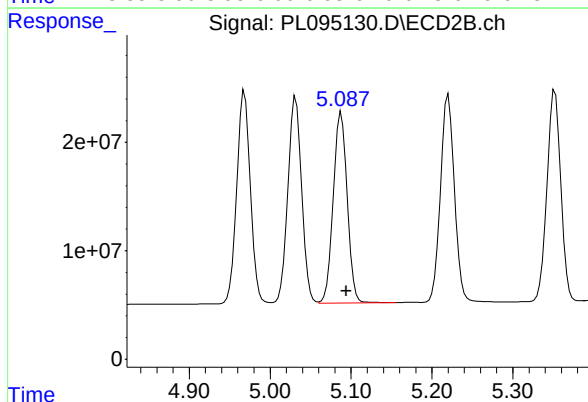
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 137369901
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

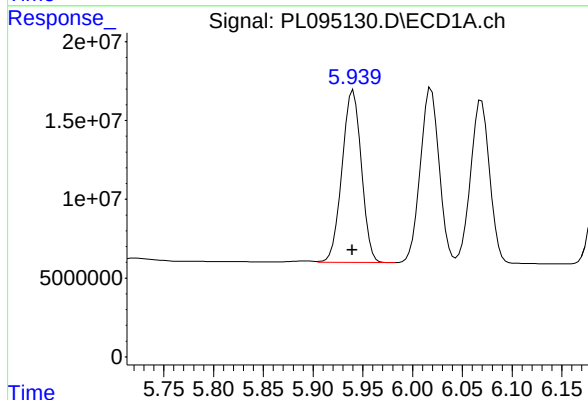
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



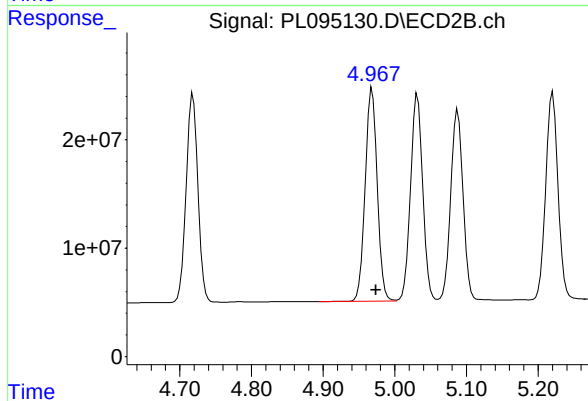
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 210865700
Conc: 48.05 ng/ml



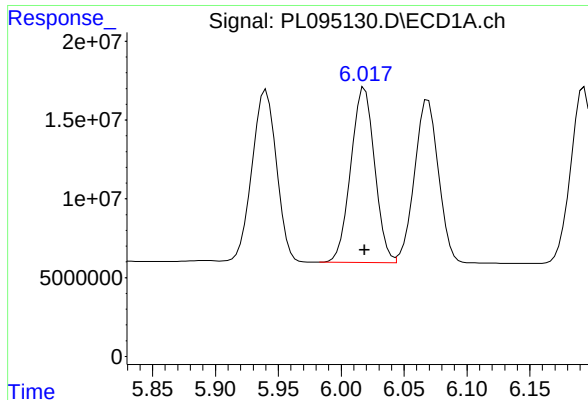
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 147870510
Conc: 43.89 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 230073310
Conc: 47.65 ng/ml



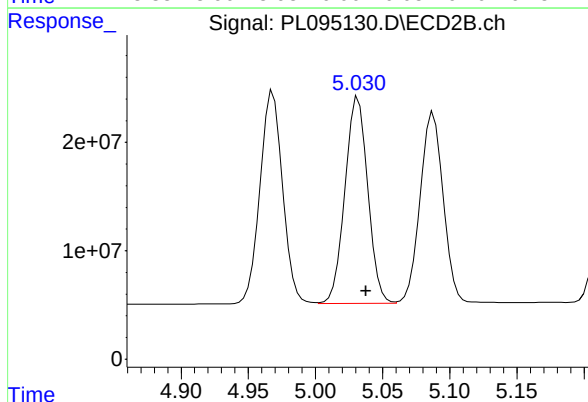
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 146181350
Conc: 44.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

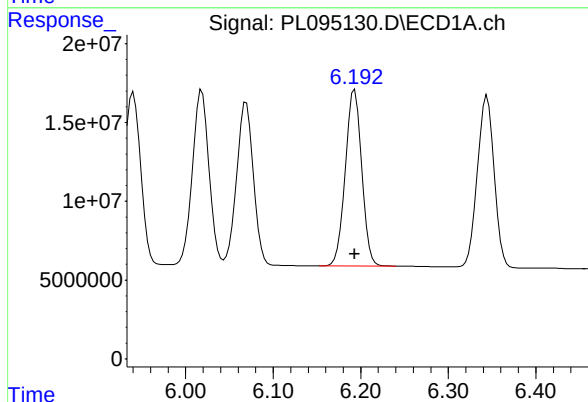
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



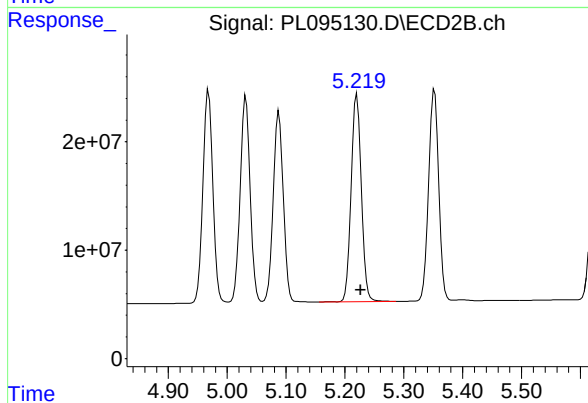
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 226313744
Conc: 47.42 ng/ml



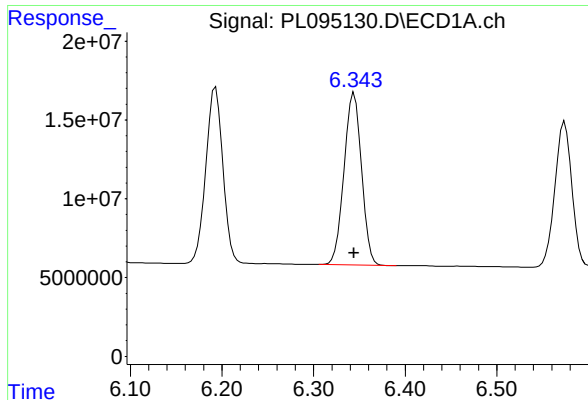
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 145296863
Conc: 49.39 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 229937707
Conc: 49.46 ng/ml



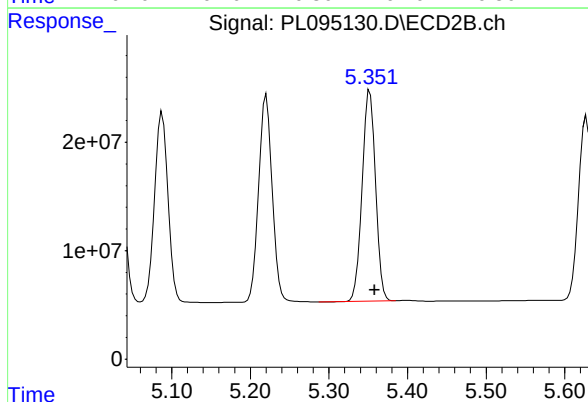
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 14522249
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

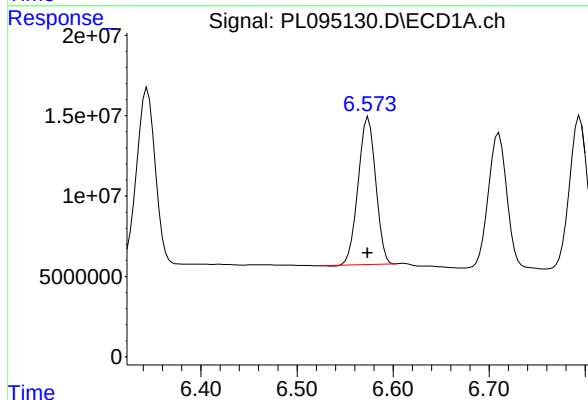
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



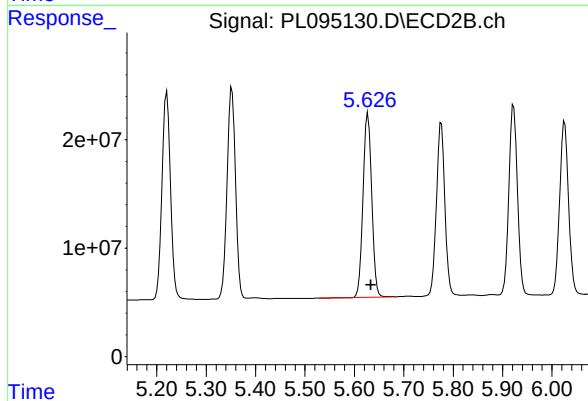
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 230788342
Conc: 47.57 ng/ml



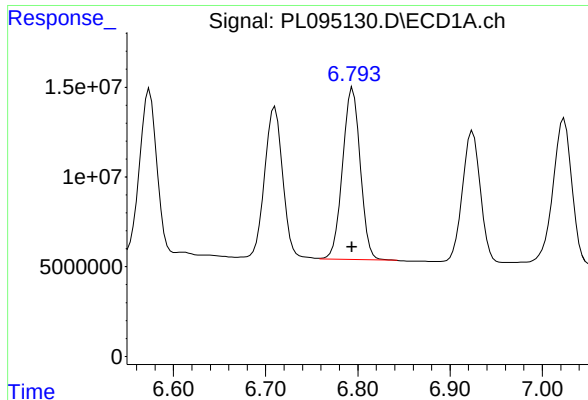
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 116380695
Conc: 41.98 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 206790124
Conc: 47.39 ng/ml



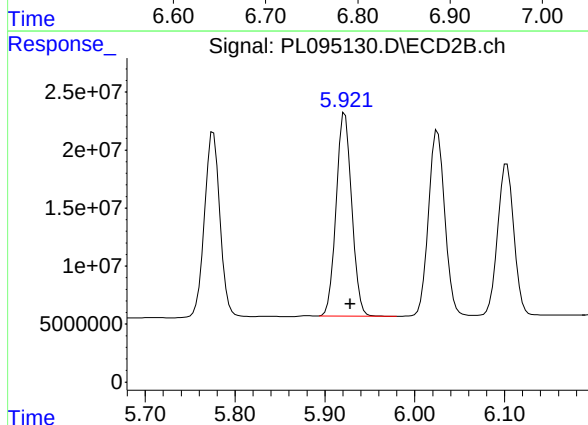
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 127116600
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

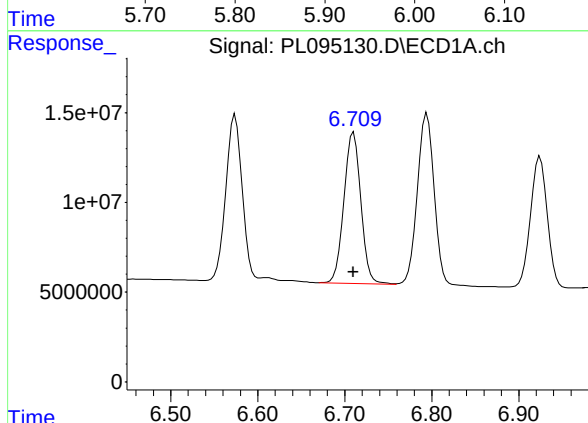
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



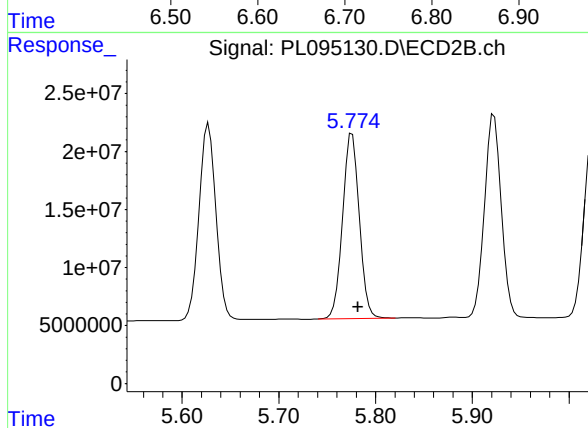
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.006 min
Response: 211129878
Conc: 48.78 ng/ml



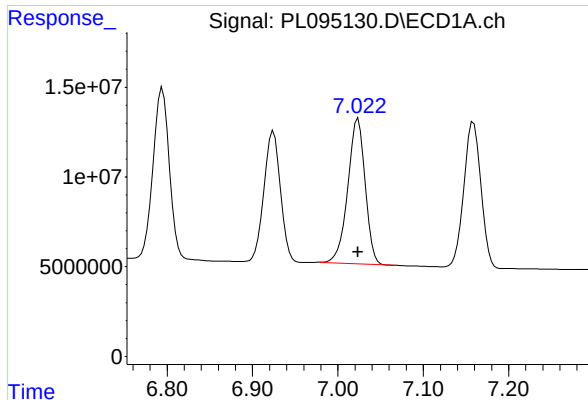
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 114336132
Conc: 52.79 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 190679672
Conc: 53.03 ng/ml



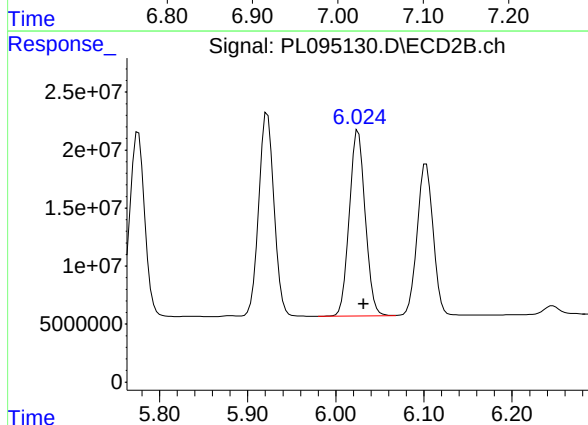
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114824949
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

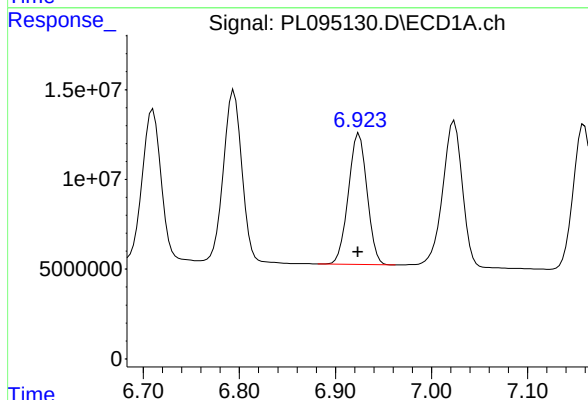
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



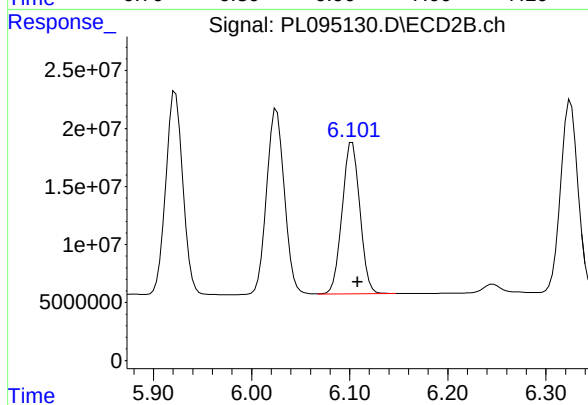
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 201134202
Conc: 49.88 ng/ml



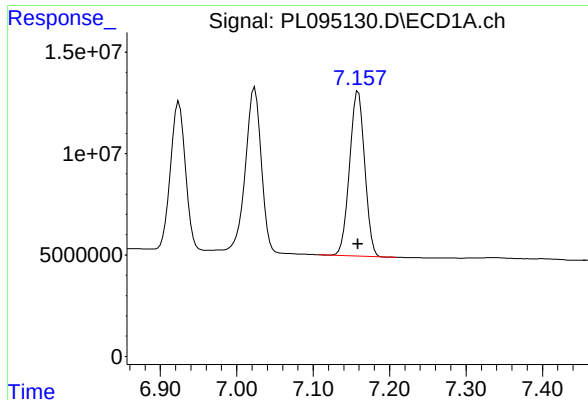
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 98352708
Conc: 46.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 164522360
Conc: 48.89 ng/ml



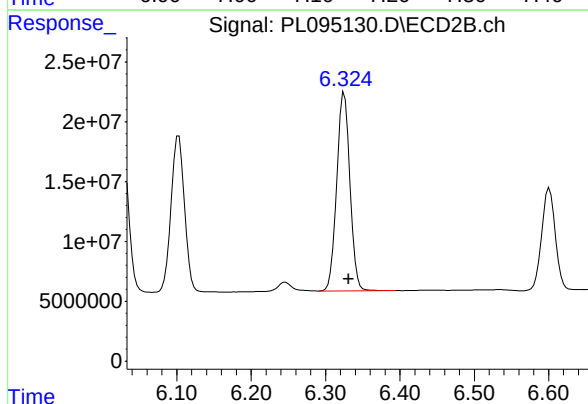
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 113011115
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

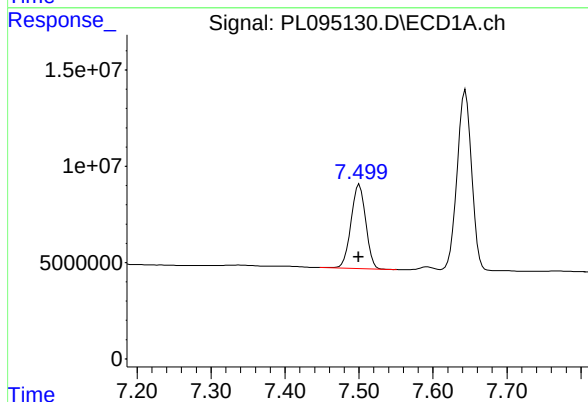
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



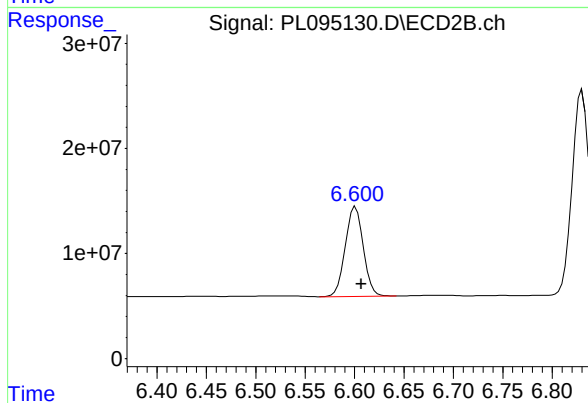
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 205019374
Conc: 50.33 ng/ml



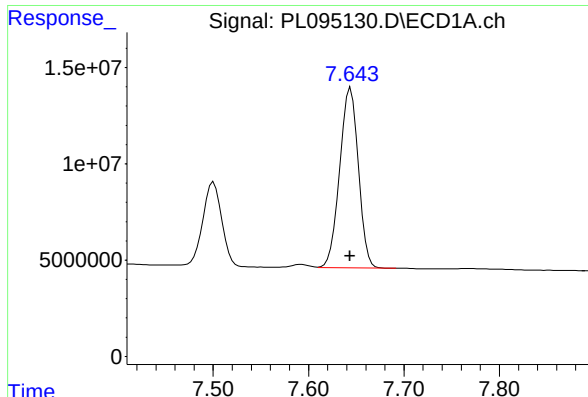
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 60152579
Conc: 50.25 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 108240824
Conc: 51.03 ng/ml



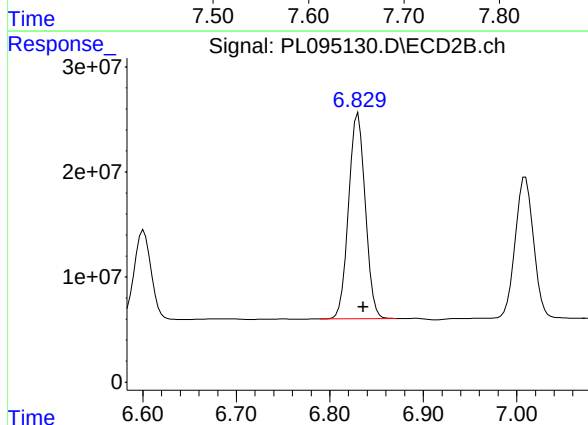
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 127169570
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



#21 Endrin ketone

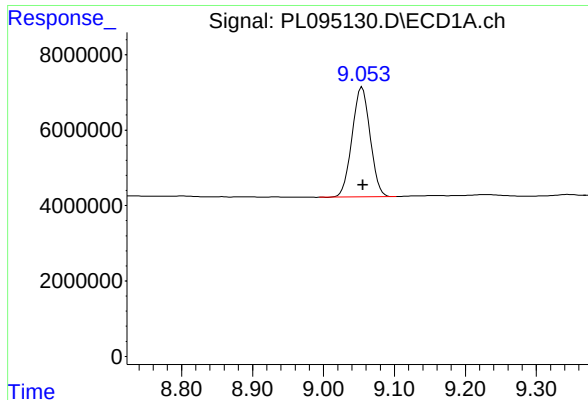
R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 242596824
Conc: 50.83 ng/ml m

#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 93080921
Conc: 45.05 ng/ml

#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 183551555
Conc: 48.36 ng/ml m



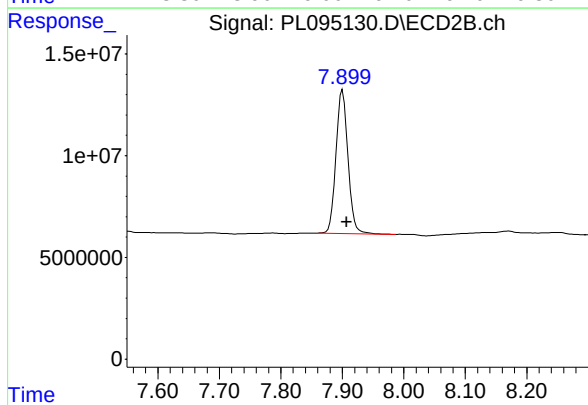
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 51398863
Conc: 24.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/10/2025
Supervised By :mohammad ahmed 04/11/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 95358492
Conc: 23.61 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325MS	SDG No.:	Q1730
Lab Sample ID:	Q1730-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.9 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
PL095105.D	1	04/07/25 08:20	04/08/25 13:30	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00013	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.017		0.00019	0.00086	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00040	0.00086	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00014	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.016		0.00012	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.016		0.00012	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.016		0.00020	0.00086	0.0018	mg/Kg
959-98-8	Endosulfan I	0.016		0.00014	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.017		0.00014	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.017		0.00014	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00030	0.00086	0.0018	mg/Kg
72-54-8	4,4-DDD	0.019		0.00015	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00013	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.018		0.00014	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.019		0.00038	0.00086	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00020	0.00086	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00038	0.00086	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.016		0.00012	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.017		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	19.5		55 - 130		98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		42 - 129		86%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	04/03/25	
Project:	Raymark Superfund Site		Date Received:	04/04/25	
Client Sample ID:	OU4-VSL-15-040325MS		SDG No.:	Q1730	
Lab Sample ID:	Q1730-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	96.9	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
PL095105.D	1	04/07/25 08:20	04/08/25 13:30	PB167473

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\PL040825\
 Data File : PL095105.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 13:30
 Operator : AR\AJ
 Sample : Q1730-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-15-040325MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/09/2025
 Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.533	2.768	47756695	61086936	16.871m	17.115
28) SA Decachlor...	9.050	7.900	41113030	71161215	19.508	17.617
Target Compounds						
2) A alpha-BHC	3.991	3.269	185.9E6	275.4E6	44.762	51.082
3) MA gamma-BHC...	4.324	3.599	177.8E6	254.1E6	44.555	49.441
4) MA Heptachlor	4.911	3.936	172.1E6	252.1E6	44.345	47.845
5) MB Aldrin	5.253	4.215	164.5E6	231.7E6	44.559	47.514
6) B beta-BHC	4.523	3.899	82395706	110.5E6	44.654	49.744
7) B delta-BHC	4.769	4.127	173.6E6	233.4E6	44.584	46.667
8) B Heptachlo...	5.679	4.718	151.4E6	218.5E6	45.264	47.716
9) A Endosulfan I	6.065	5.088	146.9E6	205.9E6	47.834	46.918
10) B gamma-Chl...	5.936	4.968	156.6E6	231.8E6	46.487	48.001
11) B alpha-Chl...	6.015	5.031	156.2E6	227.2E6	47.378	47.600
12) B 4,4'-DDE	6.189	5.220	155.2E6	236.0E6	52.745	50.767
13) MA Dieldrin	6.340	5.350	156.0E6	231.1E6	48.776	47.633m
14) MA Endrin	6.569	5.626	134.8E6	220.0E6	48.613m	50.425m
15) B Endosulfa...	6.791	5.923	135.6E6	209.5E6	49.946	48.402
16) A 4,4'-DDD	6.706	5.774	119.4E6	185.0E6	55.125m	51.440m
17) MA 4,4'-DDT	7.020	6.025	125.2E6	208.1E6	52.657	51.622
18) B Endrin al...	6.921	6.102	101.4E6	160.1E6	48.027	47.570
19) B Endosulfa...	7.156	6.325	120.4E6	201.2E6	49.505	49.392
20) A Methoxychlor	7.498	6.599	66177433	114.3E6	55.283	53.908m
21) B Endrin ke...	7.641	6.830	134.0E6	246.2E6	50.680	51.580
22) Mirex	8.113	7.010	96682930	183.7E6	46.791	48.391

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:30
Operator : AR\AJ
Sample : Q1730-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

OU4-VSL-15-040325MS

Manual Integrations

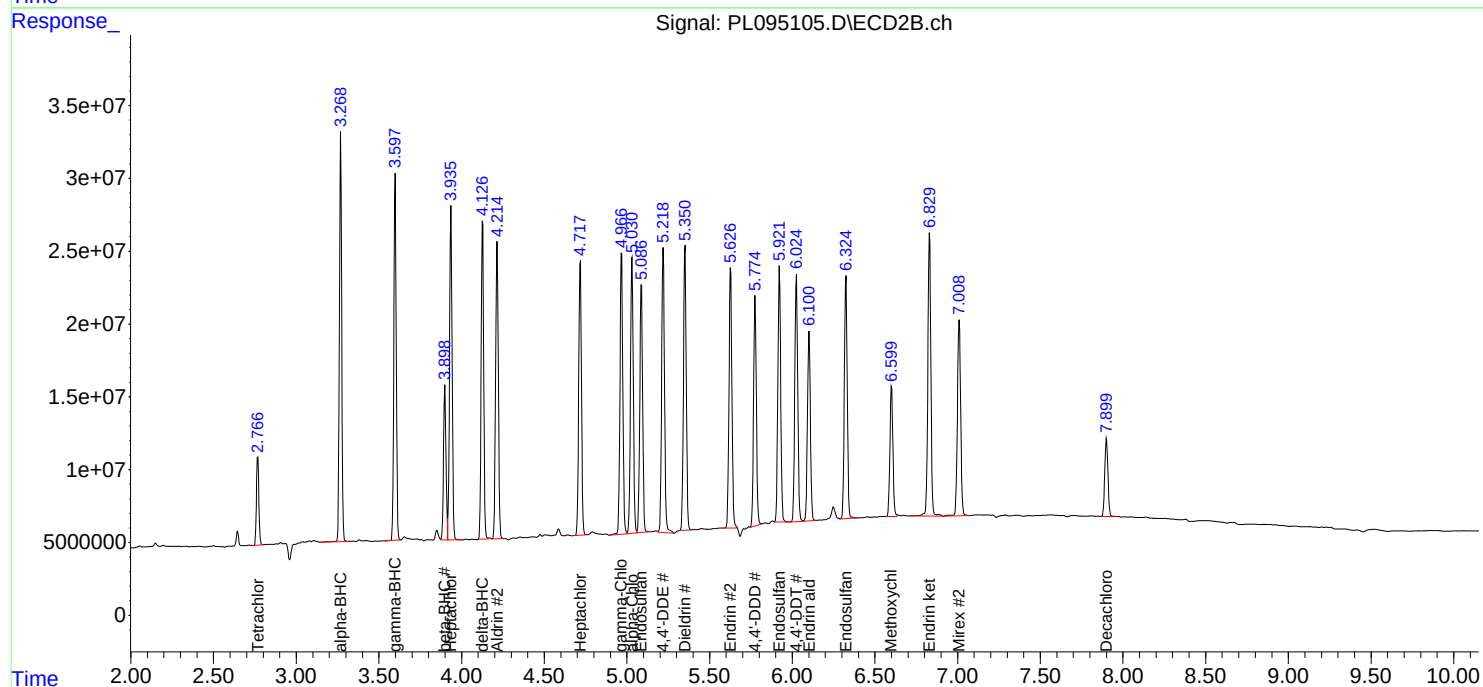
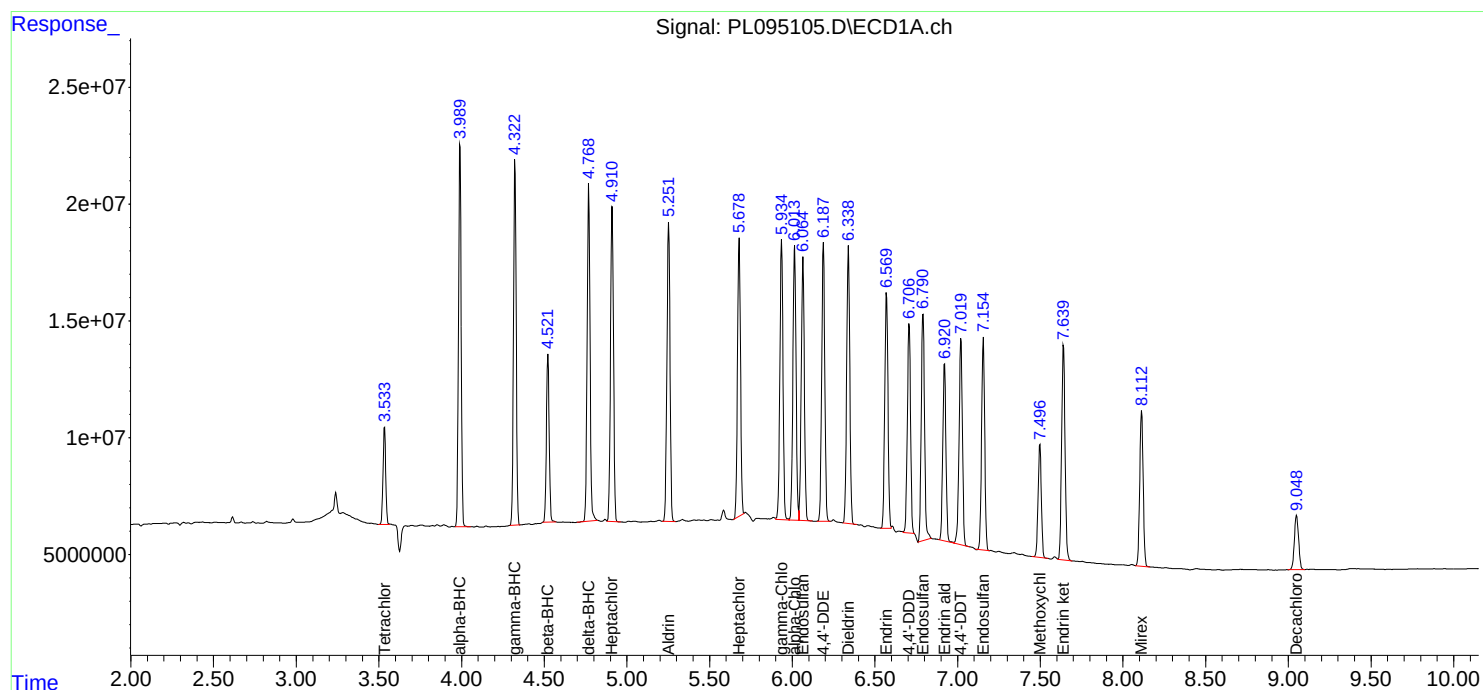
APPROVED

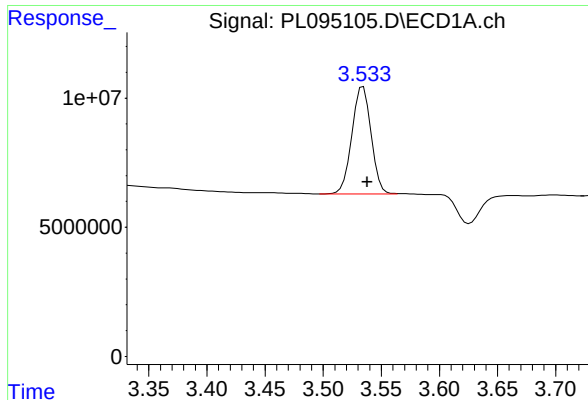
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





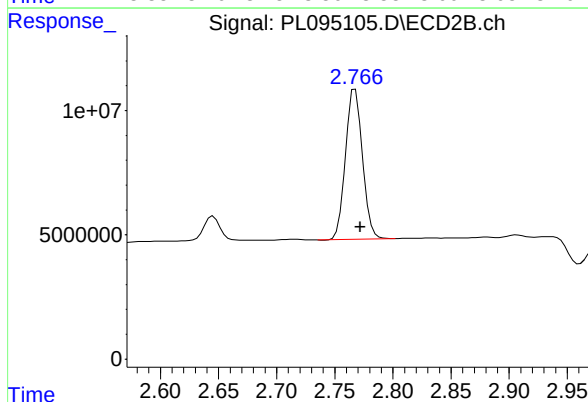
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.005 min
Response: 47756695
Conc: 16.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

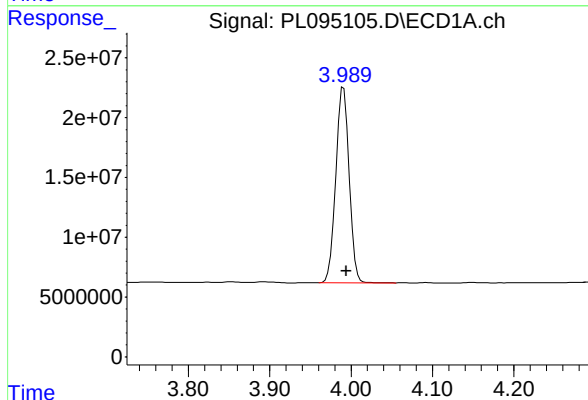
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



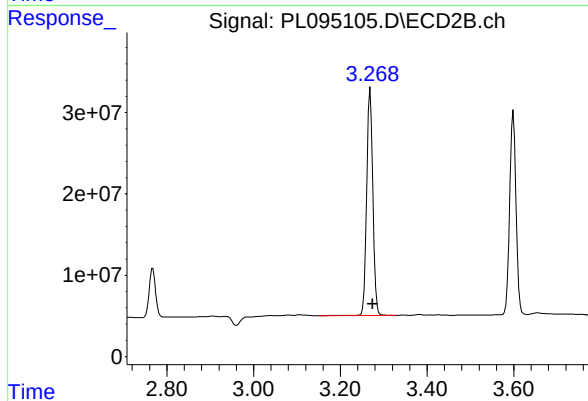
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 61086936
Conc: 17.11 ng/ml



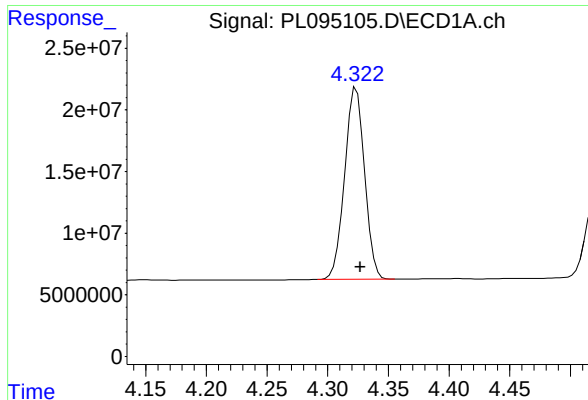
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 185866284
Conc: 44.76 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 275403013
Conc: 51.08 ng/ml



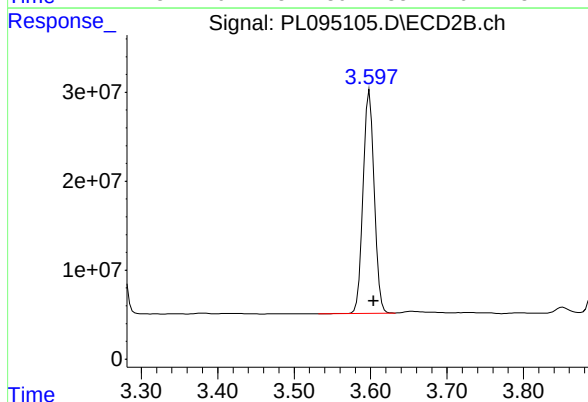
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 177787553
Conc: 44.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

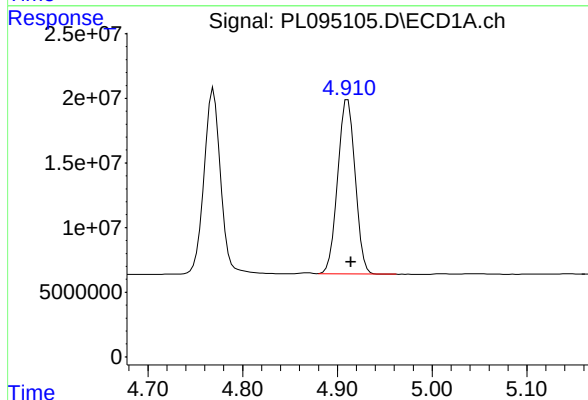
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



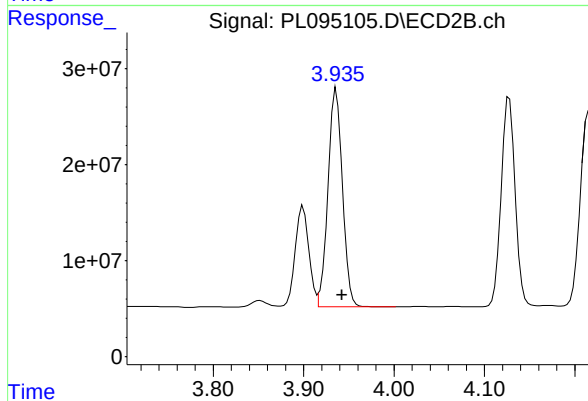
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.006 min
Response: 254098428
Conc: 49.44 ng/ml



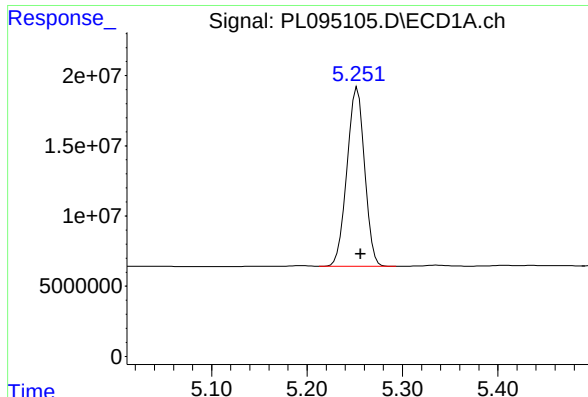
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 172129270
Conc: 44.34 ng/ml



#4 Heptachlor

R.T.: 3.936 min
Delta R.T.: -0.006 min
Response: 252076787
Conc: 47.84 ng/ml



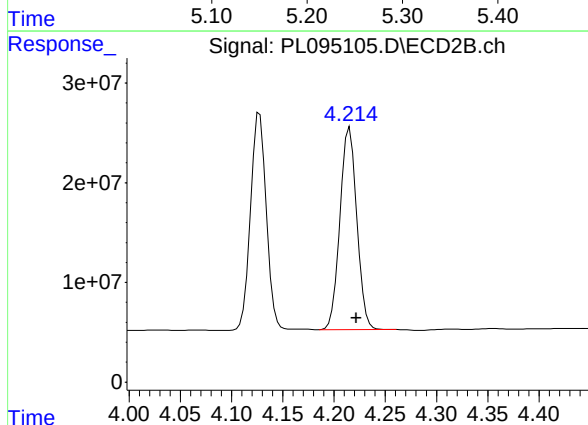
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.004 min
Response: 164523485
Conc: 44.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

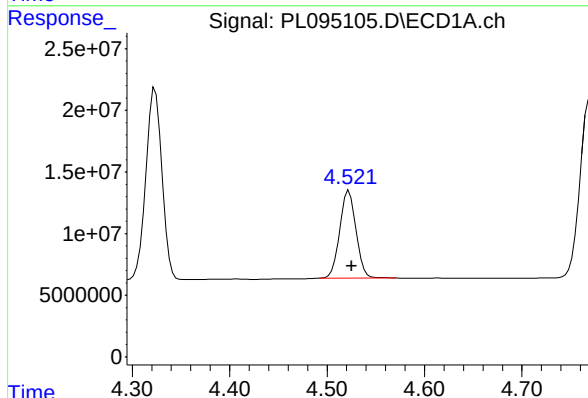
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



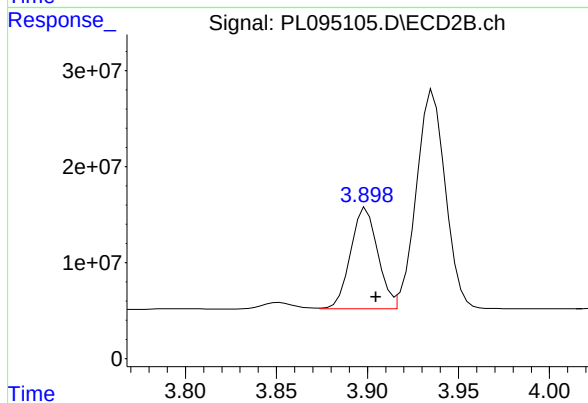
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.006 min
Response: 231695229
Conc: 47.51 ng/ml



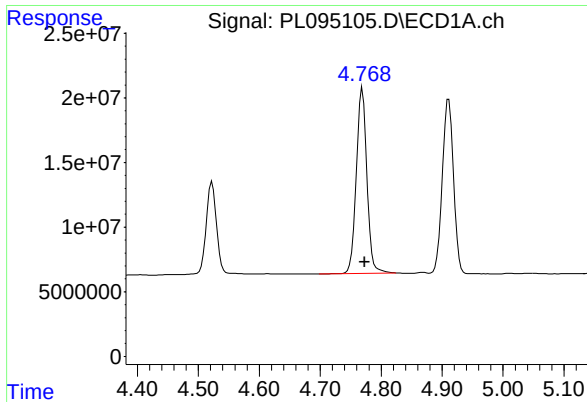
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 82395706
Conc: 44.65 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.005 min
Response: 110496375
Conc: 49.74 ng/ml



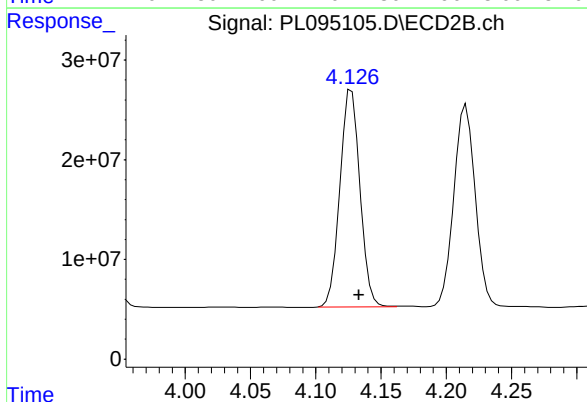
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 173623019
Conc: 44.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

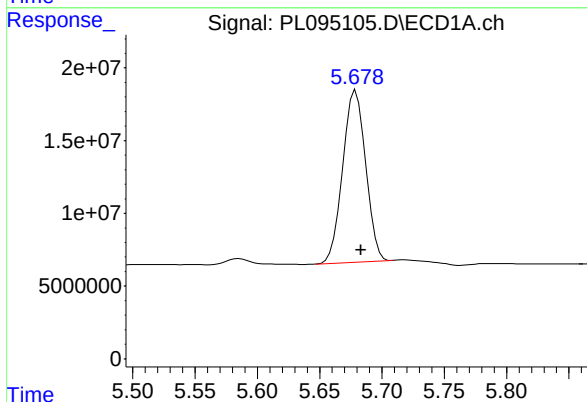
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



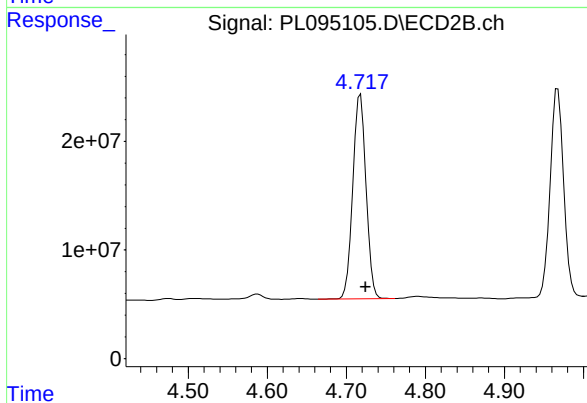
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: -0.006 min
Response: 233428814
Conc: 46.67 ng/ml



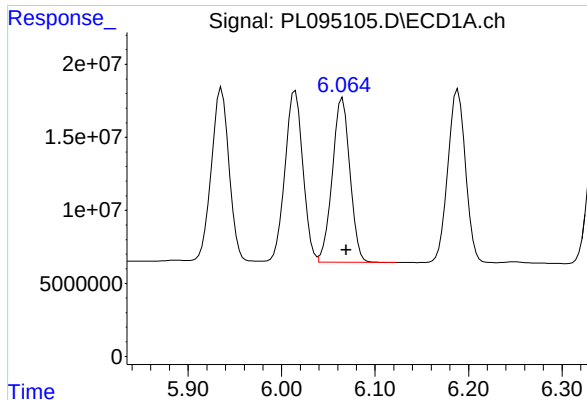
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 151415785
Conc: 45.26 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.007 min
Response: 218473304
Conc: 47.72 ng/ml



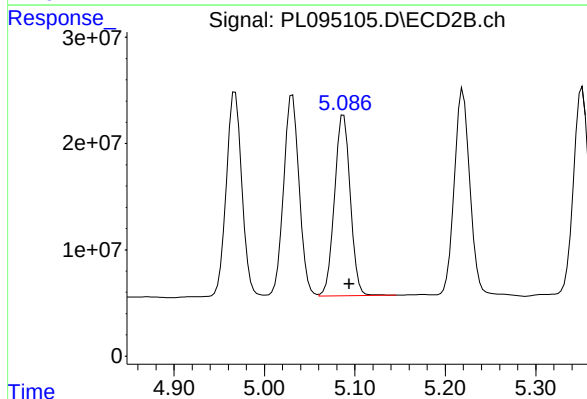
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 146859670
Conc: 47.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

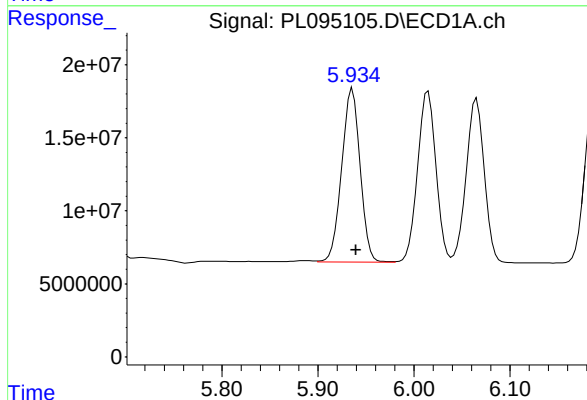
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



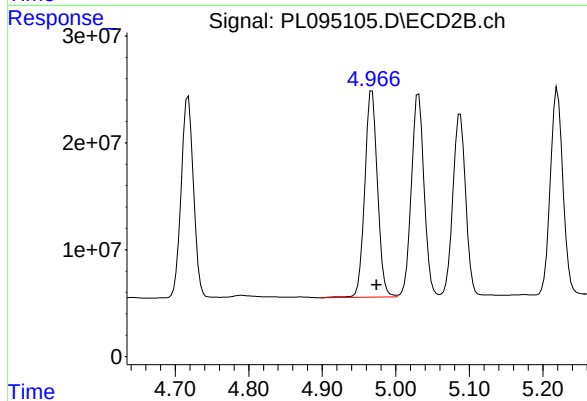
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 205909918
Conc: 46.92 ng/ml



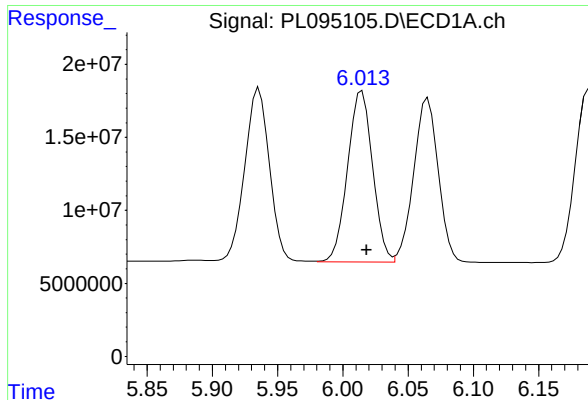
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156632125
Conc: 46.49 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 231769879
Conc: 48.00 ng/ml



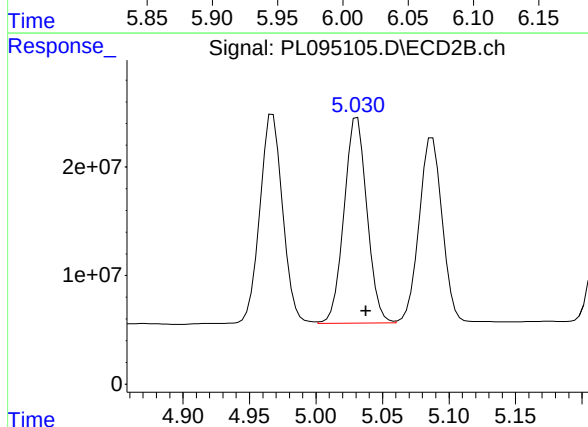
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 156197054
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

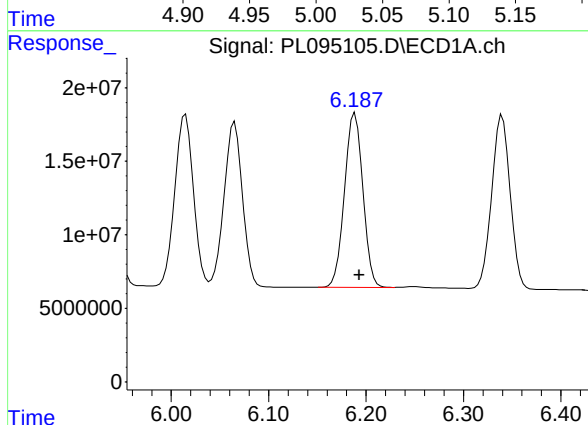
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



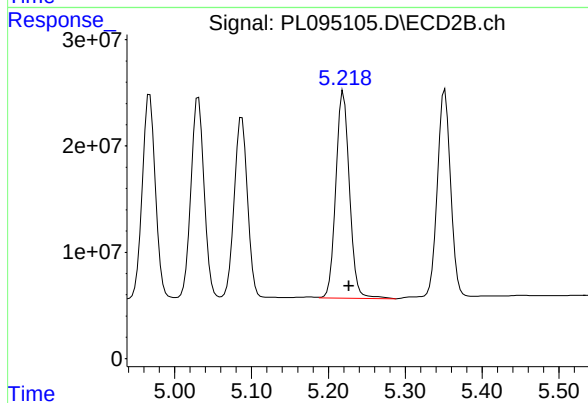
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.007 min
Response: 227182534
Conc: 47.60 ng/ml



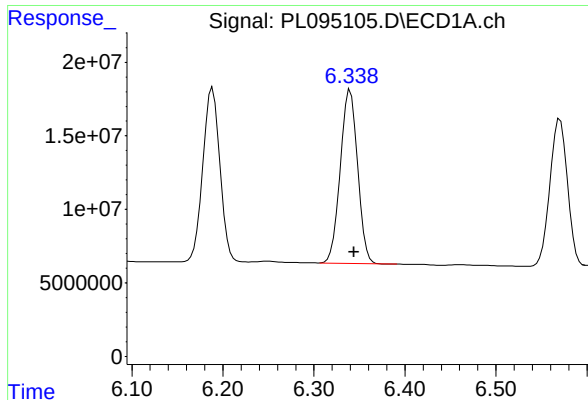
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 155178105
Conc: 52.74 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 235991990
Conc: 50.77 ng/ml



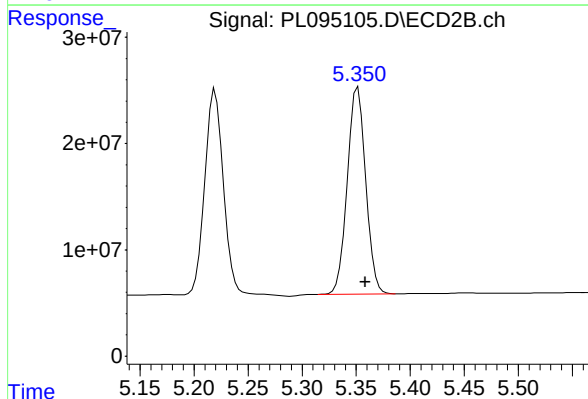
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 155993001
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

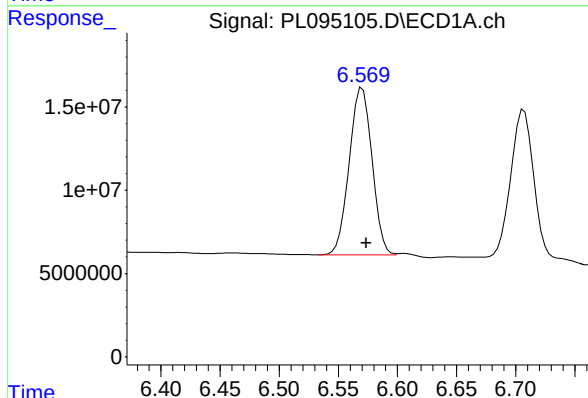
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



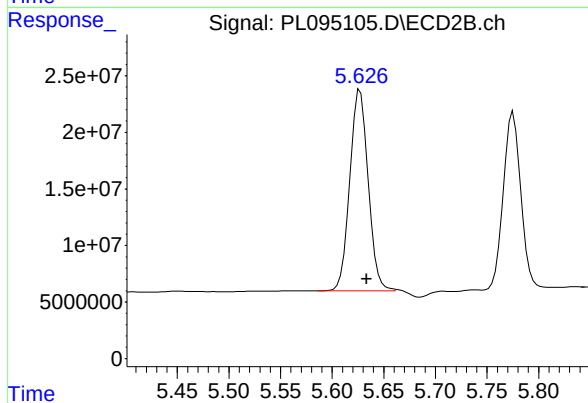
#13 Dieldrin

R.T.: 5.350 min
Delta R.T.: -0.008 min
Response: 231108910
Conc: 47.63 ng/ml



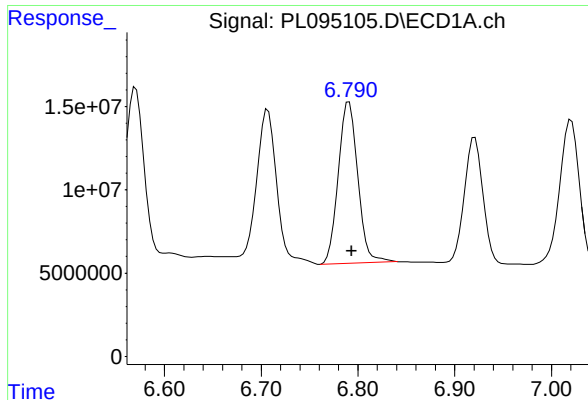
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 134759730
Conc: 48.61 ng/ml



#14 Endrin

R.T.: 5.626 min
Delta R.T.: -0.008 min
Response: 220036542
Conc: 50.42 ng/ml



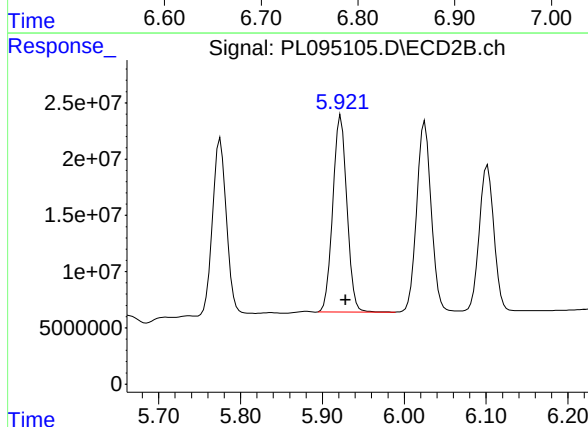
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 135590625
Conc: 49.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

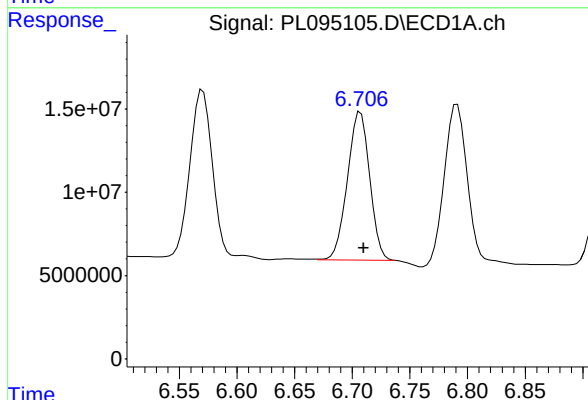
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



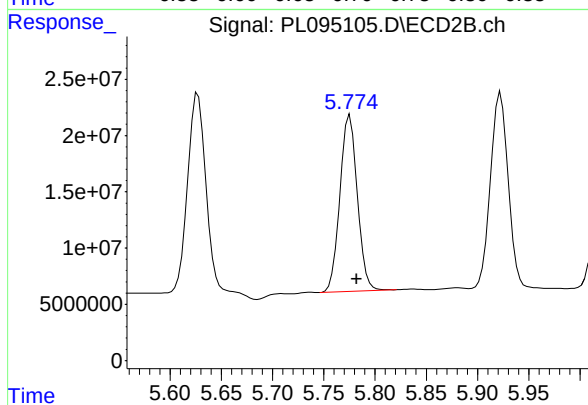
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.006 min
Response: 209495102
Conc: 48.40 ng/ml



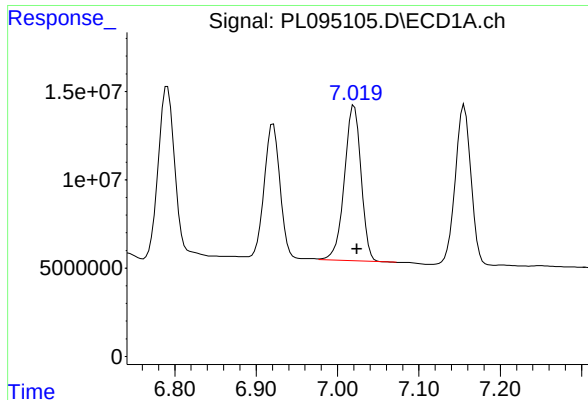
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 119405104
Conc: 55.13 ng/ml m



#16 4,4'-DDD

R.T.: 5.774 min
Delta R.T.: -0.008 min
Response: 184973651
Conc: 51.44 ng/ml m



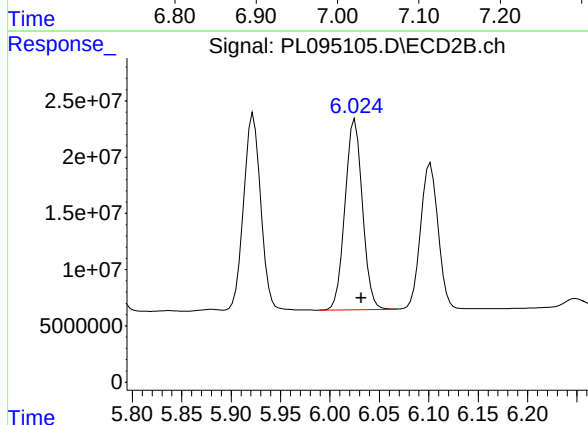
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 125246081
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

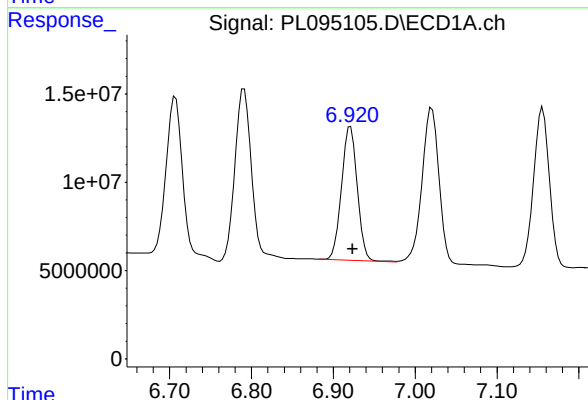
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



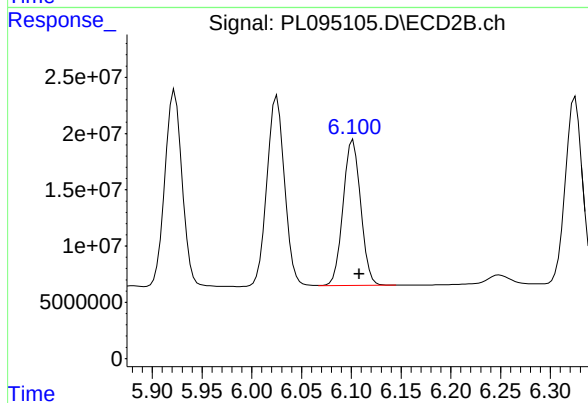
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 208143638
Conc: 51.62 ng/ml



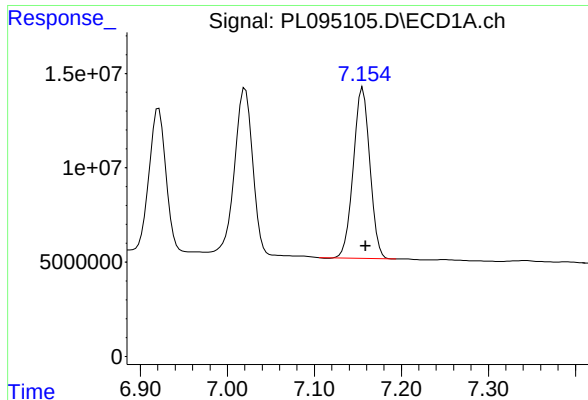
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 101385406
Conc: 48.03 ng/ml



#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 160089156
Conc: 47.57 ng/ml



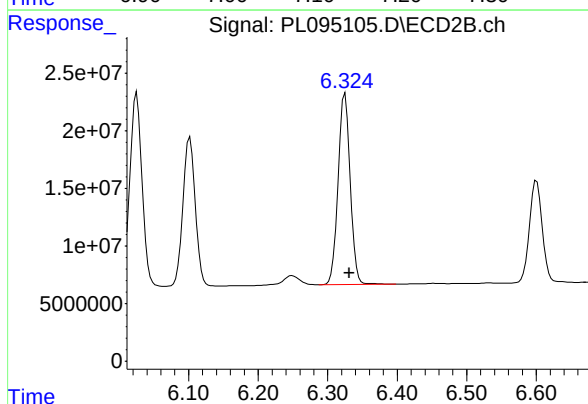
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 120397595
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

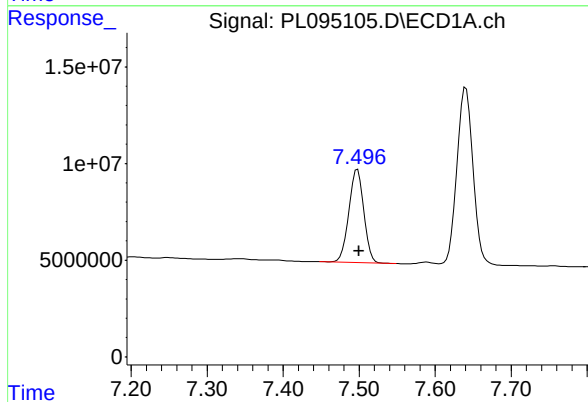
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



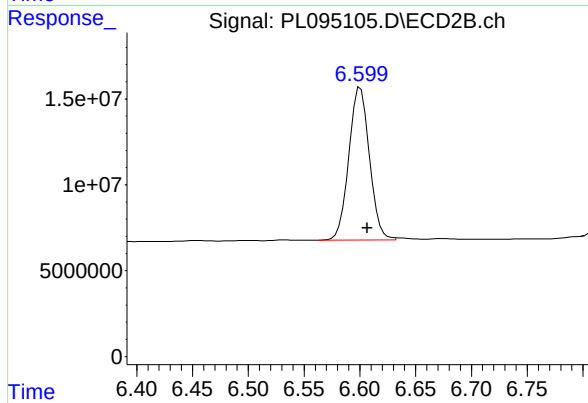
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 201194163
Conc: 49.39 ng/ml



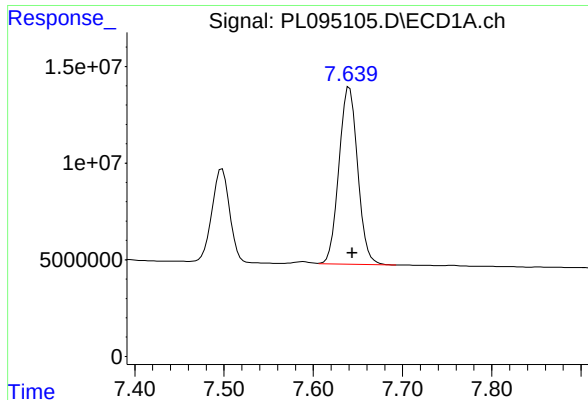
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 66177433
Conc: 55.28 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 114342441
Conc: 53.91 ng/ml m



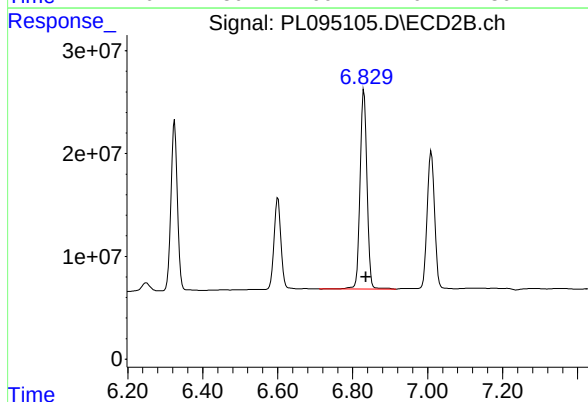
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 133959764
Conc: 50.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

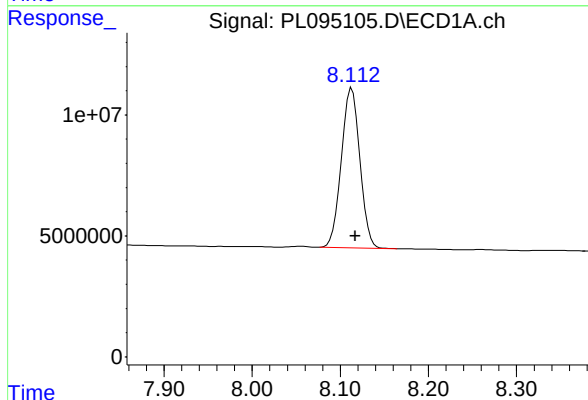
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



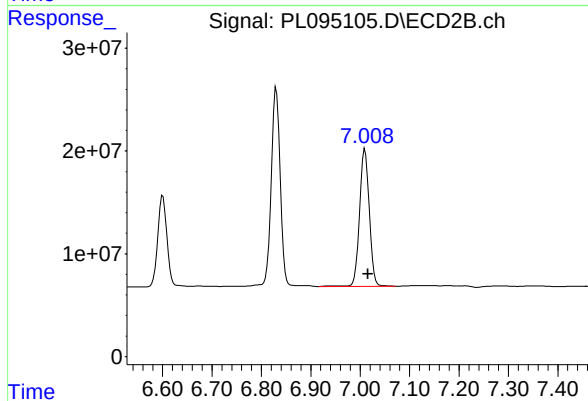
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 246170448
Conc: 51.58 ng/ml



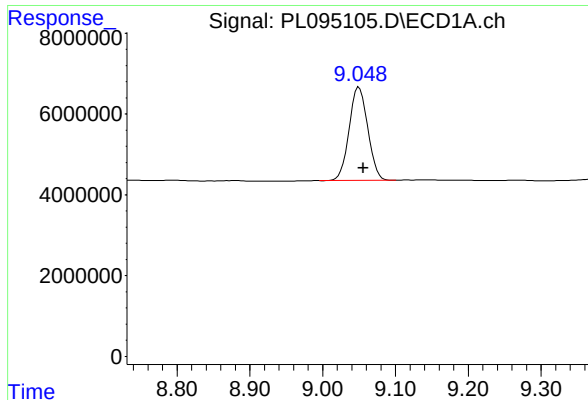
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 96682930
Conc: 46.79 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 183660429
Conc: 48.39 ng/ml



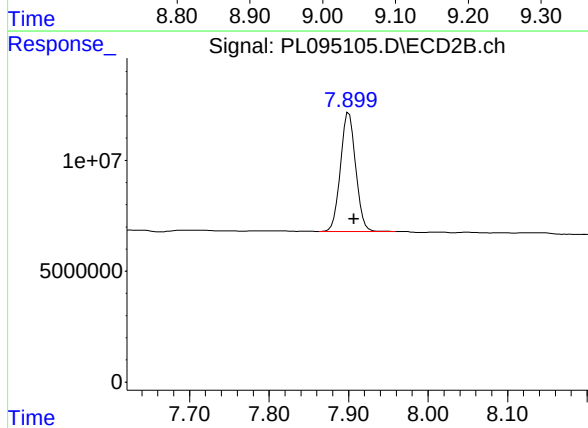
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 41113030
Conc: 19.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 71161215
Conc: 17.62 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325MSD	SDG No.:	Q1730
Lab Sample ID:	Q1730-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.9 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
PL095106.D	1	04/07/25 08:20	04/08/25 13:44	PB167473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00013	0.00034	0.0018	mg/Kg
319-85-7	beta-BHC	0.017		0.00019	0.00085	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00040	0.00085	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00014	0.00034	0.0018	mg/Kg
76-44-8	Heptachlor	0.016		0.00012	0.00034	0.0018	mg/Kg
309-00-2	Aldrin	0.016		0.00012	0.00034	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.016		0.00020	0.00085	0.0018	mg/Kg
959-98-8	Endosulfan I	0.016		0.00014	0.00034	0.0018	mg/Kg
60-57-1	Dieldrin	0.017		0.00014	0.00034	0.0018	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00034	0.0018	mg/Kg
72-20-8	Endrin	0.017		0.00014	0.00034	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00030	0.00085	0.0018	mg/Kg
72-54-8	4,4-DDD	0.019		0.00015	0.00034	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00013	0.00034	0.0018	mg/Kg
50-29-3	4,4-DDT	0.018		0.00014	0.00034	0.0018	mg/Kg
72-43-5	Methoxychlor	0.019		0.00038	0.00085	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.017		0.00020	0.00085	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00038	0.00085	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.016		0.00012	0.00034	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.016		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	19.2		55 - 130		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.0		42 - 129		85%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	04/03/25
Project:	Raymark Superfund Site	Date Received:	04/04/25
Client Sample ID:	OU4-VSL-15-040325MSD	SDG No.:	Q1730
Lab Sample ID:	Q1730-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.9
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
PL095106.D	1	04/07/25 08:20	04/08/25 13:44	PB167473

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\PL040825\
 Data File : PL095106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 13:44
 Operator : AR\AJ
 Sample : Q1730-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-15-040325MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/09/2025
 Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	47196151	60565051	16.673m	16.968
28) SA Decachlor...	9.053	7.902	40518687	70543496	19.226	17.464
Target Compounds						
2) A alpha-BHC	3.992	3.270	184.5E6	271.3E6	44.428	50.325
3) MA gamma-BHC...	4.324	3.598	177.1E6	251.2E6	44.378	48.885m
4) MA Heptachlor	4.912	3.937	171.0E6	248.9E6	44.048	47.234
5) MB Aldrin	5.253	4.216	163.9E6	230.7E6	44.397	47.310
6) B beta-BHC	4.524	3.901	82412055	108.7E6	44.663	48.940
7) B delta-BHC	4.770	4.129	172.4E6	232.7E6	44.283	46.522
8) B Heptachlo...	5.680	4.719	150.2E6	216.3E6	44.903	47.238
9) A Endosulfan I	6.066	5.089	145.1E6	207.3E6	47.256	47.226
10) B gamma-Chl...	5.937	4.969	154.1E6	226.2E6	45.744	46.841
11) B alpha-Chl...	6.015	5.033	154.9E6	224.2E6	46.976	46.981
12) B 4,4'-DDE	6.189	5.221	154.2E6	229.6E6	52.416	49.397
13) MA Dieldrin	6.341	5.353	154.8E6	229.3E6	48.408	47.259
14) MA Endrin	6.571	5.627	131.2E6	216.1E6	47.342	49.520m
15) B Endosulfa...	6.792	5.923	134.2E6	207.8E6	49.424	48.019
16) A 4,4'-DDD	6.706	5.777	118.0E6	182.3E6	54.488m	50.699
17) MA 4,4'-DDT	7.021	6.026	124.2E6	206.0E6	52.220	51.095
18) B Endrin al...	6.921	6.103	102.5E6	159.0E6	48.568	47.252
19) B Endosulfa...	7.157	6.326	119.8E6	199.1E6	49.271	48.878
20) A Methoxychlor	7.498	6.600	67075727	112.8E6	56.033	53.168m
21) B Endrin ke...	7.642	6.829	132.9E6	237.9E6	50.296	49.853m
22) Mirex	8.114	7.010	95755936	184.9E6	46.342	48.711

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:44
Operator : AR\AJ
Sample : Q1730-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

OU4-VSL-15-040325MSD

Manual Integrations

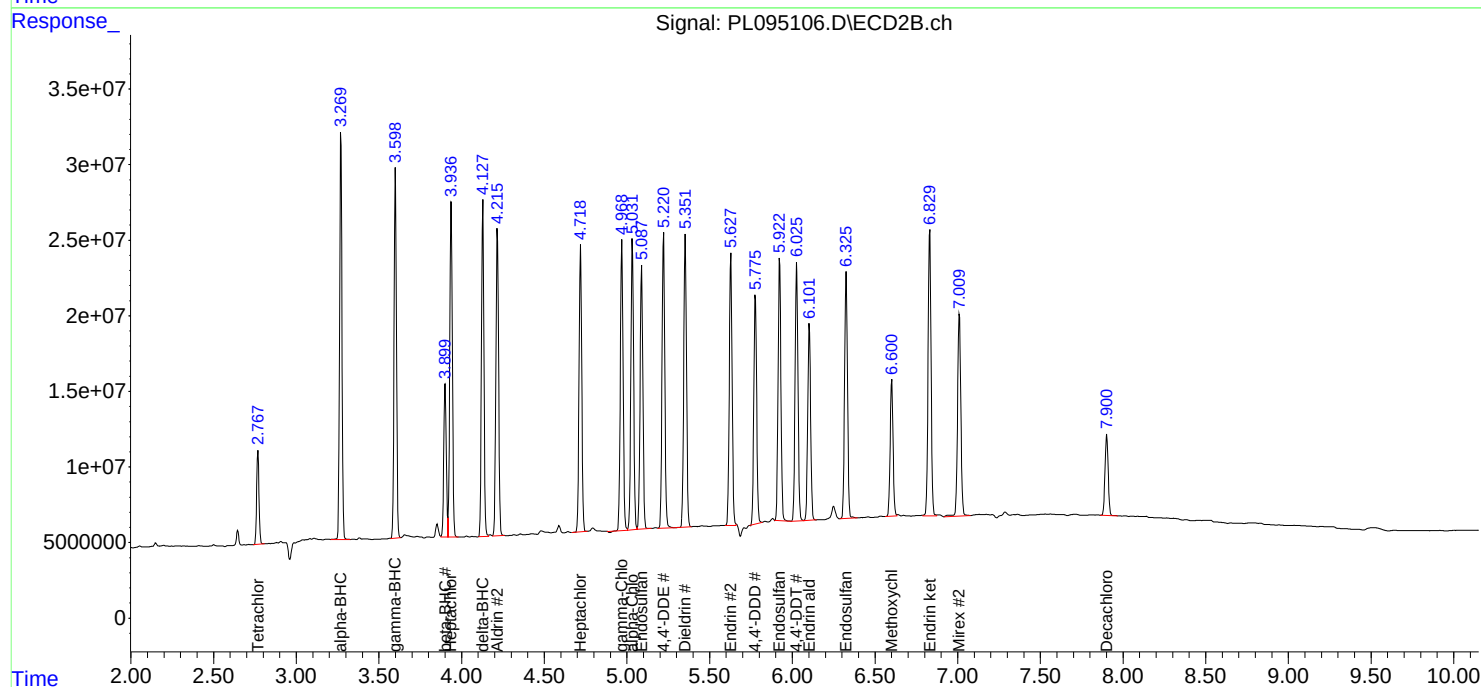
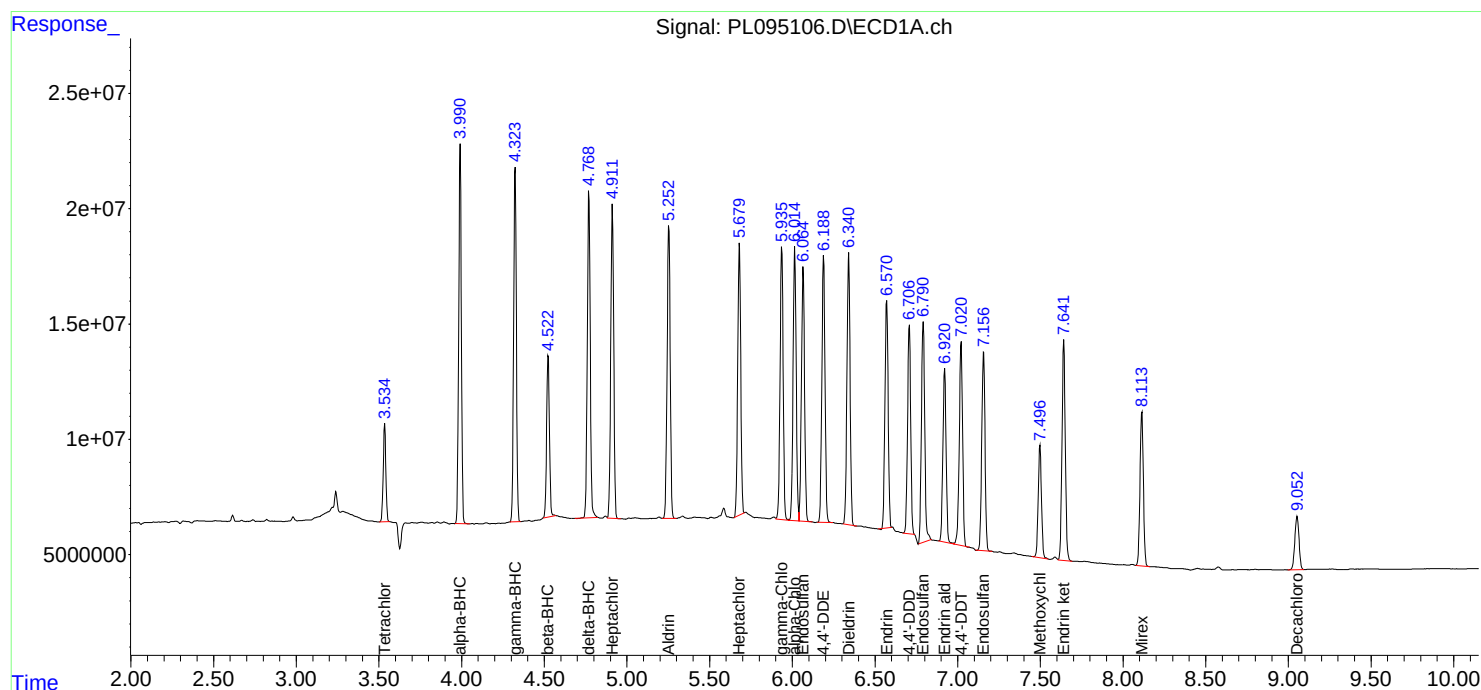
APPROVED

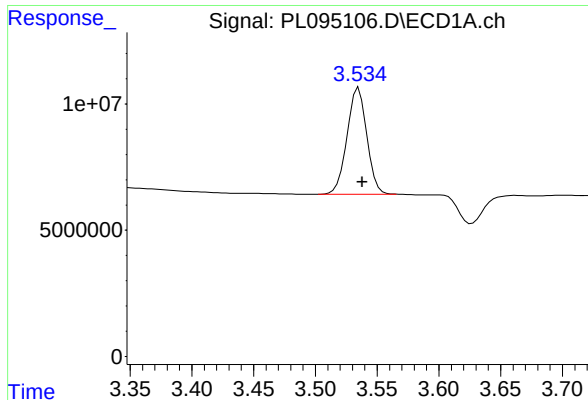
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





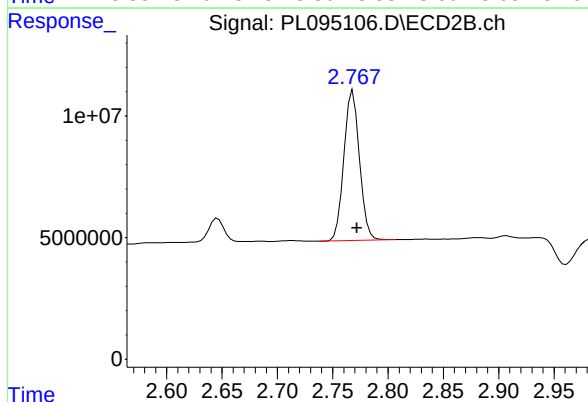
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 47196151
Conc: 16.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

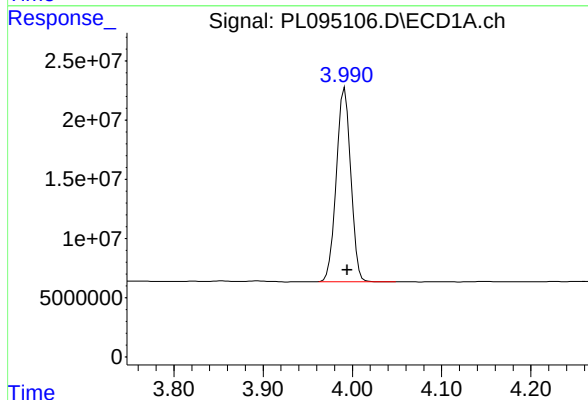
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



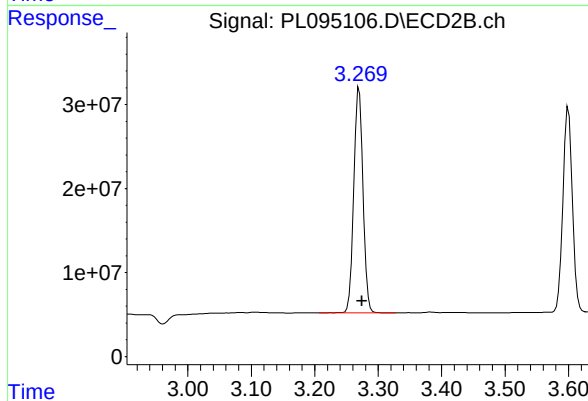
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 60565051
Conc: 16.97 ng/ml



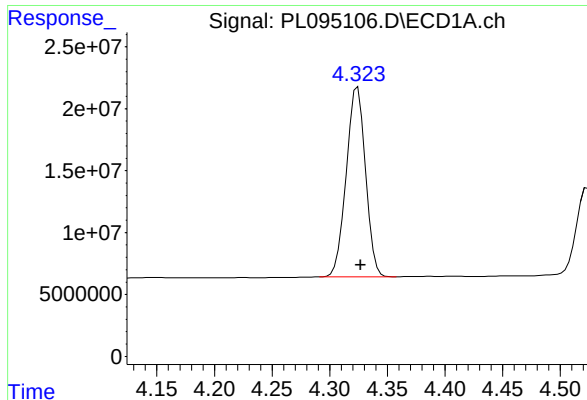
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 184479516
Conc: 44.43 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 271318589
Conc: 50.32 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 177081595
Conc: 44.38 ng/ml

Instrument :

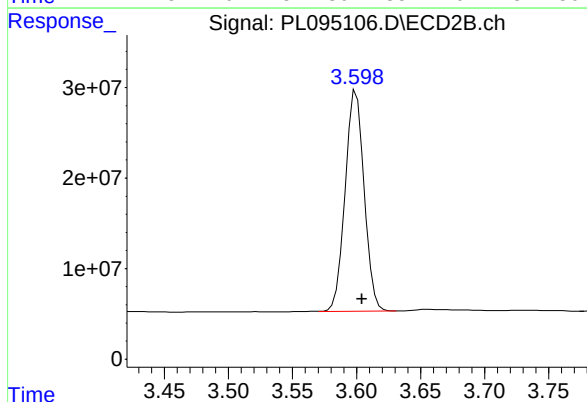
ECD_L

ClientSampleId :

OU4-VSL-15-040325MSD

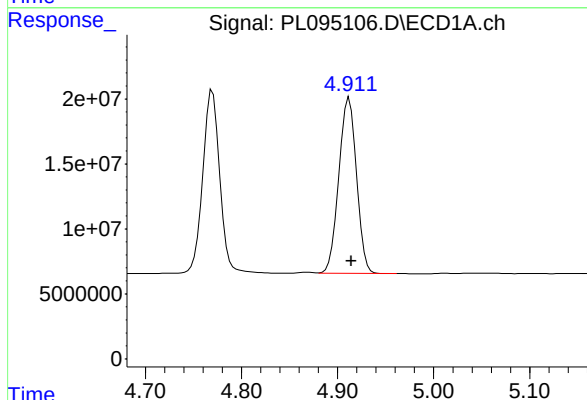
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



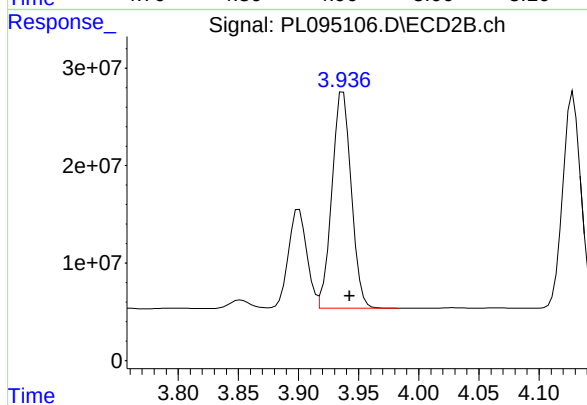
#3 gamma-BHC (Lindane)

R.T.: 3.598 min
Delta R.T.: -0.006 min
Response: 251244093
Conc: 48.89 ng/ml



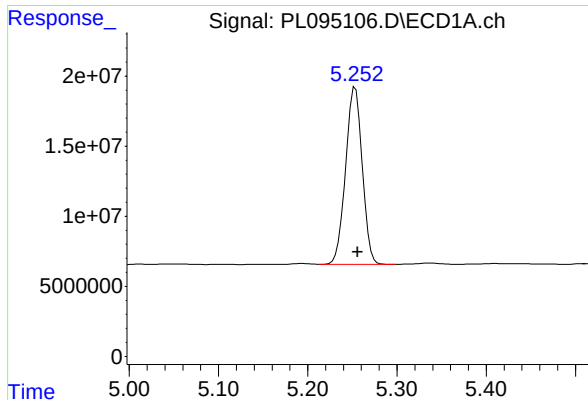
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 170976397
Conc: 44.05 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 248861620
Conc: 47.23 ng/ml



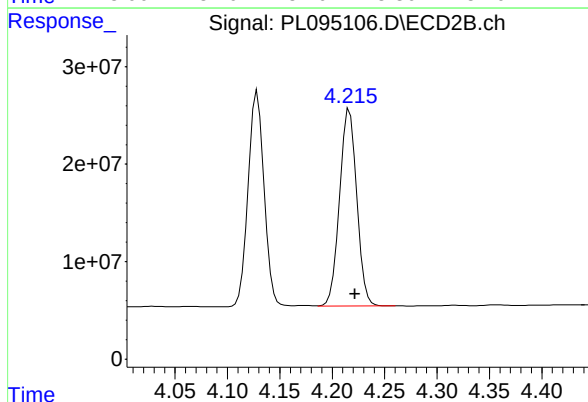
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 163923640
Conc: 44.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

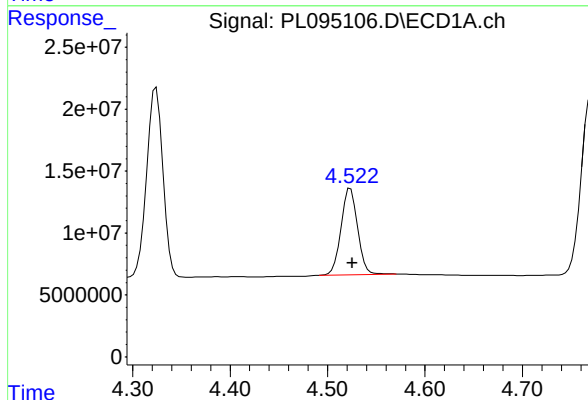
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



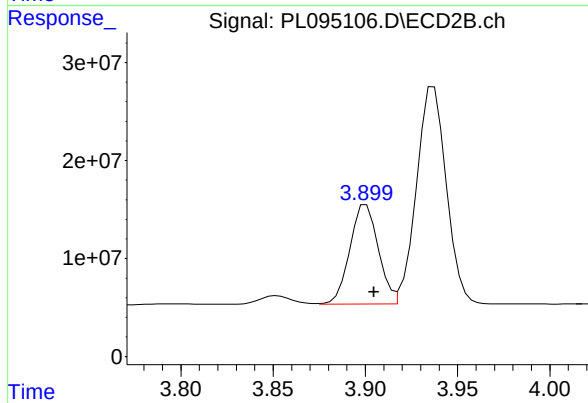
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 230698476
Conc: 47.31 ng/ml



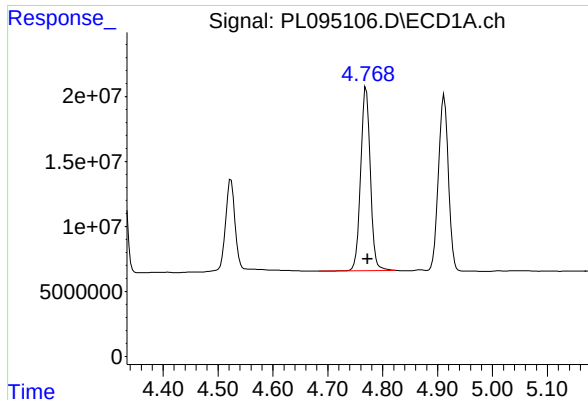
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 82412055
Conc: 44.66 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 108710519
Conc: 48.94 ng/ml



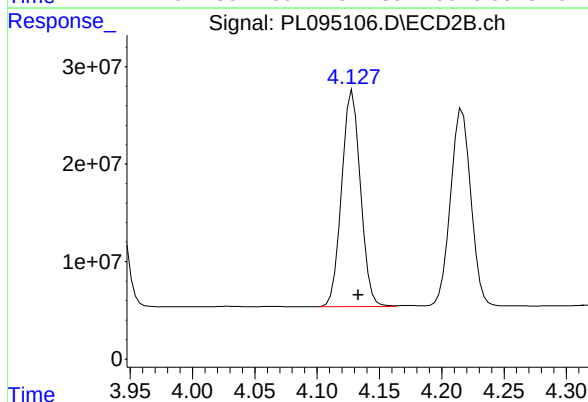
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 172449741
Conc: 44.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

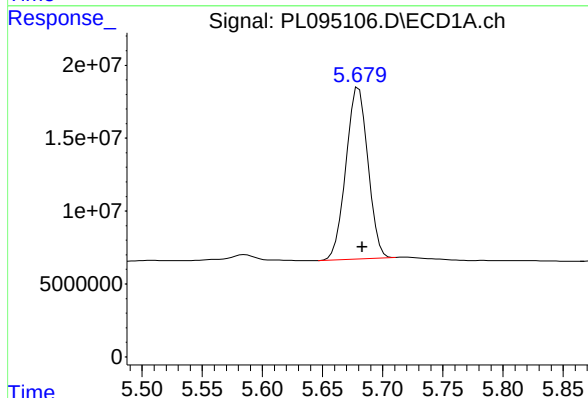
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



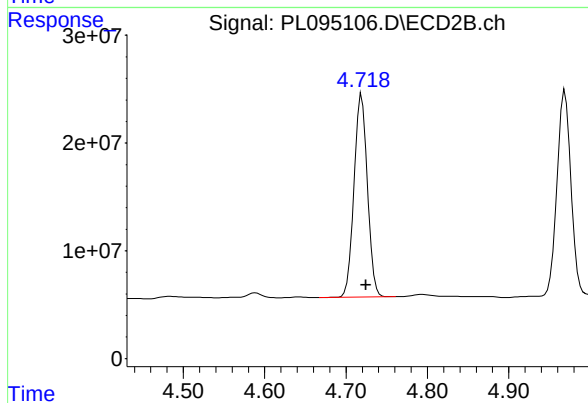
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 232701549
Conc: 46.52 ng/ml



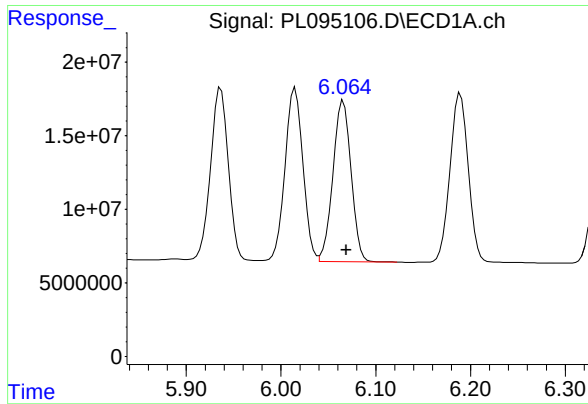
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 150210678
Conc: 44.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 216282293
Conc: 47.24 ng/ml



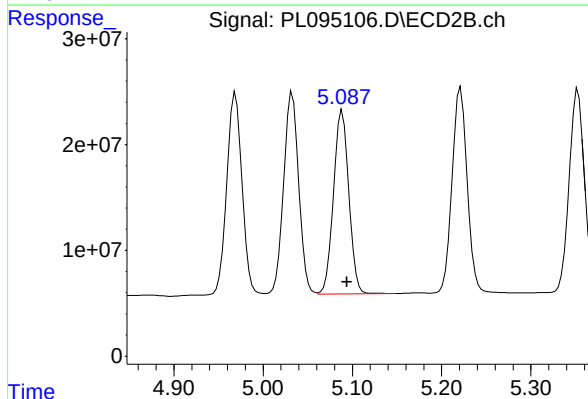
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 145085274
Conc: 47.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

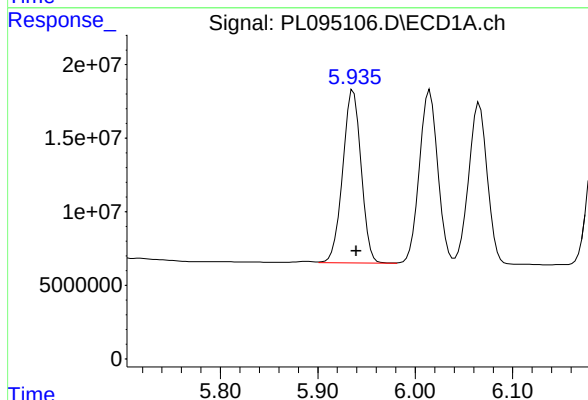
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



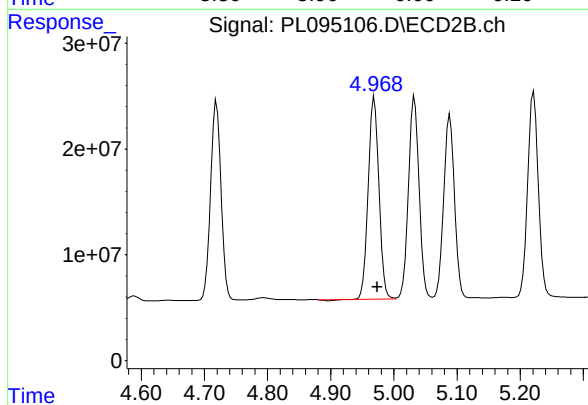
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 207262905
Conc: 47.23 ng/ml



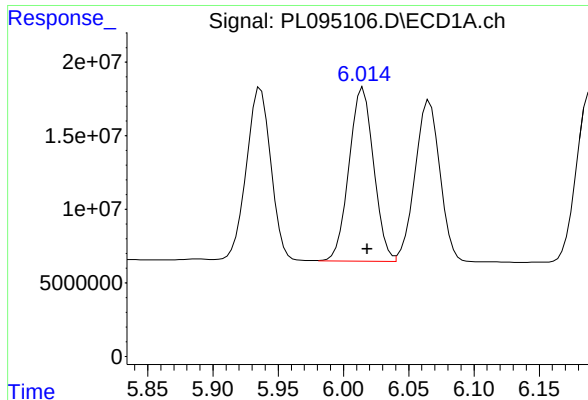
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 154128825
Conc: 45.74 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 226167618
Conc: 46.84 ng/ml



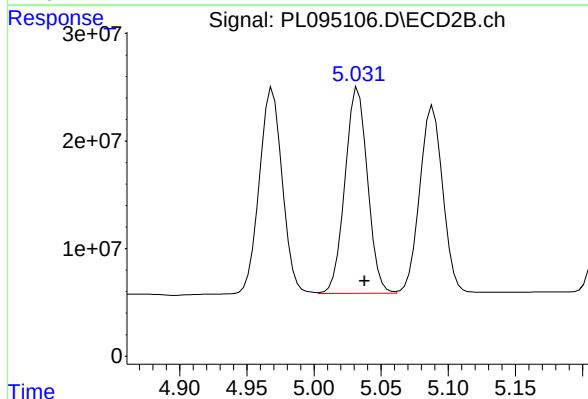
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 154871993
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

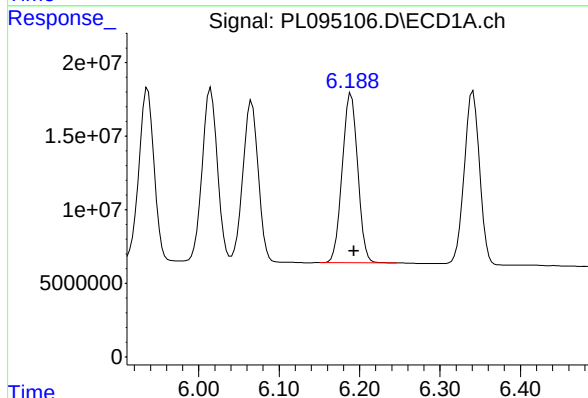
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



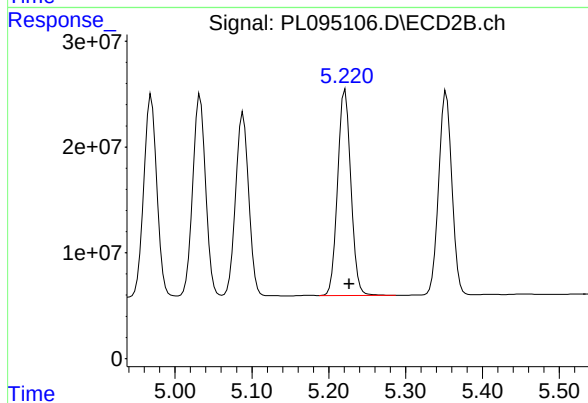
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 224228475
Conc: 46.98 ng/ml



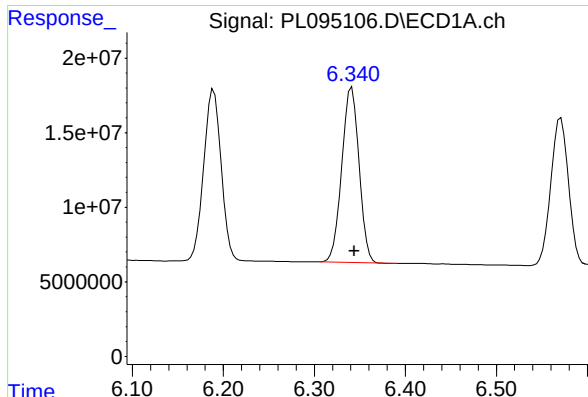
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 154212133
Conc: 52.42 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 229622209
Conc: 49.40 ng/ml



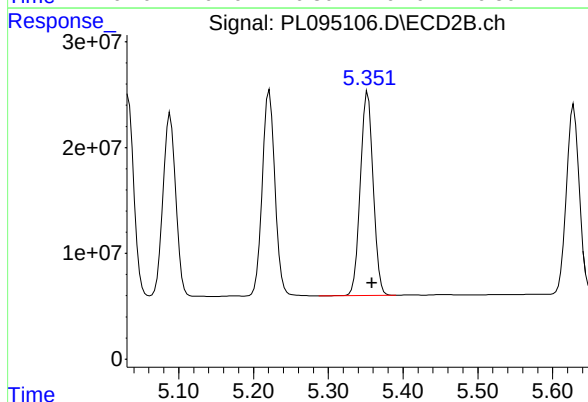
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 154814845
Conc: 48.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

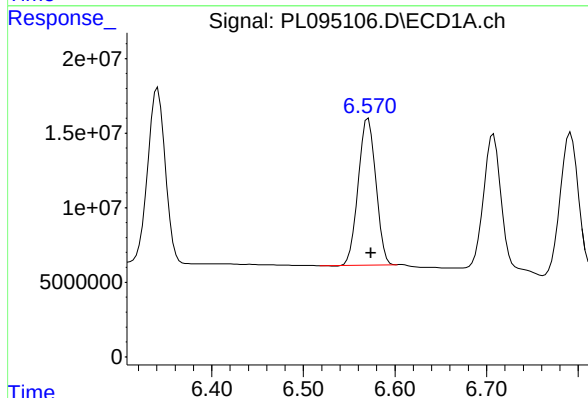
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



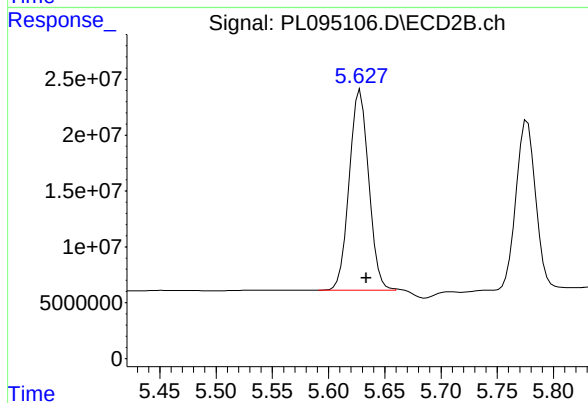
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 229292753
Conc: 47.26 ng/ml



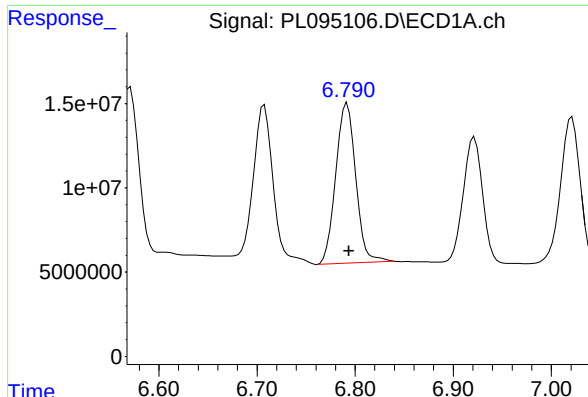
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 131234828
Conc: 47.34 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 216087489
Conc: 49.52 ng/ml m



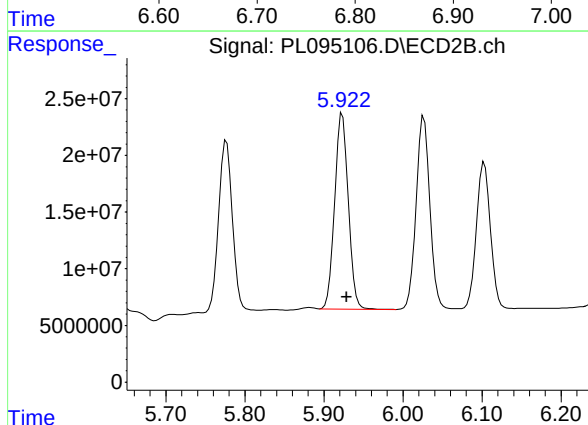
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 134172096
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

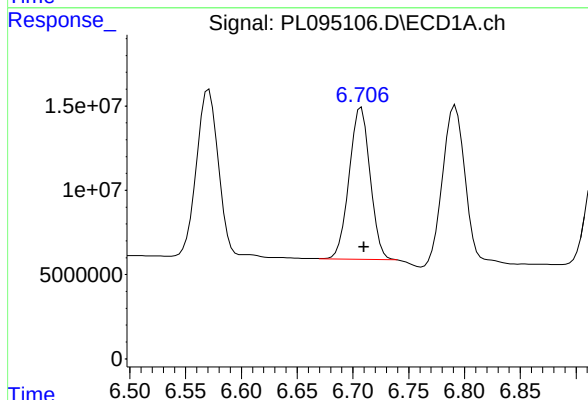
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



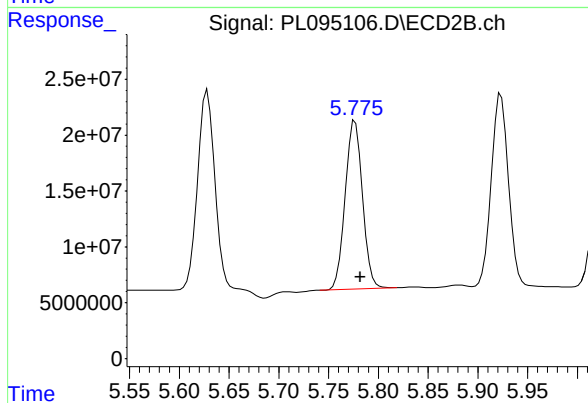
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 207840853
Conc: 48.02 ng/ml



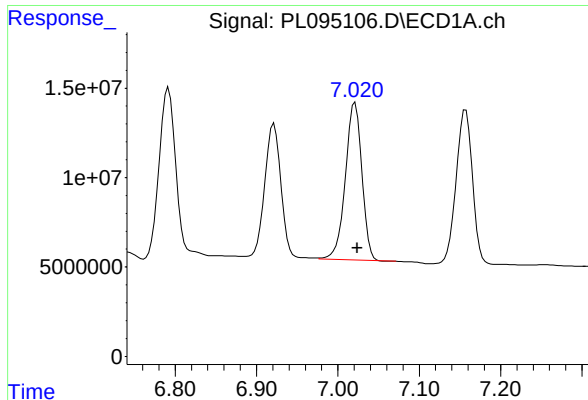
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 118023850
Conc: 54.49 ng/ml m



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 182307156
Conc: 50.70 ng/ml



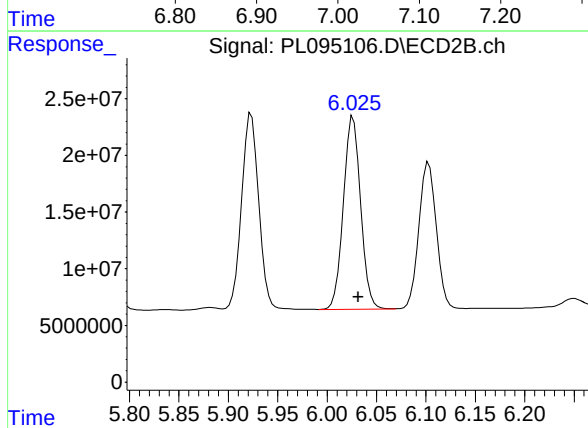
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 124207942
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

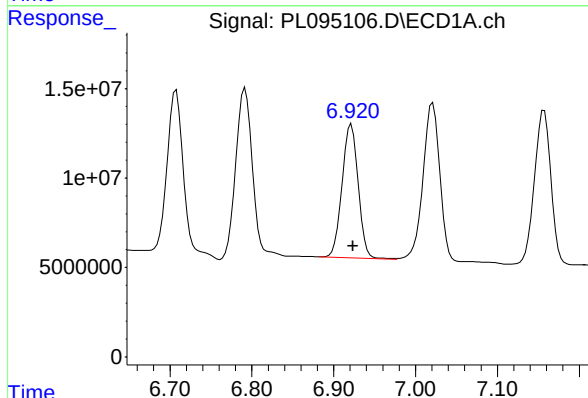
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



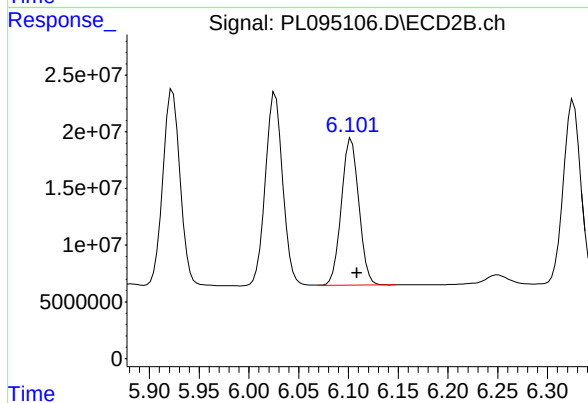
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.005 min
Response: 206018935
Conc: 51.09 ng/ml



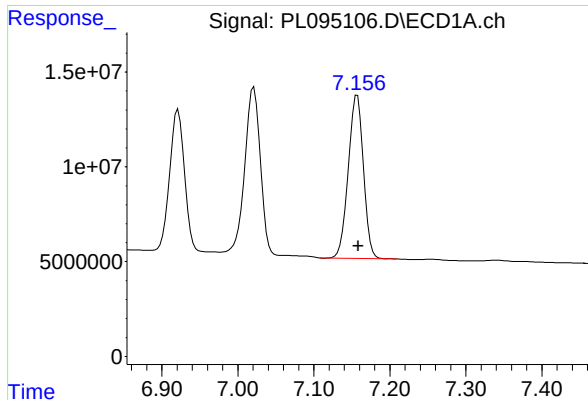
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 102527180
Conc: 48.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 159019696
Conc: 47.25 ng/ml



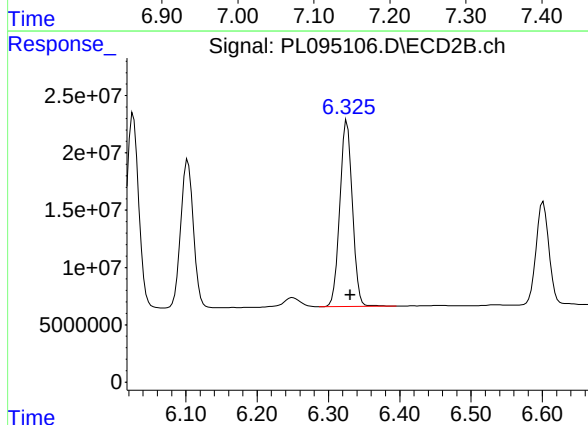
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 119828339
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

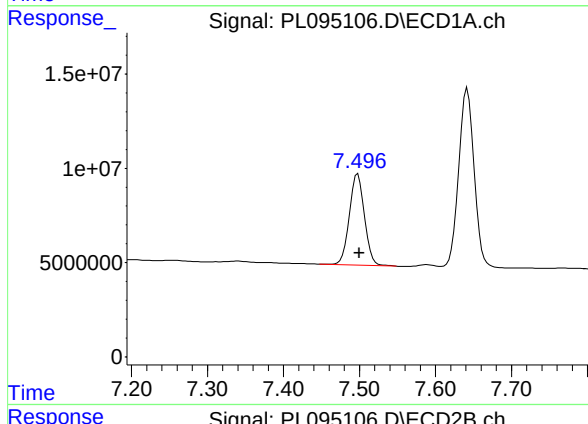
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



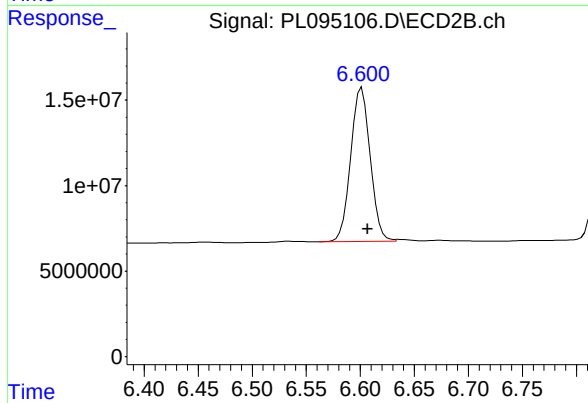
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 199102117
Conc: 48.88 ng/ml



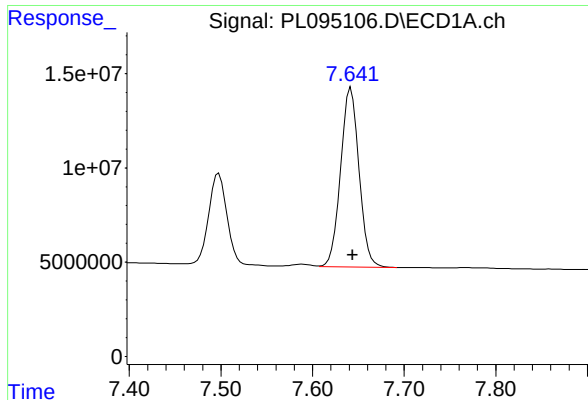
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 67075727
Conc: 56.03 ng/ml



#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 112772585
Conc: 53.17 ng/ml m



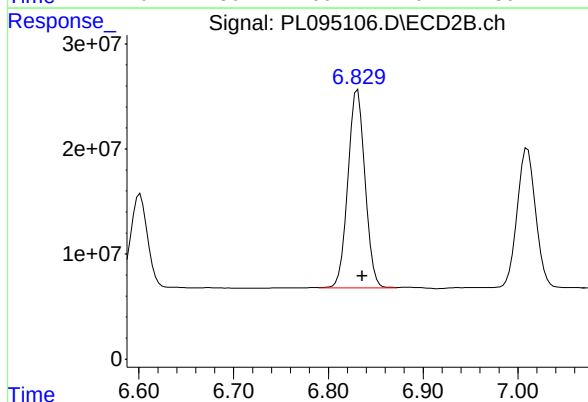
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 132944905
Conc: 50.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

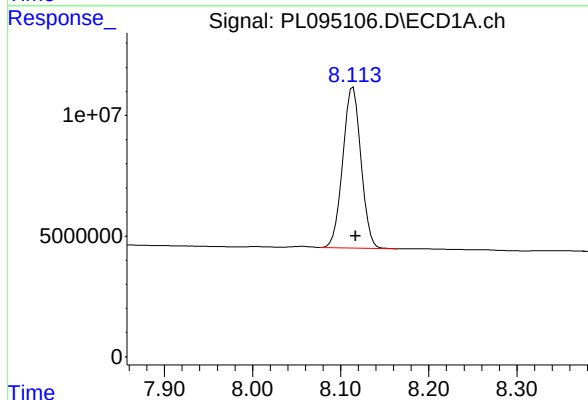
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



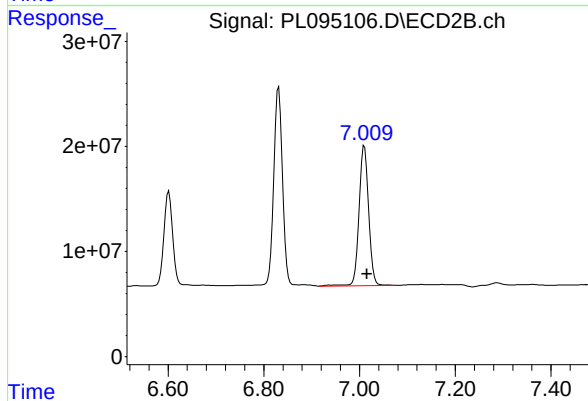
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.006 min
Response: 237925420
Conc: 49.85 ng/ml m



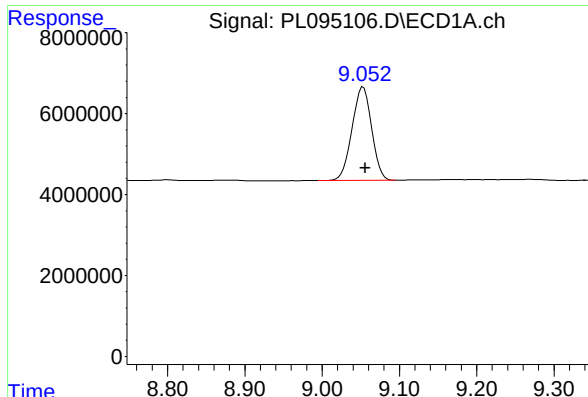
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 95755936
Conc: 46.34 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 184872674
Conc: 48.71 ng/ml



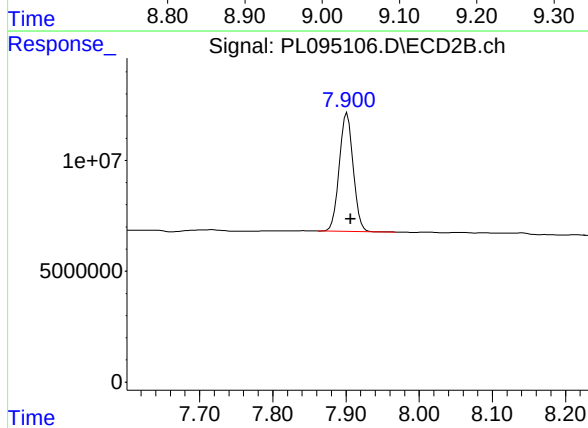
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 40518687
Conc: 19.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 70543496
Conc: 17.46 ng/ml

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:	PL040725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095057.D	Endrin ketone #2	Abdul	4/8/2025 9:06:19 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PSTDCCC050	PL095058.D	Endrin ketone #2	Abdul	4/8/2025 9:06:22 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095059.D	Chlordane-2	Abdul	4/8/2025 9:06:28 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095059.D	Chlordane-5	Abdul	4/8/2025 9:06:28 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095059.D	Chlordane-5 #2	Abdul	4/8/2025 9:06:28 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PEM	PL095072.D	4,4"-DDE	Abdul	4/8/2025 9:06:57 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PEM	PL095072.D	4,4"-DDE #2	Abdul	4/8/2025 9:06:57 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PEM	PL095072.D	beta-BHC #2	Abdul	4/8/2025 9:06:57 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PEM	PL095072.D	Decachlorobiphenyl #2	Abdul	4/8/2025 9:06:57 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PEM	PL095072.D	Endrin ketone #2	Abdul	4/8/2025 9:06:57 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PSTDCCC050	PL095073.D	4,4"-DDD	Abdul	4/8/2025 9:07:02 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PSTDCCC050	PL095073.D	Endrin ketone #2	Abdul	4/8/2025 9:07:02 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095074.D	Chlordane-2	Abdul	4/8/2025 9:07:06 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software

Manual Integration Report

Sequence:	PL040725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL095074.D	Chlordane-5	Abdul	4/8/2025 9:07:06 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095074.D	Tetrachloro-m-xylene #2	Abdul	4/8/2025 9:07:06 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
Q1730-09	PL095076.D	Tetrachloro-m-xylene	Abdul	4/8/2025 9:07:12 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
Q1730-11	PL095077.D	Tetrachloro-m-xylene	Abdul	4/8/2025 9:07:17 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
Q1730-13	PL095078.D	Tetrachloro-m-xylene	Abdul	4/8/2025 9:07:22 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
Q1730-15	PL095079.D	Tetrachloro-m-xylene	Abdul	4/8/2025 9:07:26 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
Q1730-17	PL095080.D	Tetrachloro-m-xylene	Abdul	4/8/2025 9:07:31 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095087.D	Chlordane-2	Abdul	4/8/2025 9:07:41 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095087.D	Chlordane-5	Abdul	4/8/2025 9:07:41 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095087.D	Decachlorobiphenyl #2	Abdul	4/8/2025 9:07:41 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095087.D	Tetrachloro-m-xylene #2	Abdul	4/8/2025 9:07:41 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PSTDCCC050	PL095091.D	Dieldrin #2	Abdul	4/8/2025 9:07:49 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PSTDCCC050	PL095091.D	Mirex #2	Abdul	4/8/2025 9:07:49 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software

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Sequence:

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ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL095092.D	Chlordane-2	Abdul	4/8/2025 9:07:53 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software
PCHLORCCC500	PL095092.D	Chlordane-5	Abdul	4/8/2025 9:07:53 AM	mohammad	4/9/2025 2:58:10	Peak Integrated by Software

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Sequence:	pl040825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095096.D	4,4"-DDD	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PEM	PL095096.D	4,4"-DDD #2	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PEM	PL095096.D	Endrin	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PEM	PL095096.D	Endrin aldehyde	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PEM	PL095096.D	Endrin ketone #2	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PEM	PL095096.D	Methoxychlor #2	Abdul	4/9/2025 8:17:48 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	4,4"-DDE #2	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	Dieldrin #2	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	Endrin	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	Endrin ketone #2	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	gamma-BHC (Lindane) #2	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	Heptachlor epoxide	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095097.D	Mirex #2	Abdul	4/9/2025 8:18:00 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL095098.D	Chlordane-2	Abdul	4/9/2025 8:18:05 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PCHLORCCC500	PL095098.D	Chlordane-5	Abdul	4/9/2025 8:18:05 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PCHLORCCC500	PL095098.D	Chlordane-5 #2	Abdul	4/9/2025 8:18:05 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01	PL095104.D	Tetrachloro-m-xylene	Abdul	4/9/2025 8:18:46 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	4,4"-DDD	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	4,4"-DDD #2	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	Dieldrin #2	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	Endrin	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	Endrin #2	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	Methoxychlor #2	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MS	PL095105.D	Tetrachloro-m-xylene	Abdul	4/9/2025 8:18:49 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MSD	PL095106.D	4,4"-DDD	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MSD	PL095106.D	Endrin #2	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software

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Sequence:	pl040825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1730-01MSD	PL095106.D	Endrin ketone #2	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MSD	PL095106.D	gamma-BHC (Lindane) #2	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MSD	PL095106.D	Methoxychlor #2	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-01MSD	PL095106.D	Tetrachloro-m-xylene	Abdul	4/9/2025 8:18:52 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-03	PL095107.D	Tetrachloro-m-xylene	Abdul	4/9/2025 8:18:55 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
Q1730-05	PL095108.D	Tetrachloro-m-xylene	Abdul	4/9/2025 8:18:59 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095111.D	4,4"-DDE #2	Abdul	4/9/2025 8:19:03 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095111.D	Dieldrin #2	Abdul	4/9/2025 8:19:03 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095111.D	Endrin ketone #2	Abdul	4/9/2025 8:19:03 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095111.D	Methoxychlor #2	Abdul	4/9/2025 8:19:03 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095111.D	Mirex #2	Abdul	4/9/2025 8:19:03 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PCHLORCCC500	PL095112.D	Chlordane-2	Abdul	4/9/2025 8:19:07 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PCHLORCCC500	PL095112.D	Chlordane-5	Abdul	4/9/2025 8:19:07 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software

Manual Integration Report

Sequence:

pl040825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL095112.D	Chlordane-5 #2	Abdul	4/9/2025 8:19:07 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095125.D	4,4"-DDE #2	Abdul	4/9/2025 8:19:41 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095125.D	Dieldrin #2	Abdul	4/9/2025 8:19:41 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software
PSTDCCC050	PL095125.D	Endrin #2	Abdul	4/9/2025 8:19:41 AM	mohammad	4/10/2025 5:30:03	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095128.D	4,4"-DDD	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	4,4"-DDE	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	4,4"-DDE #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin aldehyde	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Endrin ketone #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095128.D	Methoxychlor #2	Abdul	4/10/2025 9:01:59 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	4,4"-DDE #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Dieldrin #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endosulfan I #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endosulfan II #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endrin	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

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Sequence:	pl040925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095129.D	Endrin #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Endrin ketone #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095129.D	Heptachlor epoxide #2	Abdul	4/10/2025 9:02:03 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PB167473BS	PL095130.D	Endrin ketone #2	Abdul	4/10/2025 9:02:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PB167473BS	PL095130.D	Mirex #2	Abdul	4/10/2025 9:02:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	4,4"-DDE #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Dieldrin #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endosulfan II #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endrin	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095138.D	Endrin #2	Abdul	4/10/2025 9:02:26 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	4,4"-DDE	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	Endrin	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095148.D	Endrin aldehyde	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PEM	PL095148.D	Endrin ketone #2	Abdul	4/10/2025 9:03:02 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Dieldrin #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Endosulfan II #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Endrin ketone #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Methoxychlor	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095149.D	Mirex #2	Abdul	4/10/2025 9:03:06 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	4,4"-DDE #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	alpha-Chlordane #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Dieldrin #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endosulfan I #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endosulfan II #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095163.D	Endrin	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Endrin ketone #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	gamma-Chlordane #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software
PSTDCCC050	PL095163.D	Mirex #2	Abdul	4/10/2025 9:03:38 AM	mohammad	4/11/2025 1:23:20	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,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	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,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	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040725

Review By	Abdul	Review On	4/8/2025 9:08:28 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:10 AM
SubDirectory	PL040725	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095055.D	07 Apr 2025 09:20	AR\AJ	Ok
2	I.BLK	PL095056.D	07 Apr 2025 09:34	AR\AJ	Not Ok
3	PEM	PL095057.D	07 Apr 2025 09:48	AR\AJ	Not Ok
4	PSTDCCC050	PL095058.D	07 Apr 2025 10:26	AR\AJ	Not Ok
5	PCHLORCCC500	PL095059.D	07 Apr 2025 15:10	AR\AJ	Not Ok
6	PTOXCCC500	PL095060.D	07 Apr 2025 15:38	AR\AJ	Not Ok
7	PB167473BL	PL095061.D	07 Apr 2025 15:56	AR\AJ	Not Ok
8	PB167473BS	PL095062.D	07 Apr 2025 16:27	AR\AJ	Not Ok
9	PB167473BS	PL095063.D	07 Apr 2025 17:17	AR\AJ	Not Ok
10	PB167473BS	PL095064.D	07 Apr 2025 17:49	AR\AJ	Not Ok
11	Q1730-01	PL095065.D	07 Apr 2025 18:05	AR\AJ	Not Ok
12	Q1730-01MS	PL095066.D	07 Apr 2025 18:19	AR\AJ	Not Ok
13	Q1730-01MSD	PL095067.D	07 Apr 2025 18:32	AR\AJ	Not Ok
14	Q1730-03	PL095068.D	07 Apr 2025 18:46	AR\AJ	Not Ok
15	Q1730-05	PL095069.D	07 Apr 2025 19:00	AR\AJ	Not Ok
16	Q1730-07	PL095070.D	07 Apr 2025 19:14	AR\AJ	Not Ok
17	I.BLK	PL095071.D	07 Apr 2025 19:27	AR\AJ	Ok
18	PEM	PL095072.D	07 Apr 2025 19:41	AR\AJ	Ok,M
19	PSTDCCC050	PL095073.D	07 Apr 2025 19:55	AR\AJ	Ok,M
20	PCHLORCCC500	PL095074.D	07 Apr 2025 20:09	AR\AJ	Ok,M
21	PTOXCCC500	PL095075.D	07 Apr 2025 20:22	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040725

Review By	Abdul	Review On	4/8/2025 9:08:28 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:10 AM
SubDirectory	PL040725	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1730-09	PL095076.D	07 Apr 2025 20:36	AR\AJ	Ok,M
23	Q1730-11	PL095077.D	07 Apr 2025 20:50	AR\AJ	Ok,M
24	Q1730-13	PL095078.D	07 Apr 2025 21:04	AR\AJ	Ok,M
25	Q1730-15	PL095079.D	07 Apr 2025 21:17	AR\AJ	Ok,M
26	Q1730-17	PL095080.D	07 Apr 2025 21:31	AR\AJ	Ok,M
27	Q1730-19	PL095081.D	07 Apr 2025 21:45	AR\AJ	Ok
28	Q1733-01	PL095082.D	07 Apr 2025 21:59	AR\AJ	Ok
29	Q1737-01	PL095083.D	07 Apr 2025 22:12	AR\AJ	Ok,M
30	Q1738-01	PL095084.D	07 Apr 2025 22:26	AR\AJ	Ok
31	I.BLK	PL095085.D	07 Apr 2025 22:40	AR\AJ	Ok
32	PSTDCCC050	PL095086.D	07 Apr 2025 23:07	AR\AJ	Ok
33	PCHLORCCC500	PL095087.D	07 Apr 2025 23:21	AR\AJ	Ok,M
34	PTOXCCC500	PL095088.D	07 Apr 2025 23:35	AR\AJ	Ok
35	Q1732-01	PL095089.D	07 Apr 2025 23:49	AR\AJ	Ok,M
36	I.BLK	PL095090.D	08 Apr 2025 00:02	AR\AJ	Ok
37	PSTDCCC050	PL095091.D	08 Apr 2025 00:16	AR\AJ	Ok,M
38	PCHLORCCC500	PL095092.D	08 Apr 2025 00:30	AR\AJ	Ok,M
39	PTOXCCC500	PL095093.D	08 Apr 2025 00:44	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040825

Review By	Abdul	Review On	4/9/2025 8:20:29 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:03 AM
SubDirectory	PL040825	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095094.D	08 Apr 2025 09:21	AR\AJ	Ok
2	I.BLK	PL095095.D	08 Apr 2025 09:35	AR\AJ	Ok
3	PEM	PL095096.D	08 Apr 2025 09:48	AR\AJ	Ok,M
4	PSTDCCC050	PL095097.D	08 Apr 2025 10:02	AR\AJ	Ok,M
5	PCHLORCCC500	PL095098.D	08 Apr 2025 10:16	AR\AJ	Ok,M
6	PTOXCCC500	PL095099.D	08 Apr 2025 10:59	AR\AJ	Ok
7	PB167473BL	PL095100.D	08 Apr 2025 11:19	AR\AJ	Ok
8	PB167473BS	PL095101.D	08 Apr 2025 11:32	AR\AJ	Not Ok
9	PB167473BS	PL095102.D	08 Apr 2025 11:49	AR\AJ	Ok,M
10	PB167473BS	PL095103.D	08 Apr 2025 13:03	AR\AJ	Ok
11	Q1730-01	PL095104.D	08 Apr 2025 13:17	AR\AJ	Ok,M
12	Q1730-01MS	PL095105.D	08 Apr 2025 13:30	AR\AJ	Ok,M
13	Q1730-01MSD	PL095106.D	08 Apr 2025 13:44	AR\AJ	Ok,M
14	Q1730-03	PL095107.D	08 Apr 2025 13:58	AR\AJ	Ok,M
15	Q1730-05	PL095108.D	08 Apr 2025 14:11	AR\AJ	Ok,M
16	Q1730-07	PL095109.D	08 Apr 2025 14:25	AR\AJ	Ok
17	I.BLK	PL095110.D	08 Apr 2025 14:39	AR\AJ	Ok
18	PSTDCCC050	PL095111.D	08 Apr 2025 14:52	AR\AJ	Ok,M
19	PCHLORCCC500	PL095112.D	08 Apr 2025 15:06	AR\AJ	Ok,M
20	PTOXCCC500	PL095113.D	08 Apr 2025 15:20	AR\AJ	Ok
21	PB167508BL	PL095114.D	08 Apr 2025 15:37	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040825

Review By	Abdul	Review On	4/9/2025 8:20:29 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:03 AM
SubDirectory	PL040825	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB167508BS	PL095115.D	08 Apr 2025 15:51	AR\AJ	Ok,M
23	Q1740-01	PL095116.D	08 Apr 2025 16:11	AR\AJ	Ok
24	Q1740-01MS	PL095117.D	08 Apr 2025 16:25	AR\AJ	Ok,M
25	Q1740-01MSD	PL095118.D	08 Apr 2025 16:38	AR\AJ	Ok,M
26	Q1742-01	PL095119.D	08 Apr 2025 16:52	AR\AJ	Ok,M
27	Q1743-01	PL095120.D	08 Apr 2025 17:06	AR\AJ	Ok,M
28	Q1745-01	PL095121.D	08 Apr 2025 17:19	AR\AJ	Ok,M
29	Q1745-09	PL095122.D	08 Apr 2025 17:33	AR\AJ	Ok
30	Q1747-01	PL095123.D	08 Apr 2025 17:47	AR\AJ	Ok,M
31	I.BLK	PL095124.D	08 Apr 2025 18:28	AR\AJ	Ok
32	PSTDCCC050	PL095125.D	08 Apr 2025 18:41	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095126.D	09 Apr 2025 08:16	AR\AJ	Ok
2	I.BLK	PL095127.D	09 Apr 2025 08:29	AR\AJ	Ok
3	PEM	PL095128.D	09 Apr 2025 08:43	AR\AJ	Ok,M
4	PSTDCCC050	PL095129.D	09 Apr 2025 08:57	AR\AJ	Ok,M
5	PB167473BS	PL095130.D	09 Apr 2025 11:03	AR\AJ	Ok,M
6	PB167523BL	PL095131.D	09 Apr 2025 12:28	AR\AJ	Ok
7	PB167523BS	PL095132.D	09 Apr 2025 14:50	AR\AJ	Ok,M
8	Q1748-01	PL095133.D	09 Apr 2025 15:41	AR\AJ	Ok,M
9	Q1748-05	PL095134.D	09 Apr 2025 15:54	AR\AJ	Ok,M
10	Q1754-01	PL095135.D	09 Apr 2025 16:08	AR\AJ	Ok,M
11	Q1754-03	PL095136.D	09 Apr 2025 16:22	AR\AJ	Ok,M
12	I.BLK	PL095137.D	09 Apr 2025 16:36	AR\AJ	Ok
13	PSTDCCC050	PL095138.D	09 Apr 2025 16:49	AR\AJ	Ok,M
14	Q1749-01	PL095139.D	09 Apr 2025 17:36	AR\AJ	Ok,M
15	Q1752-01	PL095140.D	09 Apr 2025 17:50	AR\AJ	Ok,M
16	Q1752-03	PL095141.D	09 Apr 2025 18:03	AR\AJ	Ok,M
17	Q1752-03MS	PL095142.D	09 Apr 2025 18:17	AR\AJ	Ok,M
18	Q1752-03MSD	PL095143.D	09 Apr 2025 18:31	AR\AJ	Ok,M
19	Q1739-02	PL095144.D	09 Apr 2025 18:45	AR\AJ	Ok,M
20	Q1739-02MS	PL095145.D	09 Apr 2025 18:58	AR\AJ	Ok,M
21	Q1739-02MSD	PL095146.D	09 Apr 2025 19:12	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	I.BLK	PL095147.D	09 Apr 2025 19:26	AR\AJ	Ok
23	PEM	PL095148.D	09 Apr 2025 19:39	AR\AJ	Ok,M
24	PSTDCCC050	PL095149.D	09 Apr 2025 20:20	AR\AJ	Ok,M
25	Q1752-05	PL095150.D	09 Apr 2025 20:34	AR\AJ	Ok,M
26	Q1752-07	PL095151.D	09 Apr 2025 20:48	AR\AJ	Ok,M
27	Q1753-01	PL095152.D	09 Apr 2025 21:02	AR\AJ	Ok
28	Q1753-05	PL095153.D	09 Apr 2025 21:15	AR\AJ	Ok
29	PB167535BL	PL095154.D	09 Apr 2025 21:29	AR\AJ	Ok
30	PB167535BS	PL095155.D	09 Apr 2025 21:43	AR\AJ	Not Ok
31	PB167488TB	PL095156.D	09 Apr 2025 21:56	AR\AJ	Ok
32	PB167517TB	PL095157.D	09 Apr 2025 22:10	AR\AJ	Ok
33	Q1744-02	PL095158.D	09 Apr 2025 22:24	AR\AJ	Ok,M
34	Q1744-04	PL095159.D	09 Apr 2025 22:38	AR\AJ	Ok,M
35	Q1746-02	PL095160.D	09 Apr 2025 22:51	AR\AJ	Ok,M
36	Q1746-04	PL095161.D	09 Apr 2025 23:05	AR\AJ	Ok,M
37	I.BLK	PL095162.D	09 Apr 2025 23:19	AR\AJ	Ok
38	PSTDCCC050	PL095163.D	09 Apr 2025 23:33	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,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	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,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	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P 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			

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040725

Review By	Abdul	Review On	4/8/2025 9:08:28 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:10 AM
SubDirectory	PL040725	HP Acquire Method	HP Processing Method p1031125 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,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095055.D	07 Apr 2025 09:20		AR\AJ	Ok
2	I.BLK	I.BLK	PL095056.D	07 Apr 2025 09:34	PEM fail	AR\AJ	Not Ok
3	PEM	PEM	PL095057.D	07 Apr 2025 09:48	PEM Fail	AR\AJ	Not Ok
4	PSTDCCC050	PSTDCCC050	PL095058.D	07 Apr 2025 10:26	PEM Fail	AR\AJ	Not Ok
5	PCHLORCCC500	PCHLORCCC500	PL095059.D	07 Apr 2025 15:10	PEM Fail	AR\AJ	Not Ok
6	PTOXCCC500	PTOXCCC500	PL095060.D	07 Apr 2025 15:38	PEM Fail	AR\AJ	Not Ok
7	PB167473BL	PB167473BL	PL095061.D	07 Apr 2025 15:56	PEM Fail	AR\AJ	Not Ok
8	PB167473BS	PB167473BS	PL095062.D	07 Apr 2025 16:27	PEM Fail	AR\AJ	Not Ok
9	PB167473BS	PB167473BS	PL095063.D	07 Apr 2025 17:17	PEM Fail	AR\AJ	Not Ok
10	PB167473BS	PB167473BS	PL095064.D	07 Apr 2025 17:49	PEM Fail	AR\AJ	Not Ok
11	Q1730-01	OU4-VSL-15-040325	PL095065.D	07 Apr 2025 18:05	PEM Fail	AR\AJ	Not Ok
12	Q1730-01MS	OU4-VSL-15-040325M	PL095066.D	07 Apr 2025 18:19	PEM Fail	AR\AJ	Not Ok
13	Q1730-01MSD	OU4-VSL-15-040325M	PL095067.D	07 Apr 2025 18:32	PEM Fail	AR\AJ	Not Ok
14	Q1730-03	OU4-VSL-16-040325	PL095068.D	07 Apr 2025 18:46	PEM Fail	AR\AJ	Not Ok
15	Q1730-05	OU4-VSL-17-040325	PL095069.D	07 Apr 2025 19:00	DCB High in 1st column PEM Fail	AR\AJ	Not Ok
16	Q1730-07	OU4-PCS-TC-21-040325	PL095070.D	07 Apr 2025 19:14	PEM Fail	AR\AJ	Not Ok
17	I.BLK	I.BLK	PL095071.D	07 Apr 2025 19:27		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040725

Review By	Abdul	Review On	4/8/2025 9:08:28 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:10 AM
SubDirectory	PL040725	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PEM	PEM	PL095072.D	07 Apr 2025 19:41		AR\AJ	Ok,M
19	PSTDCCC050	PSTDCCC050	PL095073.D	07 Apr 2025 19:55		AR\AJ	Ok,M
20	PCHLORCCC500	PCHLORCCC500	PL095074.D	07 Apr 2025 20:09		AR\AJ	Ok,M
21	PTOXCCC500	PTOXCCC500	PL095075.D	07 Apr 2025 20:22		AR\AJ	Ok
22	Q1730-09	OU4-PCS-TC-22-04032	PL095076.D	07 Apr 2025 20:36		AR\AJ	Ok,M
23	Q1730-11	OU4-PCS-TC-23-04032	PL095077.D	07 Apr 2025 20:50		AR\AJ	Ok,M
24	Q1730-13	OU4-PCS-TC-24-04032	PL095078.D	07 Apr 2025 21:04		AR\AJ	Ok,M
25	Q1730-15	OU4-PCS-TC-25-04032	PL095079.D	07 Apr 2025 21:17		AR\AJ	Ok,M
26	Q1730-17	OU4-PCS-TC-26-04032	PL095080.D	07 Apr 2025 21:31		AR\AJ	Ok,M
27	Q1730-19	OU4-CF-15-040325	PL095081.D	07 Apr 2025 21:45		AR\AJ	Ok
28	Q1733-01	ETGI-328	PL095082.D	07 Apr 2025 21:59		AR\AJ	Ok
29	Q1737-01	RT3069	PL095083.D	07 Apr 2025 22:12		AR\AJ	Ok,M
30	Q1738-01	OK-02-040425	PL095084.D	07 Apr 2025 22:26		AR\AJ	Ok
31	I.BLK	I.BLK	PL095085.D	07 Apr 2025 22:40		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL095086.D	07 Apr 2025 23:07		AR\AJ	Ok
33	PCHLORCCC500	PCHLORCCC500	PL095087.D	07 Apr 2025 23:21		AR\AJ	Ok,M
34	PTOXCCC500	PTOXCCC500	PL095088.D	07 Apr 2025 23:35		AR\AJ	Ok
35	Q1732-01	TT-8	PL095089.D	07 Apr 2025 23:49		AR\AJ	Ok,M
36	I.BLK	I.BLK	PL095090.D	08 Apr 2025 00:02		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040725

Review By	Abdul	Review On	4/8/2025 9:08:28 AM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:10 AM
SubDirectory	PL040725	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	PSTDCCC050	PSTDCCC050	PL095091.D	08 Apr 2025 00:16		AR\AJ	Ok,M
38	PCHLORCCC500	PCHLORCCC500	PL095092.D	08 Apr 2025 00:30		AR\AJ	Ok,M
39	PTOXCCC500	PTOXCCC500	PL095093.D	08 Apr 2025 00:44		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040825

Review By	Abdul	Review On	4/9/2025 8:20:29 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:03 AM
SubDirectory	PL040825	HP Acquire Method	HP Processing Method p1031125 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,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095094.D	08 Apr 2025 09:21		AR\AJ	Ok
2	I.BLK	I.BLK	PL095095.D	08 Apr 2025 09:35		AR\AJ	Ok
3	PEM	PEM	PL095096.D	08 Apr 2025 09:48		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095097.D	08 Apr 2025 10:02		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL095098.D	08 Apr 2025 10:16		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL095099.D	08 Apr 2025 10:59		AR\AJ	Ok
7	PB167473BL	PB167473BL	PL095100.D	08 Apr 2025 11:19		AR\AJ	Ok
8	PB167473BS	PB167473BS	PL095101.D	08 Apr 2025 11:32	methoxychlor recovery high	AR\AJ	Not Ok
9	PB167473BS	PB167473BS	PL095102.D	08 Apr 2025 11:49		AR\AJ	Ok,M
10	PB167473BS	PB167473BS	PL095103.D	08 Apr 2025 13:03		AR\AJ	Ok
11	Q1730-01	OU4-VSL-15-040325	PL095104.D	08 Apr 2025 13:17		AR\AJ	Ok,M
12	Q1730-01MS	OU4-VSL-15-040325M	PL095105.D	08 Apr 2025 13:30		AR\AJ	Ok,M
13	Q1730-01MSD	OU4-VSL-15-040325M	PL095106.D	08 Apr 2025 13:44		AR\AJ	Ok,M
14	Q1730-03	OU4-VSL-16-040325	PL095107.D	08 Apr 2025 13:58		AR\AJ	Ok,M
15	Q1730-05	OU4-VSL-17-040325	PL095108.D	08 Apr 2025 14:11		AR\AJ	Ok,M
16	Q1730-07	OU4-PCS-TC-21-040325	PL095109.D	08 Apr 2025 14:25		AR\AJ	Ok
17	I.BLK	I.BLK	PL095110.D	08 Apr 2025 14:39		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PL095111.D	08 Apr 2025 14:52		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040825

Review By	Abdul	Review On	4/9/2025 8:20:29 AM
Supervise By	mohammad	Supervise On	4/10/2025 5:30:03 AM
SubDirectory	PL040825	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PCHLORCCC500	PCHLORCCC500	PL095112.D	08 Apr 2025 15:06		AR\AJ	Ok,M
20	PTOXCCC500	PTOXCCC500	PL095113.D	08 Apr 2025 15:20		AR\AJ	Ok
21	PB167508BL	PB167508BL	PL095114.D	08 Apr 2025 15:37		AR\AJ	Ok
22	PB167508BS	PB167508BS	PL095115.D	08 Apr 2025 15:51		AR\AJ	Ok,M
23	Q1740-01	TP-20	PL095116.D	08 Apr 2025 16:11		AR\AJ	Ok
24	Q1740-01MS	TP-20MS	PL095117.D	08 Apr 2025 16:25		AR\AJ	Ok,M
25	Q1740-01MSD	TP-20MSD	PL095118.D	08 Apr 2025 16:38		AR\AJ	Ok,M
26	Q1742-01	TR-06-040725	PL095119.D	08 Apr 2025 16:52		AR\AJ	Ok,M
27	Q1743-01	TP-16	PL095120.D	08 Apr 2025 17:06		AR\AJ	Ok,M
28	Q1745-01	IB-6A-WC	PL095121.D	08 Apr 2025 17:19		AR\AJ	Ok,M
29	Q1745-09	IB-6.5-WC	PL095122.D	08 Apr 2025 17:33		AR\AJ	Ok
30	Q1747-01	ARS20-0008	PL095123.D	08 Apr 2025 17:47		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL095124.D	08 Apr 2025 18:28		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL095125.D	08 Apr 2025 18:41		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method p1031125 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,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095126.D	09 Apr 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PL095127.D	09 Apr 2025 08:29		AR\AJ	Ok
3	PEM	PEM	PL095128.D	09 Apr 2025 08:43		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095129.D	09 Apr 2025 08:57		AR\AJ	Ok,M
5	PB167473BS	PB167473BS	PL095130.D	09 Apr 2025 11:03		AR\AJ	Ok,M
6	PB167523BL	PB167523BL	PL095131.D	09 Apr 2025 12:28		AR\AJ	Ok
7	PB167523BS	PB167523BS	PL095132.D	09 Apr 2025 14:50		AR\AJ	Ok,M
8	Q1748-01	IB-1.5-WC	PL095133.D	09 Apr 2025 15:41		AR\AJ	Ok,M
9	Q1748-05	IB-2A-WC	PL095134.D	09 Apr 2025 15:54		AR\AJ	Ok,M
10	Q1754-01	TP-1	PL095135.D	09 Apr 2025 16:08		AR\AJ	Ok,M
11	Q1754-03	TP-1-CONCRETE	PL095136.D	09 Apr 2025 16:22		AR\AJ	Ok,M
12	I.BLK	I.BLK	PL095137.D	09 Apr 2025 16:36		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL095138.D	09 Apr 2025 16:49		AR\AJ	Ok,M
14	Q1749-01	TP-14	PL095139.D	09 Apr 2025 17:36		AR\AJ	Ok,M
15	Q1752-01	TP-1	PL095140.D	09 Apr 2025 17:50		AR\AJ	Ok,M
16	Q1752-03	TP-2	PL095141.D	09 Apr 2025 18:03		AR\AJ	Ok,M
17	Q1752-03MS	TP-2MS	PL095142.D	09 Apr 2025 18:17		AR\AJ	Ok,M
18	Q1752-03MSD	TP-2MSD	PL095143.D	09 Apr 2025 18:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1739-02	WC-LIQUID-20250404	PL095144.D	09 Apr 2025 18:45	TCMX low in both column, confirmed with MS/MSD	AR\AJ	Ok,M
20	Q1739-02MS	WC-LIQUID-20250404	PL095145.D	09 Apr 2025 18:58	TCMX low in both column , Comp#8,14,20 recovery fail	AR\AJ	Ok,M
21	Q1739-02MSD	WC-LIQUID-20250404	PL095146.D	09 Apr 2025 19:12	TCMX low in both column , Comp#8,14,20 recovery fail	AR\AJ	Ok,M
22	I.BLK	I.BLK	PL095147.D	09 Apr 2025 19:26		AR\AJ	Ok
23	PEM	PEM	PL095148.D	09 Apr 2025 19:39		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PL095149.D	09 Apr 2025 20:20		AR\AJ	Ok,M
25	Q1752-05	TP-4	PL095150.D	09 Apr 2025 20:34		AR\AJ	Ok,M
26	Q1752-07	TP-3	PL095151.D	09 Apr 2025 20:48		AR\AJ	Ok,M
27	Q1753-01	WC-1	PL095152.D	09 Apr 2025 21:02		AR\AJ	Ok
28	Q1753-05	WC-2	PL095153.D	09 Apr 2025 21:15		AR\AJ	Ok
29	PB167535BL	PB167535BL	PL095154.D	09 Apr 2025 21:29		AR\AJ	Ok
30	PB167535BS	PB167535BS	PL095155.D	09 Apr 2025 21:43	All surrogate fail , Comp#16,20 recovery fail	AR\AJ	Not Ok
31	PB167488TB	PB167488TB	PL095156.D	09 Apr 2025 21:56		AR\AJ	Ok
32	PB167517TB	PB167517TB	PL095157.D	09 Apr 2025 22:10		AR\AJ	Ok
33	Q1744-02	B-158-SB01	PL095158.D	09 Apr 2025 22:24		AR\AJ	Ok,M
34	Q1744-04	B-158-SB02	PL095159.D	09 Apr 2025 22:38		AR\AJ	Ok,M
35	Q1746-02	B-149-SB01	PL095160.D	09 Apr 2025 22:51		AR\AJ	Ok,M
36	Q1746-04	B-149-SB02	PL095161.D	09 Apr 2025 23:05		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040925

Review By	Abdul	Review On	4/10/2025 9:04:04 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:20 AM
SubDirectory	PL040925	HP Acquire Method	HP Processing Method pl031125 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,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	I.BLK	I.BLK	PL095162.D	09 Apr 2025 23:19		AR\AJ	Ok
38	PSTDCCC050	PSTDCCC050	PL095163.D	09 Apr 2025 23:33		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

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
Q1729-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1729-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1729-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1729-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1729-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1729-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1729-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1729-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1729-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1729-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1730-01	OU4-VSL-15-040325	11	1.14	10.58	11.72	11.39	96.9	
Q1730-03	OU4-VSL-16-040325	12	1.15	10.28	11.43	10.86	94.5	
Q1730-05	OU4-VSL-17-040325	13	1.16	11.32	12.48	11.62	92.4	
Q1730-07	OU4-PCS-TC-21-040325	14	1.18	10.92	12.1	10.9	89.0	
Q1730-09	OU4-PCS-TC-22-040325	15	1.16	11.79	12.95	11.87	90.8	
Q1730-11	OU4-PCS-TC-23-040325	16	1.19	11.24	12.43	11.41	90.9	
Q1730-13	OU4-PCS-TC-24-040325	17	1.18	10.42	11.6	10.69	91.3	
Q1730-15	OU4-PCS-TC-25-040325	18	1.14	11.13	12.27	11.43	92.5	
Q1730-17	OU4-PCS-TC-26-040325	19	1.15	10.84	11.99	11.13	92.1	
Q1730-19	OU4-CF-15-040325	20	1.15	10.74	11.89	11.23	93.9	
Q1732-01	TT-8	21	1.15	10.40	11.55	10.48	89.7	
Q1732-02	TT-8-EPH	22	1.15	10.33	11.48	10.34	89.0	
Q1732-03	TT-8-VOC	23	1.19	10.01	11.2	10.11	89.1	
Q1733-01	ETGI-328	24	1.18	10.19	11.37	8.37	70.6	
Q1733-02	ETGI-328-E2	25	1.18	10.29	11.47	8.27	68.9	
Q1734-01	HEH6237-1-1	26	1.00	1.00	2.00	2.00	100.0	pile
Q1734-02	HEH6237-1-2	27	1.00	1.00	2.00	2.00	100.0	pile
Q1734-03	STJ23-1-1	28	1.00	1.00	2.00	2.00	100.0	pile

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

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
Q1734-04	STJ23-1-2	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-05	HIA989S-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-06	HIA989S-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-07	HED302R-1-1	32	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-08	HED302R-1-2	33	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-09	HED302R-2-1	34	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-10	HED302R-2-2	35	1.00	1.00	2.00	2.00	100.0	oilc
Q1735-01	50660-50661-50662-5663-COMP	36	1.18	10.92	12.1	10.42	84.6	
Q1736-01	GST1	37	1.18	10.04	11.22	9.07	78.6	
Q1736-02	GST2	38	1.18	10.93	12.11	9.98	80.5	
Q1737-01	RT3069	39	1.19	11.58	12.77	11.34	87.7	
Q1738-01	OK-02-040425	40	1.16	10.34	11.5	10.06	86.1	
Q1738-02	OK-02-040425-E2	41	1.19	10.54	11.73	10.37	87.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1736-02	GST2	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1730-01	OU4-VSL-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-03	OU4-VSL-16-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-05	OU4-VSL-17-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-07	OU4-PCS-TC-21-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-09	OU4-PCS-TC-22-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-11	OU4-PCS-TC-23-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-13	OU4-PCS-TC-24-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-15	OU4-PCS-TC-25-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-17	OU4-PCS-TC-26-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-19	OU4-CF-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO

Date/Time 04/04/25 1520

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Q1730-Pesticide-TCL

Date/Time 04/04/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W2135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1729-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1732-01	TT-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-02	TT-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-03	TT-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-01	ETGI-328	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-02	ETGI-328-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-01	HEH6237-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-08	HED302R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-09	HED302R-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-10	HED302R-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1735-01	50660-50661-50662-5663-COM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1737-01	RT3069	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-02	HEH6237-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-03	STJ23-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-04	STJ23-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-05	HIA989S-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-06	HIA989S-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-07	HED302R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-01	OK-02-040425	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-02	OK-02-040425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/04/2025	Chemtech -SO

Date/Time 04/04/25 15:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/04/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

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 : 04/07/2025

Extraction Start Time : 08:20

Extraction End Date : 04/07/2025

Extraction End Time : 11:30

Concentration By: EH

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24217
Spike Sol 2	2.0ML	1000 PPB	pp24080
Spike Sol 3	2.0ML	1000 PPB	pp24081
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Hexane	N/A	E3916
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

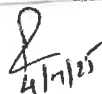
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25	RP (Sat, 12:45)	T. P. Prestipal
11/35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	(g) / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167473BL	PBLK473	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167473BS	PLCS473	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1730-01	OU4-VSL-15-040325	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q1730-01MS	OU4-VSL-15-040325MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q1730-01MS D	OU4-VSL-15-040325MSD	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5
Q1730-03	OU4-VSL-16-040325	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q1730-05	OU4-VSL-17-040325	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q1730-07	OU4-PCS-TC-21-040325	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		2
Q1730-09	OU4-PCS-TC-22-040325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q1730-11	OU4-PCS-TC-23-040325	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q1730-13	OU4-PCS-TC-24-040325	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q1730-15	OU4-PCS-TC-25-040325	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
Q1730-17	OU4-PCS-TC-26-040325	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q1730-19	OU4-CF-15-040325	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1732-01	TT-8	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		3
Q1733-01	ETGI-328	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E	Small Particle	4
Q1737-01	RT3069	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
Q1738-01	OK-02-040425	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
	TOXAPHENE		30.00							U4-1
	CHLORDANE		30.03							2

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1732

WorkList ID : 188759

Department : Extraction

Date : 04-07-2025 08:15:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1730-01	OU4-VSL-15-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-03	OU4-VSL-16-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-05	OU4-VSL-17-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-07	OU4-PCS-TC-21-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-09	OU4-PCS-TC-22-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-11	OU4-PCS-TC-23-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-13	OU4-PCS-TC-24-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-15	OU4-PCS-TC-25-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-17	OU4-PCS-TC-26-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1730-19	OU4-CF-15-040325	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1732-01	TT-8	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L31	04/03/2025	8081B
Q1733-01	ETGI-328	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	04/04/2025	8081B
Q1737-01	RT3069	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	04/04/2025	8081B
Q1738-01	OK-02-040425	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	04/04/2025	8081B

Date/Time 04/07/25 8:17
 Raw Sample Received by: RS (Ext 104)
 Raw Sample Relinquished by: CP SM

Date/Time 07/07/25 3:00
 Raw Sample Received by: OR SM
 Raw Sample Relinquished by: RS (Ext 104)
 471 of 772

Prep Standard - Chemical Standard Summary

Order ID : Q1730
Test : Pesticide-TCL
Prepbatch ID : PB167473,
Sequence ID/Qc Batch ID: PL040725,pl040825,pl040925,

Standard ID :
 EP2592,EP2597,PP24095,PP24217,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP
 24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP2
 4279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,

Chemical ID :
 E2865,E3551,E3806,E3847,E3876,E3877,E3914,E3916,P12603,P 12611,P13037,P13040,P13195,P13245,P13354,P13
 356,P13405,P13785,P13861,P9052,pp24080,pp24081,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	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025

FROM 4000.00000ml of E3876 + 4000.00000ml of E3877 = 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	EP2597	03/28/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang 03/28/2025

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>
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>
465	200 PPB Pest/PCB Surrogate Spike	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 ml

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	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

<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

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>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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-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 / Rajesh	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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 #
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

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	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	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

CHEMICAL RECEIPT LOG BOOK

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

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

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

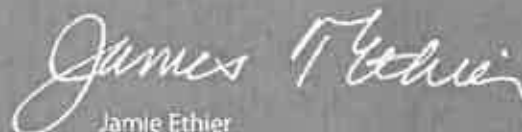
Certificate of Analysis

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



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

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
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N/A			
Result Name	Units	Specifications	Test Value
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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
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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

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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.

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:

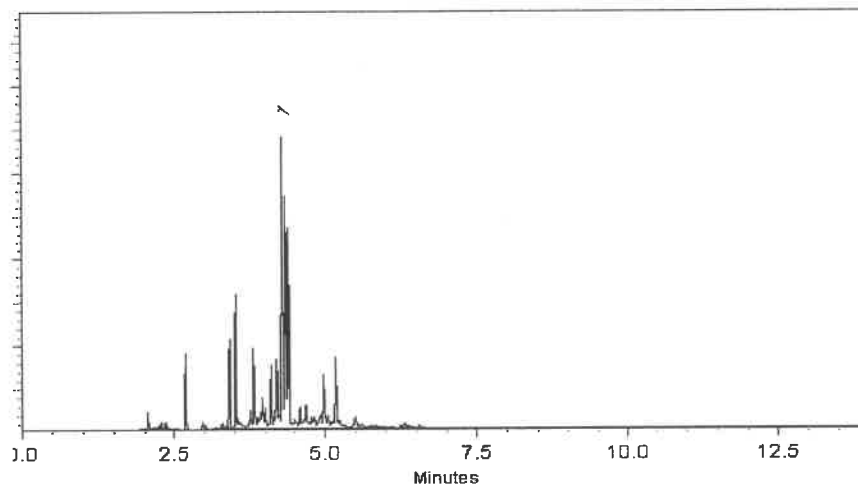
ECD

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
P 12611
↓
P 12615 } (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%

P13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

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

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

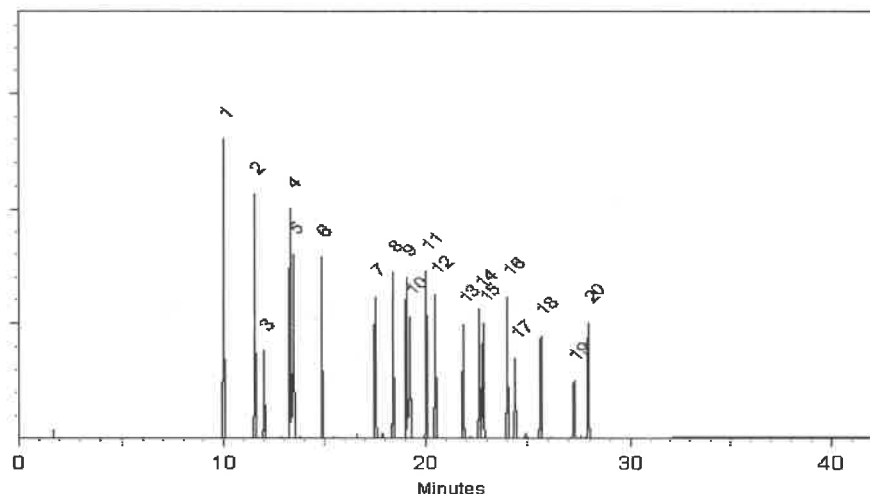
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



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

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

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



CERTIFIED WEIGHT REPORT

Part Number:	<u>79136</u>
Lot Number:	<u>042022</u>
Description:	<u>Mirex</u>

Solvent(s):	Lot#
Acetone	81025

Expiration Date: 042027

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration ($\mu\text{g/mL}$):

NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty

Formulated By:		042022
Reviewed By:		042022
Formulated By:	Prashant Chauhan	DATE
Reviewed By:	Pedro L. Renterias	DATE

Reviewed By:

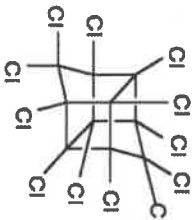
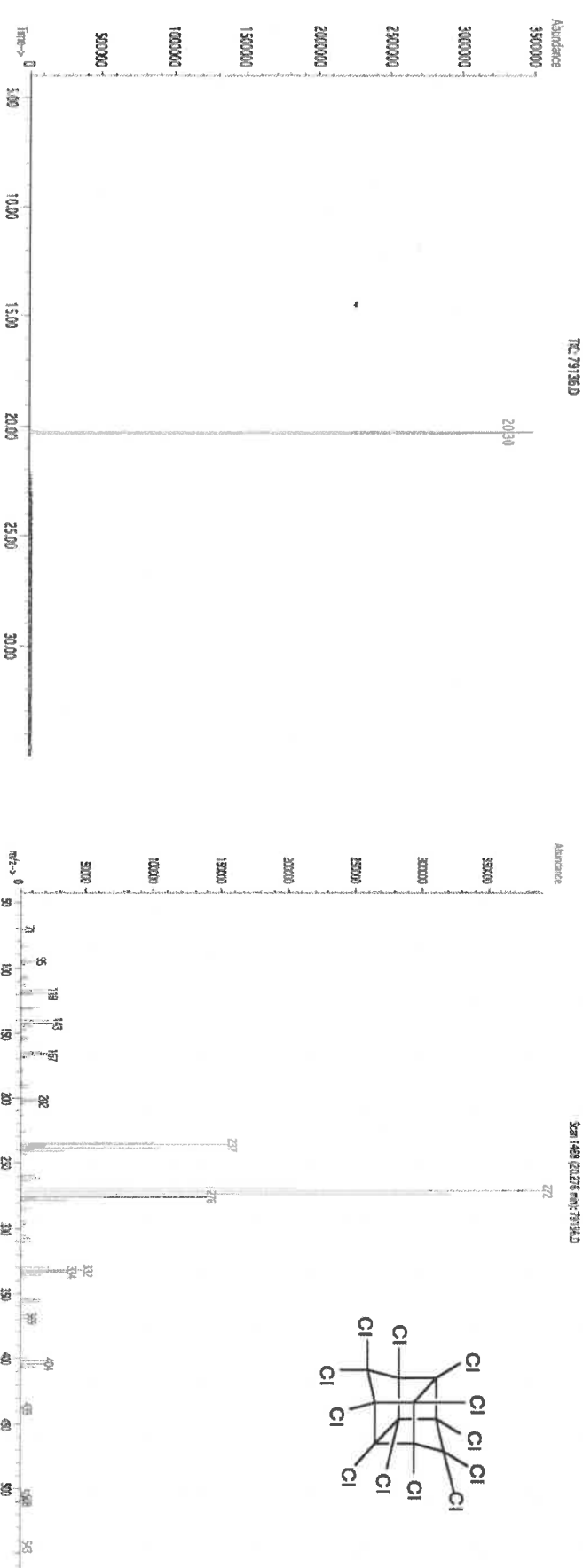
Pedro L. Renterias

DATE _____

SDS Information

[illegible][illegible]

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.



$P_{13} | 195$
 $\downarrow$
 $P_{13} | 199$
 $\downarrow$
 (5)
 $|$

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
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:

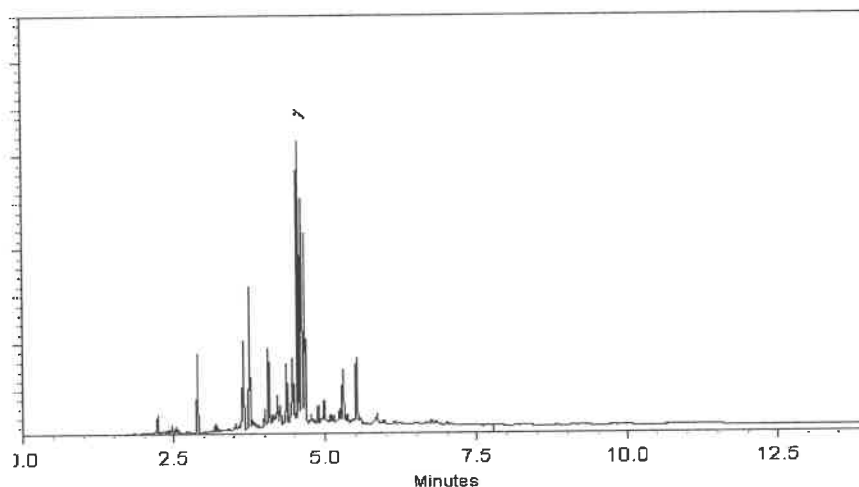
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

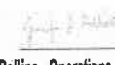


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

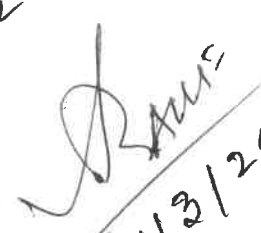
Date Mixed: 11-May-2023

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

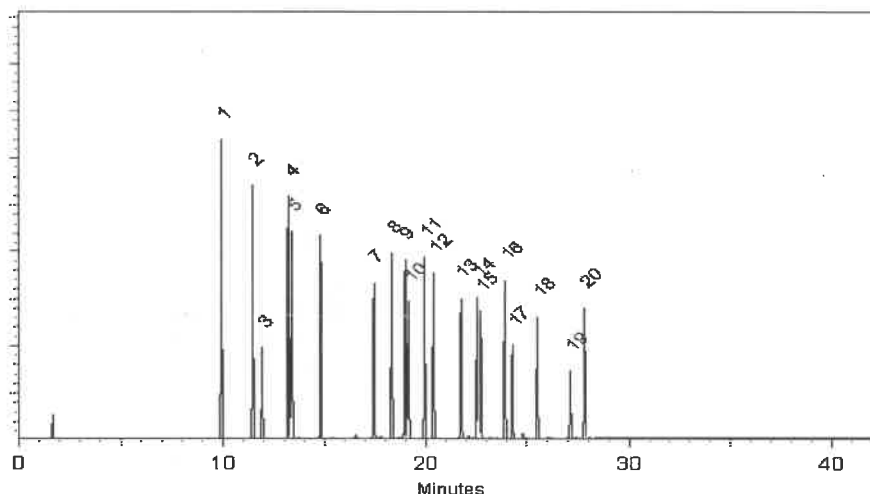
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **19161**
Lot Number: **013124**
Description: **CLP Pesticides & PCBs Resolution Check Standard**

Expiration Date: **013129**
Recommended Storage: **Varied**
Nominal Concentration (µg/mL): **6UTB**

Volume(s) shown below were combined and diluted to (mL): **100.0**

Balance Uncertainty: **5E-05**
Pipette Uncertainty: **0.021**

Formulated By: <i>Lawrence Barry</i>	DATE: 013124
Reviewed By: <i>Pedro L. Rentes</i>	DATE: 013124

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	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)	or-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)	or-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	or-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)	or-rat 38300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-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	or-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

Handwritten: P13243, P13244, P13245, P13246, P13247, P13248, P13249, P13250, P13251, P13252, P13253, P13254, P13255, P13256, P13257, P13258, P13259, P13260, P13261, P13262, P13263, P13264, P13265, P13266, P13267, P13268, P13269, P13270, P13271, P13272, P13273, P13274, P13275, P13276, P13277, P13278, P13279, P13280, P13281, P13282, P13283, P13284, P13285, P13286, P13287, P13288, P13289, P13290, P13291, P13292, P13293, P13294, P13295, P13296, P13297, P13298, P13299, P13300, P13301, P13302, P13303, P13304, P13305, P13306, P13307, P13308, P13309, P13310, P13311, P13312, P13313, P13314, P13315, P13316, P13317, P13318, P13319, P13320, P13321, P13322, P13323, P13324, P13325, P13326, P13327, P13328, P13329, P13330, P13331, P13332, P13333, P13334, P13335, P13336, P13337, P13338, P13339, P13340, P13341, P13342, P13343, P13344, P13345, P13346, P13347, P13348, P13349, P13350, P13351, P13352, P13353, P13354, P13355, P13356, P13357, P13358, P13359, P13360, P13361, P13362, P13363, P13364, P13365, 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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

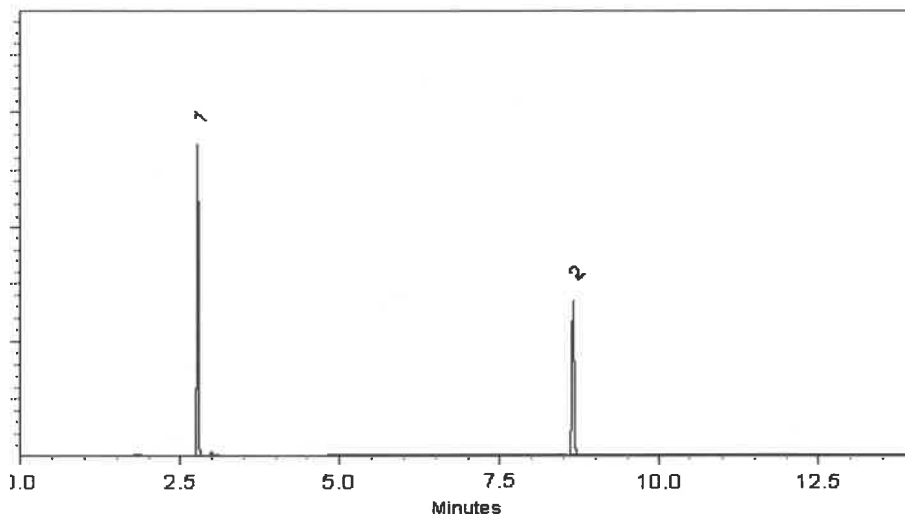
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
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

P13348
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P13357
10

SAUF
04/25/2025



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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

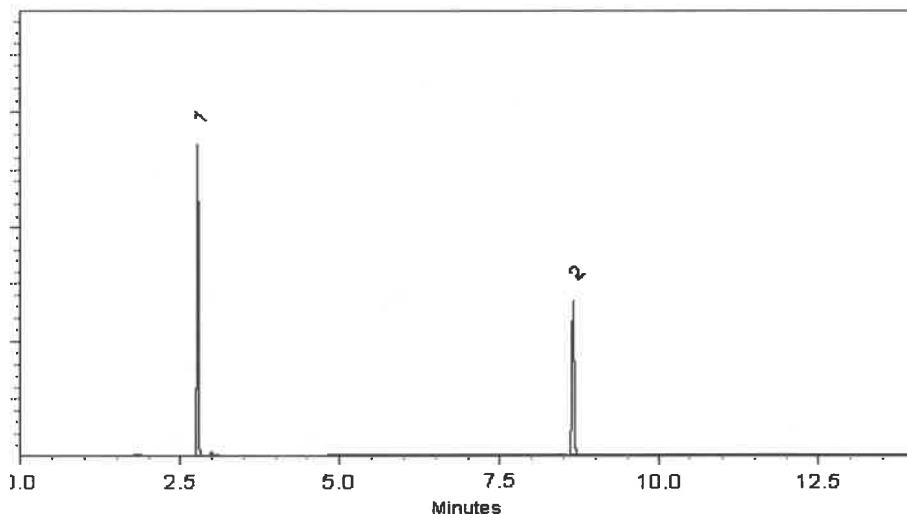
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10

SAUF
04/25/2025



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

Catalog No. : 32005 **Lot No.:** A0203038

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

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2021

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

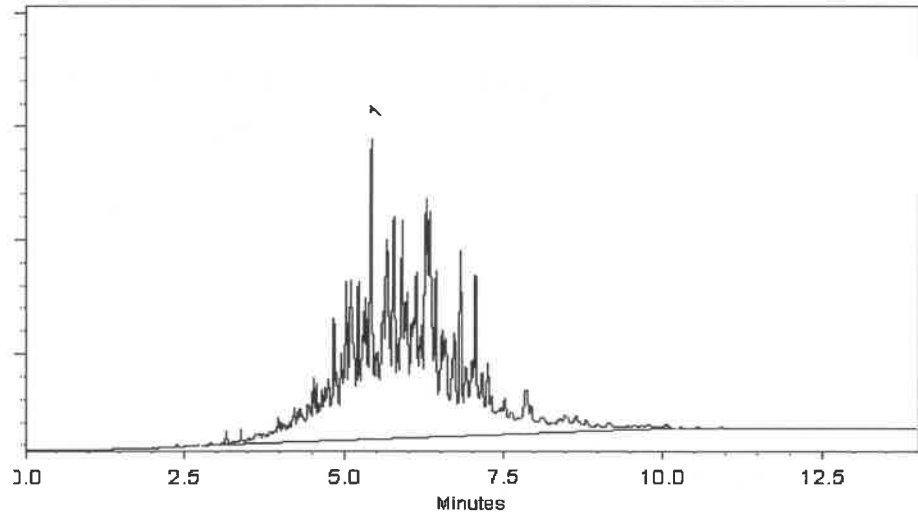
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

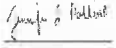


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

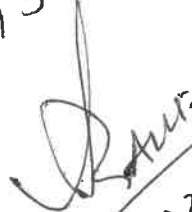
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



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

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

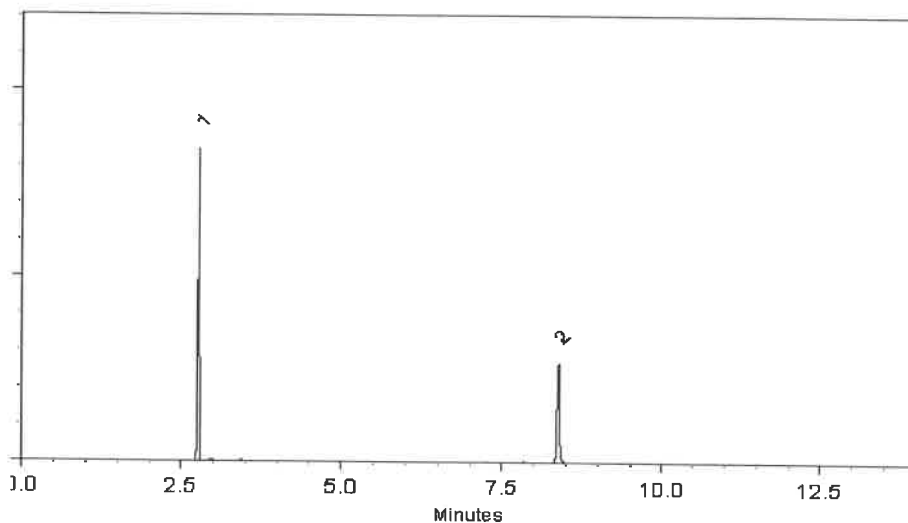
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

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



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

Catalog No. : 32005 **Lot No.:** A0210240

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

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

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

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

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

P13861
P13862
12/9/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

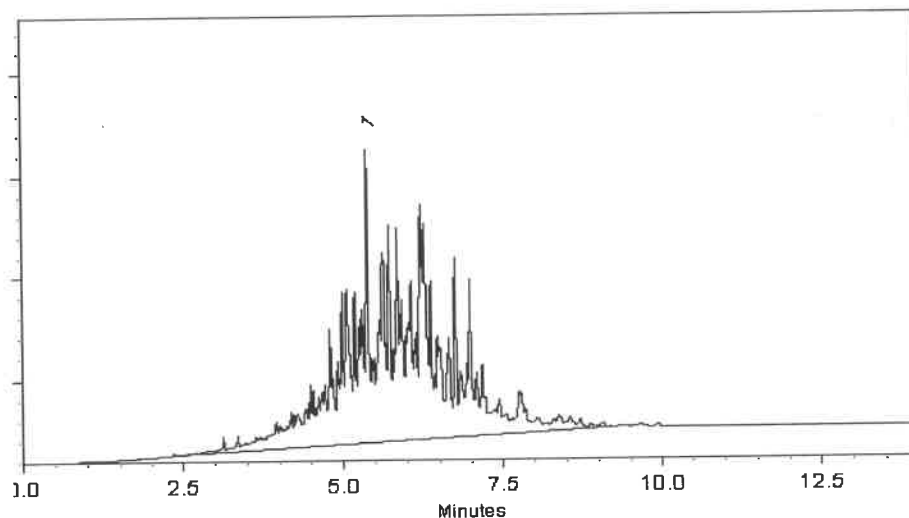
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

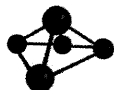
Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

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

P13861 } ②
P13862 }
✓
12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

Solvent(s): Methylene chloride
Lot# 102669

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):

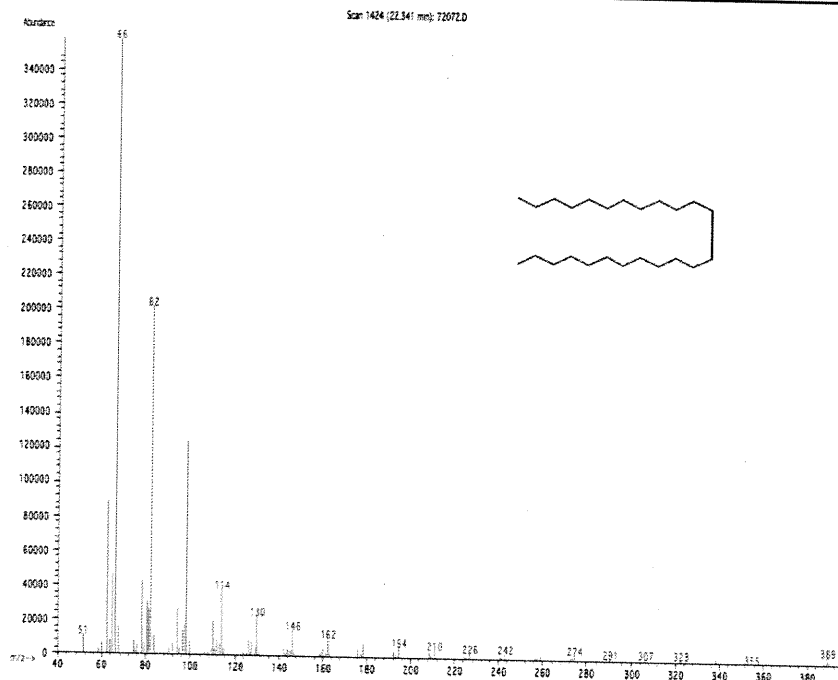
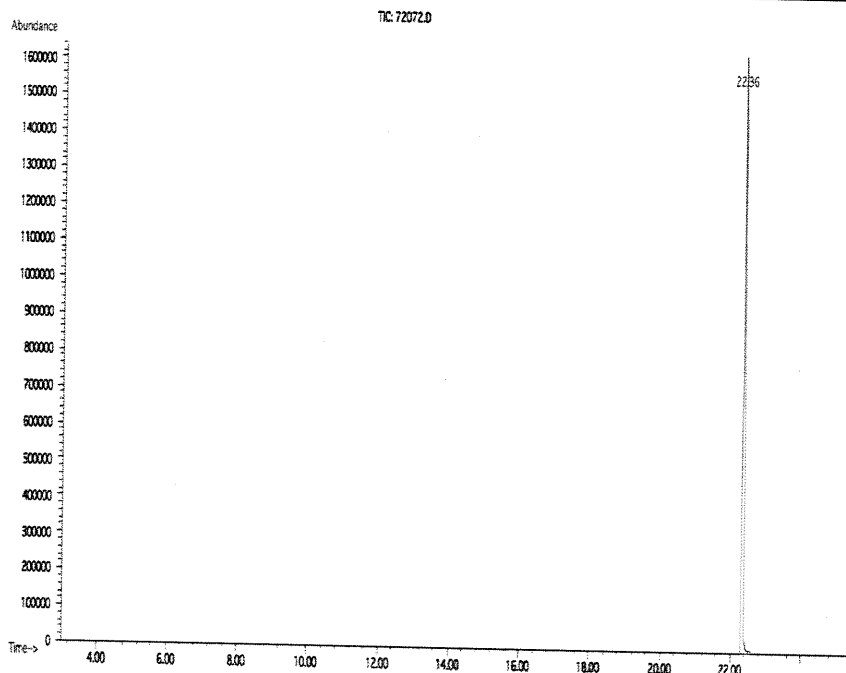
200.0 0.058 Balance Uncertainty
0.058 Flask Uncertainty

Received by
SG on 11/1/19
P9044 - P9053

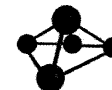
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

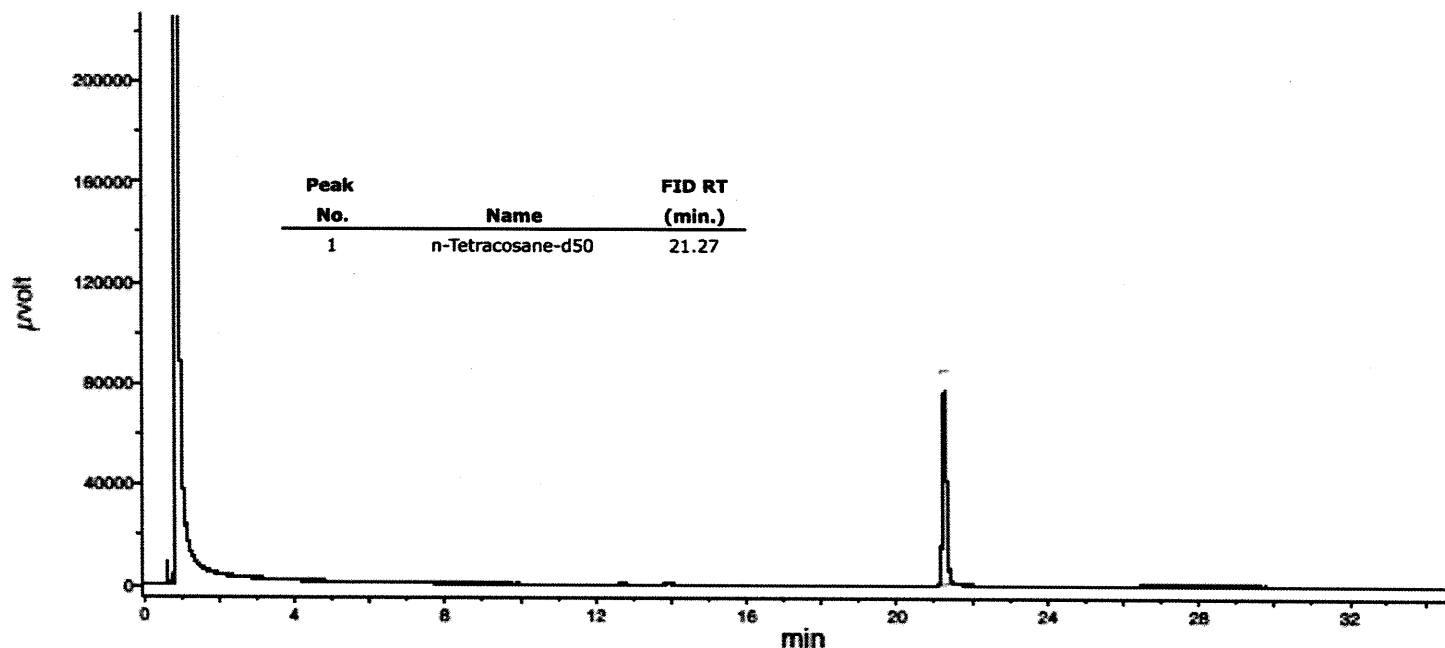
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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 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

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Division



SHIPPING DOCUMENTS

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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: C. Odell

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Q1730

Requested Turnaround Time		Dissolved Metals Samples	
5-Day ☐	10-Day ☒	☐ Field Filtered	☐ Lab to Filter
PFAS 10-Day (std) ☐	Due Date:		
Rush-Approval Required		Orthophosphate Samples	
1-Day ☐	3-Day ☐	☐ Field Filtered	☐ Lab to Filter
2-Day ☐	4-Day ☐		
Data Delivery			
Format: PDF ☒	EXCEL ☒	PCB ONLY	
Other:		SOXHLET ☒	
CLP Like Data Pkg Required: ☐ No		NON SOXHLET ☐	
Email To: aroy@nobis-group.com			
Fax To #:			

ANALYSIS REQUESTED												2 Preservation Code	
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)	

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-VSL-15-040325	4/3/25	1210	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-VSL-16-040325	4/3/25	1220	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-VSL-17-040325	4/3/25	1230	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-21-040325	4/3/25	1345	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-22-040325	4/3/25	1350	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-23-040325	4/3/25	1355	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-24-040325	4/3/25	1400	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-25-040325	4/3/25	1405	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-26-040325	4/3/25	1410	G	S		3	2	1			X	X	X	X	X	X	X	X	X
	OU4-CF-15-040325	4/3/25	1300	G	S		3	2	1			X	X	X	X	X	X	X	X	X

Relinquished by: (signature) Date/Time: 4/3/25 10:45

Client Comments: 2.7, 2.4

Received by: (signature) Date/Time: 4/4/25 10:45

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Lab Comments:

Detection Limit Requirements		Special Requirements	
MA	☐	MA MCP Required	
		MCP Certification Form Required	
CT	☒	CT RCP Required	
		RCP Certification Form Required	
Other:		MA State DW Required	
Project Entity		PWSID #	
Government ☐	Municipality ☐	MWRA ☐	WRTA ☐
Federal ☐	21 J ☐	School ☐	
City ☐	Brownfield ☐	MBTA ☐	

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

NELAP and AIHA-LAP, LLC Accredited

Other

☐ Chromatogram

☐ AIHA-LAP, LLC

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

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730	NOBI03	Order Date : 4/4/2025 10:51:00 AM	Project Mgr : Yazmeen
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 4/4/2025 10:45:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1730-01	OU4-VSL-15-040325	Solid	04/03/2025	12:10					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-03	OU4-VSL-16-040325	Solid	04/03/2025	12:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-05	OU4-VSL-17-040325	Solid	04/03/2025	12:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-07	OU4-PCS-TC-21-040325	Solid	04/03/2025	13:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-09	OU4-PCS-TC-22-040325	Solid	04/03/2025	13:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-11	OU4-PCS-TC-23-040325	Solid	04/03/2025	13:55					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-13	OU4-PCS-TC-24-040325	Solid	04/03/2025	14:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1730-15	OU4-PCS-TC-25-040325	Solid	04/03/2025	14:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1730	NOBI03	Order Date : 4/4/2025 10:51:00 AM	Project Mgr : Yazmeen
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 4/4/2025 10:45:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff : 4/4/2025 11:24:53 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1730-17	OU4-PCS-TC-26-040325	Solid	04/03/2025	14:10	VOCMS Group3		8260D	10 Bus. Days	
Q1730-19	OU4-CF-15-040325	Solid	04/03/2025	13:00	VOCMS Group3		8260D	10 Bus. Days	
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 4/4/25 1145

Received By :

Date / Time : 4/4/25 14:15

Storage Area : VOA Refridgerator Room

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

Instrument :
 ECD_L
 ClientSampleId :
 PEM

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	55468340	68955312	19.595	19.319
28) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	0.000	6.106	0	6474395	N.D.	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.641	6.833	7362509	9131615	2.785	1.913 #

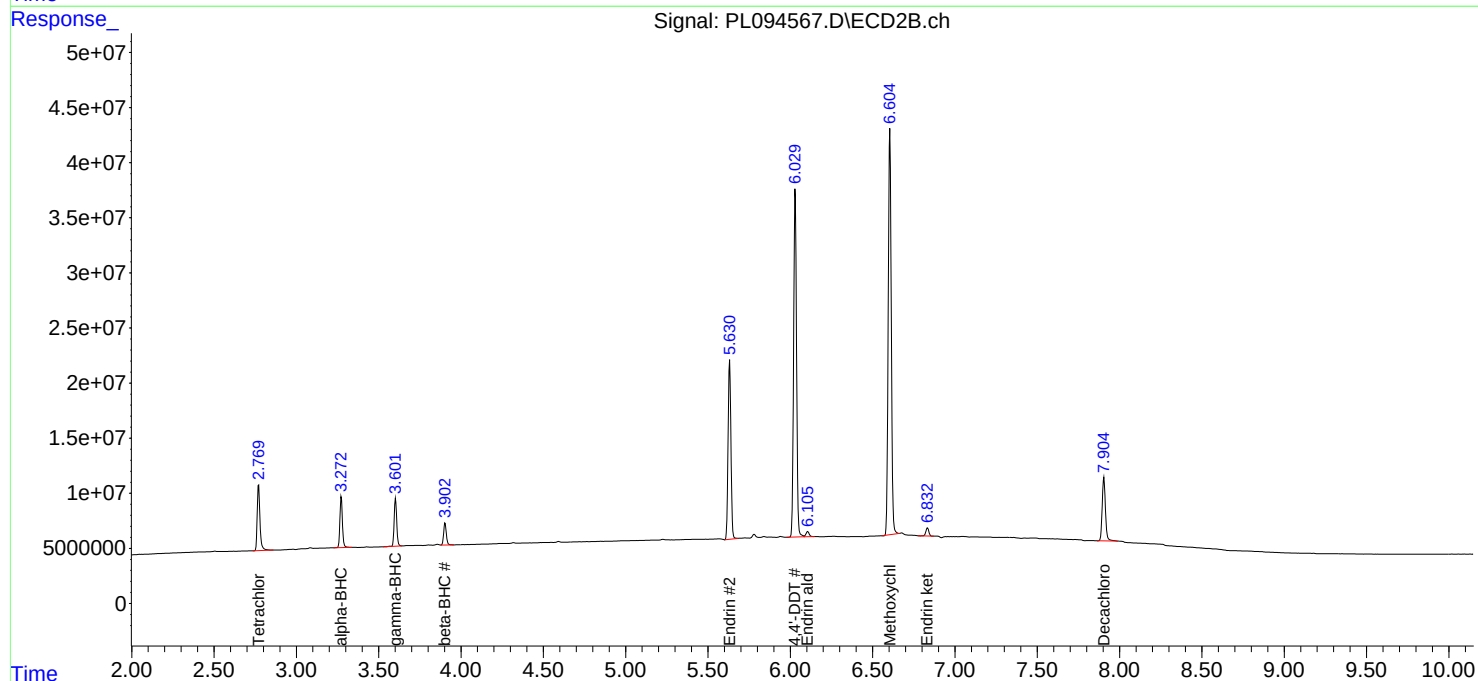
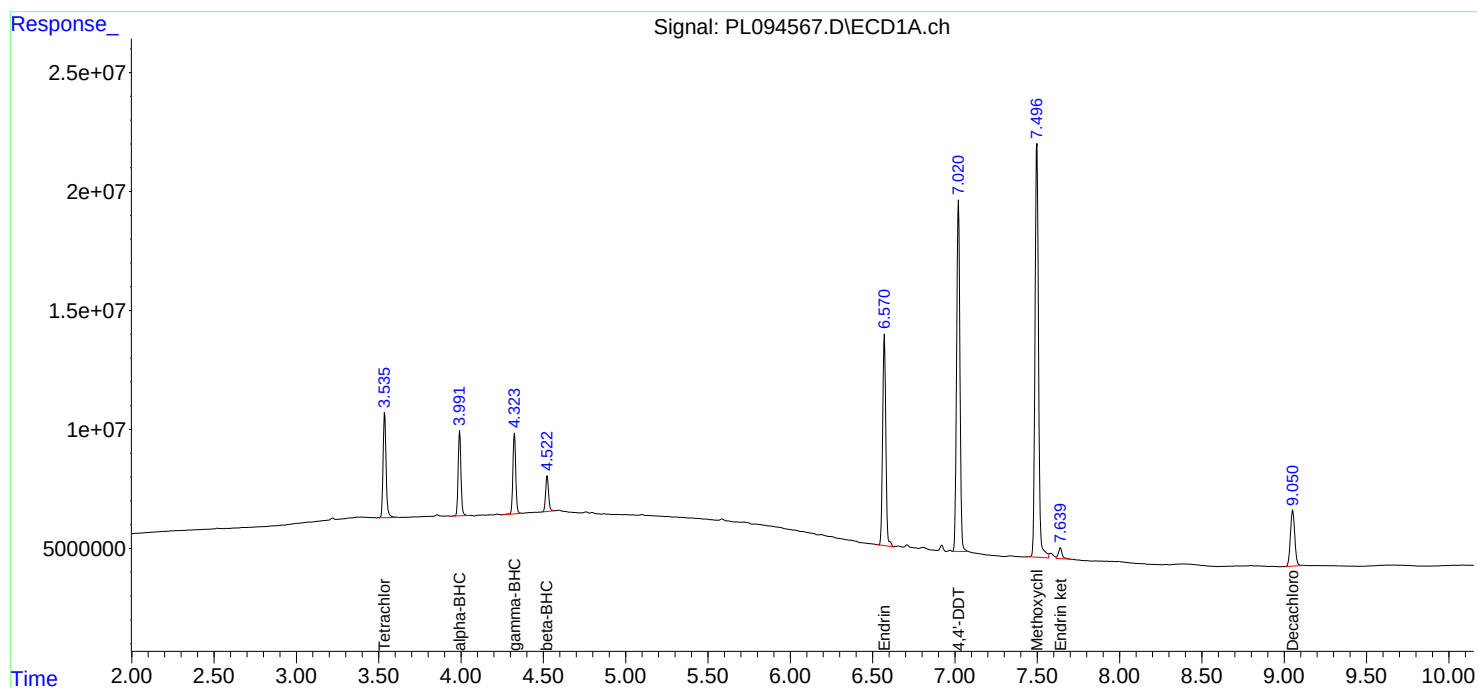
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

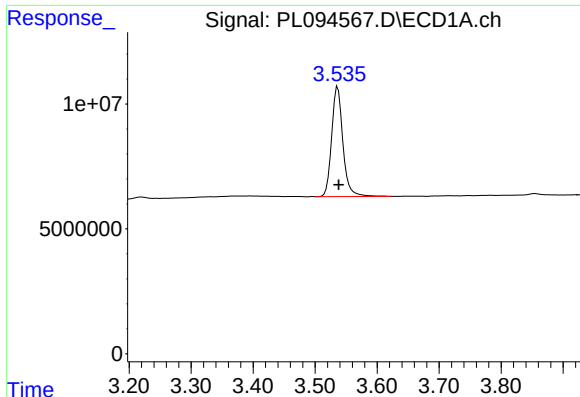
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

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

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

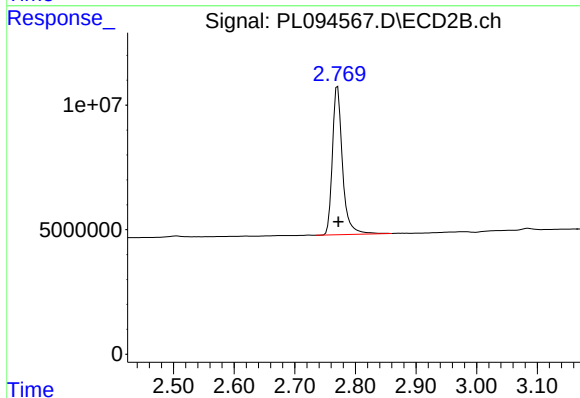




#1 Tetrachloro-m-xylene

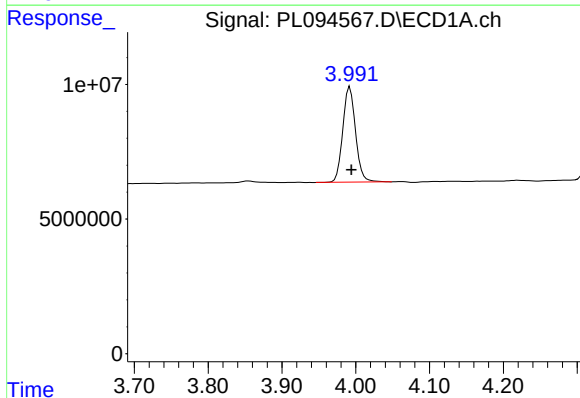
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



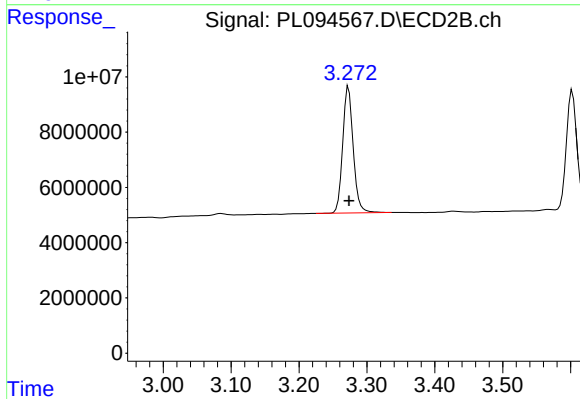
#1 Tetrachloro-m-xylene

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



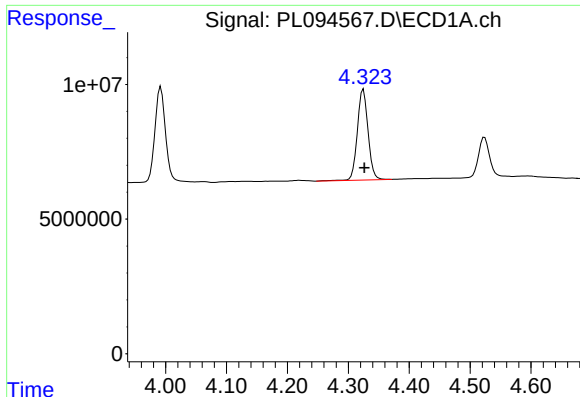
#2 alpha-BHC

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



#2 alpha-BHC

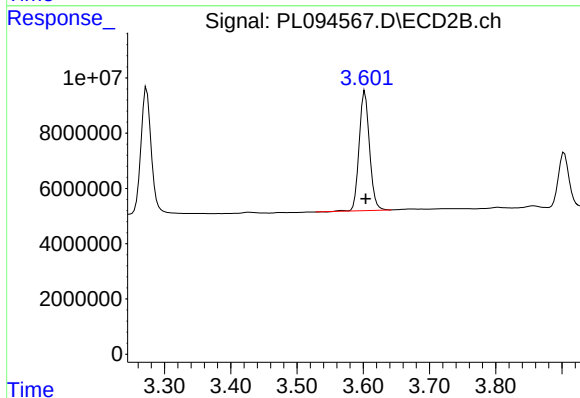
R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 49328954
Conc: 9.15 ng/ml



#3 gamma-BHC (Lindane)

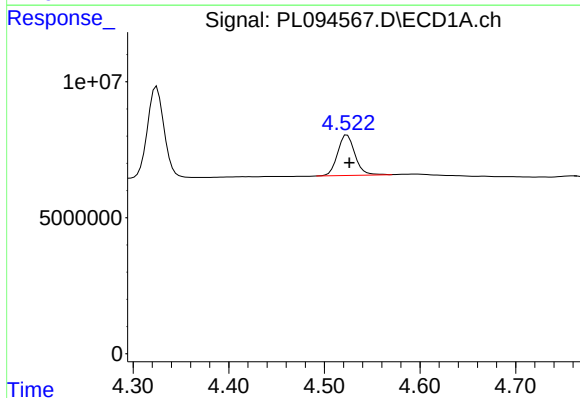
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



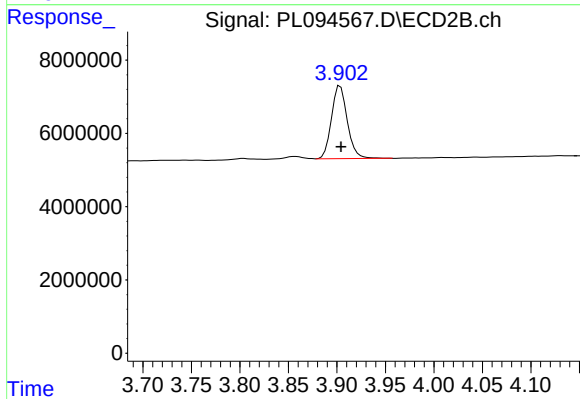
#3 gamma-BHC (Lindane)

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



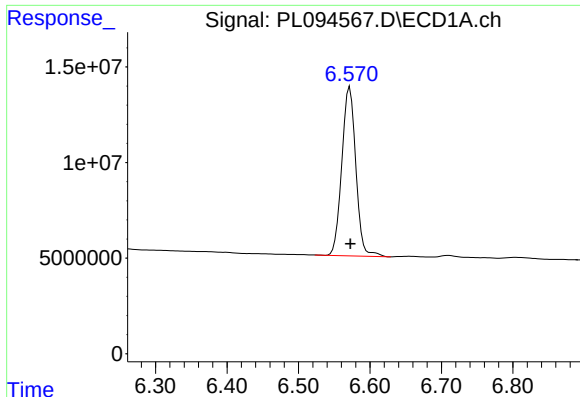
#6 beta-BHC

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



#6 beta-BHC

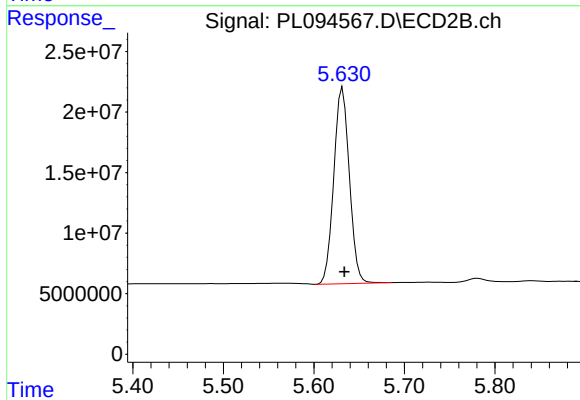
R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 22504052
Conc: 10.13 ng/ml



#14 Endrin

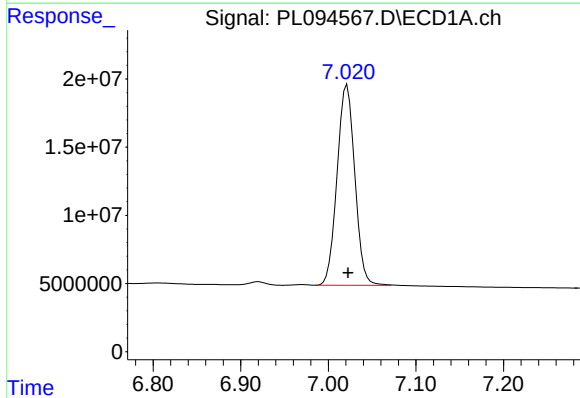
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



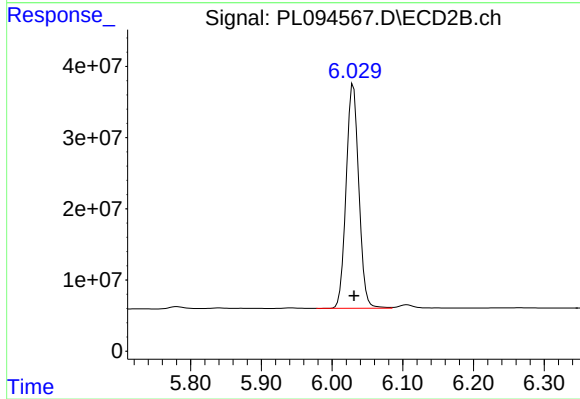
#14 Endrin

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



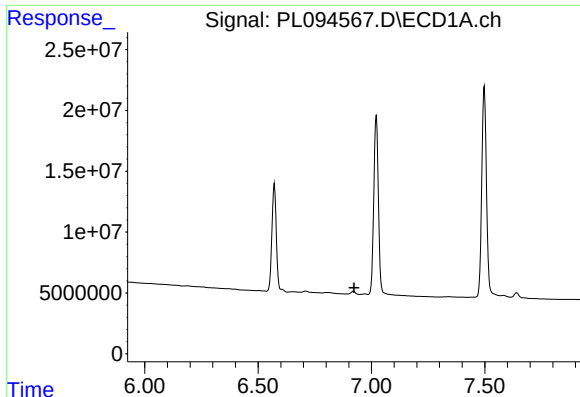
#17 4,4'-DDT

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



#17 4,4'-DDT

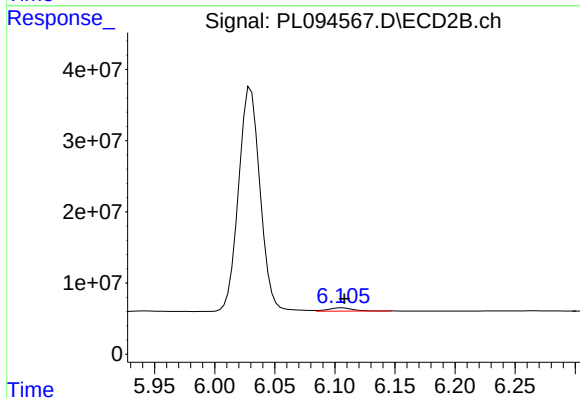
R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



#18 Endrin aldehyde

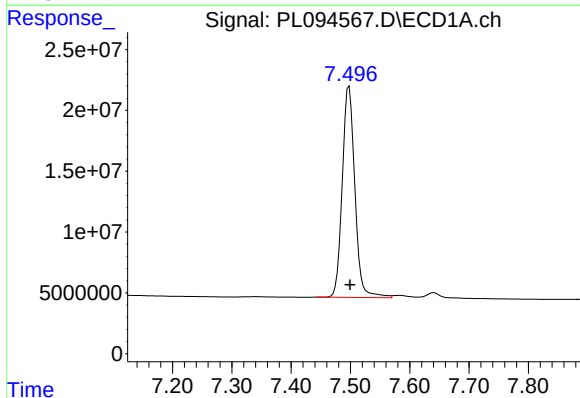
R.T.: 0.000 min
Exp R.T.: 6.924 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



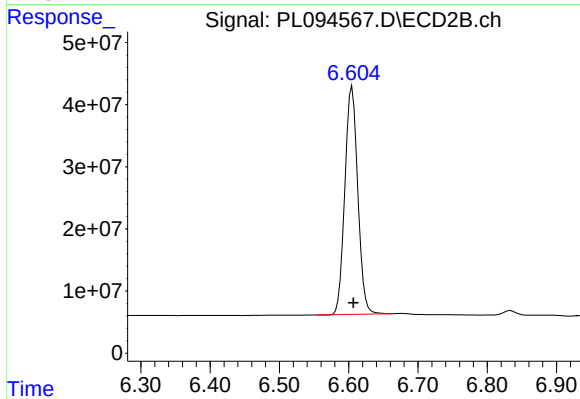
#18 Endrin aldehyde

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



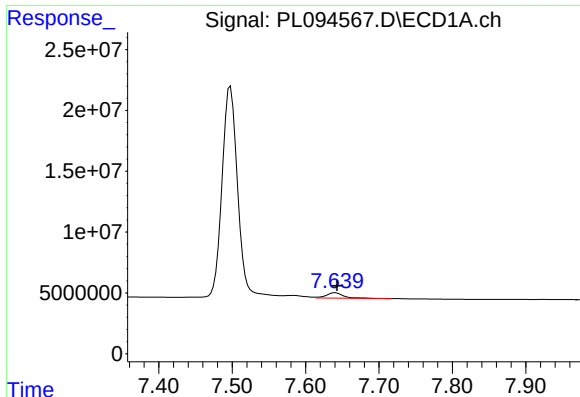
#20 Methoxychlor

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



#20 Methoxychlor

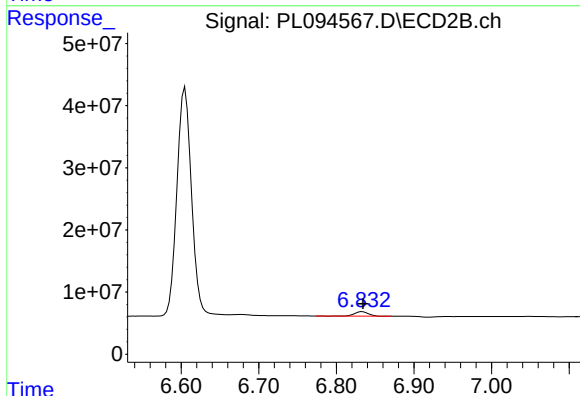
R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



#21 Endrin ketone

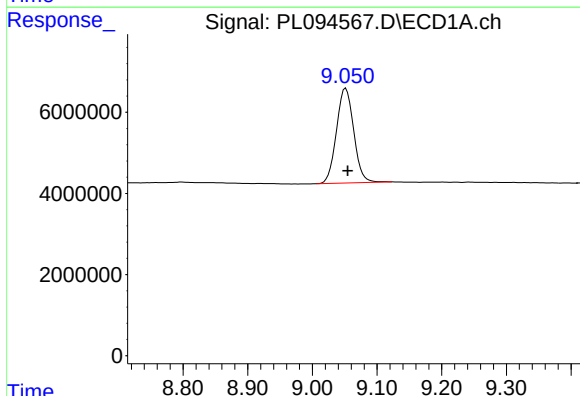
R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 7362509
Conc: 2.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



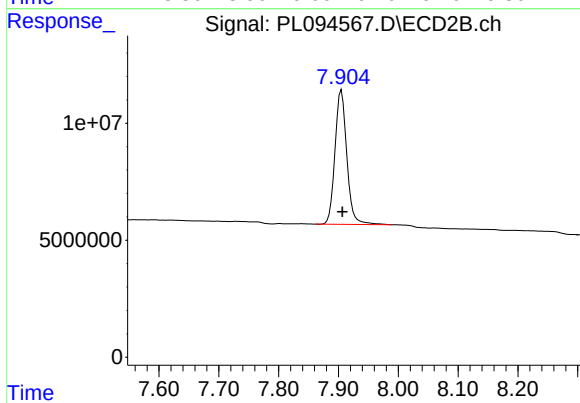
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.001 min
Response: 9131615
Conc: 1.91 ng/ml



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	53468086	65423025	18.889	18.330
28)	SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds							
9)	A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10)	B gamma-Chl...	5.937	4.972	33232558	42187332	9.863	8.737
12)	B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13)	MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19)	B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20)	A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21)	B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

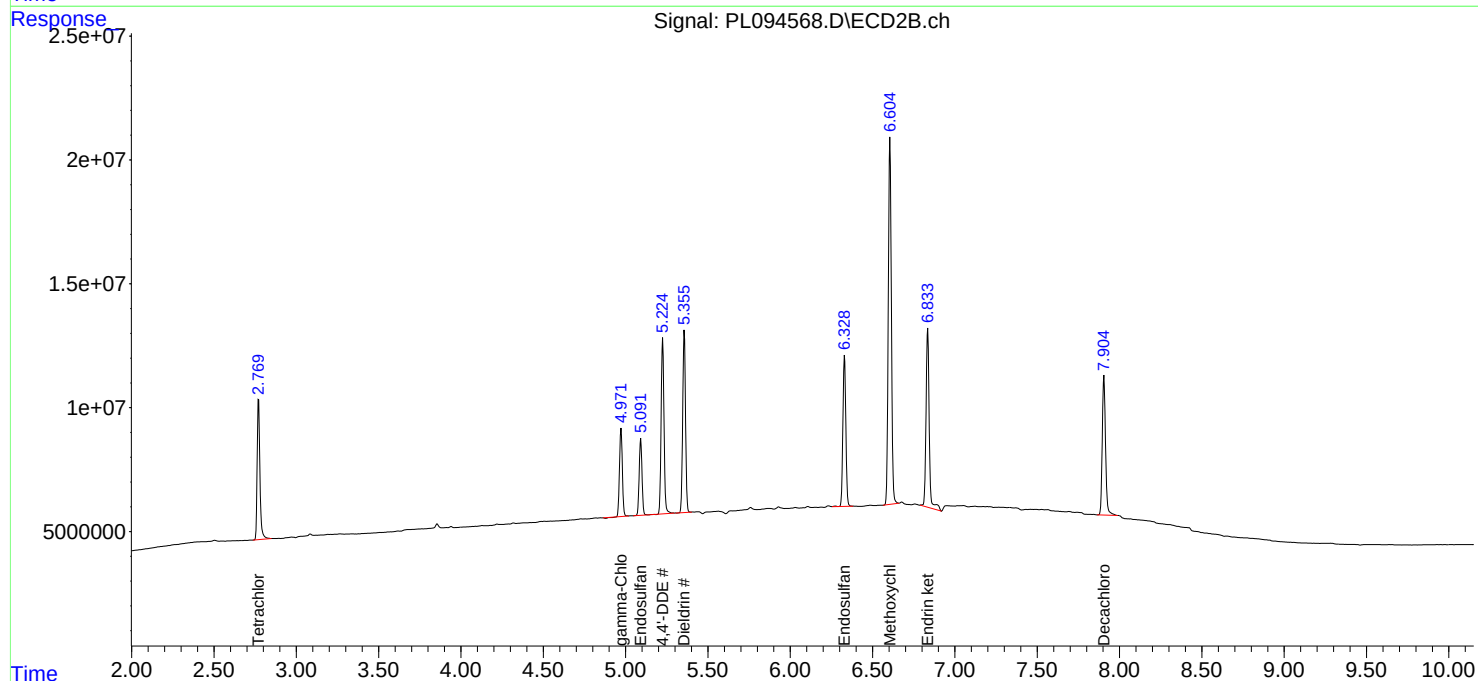
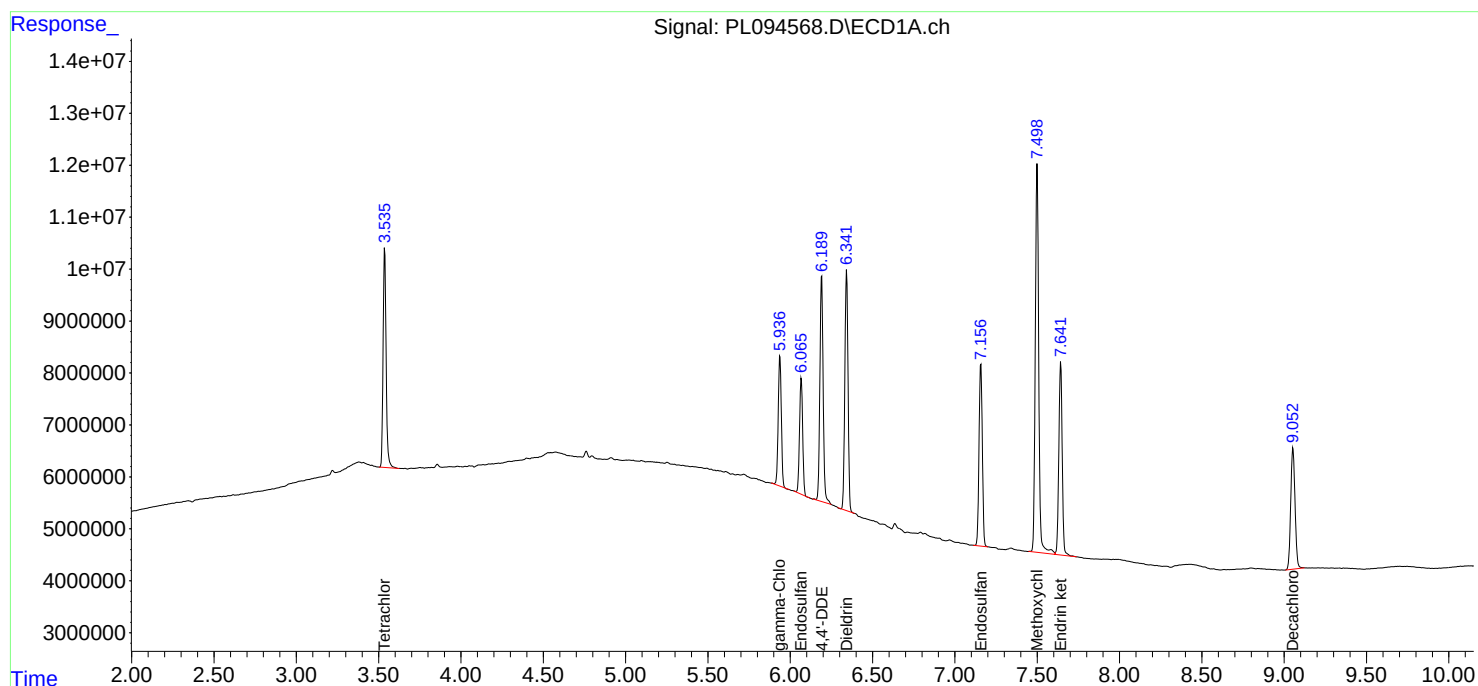
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

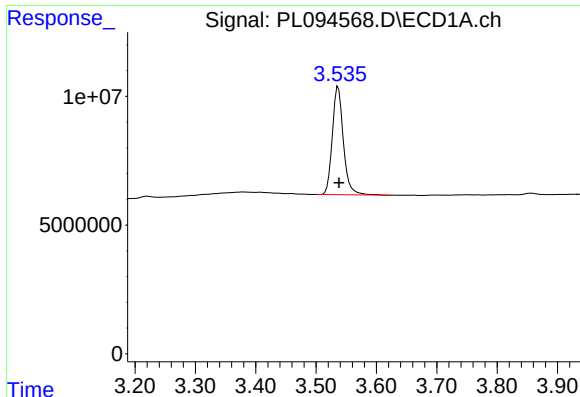
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

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

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

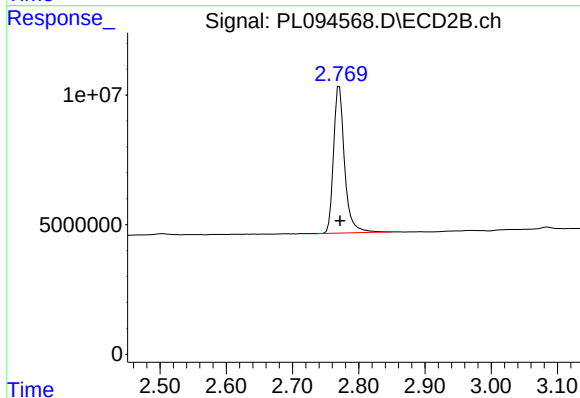




#1 Tetrachloro-m-xylene

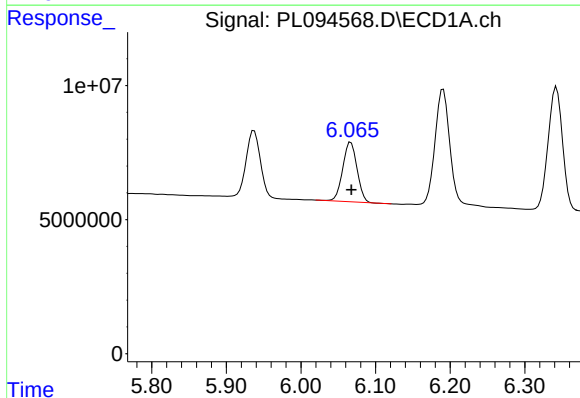
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



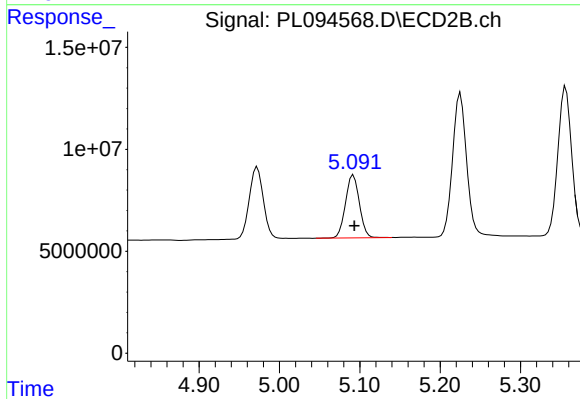
#1 Tetrachloro-m-xylene

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



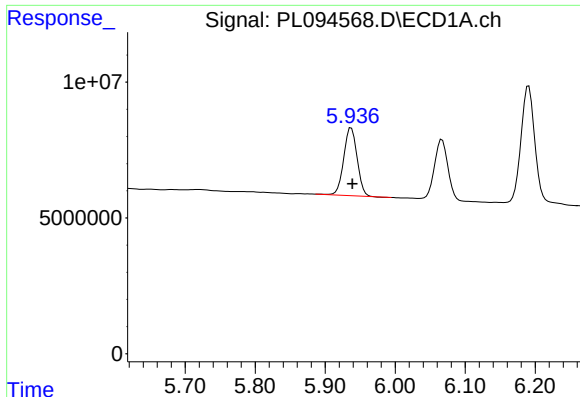
#9 Endosulfan I

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



#9 Endosulfan I

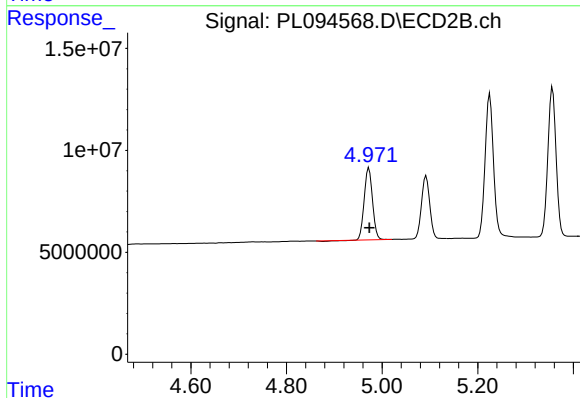
R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 37055598
Conc: 8.44 ng/ml



#10 gamma-Chlordane

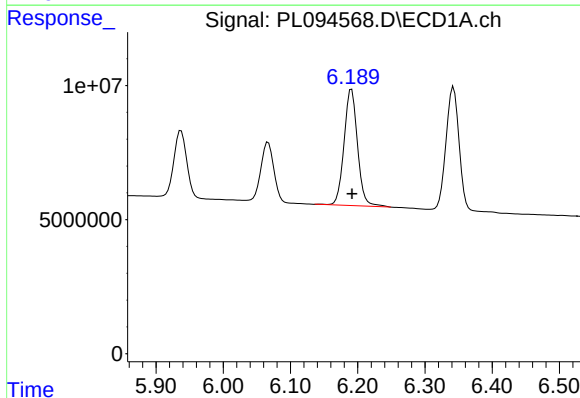
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



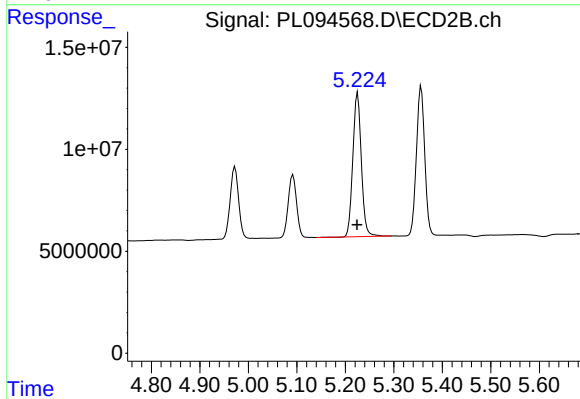
#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.001 min
Response: 42187332
Conc: 8.74 ng/ml



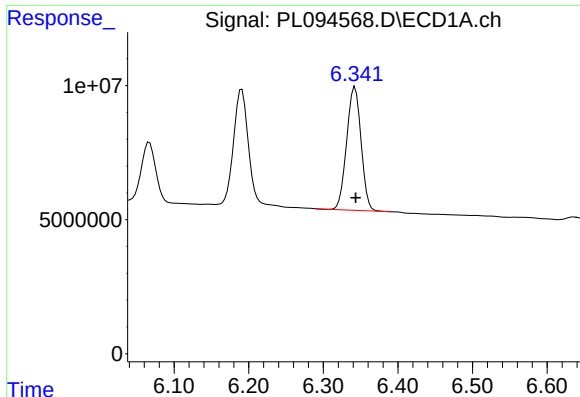
#12 4,4'-DDE

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



#12 4,4'-DDE

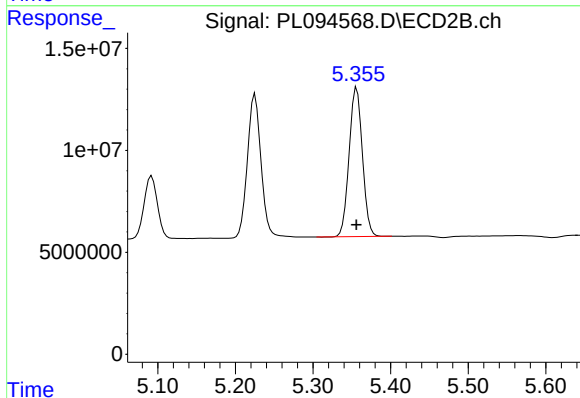
R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86039267
Conc: 18.51 ng/ml



#13 Dieldrin

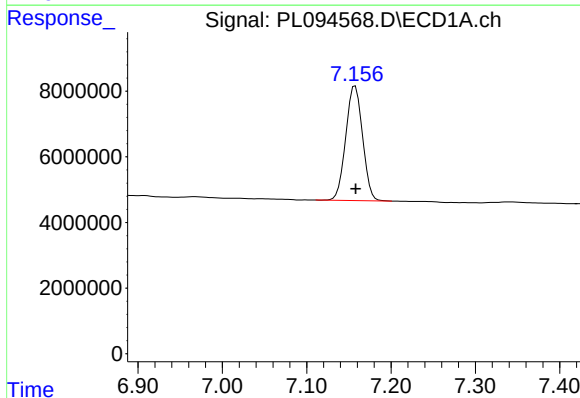
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



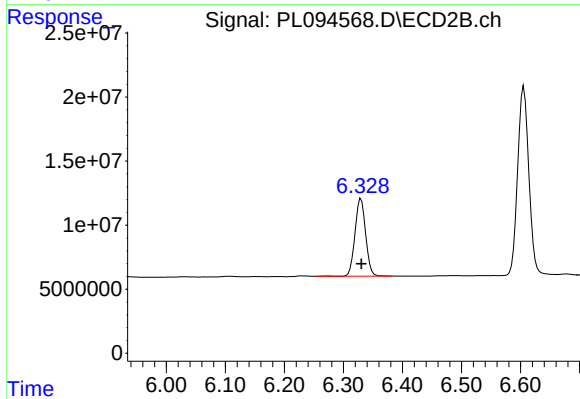
#13 Dieldrin

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



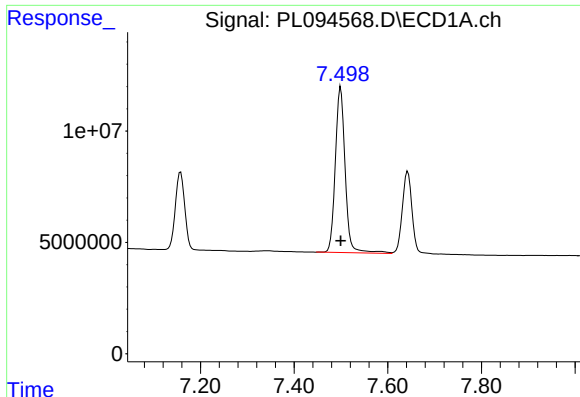
#19 Endosulfan Sulfate

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



#19 Endosulfan Sulfate

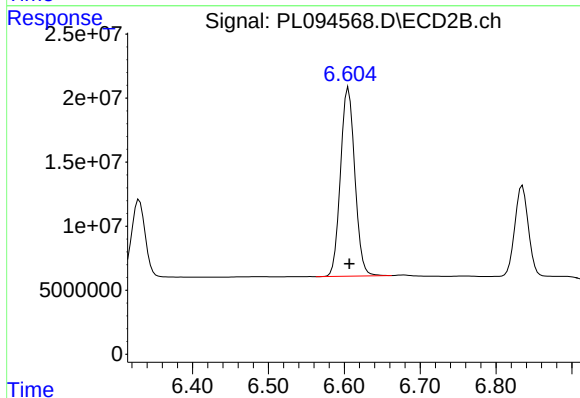
R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 76018164
Conc: 18.66 ng/ml



#20 Methoxychlor

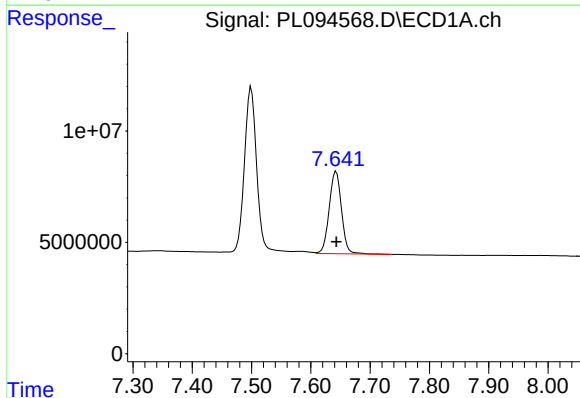
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 108457351
Conc: 90.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



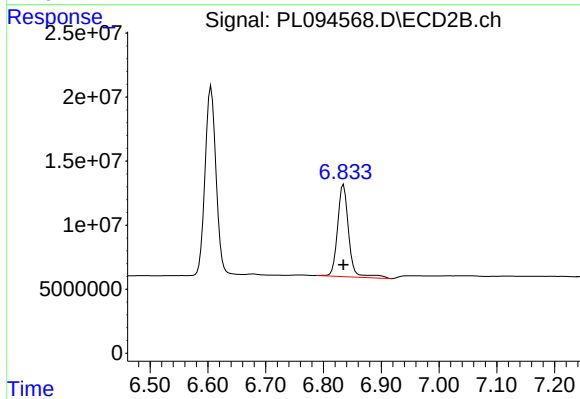
#20 Methoxychlor

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



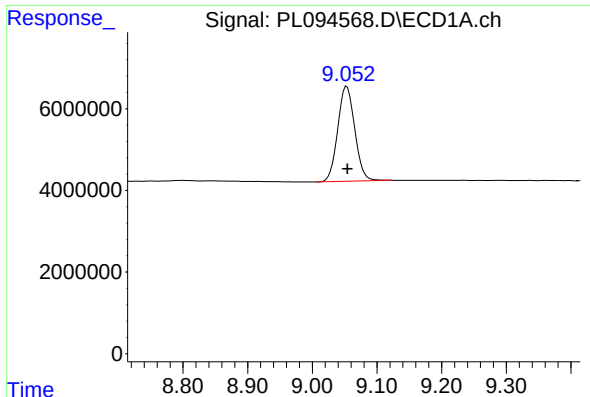
#21 Endrin ketone

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



#21 Endrin ketone

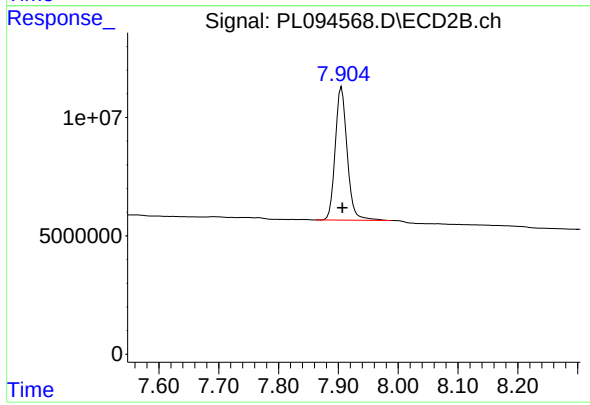
R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 96817803
Conc: 20.29 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	267.8E6	357.3E6	99.165	100.991
28)	SA Decachlor...	9.054	7.905	193.9E6	395.0E6	97.943	100.590
Target Compounds							
2)	A alpha-BHC	3.994	3.274	405.1E6	569.7E6	100.552	102.608
3)	MA gamma-BHC...	4.327	3.604	388.6E6	537.2E6	100.578	102.282
4)	MA Heptachlor	4.914	3.942	364.6E6	536.3E6	99.021	101.268
5)	MB Aldrin	5.256	4.221	348.7E6	504.3E6	99.355	102.086
6)	B beta-BHC	4.525	3.904	167.3E6	219.0E6	97.941	100.407
7)	B delta-BHC	4.772	4.133	373.2E6	524.5E6	100.154	102.450
8)	B Heptachlo...	5.682	4.724	312.8E6	461.9E6	98.900	100.980
9)	A Endosulfan I	6.069	5.093	285.6E6	445.6E6	98.821	101.246
10)	B gamma-Chl...	5.939	4.974	315.2E6	494.7E6	99.127	101.813
11)	B alpha-Chl...	6.018	5.037	307.8E6	484.8E6	98.919	101.428
12)	B 4,4'-DDE	6.191	5.226	280.1E6	475.6E6	99.232	101.777
13)	MA Dieldrin	6.344	5.357	299.9E6	499.1E6	99.313	102.045
14)	MA Endrin	6.573	5.634	258.6E6	443.5E6	99.178	101.238
15)	B Endosulfa...	6.794	5.928	251.0E6	434.7E6	98.634	101.059
16)	A 4,4'-DDD	6.710	5.781	205.5E6	374.5E6	98.978	102.209
17)	MA 4,4'-DDT	7.022	6.031	225.1E6	420.6E6	99.295	102.337
18)	B Endrin al...	6.924	6.108	189.9E6	330.1E6	97.545	100.338
19)	B Endosulfa...	7.158	6.330	220.3E6	411.4E6	97.946	101.002
20)	A Methoxychlor	7.500	6.606	115.1E6	208.9E6	101.736	99.757
21)	B Endrin ke...	7.643	6.836	248.5E6	478.7E6	99.610	100.842
22)	Mirex	8.116	7.015	187.1E6	365.6E6	98.246	99.620

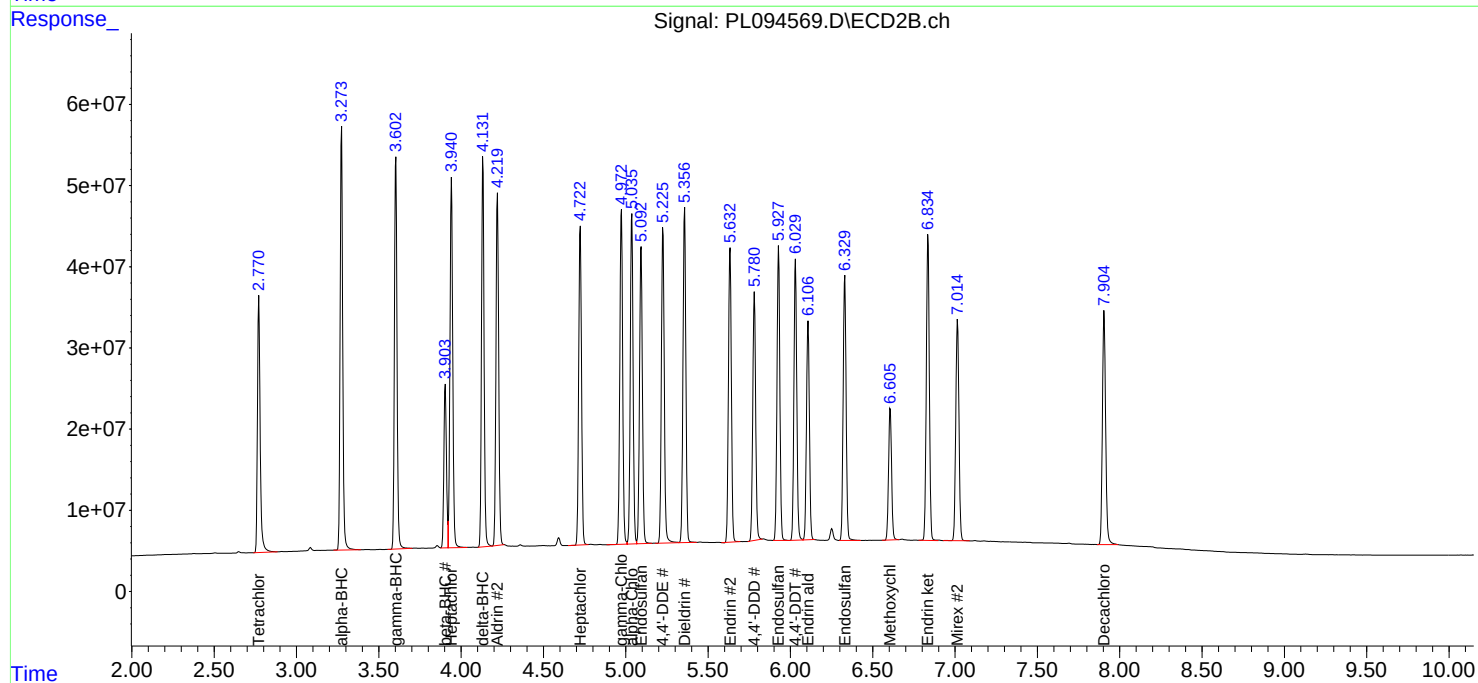
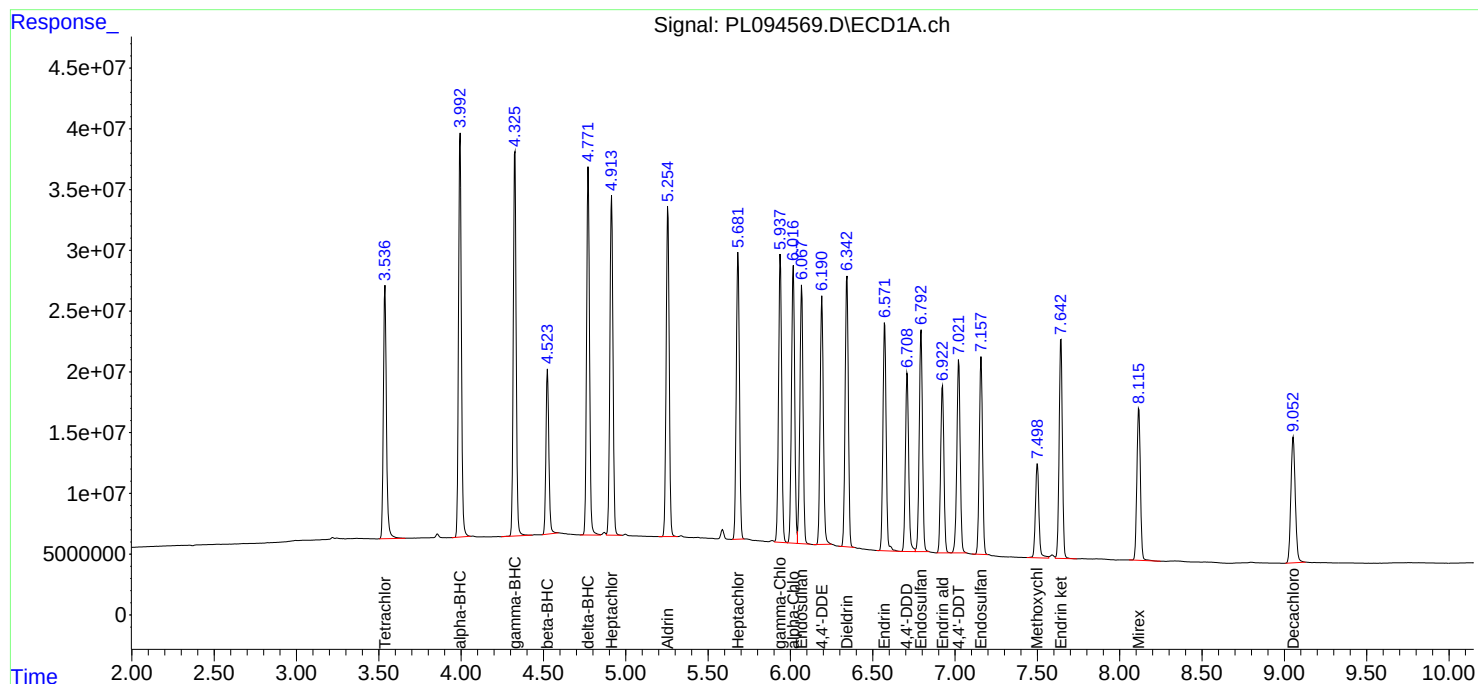
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

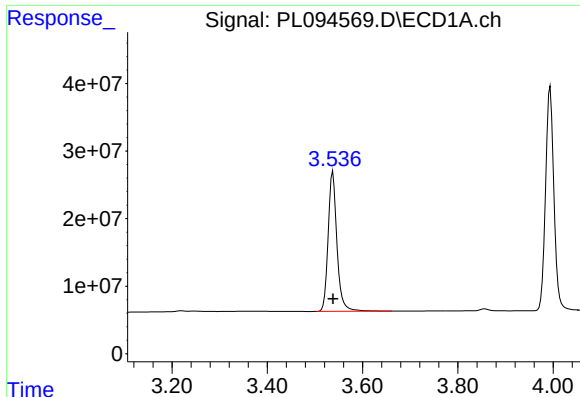
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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

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

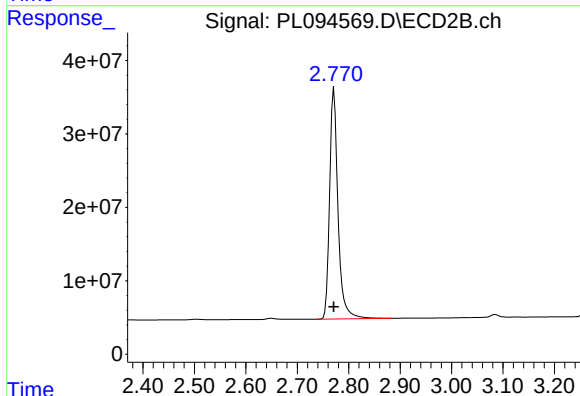




#1 Tetrachloro-m-xylene

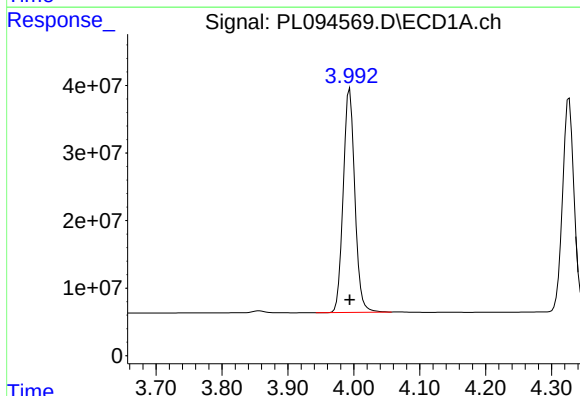
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 267763168
Conc: 99.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



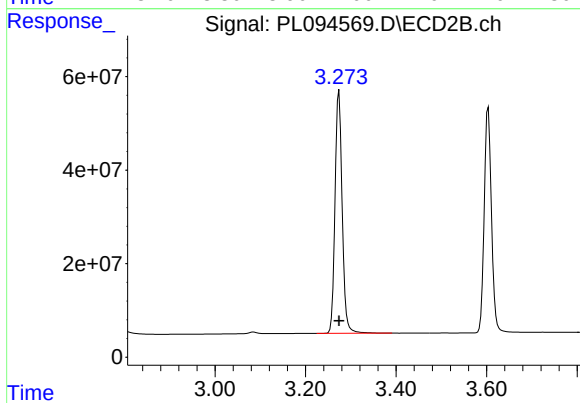
#1 Tetrachloro-m-xylene

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



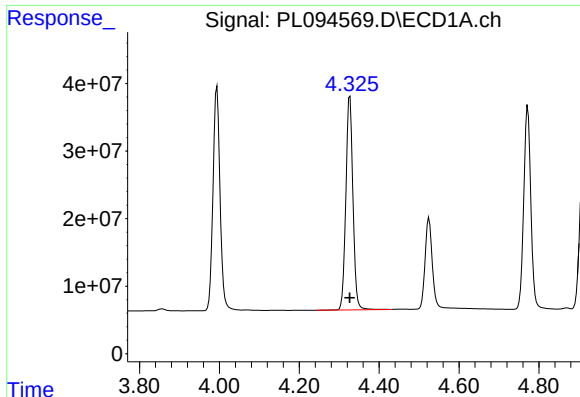
#2 alpha-BHC

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



#2 alpha-BHC

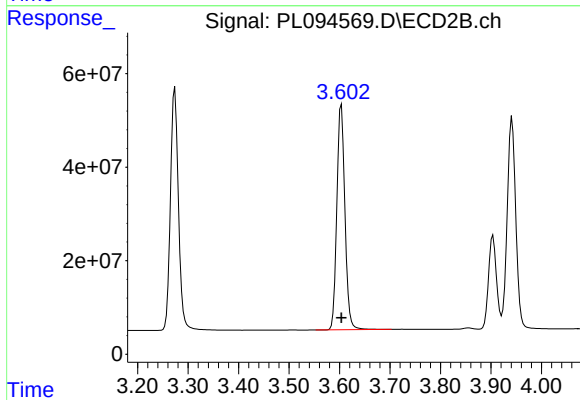
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 569673035
Conc: 102.61 ng/ml



#3 gamma-BHC (Lindane)

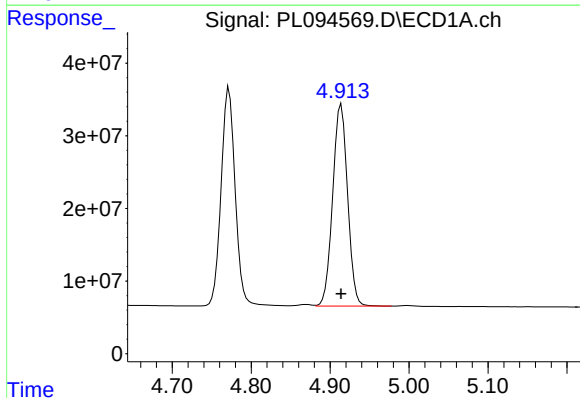
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 388608790
Conc: 100.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



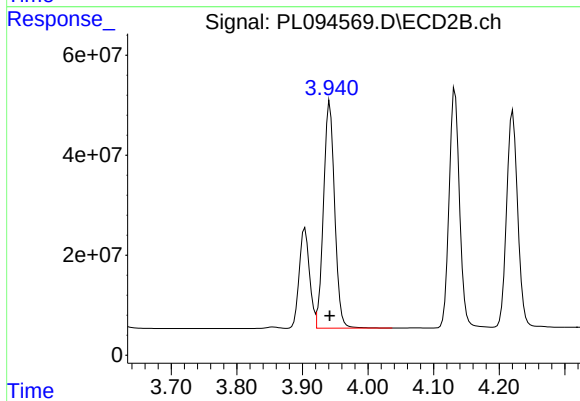
#3 gamma-BHC (Lindane)

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



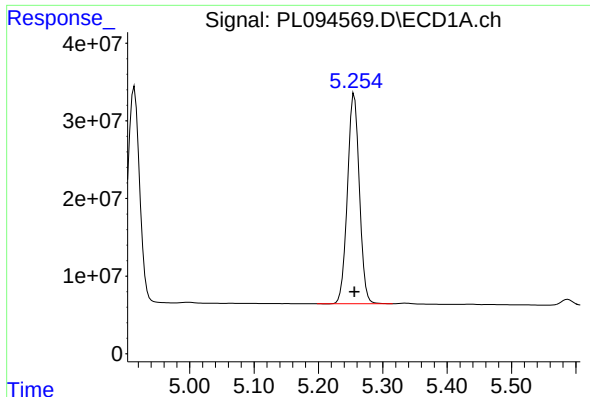
#4 Heptachlor

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



#4 Heptachlor

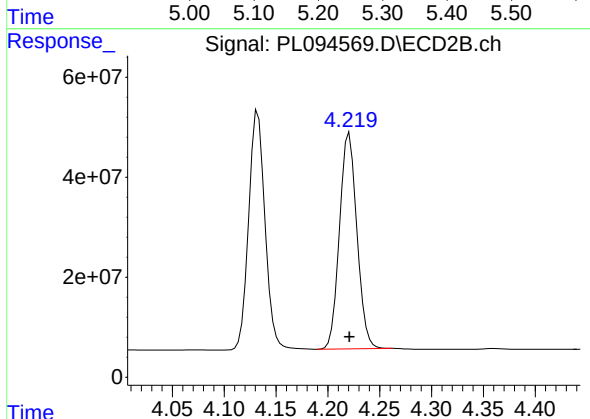
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 536306132
Conc: 101.27 ng/ml



#5 Aldrin

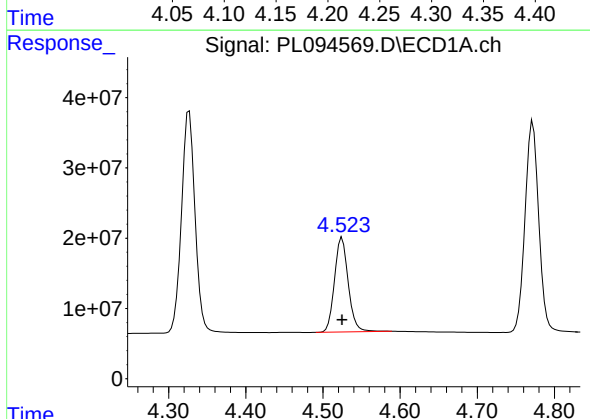
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 348651471
Conc: 99.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



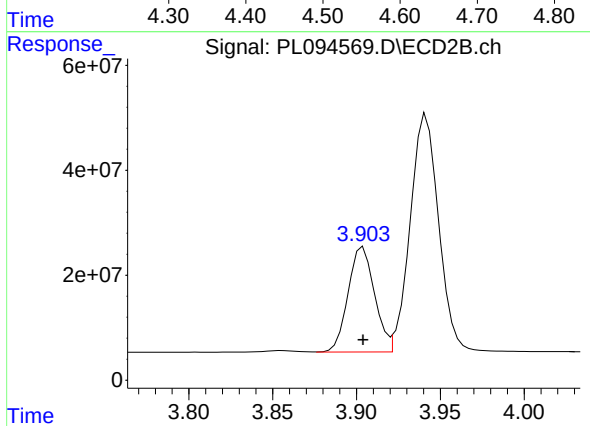
#5 Aldrin

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



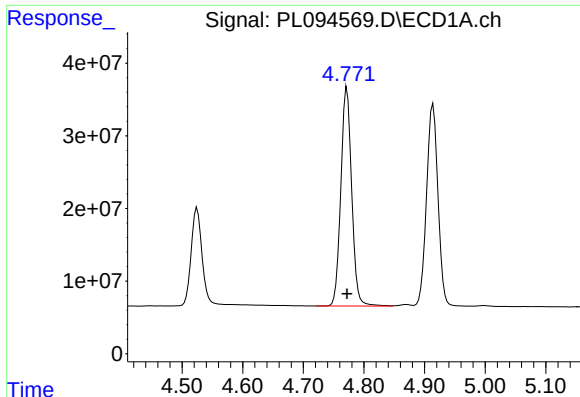
#6 beta-BHC

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



#6 beta-BHC

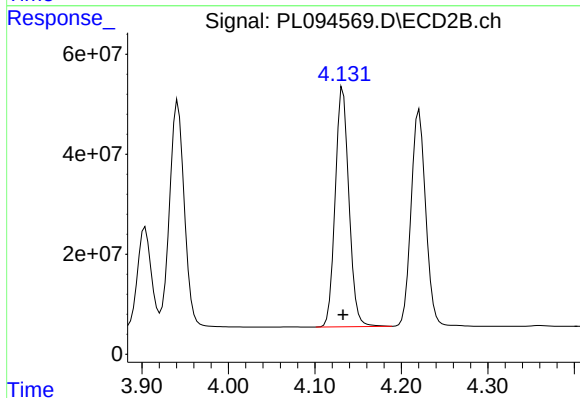
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 218990788
Conc: 100.41 ng/ml



#7 delta-BHC

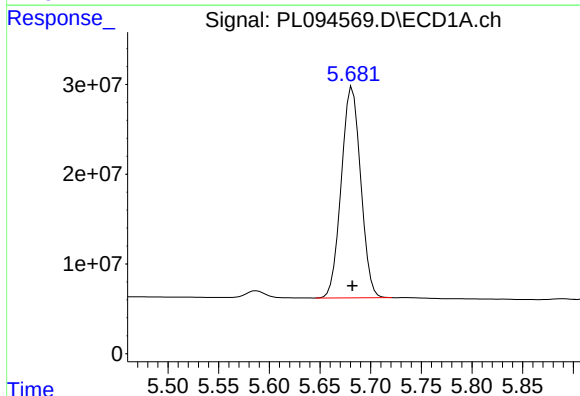
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 373153307
Conc: 100.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



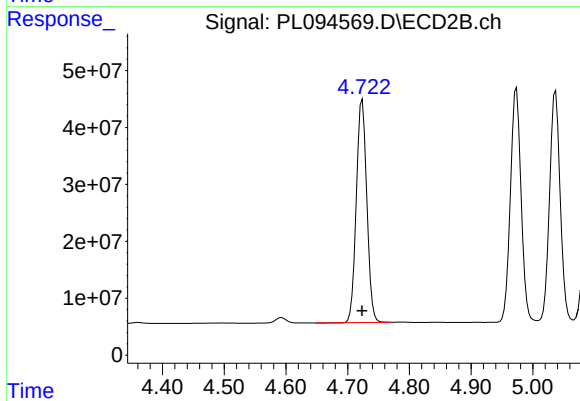
#7 delta-BHC

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



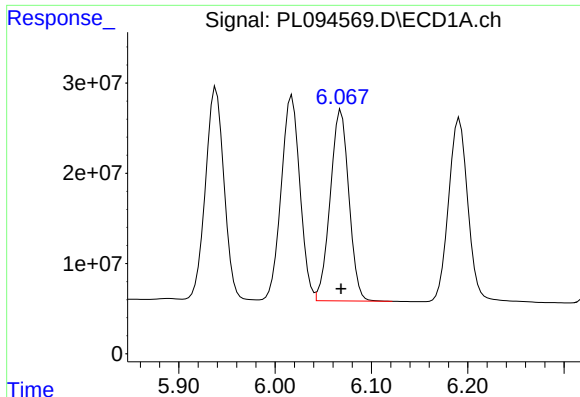
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

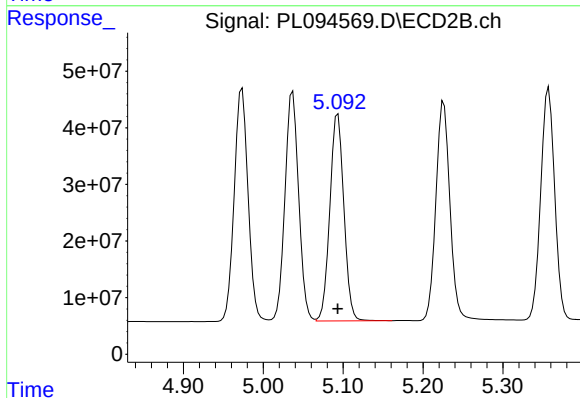
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 461918591
Conc: 100.98 ng/ml



#9 Endosulfan I

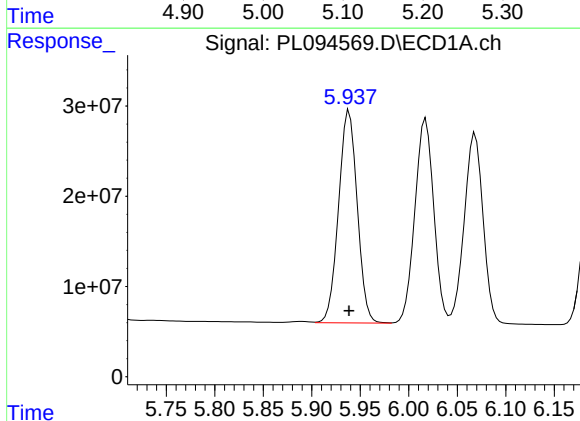
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 285605332
Conc: 98.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



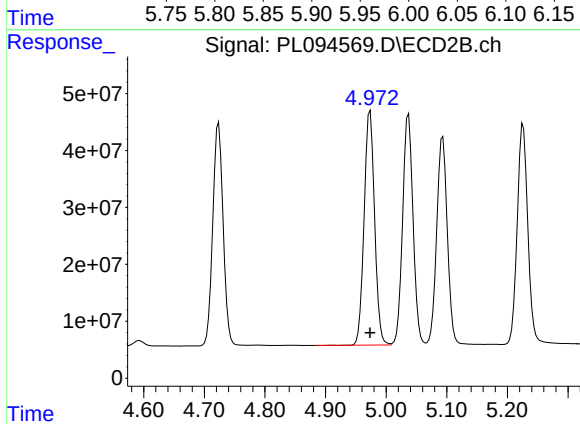
#9 Endosulfan I

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



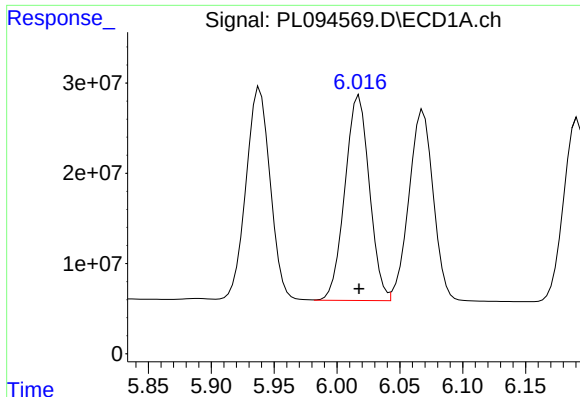
#10 gamma-Chlordane

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



#10 gamma-Chlordane

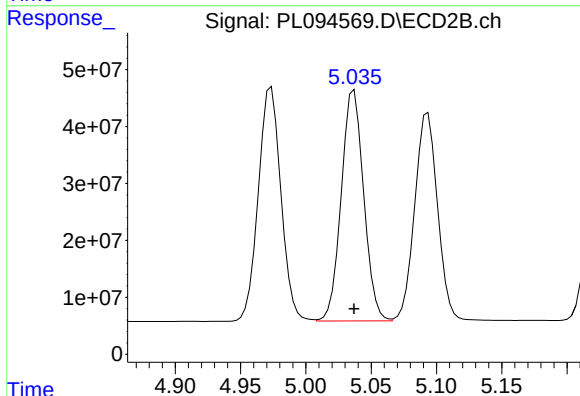
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 494683451
Conc: 101.81 ng/ml



#11 alpha-Chlordane

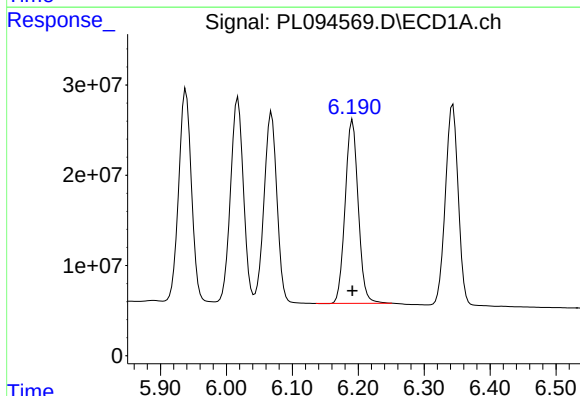
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 307825063
Conc: 98.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



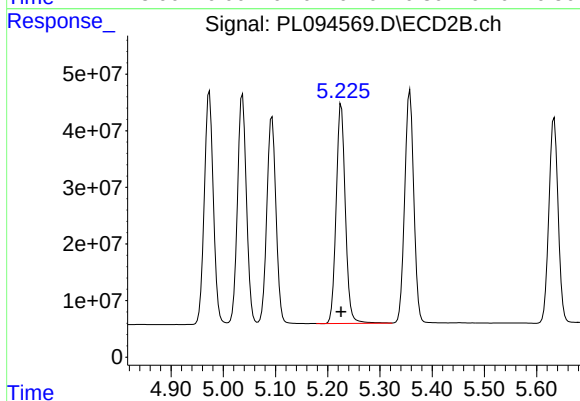
#11 alpha-Chlordane

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



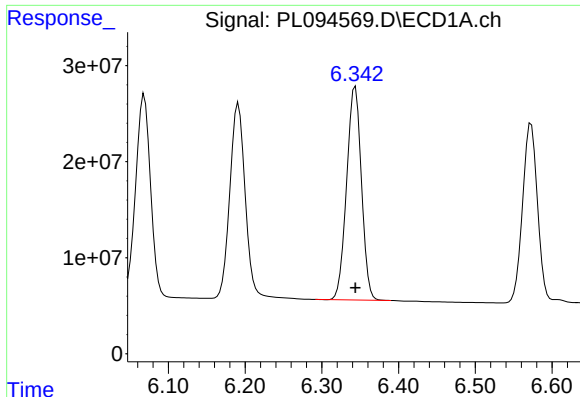
#12 4,4'-DDE

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



#12 4,4'-DDE

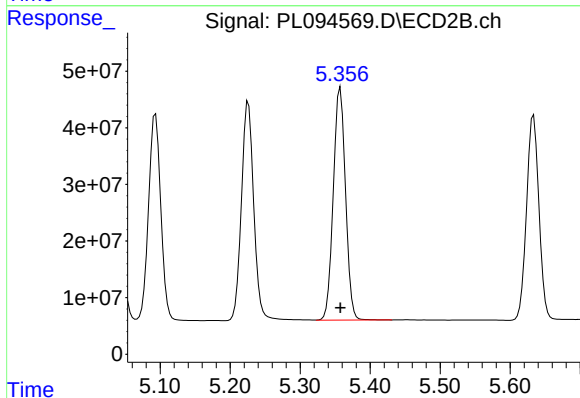
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 475560692
Conc: 101.78 ng/ml



#13 Dieldrin

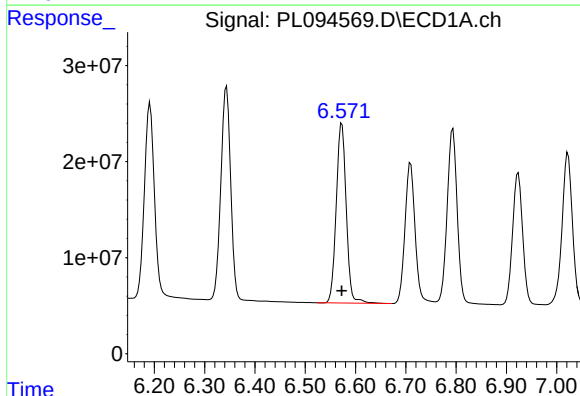
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 299891748
Conc: 99.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



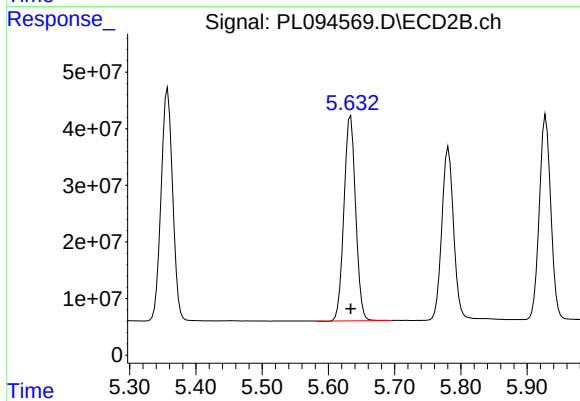
#13 Dieldrin

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



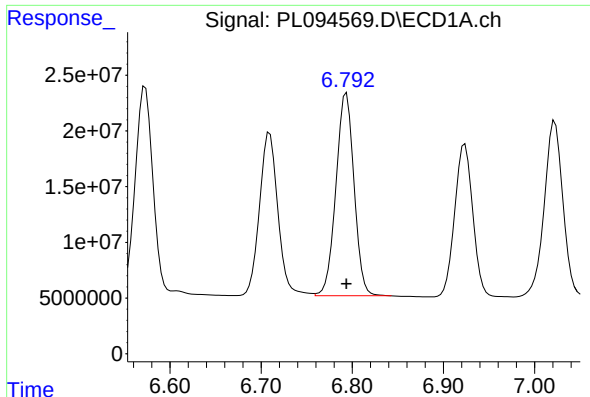
#14 Endrin

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



#14 Endrin

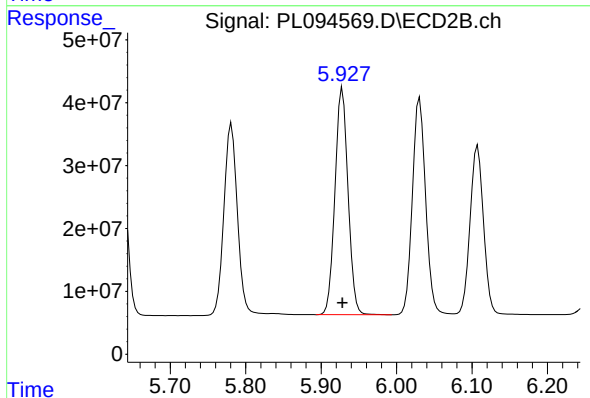
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 443455460
Conc: 101.24 ng/ml



#15 Endosulfan II

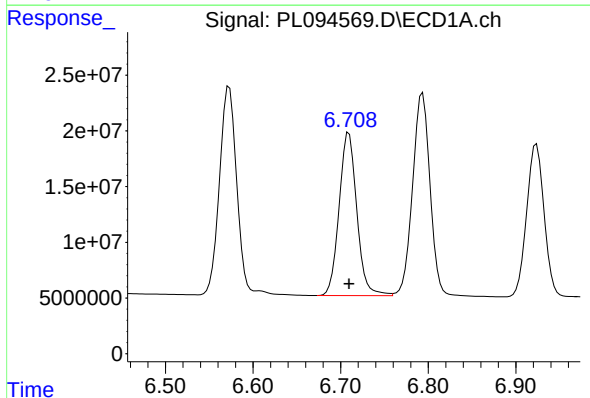
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 250994889
Conc: 98.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



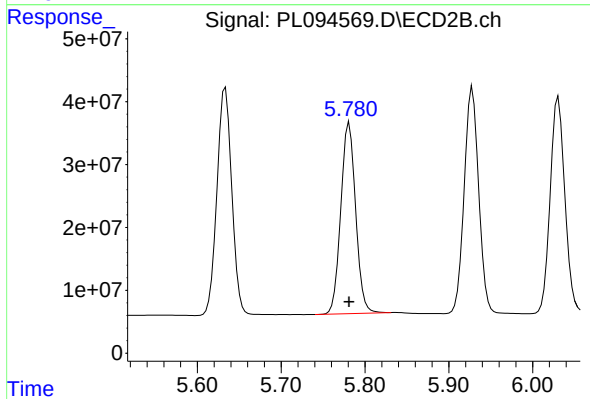
#15 Endosulfan II

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



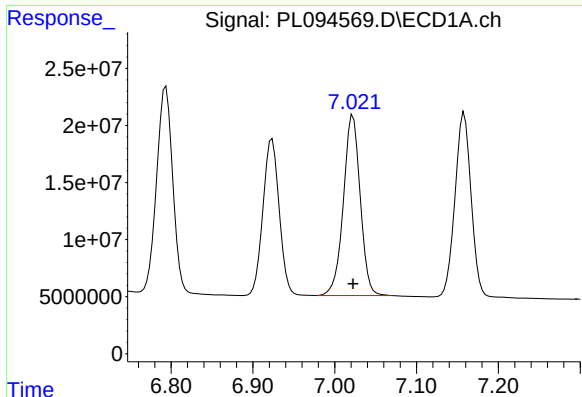
#16 4,4'-DDD

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



#16 4,4'-DDD

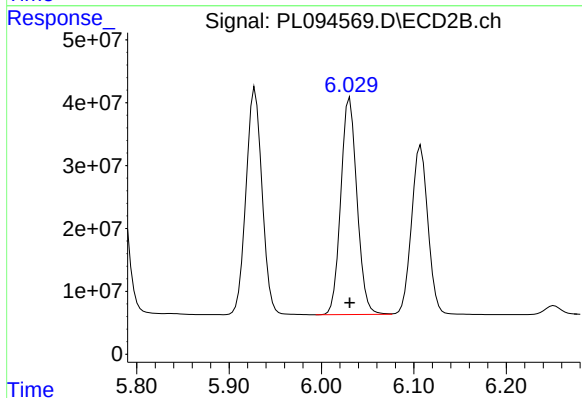
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 374466215
Conc: 102.21 ng/ml



#17 4,4'-DDT

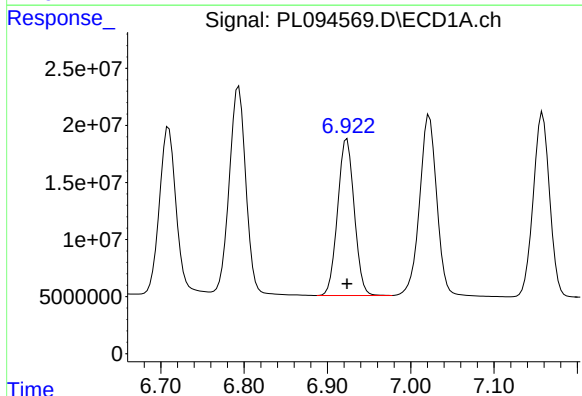
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 225075617
Conc: 99.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



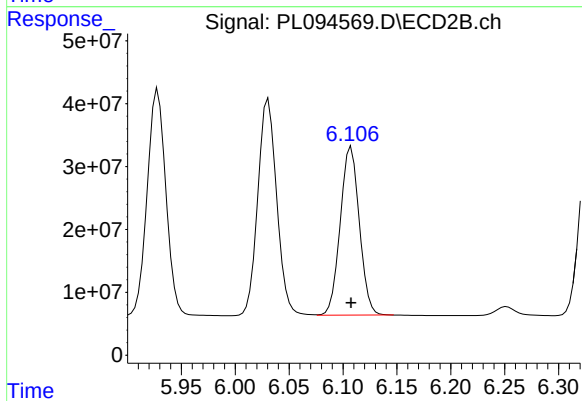
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 420641323
Conc: 102.34 ng/ml



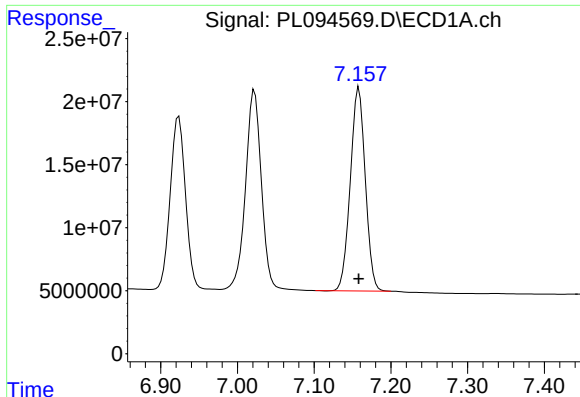
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 189940982
Conc: 97.54 ng/ml



#18 Endrin aldehyde

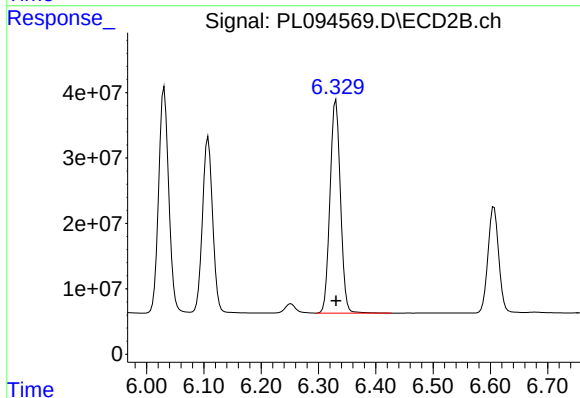
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 330131461
Conc: 100.34 ng/ml



#19 Endosulfan Sulfate

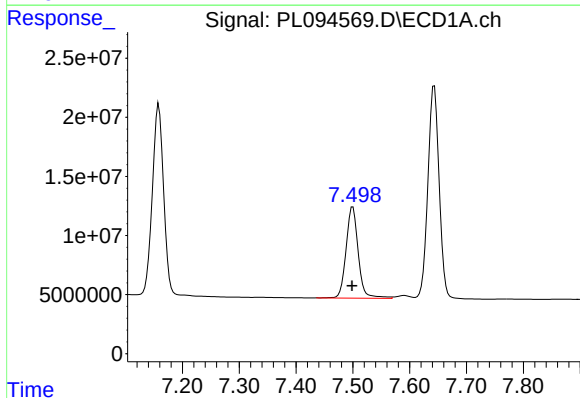
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 220288726
Conc: 97.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



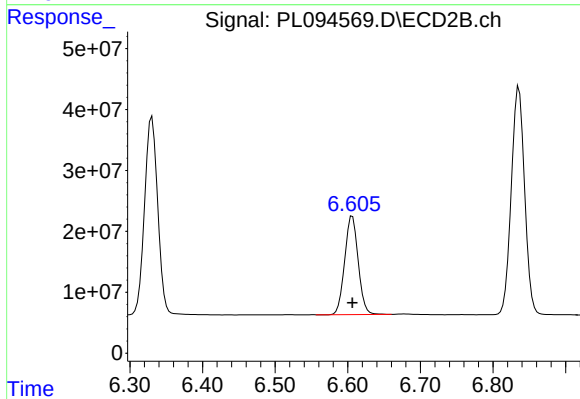
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 411435976
Conc: 101.00 ng/ml



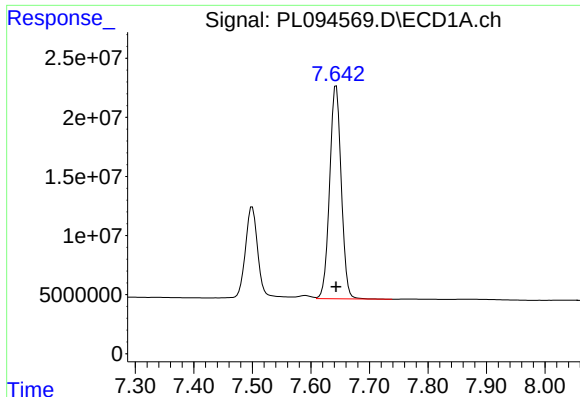
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.001 min
Response: 115119421
Conc: 101.74 ng/ml



#20 Methoxychlor

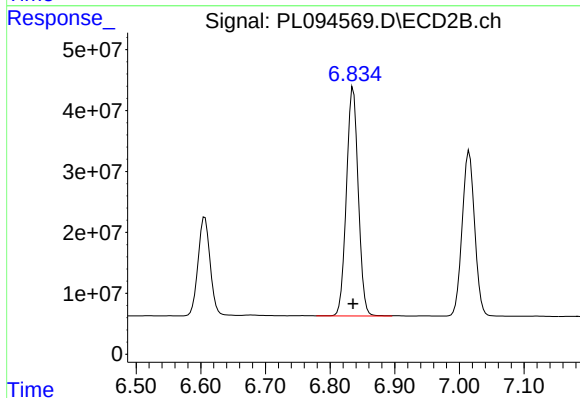
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 208916485
Conc: 99.76 ng/ml



#21 Endrin ketone

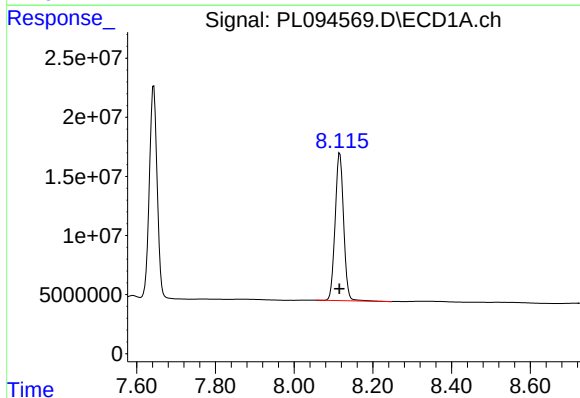
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 248530773
Conc: 99.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



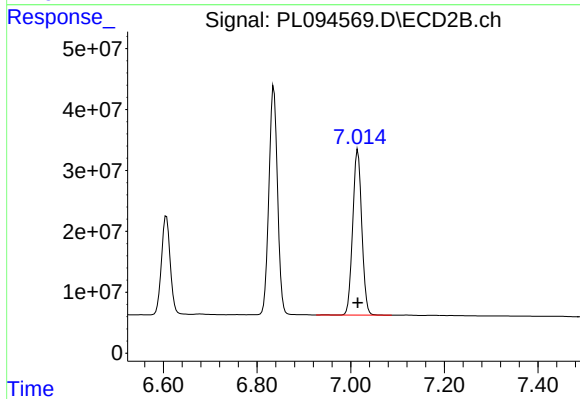
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 478749237
Conc: 100.84 ng/ml



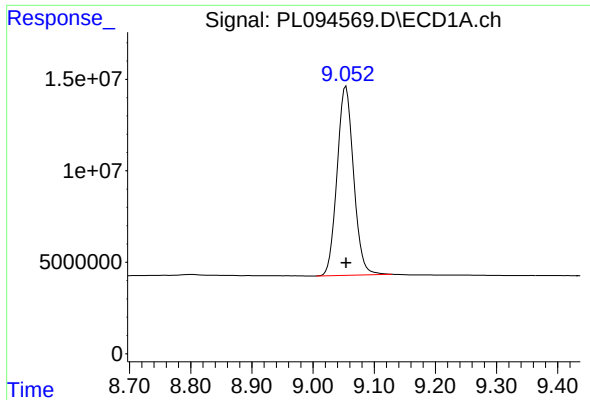
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 187064804
Conc: 98.25 ng/ml



#22 Mirex

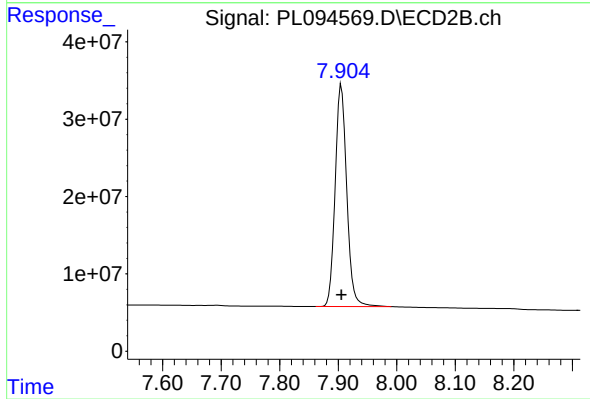
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 365572908
Conc: 99.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 193896231
Conc: 97.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: 0.000 min
Response: 395031656
Conc: 100.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094570.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:49
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:25:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	201.1E6	263.8E6	74.661	74.715
28)	SA Decachlor...	9.055	7.907	147.1E6	290.1E6	74.529	74.250
Target Compounds							
2)	A alpha-BHC	3.994	3.274	299.7E6	415.1E6	74.590	74.846
3)	MA gamma-BHC...	4.327	3.604	286.8E6	392.3E6	74.491	74.788
4)	MA Heptachlor	4.915	3.942	274.6E6	394.7E6	74.717	74.686
5)	MB Aldrin	5.256	4.221	261.3E6	367.8E6	74.639	74.632
6)	B beta-BHC	4.525	3.905	126.6E6	161.7E6	74.425	74.433
7)	B delta-BHC	4.773	4.133	276.2E6	381.6E6	74.421	74.685
8)	B Heptachlo...	5.683	4.724	234.3E6	338.9E6	74.391	74.396
9)	A Endosulfan I	6.068	5.094	214.1E6	327.1E6	74.379	74.540
10)	B gamma-Chl...	5.939	4.974	236.0E6	360.5E6	74.469	74.458
11)	B alpha-Chl...	6.018	5.038	230.0E6	353.6E6	74.279	74.319
12)	B 4,4'-DDE	6.192	5.226	209.3E6	344.3E6	74.444	74.114
13)	MA Dieldrin	6.343	5.358	223.3E6	363.9E6	74.299	74.605
14)	MA Endrin	6.574	5.634	193.9E6	324.4E6	74.564	74.369
15)	B Endosulfa...	6.793	5.928	187.1E6	317.8E6	74.019	74.259
16)	A 4,4'-DDD	6.710	5.781	152.9E6	270.0E6	74.080	74.117
17)	MA 4,4'-DDT	7.024	6.032	169.4E6	304.6E6	74.825	74.399
18)	B Endrin al...	6.924	6.108	143.4E6	242.5E6	74.079	74.128
19)	B Endosulfa...	7.158	6.331	167.1E6	298.4E6	74.536	73.822
20)	A Methoxychlor	7.500	6.607	86133491	156.4E6	75.871	74.794
21)	B Endrin ke...	7.644	6.836	186.7E6	352.0E6	74.884	74.420
22)	Mirex	8.116	7.015	141.5E6	271.3E6	74.690	74.275

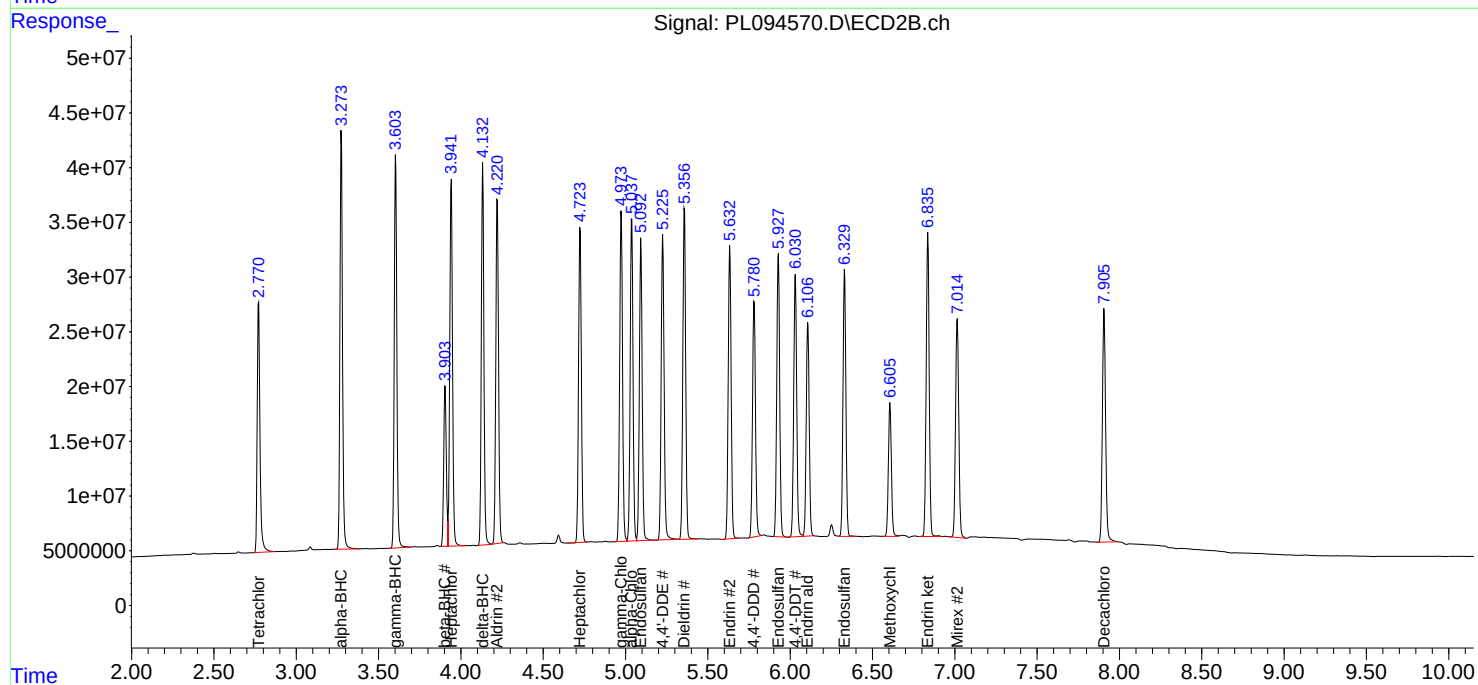
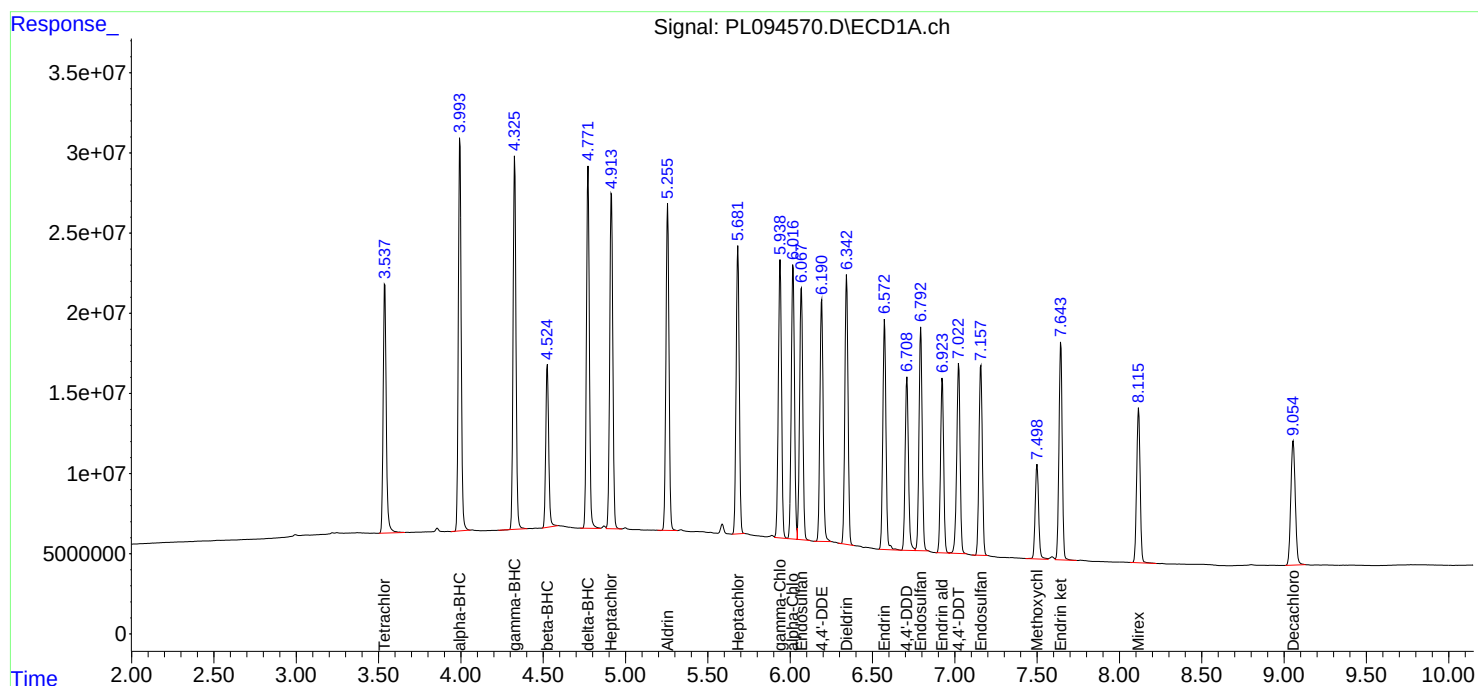
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

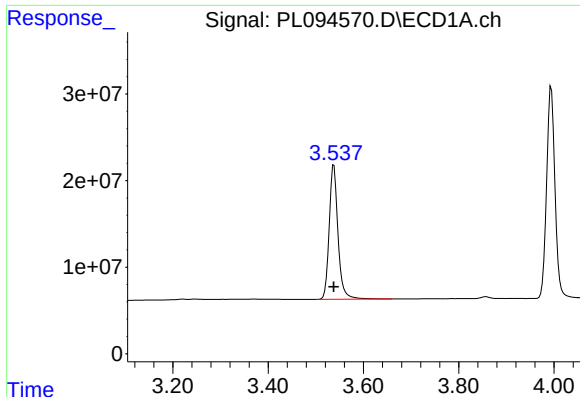
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:49
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:25:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

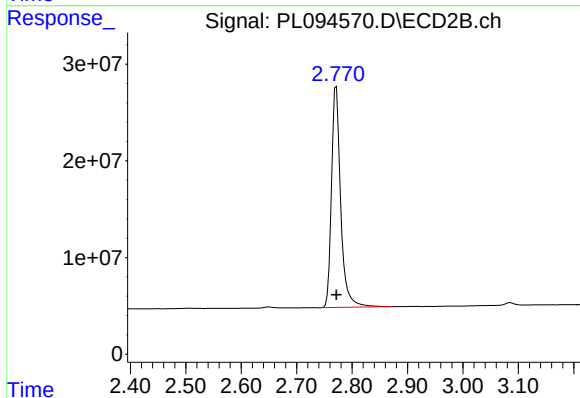




#1 Tetrachloro-m-xylene

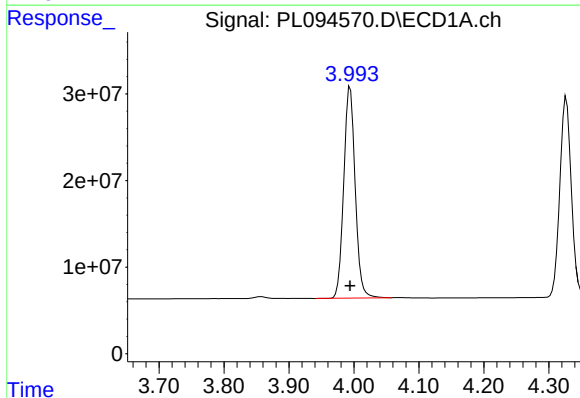
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 201142853
Conc: 74.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



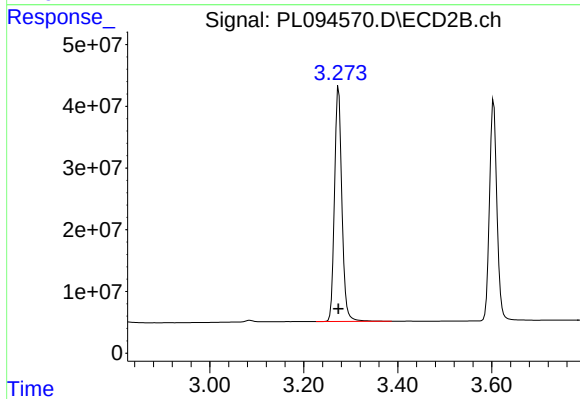
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 263799483
Conc: 74.71 ng/ml



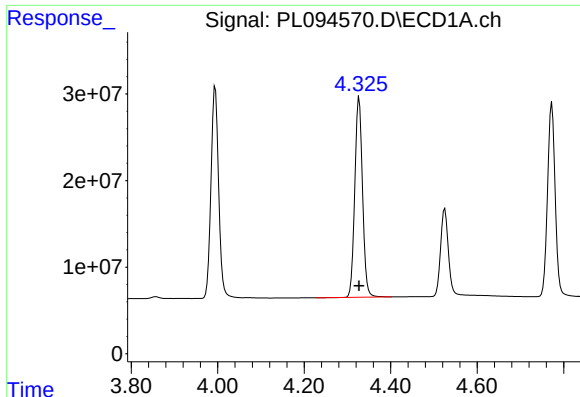
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 299674738
Conc: 74.59 ng/ml



#2 alpha-BHC

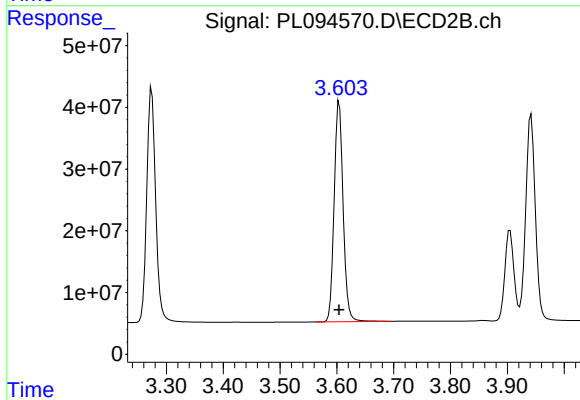
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 415112906
Conc: 74.85 ng/ml



#3 gamma-BHC (Lindane)

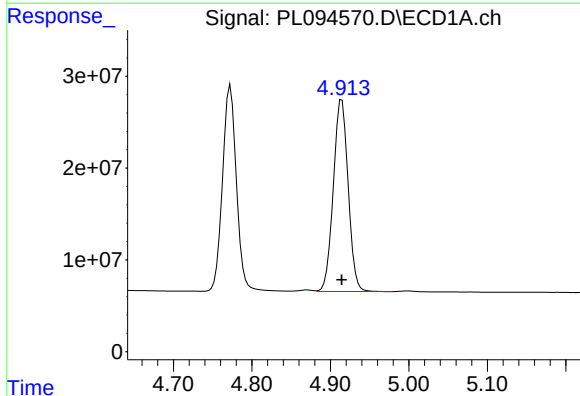
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 286840913
Conc: 74.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



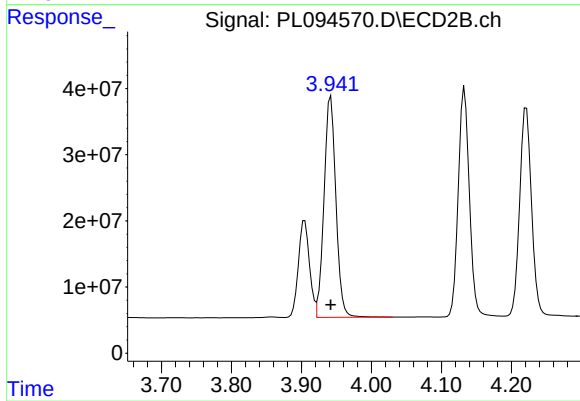
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 392257185
Conc: 74.79 ng/ml



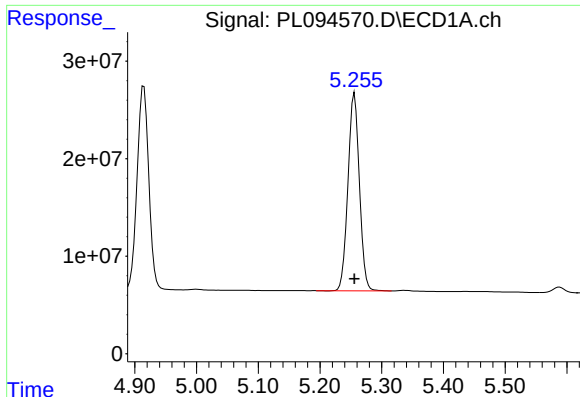
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 274574691
Conc: 74.72 ng/ml



#4 Heptachlor

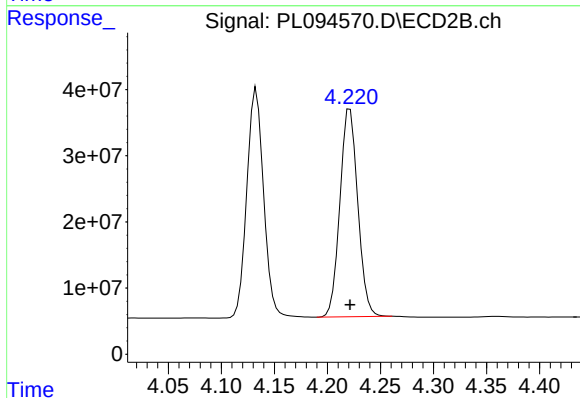
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 394705067
Conc: 74.69 ng/ml



#5 Aldrin

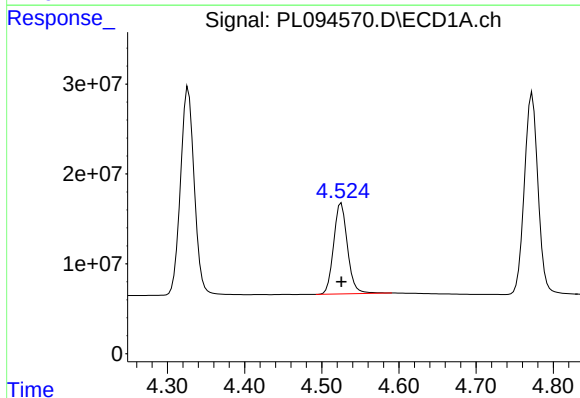
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 261288108
Conc: 74.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



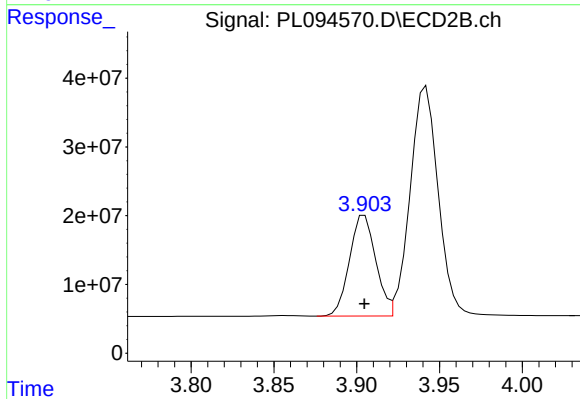
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 367798902
Conc: 74.63 ng/ml



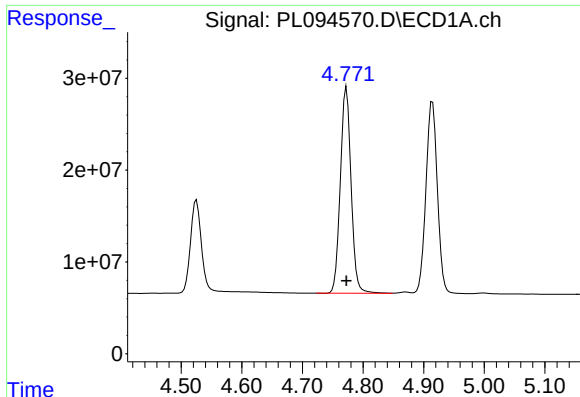
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 126613518
Conc: 74.42 ng/ml



#6 beta-BHC

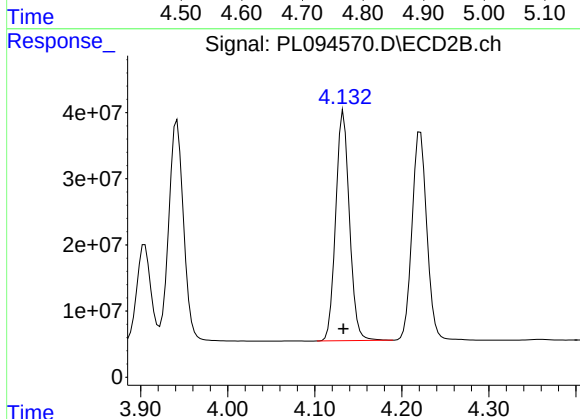
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 161729415
Conc: 74.43 ng/ml



#7 delta-BHC

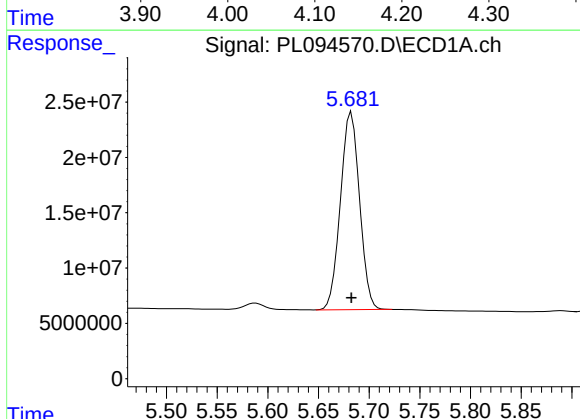
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 276213712
Conc: 74.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



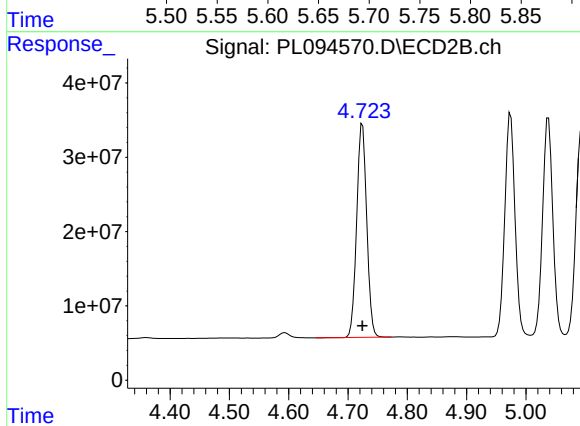
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 381584993
Conc: 74.69 ng/ml



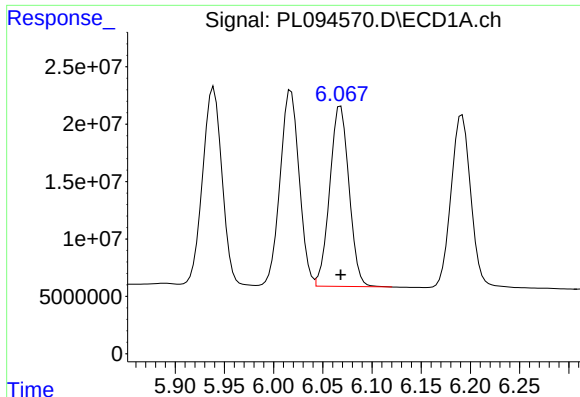
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 234307611
Conc: 74.39 ng/ml



#8 Heptachlor epoxide

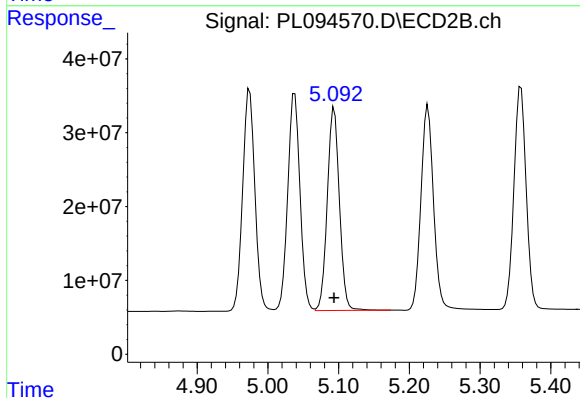
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 338947683
Conc: 74.40 ng/ml



#9 Endosulfan I

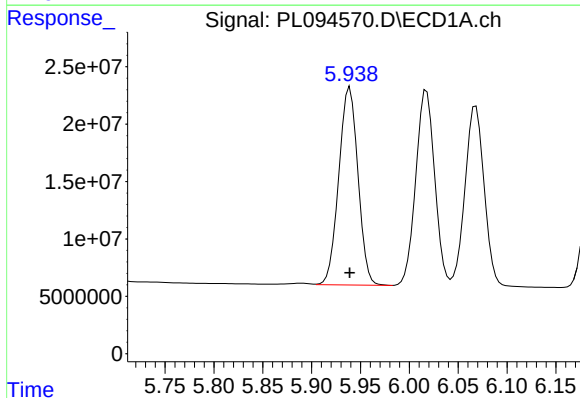
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 214077097
Conc: 74.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



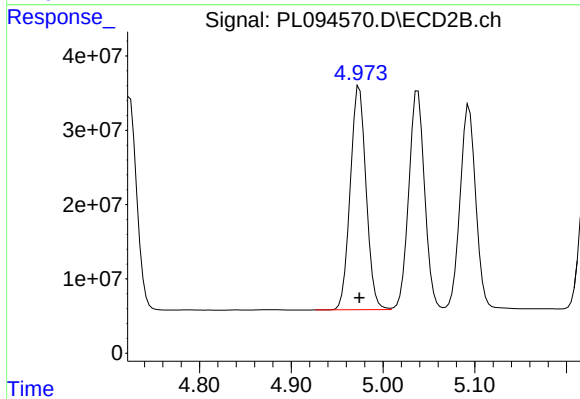
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 327058959
Conc: 74.54 ng/ml



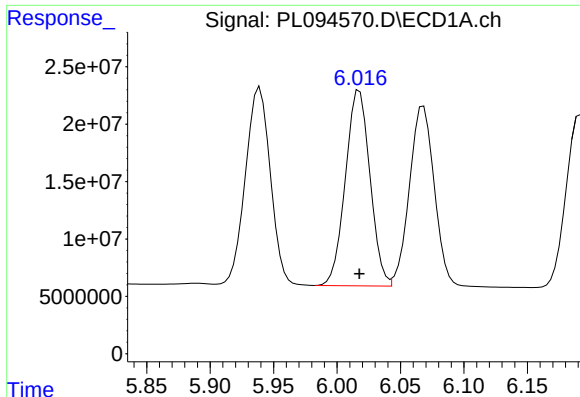
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 235979855
Conc: 74.47 ng/ml



#10 gamma-Chlordane

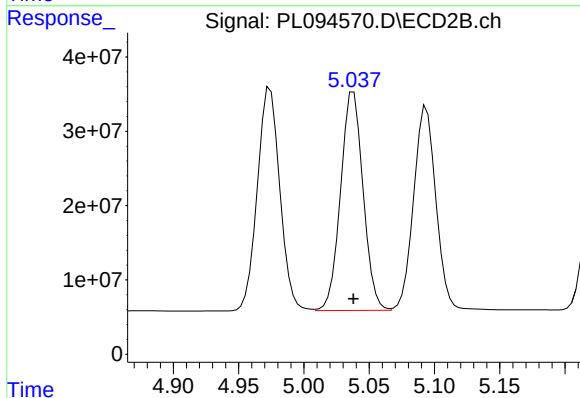
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 360471631
Conc: 74.46 ng/ml



#11 alpha-Chlordane

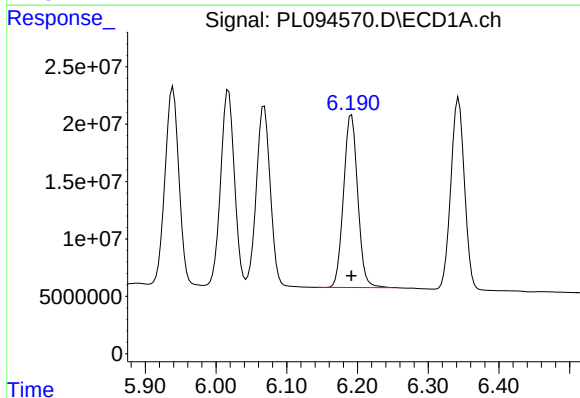
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 230043306
Conc: 74.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



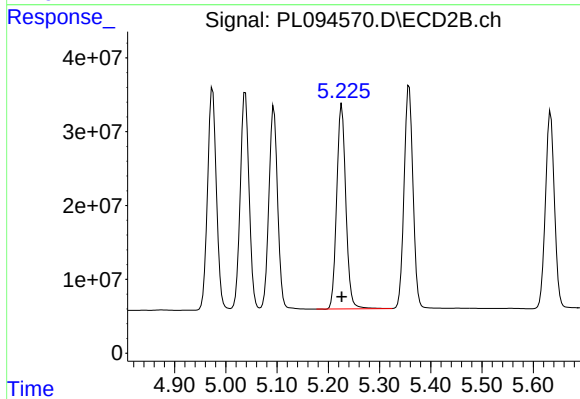
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 353614949
Conc: 74.32 ng/ml



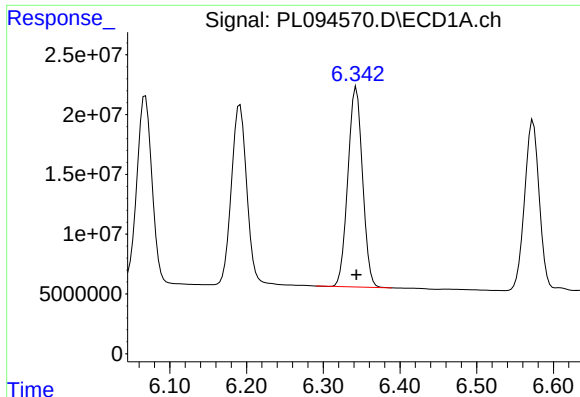
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 209341973
Conc: 74.44 ng/ml



#12 4,4'-DDE

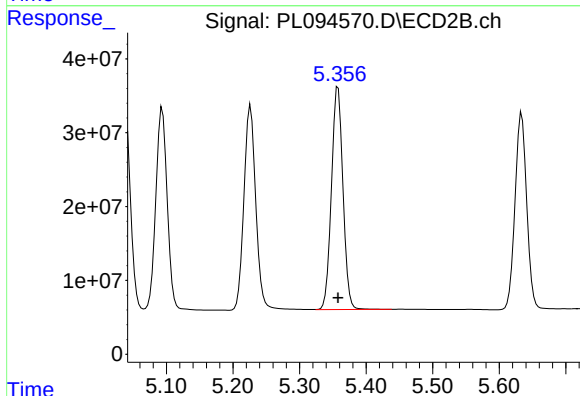
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 344267084
Conc: 74.11 ng/ml



#13 Dieldrin

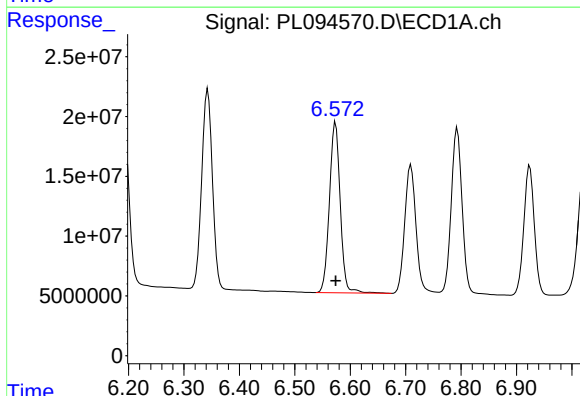
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 223314903
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



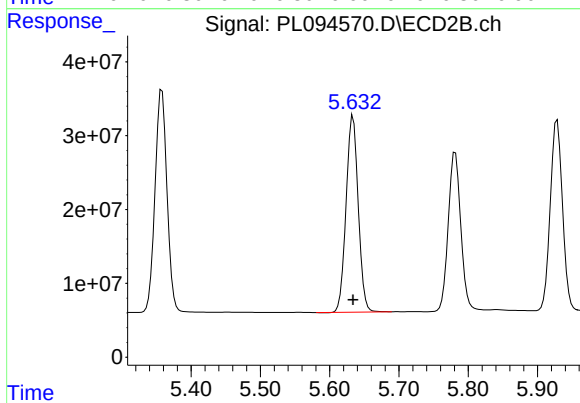
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 363943892
Conc: 74.60 ng/ml



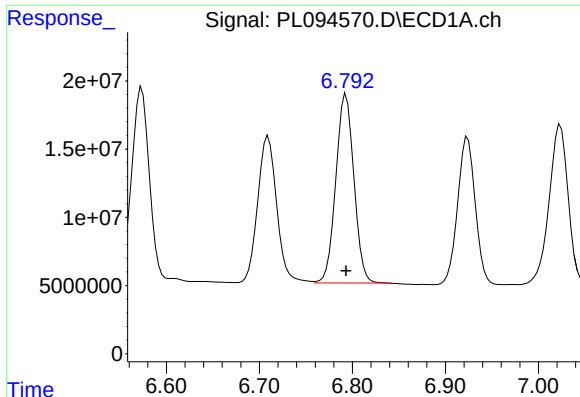
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 193850510
Conc: 74.56 ng/ml



#14 Endrin

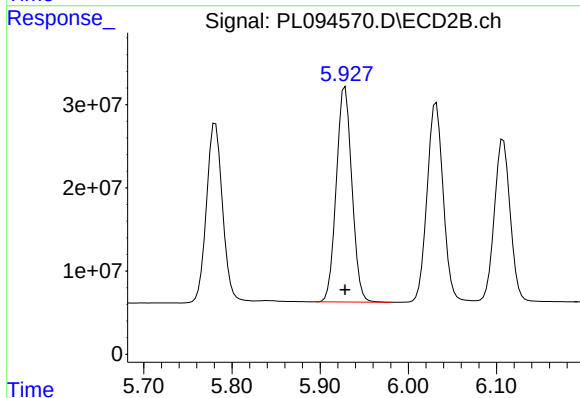
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 324396614
Conc: 74.37 ng/ml



#15 Endosulfan II

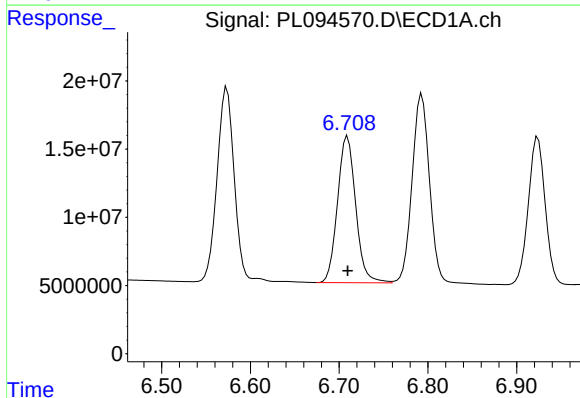
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 187131432
Conc: 74.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



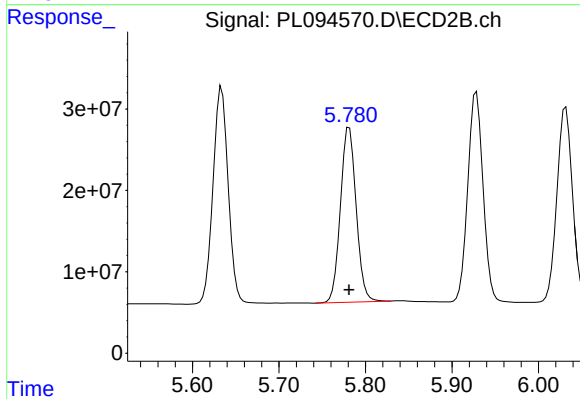
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 317833183
Conc: 74.26 ng/ml



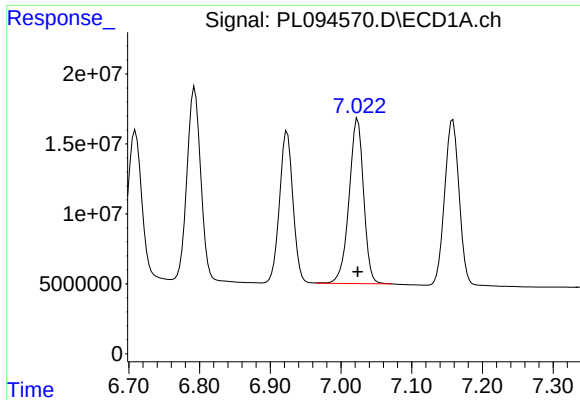
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 152854261
Conc: 74.08 ng/ml



#16 4,4'-DDD

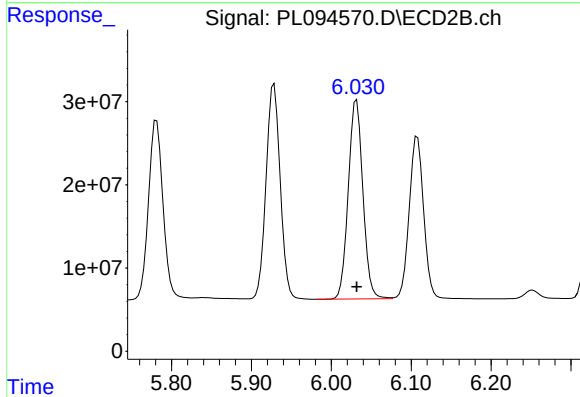
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 269957054
Conc: 74.12 ng/ml



#17 4,4'-DDT

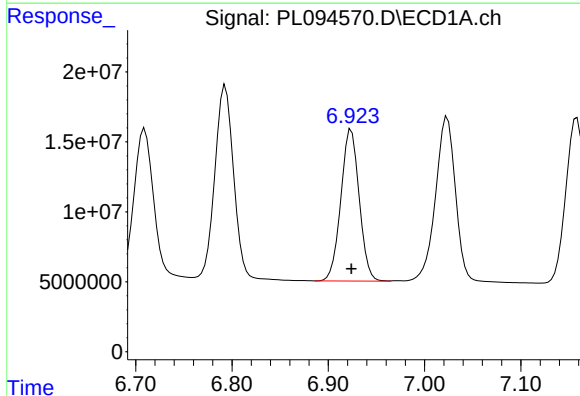
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 169409218
Conc: 74.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



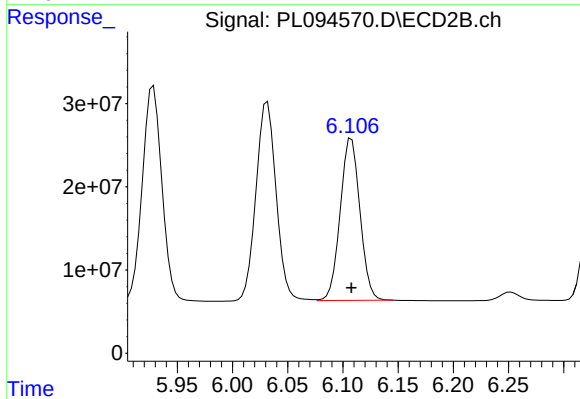
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 304588533
Conc: 74.40 ng/ml



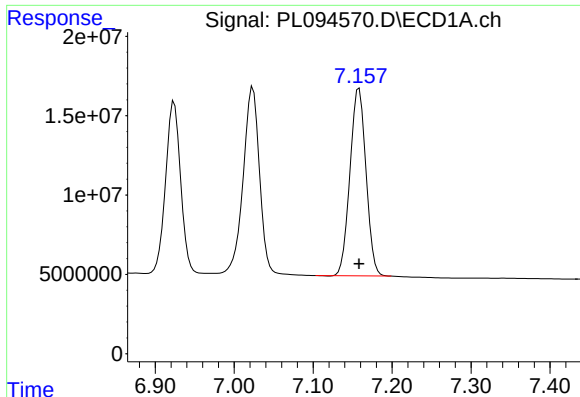
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 143367924
Conc: 74.08 ng/ml



#18 Endrin aldehyde

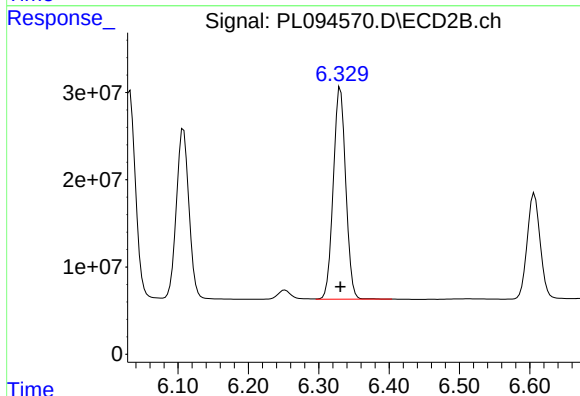
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 242485357
Conc: 74.13 ng/ml



#19 Endosulfan Sulfate

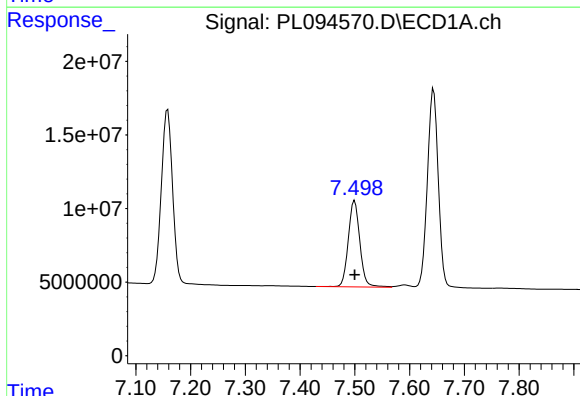
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 167119326
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



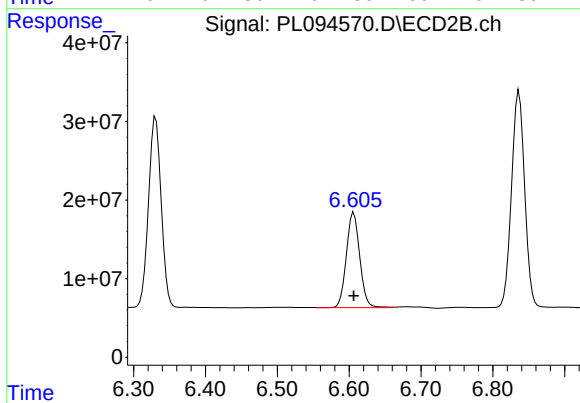
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 298376745
Conc: 73.82 ng/ml



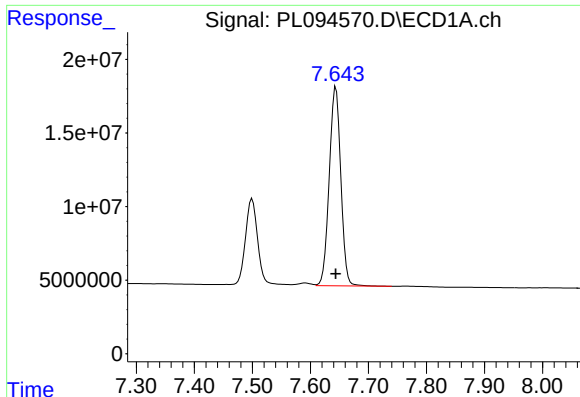
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 86133491
Conc: 75.87 ng/ml



#20 Methoxychlor

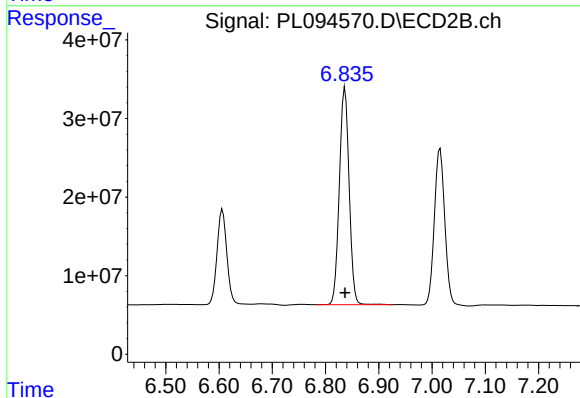
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 156422121
Conc: 74.79 ng/ml



#21 Endrin ketone

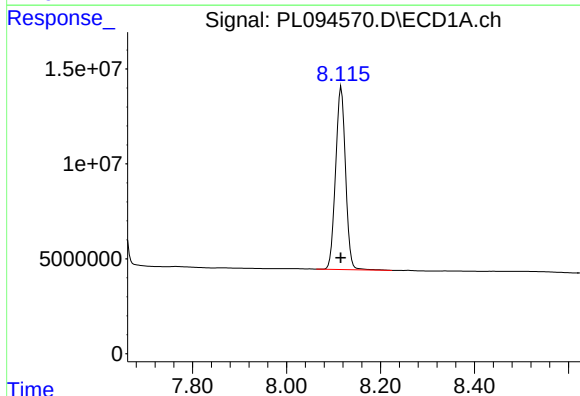
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 186691823
Conc: 74.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



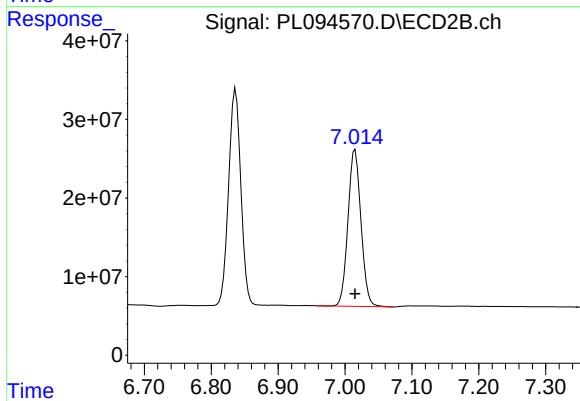
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 351951268
Conc: 74.42 ng/ml



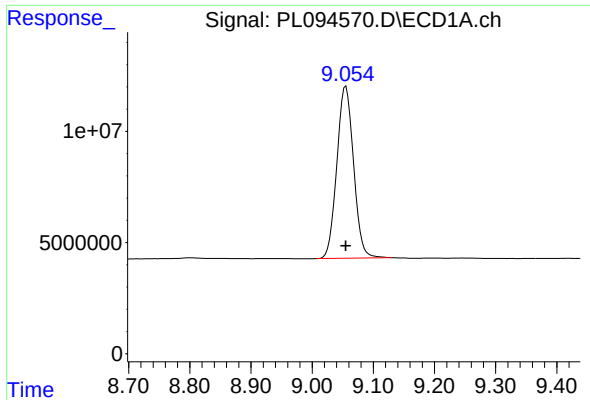
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 141505595
Conc: 74.69 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 271252738
Conc: 74.27 ng/ml



#28 Decachlorobiphenyl

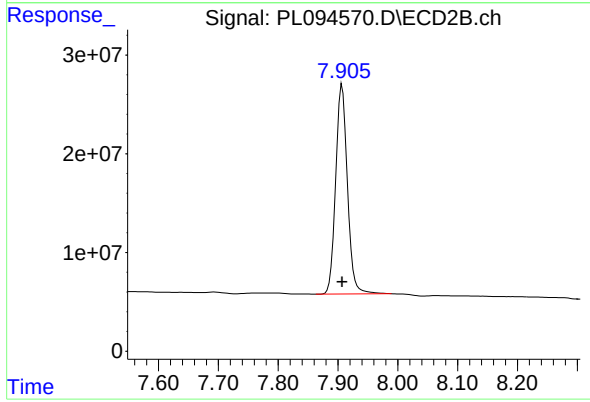
R.T.: 9.055 min

Delta R.T.: 0.000 min

Response: 147082223

Conc: 74.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.907 min

Delta R.T.: 0.000 min

Response: 290138744

Conc: 74.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 11:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:30:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:20:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	15742011	18150694	5.561	5.085
28) SA Decachlor...	9.054	7.907	12102935	21893845	5.743	5.420
Target Compounds						
2) A alpha-BHC	3.994	3.274	22508812	24676980	5.421	4.577
3) MA gamma-BHC...	4.327	3.604	21692650	24458202	5.436	4.759
4) MA Heptachlor	4.915	3.942	22087992	26077247	5.690	4.950
5) MB Aldrin	5.255	4.221	20957367	23908309	5.676	4.903
6) B beta-BHC	4.526	3.904	10995992	11686040	5.959	5.261
7) B delta-BHC	4.773	4.133	22020853	23699092	5.655	4.738
8) B Heptachlo...	5.683	4.724	19453698	23158906	5.815	5.058
9) A Endosulfan I	6.068	5.093	17891515	21935089	5.827	4.998
10) B gamma-Chl...	5.939	4.974	19554071	24034465	5.803	4.978
11) B alpha-Chl...	6.018	5.037	19118493	24149442	5.799	5.060
12) B 4,4'-DDE	6.192	5.226	16237816	24538746	5.519	5.277
13) MA Dieldrin	6.343	5.357	18519033	24971481	5.791	5.143
14) MA Endrin	6.573	5.634	16250514	22009138	5.928	5.044
15) B Endosulfa...	6.794	5.928	15955971	22294667	5.878	5.151
16) A 4,4'-DDD	6.709	5.781	12006590	17465773	5.543	4.857
17) MA 4,4'-DDT	7.023	6.031	13292713	19335325	5.589	4.795
18) B Endrin al...	6.924	6.108	12931122	18117904	6.126	5.384
19) B Endosulfa...	7.158	6.330	14569704	20835311	5.991	5.115
20) A Methoxychlor	7.500	6.607	6518266	10878189	5.445	5.129
21) B Endrin ke...	7.643	6.836	15012445	24808186	5.679	5.164
22) Mirex	8.116	7.015	12387768	20631086	5.995	5.436

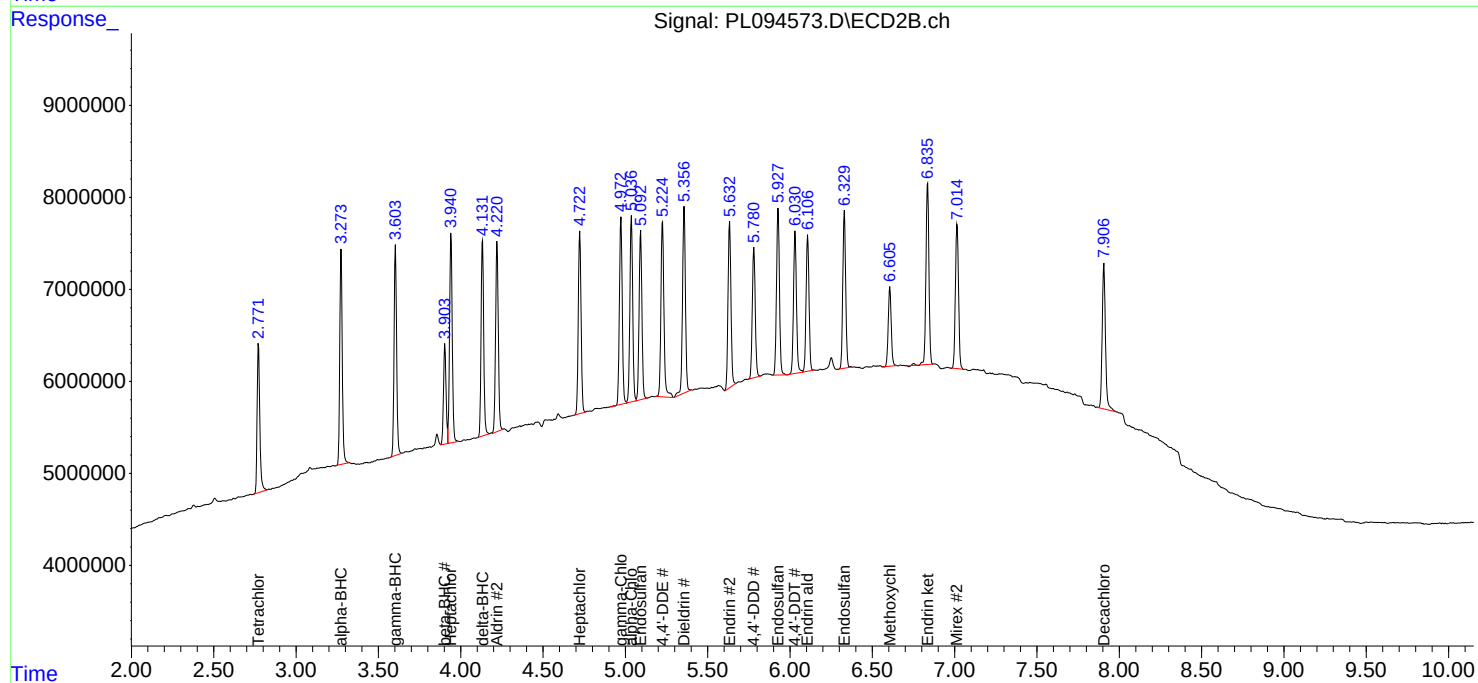
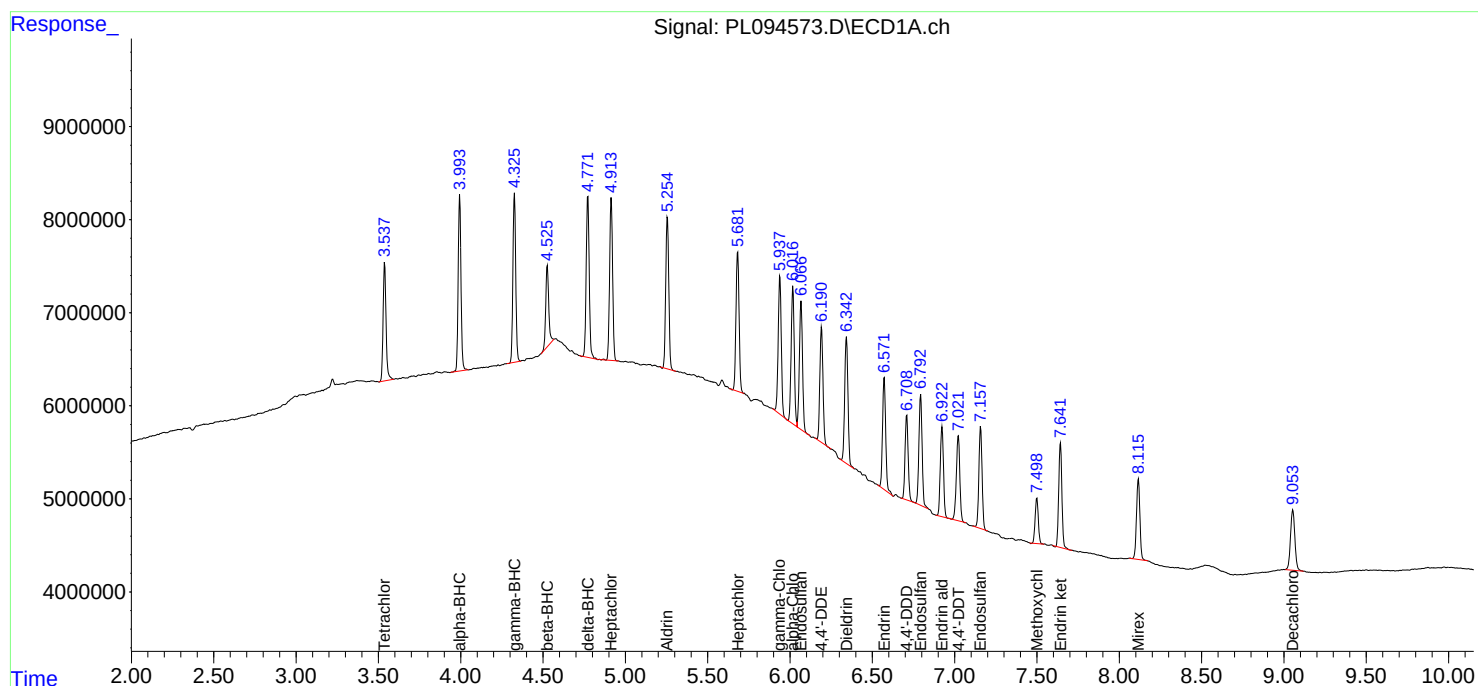
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

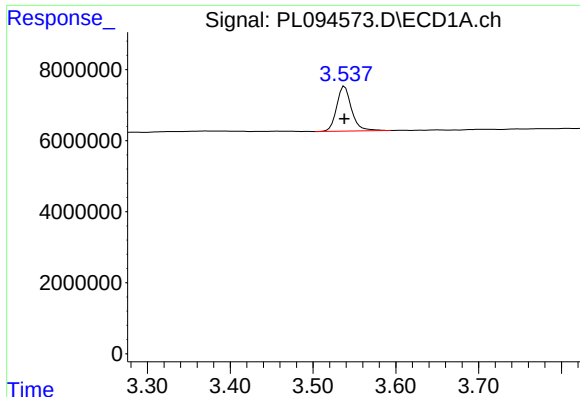
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:30:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:20:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

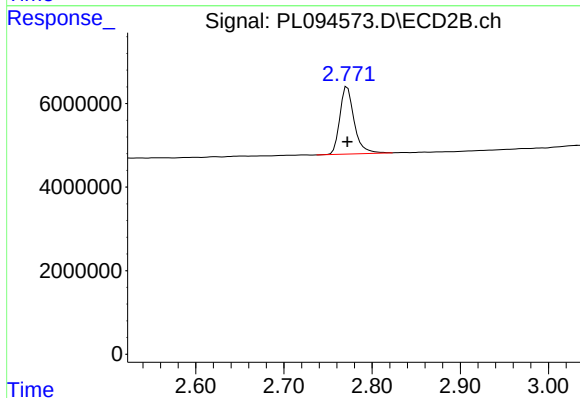




#1 Tetrachloro-m-xylene

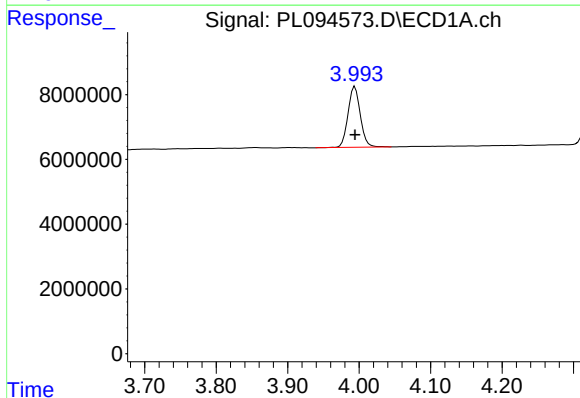
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 15742011
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



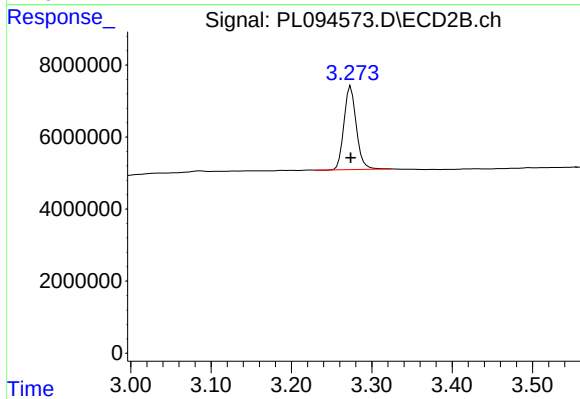
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 18150694
Conc: 5.09 ng/ml



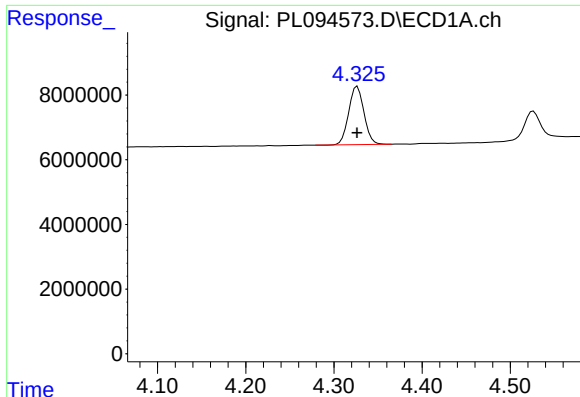
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 22508812
Conc: 5.42 ng/ml



#2 alpha-BHC

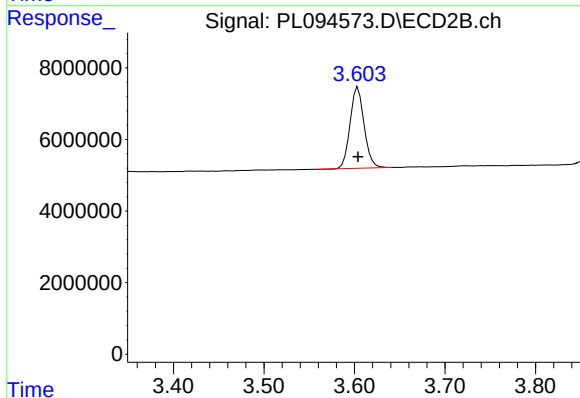
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 24676980
Conc: 4.58 ng/ml



#3 gamma-BHC (Lindane)

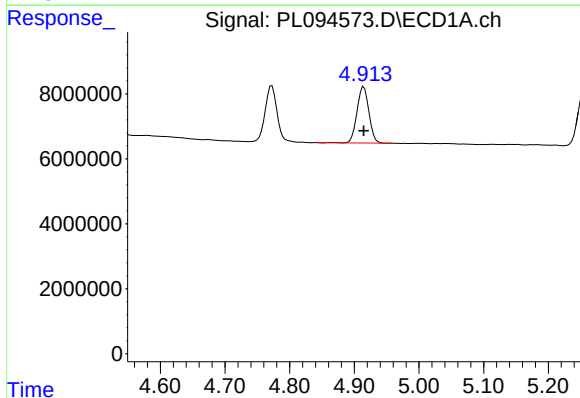
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 21692650
Conc: 5.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



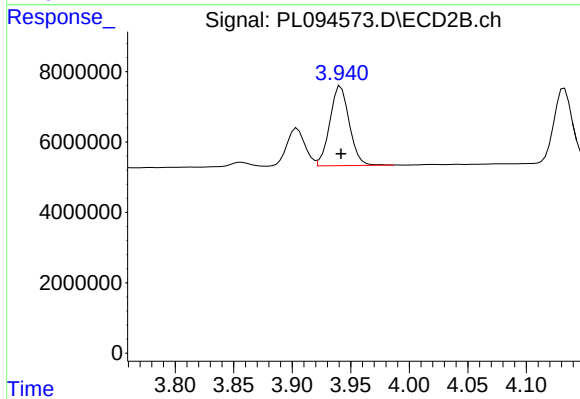
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 24458202
Conc: 4.76 ng/ml



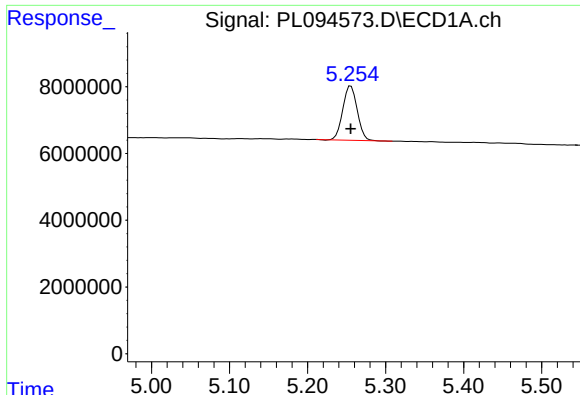
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 22087992
Conc: 5.69 ng/ml



#4 Heptachlor

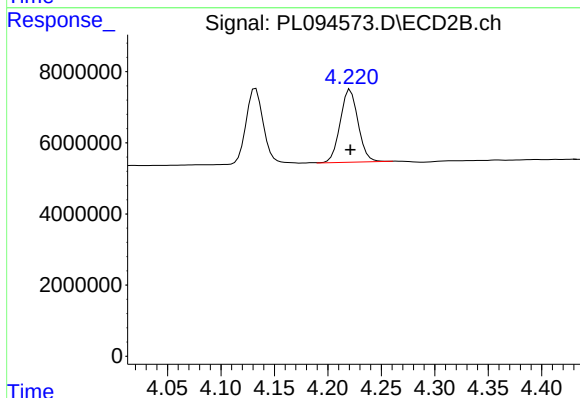
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 26077247
Conc: 4.95 ng/ml



#5 Aldrin

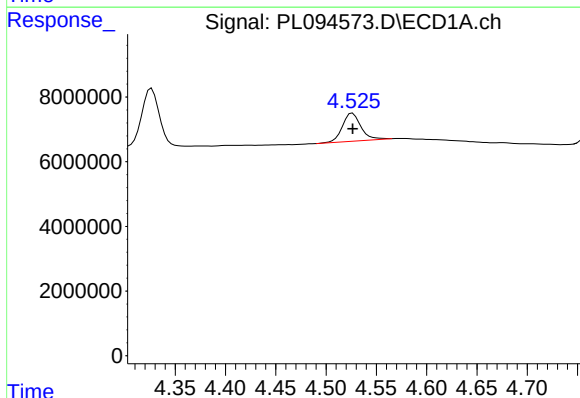
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20957367
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



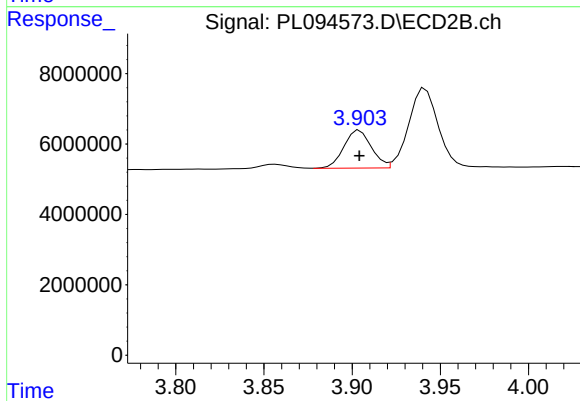
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 23908309
Conc: 4.90 ng/ml



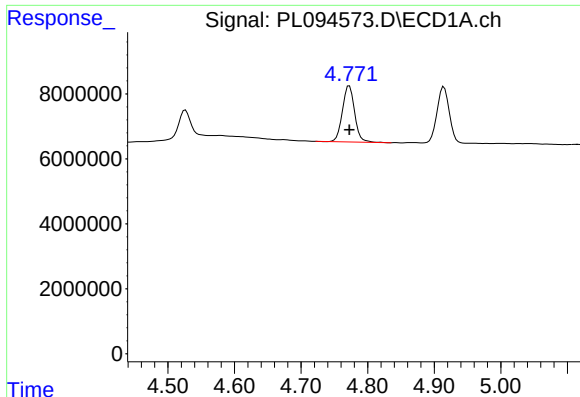
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 10995992
Conc: 5.96 ng/ml



#6 beta-BHC

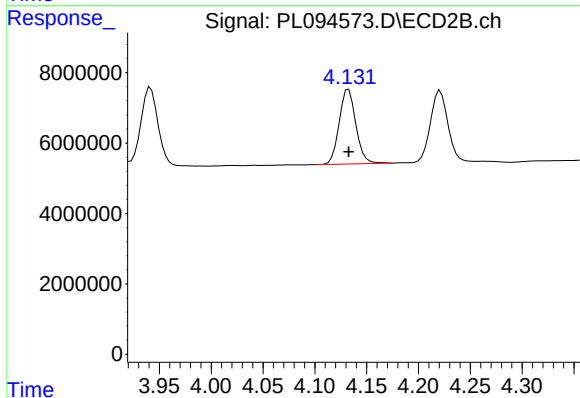
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 11686040
Conc: 5.26 ng/ml



#7 delta-BHC

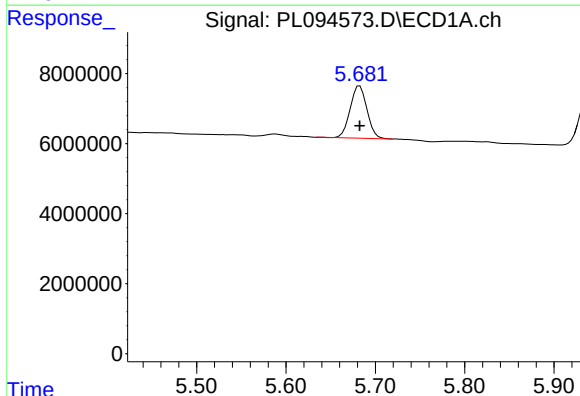
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 22020853
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



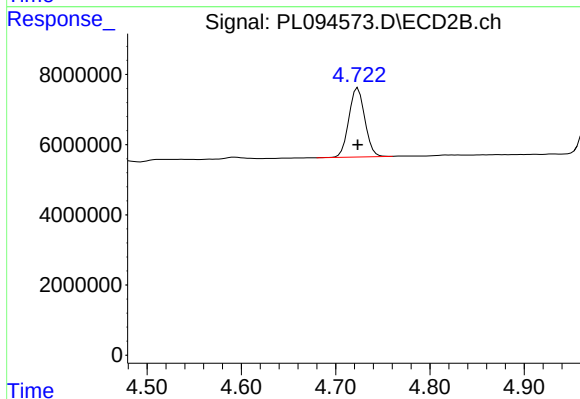
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 23699092
Conc: 4.74 ng/ml



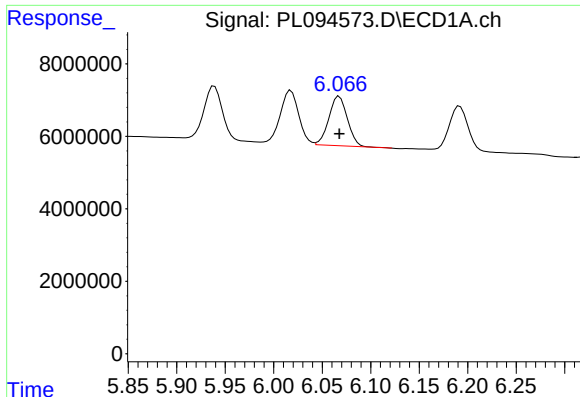
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 19453698
Conc: 5.82 ng/ml



#8 Heptachlor epoxide

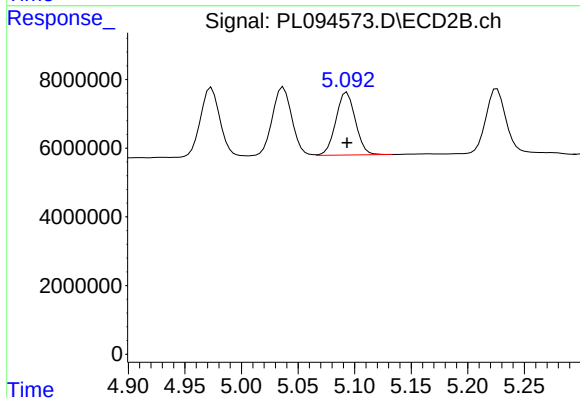
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 23158906
Conc: 5.06 ng/ml



#9 Endosulfan I

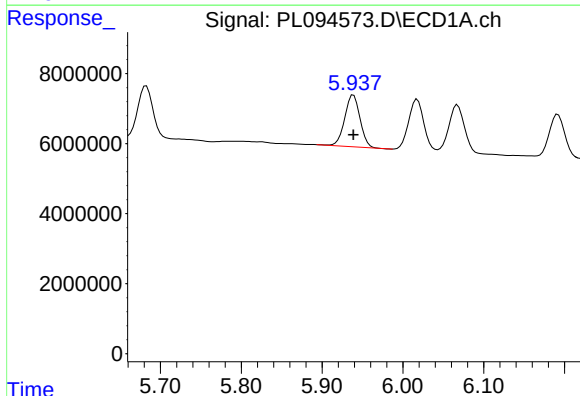
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17891515
Conc: 5.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



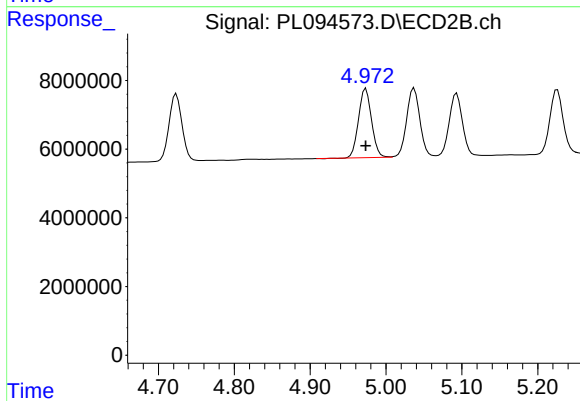
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 21935089
Conc: 5.00 ng/ml



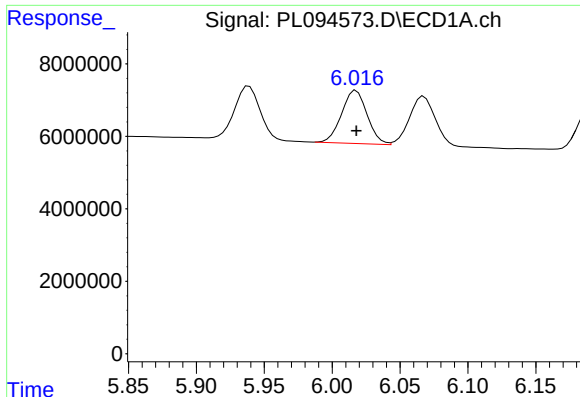
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 19554071
Conc: 5.80 ng/ml



#10 gamma-Chlordane

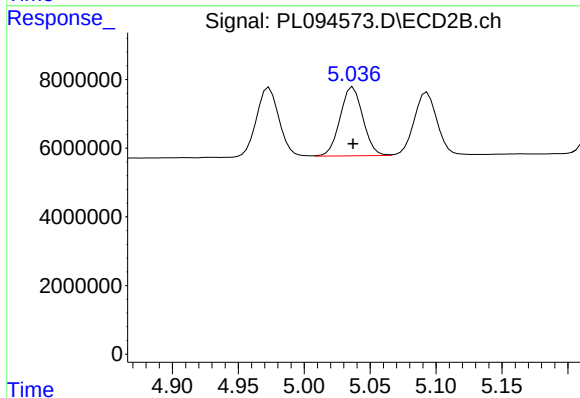
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 24034465
Conc: 4.98 ng/ml



#11 alpha-Chlordane

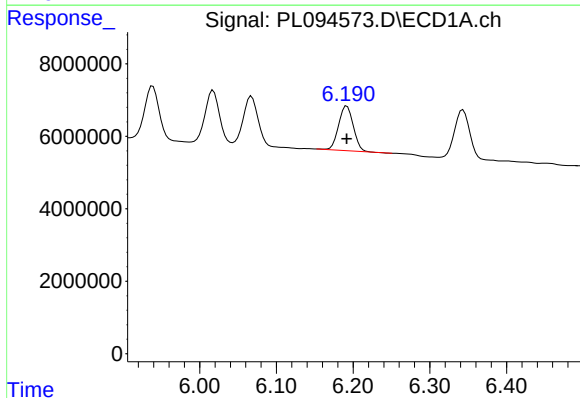
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 19118493
Conc: 5.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



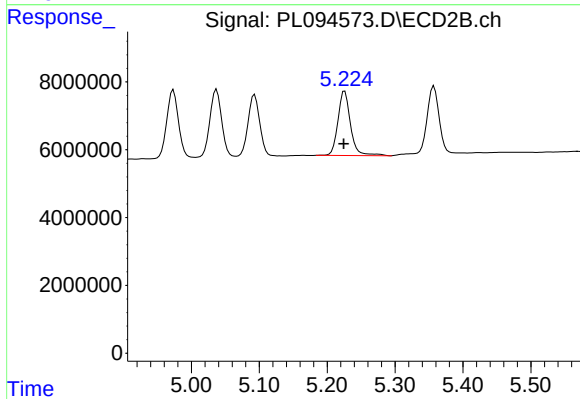
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 24149442
Conc: 5.06 ng/ml



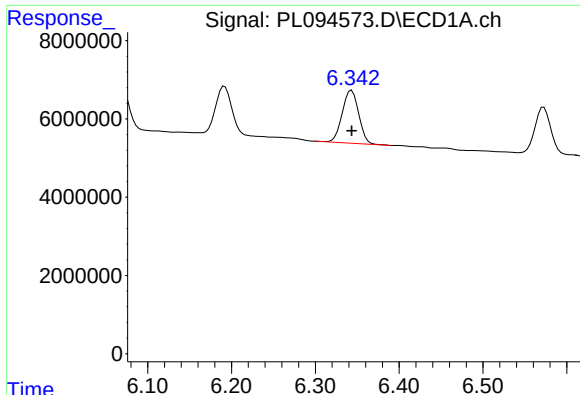
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 16237816
Conc: 5.52 ng/ml



#12 4,4'-DDE

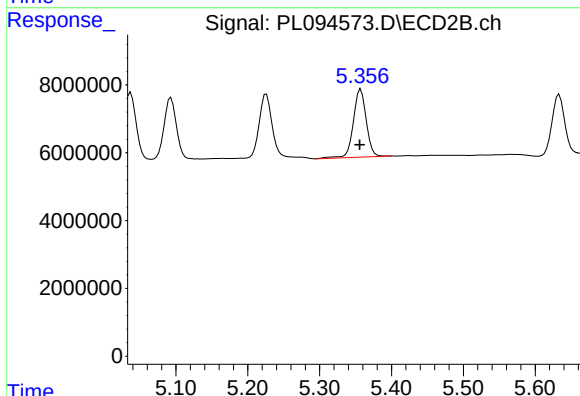
R.T.: 5.226 min
Delta R.T.: 0.001 min
Response: 24538746
Conc: 5.28 ng/ml



#13 Dieldrin

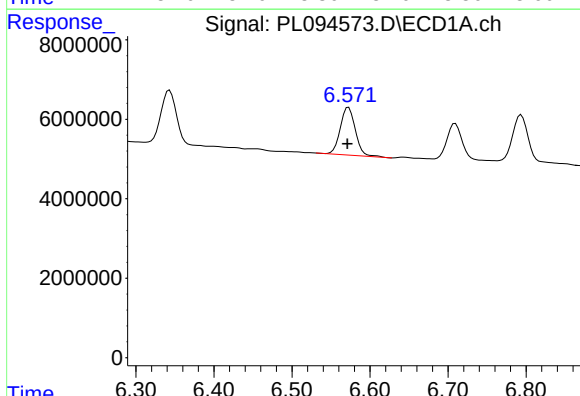
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 18519033
Conc: 5.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



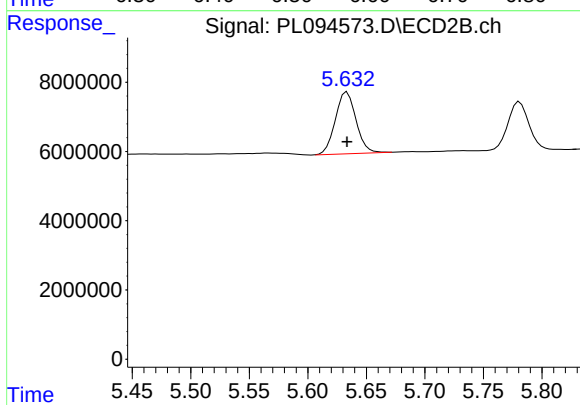
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: 0.001 min
Response: 24971481
Conc: 5.14 ng/ml



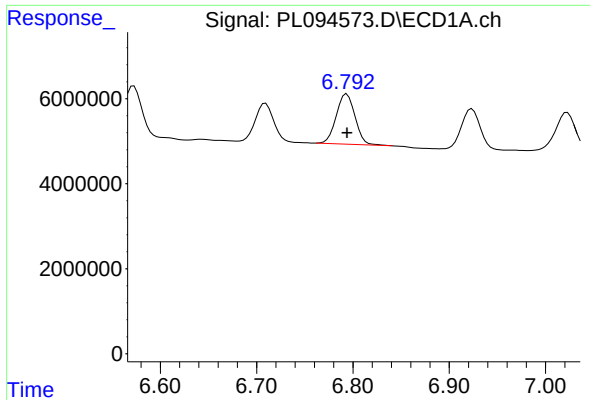
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 16250514
Conc: 5.93 ng/ml



#14 Endrin

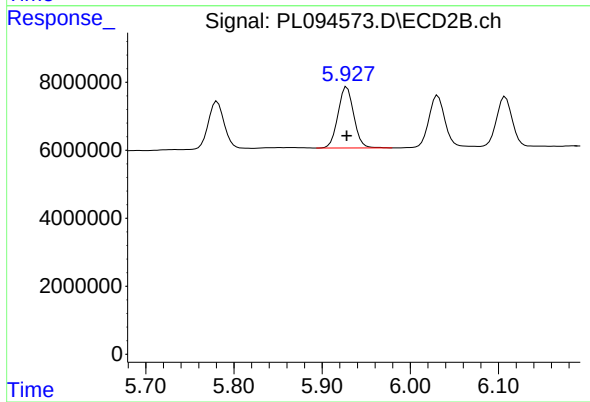
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 22009138
Conc: 5.04 ng/ml



#15 Endosulfan II

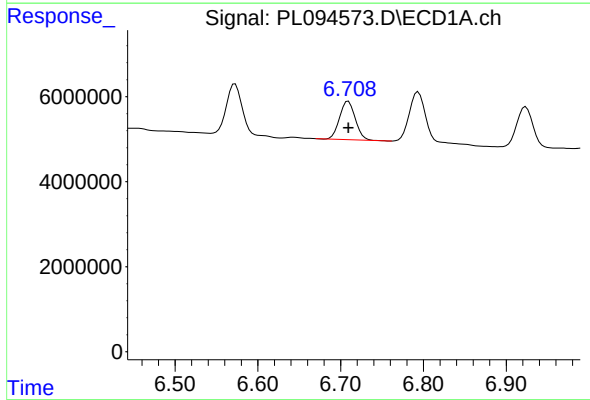
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 15955971
Conc: 5.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



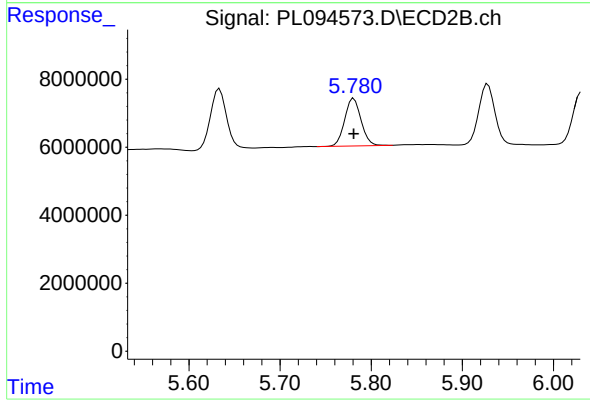
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 22294667
Conc: 5.15 ng/ml



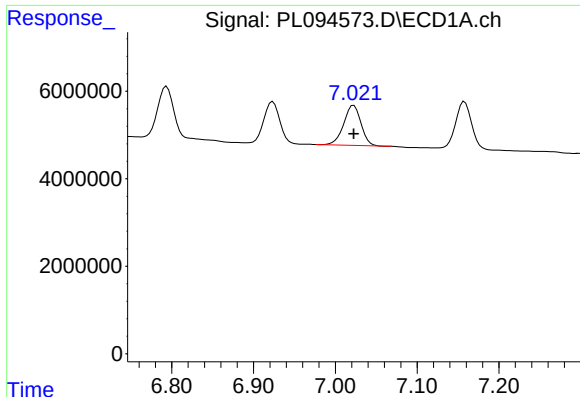
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 12006590
Conc: 5.54 ng/ml



#16 4,4'-DDD

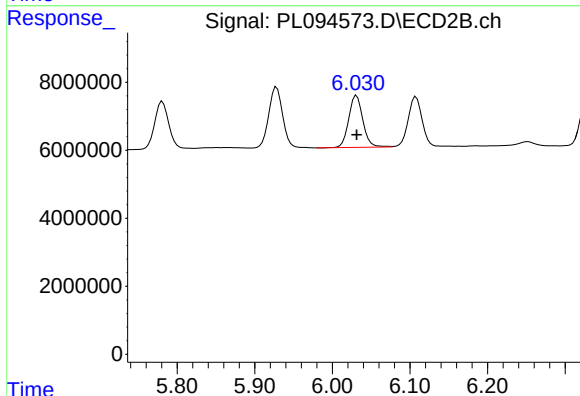
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 17465773
Conc: 4.86 ng/ml



#17 4,4'-DDT

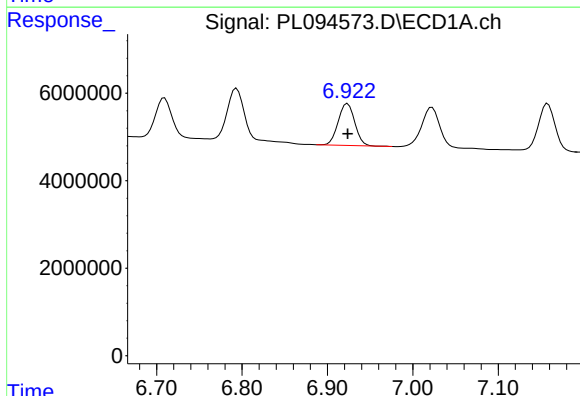
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 13292713
Conc: 5.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



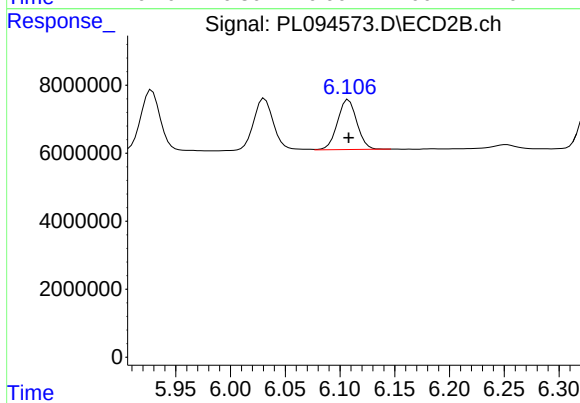
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 19335325
Conc: 4.80 ng/ml



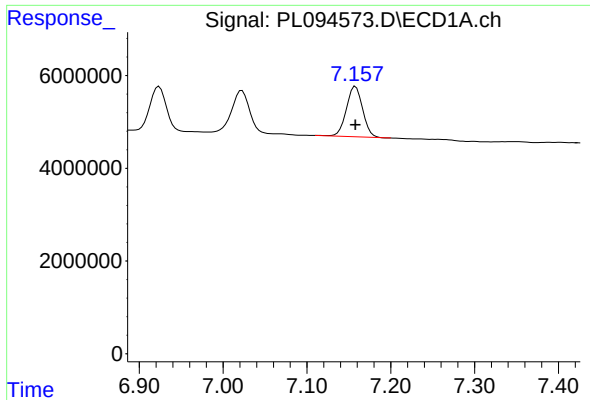
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 12931122
Conc: 6.13 ng/ml



#18 Endrin aldehyde

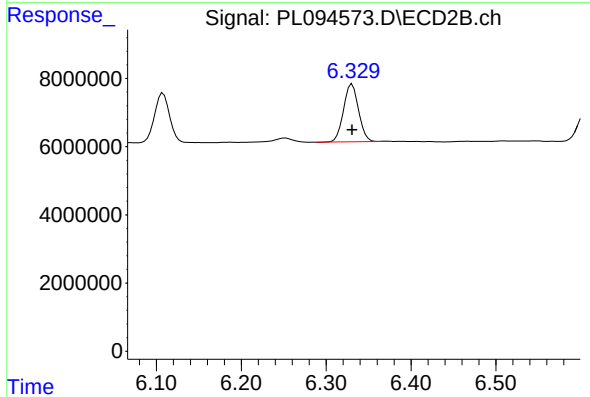
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 18117904
Conc: 5.38 ng/ml



#19 Endosulfan Sulfate

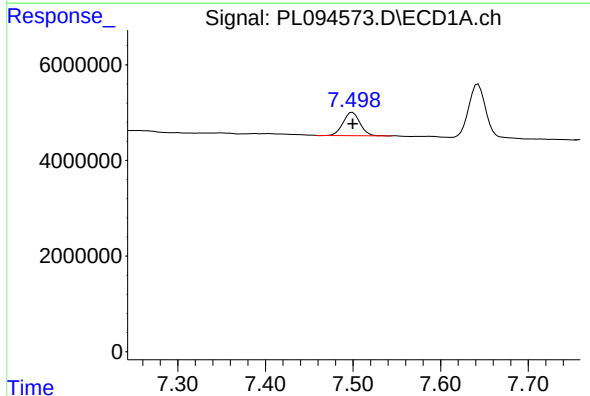
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 14569704
Conc: 5.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



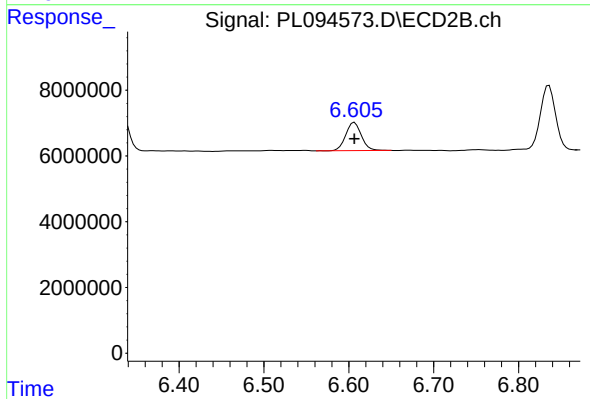
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 20835311
Conc: 5.11 ng/ml



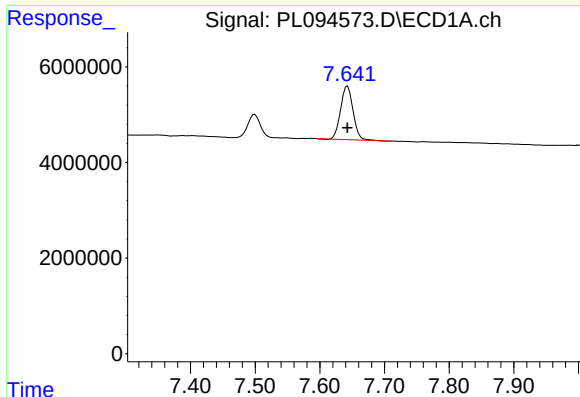
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 6518266
Conc: 5.45 ng/ml



#20 Methoxychlor

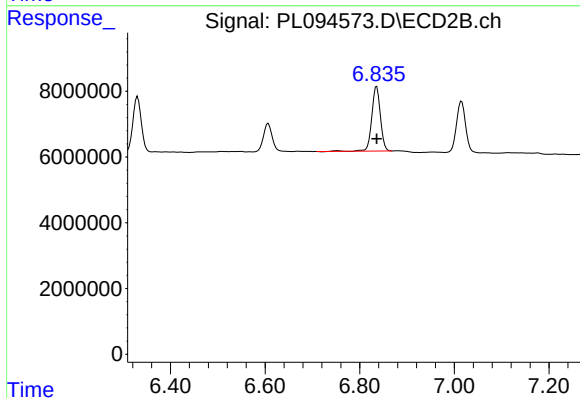
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 10878189
Conc: 5.13 ng/ml



#21 Endrin ketone

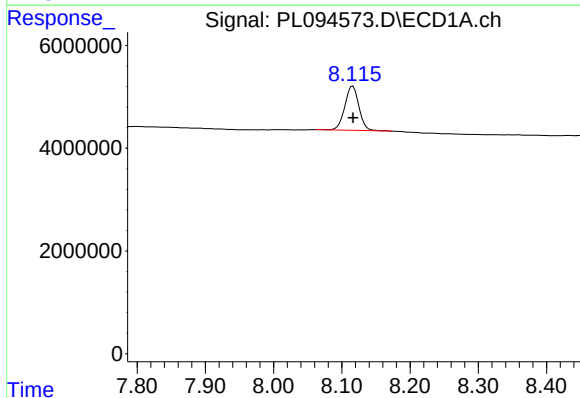
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 15012445
Conc: 5.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



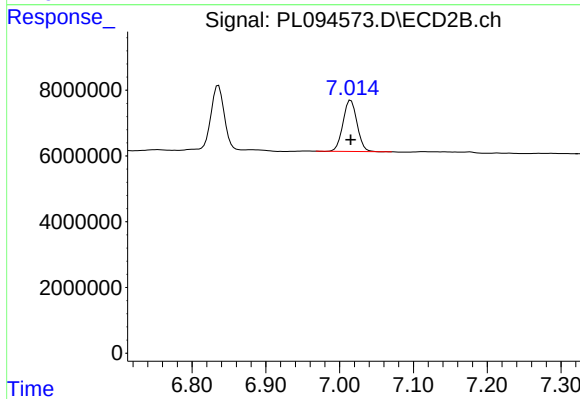
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 24808186
Conc: 5.16 ng/ml



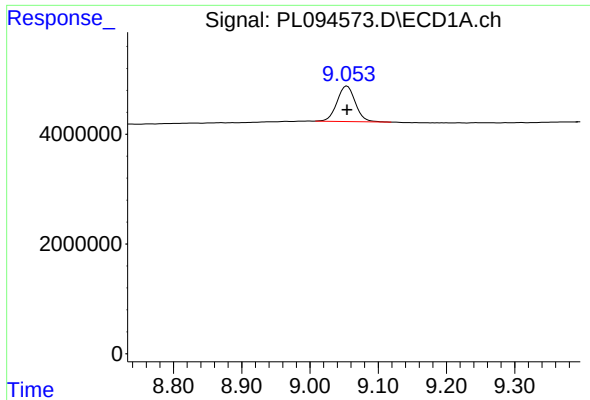
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 12387768
Conc: 6.00 ng/ml



#22 Mirex

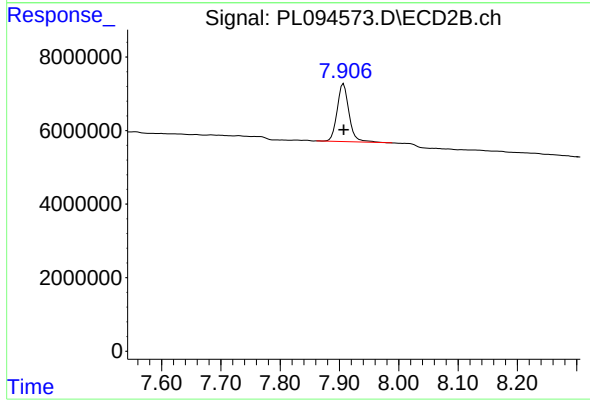
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 20631086
Conc: 5.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 12102935
Conc: 5.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 21893845
Conc: 5.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095072.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:41
 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 08 02:22:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	64867885	84813995	22.916	23.762
28) SA Decachlor...	9.051	7.900	53677327	93484042	25.470	23.143
Target Compounds						
2) A alpha-BHC	3.991	3.270	49537258	61933747	11.930	11.488
3) MA gamma-BHC...	4.323	3.599	48221469	58925750	12.085	11.465
6) B beta-BHC	4.523	3.900	22364009	28222576	12.120	12.705
14) MA Endrin	6.571	5.628	134.6E6	225.4E6	48.570	51.661
16) A 4,4'-DDD	6.707	5.776	14905066	19870780	6.881	5.526
17) MA 4,4'-DDT	7.021	6.026	253.2E6	461.0E6	106.470	114.329
18) B Endrin al...	6.920	6.102	6588262	9861472	3.121	2.930
20) A Methoxychlor	7.498	6.601	306.4E6	566.6E6	255.947	267.114
21) B Endrin ke...	7.641	6.830	13872346	26220477	5.248	5.494

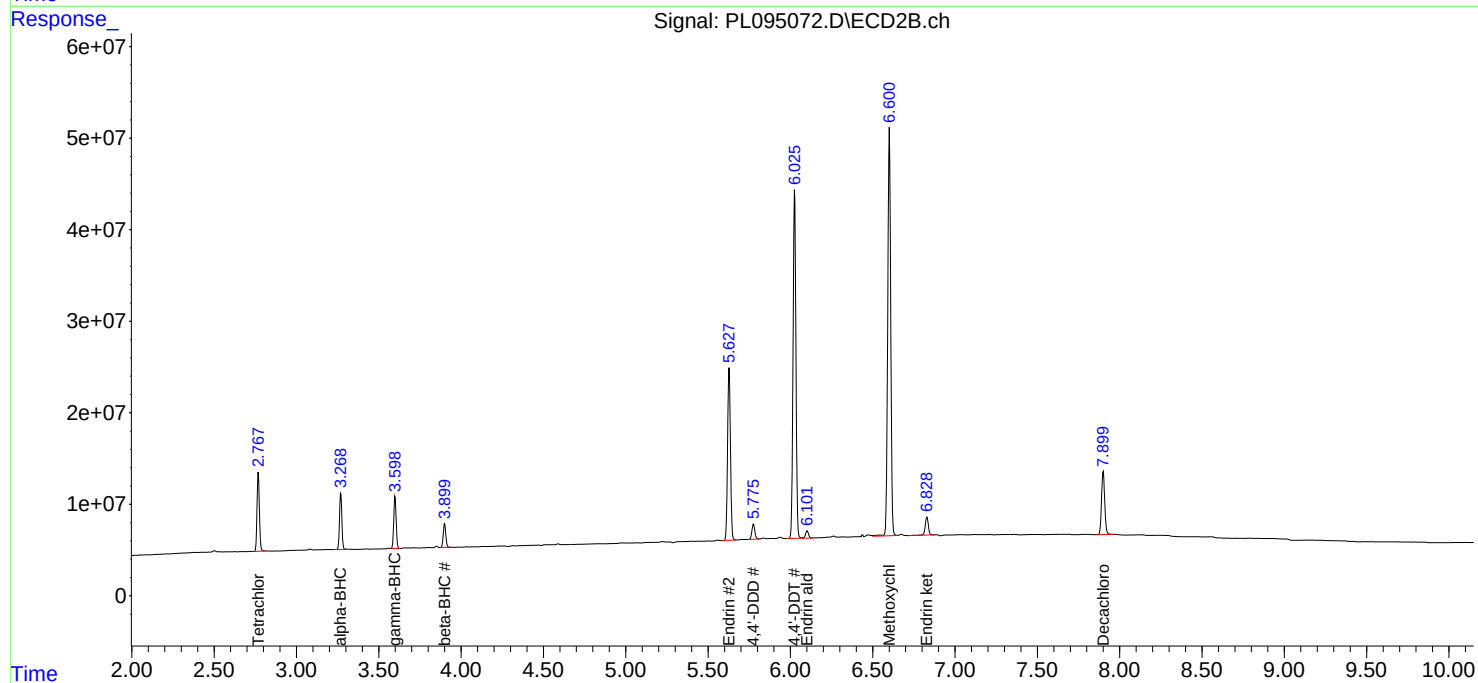
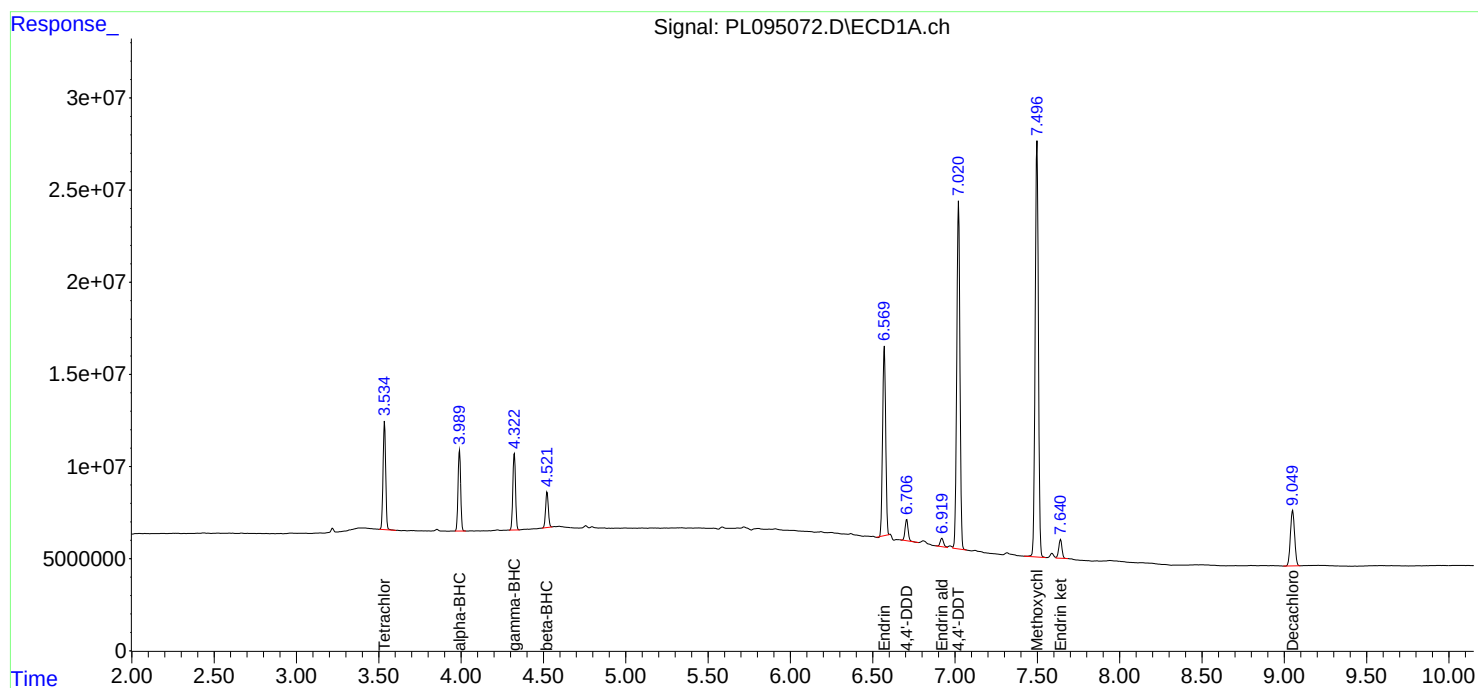
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

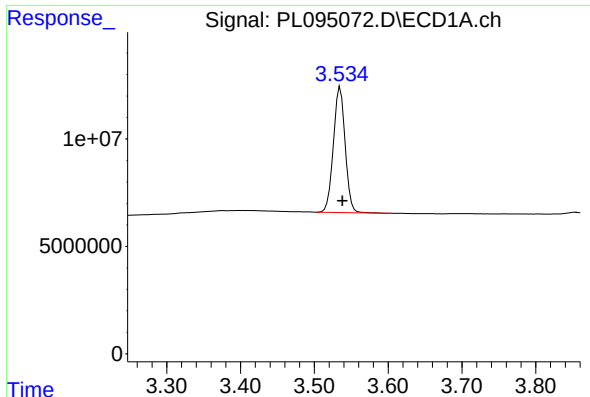
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

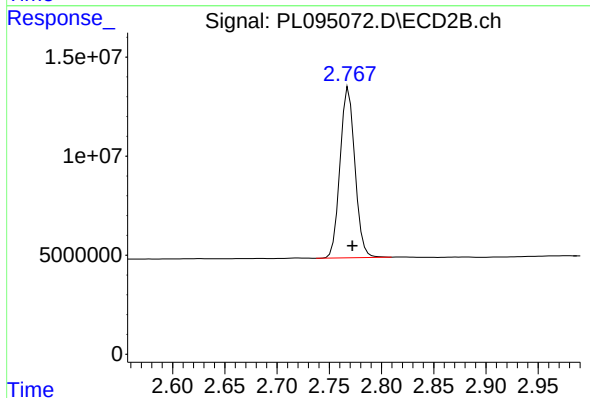




#1 Tetrachloro-m-xylene

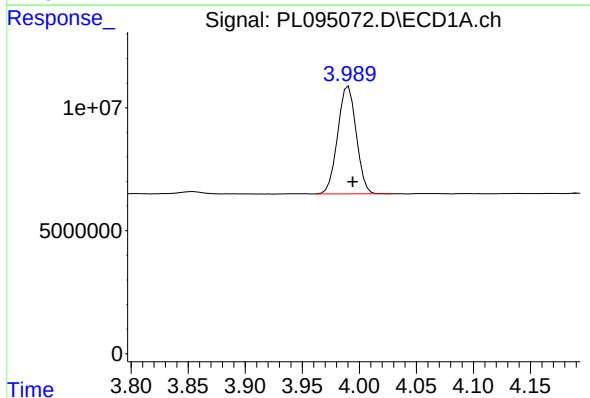
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 64867885
Conc: 22.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



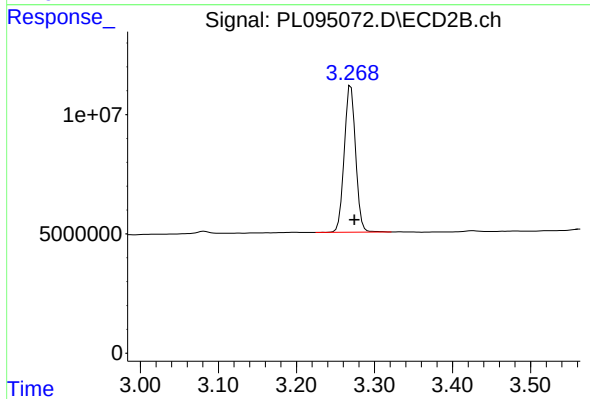
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 84813995
Conc: 23.76 ng/ml



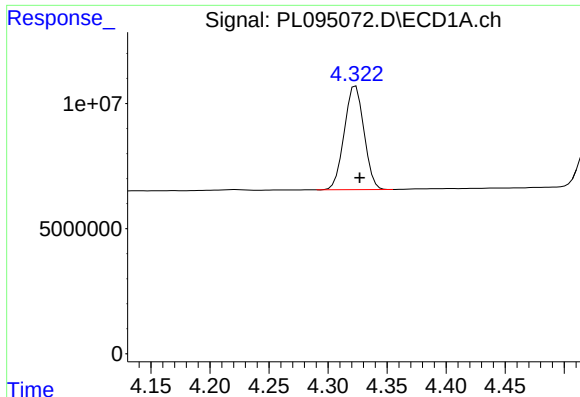
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.004 min
Response: 49537258
Conc: 11.93 ng/ml



#2 alpha-BHC

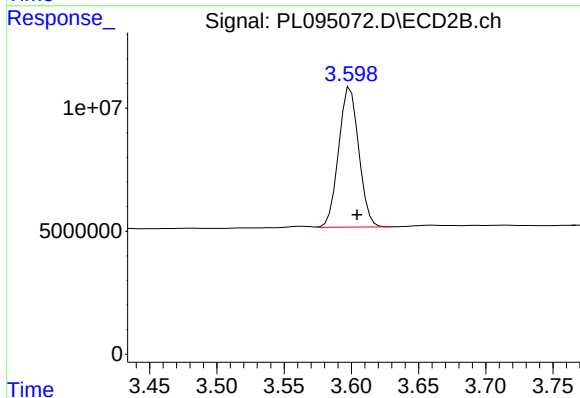
R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 61933747
Conc: 11.49 ng/ml



#3 gamma-BHC (Lindane)

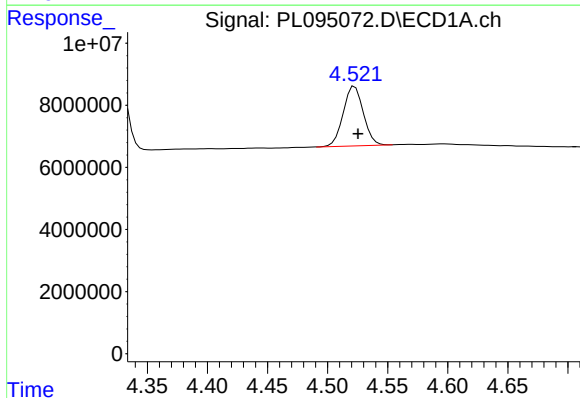
R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 48221469
Conc: 12.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



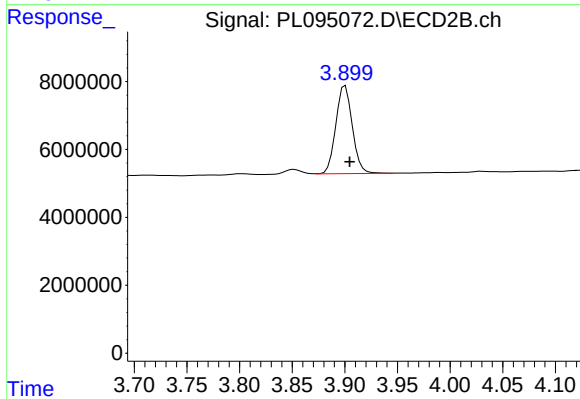
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 58925750
Conc: 11.47 ng/ml



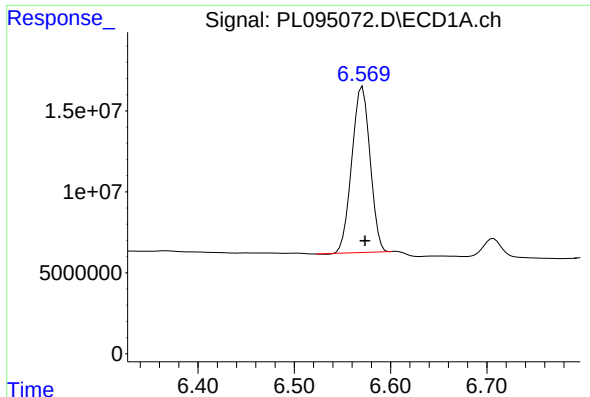
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 22364009
Conc: 12.12 ng/ml



#6 beta-BHC

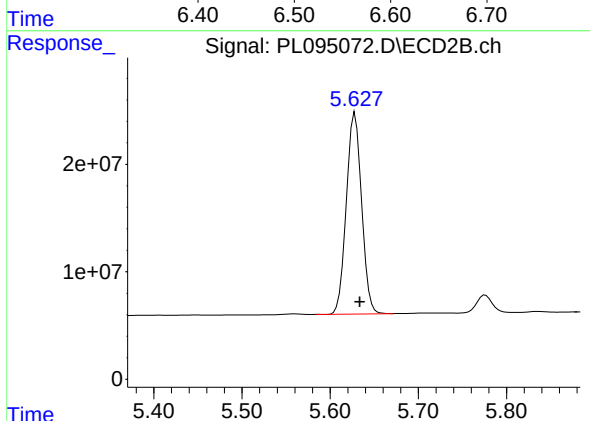
R.T.: 3.900 min
Delta R.T.: -0.004 min
Response: 28222576
Conc: 12.71 ng/ml



#14 Endrin

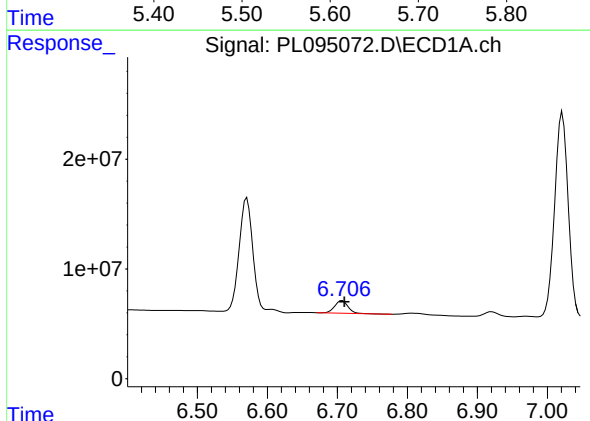
R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 134639956
Conc: 48.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



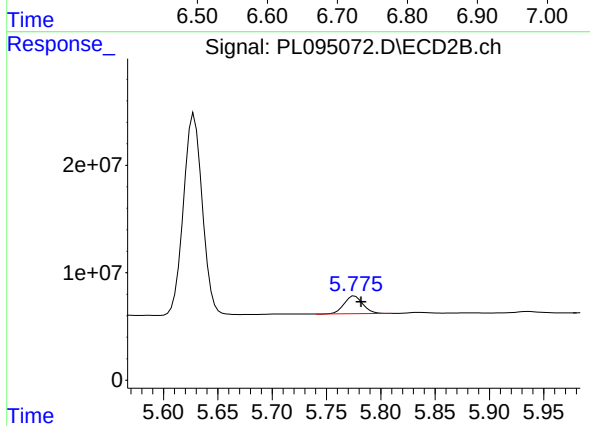
#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 225431243
Conc: 51.66 ng/ml



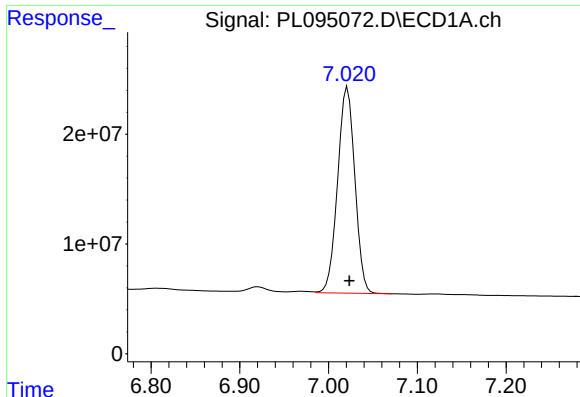
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 14905066
Conc: 6.88 ng/ml



#16 4,4'-DDD

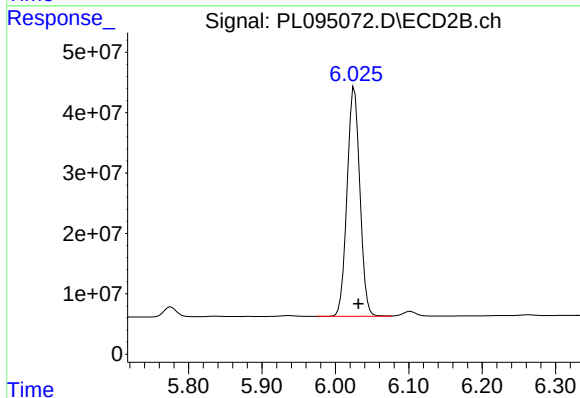
R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 19870780
Conc: 5.53 ng/ml



#17 4,4'-DDT

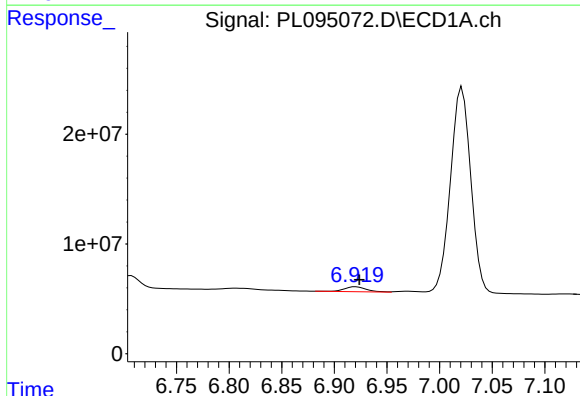
R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 253242787
Conc: 106.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



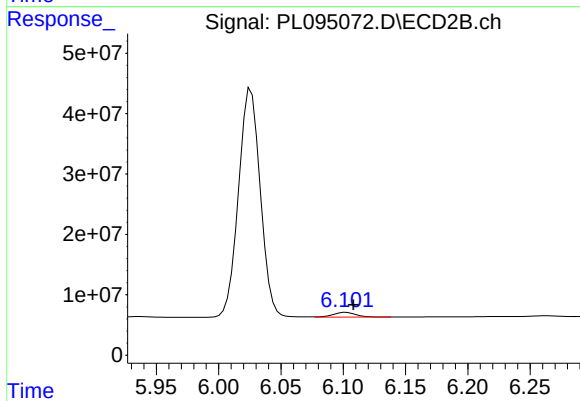
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 460988300
Conc: 114.33 ng/ml



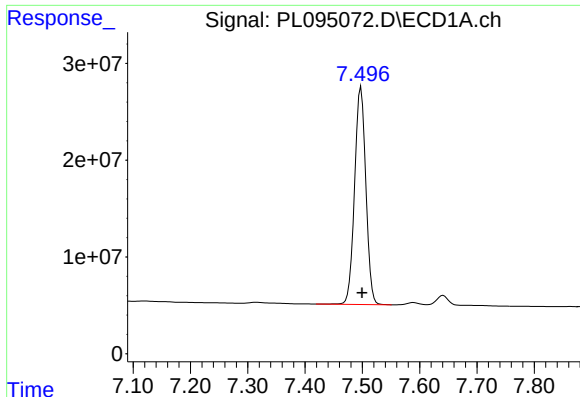
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 6588262
Conc: 3.12 ng/ml



#18 Endrin aldehyde

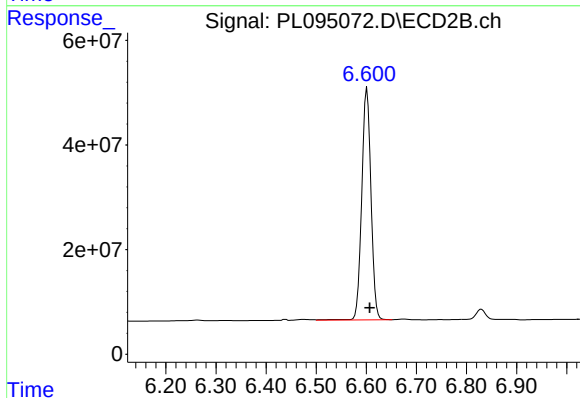
R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 9861472
Conc: 2.93 ng/ml



#20 Methoxychlor

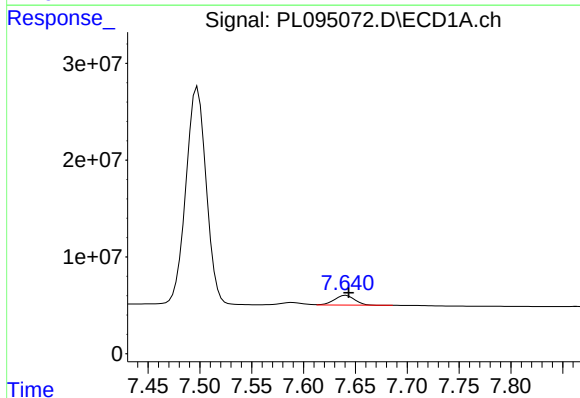
R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 306387328
Conc: 255.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



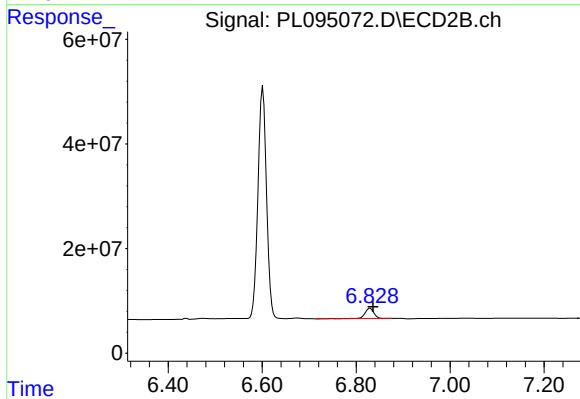
#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.005 min
Response: 566567038
Conc: 267.11 ng/ml



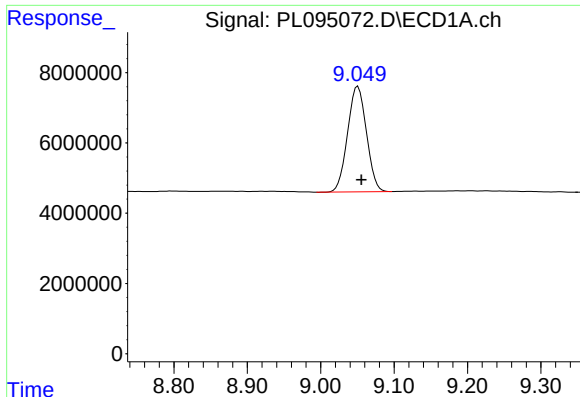
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 13872346
Conc: 5.25 ng/ml



#21 Endrin ketone

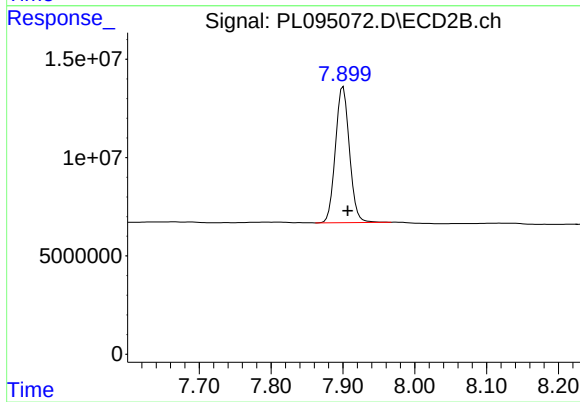
R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 26220477
Conc: 5.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 53677327
Conc: 25.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 93484042
Conc: 23.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095073.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 19:55
 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 08 02:22:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	142.5E6	194.7E6	50.343	54.548
28)	SA Decachlor...	9.051	7.900	112.2E6	206.3E6	53.246	51.066
Target Compounds							
2)	A alpha-BHC	3.991	3.270	209.4E6	297.6E6	50.419	55.194
3)	MA gamma-BHC...	4.324	3.600	202.2E6	280.3E6	50.669	54.541
4)	MA Heptachlor	4.911	3.937	188.4E6	272.2E6	48.546	51.658
5)	MB Aldrin	5.253	4.216	183.6E6	260.1E6	49.722	53.348
6)	B beta-BHC	4.523	3.900	92530508	122.1E6	50.146	54.950
7)	B delta-BHC	4.770	4.128	202.6E6	279.8E6	52.014	55.934
8)	B Heptachlo...	5.680	4.719	168.8E6	242.3E6	50.474	52.919
9)	A Endosulfan I	6.065	5.088	159.8E6	232.0E6	52.043	52.852
10)	B gamma-Chl...	5.936	4.968	173.3E6	256.5E6	51.444	53.131
11)	B alpha-Chl...	6.015	5.032	171.0E6	251.9E6	51.874	52.778
12)	B 4,4'-DDE	6.189	5.221	168.6E6	256.6E6	57.292	55.197
13)	MA Dieldrin	6.340	5.352	170.0E6	257.6E6	53.169	53.091
14)	MA Endrin	6.571	5.628	129.2E6	216.3E6	46.605	49.566
15)	B Endosulfa...	6.791	5.923	143.7E6	230.2E6	52.946	53.178
16)	A 4,4'-DDD	6.707	5.776	133.5E6	215.3E6	61.640	59.871
17)	MA 4,4'-DDT	7.020	6.025	124.8E6	208.6E6	52.459	51.745
18)	B Endrin al...	6.922	6.102	109.5E6	172.9E6	51.890	51.385
19)	B Endosulfa...	7.156	6.325	125.9E6	219.4E6	51.772	53.867
20)	A Methoxychlor	7.497	6.601	63441009	110.9E6	52.997	52.274
21)	B Endrin ke...	7.641	6.831	143.1E6	283.9E6	54.138	59.478
22)	Mirex	8.114	7.010	102.0E6	195.3E6	49.361	51.471
24)	Chlordane-2	5.253f	0.000	183.6E6	0	1213.335	N.D. #
25)	Chlordane-3	5.936	4.968	173.3E6	256.5E6	346.792	482.218 #
26)	Chlordane-4	6.015	5.032	171.0E6	251.9E6	290.309	483.896 #
27)	Chlordane-5	0.000	5.923	0	230.2E6	N.D.	1199.809 #

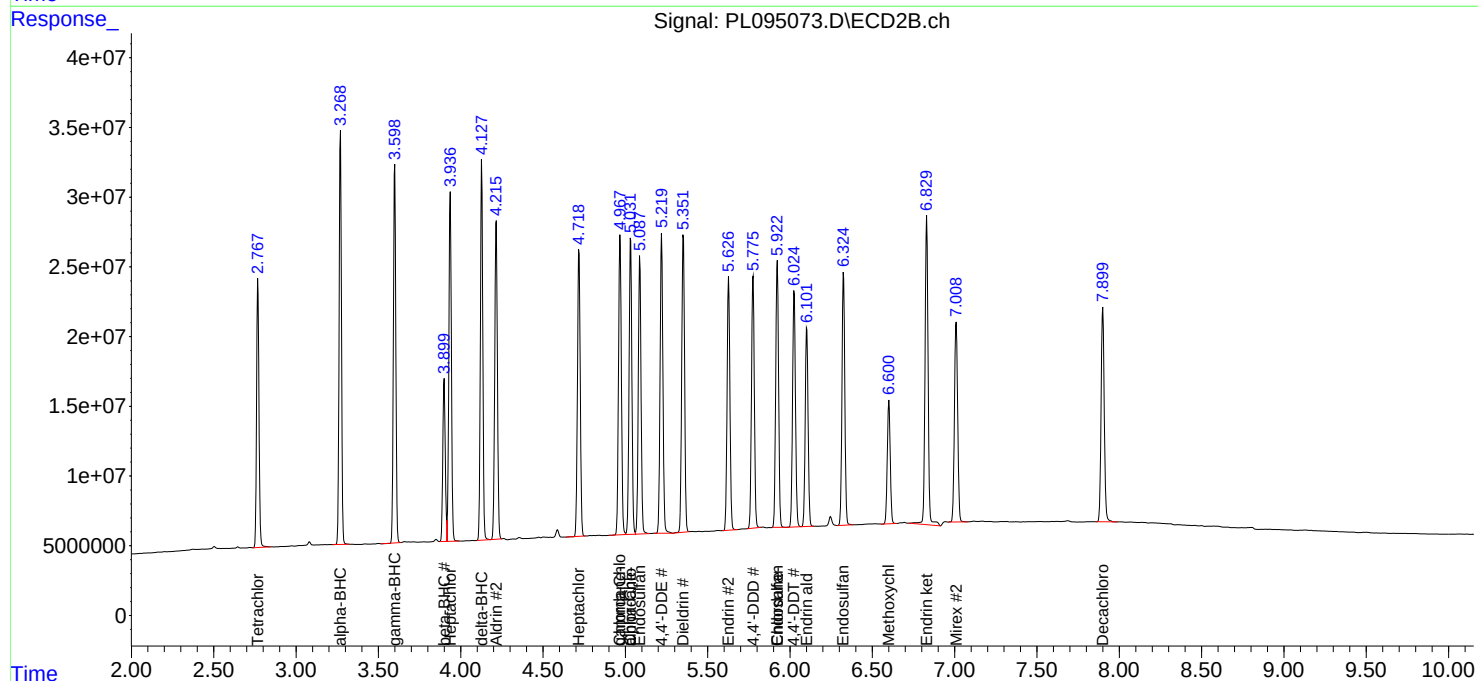
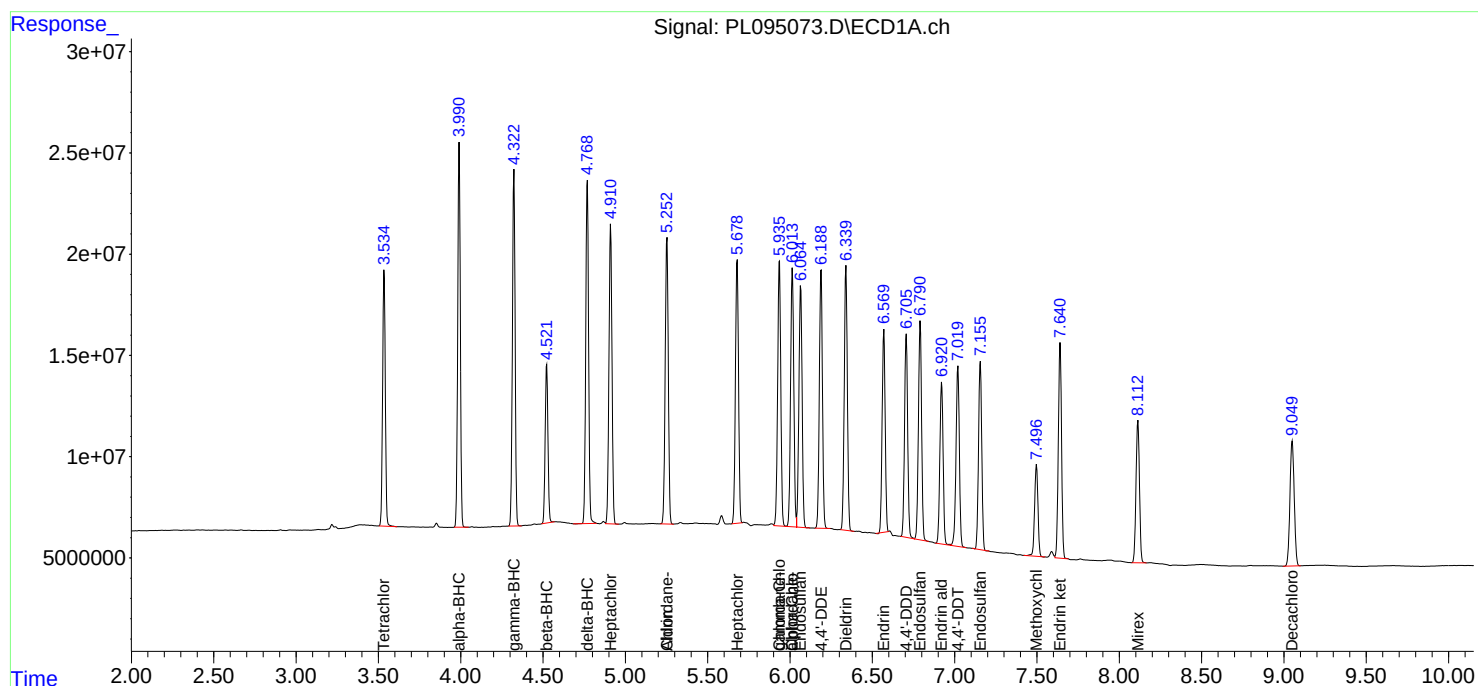
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

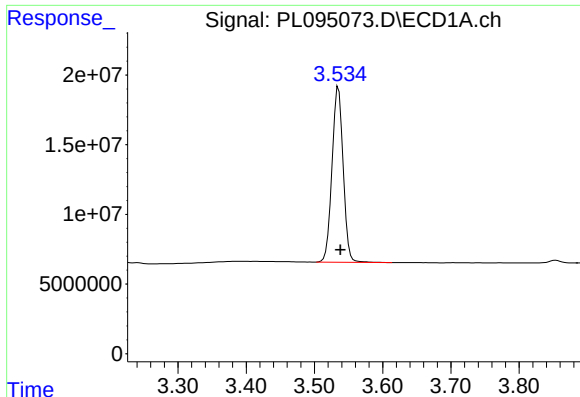
```
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\  
Data File : PL095073.D  
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch  
Acq On    : 07 Apr 2025  19:55  
Operator  : AR\AJ  
Sample    : PSTDCCC050  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
```

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

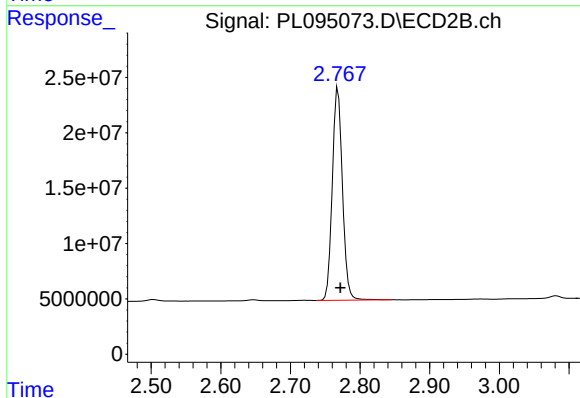




#1 Tetrachloro-m-xylene

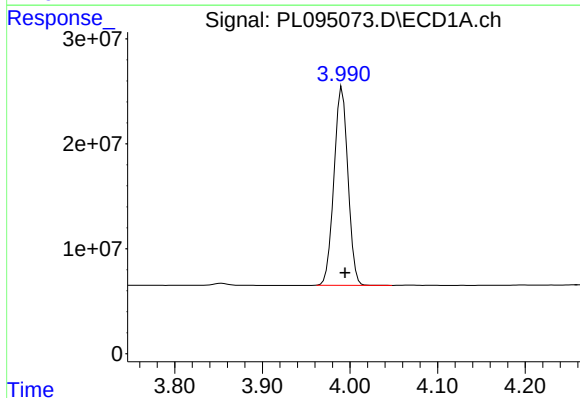
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 142505495
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



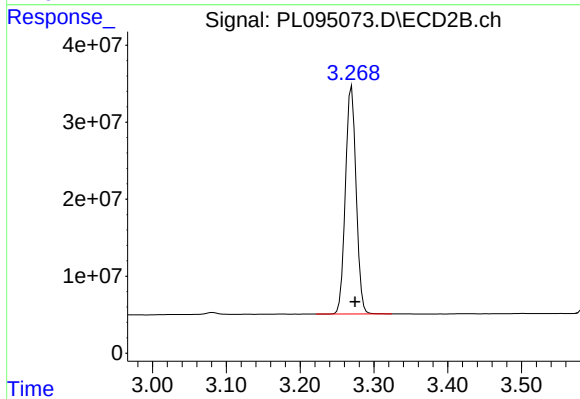
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 194695512
Conc: 54.55 ng/ml



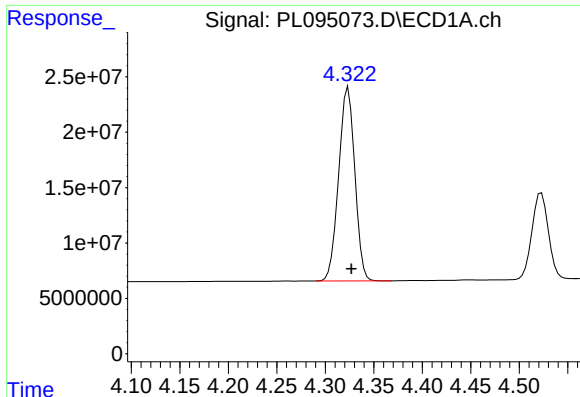
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 209356384
Conc: 50.42 ng/ml



#2 alpha-BHC

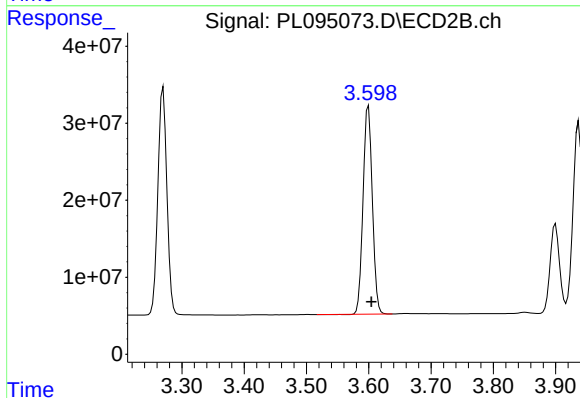
R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 297572685
Conc: 55.19 ng/ml



#3 gamma-BHC (Lindane)

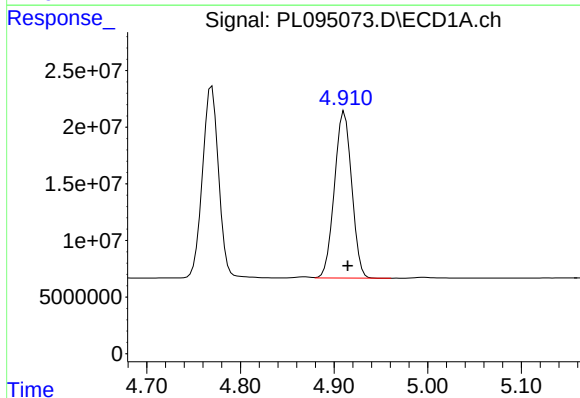
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 202182264
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



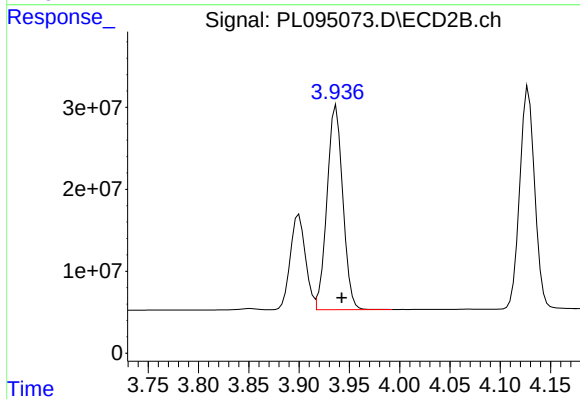
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 280308329
Conc: 54.54 ng/ml



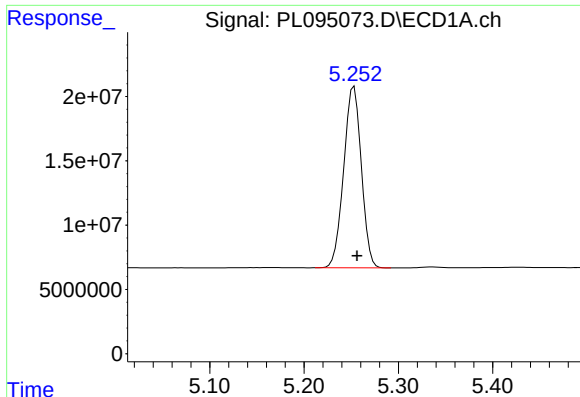
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 188436730
Conc: 48.55 ng/ml



#4 Heptachlor

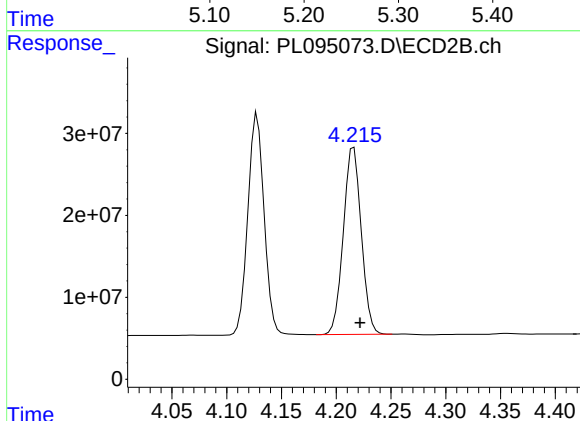
R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 272169589
Conc: 51.66 ng/ml



#5 Aldrin

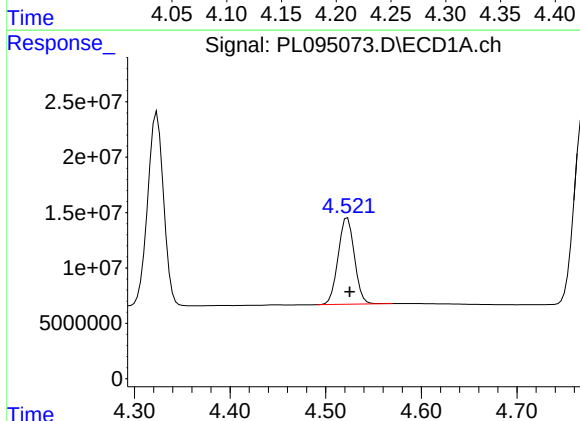
R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 183583886
Conc: 49.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



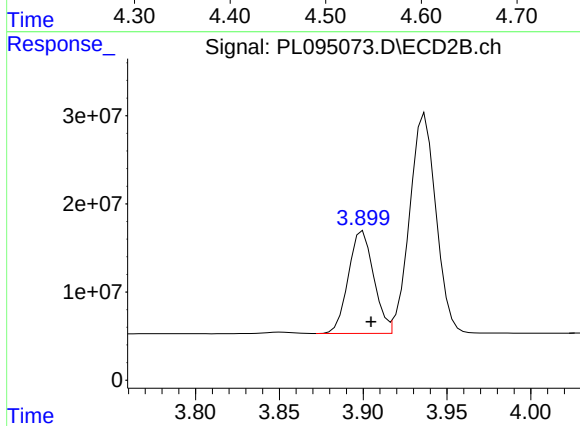
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 260142165
Conc: 53.35 ng/ml



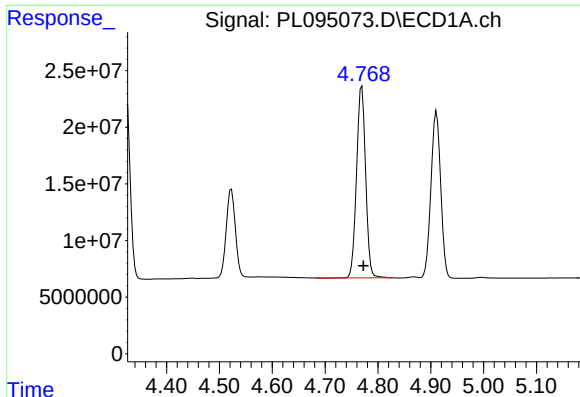
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 92530508
Conc: 50.15 ng/ml



#6 beta-BHC

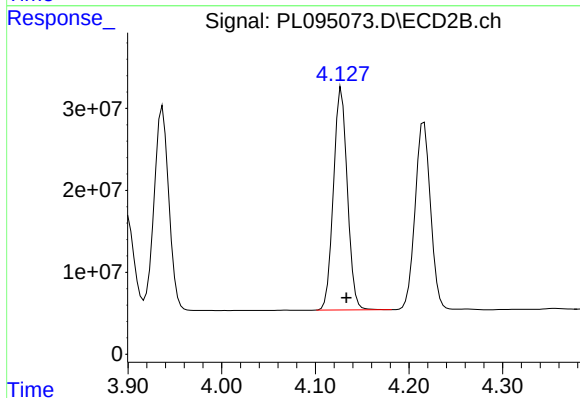
R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 122060787
Conc: 54.95 ng/ml



#7 delta-BHC

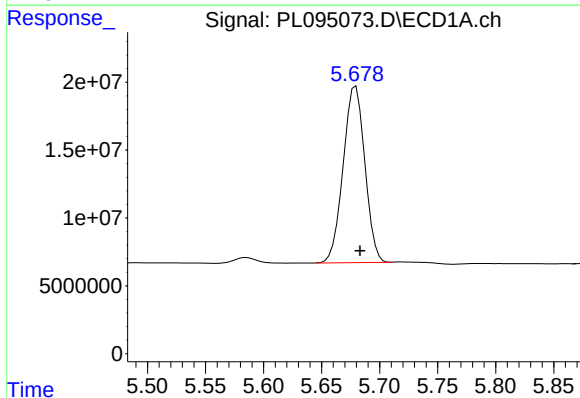
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 202558316
Conc: 52.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



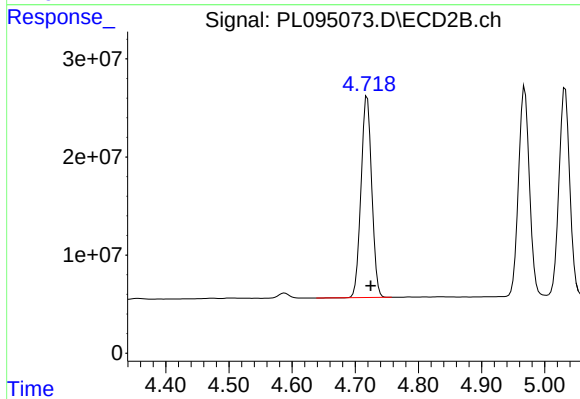
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 279782143
Conc: 55.93 ng/ml



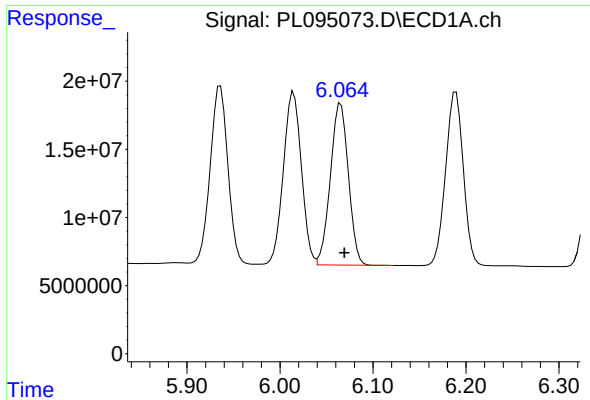
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.004 min
Response: 168844648
Conc: 50.47 ng/ml



#8 Heptachlor epoxide

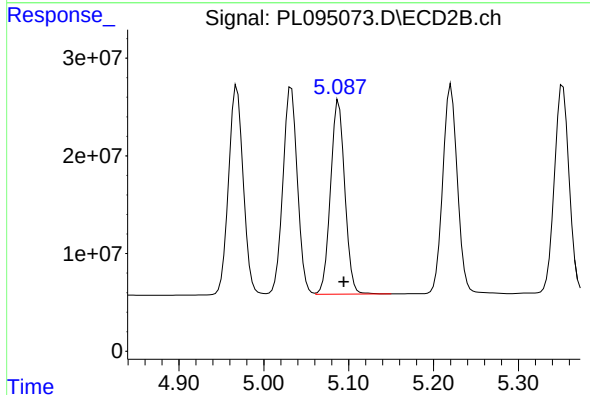
R.T.: 4.719 min
Delta R.T.: -0.006 min
Response: 242295022
Conc: 52.92 ng/ml



#9 Endosulfan I

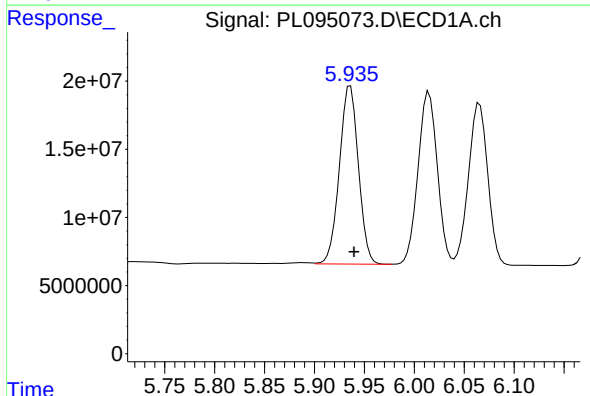
R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 159783604
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



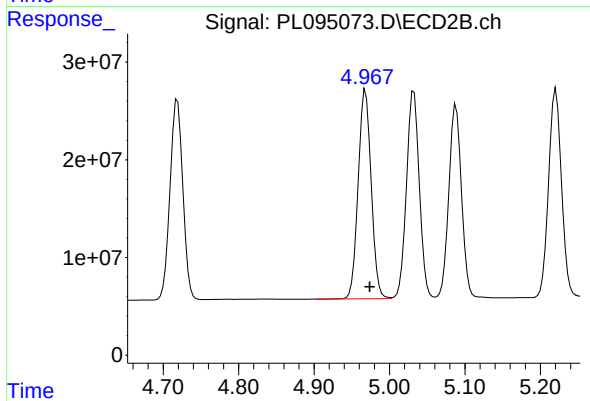
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 231953973
Conc: 52.85 ng/ml



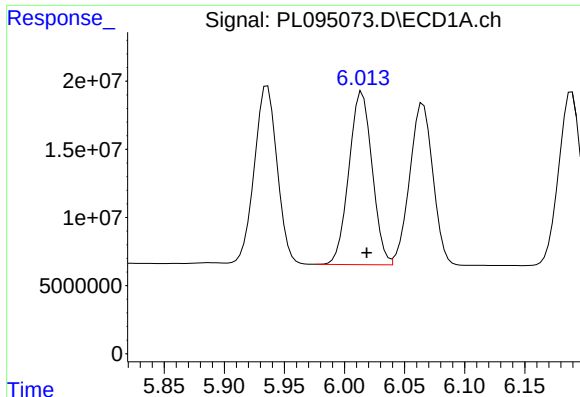
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 173333661
Conc: 51.44 ng/ml



#10 gamma-Chlordane

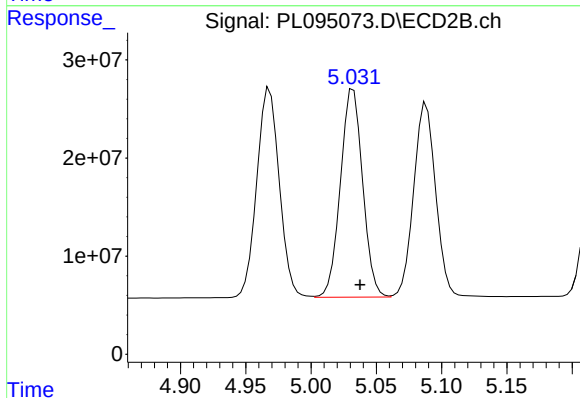
R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 256539271
Conc: 53.13 ng/ml



#11 alpha-Chlordane

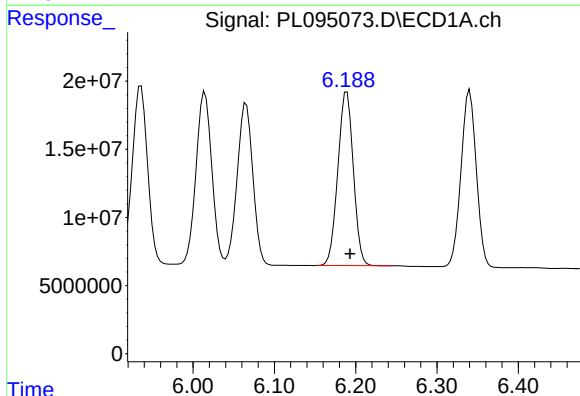
R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 171018665
Conc: 51.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



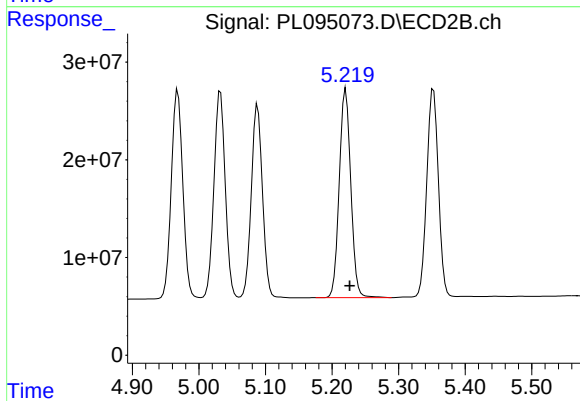
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 251896806
Conc: 52.78 ng/ml



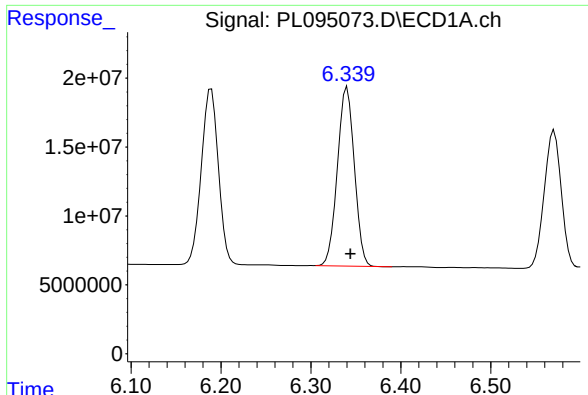
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 168555974
Conc: 57.29 ng/ml



#12 4,4'-DDE

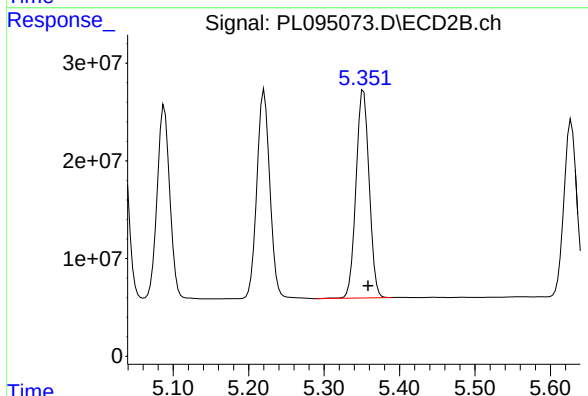
R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 256585818
Conc: 55.20 ng/ml



#13 Dieldrin

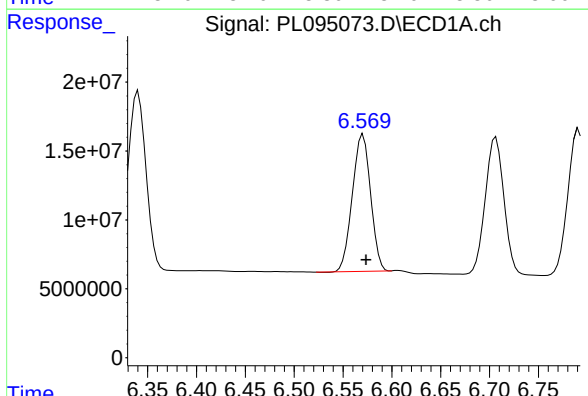
R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 170042857
Conc: 53.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



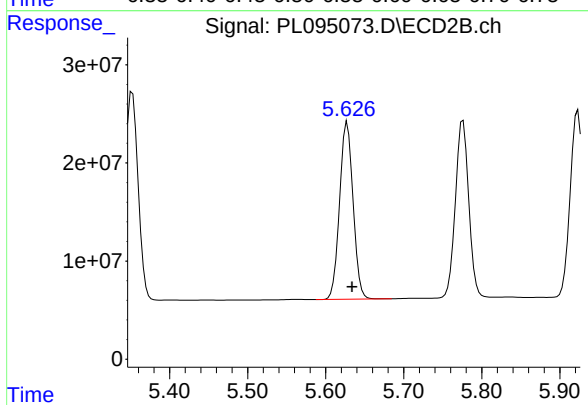
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 257589046
Conc: 53.09 ng/ml



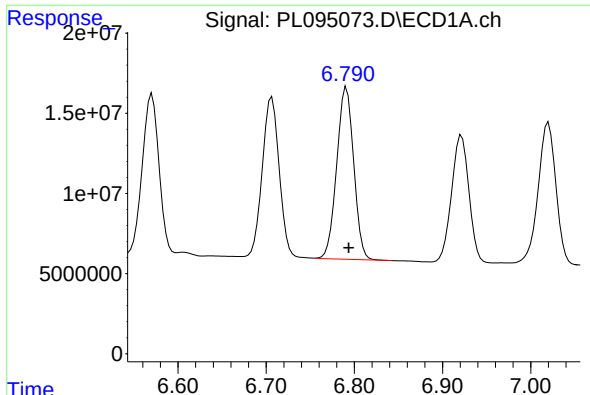
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 129191554
Conc: 46.60 ng/ml



#14 Endrin

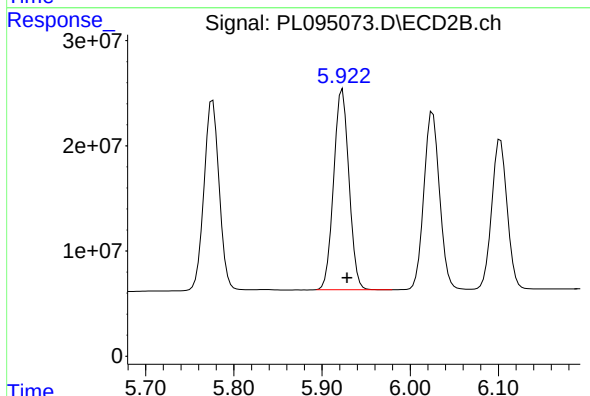
R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 216287994
Conc: 49.57 ng/ml



#15 Endosulfan II

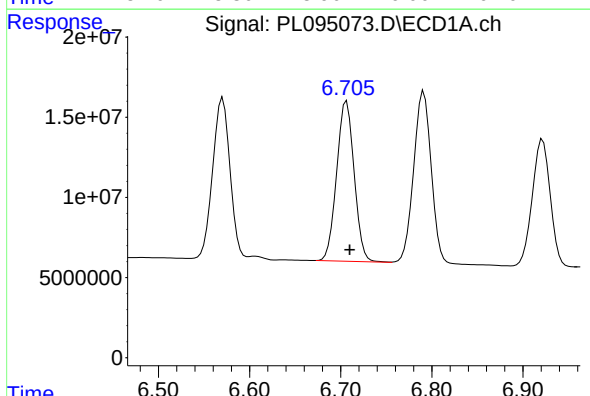
R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 143735779
Conc: 52.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



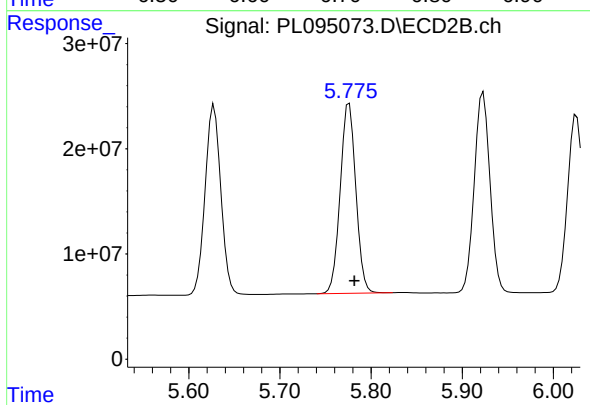
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 230166700
Conc: 53.18 ng/ml



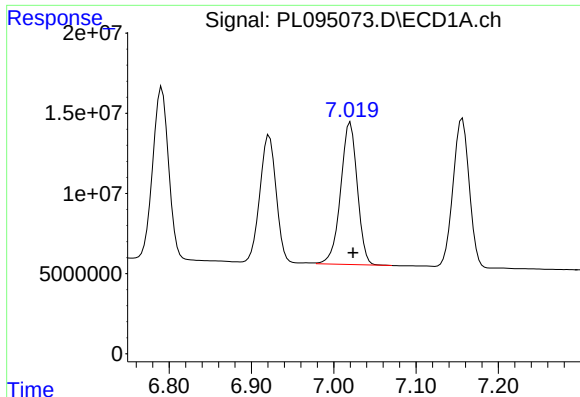
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 133516414
Conc: 61.64 ng/ml



#16 4,4'-DDD

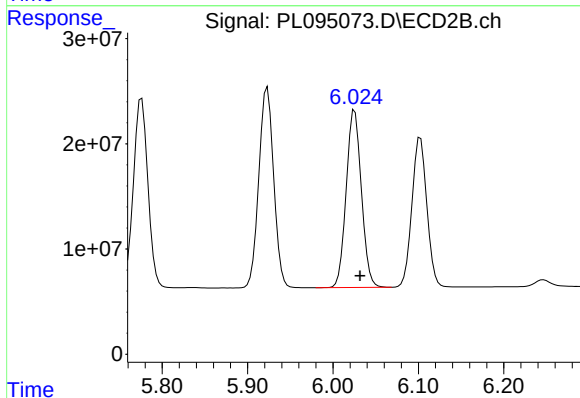
R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 215288531
Conc: 59.87 ng/ml



#17 4,4'-DDT

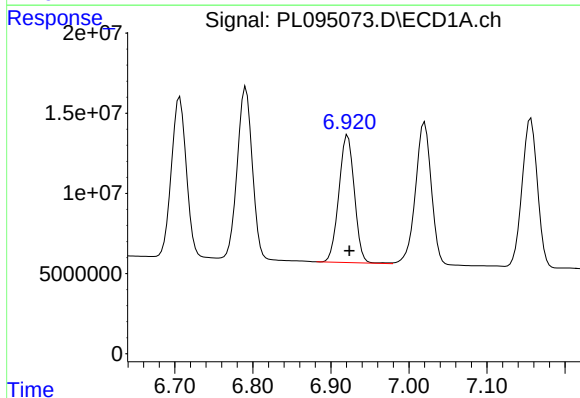
R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 124776433
Conc: 52.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



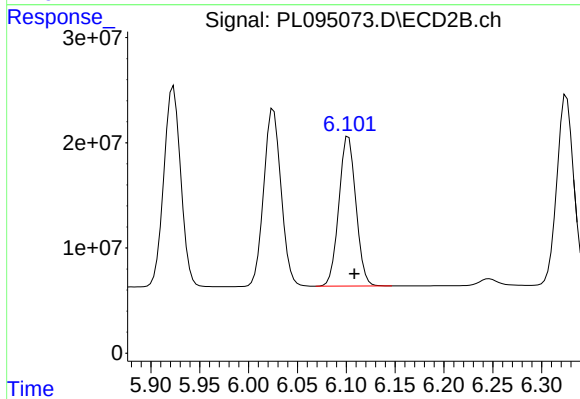
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 208639831
Conc: 51.74 ng/ml



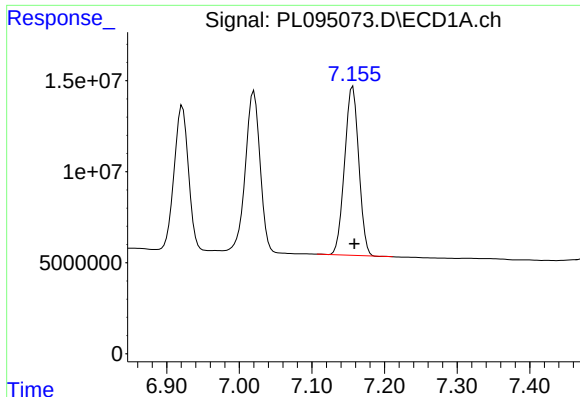
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 109540118
Conc: 51.89 ng/ml



#18 Endrin aldehyde

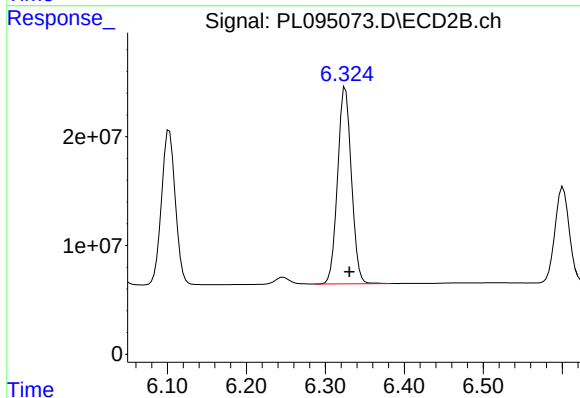
R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 172931006
Conc: 51.39 ng/ml



#19 Endosulfan Sulfate

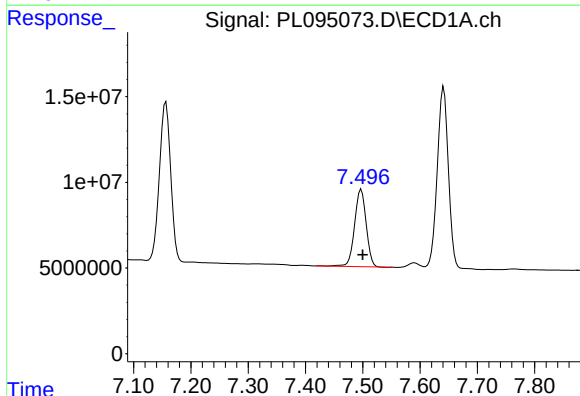
R.T.: 7.156 min
Delta R.T.: -0.002 min
Response: 125910141
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



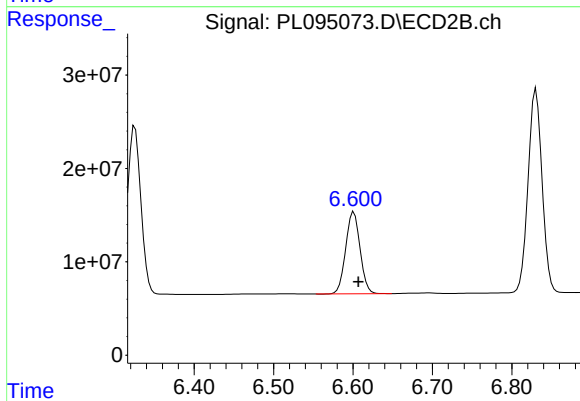
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 219425527
Conc: 53.87 ng/ml



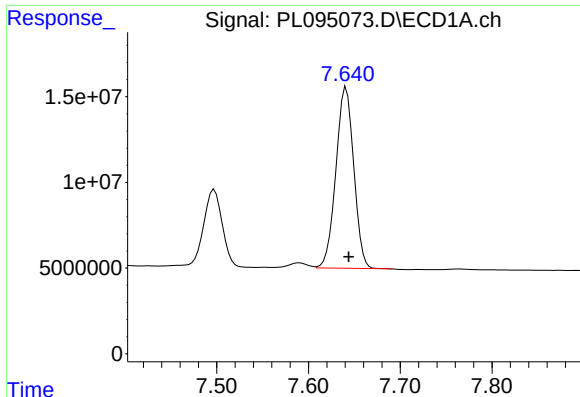
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 63441009
Conc: 53.00 ng/ml



#20 Methoxychlor

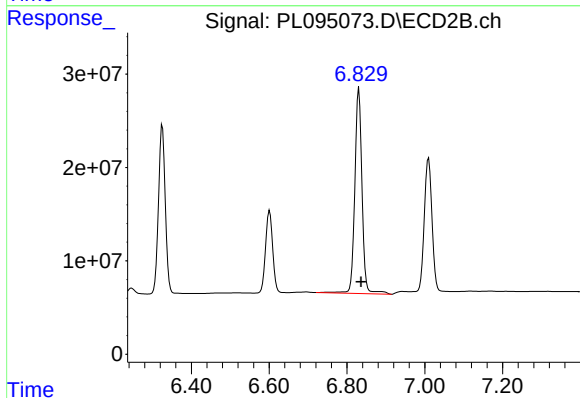
R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 110876420
Conc: 52.27 ng/ml



#21 Endrin ketone

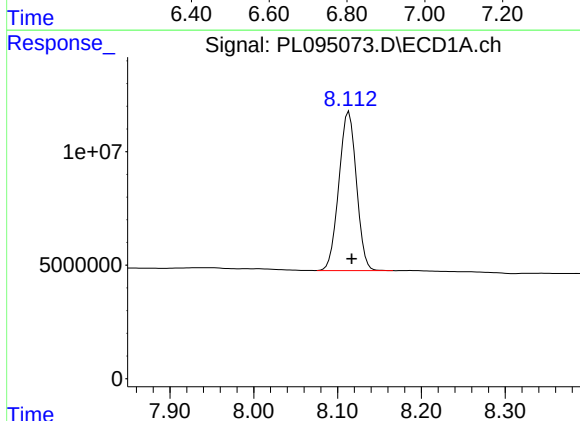
R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 143101250
Conc: 54.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



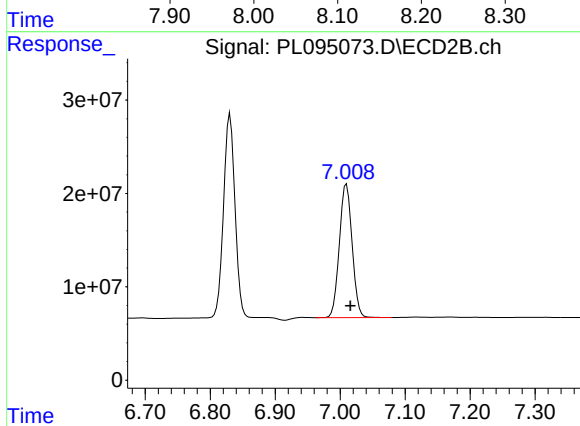
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 283862401
Conc: 59.48 ng/ml



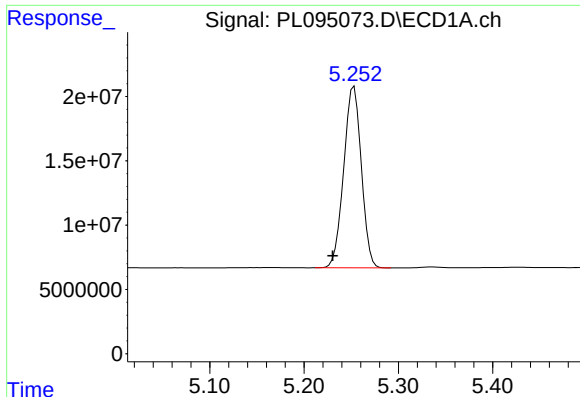
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 101993427
Conc: 49.36 ng/ml



#22 Mirex

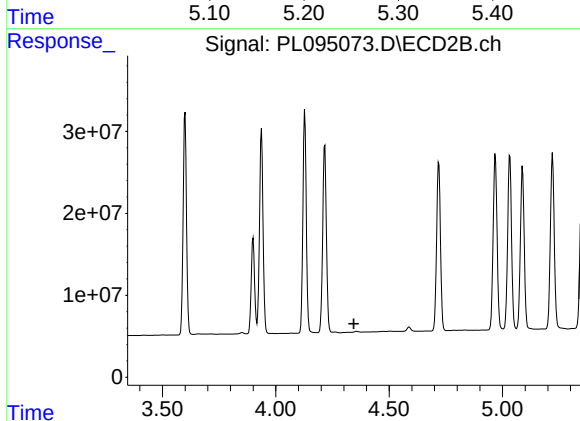
R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 195349245
Conc: 51.47 ng/ml



#24 Chlordane-2

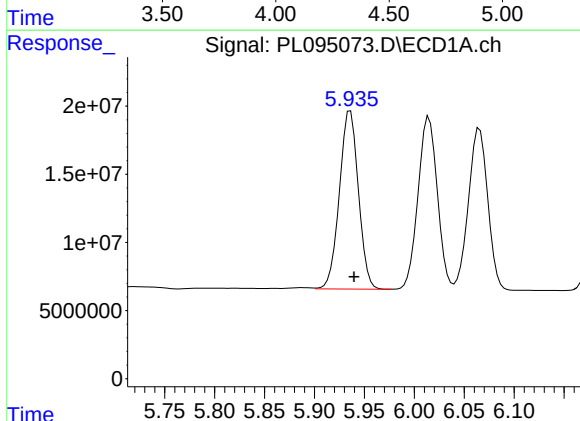
R.T.: 5.253 min
Delta R.T.: 0.023 min
Response: 183583886
Conc: 1213.34 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



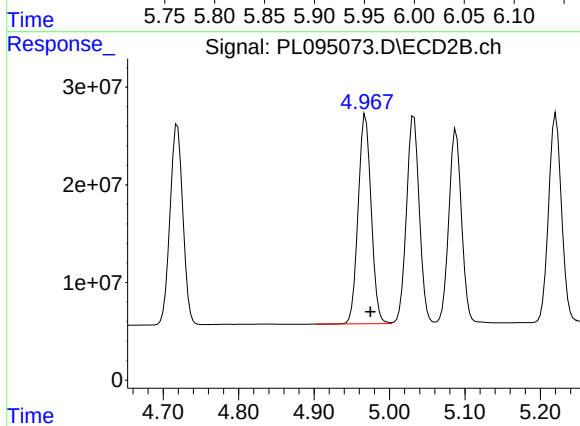
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



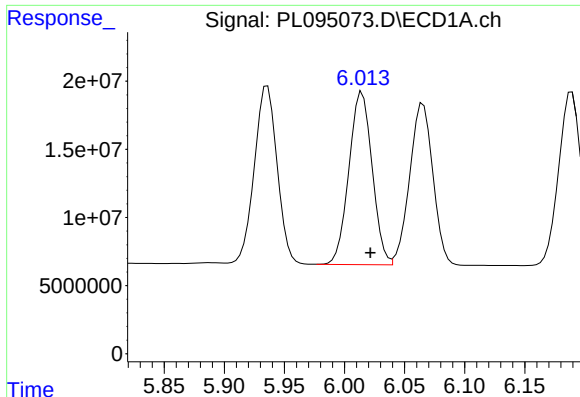
#25 Chlordane-3

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 173333661
Conc: 346.79 ng/ml



#25 Chlordane-3

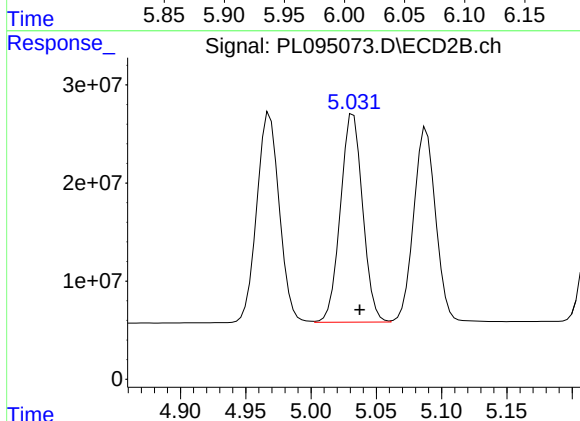
R.T.: 4.968 min
Delta R.T.: -0.007 min
Response: 256539271
Conc: 482.22 ng/ml



#26 Chlordane-4

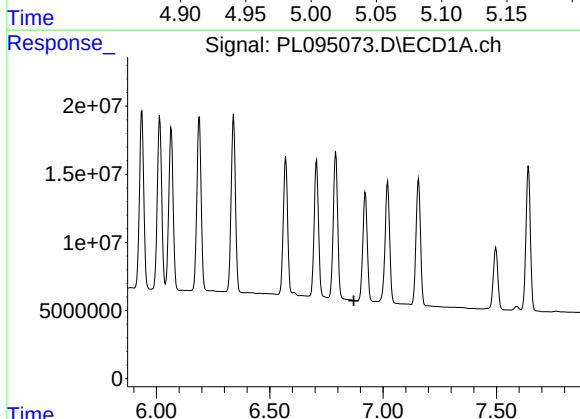
R.T.: 6.015 min
Delta R.T.: -0.007 min
Response: 171018665
Conc: 290.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



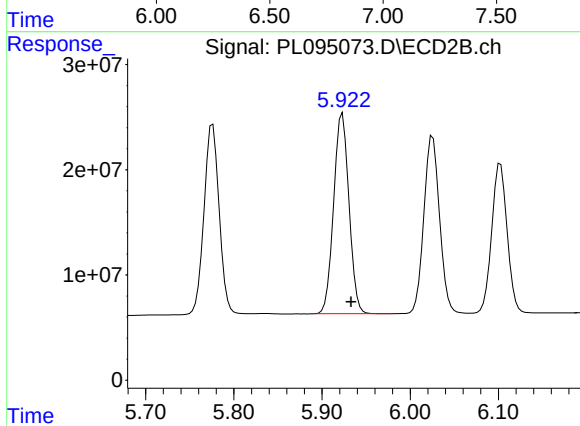
#26 Chlordane-4

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 251896806
Conc: 483.90 ng/ml



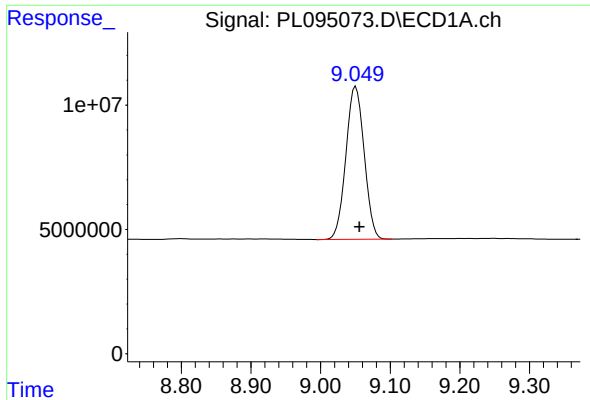
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

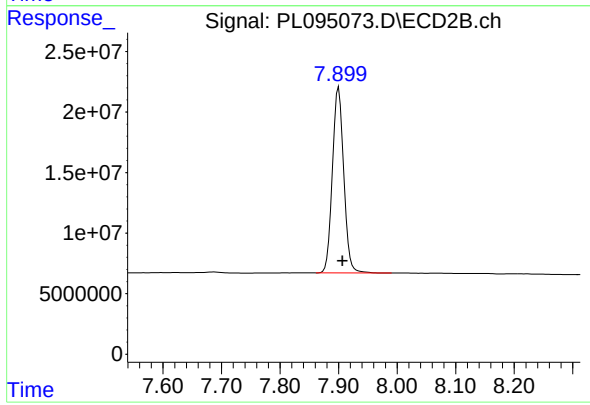
R.T.: 5.923 min
Delta R.T.: -0.010 min
Response: 230166700
Conc: 1199.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 112214366
Conc: 53.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 206272441
Conc: 51.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 20:36
Operator : AR\AJ
Sample : Q1730-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	108.4E6	81901035	38.304	22.946 #
28) SA Decachlor...	9.051	7.900	49994791	85244309	23.723	21.103
Target Compounds						
7) B delta-BHC	4.759	0.000	4184067	0	1.074	N.D. #

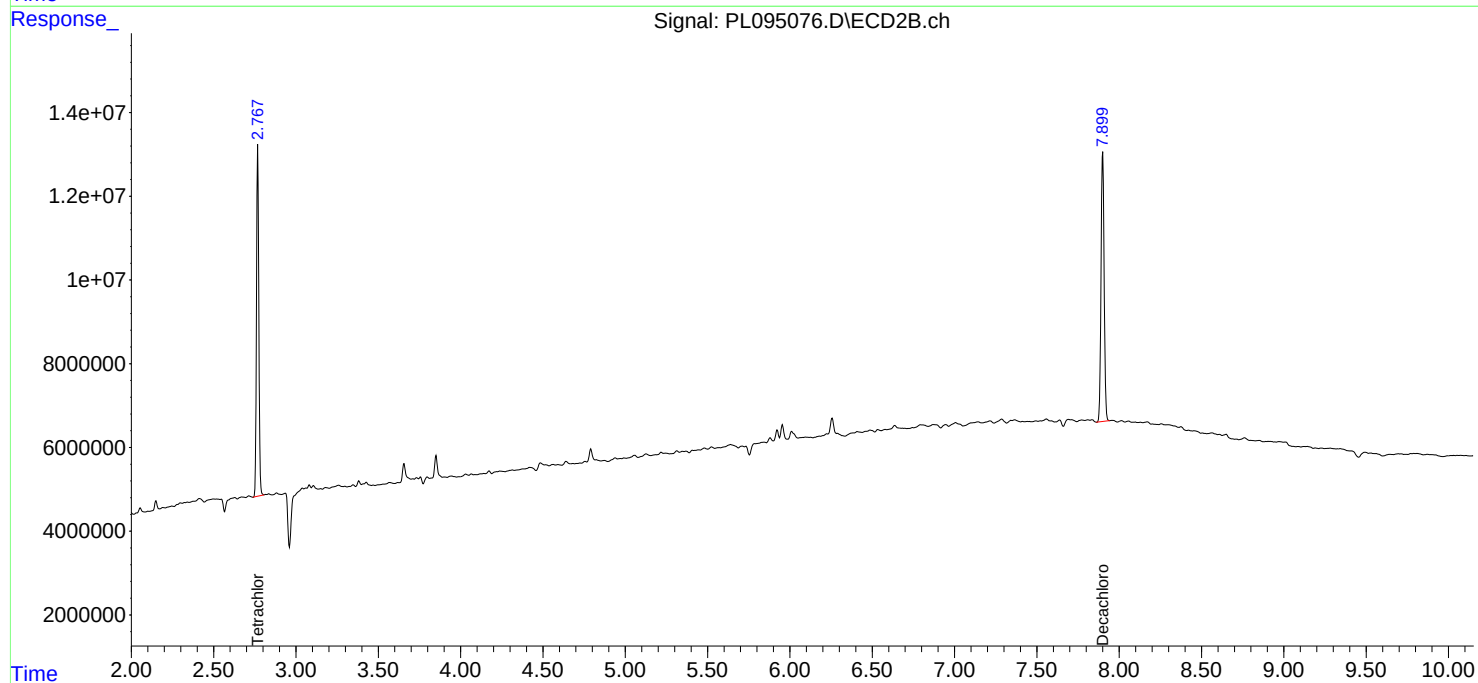
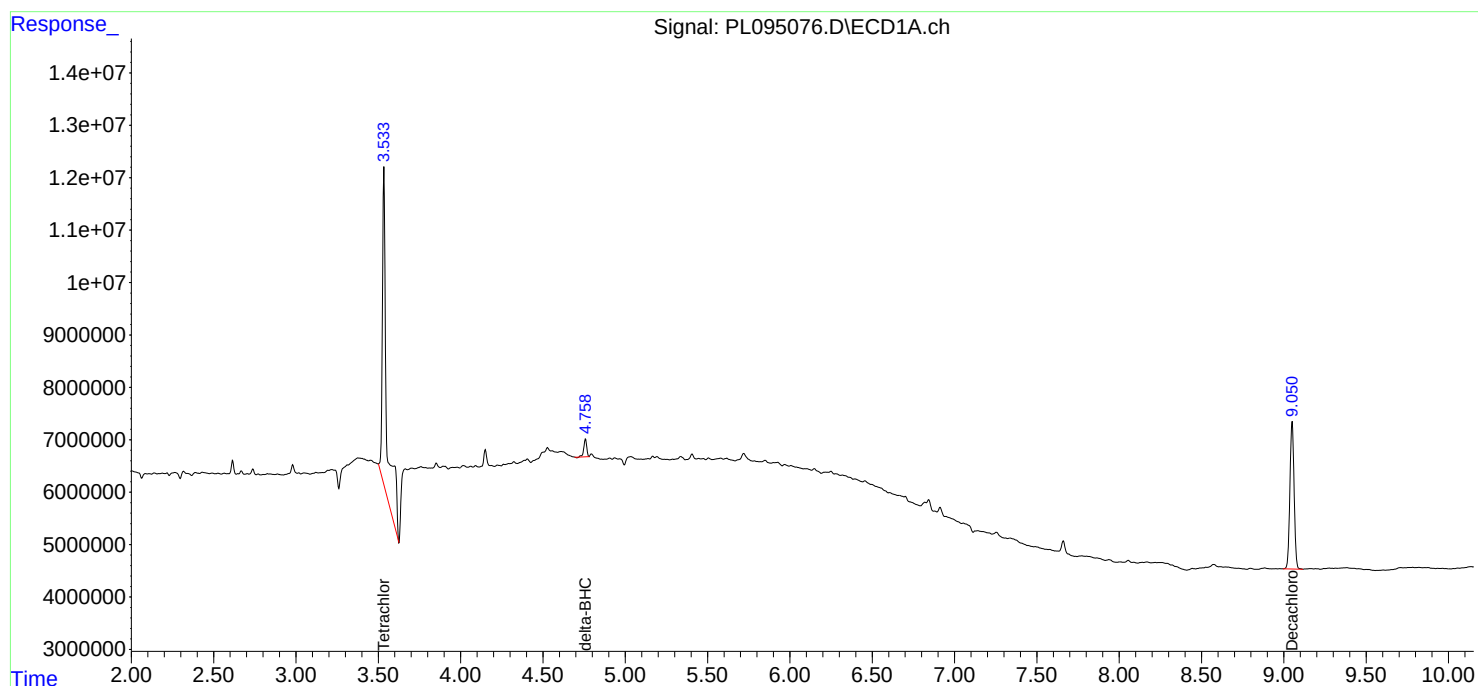
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

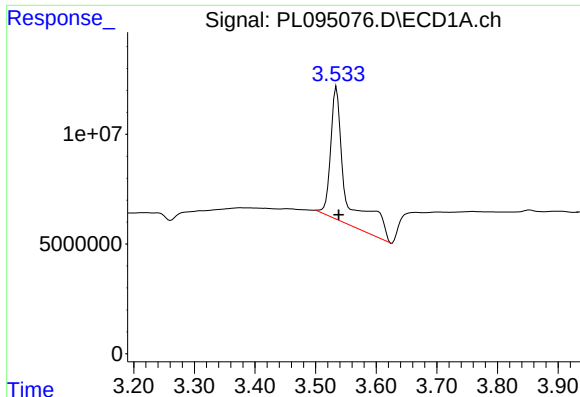
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 20:36
Operator : AR\AJ
Sample : Q1730-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

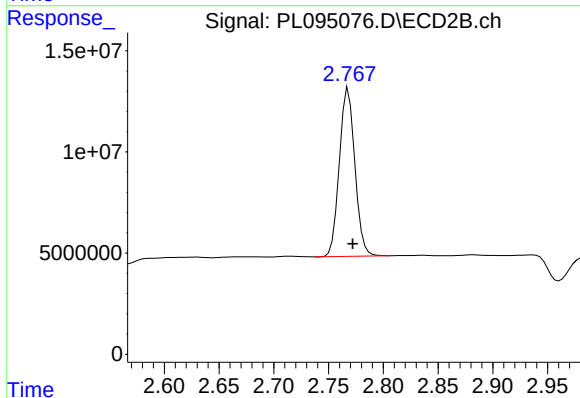




#1 Tetrachloro-m-xylene

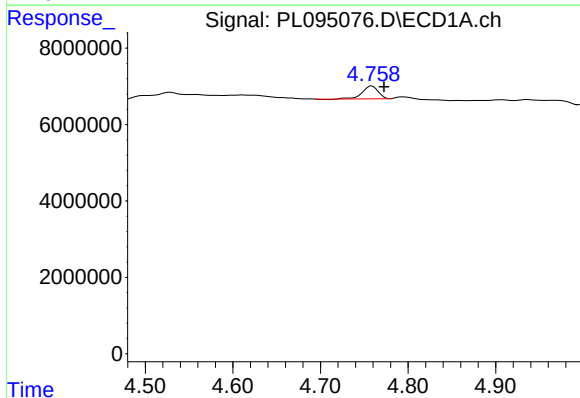
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 108426054
Conc: 38.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325



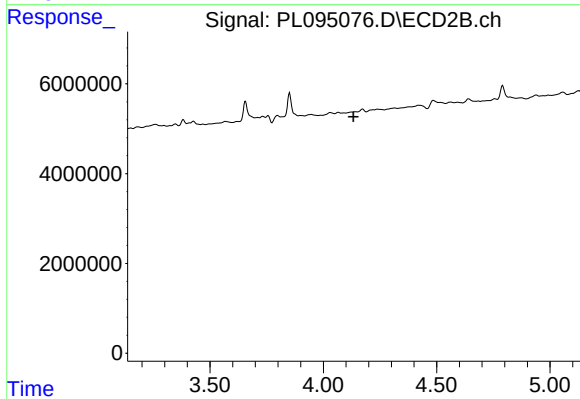
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 81901035
Conc: 22.95 ng/ml



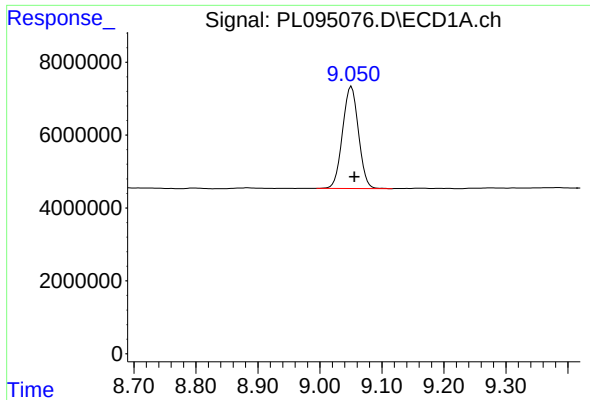
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.014 min
Response: 4184067
Conc: 1.07 ng/ml



#7 delta-BHC

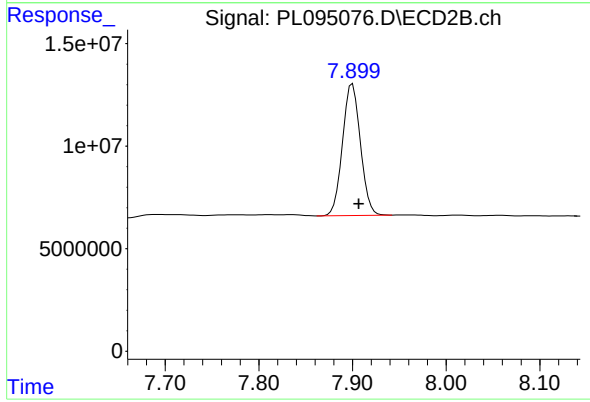
R.T.: 0.000 min
Exp R.T.: 4.133 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 49994791
Conc: 23.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-22-040325



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 85244309
Conc: 21.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095077.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 20:50
 Operator : AR\AJ
 Sample : Q1730-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-23-040325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:22:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.788	107.0E6	80124386	37.794	22.448 #
28)	SA Decachlor...	9.051	7.920	48033781	81535193	22.792	20.185
Target Compounds							
2)	A alpha-BHC	0.000	3.280	0	51385758	N.D.	9.531 #
4)	MA Heptachlor	0.000	3.925f	0	2787974	N.D.	0.529 #
6)	B beta-BHC	0.000	3.925f	0	2787974	N.D.	1.255 #
7)	B delta-BHC	4.758	0.000	4101613	0	1.053	N.D. #
22)	Mirex	0.000	7.027	0	33493765	N.D.	8.825 #

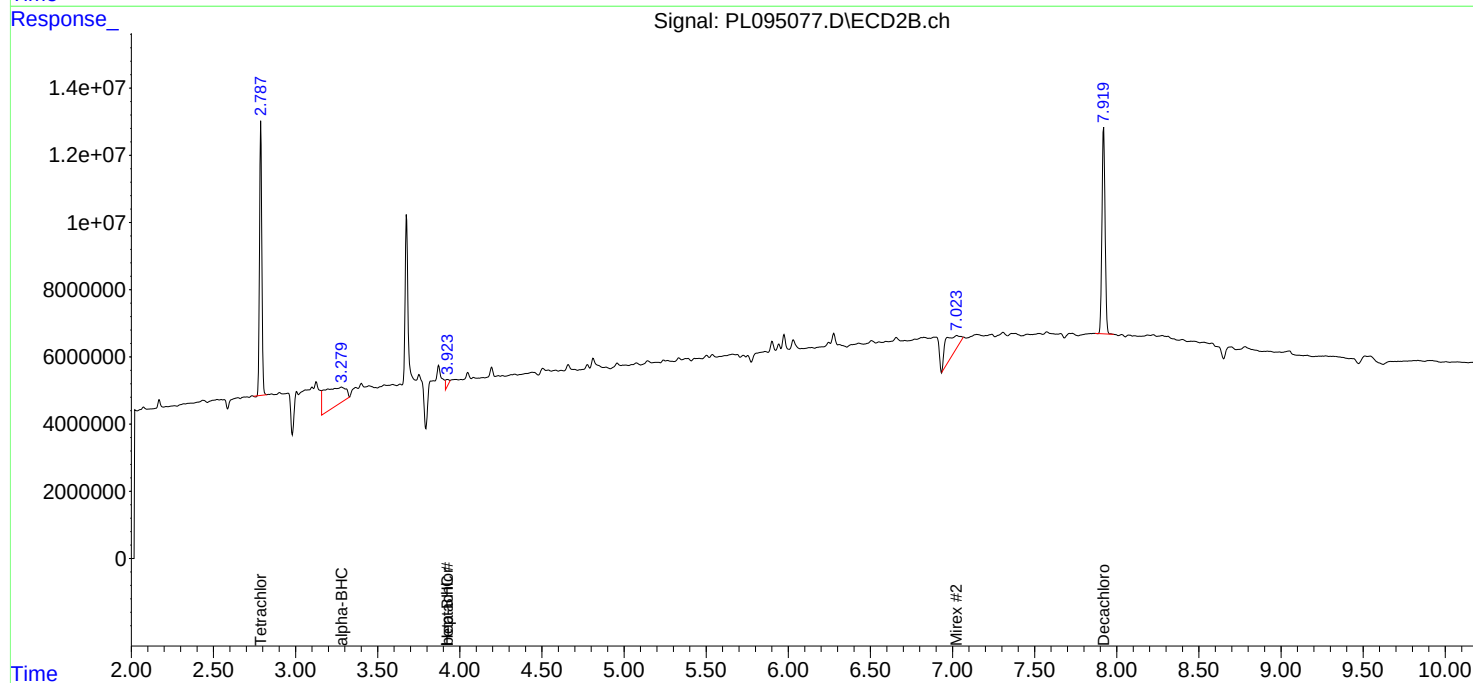
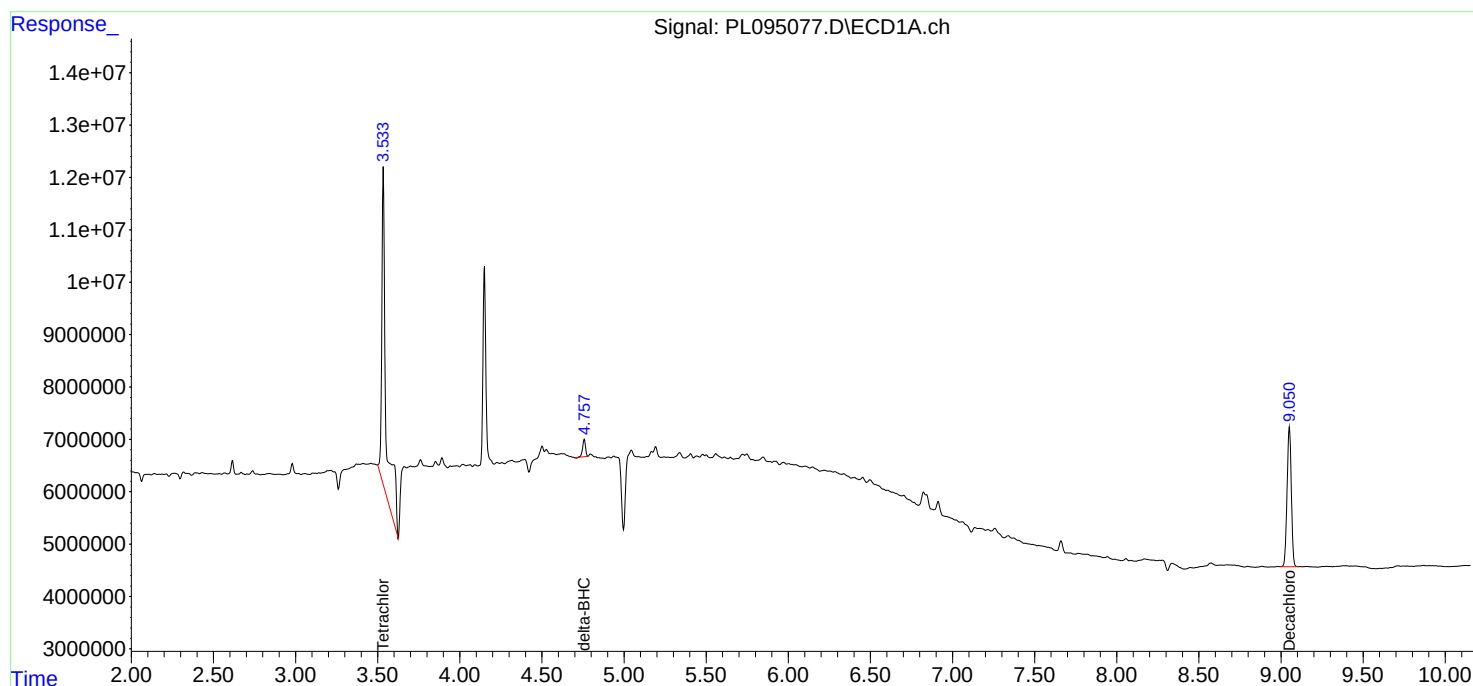
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

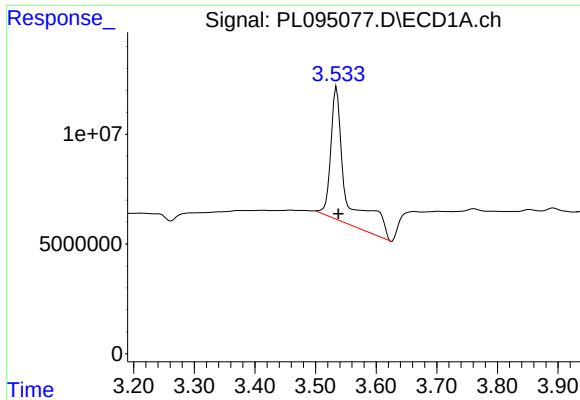
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 20:50
Operator : AR\AJ
Sample : Q1730-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

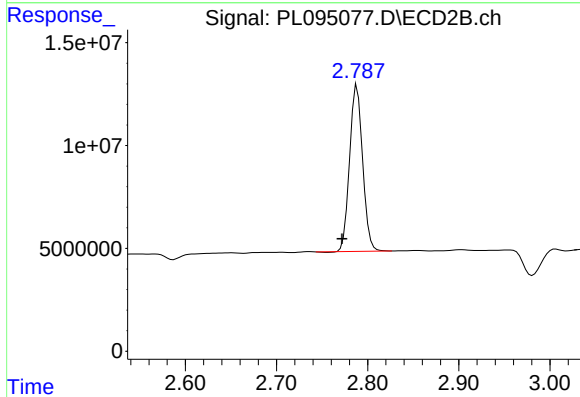




#1 Tetrachloro-m-xylene

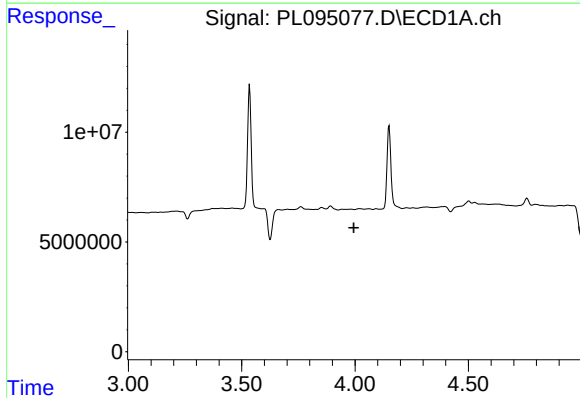
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 106980936
Conc: 37.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325



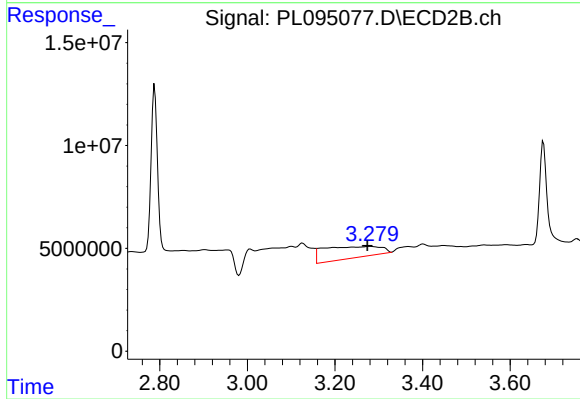
#1 Tetrachloro-m-xylene

R.T.: 2.788 min
Delta R.T.: 0.016 min
Response: 80124386
Conc: 22.45 ng/ml



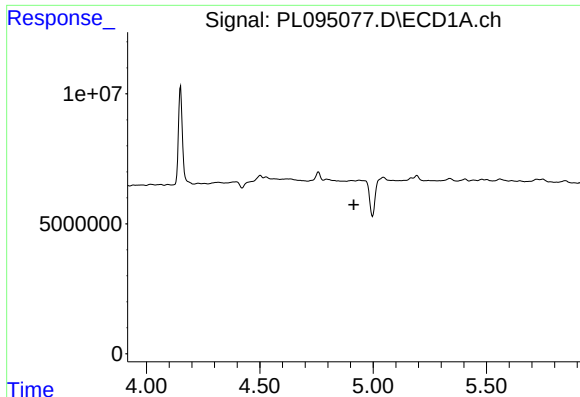
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.994 min
Response: 0
Conc: N.D.



#2 alpha-BHC

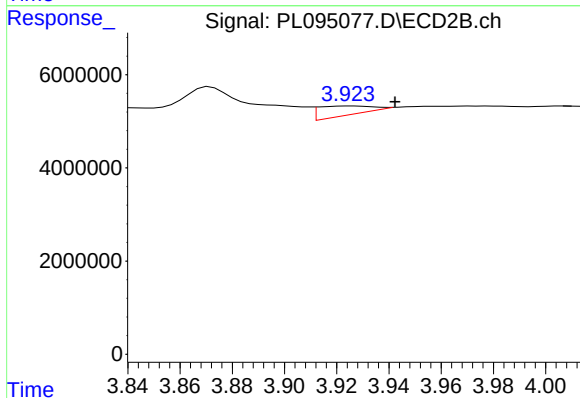
R.T.: 3.280 min
Delta R.T.: 0.006 min
Response: 51385758
Conc: 9.53 ng/ml



#4 Heptachlor

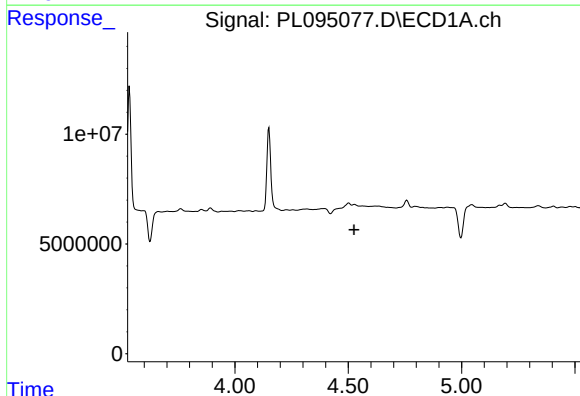
R.T.: 0.000 min
Exp R.T.: 4.915 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325



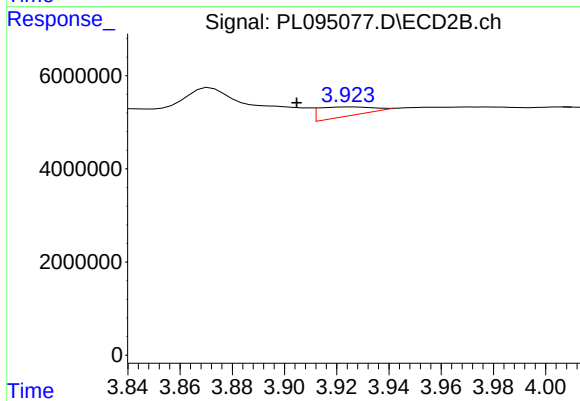
#4 Heptachlor

R.T.: 3.925 min
Delta R.T.: -0.017 min
Response: 2787974
Conc: 0.53 ng/ml



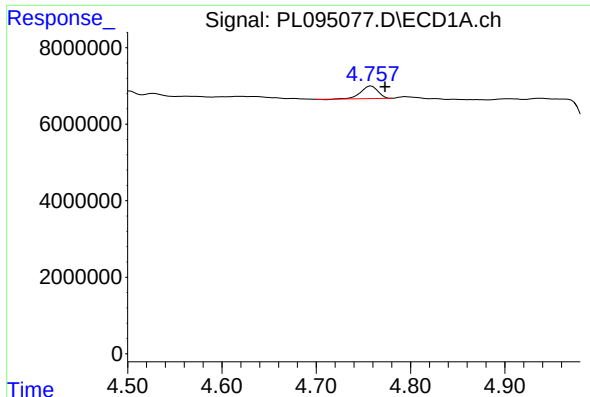
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

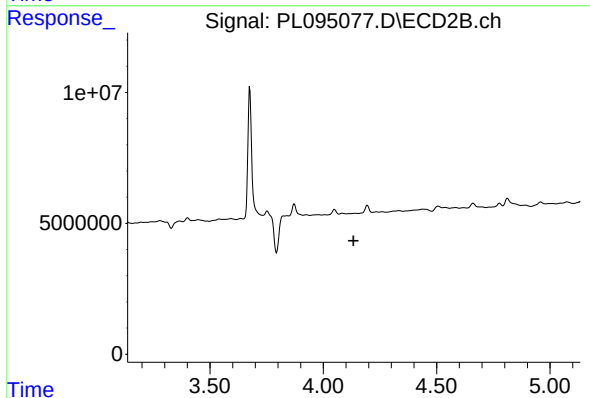
R.T.: 3.925 min
Delta R.T.: 0.021 min
Response: 2787974
Conc: 1.26 ng/ml



#7 delta-BHC

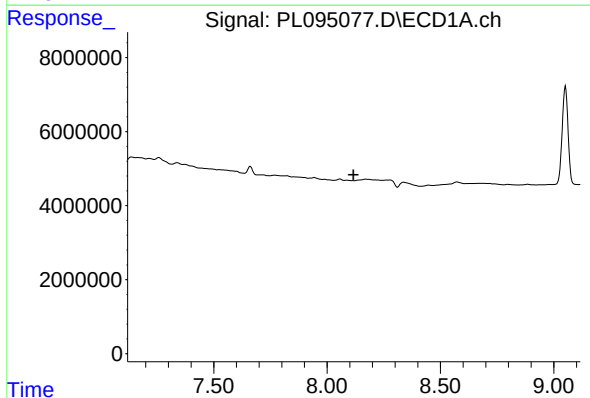
R.T.: 4.758 min
Delta R.T.: -0.014 min
Response: 4101613
Conc: 1.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325



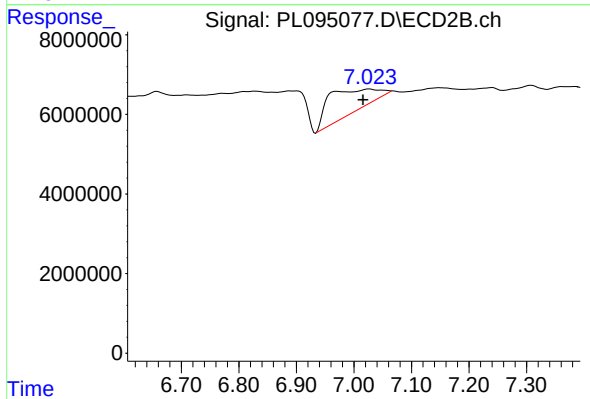
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.133 min
Response: 0
Conc: N.D.



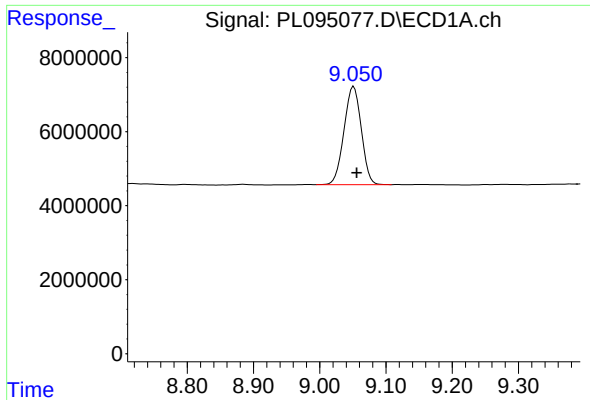
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.117 min
Response: 0
Conc: N.D.



#22 Mirex

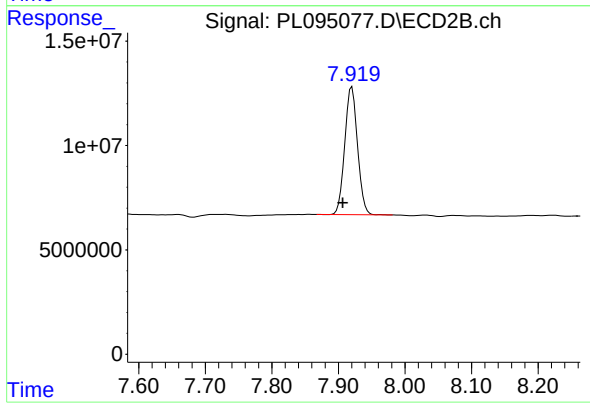
R.T.: 7.027 min
Delta R.T.: 0.011 min
Response: 33493765
Conc: 8.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 48033781
Conc: 22.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-23-040325



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.013 min
Response: 81535193
Conc: 20.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:04
Operator : AR\AJ
Sample : Q1730-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	106.8E6	81849119	37.715	22.932 #
28)	SA Decachlor...	9.051	7.900	51725555	87763262	24.544	21.727

Target Compounds							
7)	B delta-BHC	4.759	0.000	4361318	0	1.120	N.D. #

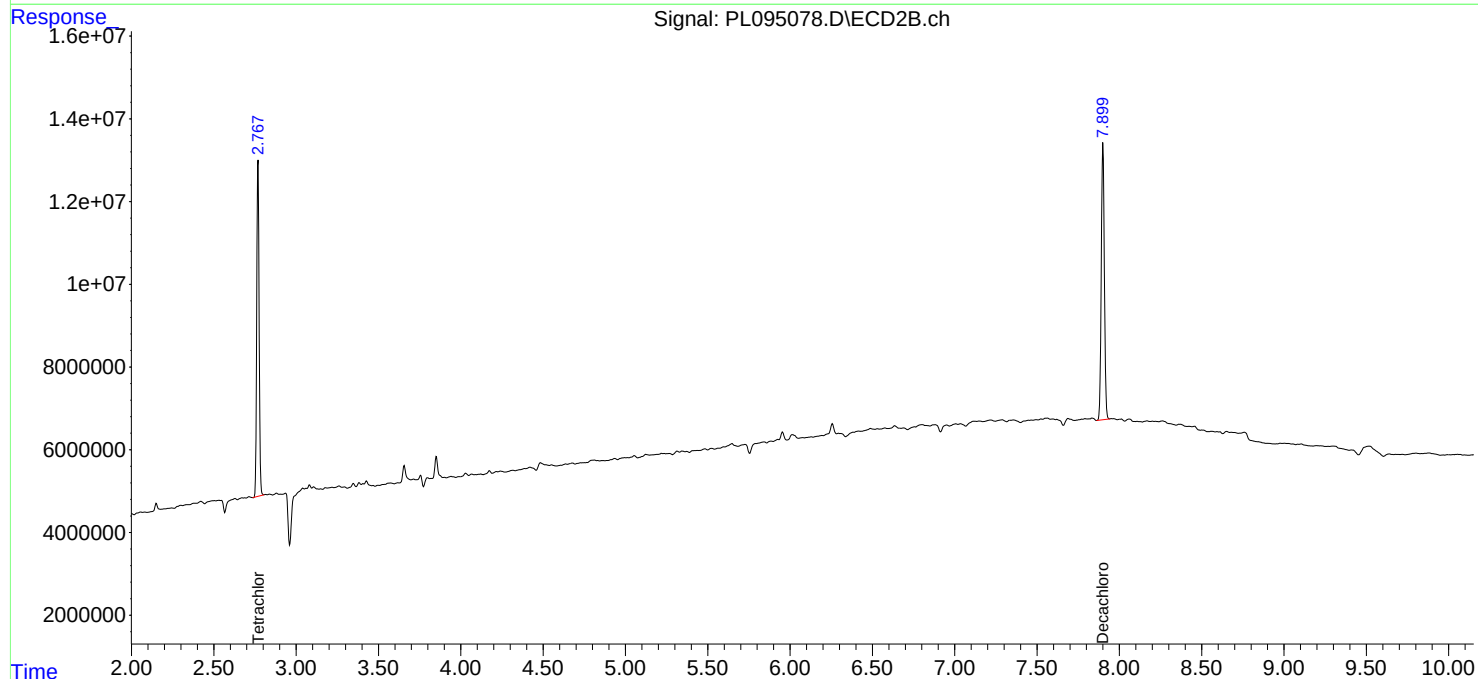
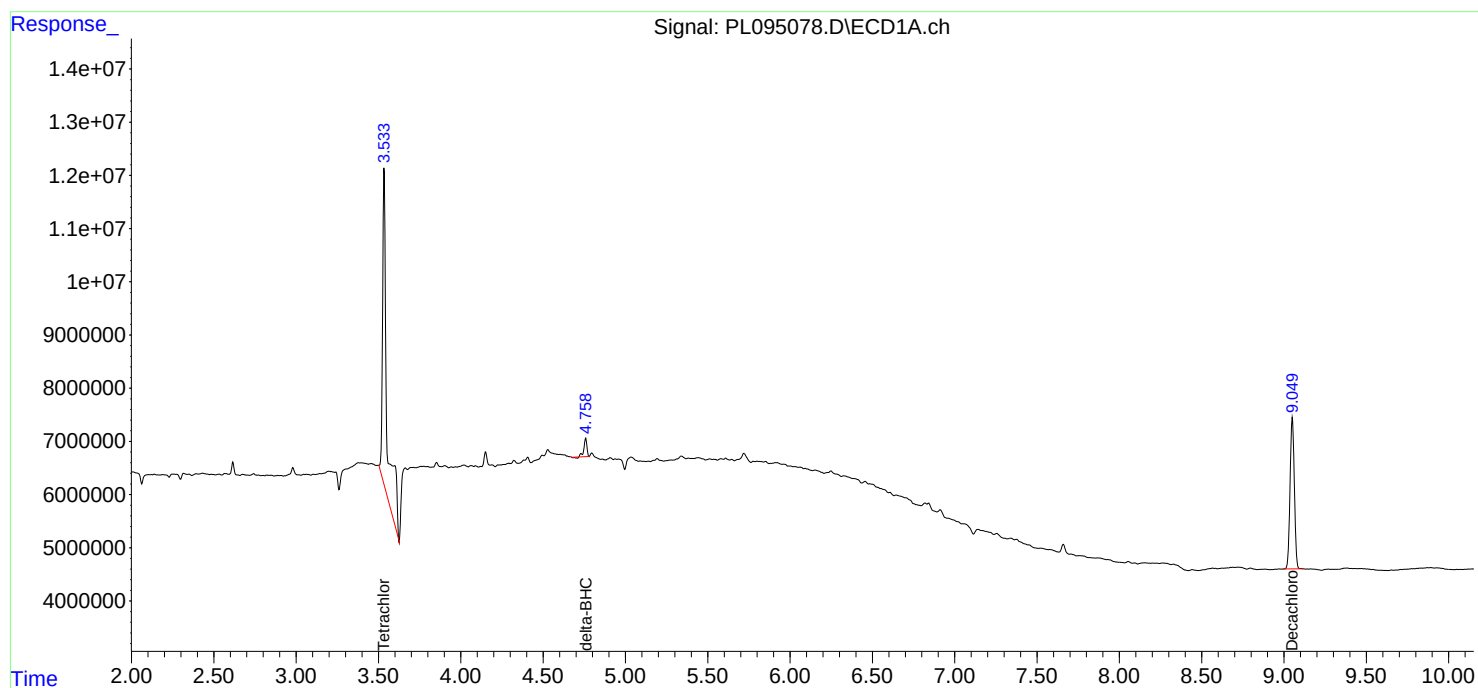
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

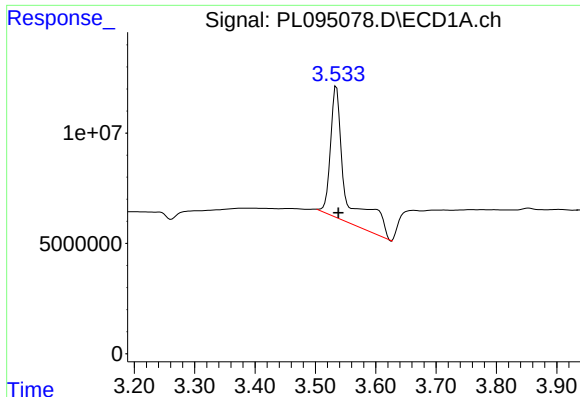
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:04
Operator : AR\AJ
Sample : Q1730-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

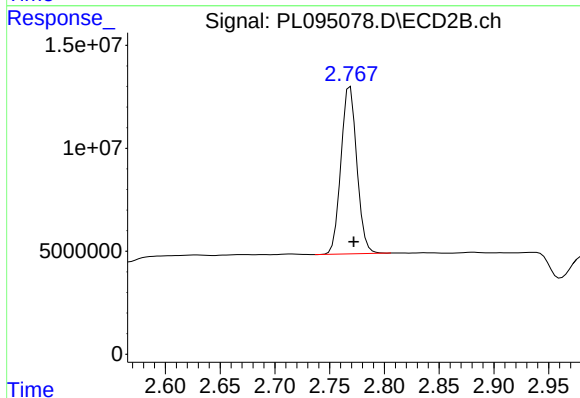




#1 Tetrachloro-m-xylene

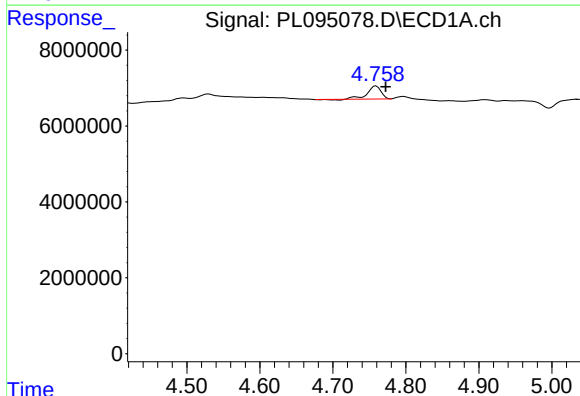
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 106759837
Conc: 37.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325



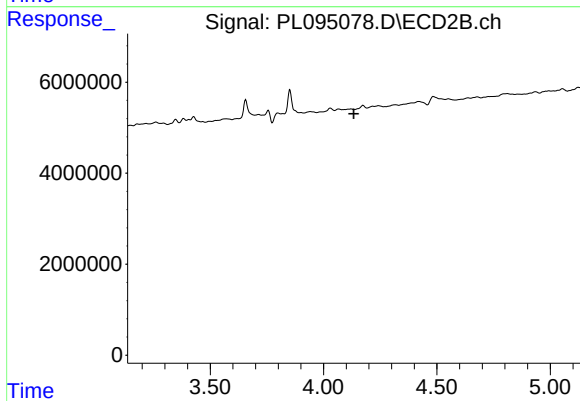
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 81849119
Conc: 22.93 ng/ml



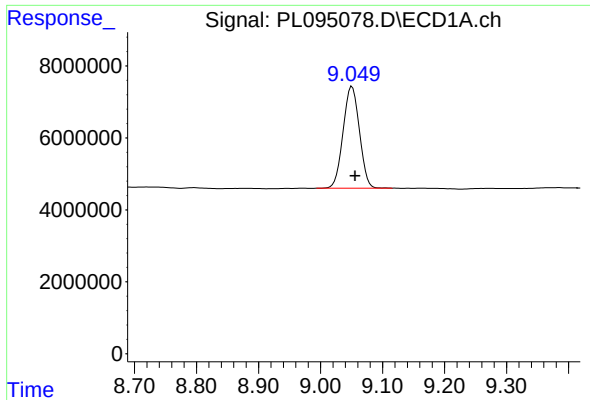
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.014 min
Response: 4361318
Conc: 1.12 ng/ml



#7 delta-BHC

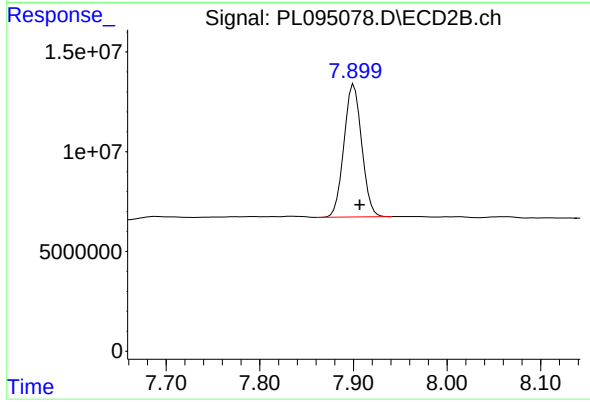
R.T.: 0.000 min
Exp R.T.: 4.133 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 51725555
Conc: 24.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-24-040325



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 87763262
Conc: 21.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:17
Operator : AR\AJ
Sample : Q1730-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	108.0E6	78596342	38.143	22.020 #
28) SA Decachlor...	9.050	7.901	47603939	80212566	22.588	19.858
Target Compounds						
7) B delta-BHC	4.759	0.000	4011202	0	1.030	N.D. #

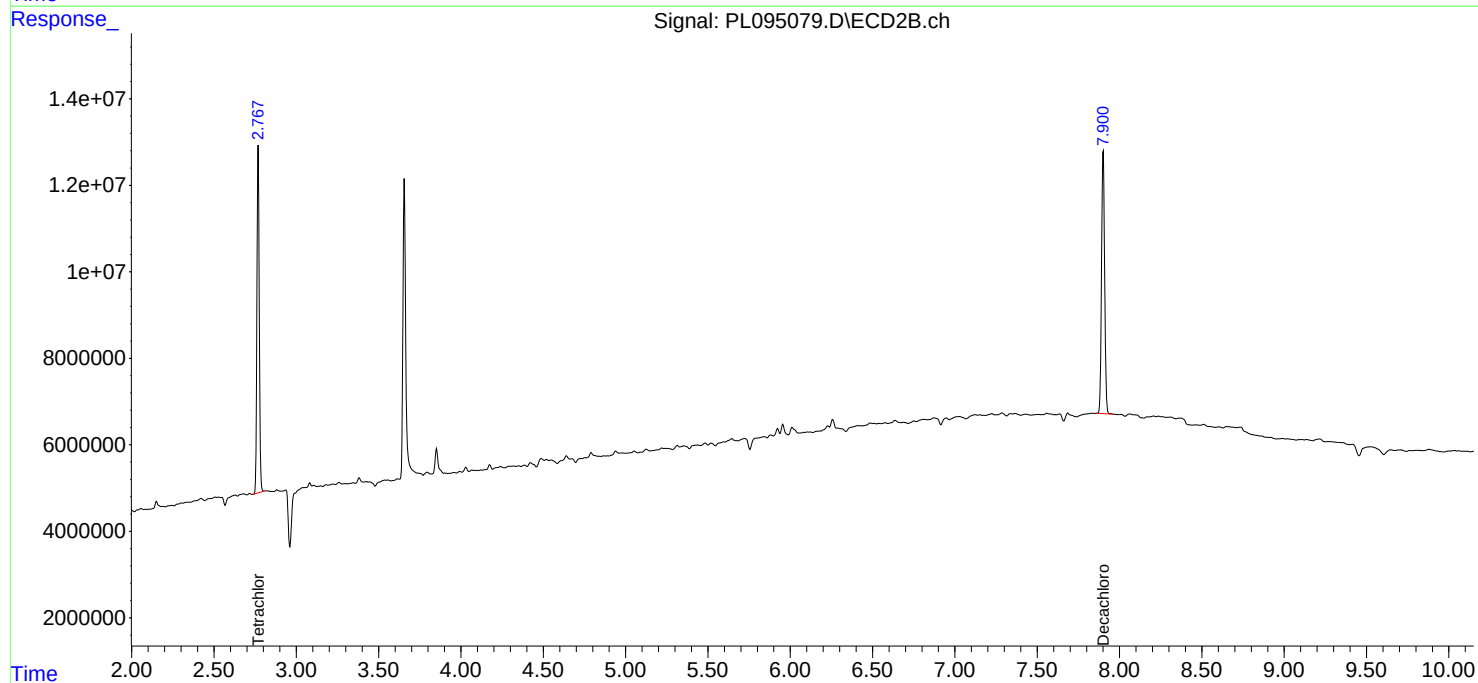
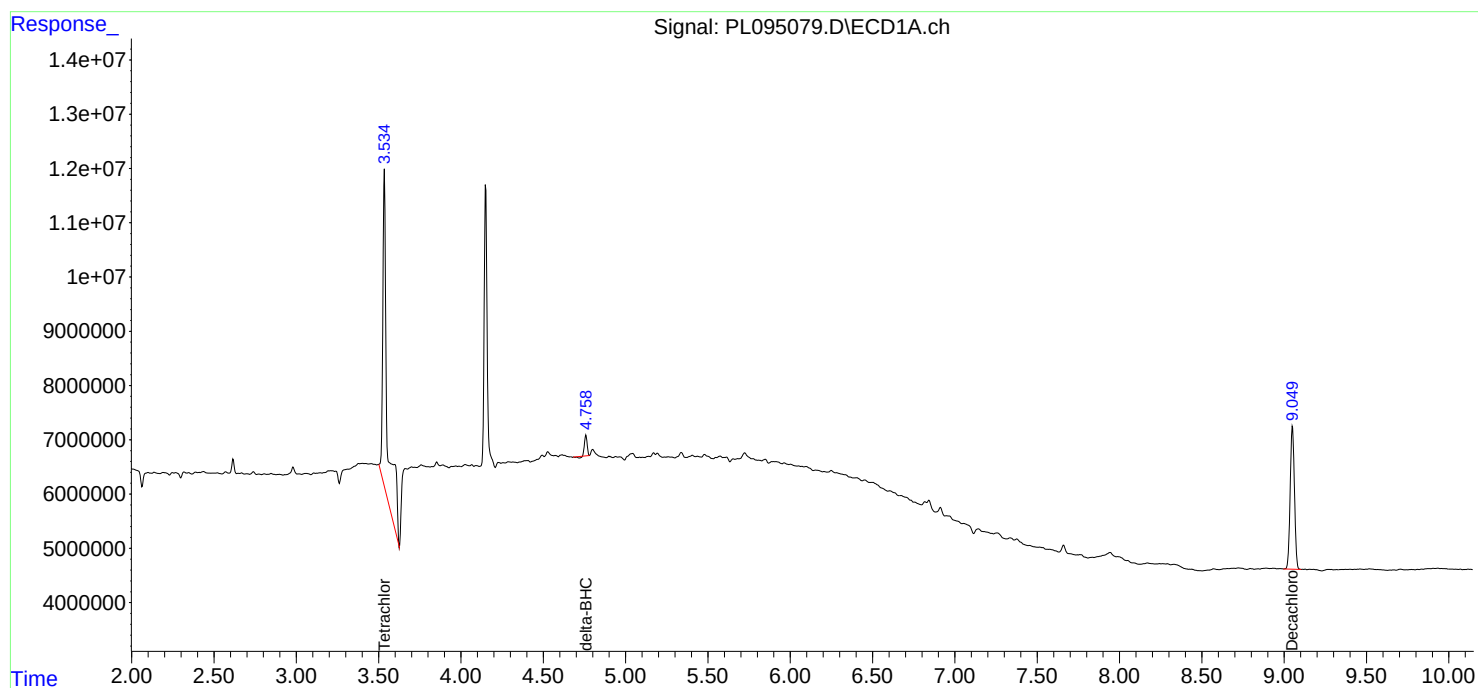
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

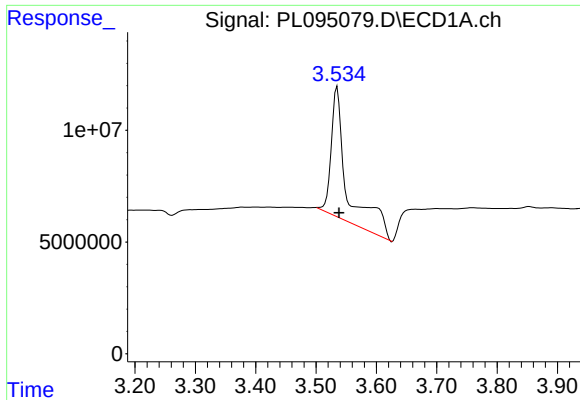
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:17
Operator : AR\AJ
Sample : Q1730-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

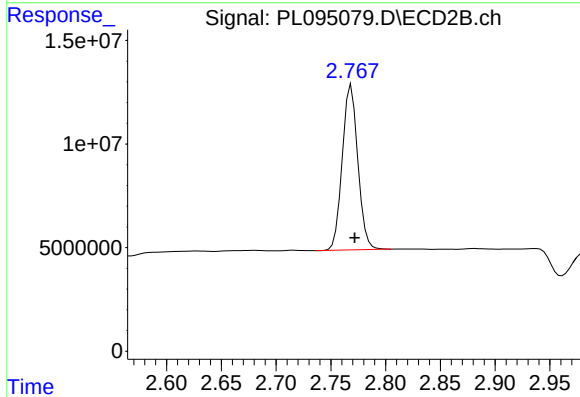




#1 Tetrachloro-m-xylene

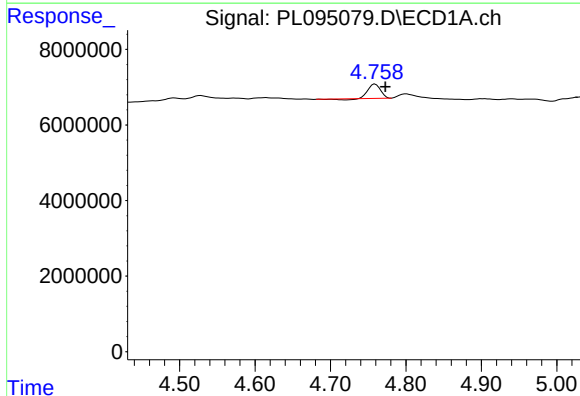
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 107971582
Conc: 38.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325



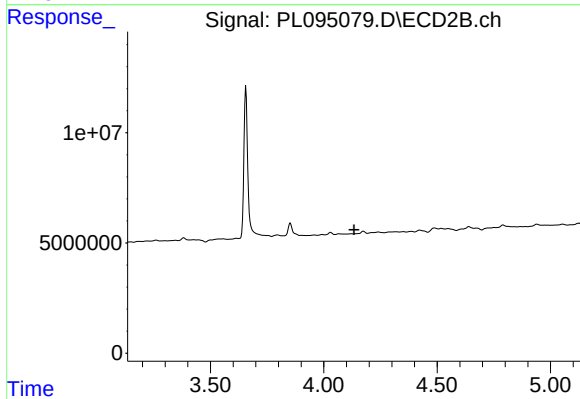
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 78596342
Conc: 22.02 ng/ml



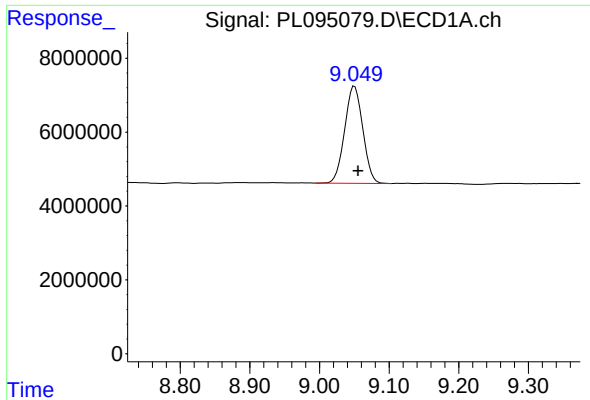
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.014 min
Response: 4011202
Conc: 1.03 ng/ml



#7 delta-BHC

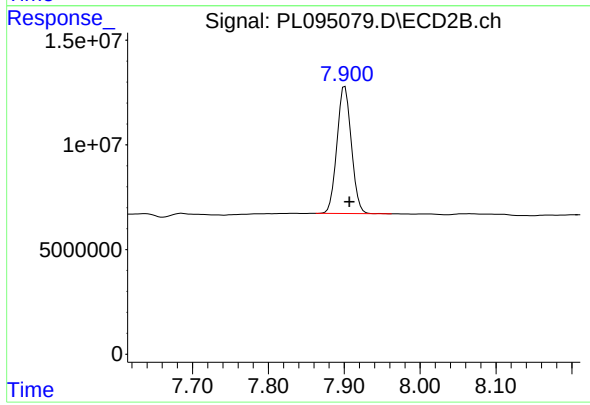
R.T.: 0.000 min
Exp R.T. : 4.133 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 47603939
Conc: 22.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-25-040325



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 80212566
Conc: 19.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
 Data File : PL095080.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Apr 2025 21:31
 Operator : AR\AJ
 Sample : Q1730-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-26-040325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 02:23:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	103.5E6	77606126	36.570	21.743 #
28)	SA Decachlor...	9.051	7.901	49123004	83972218	23.309	20.788
Target Compounds							
2)	A alpha-BHC	0.000	3.260	0	7328216	N.D.	1.359 #
15)	B Endosulfa...	0.000	5.955f	0	7120885	N.D.	1.645 #
27)	Chlordane-5	0.000	5.955f	0	7120885	N.D.	37.120 #

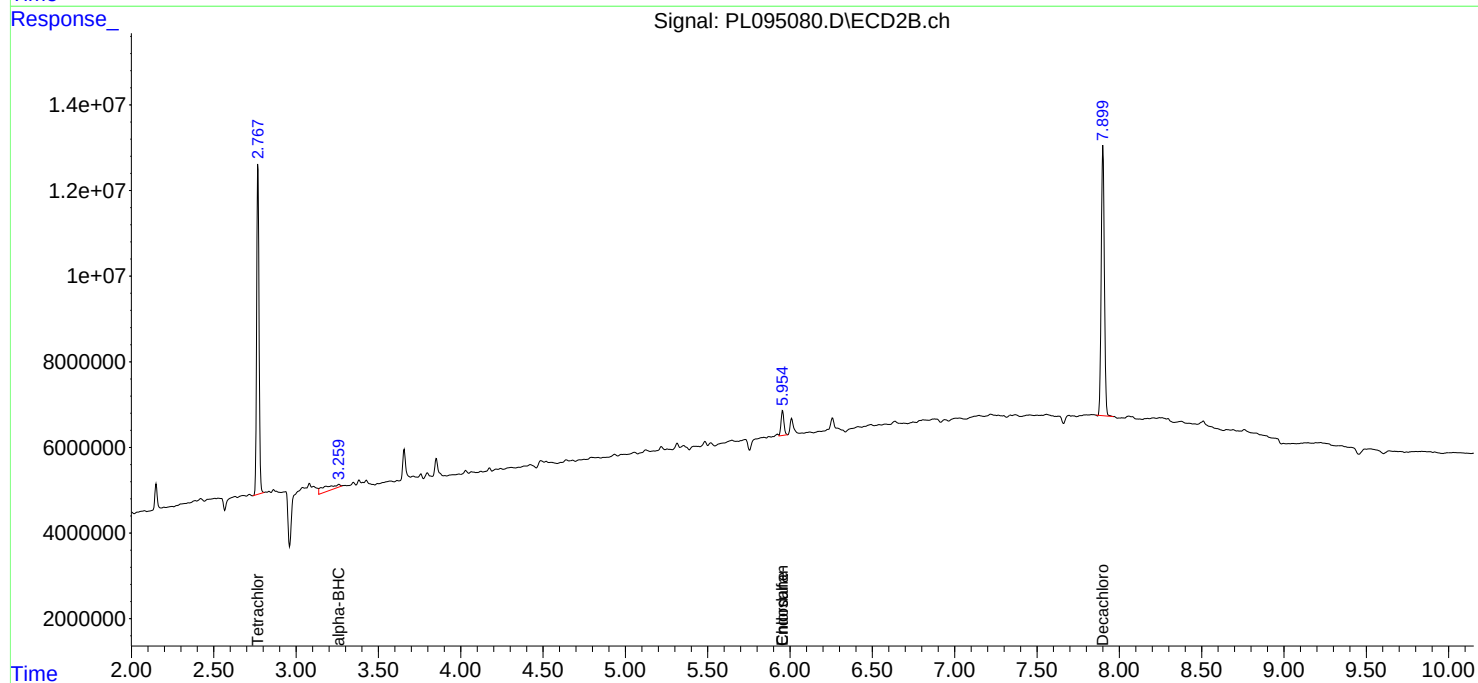
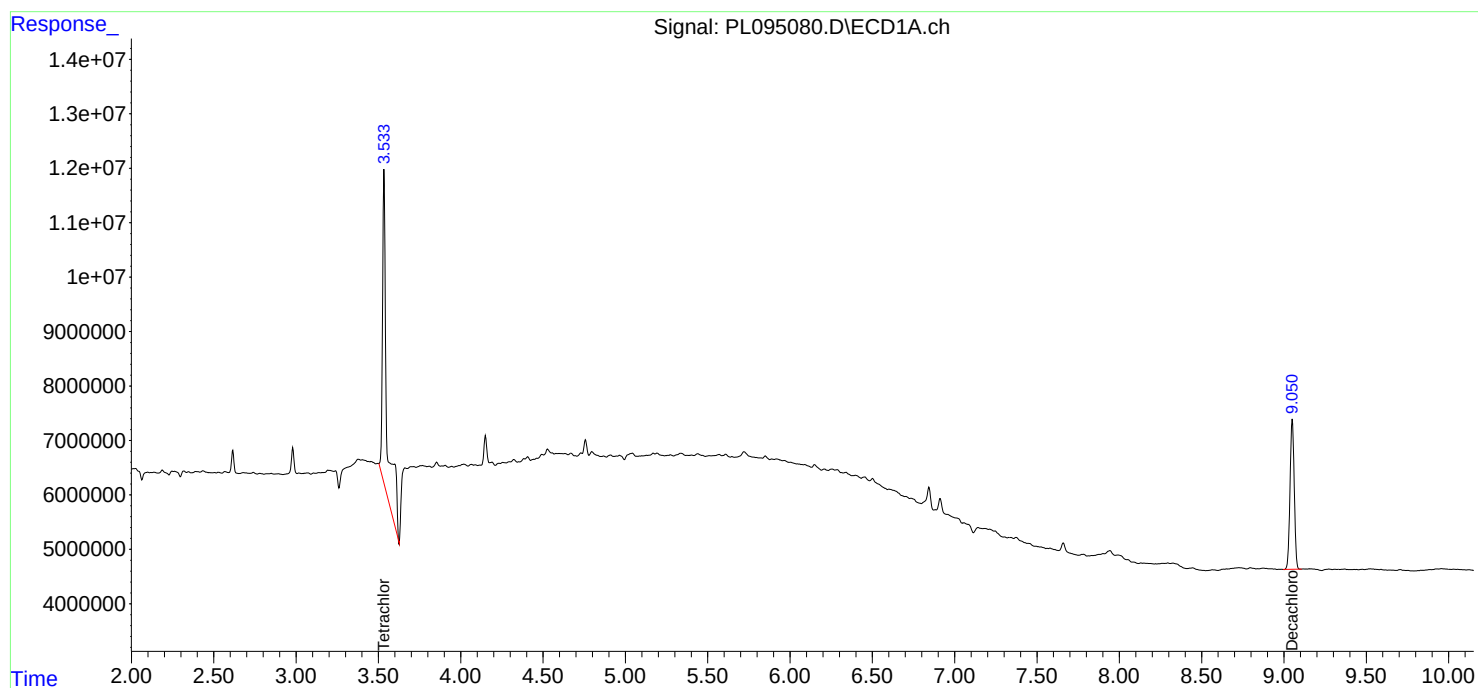
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

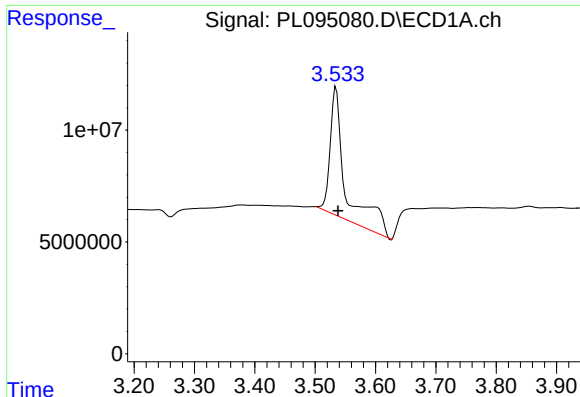
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040725\
Data File : PL095080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:31
Operator : AR\AJ
Sample : Q1730-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 02:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

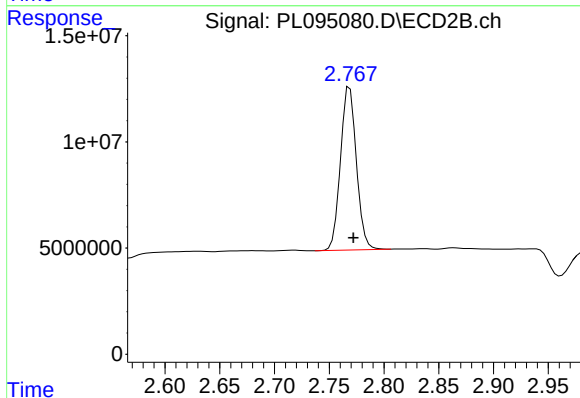




#1 Tetrachloro-m-xylene

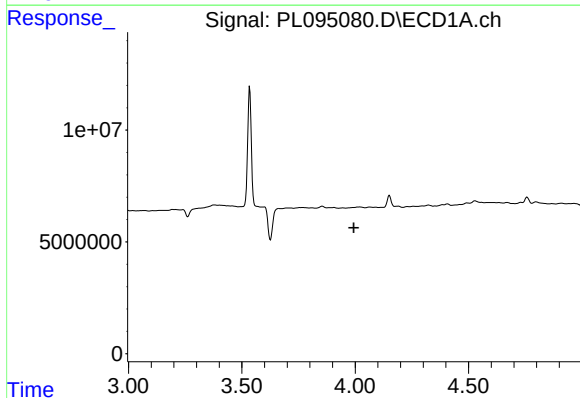
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 103518476
Conc: 36.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325



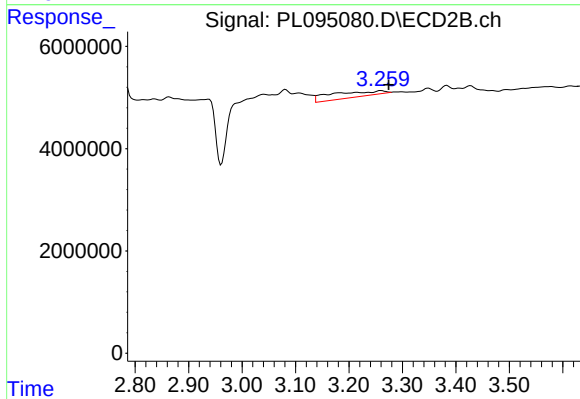
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 77606126
Conc: 21.74 ng/ml



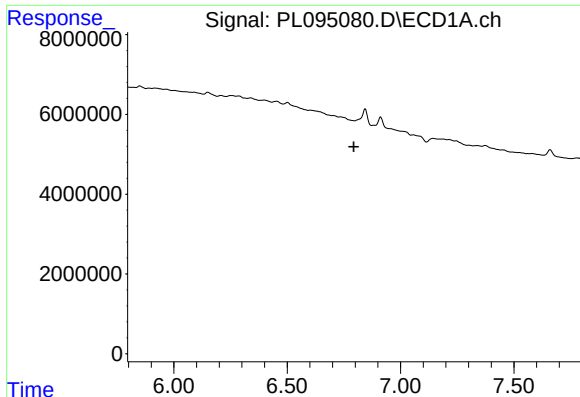
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.994 min
Response: 0
Conc: N.D.



#2 alpha-BHC

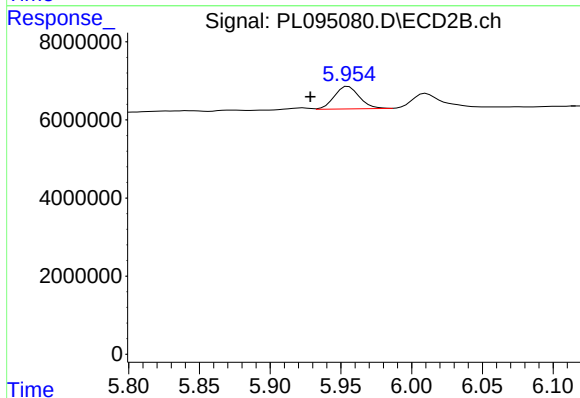
R.T.: 3.260 min
Delta R.T.: -0.014 min
Response: 7328216
Conc: 1.36 ng/ml



#15 Endosulfan II

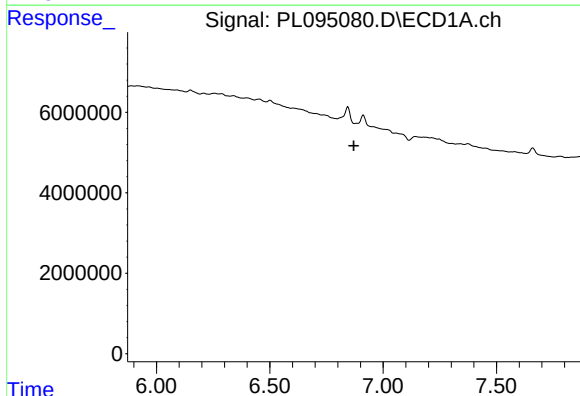
R.T.: 0.000 min
Exp R.T.: 6.794 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325



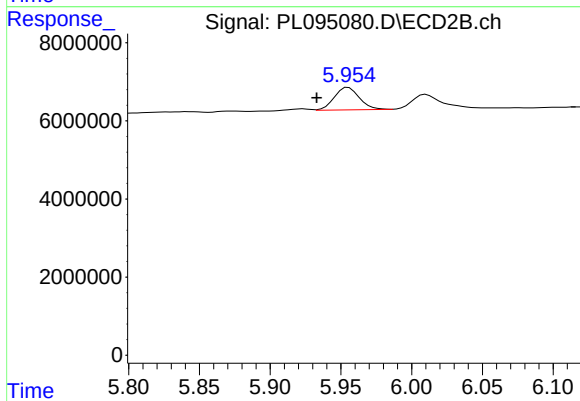
#15 Endosulfan II

R.T.: 5.955 min
Delta R.T.: 0.027 min
Response: 7120885
Conc: 1.65 ng/ml



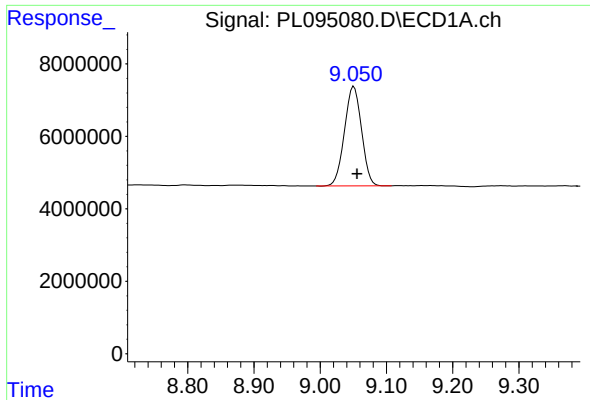
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

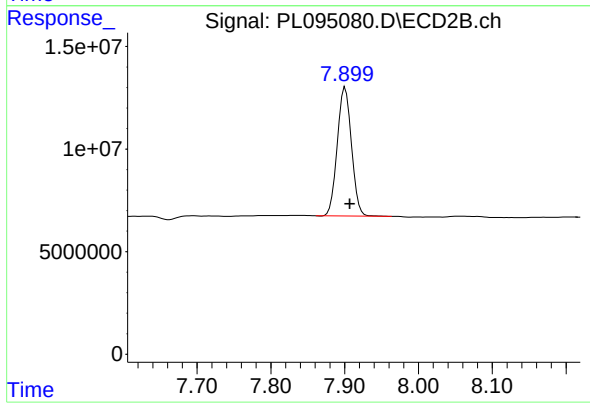
R.T.: 5.955 min
Delta R.T.: 0.022 min
Response: 7120885
Conc: 37.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 49123004
Conc: 23.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-26-040325



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 83972218
Conc: 20.79 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095096.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 09:48
 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 08 22:39:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	61158109	80344478	21.606	22.510
28)	SA Decachlor...	9.050	7.901	51933326	89732265	24.643	22.214
Target Compounds							
2)	A alpha-BHC	3.990	3.270	47274027	58754840	11.385	10.898
3)	MA gamma-BHC...	4.323	3.599	45647300	54735079	11.440	10.650
6)	B beta-BHC	4.522	3.900	20838482	26629144	11.293	11.988
7)	B delta-BHC	4.760	0.000	1816273	0	0.466	N.D. #
14)	MA Endrin	6.570	5.628	147.4E6	233.0E6	53.168	53.389
17)	MA 4,4'-DDT	7.021	6.026	263.3E6	483.1E6	110.696	119.808
18)	B Endrin al...	0.000	6.102	0	6513419	N.D.	1.935 #
20)	A Methoxychlor	7.497	6.600	324.6E6	592.8E6	271.164	279.474
21)	B Endrin ke...	7.639	6.830	6910480	23107959	2.614	4.842 #

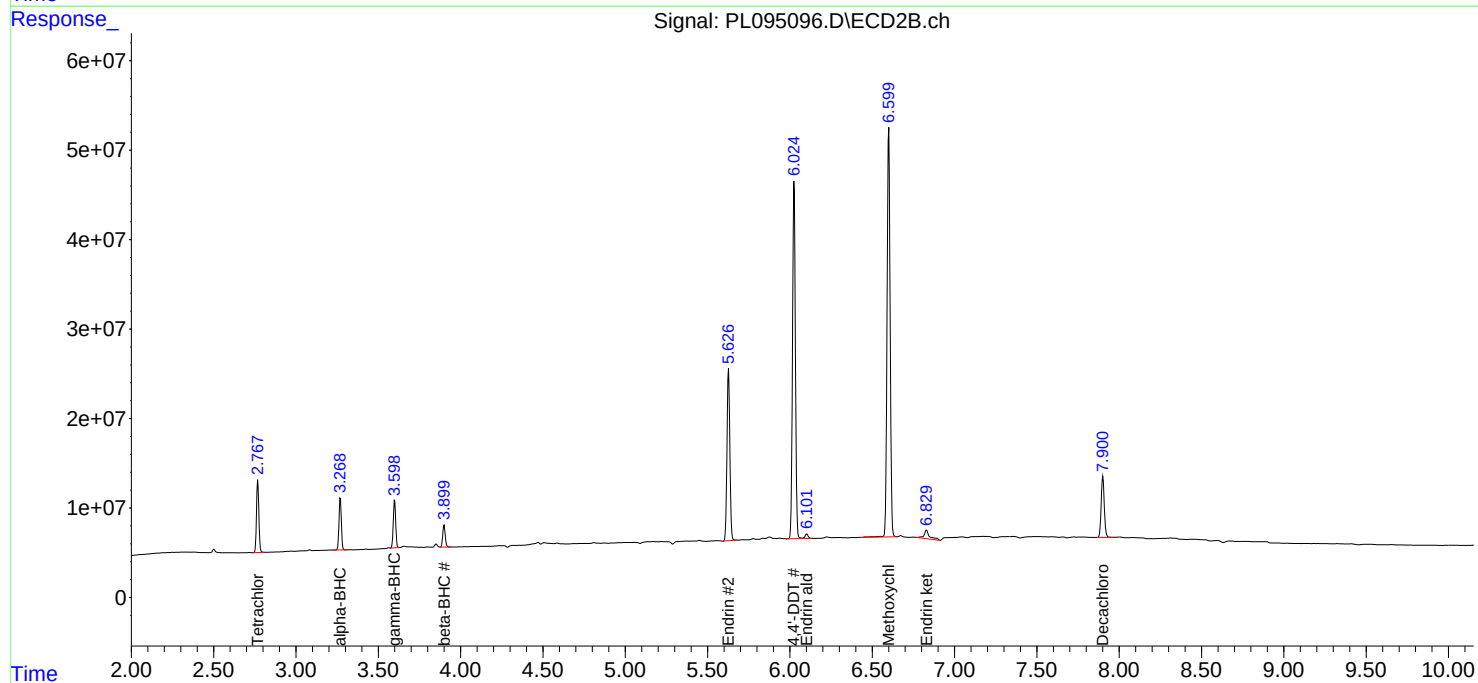
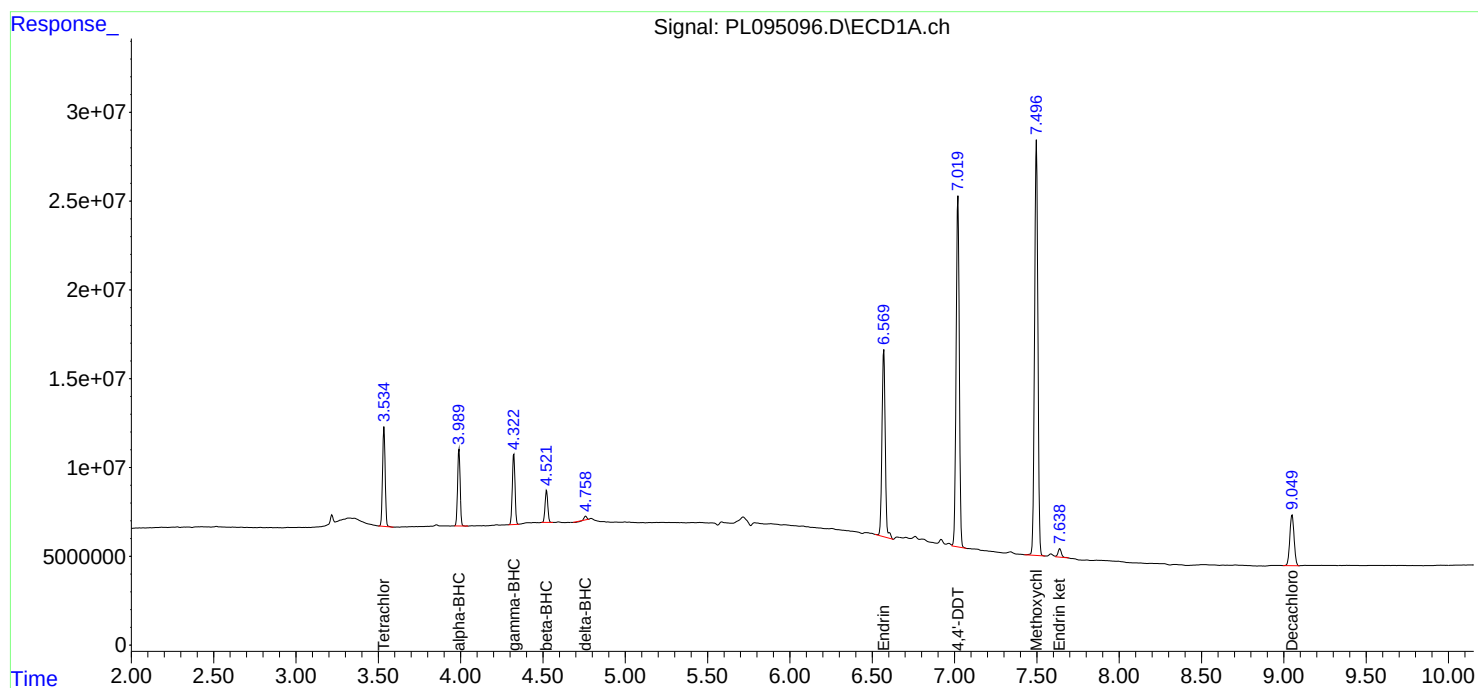
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

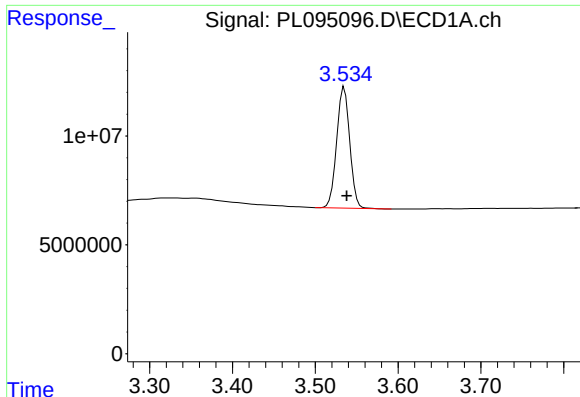
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

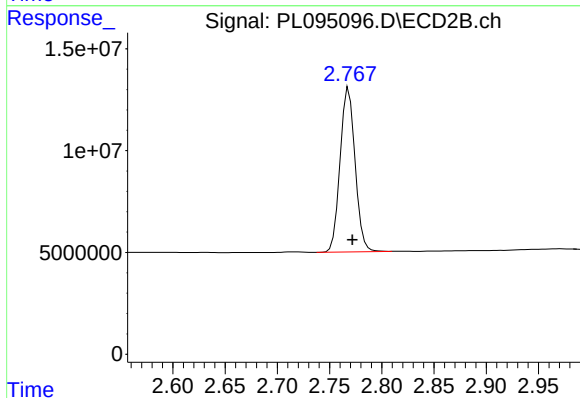




#1 Tetrachloro-m-xylene

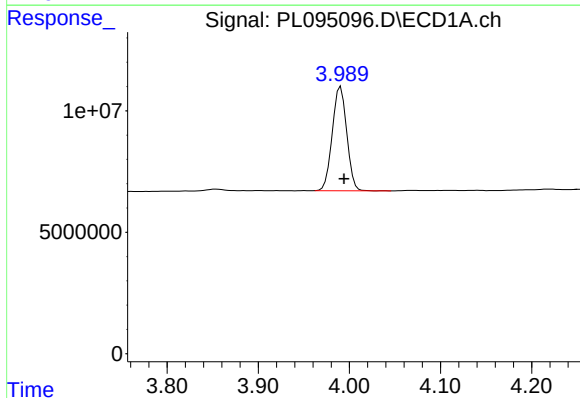
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 61158109
Conc: 21.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



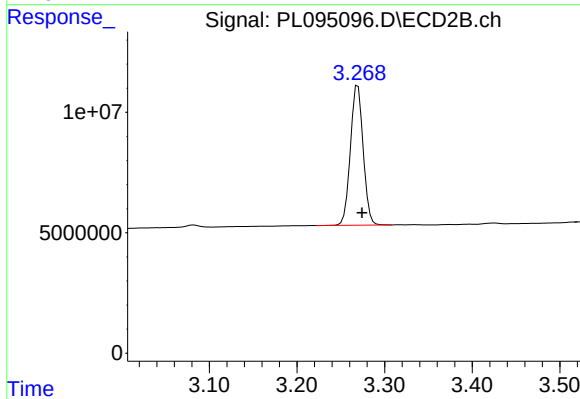
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 80344478
Conc: 22.51 ng/ml



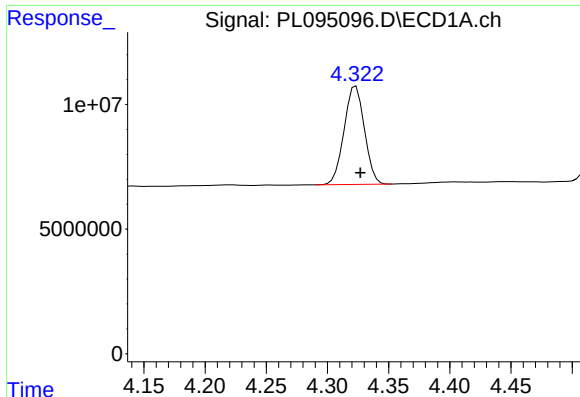
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 47274027
Conc: 11.38 ng/ml



#2 alpha-BHC

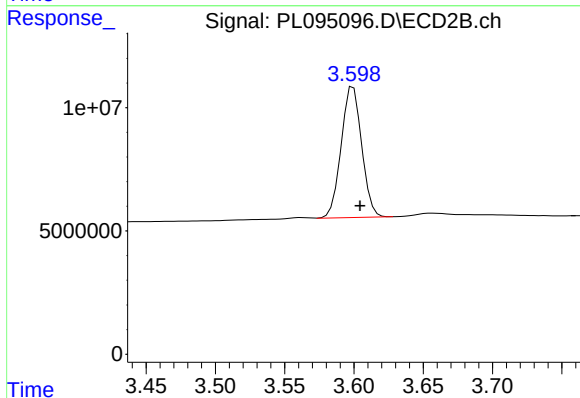
R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 58754840
Conc: 10.90 ng/ml



#3 gamma-BHC (Lindane)

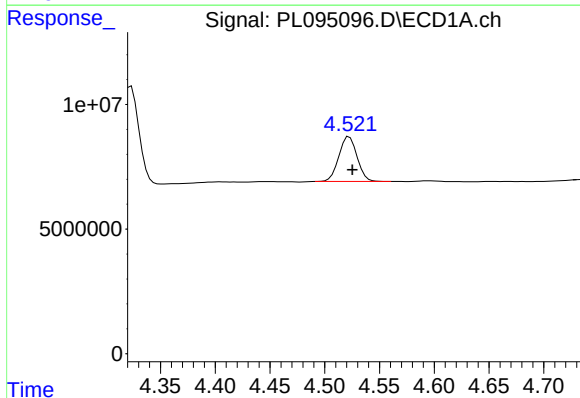
R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 45647300
Conc: 11.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



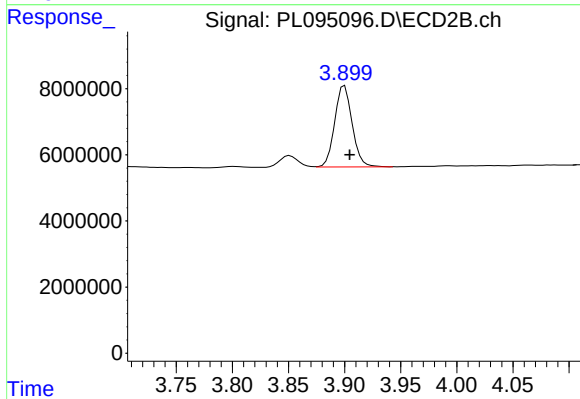
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 54735079
Conc: 10.65 ng/ml



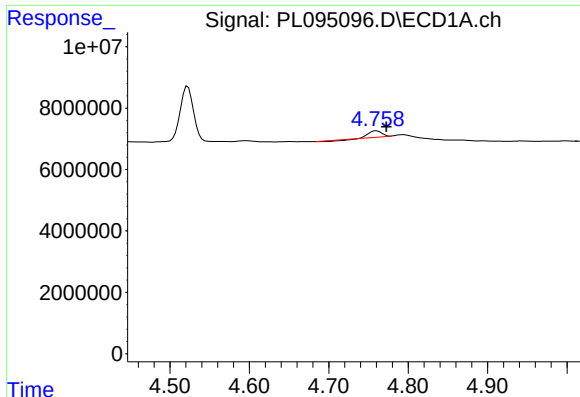
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 20838482
Conc: 11.29 ng/ml



#6 beta-BHC

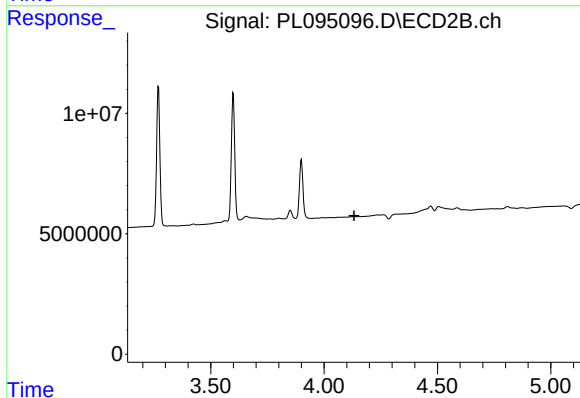
R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 26629144
Conc: 11.99 ng/ml



#7 delta-BHC

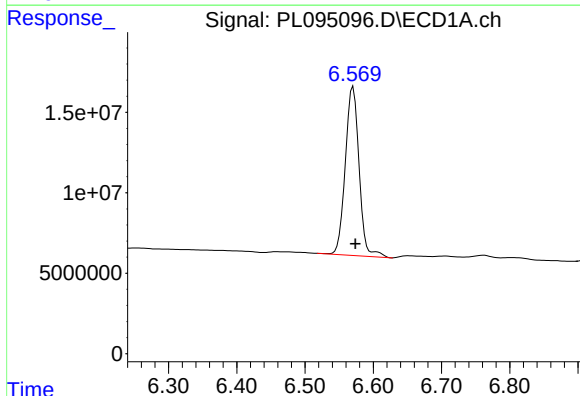
R.T.: 4.760 min
Delta R.T.: -0.013 min
Response: 1816273
Conc: 0.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



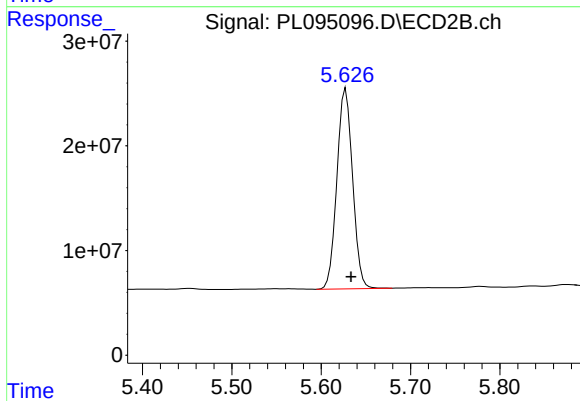
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.133 min
Response: 0
Conc: N.D.



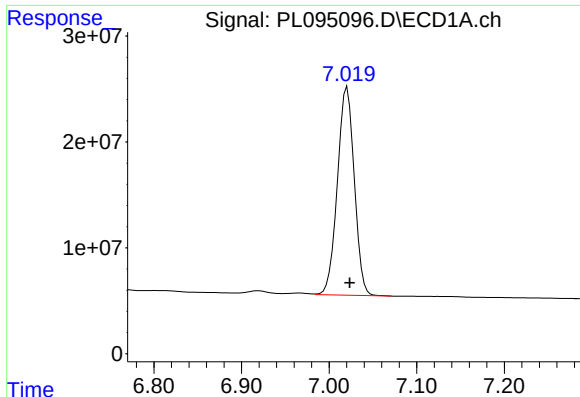
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 147384349
Conc: 53.17 ng/ml



#14 Endrin

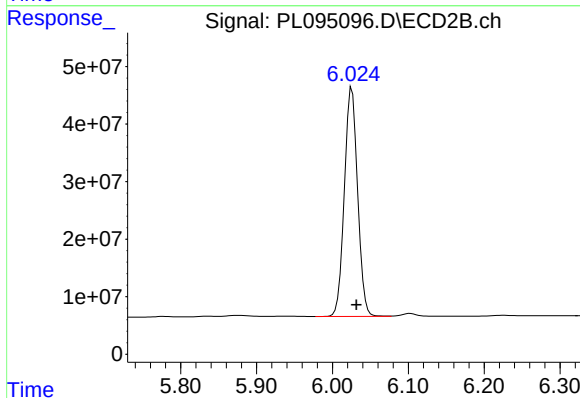
R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 232969735
Conc: 53.39 ng/ml



#17 4,4'-DDT

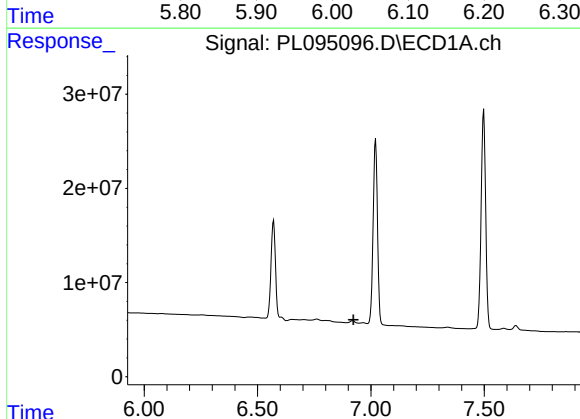
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 263295012
Conc: 110.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



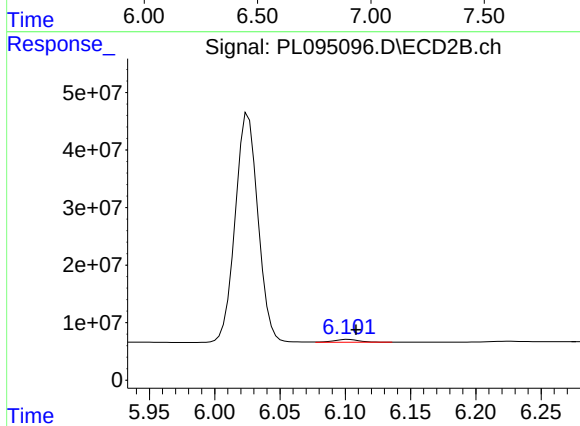
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 483076959
Conc: 119.81 ng/ml



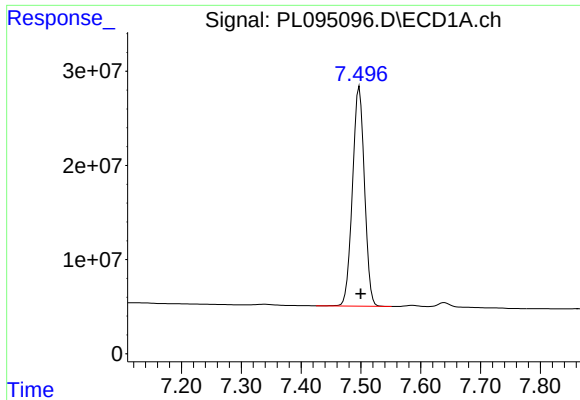
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.924 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

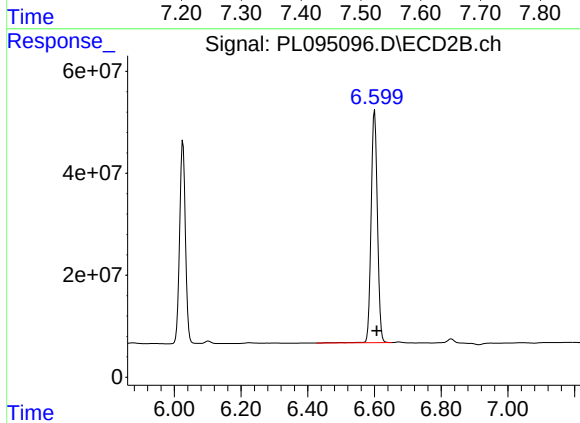
R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 6513419
Conc: 1.94 ng/ml



#20 Methoxychlor

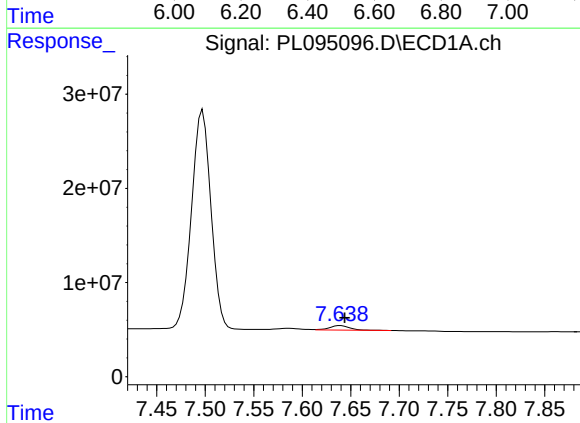
R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 324603408
Conc: 271.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



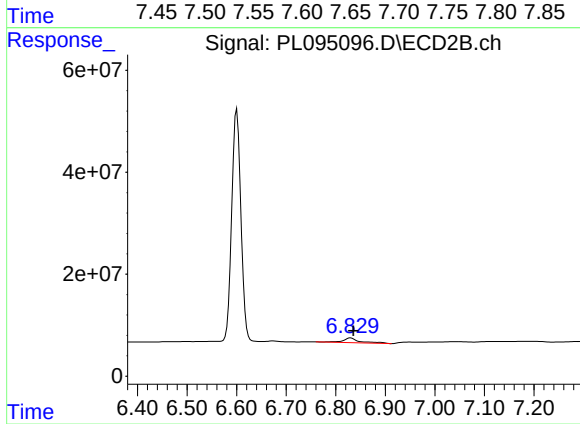
#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: -0.006 min
Response: 592783310
Conc: 279.47 ng/ml



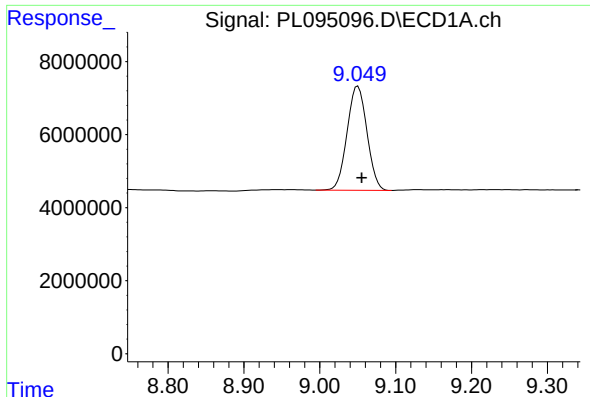
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 6910480
Conc: 2.61 ng/ml



#21 Endrin ketone

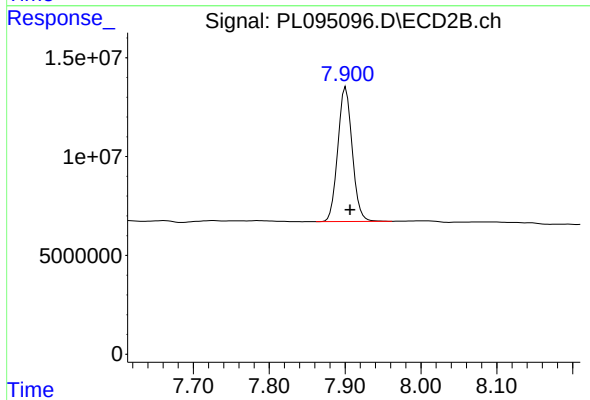
R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 23107959
Conc: 4.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 51933326
Conc: 24.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 89732265
Conc: 22.21 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095097.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 10:02
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:40:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	128.5E6	174.2E6	45.388	48.813
28)	SA Decachlor...	9.051	7.901	105.1E6	186.0E6	49.865	46.037
Target Compounds							
2)	A alpha-BHC	3.991	3.270	190.8E6	268.5E6	45.952	49.806
3)	MA gamma-BHC...	4.323	3.599	182.9E6	244.4E6	45.832	47.545
4)	MA Heptachlor	4.911	3.937	172.8E6	251.3E6	44.508	47.702
5)	MB Aldrin	5.252	4.216	165.6E6	234.7E6	44.861	48.127
6)	B beta-BHC	4.523	3.900	83344828	109.2E6	45.168	49.177
7)	B delta-BHC	4.770	4.128	178.2E6	250.5E6	45.751	50.088
8)	B Heptachlo...	5.680	4.718	148.5E6	217.9E6	44.403	47.593
9)	A Endosulfan I	6.065	5.088	144.8E6	211.6E6	47.167	48.205
10)	B gamma-Chl...	5.936	4.969	156.2E6	233.2E6	46.348	48.304
11)	B alpha-Chl...	6.014	5.032	154.4E6	230.3E6	46.819	48.260
12)	B 4,4'-DDE	6.189	5.220	152.8E6	249.5E6	51.936	53.674
13)	MA Dieldrin	6.341	5.352	151.3E6	241.3E6	47.303	49.733
14)	MA Endrin	6.570	5.628	134.1E6	212.7E6	48.389	48.738
15)	B Endosulfa...	6.791	5.923	132.8E6	205.1E6	48.912	47.388
16)	A 4,4'-DDD	6.706	5.776	116.6E6	185.4E6	53.838	51.546
17)	MA 4,4'-DDT	7.020	6.026	121.5E6	205.6E6	51.078	50.999
18)	B Endrin al...	6.921	6.102	101.7E6	161.0E6	48.163	47.838
19)	B Endosulfa...	7.156	6.325	116.1E6	198.7E6	47.751	48.784
20)	A Methoxychlor	7.497	6.601	63089642	110.1E6	52.703	51.901
21)	B Endrin ke...	7.641	6.830	128.1E6	246.1E6	48.458	51.558
22)	Mirex	8.113	7.009	93002462	188.0E6	45.009	49.545
24)	Chlordane-2	5.252f	0.000	165.6E6	0	1094.716	N.D. #
25)	Chlordane-3	5.936	4.969	156.2E6	233.2E6	312.437	438.404 #
26)	Chlordane-4	6.014	5.032	154.4E6	230.3E6	262.019	442.473 #
27)	Chlordane-5	0.000	5.923	0	205.1E6	N.D.	1069.177 #

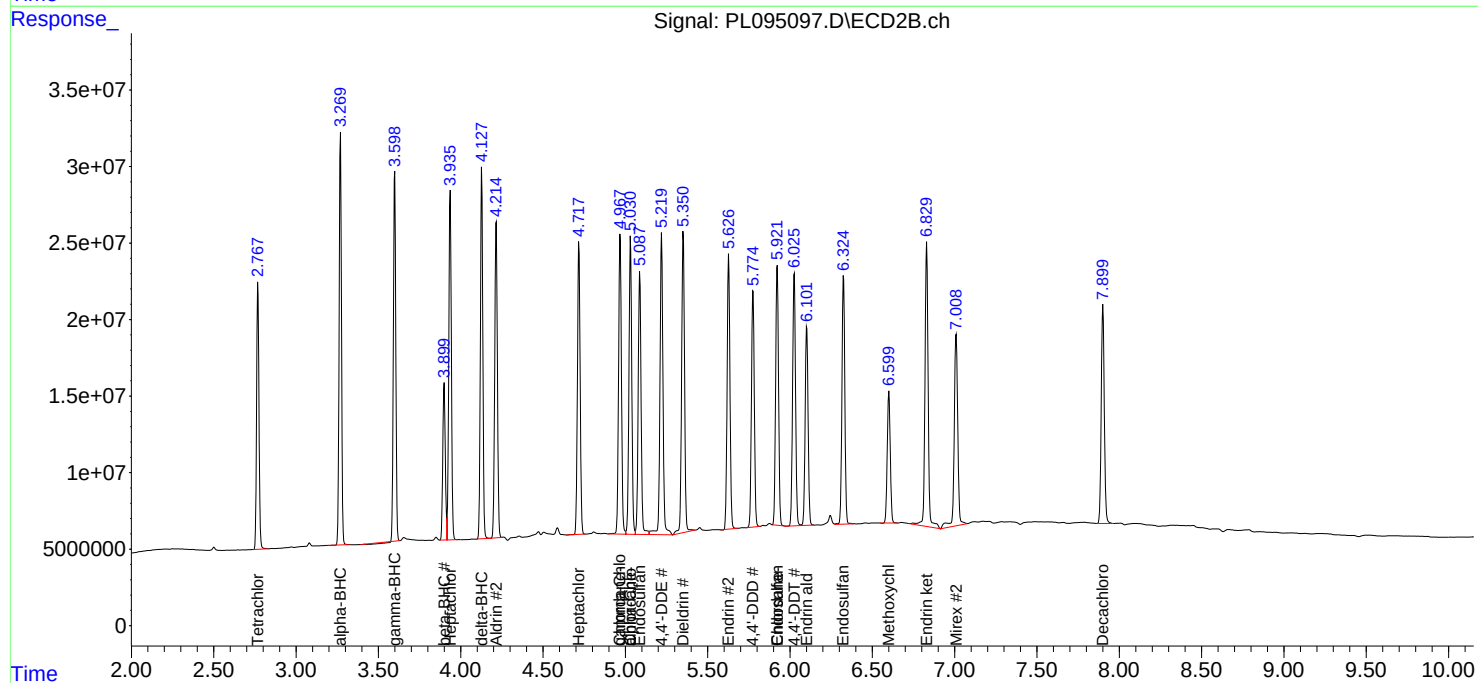
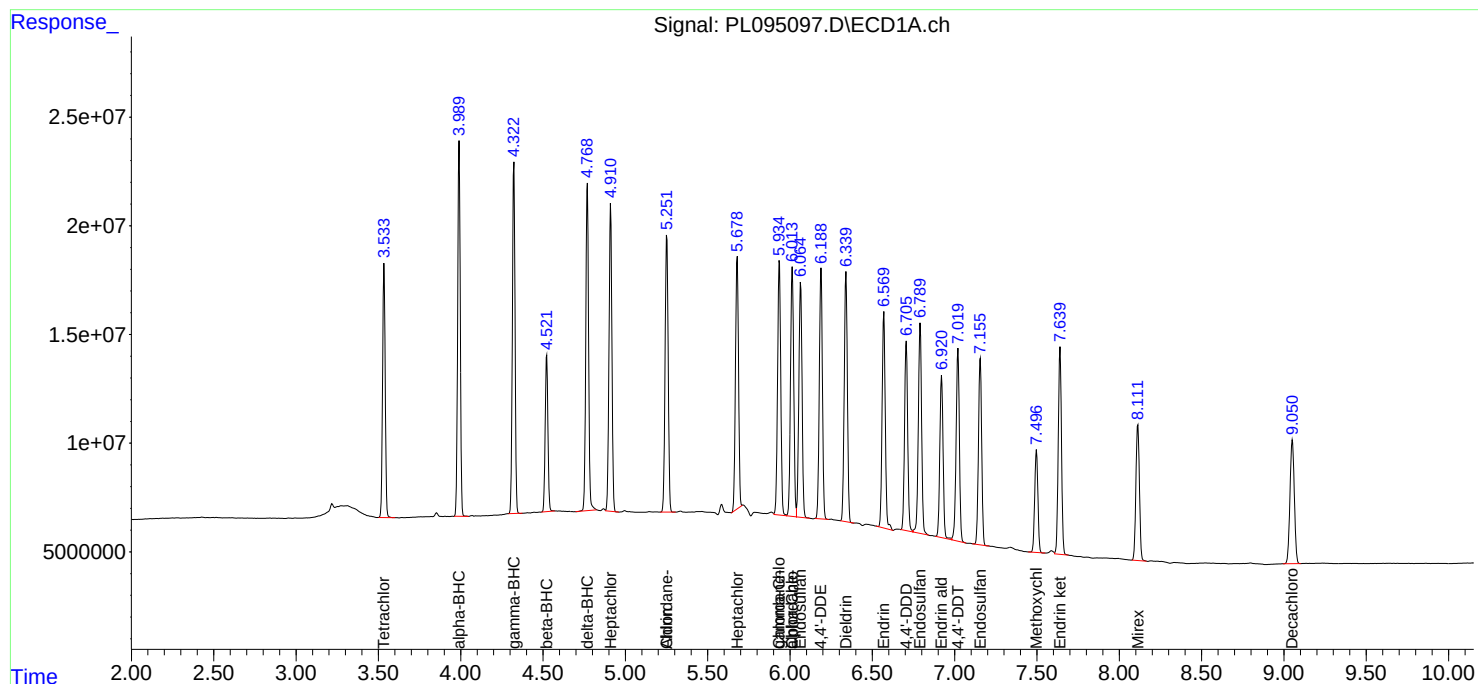
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

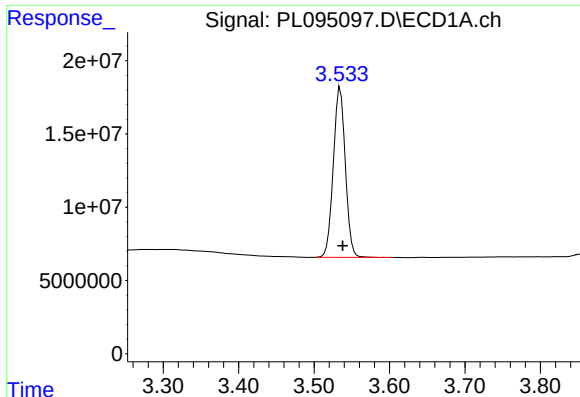
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095097.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:02
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:40:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

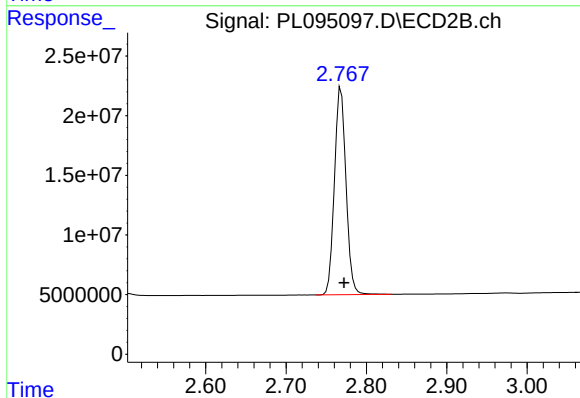




#1 Tetrachloro-m-xylene

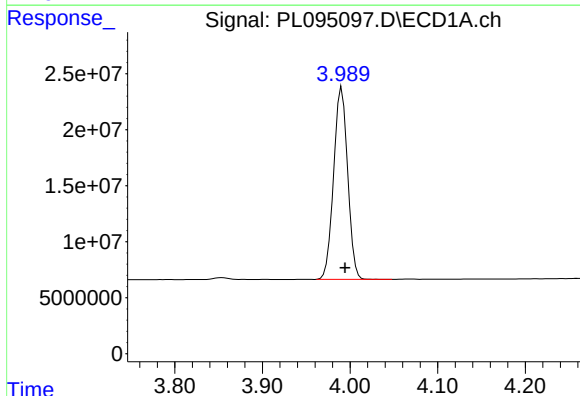
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 128477324
Conc: 45.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



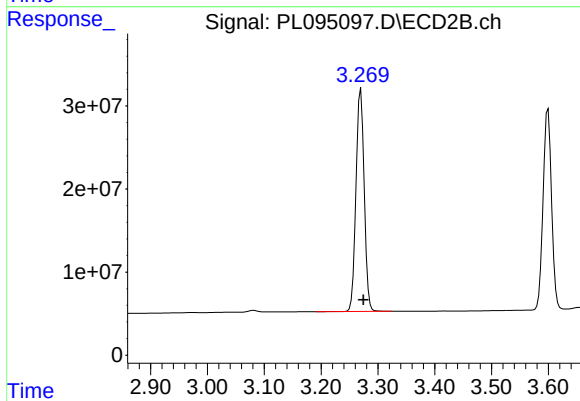
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.003 min
Response: 174227744
Conc: 48.81 ng/ml



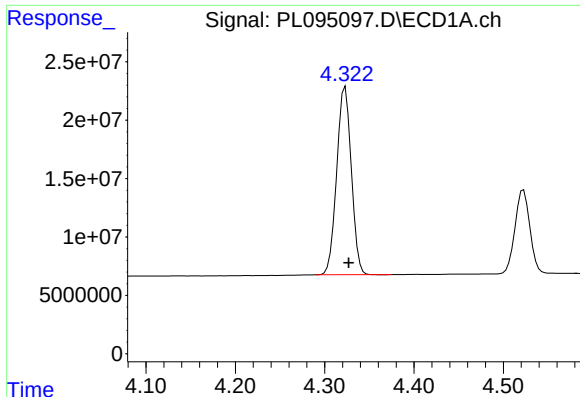
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.004 min
Response: 190810176
Conc: 45.95 ng/ml



#2 alpha-BHC

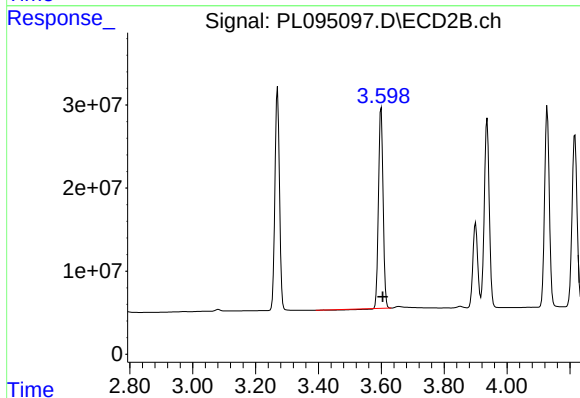
R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 268523513
Conc: 49.81 ng/ml



#3 gamma-BHC (Lindane)

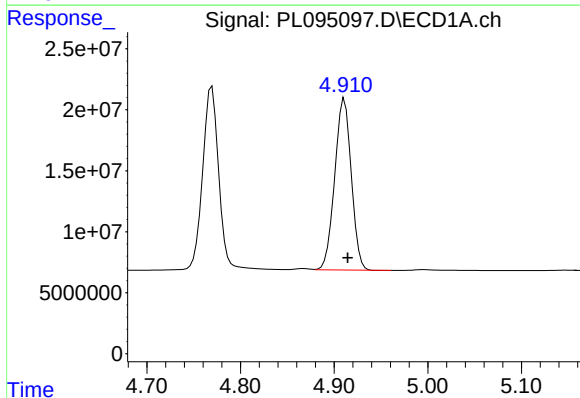
R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 182881746
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



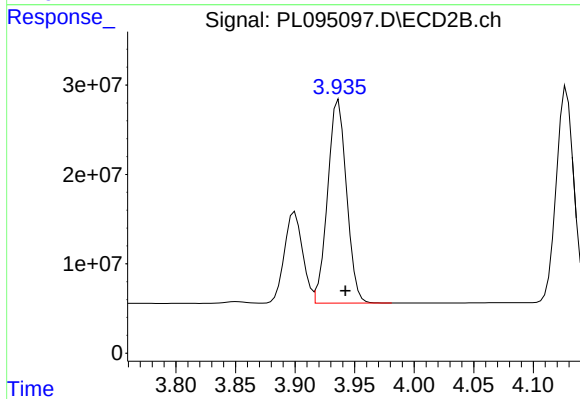
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 244354843
Conc: 47.54 ng/ml



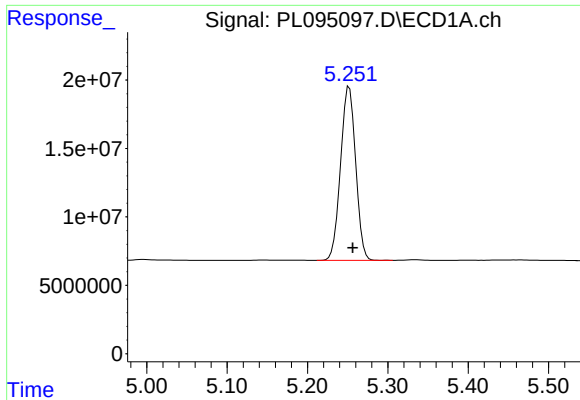
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 172765266
Conc: 44.51 ng/ml



#4 Heptachlor

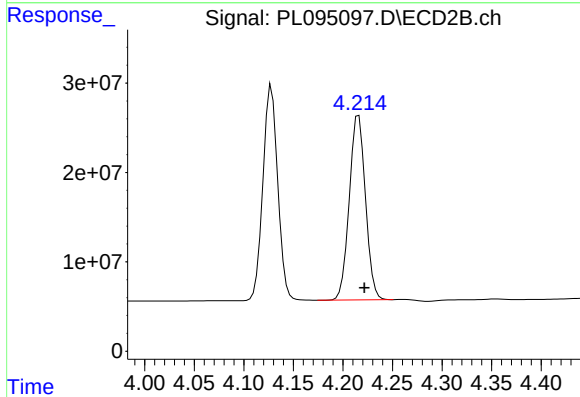
R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 251324239
Conc: 47.70 ng/ml



#5 Aldrin

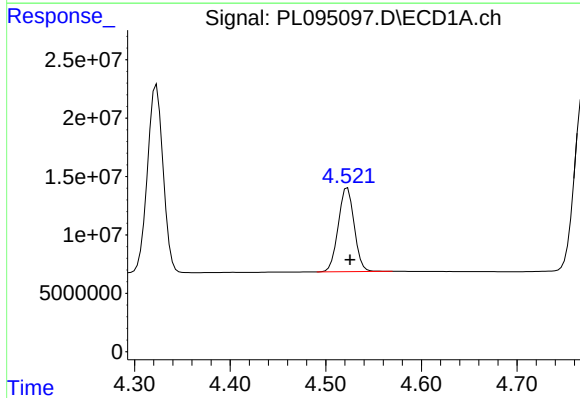
R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 165636134
Conc: 44.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



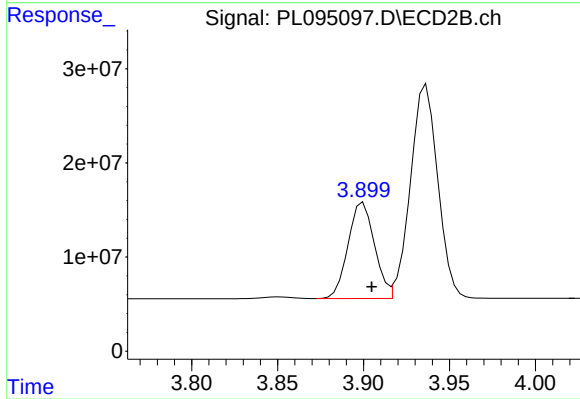
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 234683645
Conc: 48.13 ng/ml



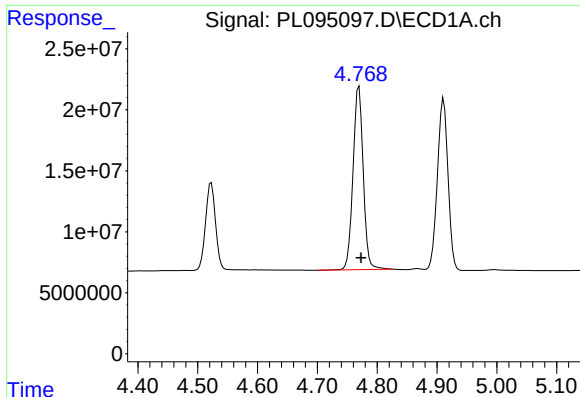
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 83344828
Conc: 45.17 ng/ml



#6 beta-BHC

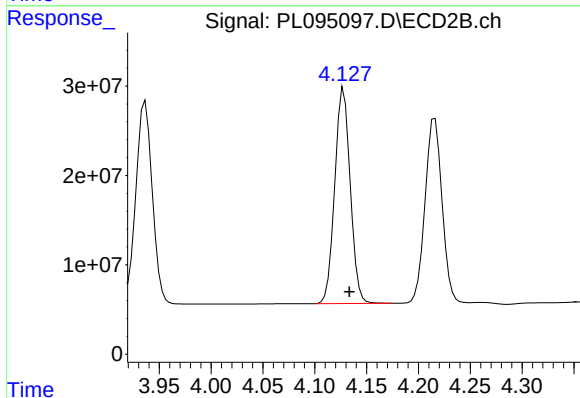
R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 109236185
Conc: 49.18 ng/ml



#7 delta-BHC

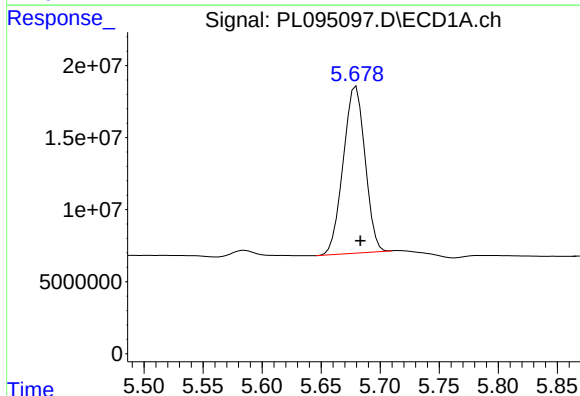
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 178167445
Conc: 45.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



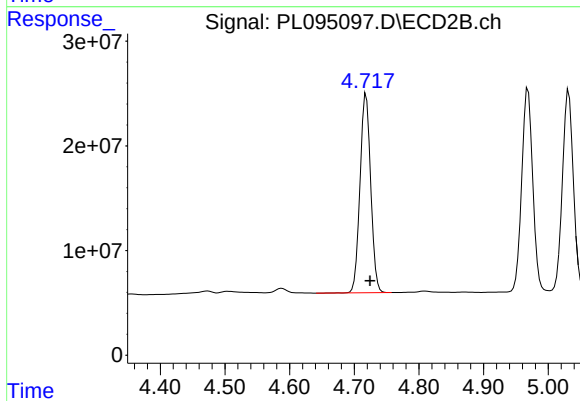
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 250539094
Conc: 50.09 ng/ml



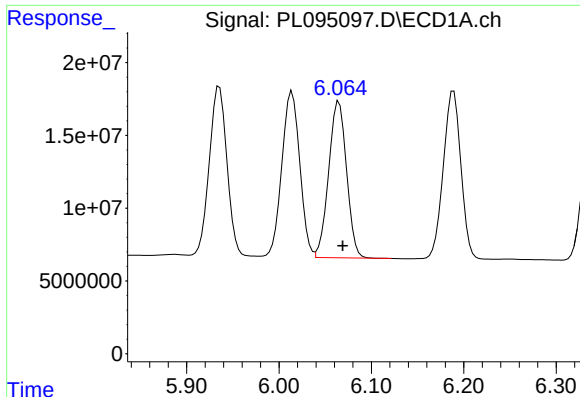
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 148537330
Conc: 44.40 ng/ml



#8 Heptachlor epoxide

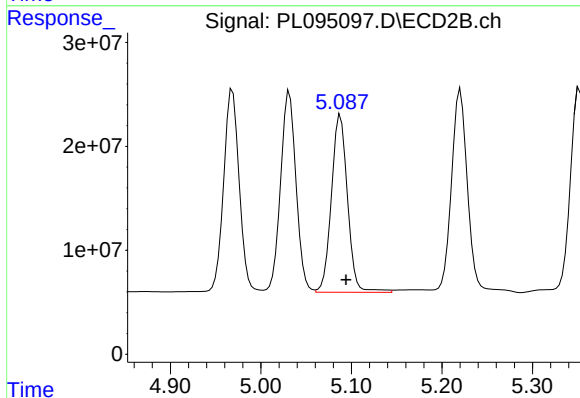
R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 217907031
Conc: 47.59 ng/ml



#9 Endosulfan I

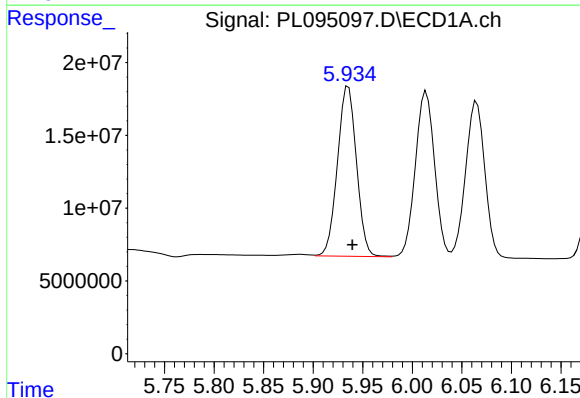
R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 144811548
Conc: 47.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



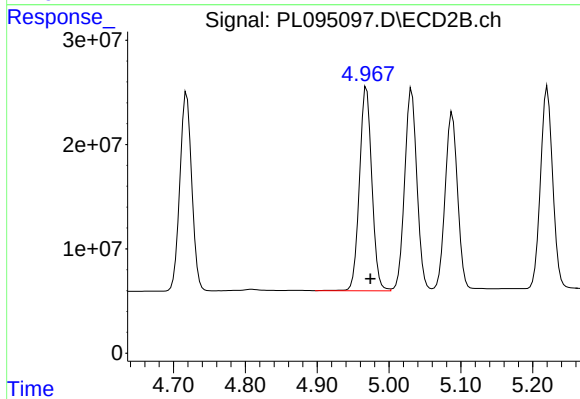
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 211558762
Conc: 48.20 ng/ml



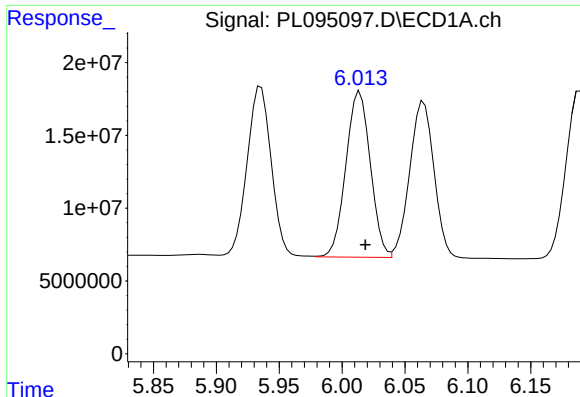
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156162197
Conc: 46.35 ng/ml



#10 gamma-Chlordane

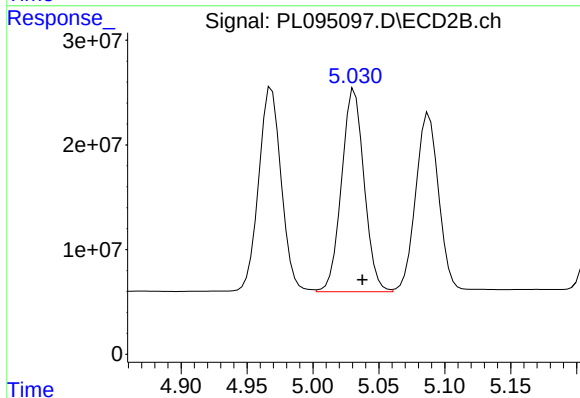
R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 233229864
Conc: 48.30 ng/ml



#11 alpha-Chlordane

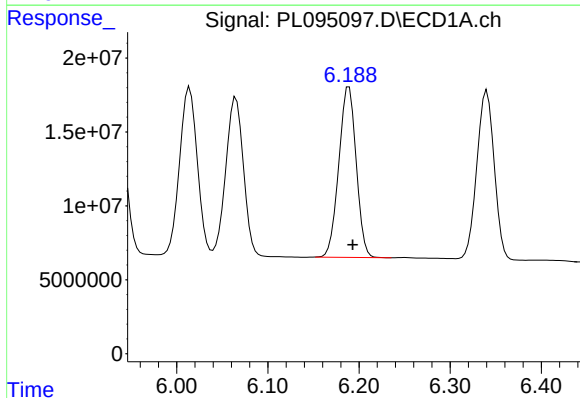
R.T.: 6.014 min
Delta R.T.: -0.004 min
Response: 154353262
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



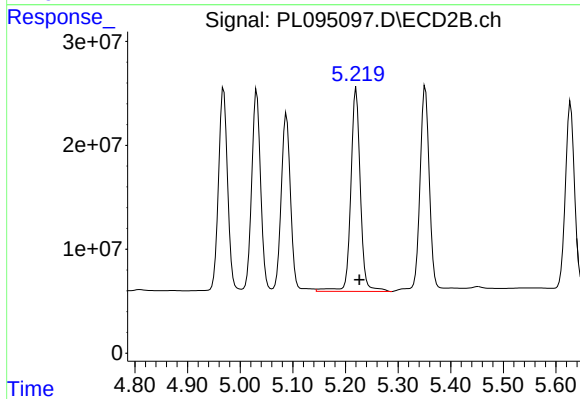
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 230333888
Conc: 48.26 ng/ml



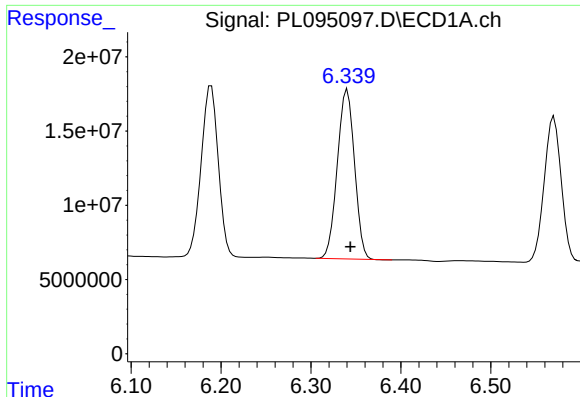
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 152799343
Conc: 51.94 ng/ml



#12 4,4'-DDE

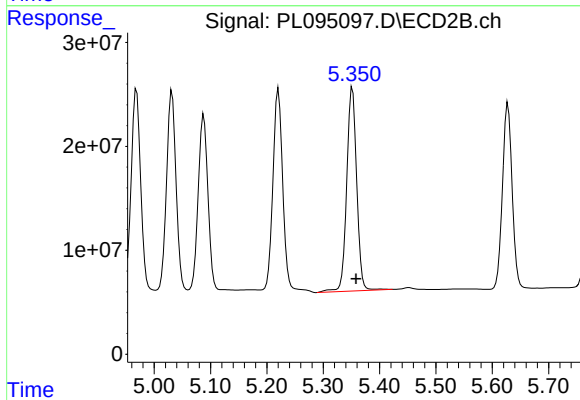
R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 249506234
Conc: 53.67 ng/ml



#13 Dieldrin

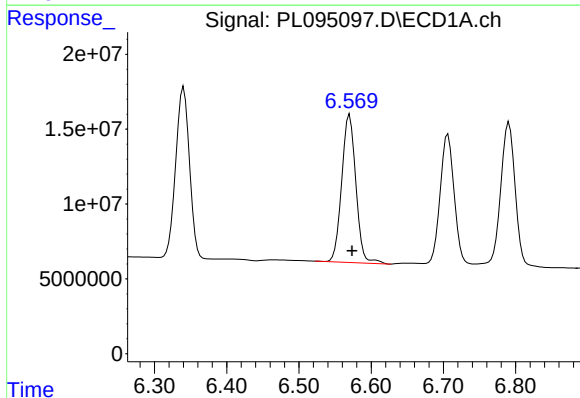
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 151282419
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



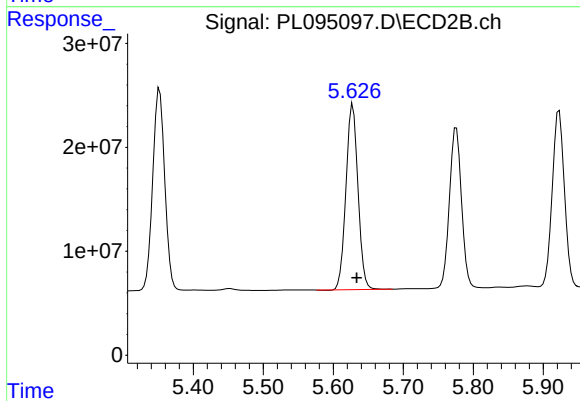
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 241295867
Conc: 49.73 ng/ml



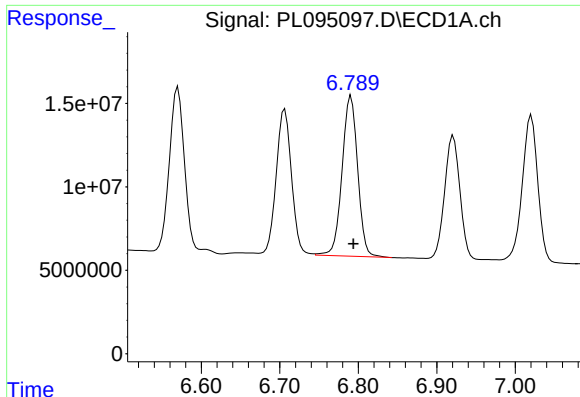
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 134137940
Conc: 48.39 ng/ml



#14 Endrin

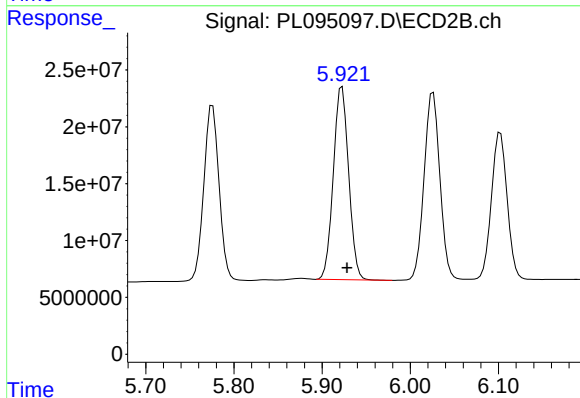
R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 212675789
Conc: 48.74 ng/ml



#15 Endosulfan II

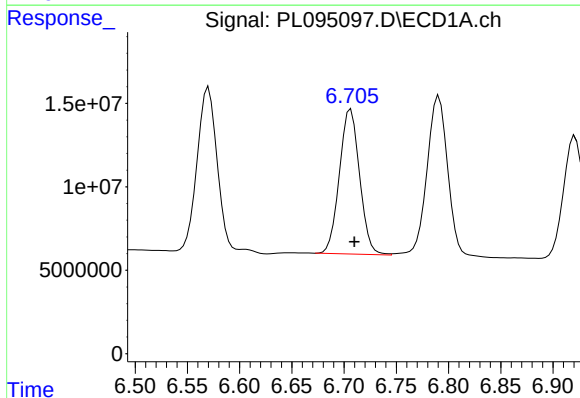
R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 132784604
Conc: 48.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



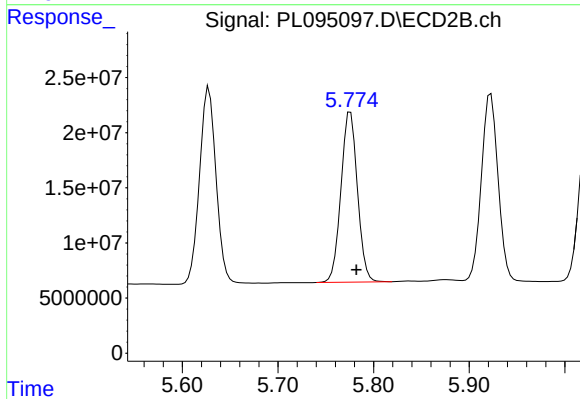
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.006 min
Response: 205106771
Conc: 47.39 ng/ml



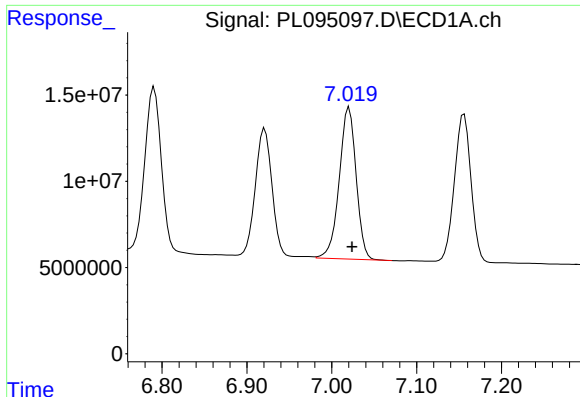
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.003 min
Response: 116616974
Conc: 53.84 ng/ml



#16 4,4'-DDD

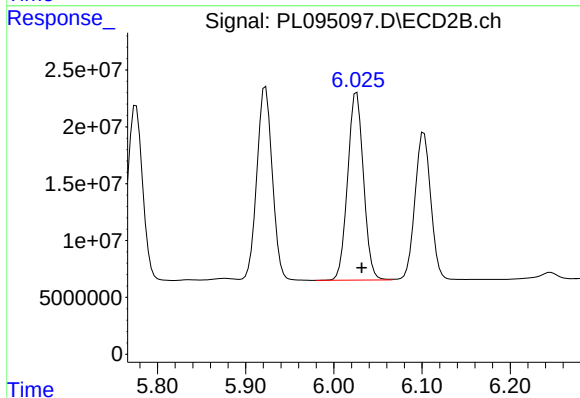
R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 185352543
Conc: 51.55 ng/ml



#17 4,4'-DDT

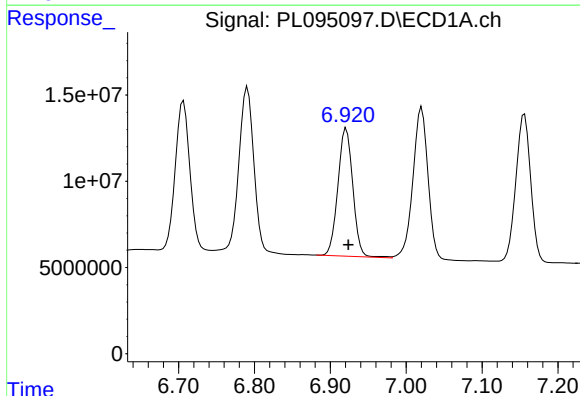
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 121491714
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



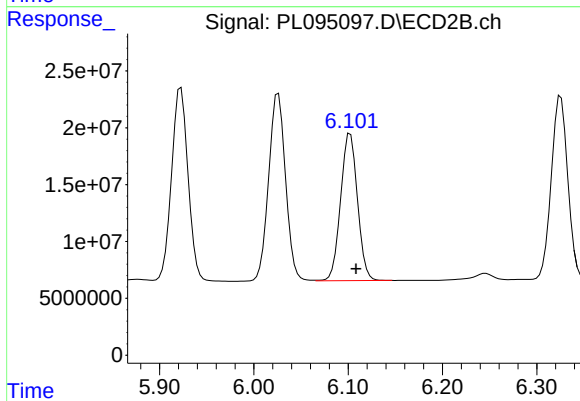
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 205632978
Conc: 51.00 ng/ml



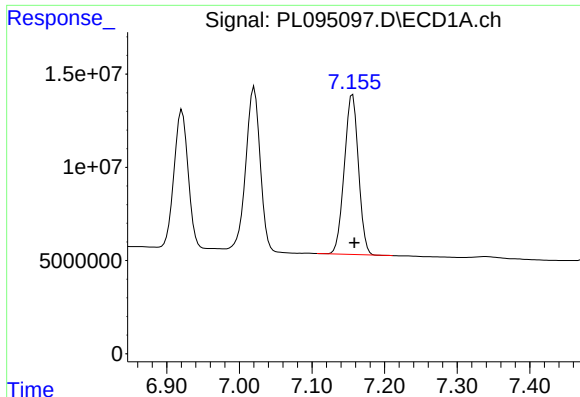
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 101671646
Conc: 48.16 ng/ml



#18 Endrin aldehyde

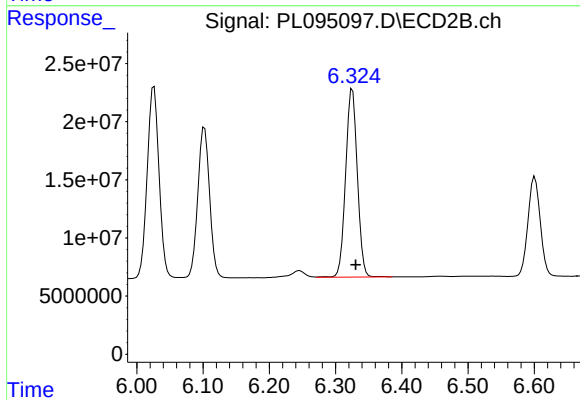
R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 160991480
Conc: 47.84 ng/ml



#19 Endosulfan Sulfate

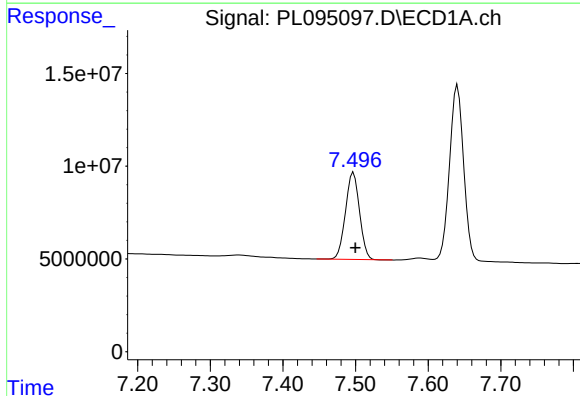
R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 116130130
Conc: 47.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



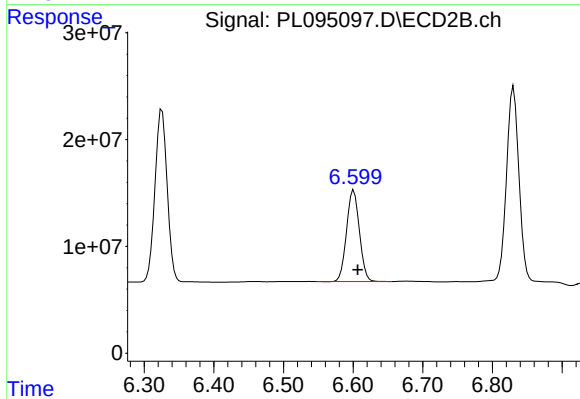
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 198718510
Conc: 48.78 ng/ml



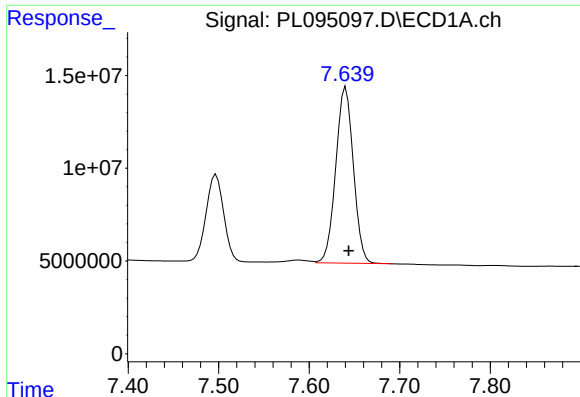
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 63089642
Conc: 52.70 ng/ml



#20 Methoxychlor

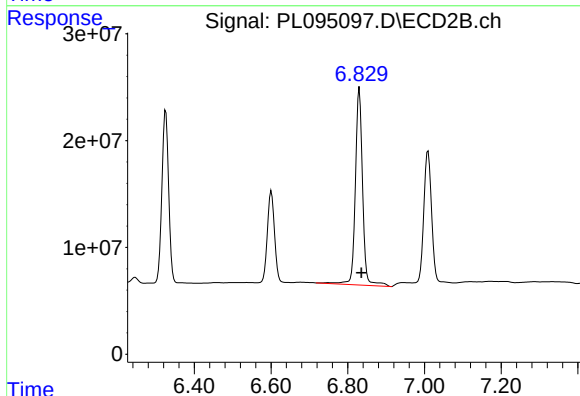
R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 110084536
Conc: 51.90 ng/ml



#21 Endrin ketone

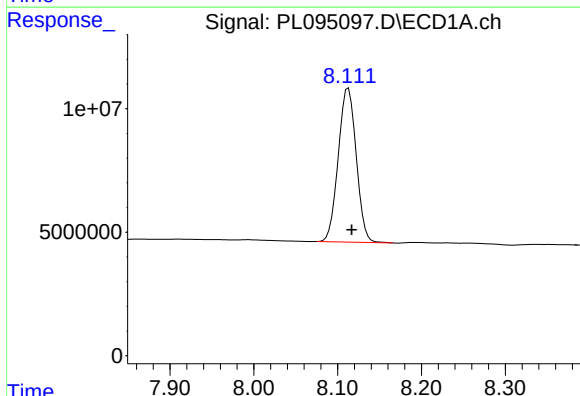
R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 128086605
Conc: 48.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



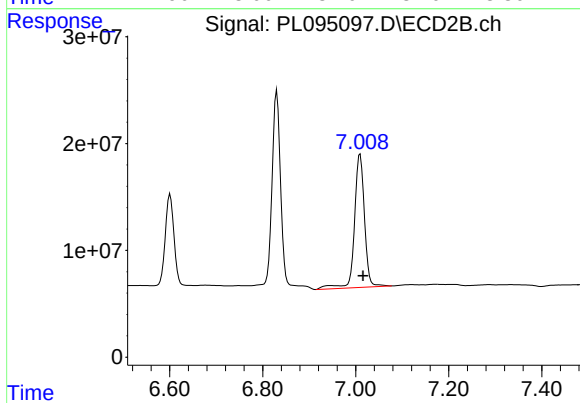
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 246066670
Conc: 51.56 ng/ml



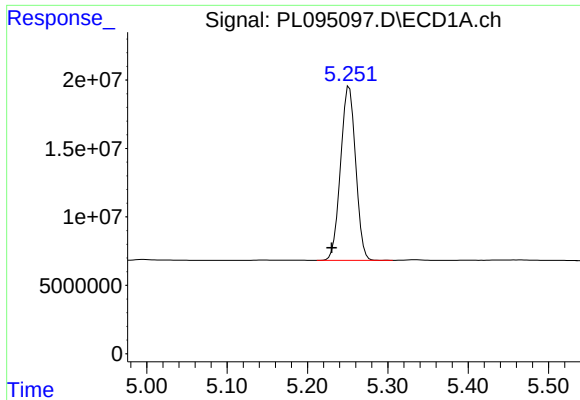
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 93002462
Conc: 45.01 ng/ml



#22 Mirex

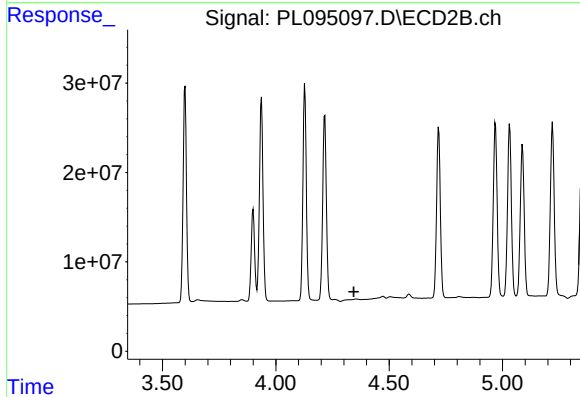
R.T.: 7.009 min
Delta R.T.: -0.006 min
Response: 188039670
Conc: 49.55 ng/ml



#24 Chlordane-2

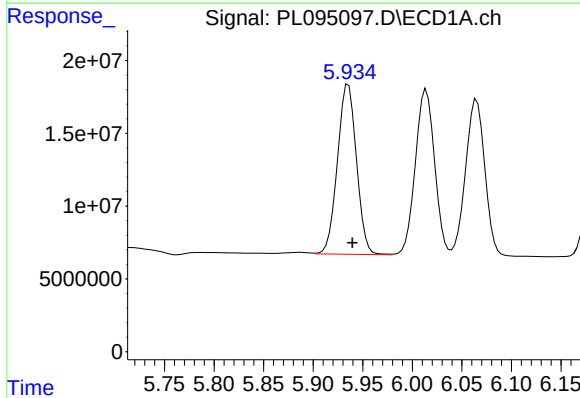
R.T.: 5.252 min
Delta R.T.: 0.022 min
Response: 165636134
Conc: 1094.72 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



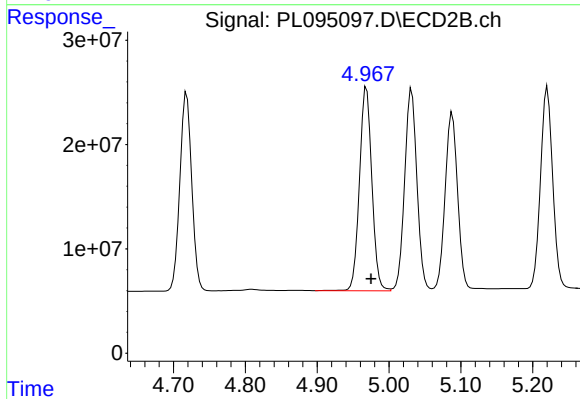
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



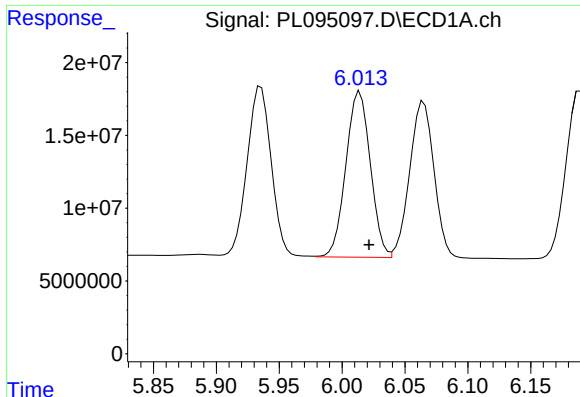
#25 Chlordane-3

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156162197
Conc: 312.44 ng/ml



#25 Chlordane-3

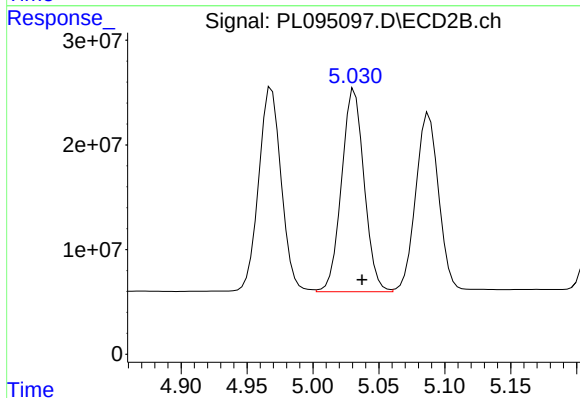
R.T.: 4.969 min
Delta R.T.: -0.006 min
Response: 233229864
Conc: 438.40 ng/ml



#26 Chlordane-4

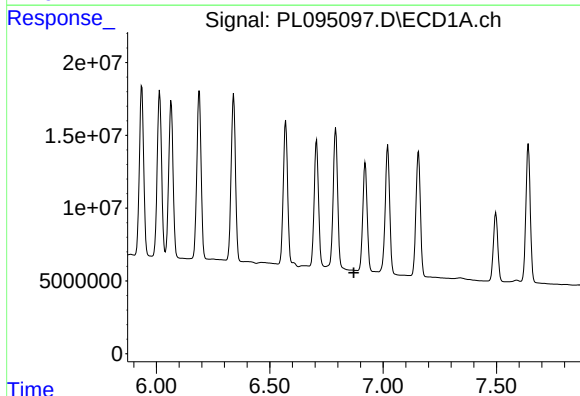
R.T.: 6.014 min
Delta R.T.: -0.007 min
Response: 154353262
Conc: 262.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



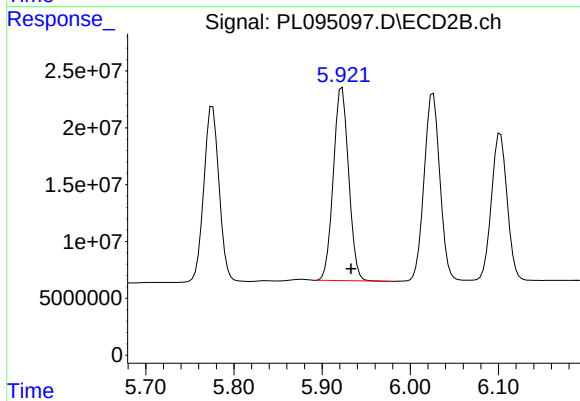
#26 Chlordane-4

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 230333888
Conc: 442.47 ng/ml



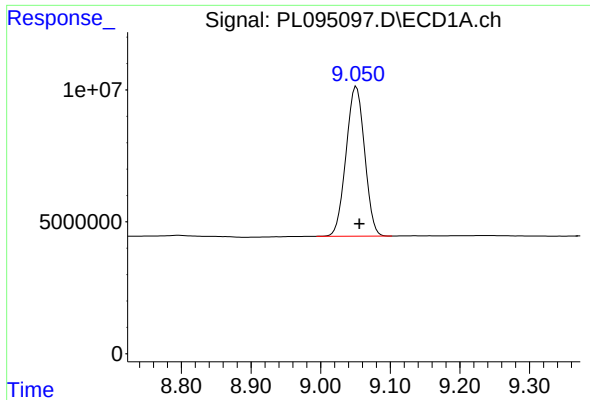
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

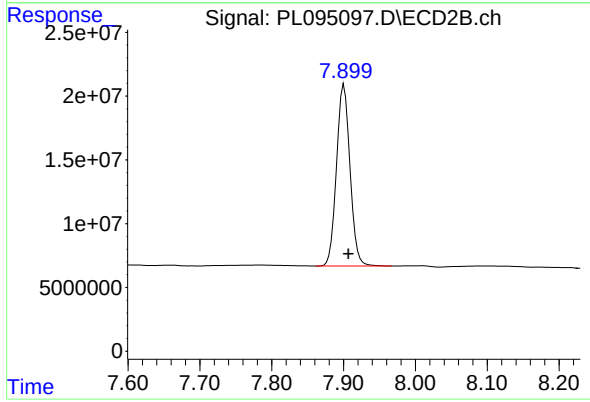
R.T.: 5.923 min
Delta R.T.: -0.010 min
Response: 205106771
Conc: 1069.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 105088905
Conc: 49.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 185961370
Conc: 46.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:17
Operator : AR\AJ
Sample : Q1730-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	92577505	68101893	32.705	19.080 #
28)	SA Decachlor...	9.051	7.901	45159203	77232750	21.428	19.120

Target Compounds

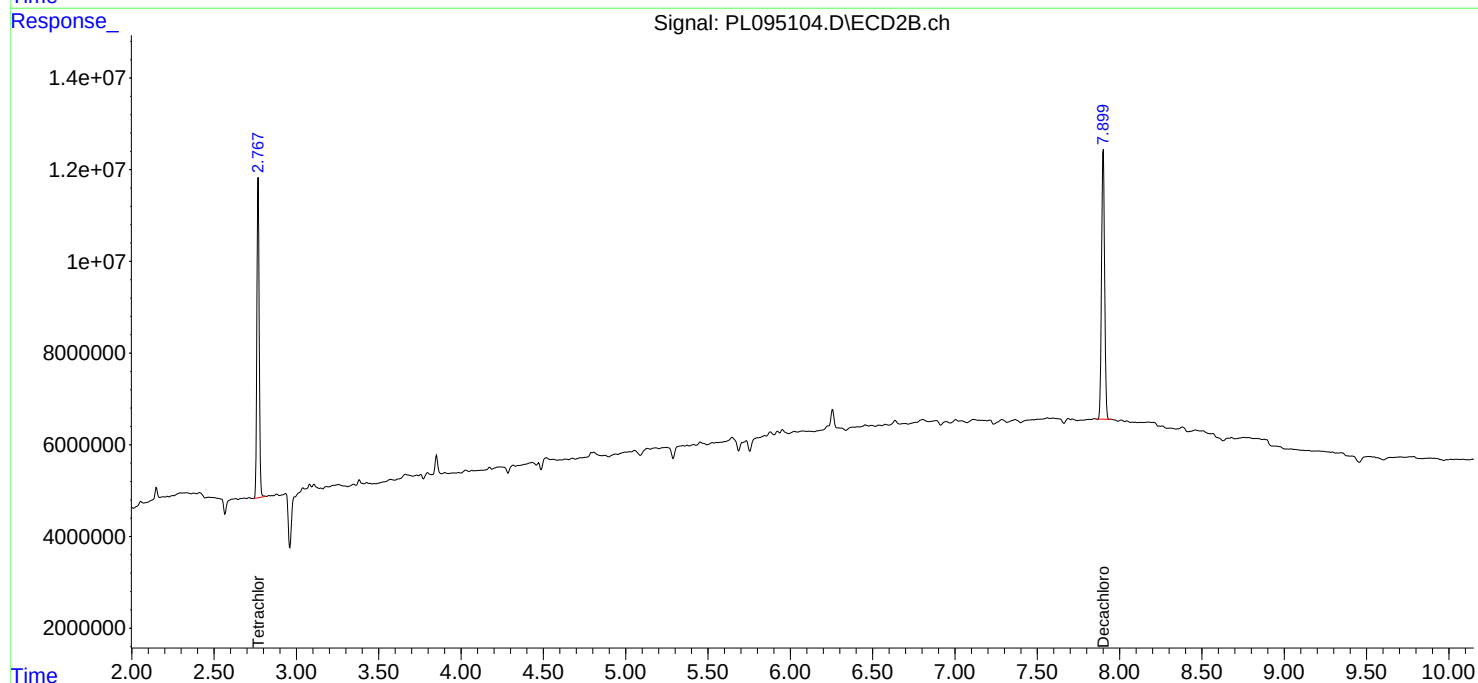
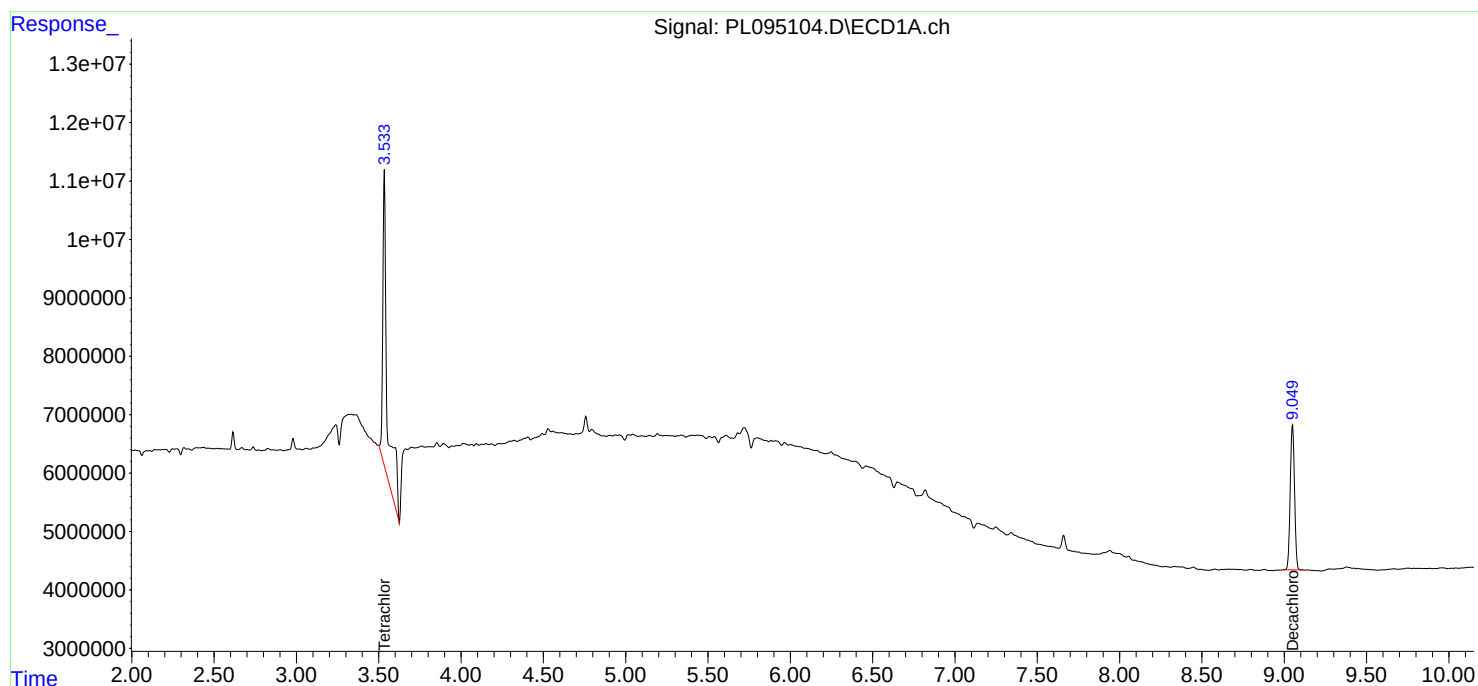
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

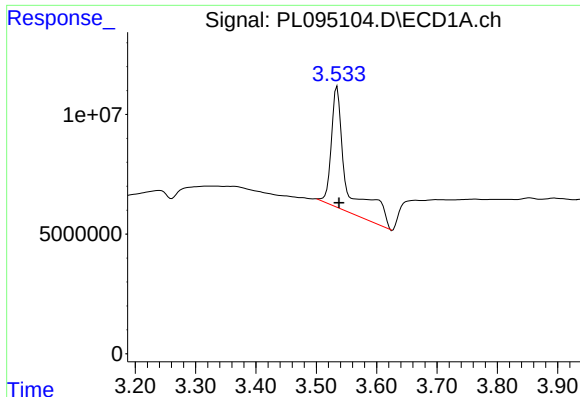
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:17
Operator : AR\AJ
Sample : Q1730-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

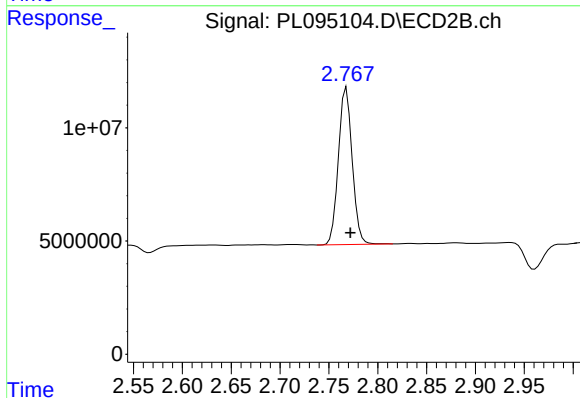




#1 Tetrachloro-m-xylene

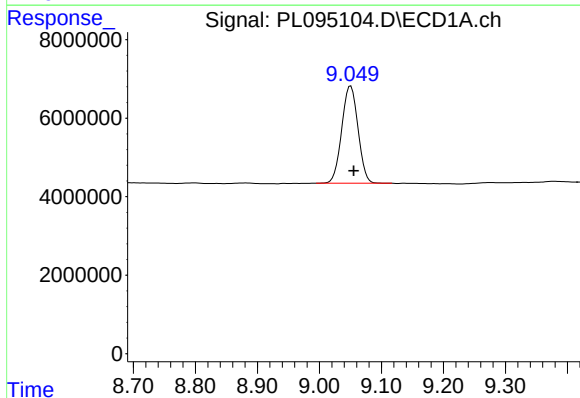
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 92577505
Conc: 32.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325



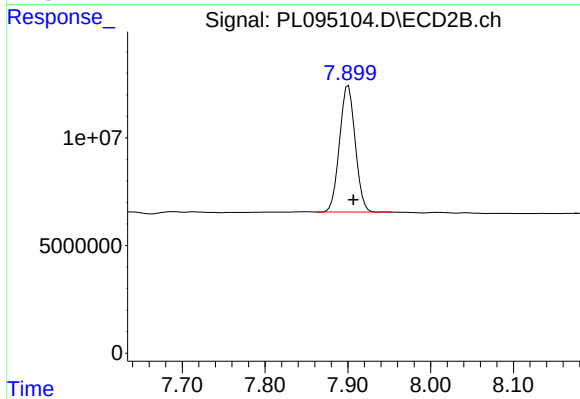
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 68101893
Conc: 19.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 45159203
Conc: 21.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 77232750
Conc: 19.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095105.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 13:30
 Operator : AR\AJ
 Sample : Q1730-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-15-040325MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.768	82856763	61086936	29.271	17.115 #
28)	SA Decachlor...	9.050	7.900	41113030	71161215	19.508	17.617
Target Compounds							
2)	A alpha-BHC	3.991	3.269	185.9E6	275.4E6	44.762	51.082
3)	MA gamma-BHC...	4.324	3.599	177.8E6	254.1E6	44.555	49.441
4)	MA Heptachlor	4.911	3.936	172.1E6	252.1E6	44.345	47.845
5)	MB Aldrin	5.253	4.215	164.5E6	231.7E6	44.559	47.514
6)	B beta-BHC	4.523	3.899	82395706	110.5E6	44.654	49.744
7)	B delta-BHC	4.769	4.127	173.6E6	233.4E6	44.584	46.667
8)	B Heptachlo...	5.679	4.718	151.4E6	218.5E6	45.264	47.716
9)	A Endosulfan I	6.065	5.088	146.9E6	205.9E6	47.834	46.918
10)	B gamma-Chl...	5.936	4.968	156.6E6	231.8E6	46.487	48.001
11)	B alpha-Chl...	6.015	5.031	156.2E6	227.2E6	47.378	47.600
12)	B 4,4'-DDE	6.189	5.220	155.2E6	236.0E6	52.745	50.767
13)	MA Dieldrin	6.340	5.352	156.0E6	234.9E6	48.776	48.418
14)	MA Endrin	6.570	5.627	139.4E6	254.2E6	50.282	58.257
15)	B Endosulfa...	6.791	5.923	135.6E6	209.5E6	49.946	48.402
16)	A 4,4'-DDD	6.707	5.775	126.0E6	183.8E6	58.162	51.109
17)	MA 4,4'-DDT	7.020	6.025	125.2E6	208.1E6	52.657	51.622
18)	B Endrin al...	6.921	6.102	101.4E6	160.1E6	48.027	47.570
19)	B Endosulfa...	7.156	6.325	120.4E6	201.2E6	49.505	49.392
20)	A Methoxychlor	7.498	6.601	66177433	115.3E6	55.283	54.358
21)	B Endrin ke...	7.641	6.830	134.0E6	246.2E6	50.680	51.580
22)	Mirex	8.113	7.010	96682930	183.7E6	46.791	48.391
24)	Chlordane-2	5.253f	0.000	164.5E6	0	1087.362	N.D. #
25)	Chlordane-3	5.936	4.968	156.6E6	231.8E6	313.377	435.659 #
26)	Chlordane-4	6.015	5.031	156.2E6	227.2E6	265.148	436.419 #
27)	Chlordane-5	0.000	5.923	0	209.5E6	N.D.	1092.053 #

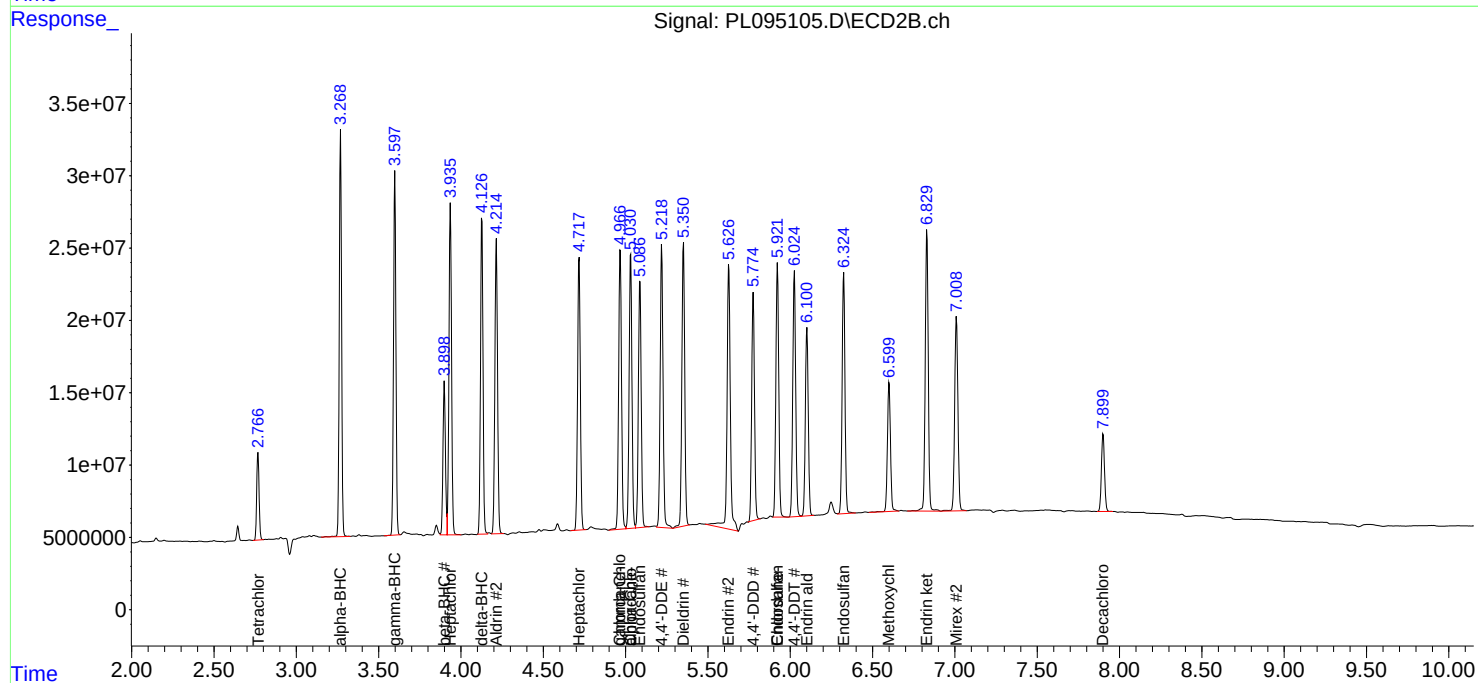
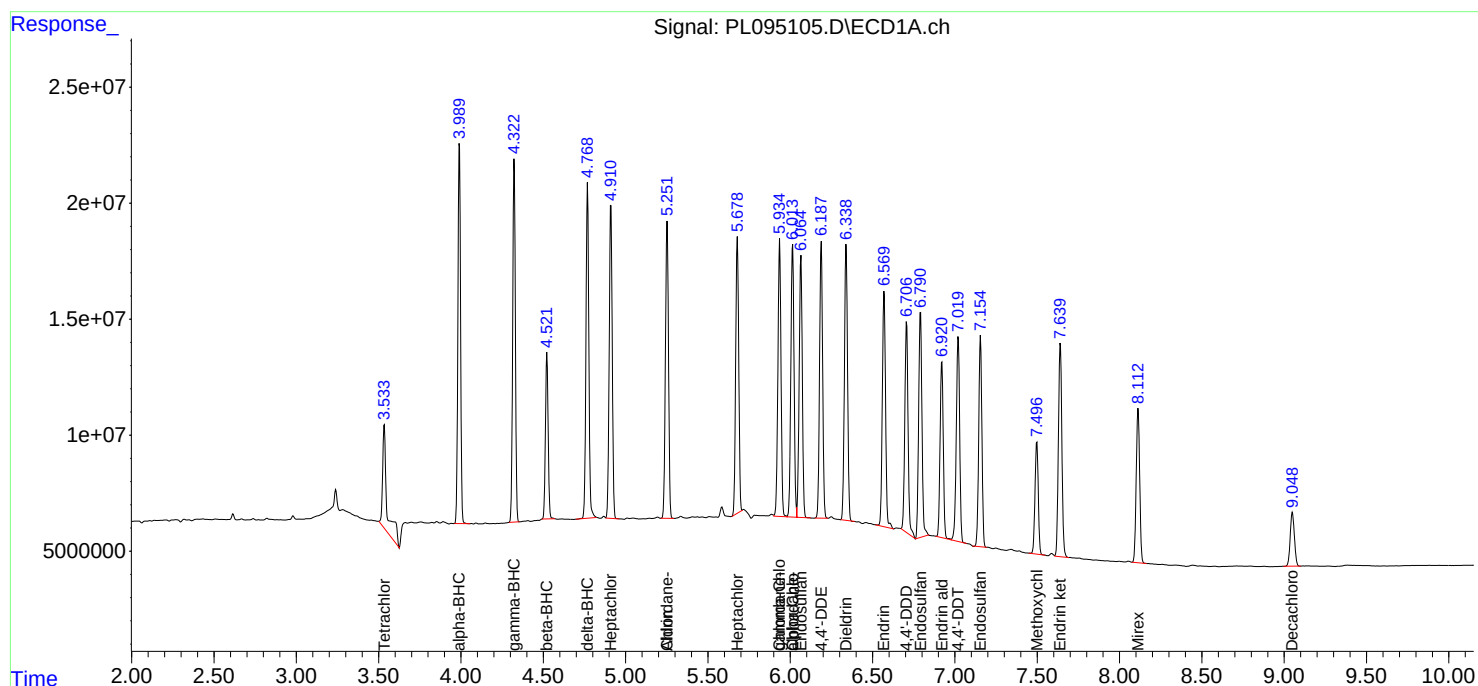
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

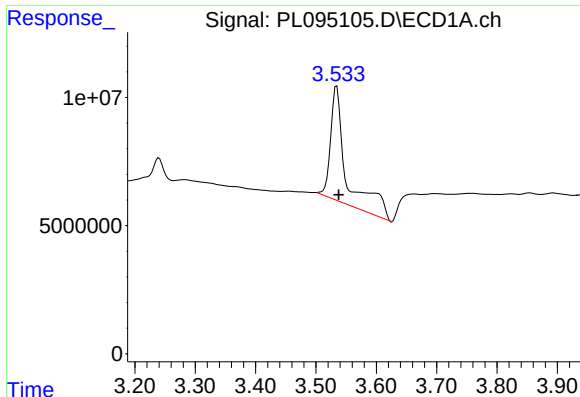
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:30
Operator : AR\AJ
Sample : Q1730-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

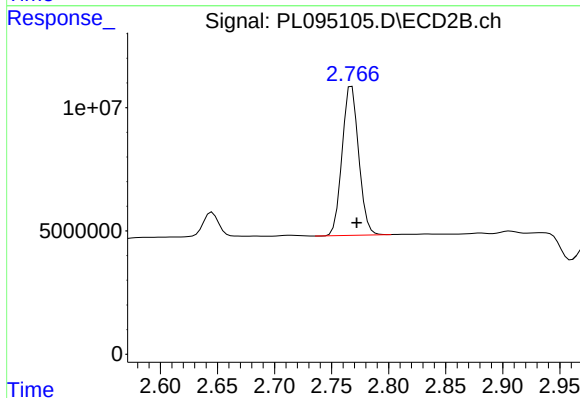




#1 Tetrachloro-m-xylene

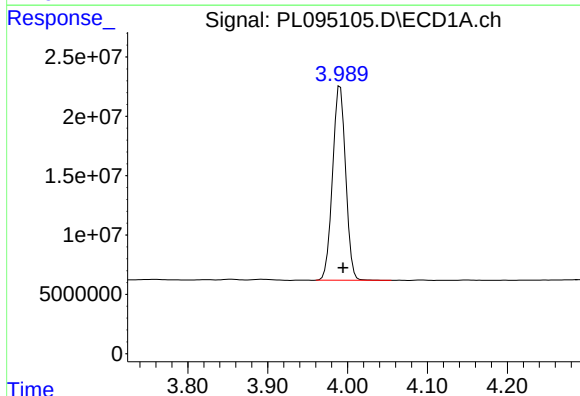
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 82856763
Conc: 29.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



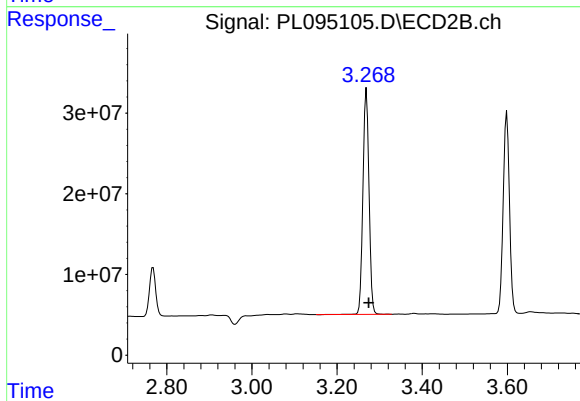
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 61086936
Conc: 17.11 ng/ml



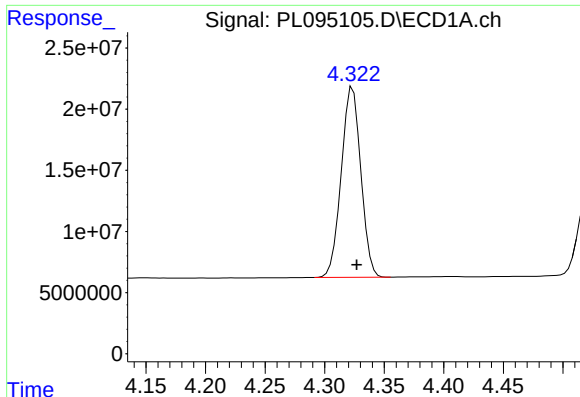
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 185866284
Conc: 44.76 ng/ml



#2 alpha-BHC

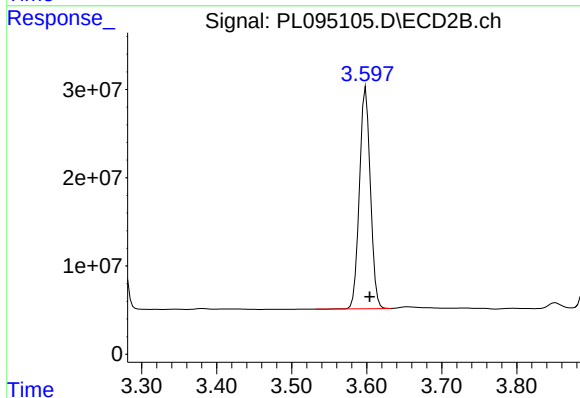
R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 275403013
Conc: 51.08 ng/ml



#3 gamma-BHC (Lindane)

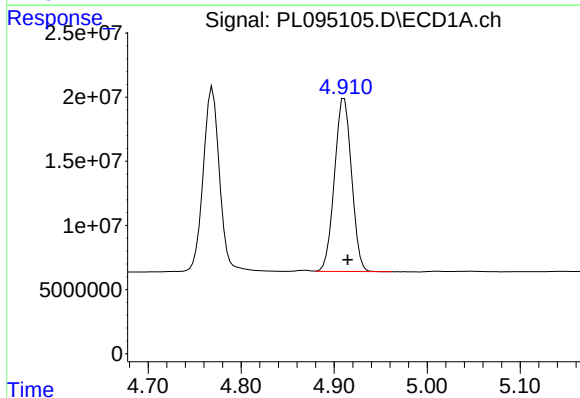
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 177787553
Conc: 44.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



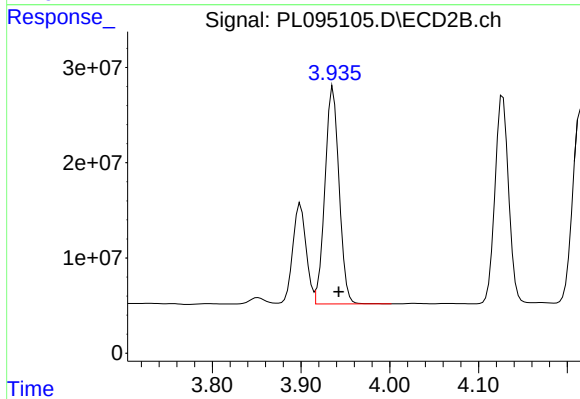
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.006 min
Response: 254098428
Conc: 49.44 ng/ml



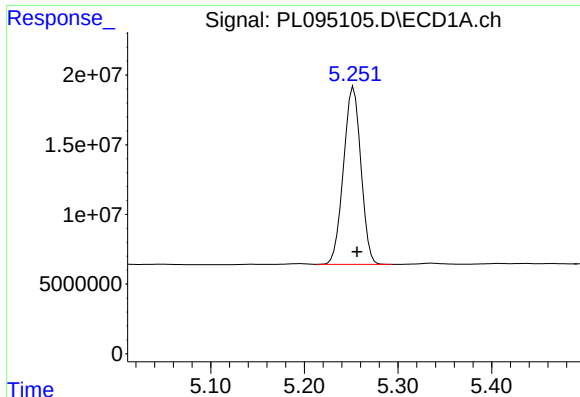
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 172129270
Conc: 44.34 ng/ml



#4 Heptachlor

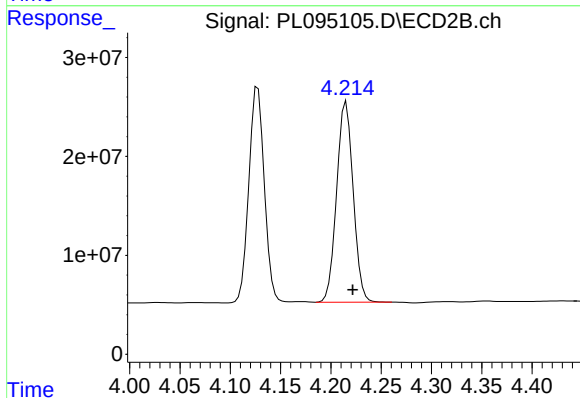
R.T.: 3.936 min
Delta R.T.: -0.006 min
Response: 252076787
Conc: 47.84 ng/ml



#5 Aldrin

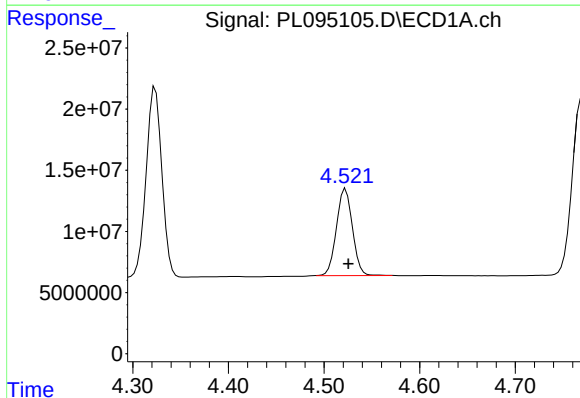
R.T.: 5.253 min
Delta R.T.: -0.004 min
Response: 164523485
Conc: 44.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



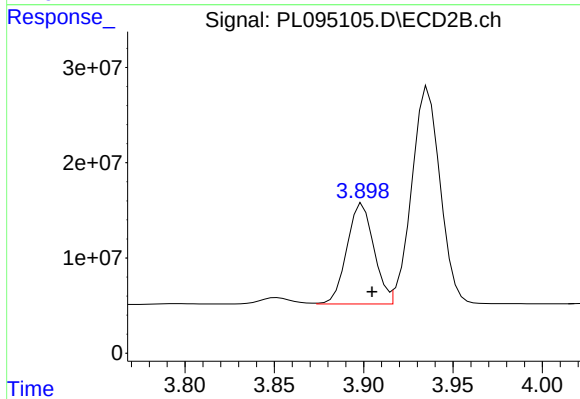
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.006 min
Response: 231695229
Conc: 47.51 ng/ml



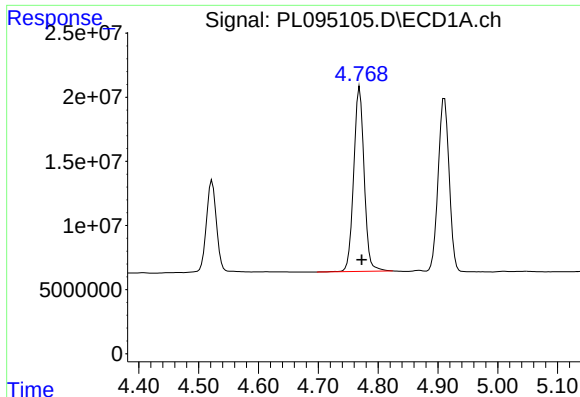
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 82395706
Conc: 44.65 ng/ml



#6 beta-BHC

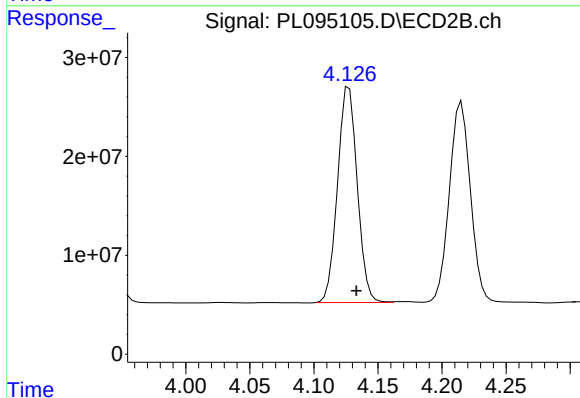
R.T.: 3.899 min
Delta R.T.: -0.005 min
Response: 110496375
Conc: 49.74 ng/ml



#7 delta-BHC

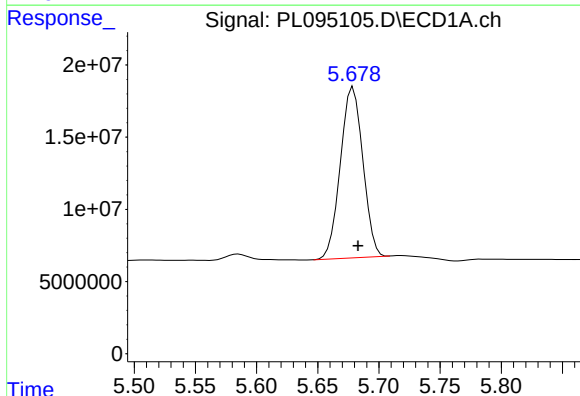
R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 173623019
Conc: 44.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



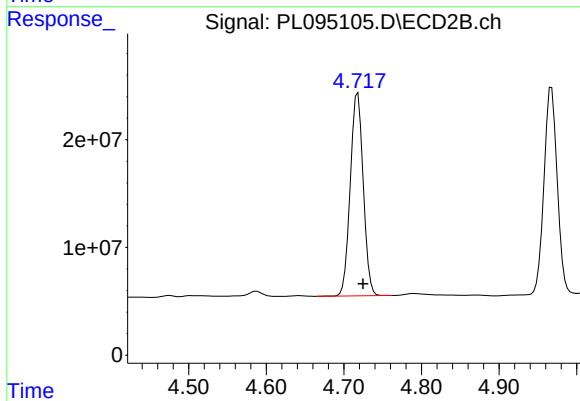
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: -0.006 min
Response: 233428814
Conc: 46.67 ng/ml



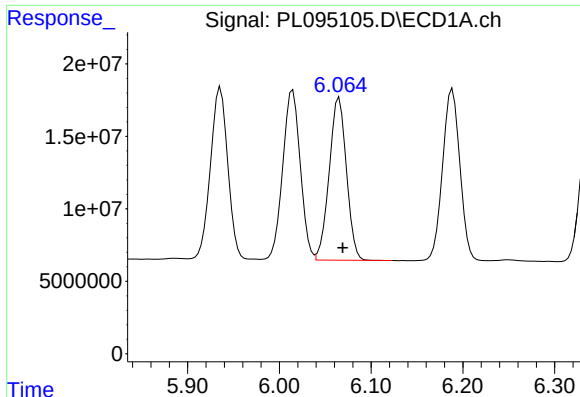
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 151415785
Conc: 45.26 ng/ml



#8 Heptachlor epoxide

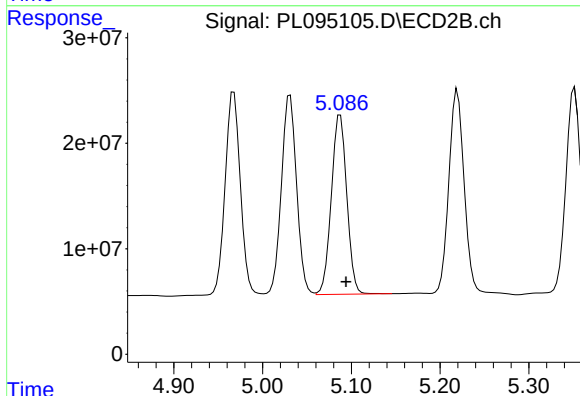
R.T.: 4.718 min
Delta R.T.: -0.007 min
Response: 218473304
Conc: 47.72 ng/ml



#9 Endosulfan I

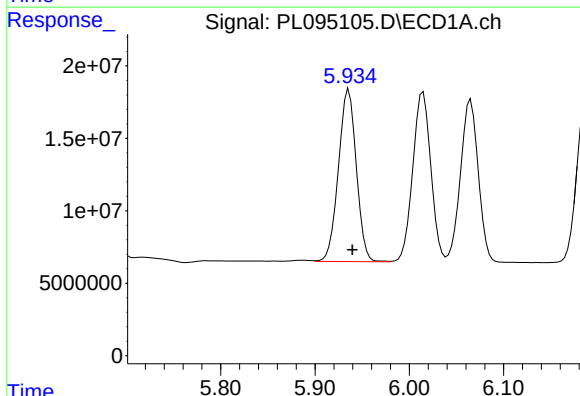
R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 146859670
Conc: 47.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



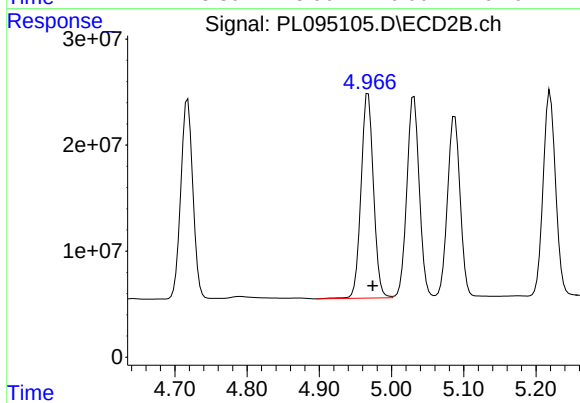
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 205909918
Conc: 46.92 ng/ml



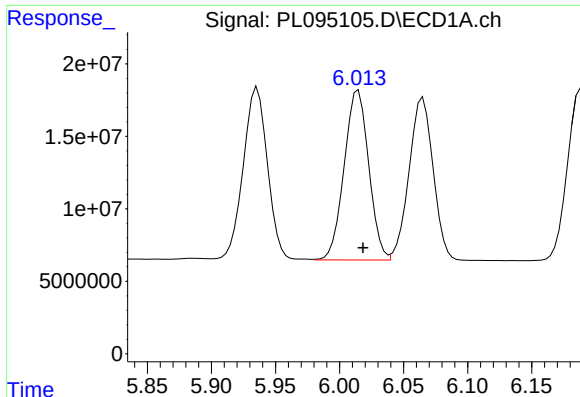
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156632125
Conc: 46.49 ng/ml



#10 gamma-Chlordane

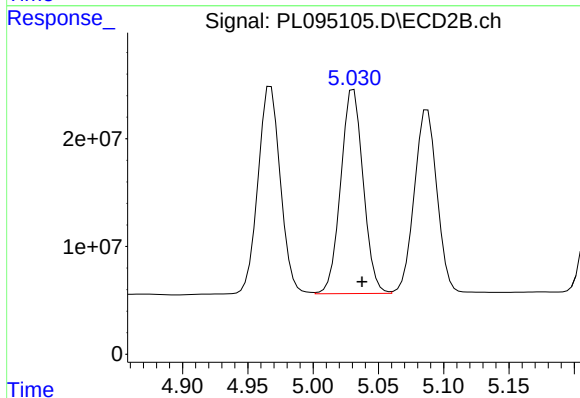
R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 231769879
Conc: 48.00 ng/ml



#11 alpha-Chlordane

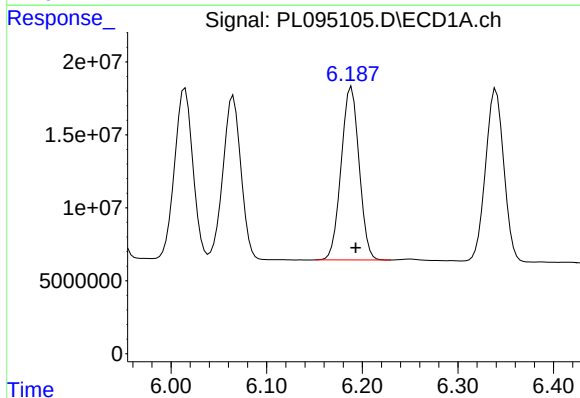
R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 156197054
Conc: 47.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



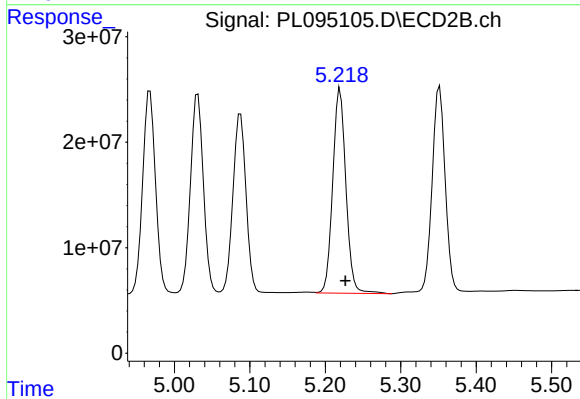
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.007 min
Response: 227182534
Conc: 47.60 ng/ml



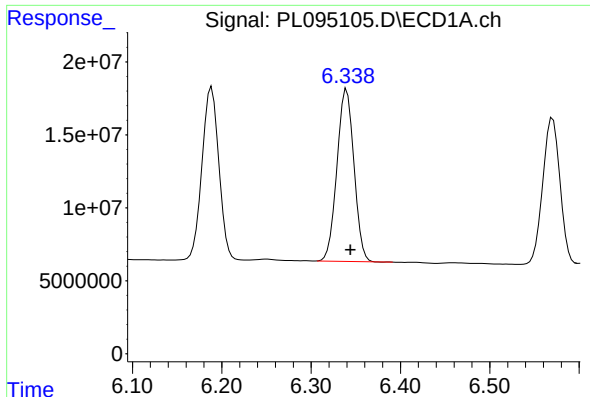
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 155178105
Conc: 52.74 ng/ml



#12 4,4'-DDE

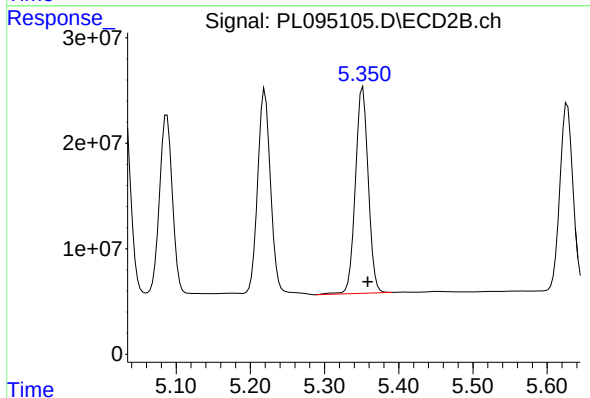
R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 235991990
Conc: 50.77 ng/ml



#13 Dieldrin

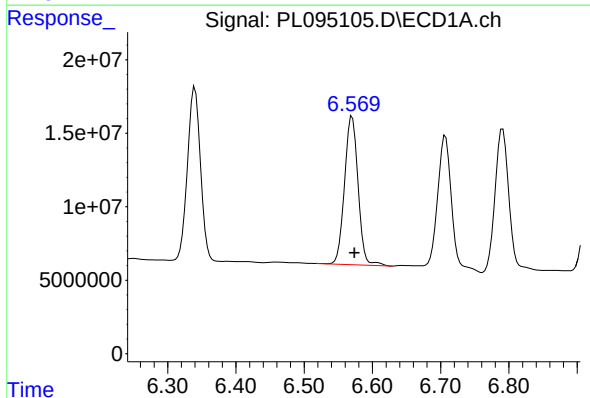
R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 155993001
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



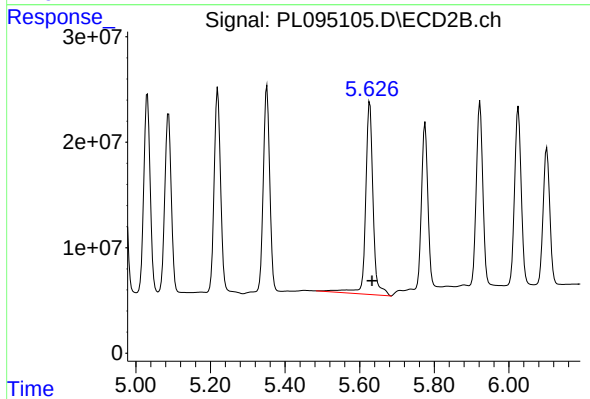
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.007 min
Response: 234913802
Conc: 48.42 ng/ml



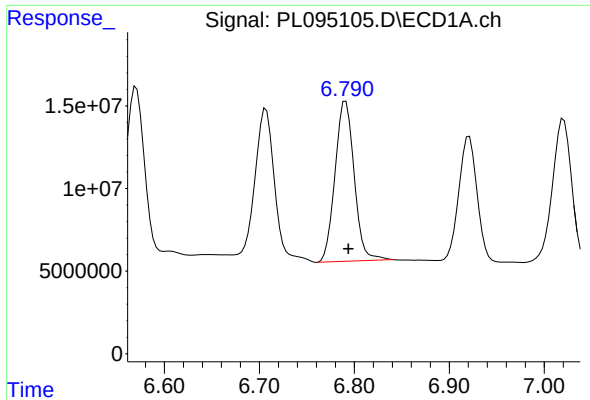
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 139386259
Conc: 50.28 ng/ml



#14 Endrin

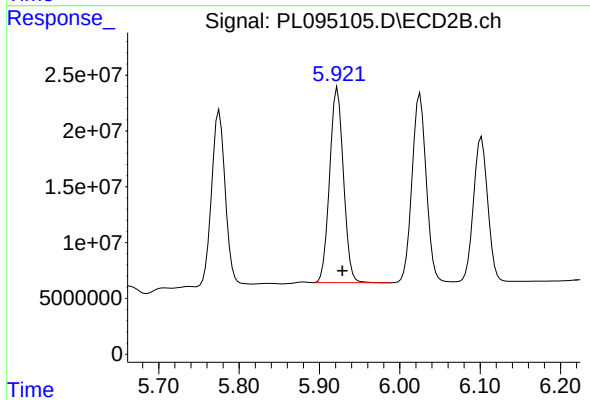
R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 254212493
Conc: 58.26 ng/ml



#15 Endosulfan II

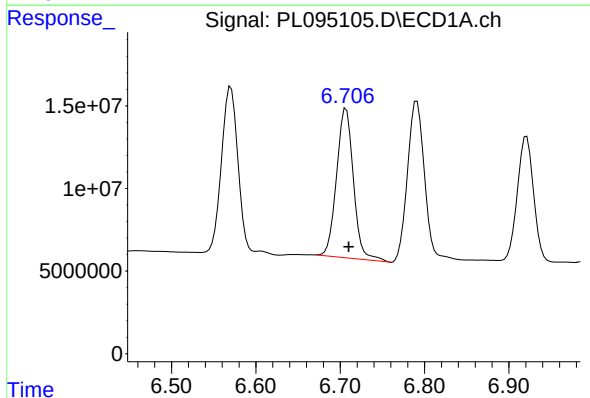
R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 135590625
Conc: 49.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



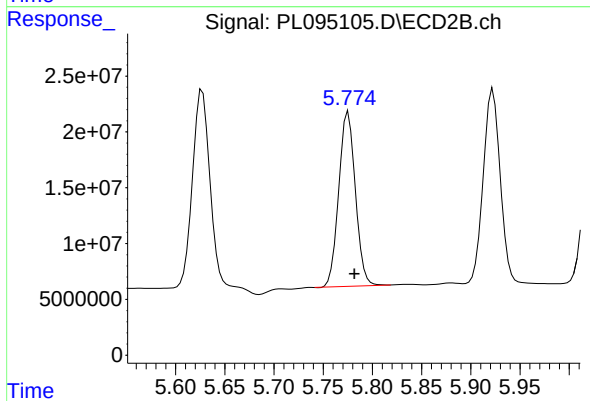
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.006 min
Response: 209495102
Conc: 48.40 ng/ml



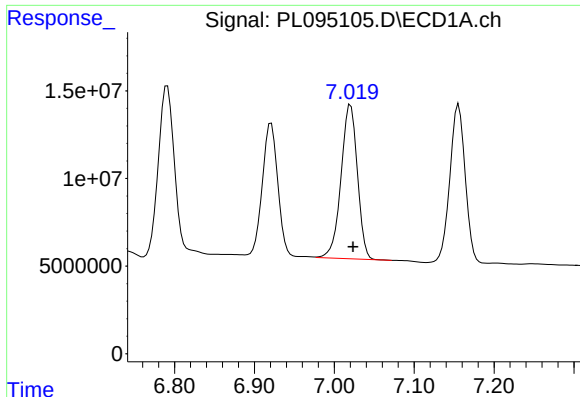
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 125982991
Conc: 58.16 ng/ml



#16 4,4'-DDD

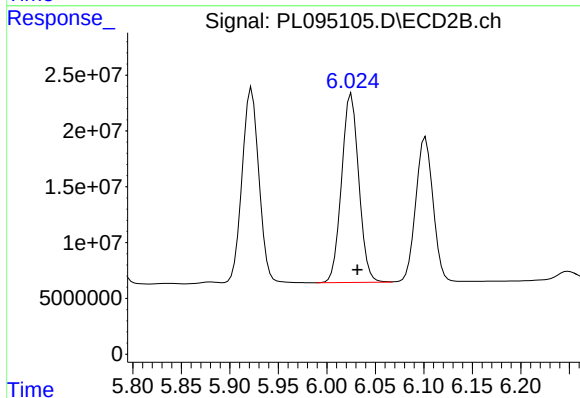
R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 183783177
Conc: 51.11 ng/ml



#17 4,4'-DDT

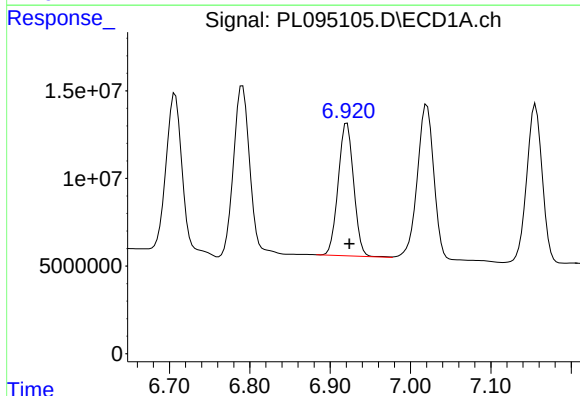
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 125246081
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



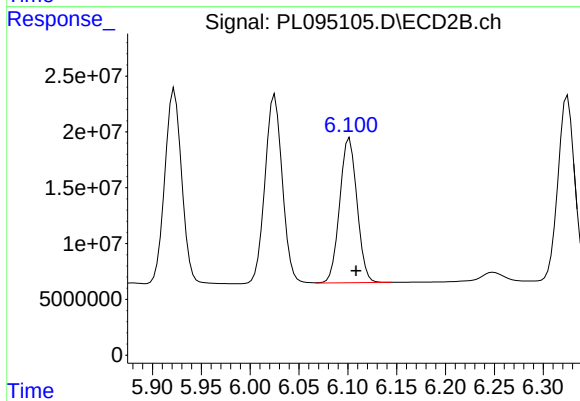
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 208143638
Conc: 51.62 ng/ml



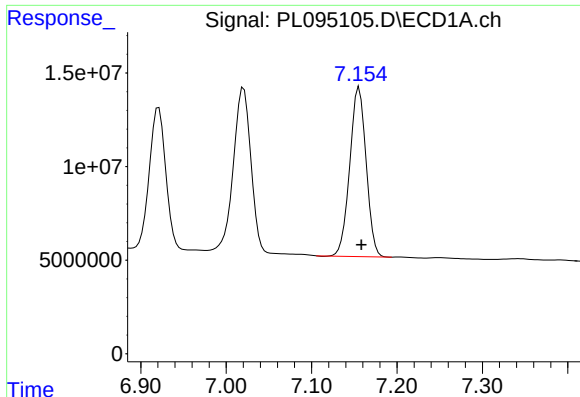
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 101385406
Conc: 48.03 ng/ml



#18 Endrin aldehyde

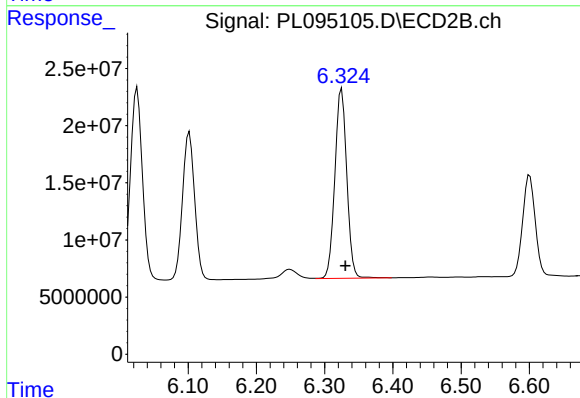
R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 160089156
Conc: 47.57 ng/ml



#19 Endosulfan Sulfate

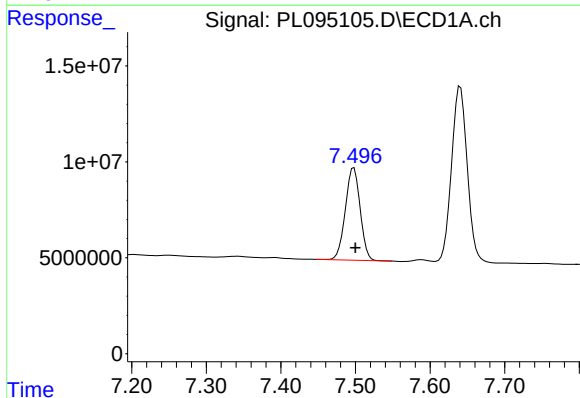
R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 120397595
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



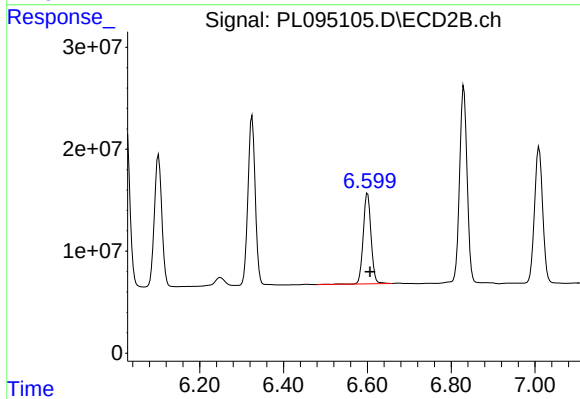
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 201194163
Conc: 49.39 ng/ml



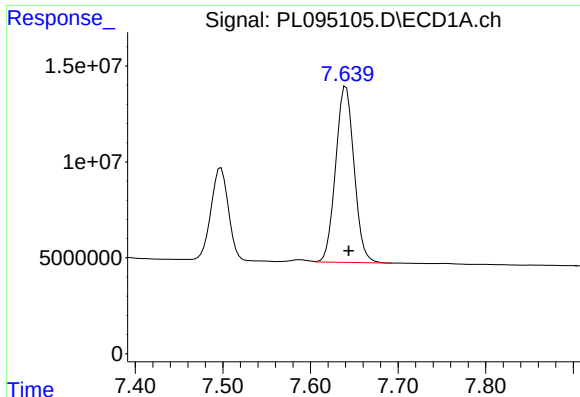
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 66177433
Conc: 55.28 ng/ml



#20 Methoxychlor

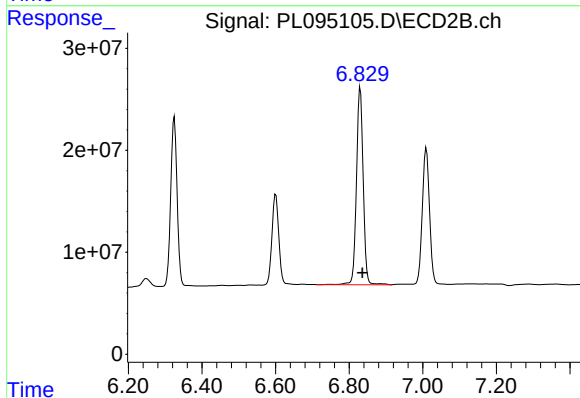
R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 115295982
Conc: 54.36 ng/ml



#21 Endrin ketone

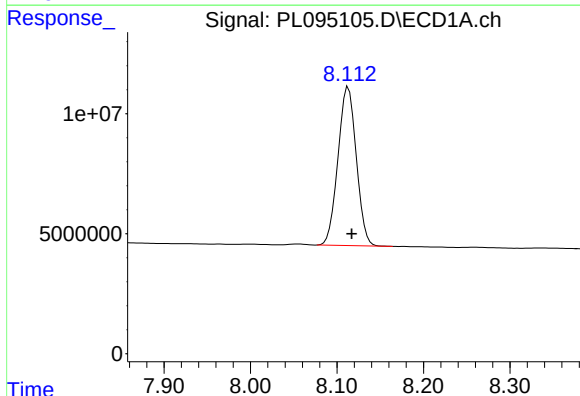
R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 133959764
Conc: 50.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



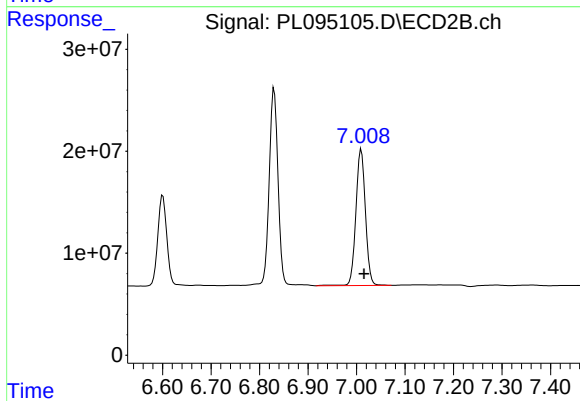
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 246170448
Conc: 51.58 ng/ml



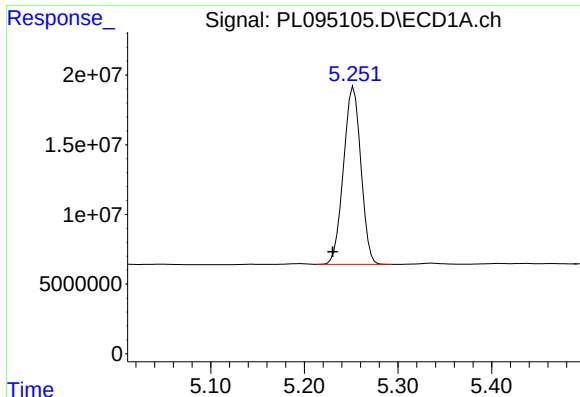
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 96682930
Conc: 46.79 ng/ml



#22 Mirex

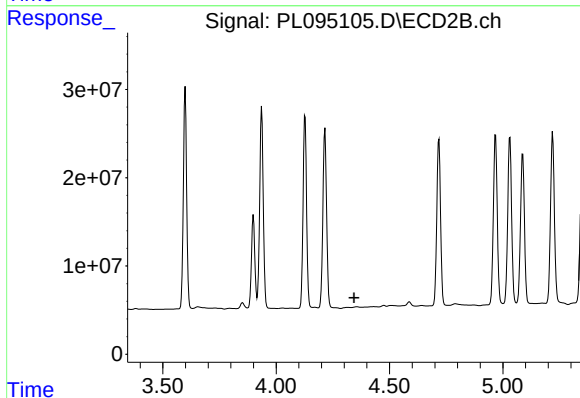
R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 183660429
Conc: 48.39 ng/ml



#24 Chlordane-2

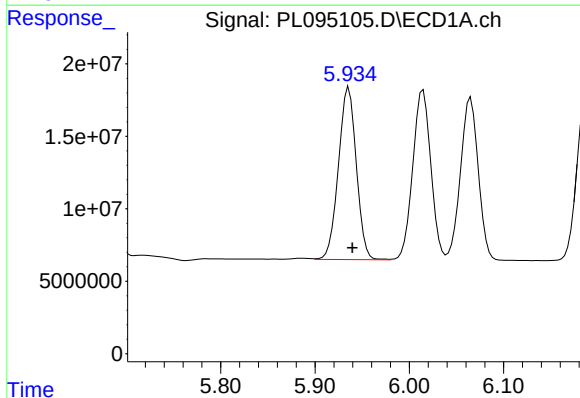
R.T.: 5.253 min
Delta R.T.: 0.022 min
Response: 164523485
Conc: 1087.36 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



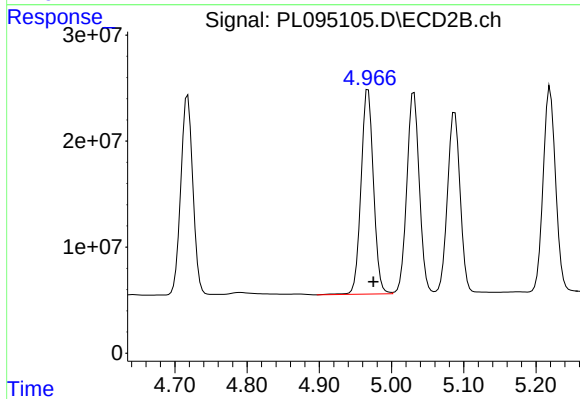
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



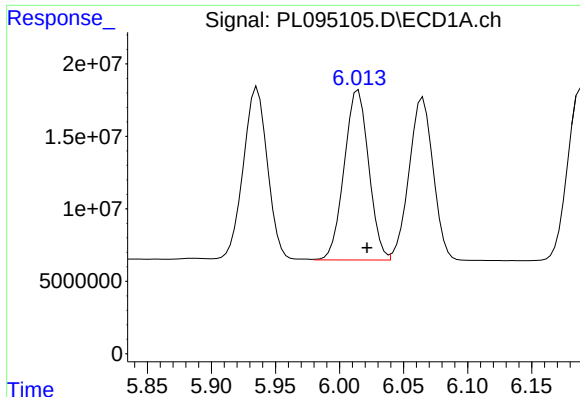
#25 Chlordane-3

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 156632125
Conc: 313.38 ng/ml



#25 Chlordane-3

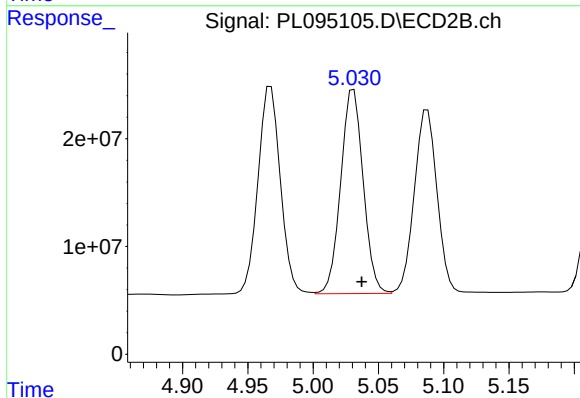
R.T.: 4.968 min
Delta R.T.: -0.007 min
Response: 231769879
Conc: 435.66 ng/ml



#26 Chlordane-4

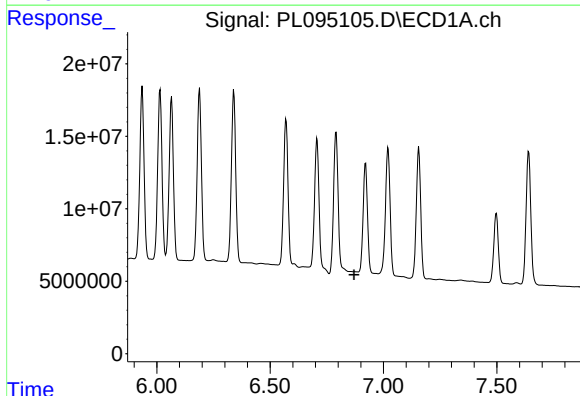
R.T.: 6.015 min
Delta R.T.: -0.007 min
Response: 156197054
Conc: 265.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



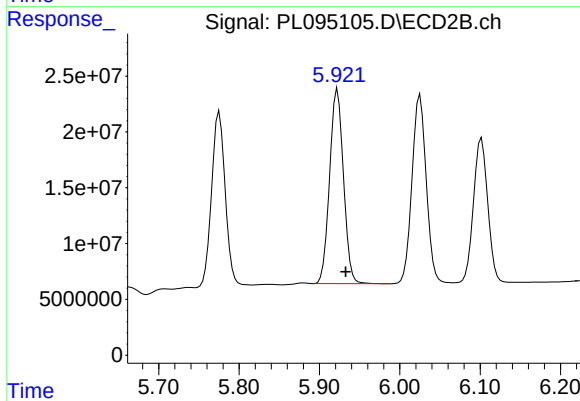
#26 Chlordane-4

R.T.: 5.031 min
Delta R.T.: -0.006 min
Response: 227182534
Conc: 436.42 ng/ml



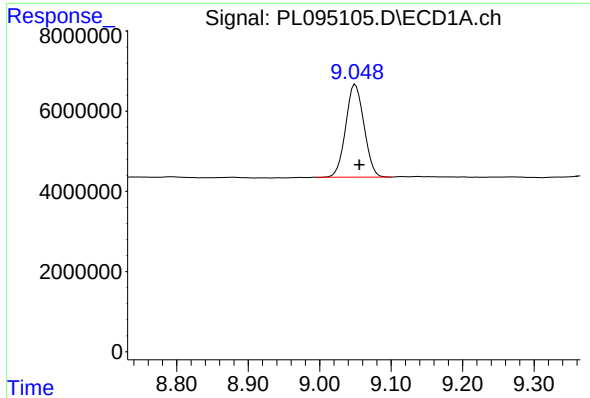
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

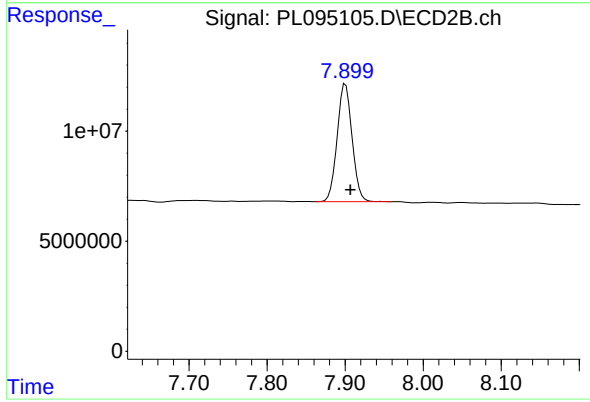
R.T.: 5.923 min
Delta R.T.: -0.010 min
Response: 209495102
Conc: 1092.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 41113030
Conc: 19.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MS



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 71161215
Conc: 17.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 13:44
 Operator : AR\AJ
 Sample : Q1730-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-15-040325MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	83633165	60565051	29.545	16.968 #
28)	SA Decachlor...	9.053	7.902	40518687	70543496	19.226	17.464
Target Compounds							
2)	A alpha-BHC	3.992	3.270	184.5E6	271.3E6	44.428	50.325
3)	MA gamma-BHC...	4.324	3.600	177.1E6	250.3E6	44.378	48.696
4)	MA Heptachlor	4.912	3.937	171.0E6	248.9E6	44.048	47.234
5)	MB Aldrin	5.253	4.216	163.9E6	230.7E6	44.397	47.310
6)	B beta-BHC	4.524	3.901	82412055	108.7E6	44.663	48.940
7)	B delta-BHC	4.770	4.129	172.4E6	232.7E6	44.283	46.522
8)	B Heptachlo...	5.680	4.719	150.2E6	216.3E6	44.903	47.238
9)	A Endosulfan I	6.066	5.089	145.1E6	207.3E6	47.256	47.226
10)	B gamma-Chl...	5.937	4.969	154.1E6	226.2E6	45.744	46.841
11)	B alpha-Chl...	6.015	5.033	154.9E6	224.2E6	46.976	46.981
12)	B 4,4'-DDE	6.189	5.221	154.2E6	229.6E6	52.416	49.397
13)	MA Dieldrin	6.341	5.353	154.8E6	229.3E6	48.408	47.259
14)	MA Endrin	6.571	5.628	131.2E6	234.9E6	47.342	53.828
15)	B Endosulfa...	6.792	5.923	134.2E6	207.8E6	49.424	48.019
16)	A 4,4'-DDD	6.708	5.777	126.0E6	182.3E6	58.181	50.699
17)	MA 4,4'-DDT	7.021	6.026	124.2E6	206.0E6	52.220	51.095
18)	B Endrin al...	6.921	6.103	102.5E6	159.0E6	48.568	47.252
19)	B Endosulfa...	7.157	6.326	119.8E6	199.1E6	49.271	48.878
20)	A Methoxychlor	7.498	6.601	67075727	115.0E6	56.033	54.204
21)	B Endrin ke...	7.642	6.831	132.9E6	243.8E6	50.296	51.074
22)	Mirex	8.114	7.010	95755936	184.9E6	46.342	48.711
24)	Chlordane-2	5.253f	0.000	163.9E6	0	1083.397	N.D. #
25)	Chlordane-3	5.937	4.969	154.1E6	226.2E6	308.368	425.129 #
26)	Chlordane-4	6.015	5.033	154.9E6	224.2E6	262.899	430.745 #
27)	Chlordane-5	0.000	5.923	0	207.8E6	N.D.	1083.430 #

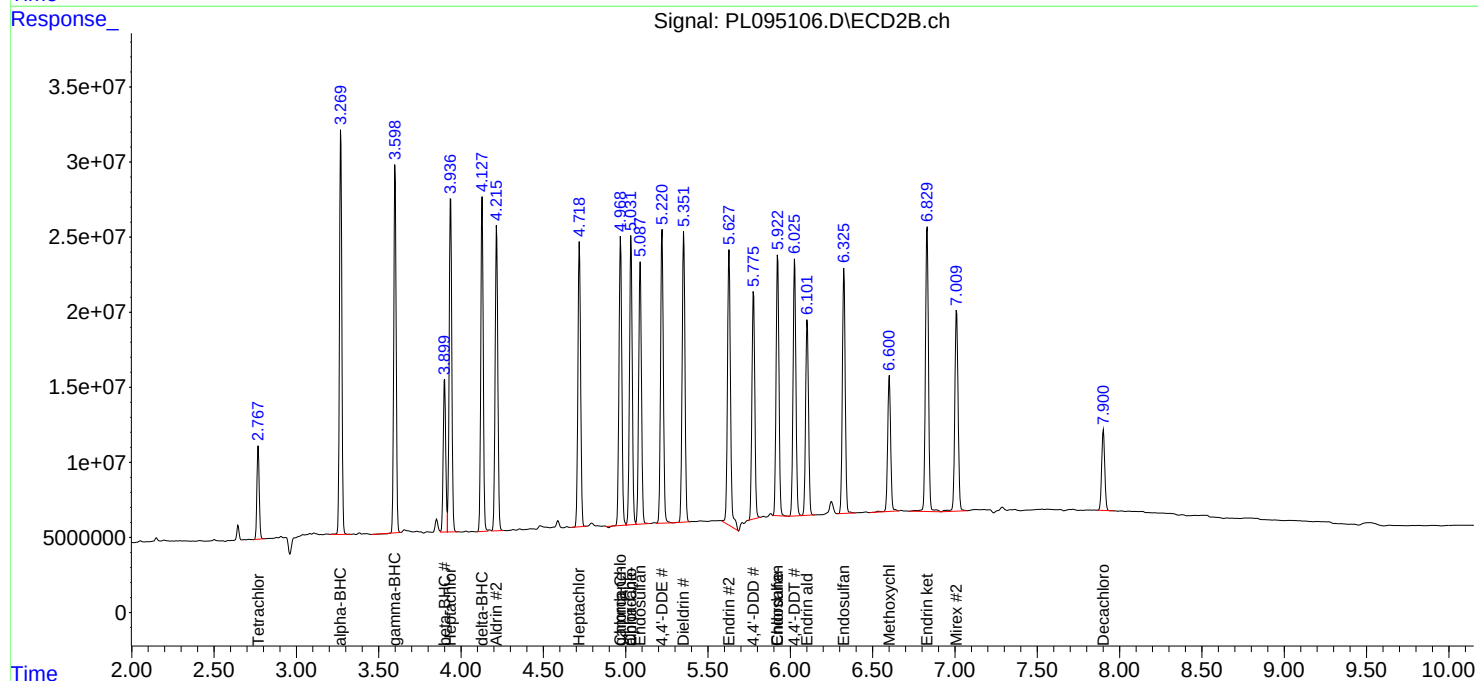
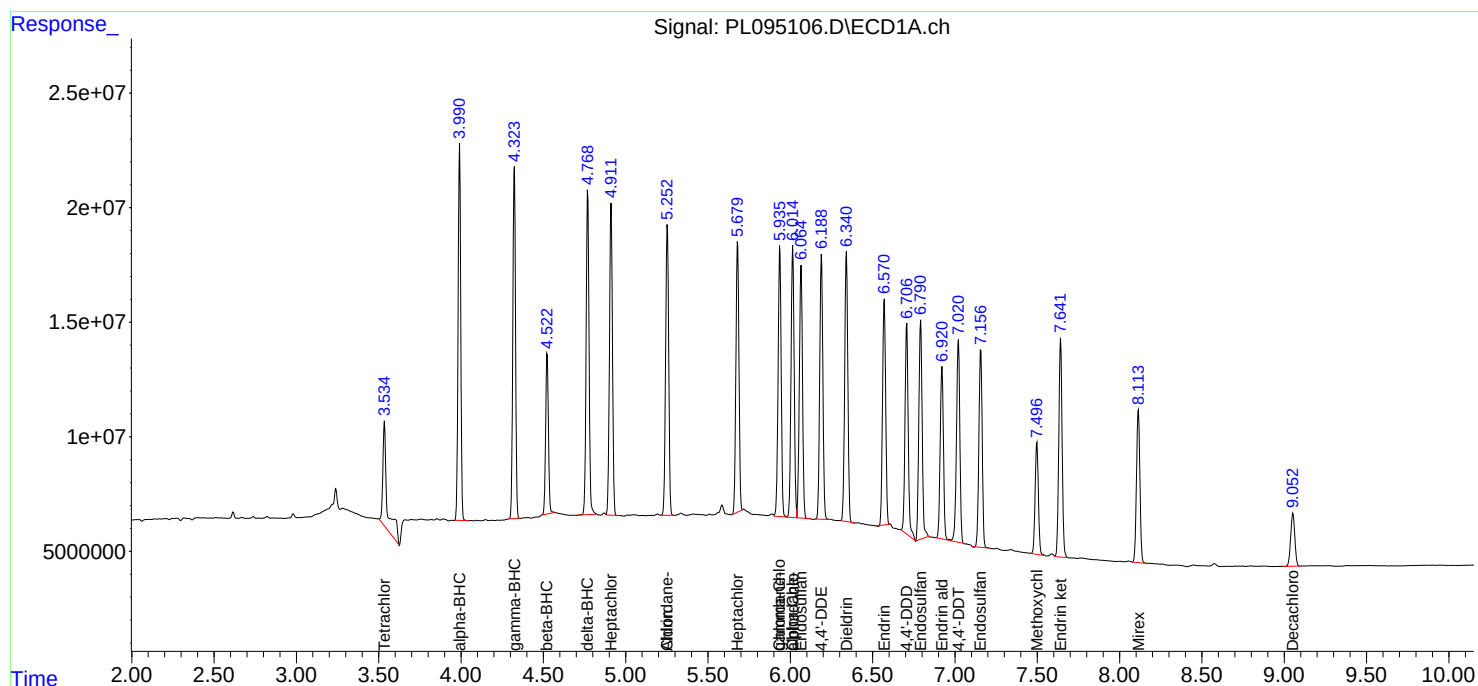
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

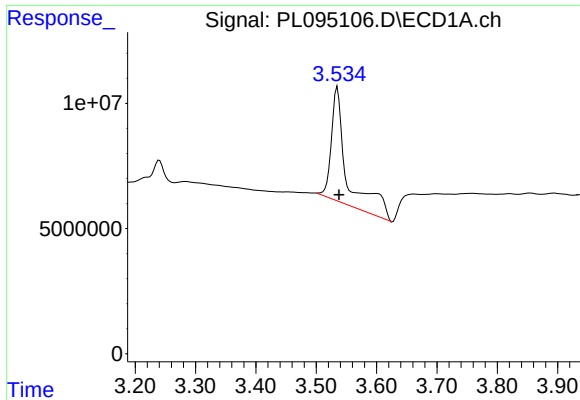
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:44
Operator : AR\AJ
Sample : Q1730-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

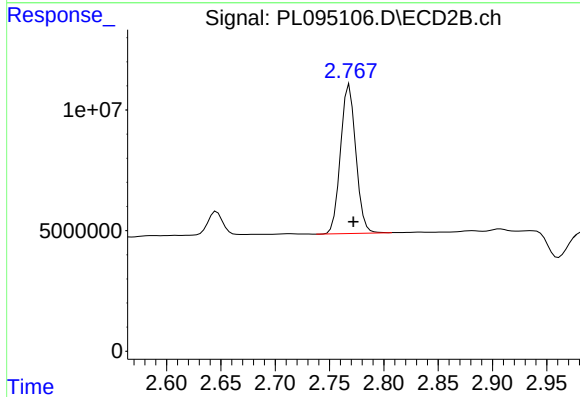




#1 Tetrachloro-m-xylene

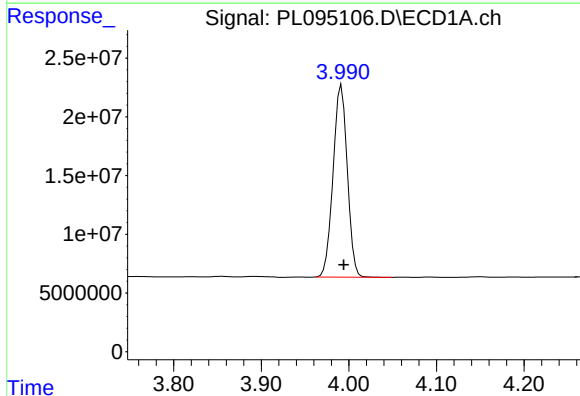
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 83633165
Conc: 29.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



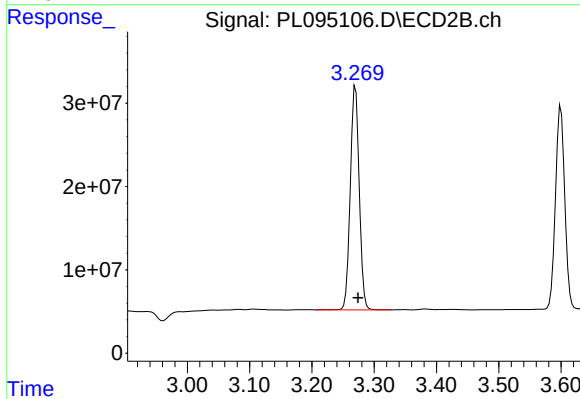
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 60565051
Conc: 16.97 ng/ml



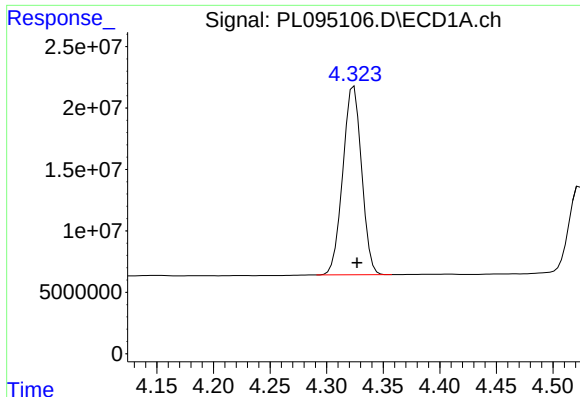
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 184479516
Conc: 44.43 ng/ml



#2 alpha-BHC

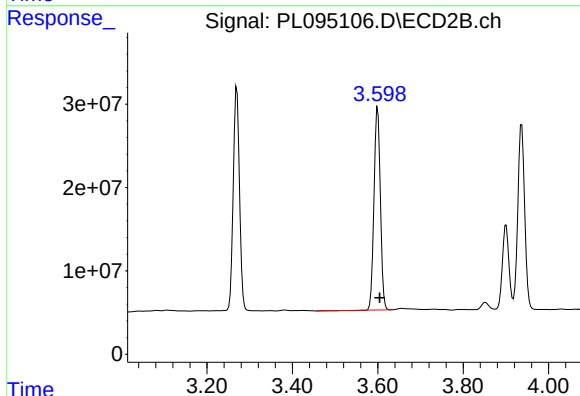
R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 271318589
Conc: 50.32 ng/ml



#3 gamma-BHC (Lindane)

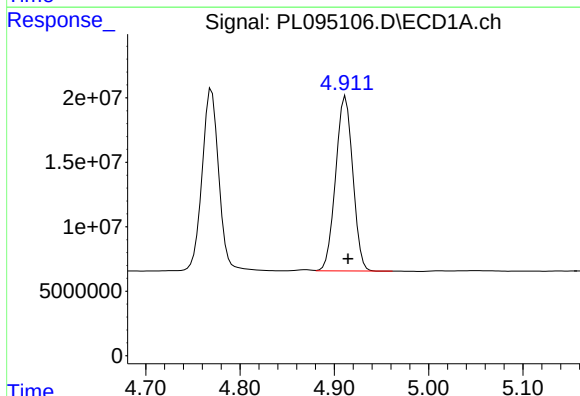
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 177081595
Conc: 44.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



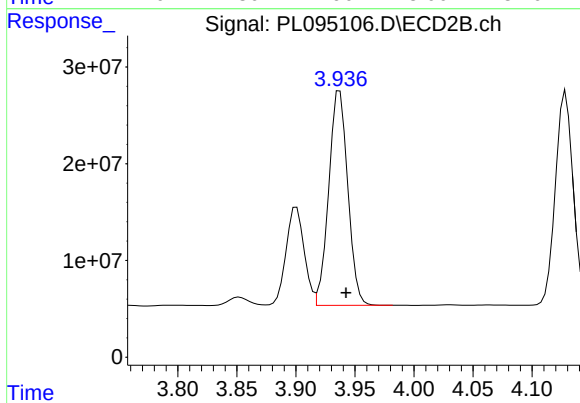
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 250270688
Conc: 48.70 ng/ml



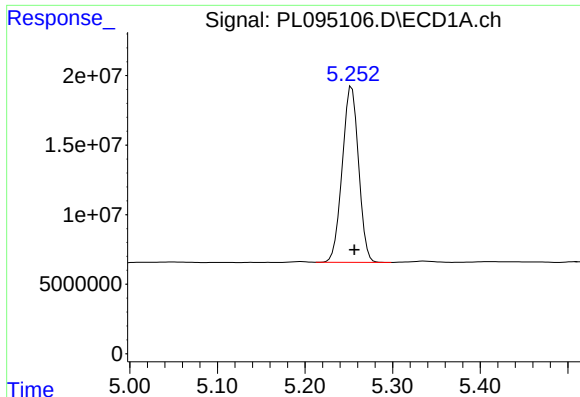
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 170976397
Conc: 44.05 ng/ml



#4 Heptachlor

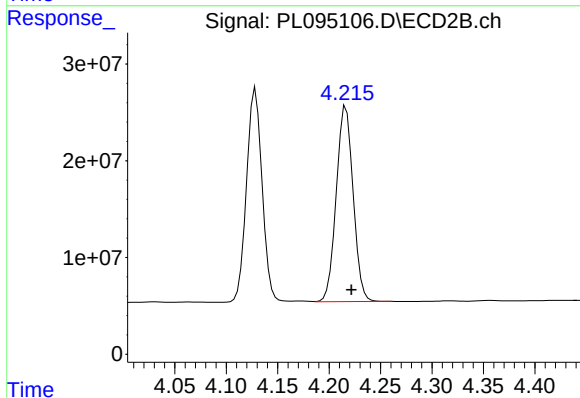
R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 248861620
Conc: 47.23 ng/ml



#5 Aldrin

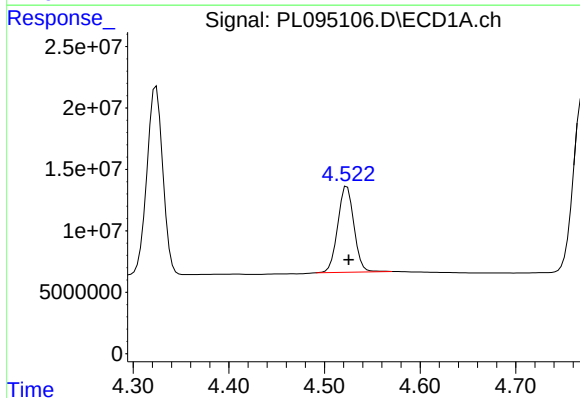
R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 163923640
Conc: 44.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



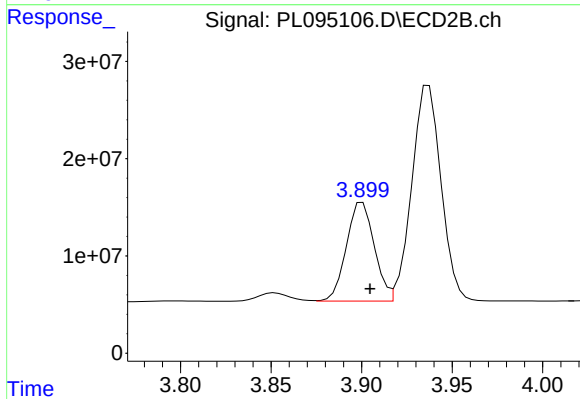
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 230698476
Conc: 47.31 ng/ml



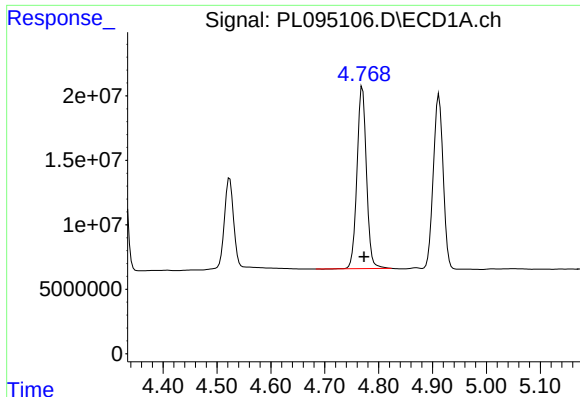
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 82412055
Conc: 44.66 ng/ml



#6 beta-BHC

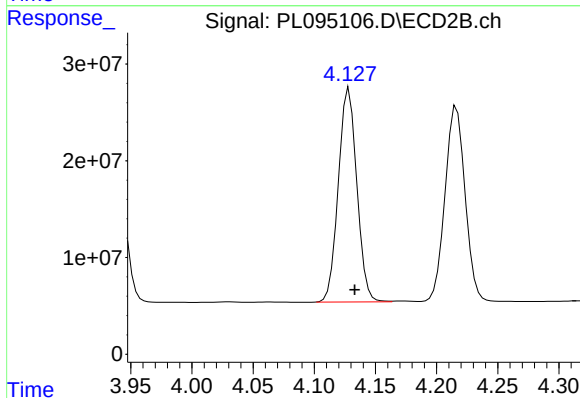
R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 108710519
Conc: 48.94 ng/ml



#7 delta-BHC

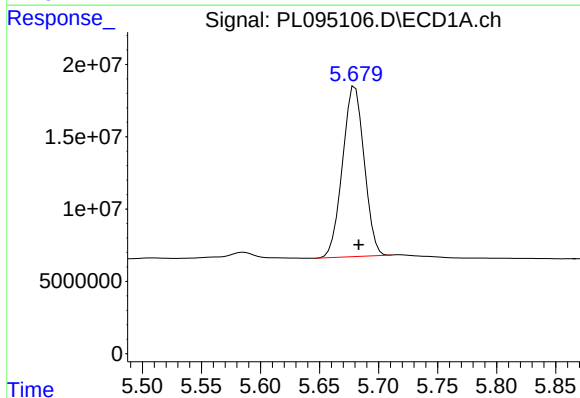
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 172449741
Conc: 44.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



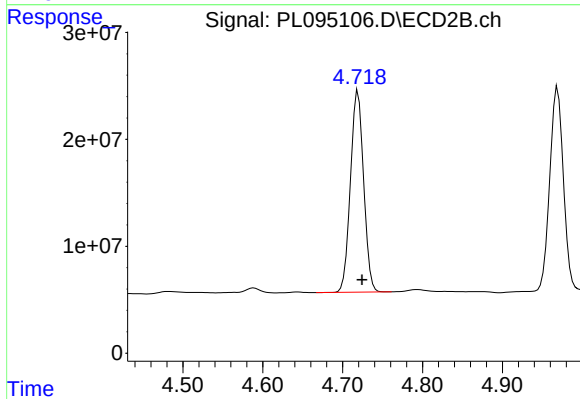
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 232701549
Conc: 46.52 ng/ml



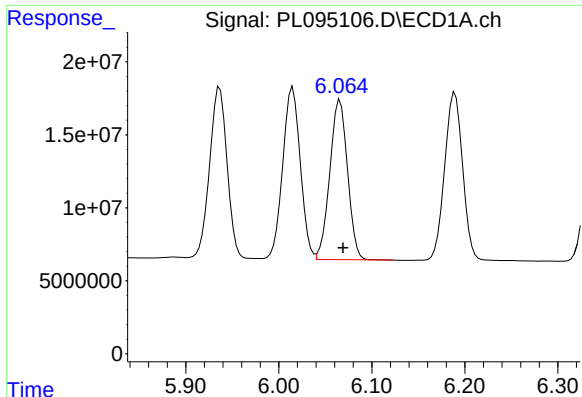
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 150210678
Conc: 44.90 ng/ml



#8 Heptachlor epoxide

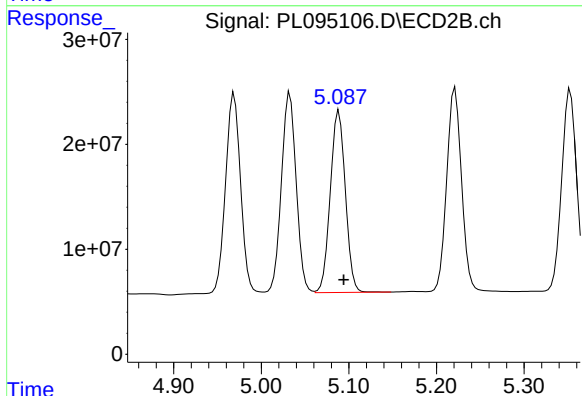
R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 216282293
Conc: 47.24 ng/ml



#9 Endosulfan I

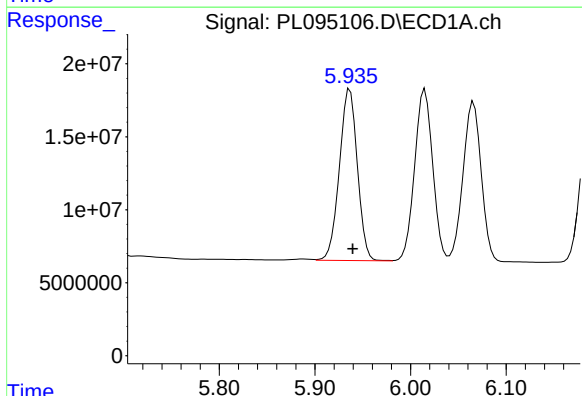
R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 145085274
Conc: 47.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



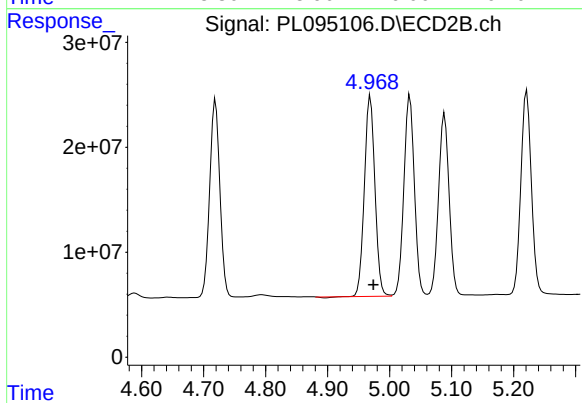
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 207262905
Conc: 47.23 ng/ml



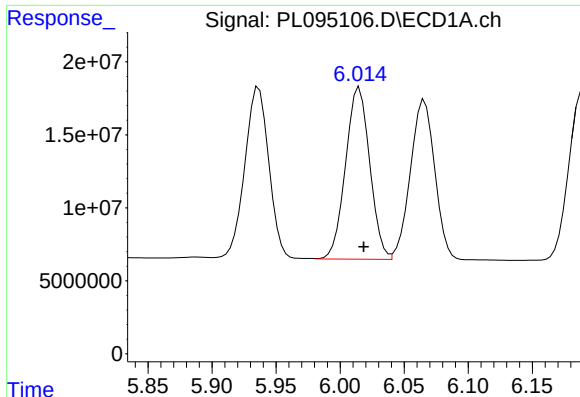
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 154128825
Conc: 45.74 ng/ml



#10 gamma-Chlordane

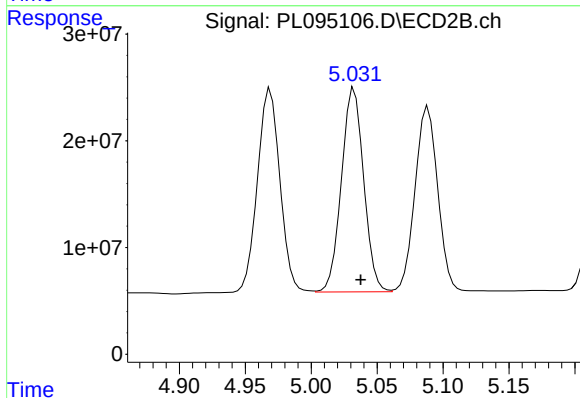
R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 226167618
Conc: 46.84 ng/ml



#11 alpha-Chlordane

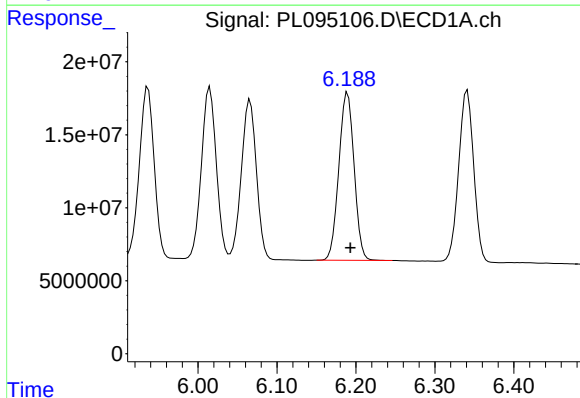
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 154871993
Conc: 46.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



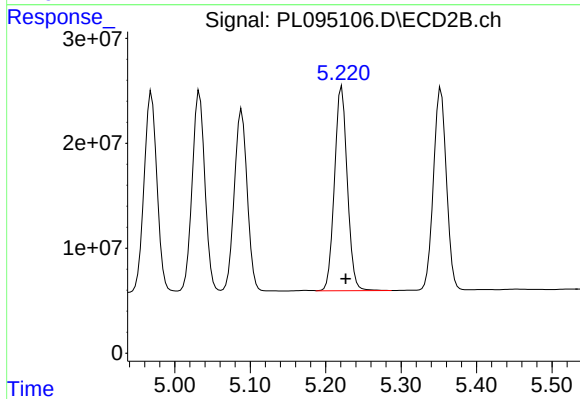
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 224228475
Conc: 46.98 ng/ml



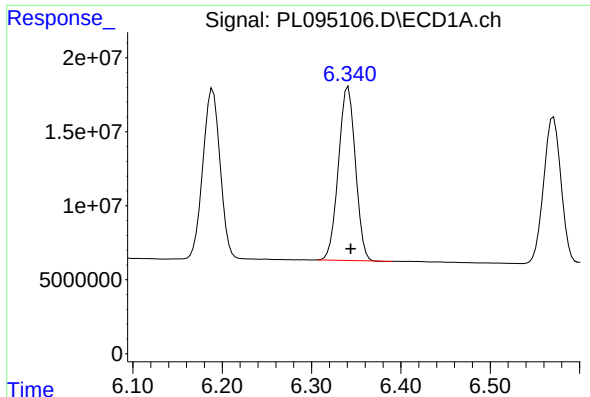
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 154212133
Conc: 52.42 ng/ml



#12 4,4'-DDE

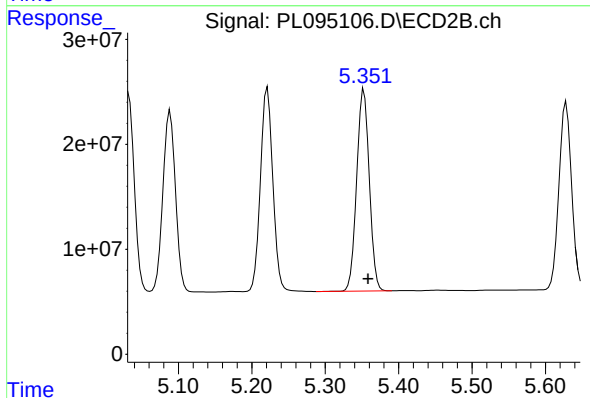
R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 229622209
Conc: 49.40 ng/ml



#13 Dieldrin

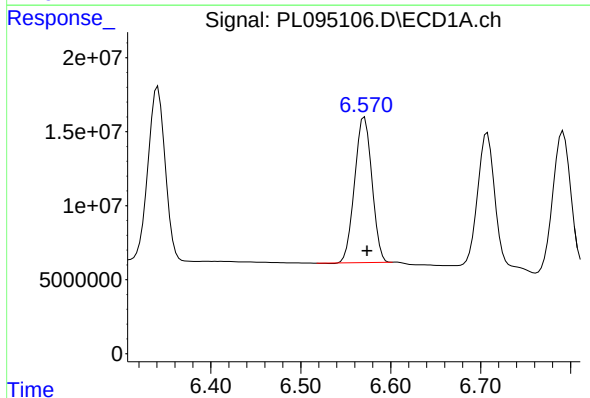
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 154814845
Conc: 48.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



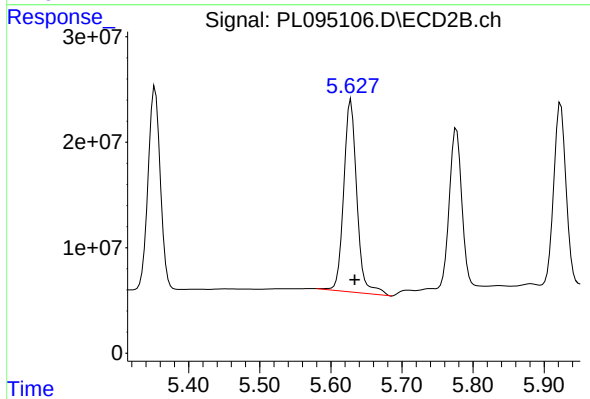
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 229292753
Conc: 47.26 ng/ml



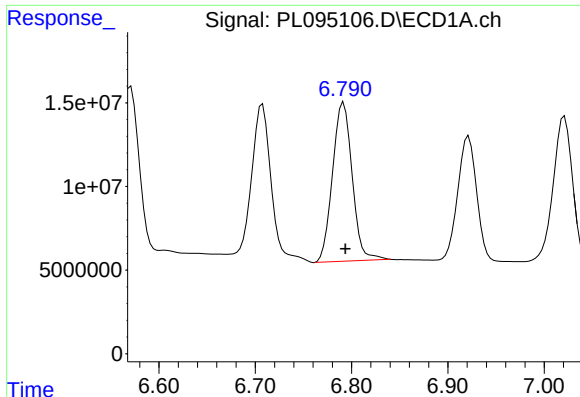
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 131234828
Conc: 47.34 ng/ml



#14 Endrin

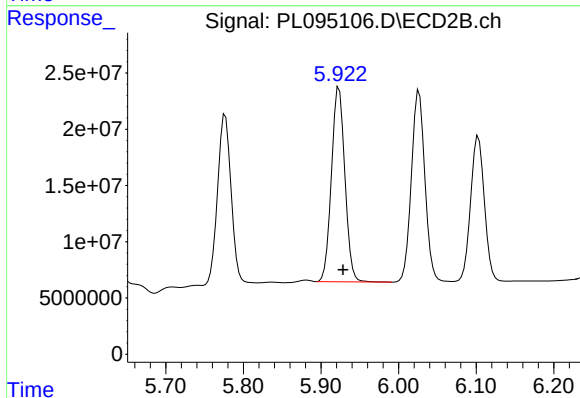
R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 234887345
Conc: 53.83 ng/ml



#15 Endosulfan II

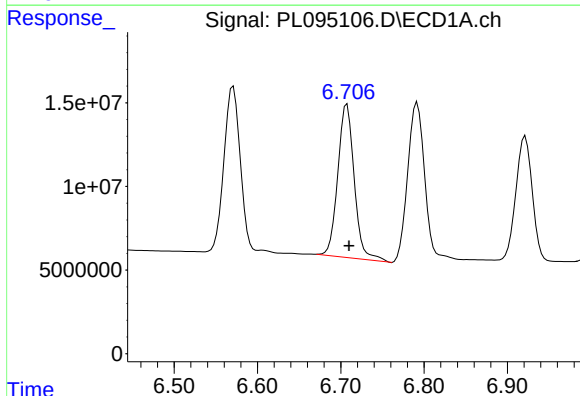
R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 134172096
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



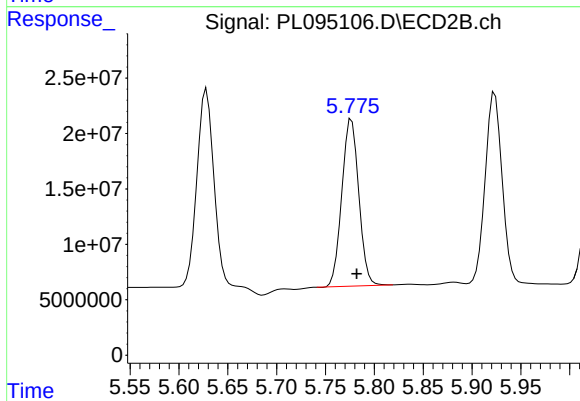
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 207840853
Conc: 48.02 ng/ml



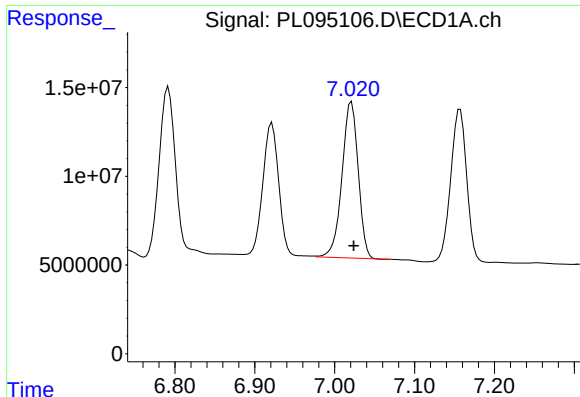
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 126024683
Conc: 58.18 ng/ml



#16 4,4'-DDD

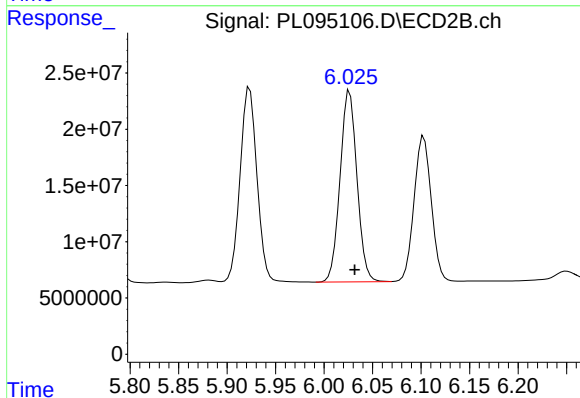
R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 182307156
Conc: 50.70 ng/ml



#17 4,4'-DDT

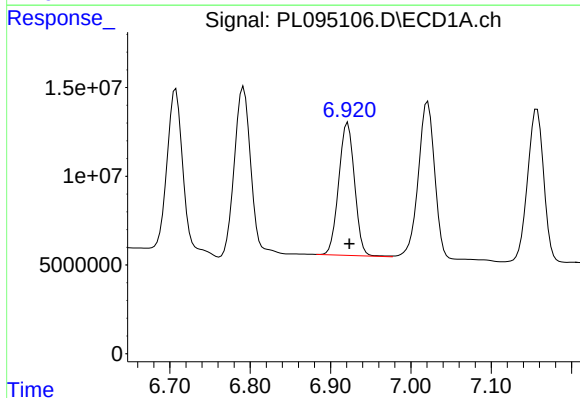
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 124207942
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



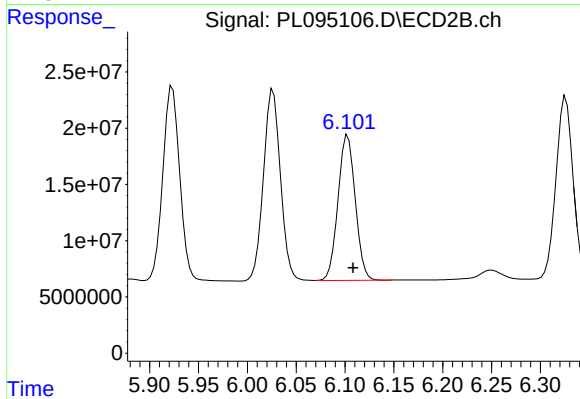
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.005 min
Response: 206018935
Conc: 51.09 ng/ml



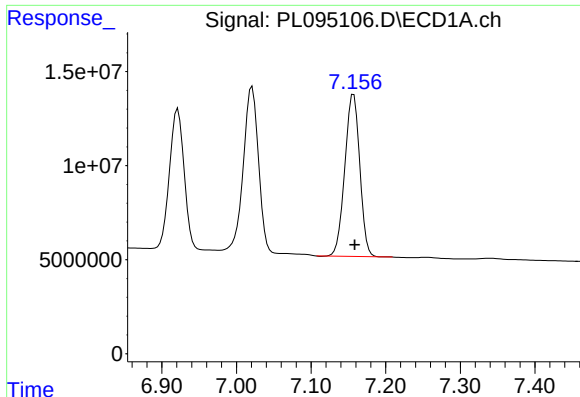
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 102527180
Conc: 48.57 ng/ml



#18 Endrin aldehyde

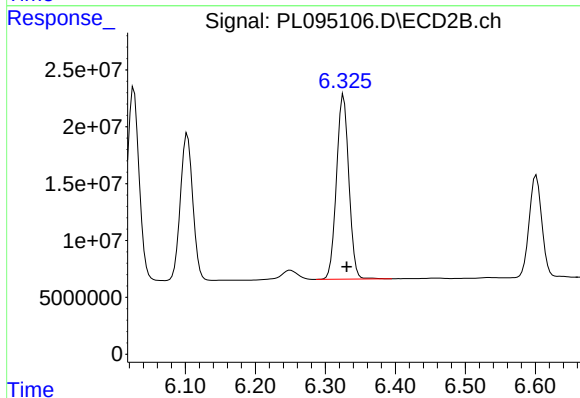
R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 159019696
Conc: 47.25 ng/ml



#19 Endosulfan Sulfate

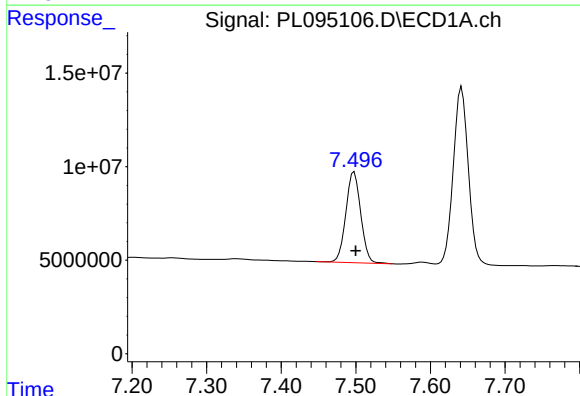
R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 119828339
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



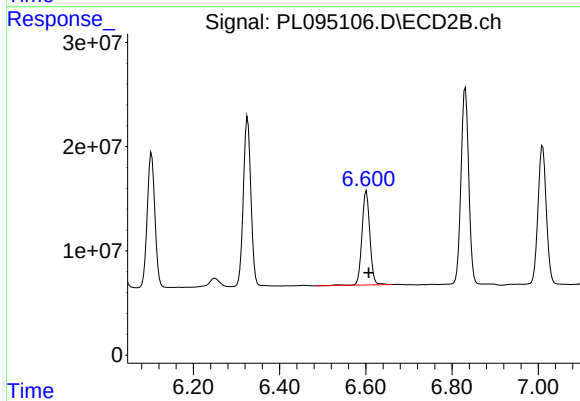
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 199102117
Conc: 48.88 ng/ml



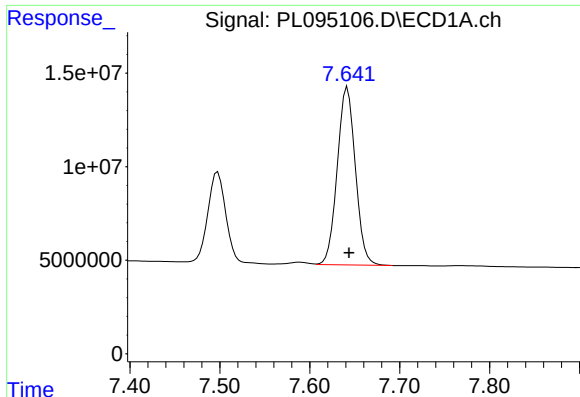
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 67075727
Conc: 56.03 ng/ml



#20 Methoxychlor

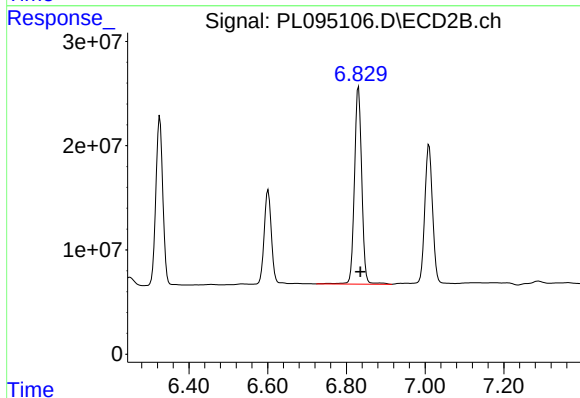
R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 114970256
Conc: 54.20 ng/ml



#21 Endrin ketone

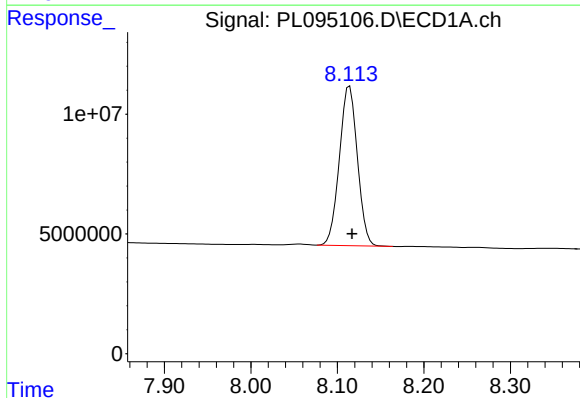
R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 132944905
Conc: 50.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



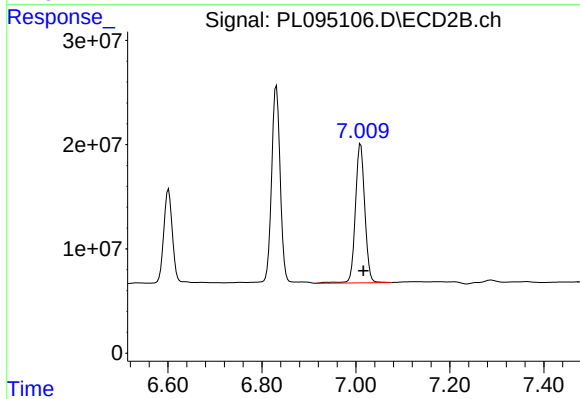
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 243755998
Conc: 51.07 ng/ml



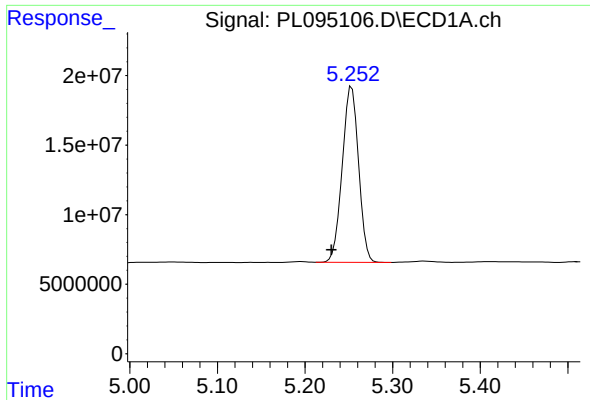
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 95755936
Conc: 46.34 ng/ml



#22 Mirex

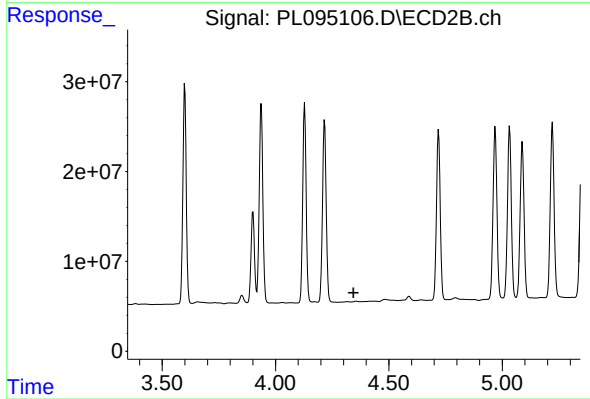
R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 184872674
Conc: 48.71 ng/ml



#24 Chlordane-2

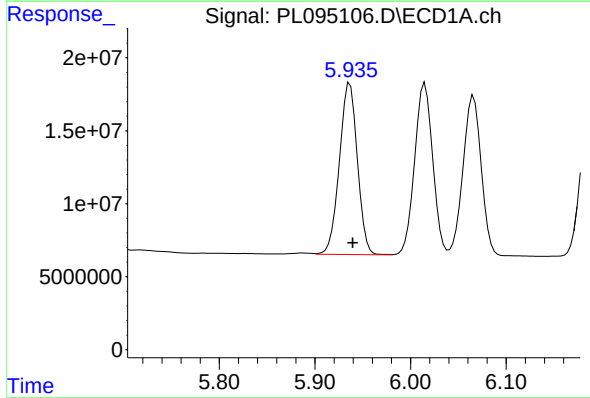
R.T.: 5.253 min
Delta R.T.: 0.023 min
Response: 163923640
Conc: 1083.40 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



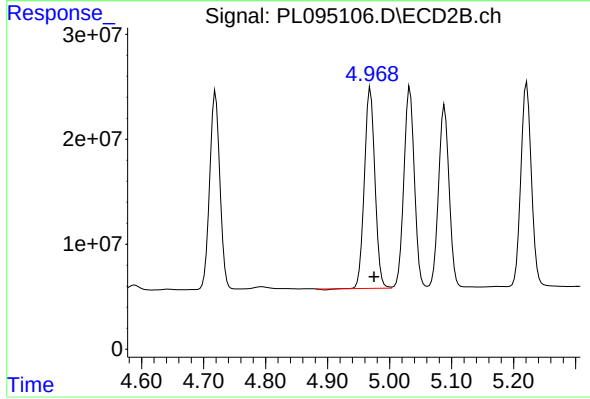
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



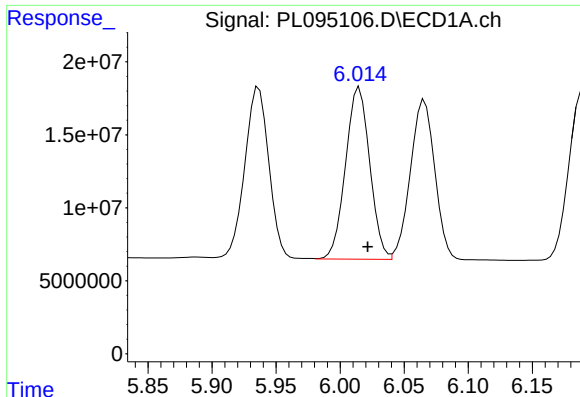
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 154128825
Conc: 308.37 ng/ml



#25 Chlordane-3

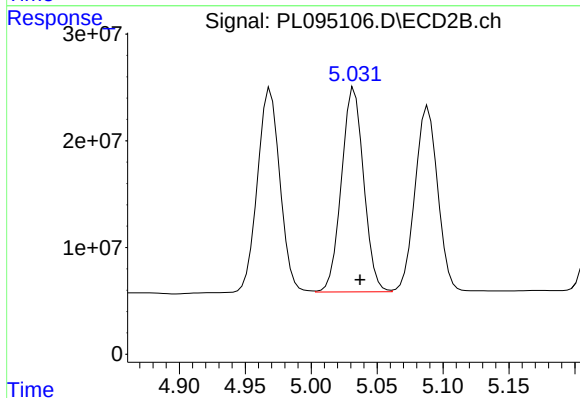
R.T.: 4.969 min
Delta R.T.: -0.006 min
Response: 226167618
Conc: 425.13 ng/ml



#26 Chlordane-4

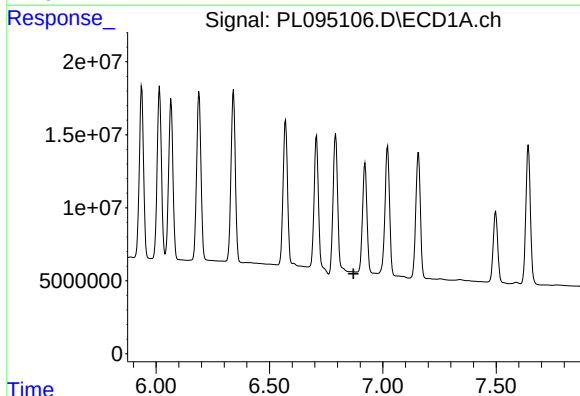
R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 154871993
Conc: 262.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



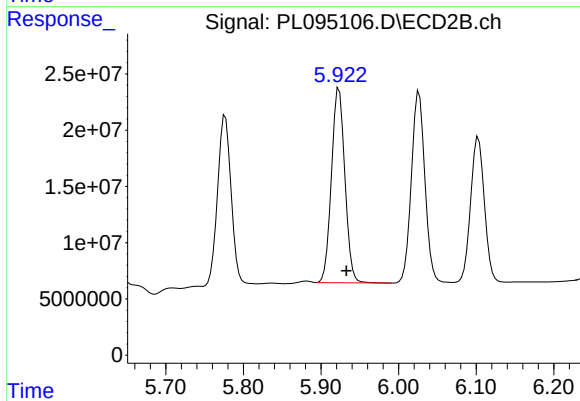
#26 Chlordane-4

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 224228475
Conc: 430.74 ng/ml



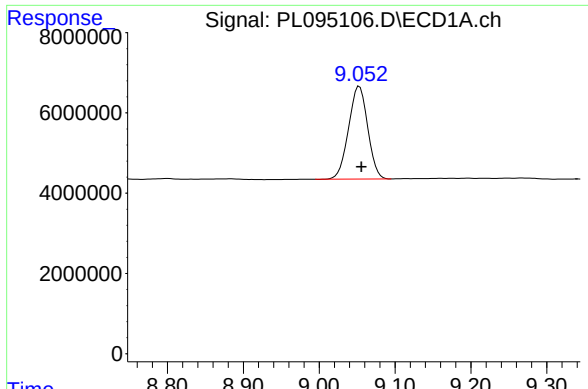
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

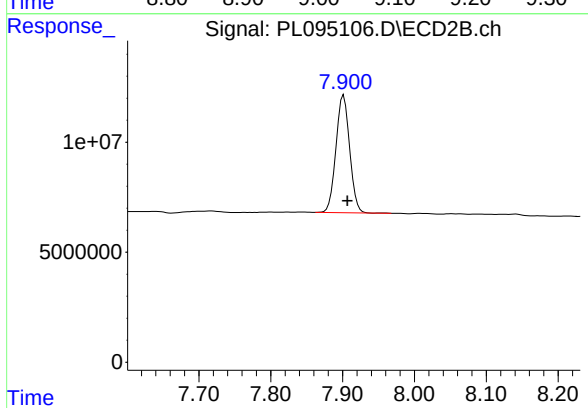
R.T.: 5.923 min
Delta R.T.: -0.010 min
Response: 207840853
Conc: 1083.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 40518687
Conc: 19.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-15-040325MSD



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 70543496
Conc: 17.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:58
Operator : AR\AJ
Sample : Q1730-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.534	2.768	100.1E6	74843601	35.352	20.969 #
28) SA Decachlor...	9.050	7.901	48246439	85073327	22.893	21.061
Target Compounds						
23) Chlordane-1	0.000	3.798f	0	9210576	N.D.	60.985 #

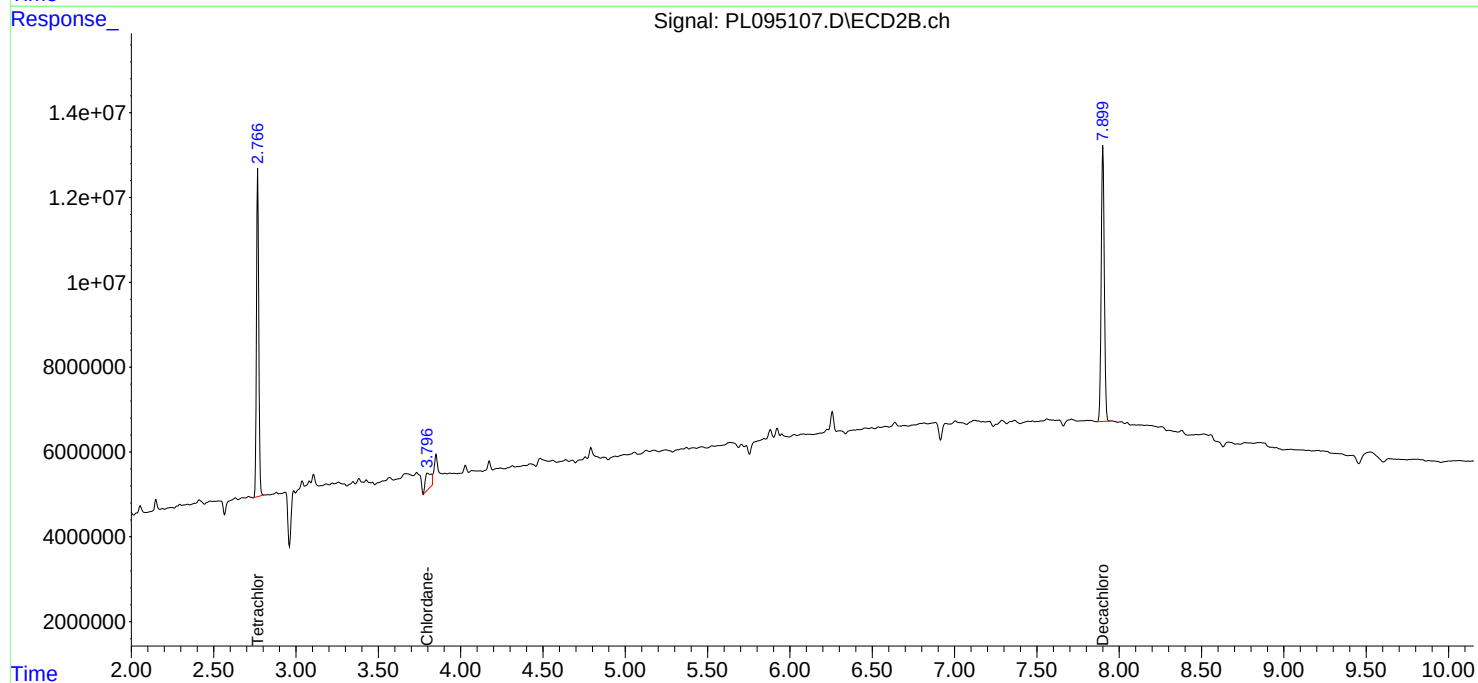
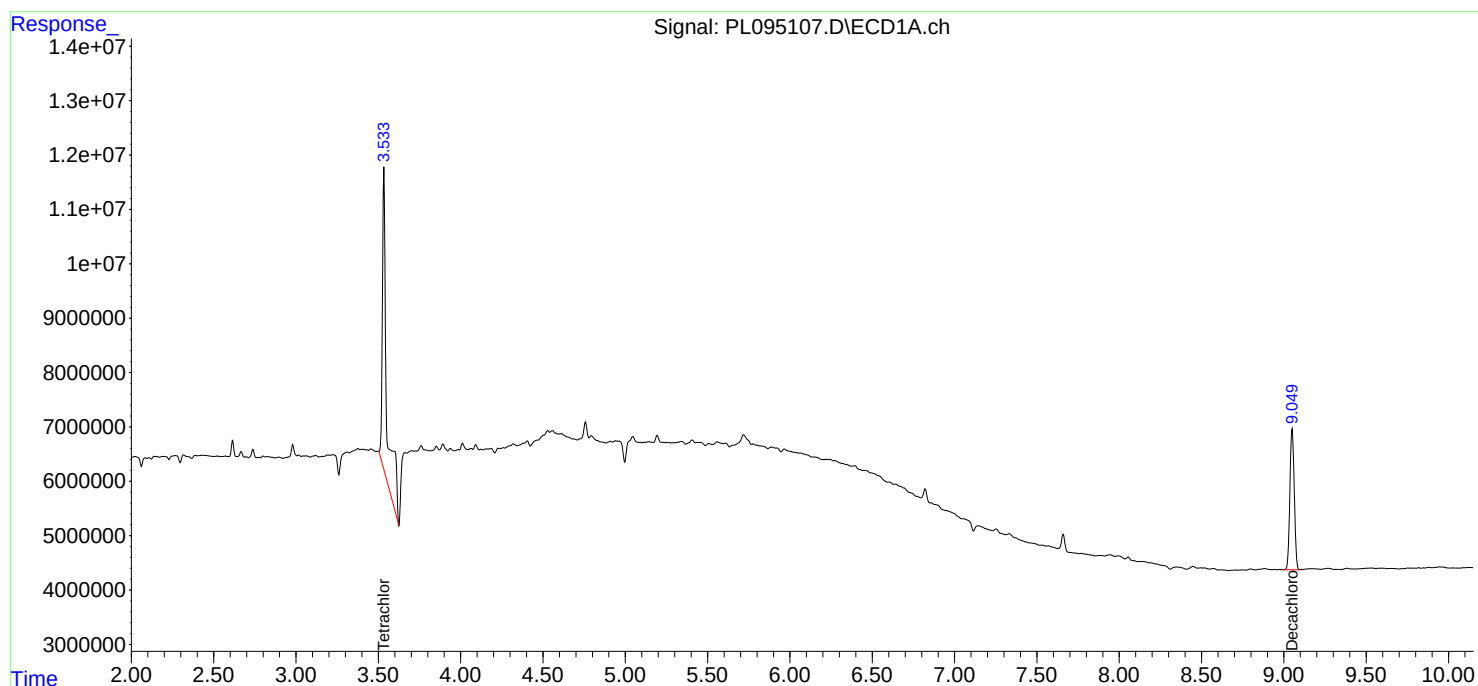
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

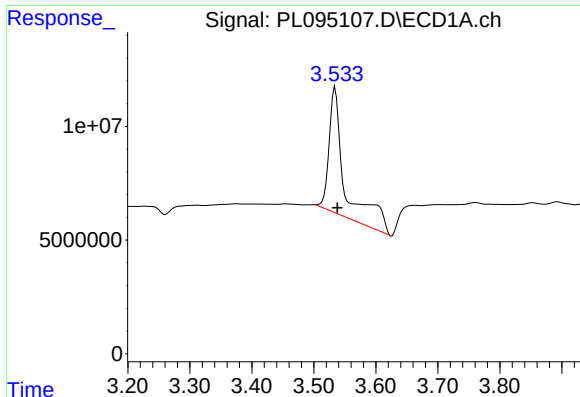
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 13:58
Operator : AR\AJ
Sample : Q1730-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

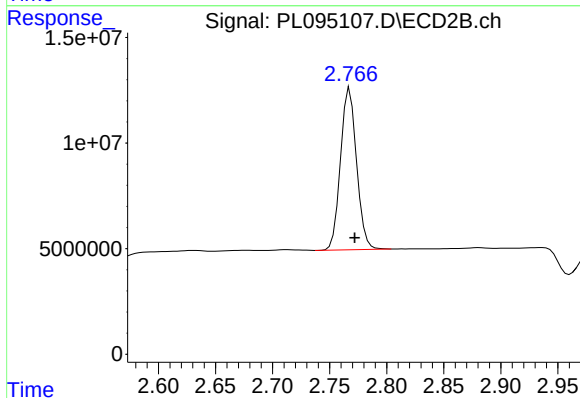




#1 Tetrachloro-m-xylene

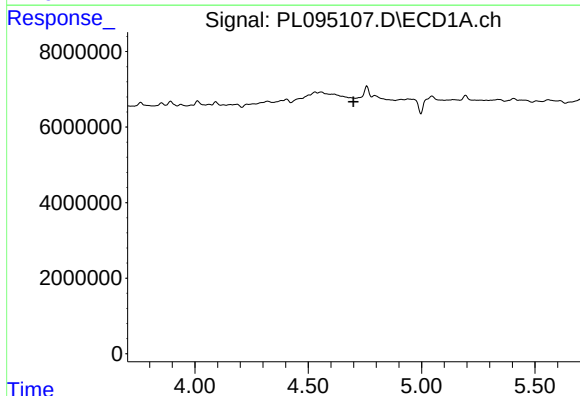
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 100069486
Conc: 35.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325



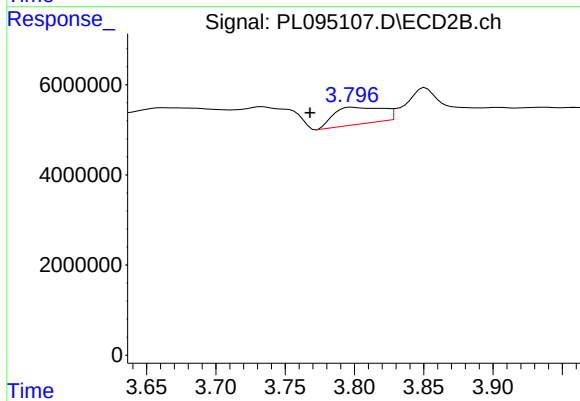
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 74843601
Conc: 20.97 ng/ml



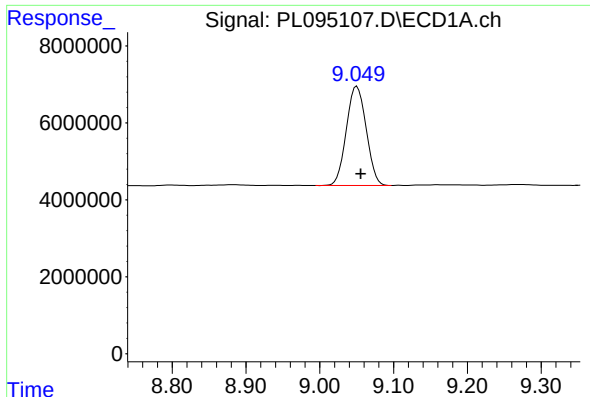
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

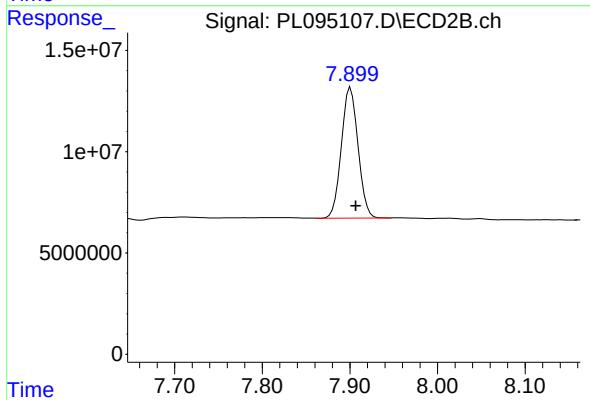
R.T.: 3.798 min
Delta R.T.: 0.030 min
Response: 9210576
Conc: 60.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 48246439
Conc: 22.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-16-040325



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 85073327
Conc: 21.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095108.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 14:11
 Operator : AR\AJ
 Sample : Q1730-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-VSL-17-040325

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:41:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	107.4E6	85032115	37.932	23.823 #
28)	SA Decachlor...	9.052	7.901	54290166	96611536	25.761	23.918
Target Compounds							
2)	A alpha-BHC	0.000	3.259f	0	30606581	N.D.	5.677 #
15)	B Endosulfa...	6.823f	5.924	10993012	3646094	4.049	0.842 #
23)	Chlordane-1	0.000	3.802f	0	13611996	N.D.	90.127 #
27)	Chlordane-5	0.000	5.924	0	3646094	N.D.	19.006 #

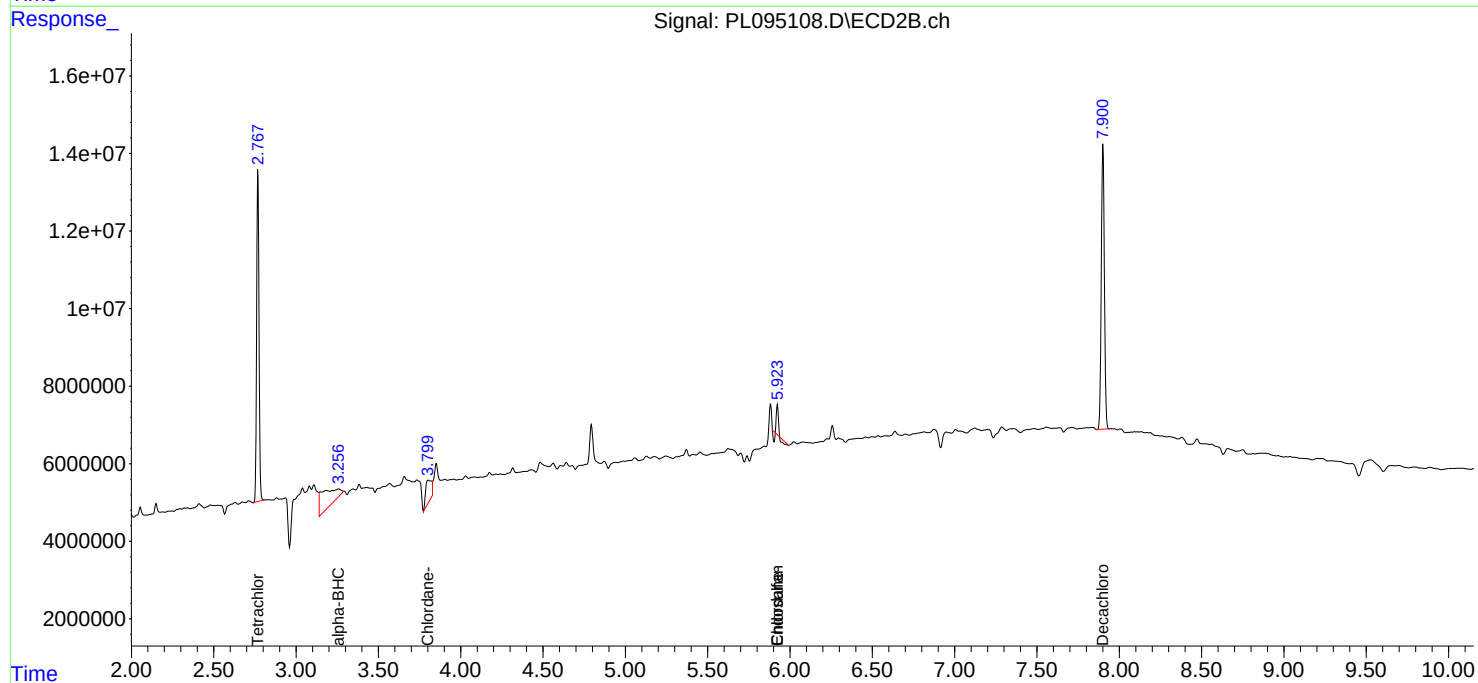
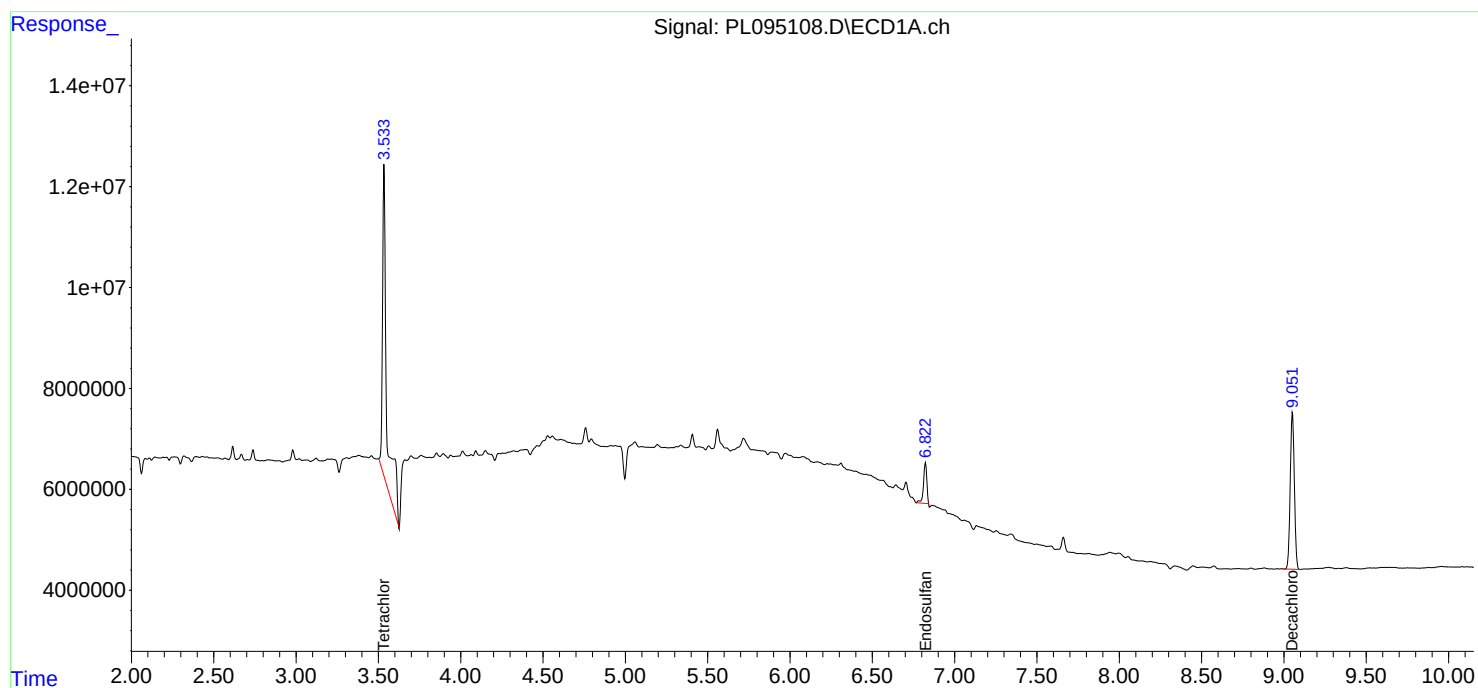
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

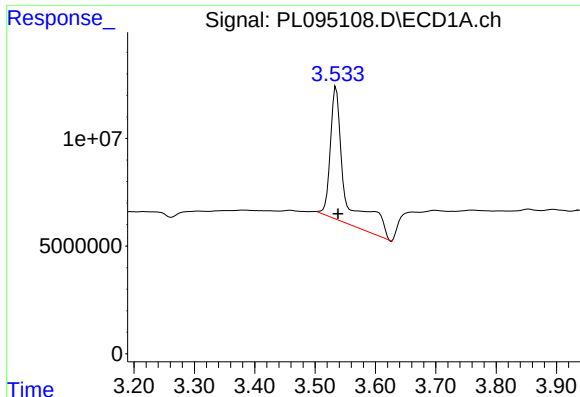
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:11
Operator : AR\AJ
Sample : Q1730-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

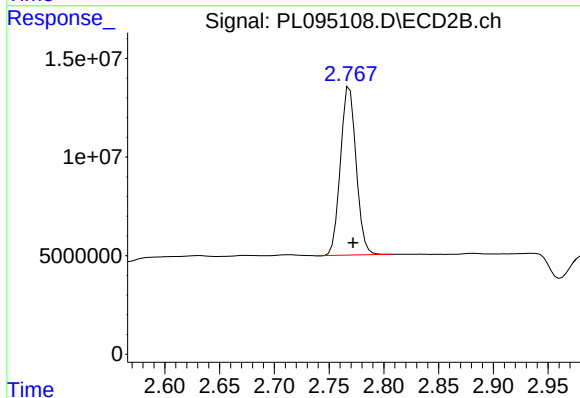




#1 Tetrachloro-m-xylene

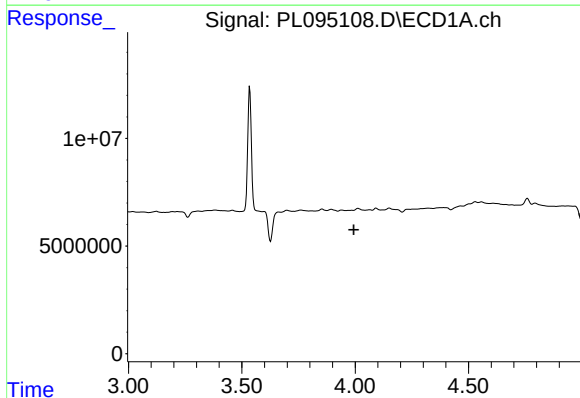
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 107372580
Conc: 37.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325



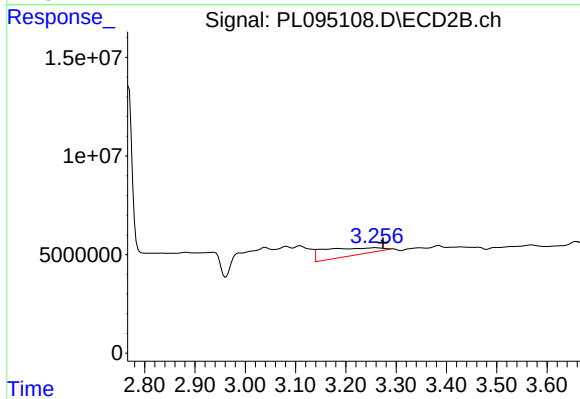
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 85032115
Conc: 23.82 ng/ml



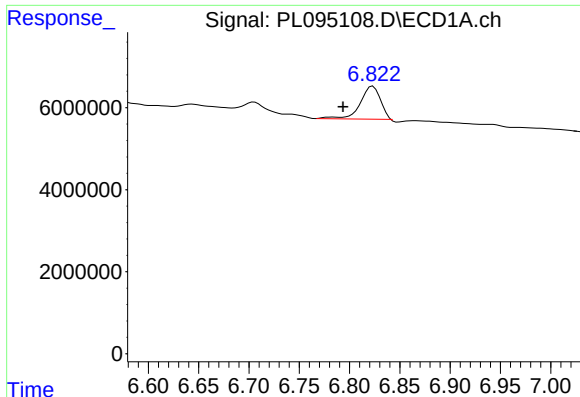
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.994 min
Response: 0
Conc: N.D.



#2 alpha-BHC

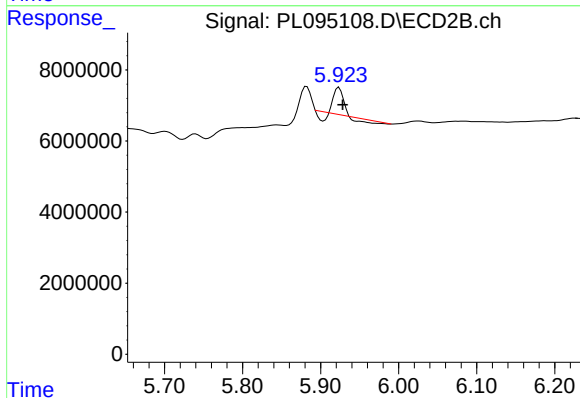
R.T.: 3.259 min
Delta R.T.: -0.016 min
Response: 30606581
Conc: 5.68 ng/ml



#15 Endosulfan II

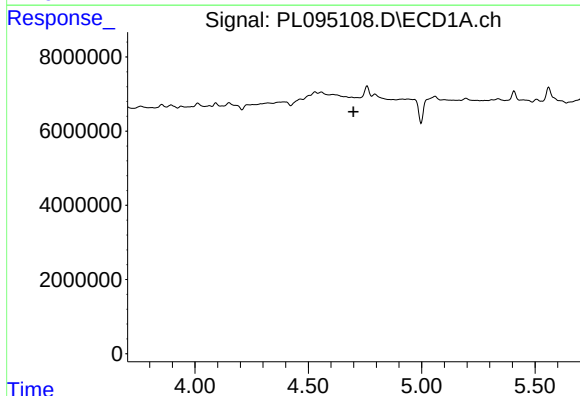
R.T.: 6.823 min
Delta R.T.: 0.029 min
Response: 10993012
Conc: 4.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325



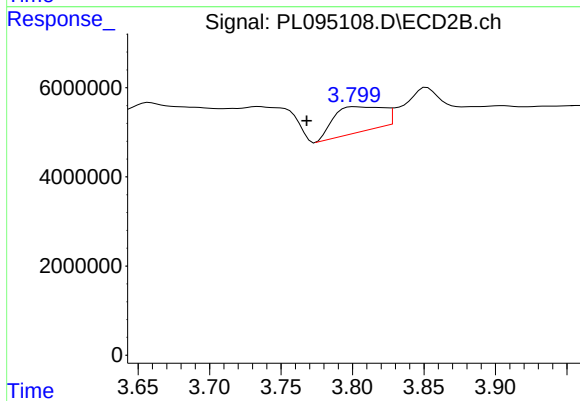
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 3646094
Conc: 0.84 ng/ml



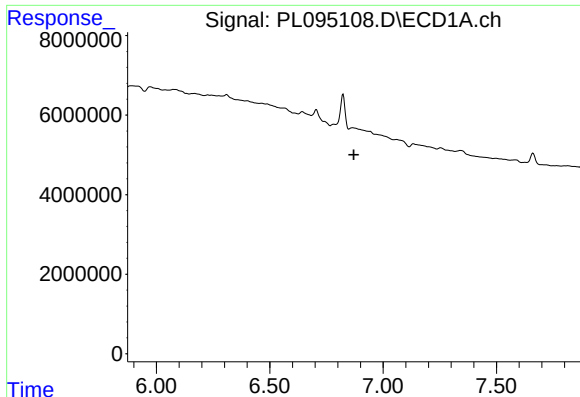
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

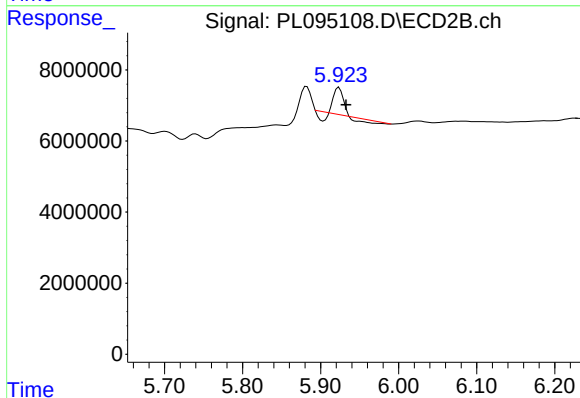
R.T.: 3.802 min
Delta R.T.: 0.034 min
Response: 13611996
Conc: 90.13 ng/ml



#27 Chlordane-5

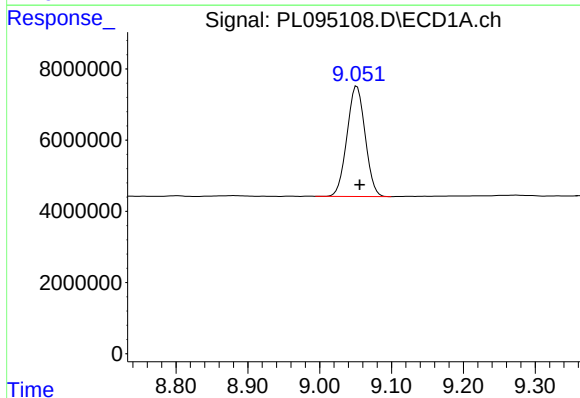
R.T.: 0.000 min
Exp R.T.: 6.871 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-17-040325



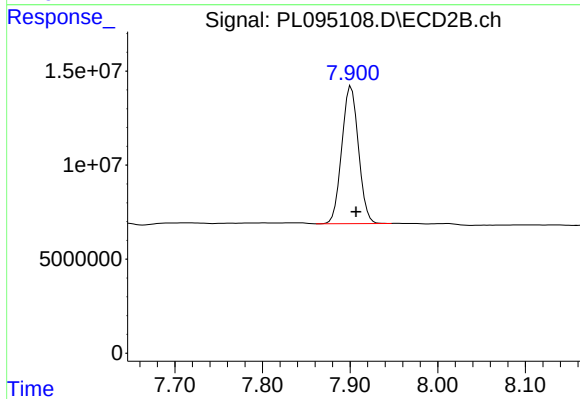
#27 Chlordane-5

R.T.: 5.924 min
Delta R.T.: -0.009 min
Response: 3646094
Conc: 19.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 54290166
Conc: 25.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 96611536
Conc: 23.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095111.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 14:52
 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 08 22:42:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.768	131.9E6	181.9E6	46.598	50.971
28)	SA Decachlor...	9.052	7.901	106.6E6	195.2E6	50.603	48.315
Target Compounds							
2)	A alpha-BHC	3.991	3.270	193.4E6	277.1E6	46.585	51.404
3)	MA gamma-BHC...	4.323	3.599	186.2E6	260.9E6	46.672	50.766
4)	MA Heptachlor	4.911	3.937	176.2E6	258.1E6	45.399	48.989
5)	MB Aldrin	5.253	4.216	167.4E6	240.2E6	45.334	49.257
6)	B beta-BHC	4.523	3.900	85010383	113.2E6	46.071	50.979
7)	B delta-BHC	4.770	4.129	183.7E6	259.1E6	47.160	51.796
8)	B Heptachlo...	5.679	4.719	152.3E6	223.0E6	45.530	48.713
9)	A Endosulfan I	6.066	5.088	144.9E6	205.6E6	47.198	46.846
10)	B gamma-Chl...	5.937	4.969	157.2E6	235.0E6	46.662	48.678
11)	B alpha-Chl...	6.015	5.032	154.9E6	230.7E6	46.998	48.339
12)	B 4,4'-DDE	6.189	5.221	152.9E6	243.1E6	51.965	52.290
13)	MA Dieldrin	6.341	5.353	153.8E6	245.3E6	48.076	50.558
14)	MA Endrin	6.571	5.629	128.9E6	215.5E6	46.511	49.395
15)	B Endosulfa...	6.791	5.924	131.8E6	208.4E6	48.549	48.156
16)	A 4,4'-DDD	6.707	5.776	118.4E6	187.2E6	54.656	52.046
17)	MA 4,4'-DDT	7.021	6.027	122.3E6	206.9E6	51.426	51.312
18)	B Endrin al...	6.921	6.103	99583075	159.1E6	47.174	47.281
19)	B Endosulfa...	7.157	6.326	116.2E6	199.3E6	47.797	48.932
20)	A Methoxychlor	7.498	6.602	64388294	114.9E6	53.788	54.160
21)	B Endrin ke...	7.642	6.831	127.4E6	250.6E6	48.202	52.511
22)	Mirex	8.114	7.010	94272203	188.7E6	45.624	49.722
24)	Chlordane-2	5.253f	0.000	167.4E6	0	1106.261	N.D. #
25)	Chlordane-3	5.937	4.969	157.2E6	235.0E6	314.558	441.802 #
26)	Chlordane-4	6.015	5.032	154.9E6	230.7E6	263.022	443.200 #
27)	Chlordane-5	0.000	5.924	0	208.4E6	N.D.	1086.513 #

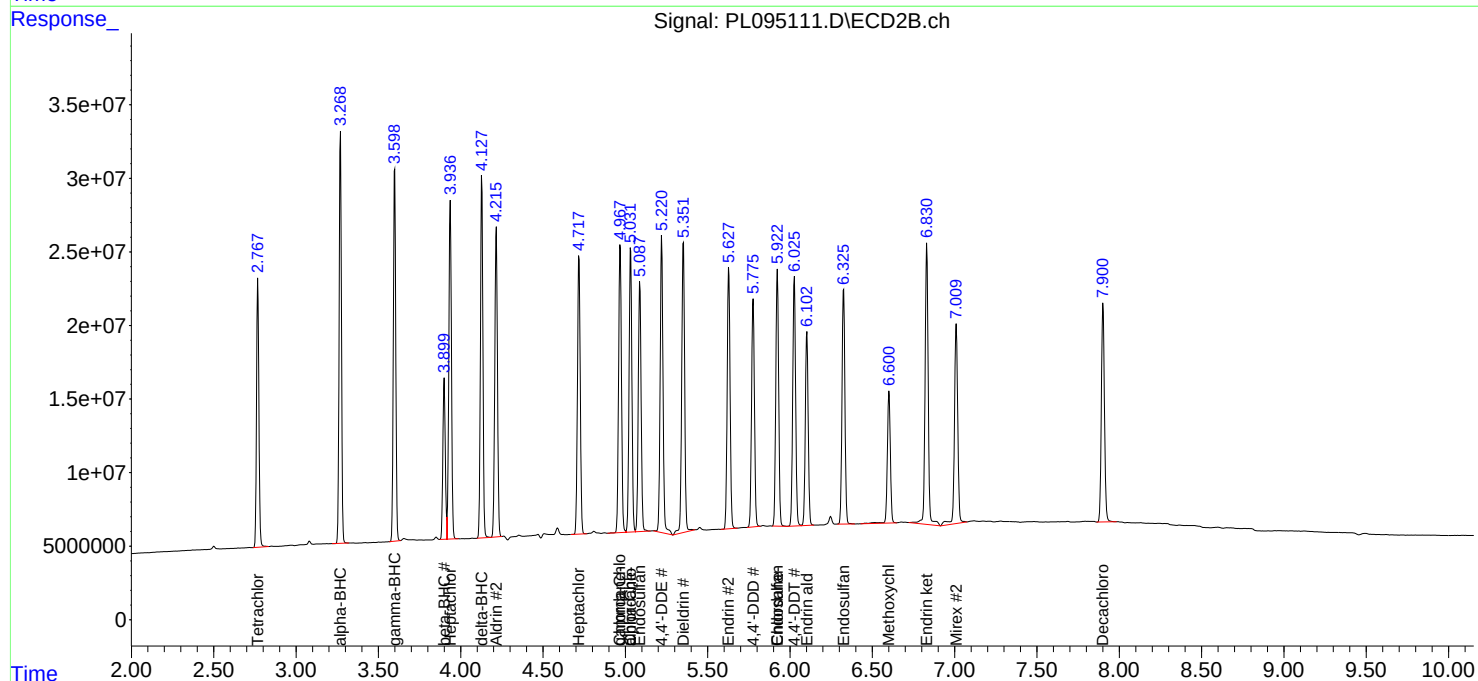
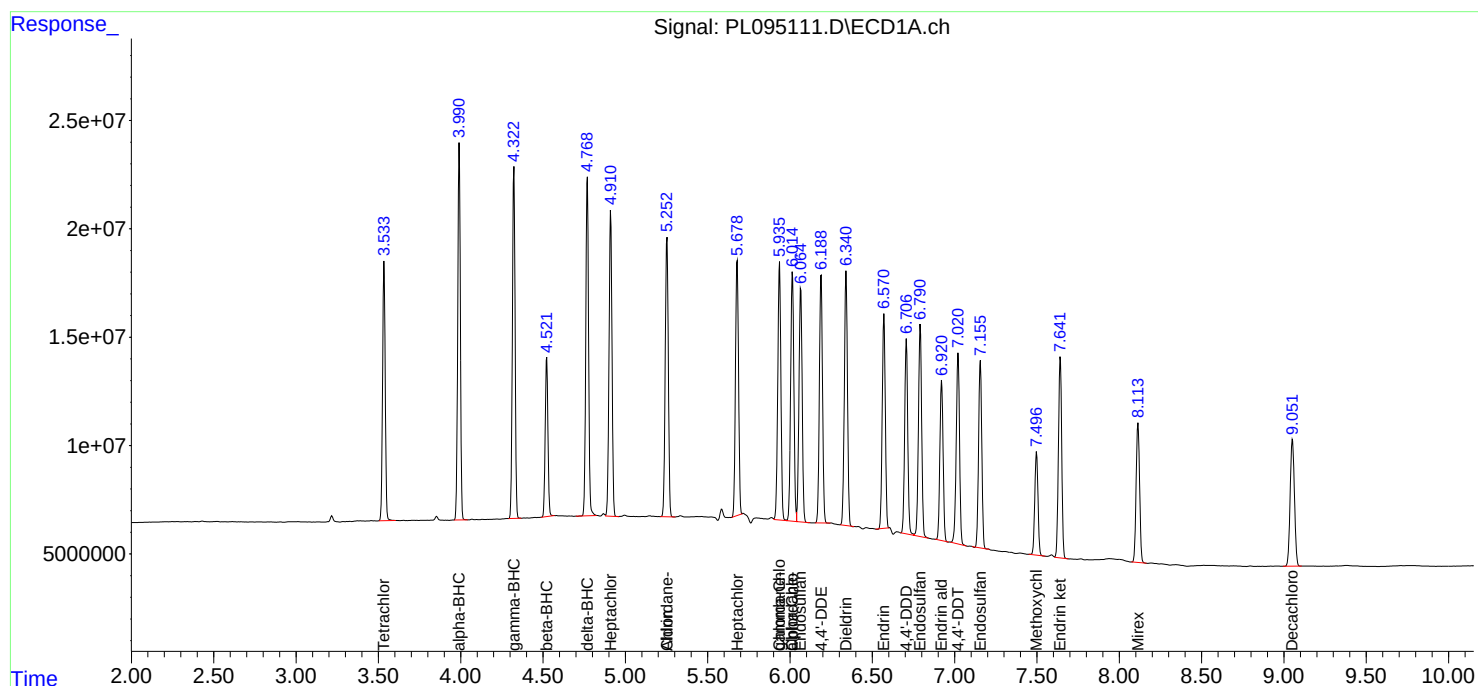
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

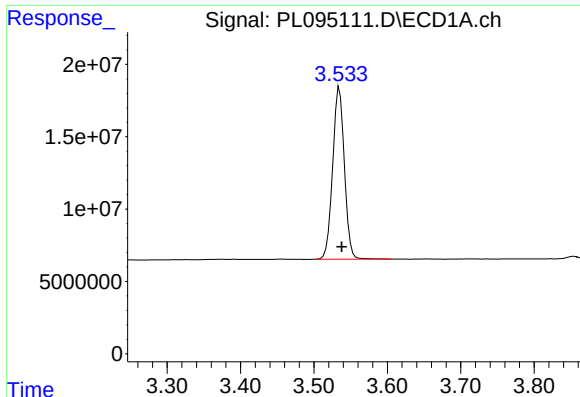
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:42:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

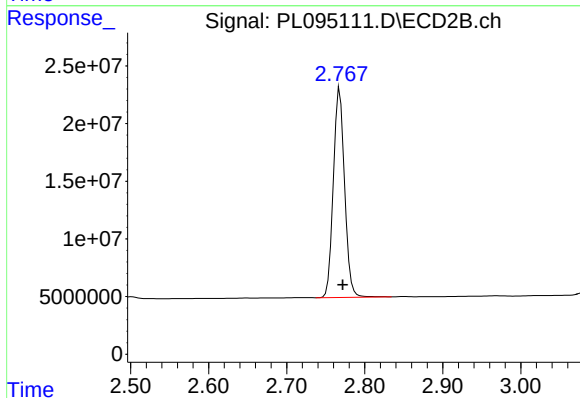




#1 Tetrachloro-m-xylene

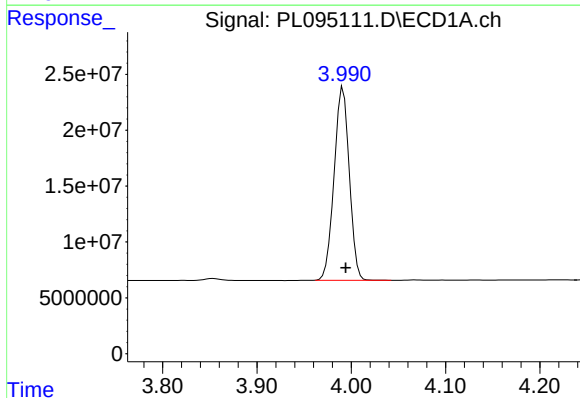
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 131903755
Conc: 46.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



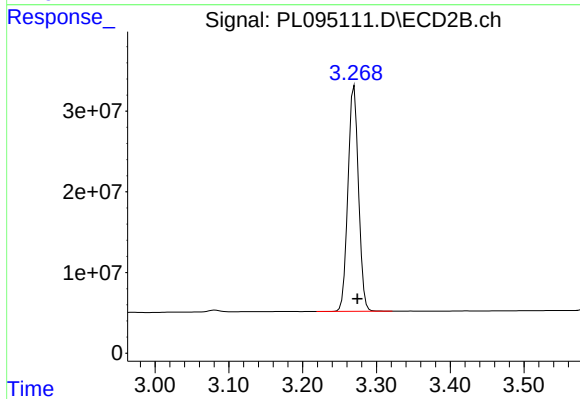
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 181927605
Conc: 50.97 ng/ml



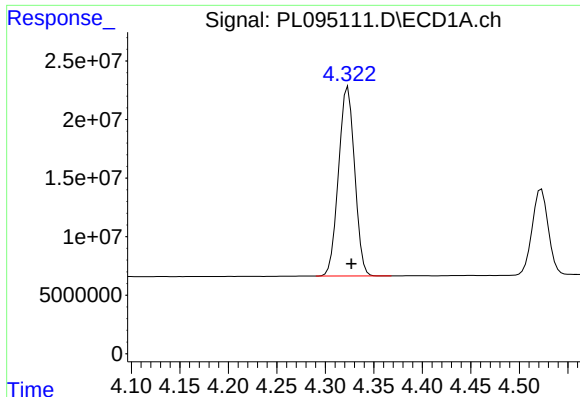
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 193438807
Conc: 46.59 ng/ml



#2 alpha-BHC

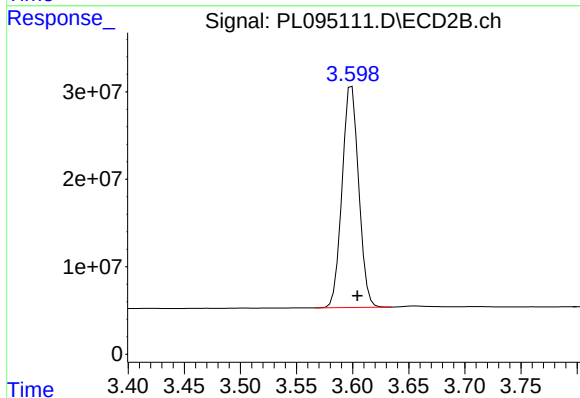
R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 277136711
Conc: 51.40 ng/ml



#3 gamma-BHC (Lindane)

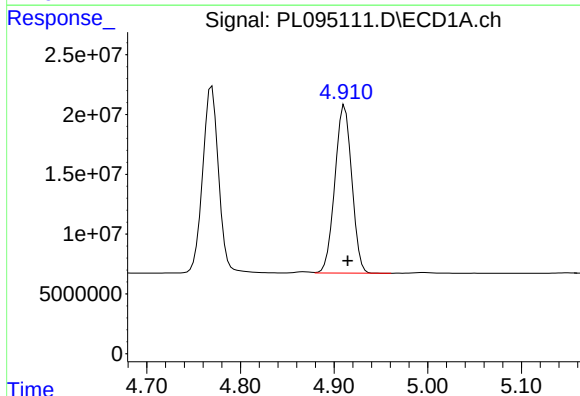
R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 186234826
Conc: 46.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



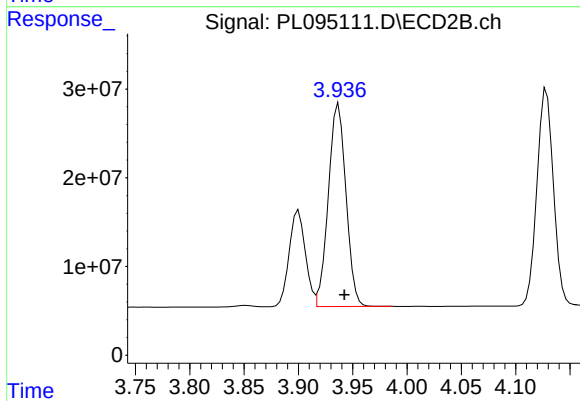
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 260907537
Conc: 50.77 ng/ml



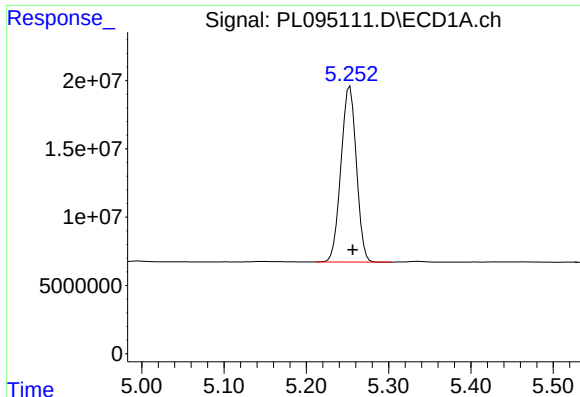
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 176223119
Conc: 45.40 ng/ml



#4 Heptachlor

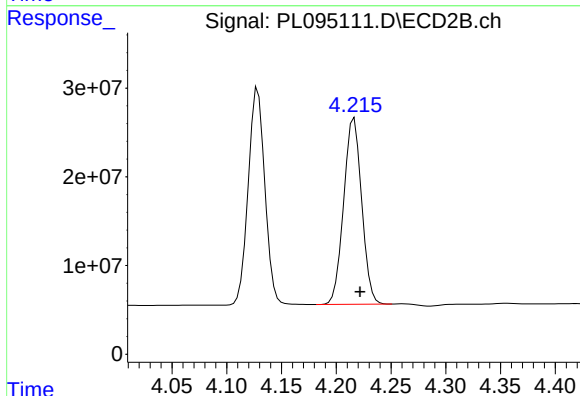
R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 258107621
Conc: 48.99 ng/ml



#5 Aldrin

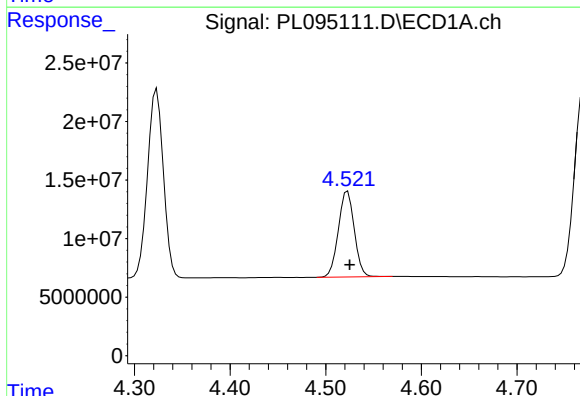
R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 167383046
Conc: 45.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



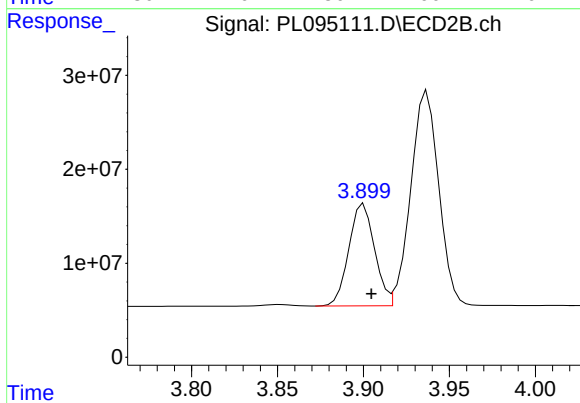
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 240194567
Conc: 49.26 ng/ml



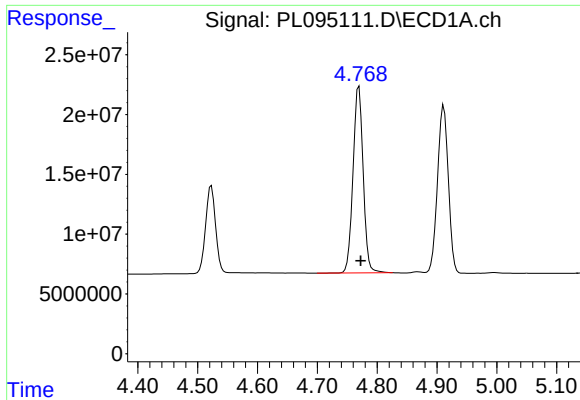
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 85010383
Conc: 46.07 ng/ml



#6 beta-BHC

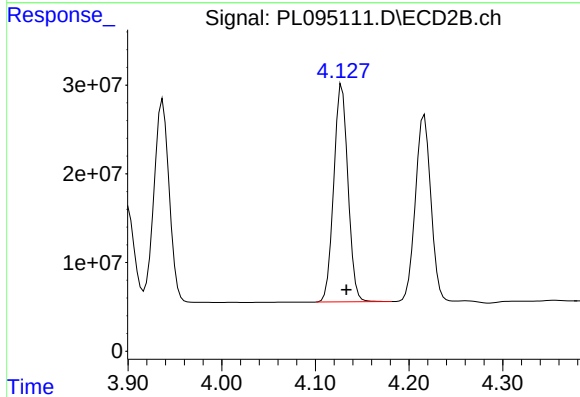
R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 113238946
Conc: 50.98 ng/ml



#7 delta-BHC

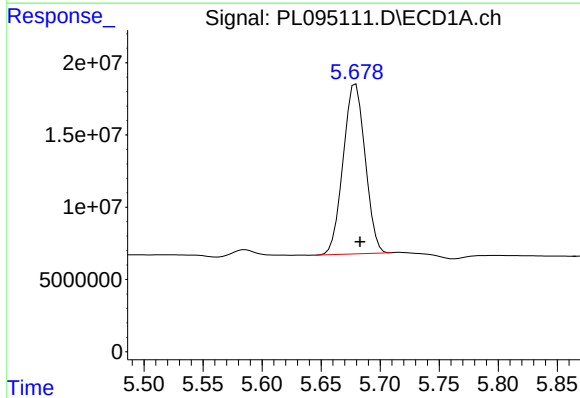
R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 183653833
Conc: 47.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



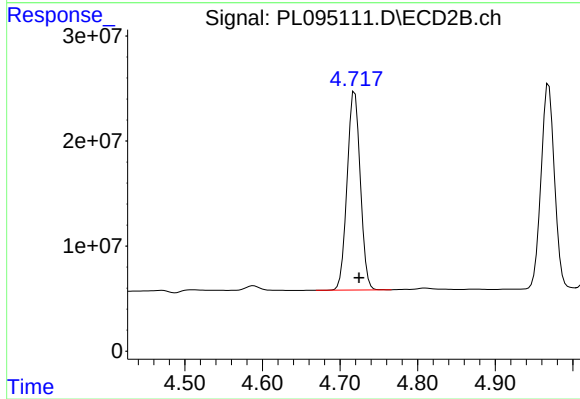
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 259080713
Conc: 51.80 ng/ml



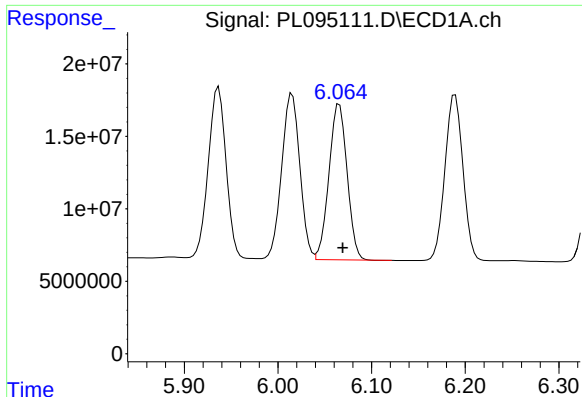
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 152307029
Conc: 45.53 ng/ml



#8 Heptachlor epoxide

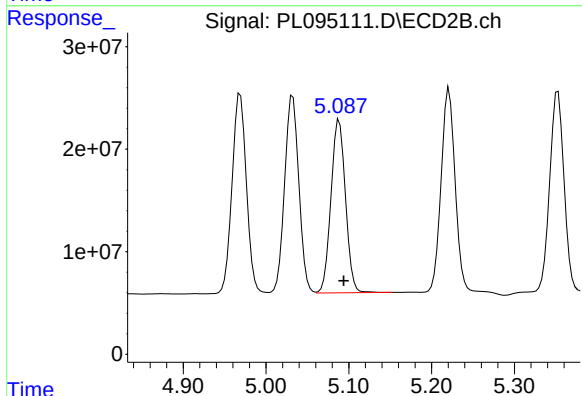
R.T.: 4.719 min
Delta R.T.: -0.006 min
Response: 223037361
Conc: 48.71 ng/ml



#9 Endosulfan I

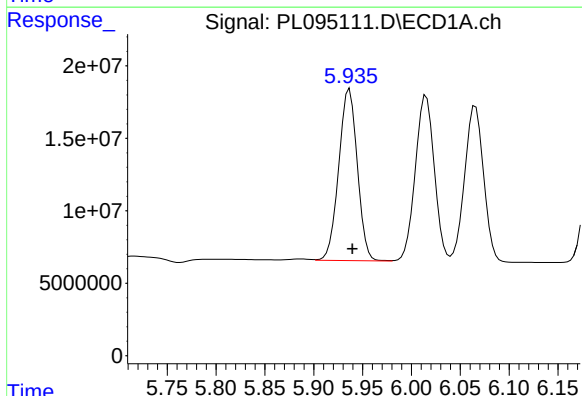
R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 144908357
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



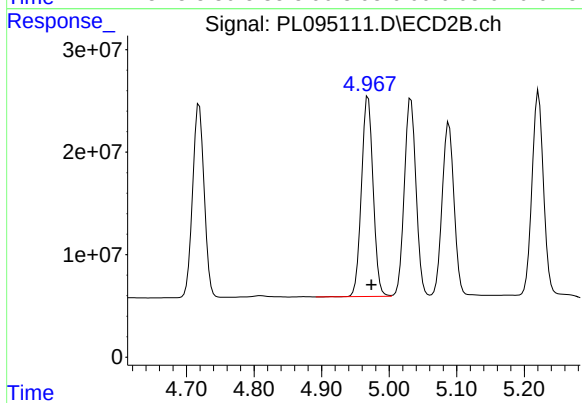
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 205592648
Conc: 46.85 ng/ml



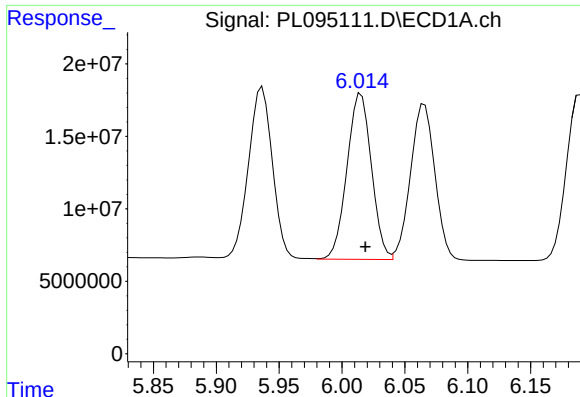
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 157222762
Conc: 46.66 ng/ml



#10 gamma-Chlordane

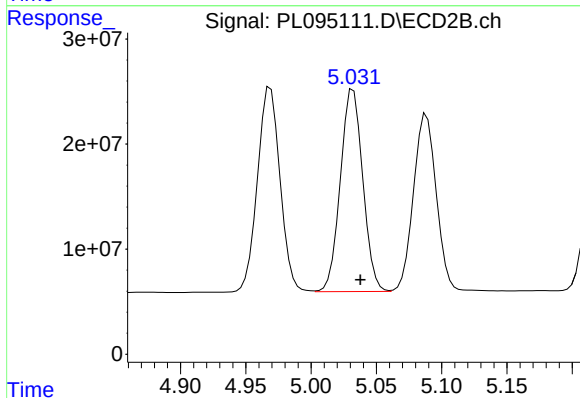
R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 235037857
Conc: 48.68 ng/ml



#11 alpha-Chlordane

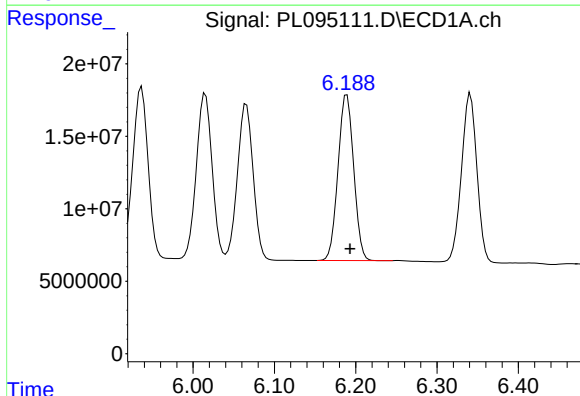
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 154944597
Conc: 47.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



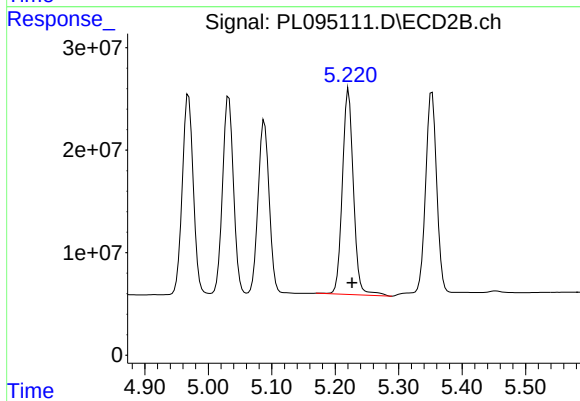
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 230712261
Conc: 48.34 ng/ml



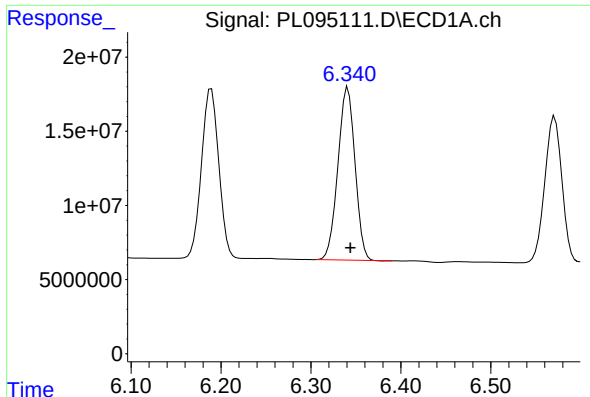
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 152883028
Conc: 51.96 ng/ml



#12 4,4'-DDE

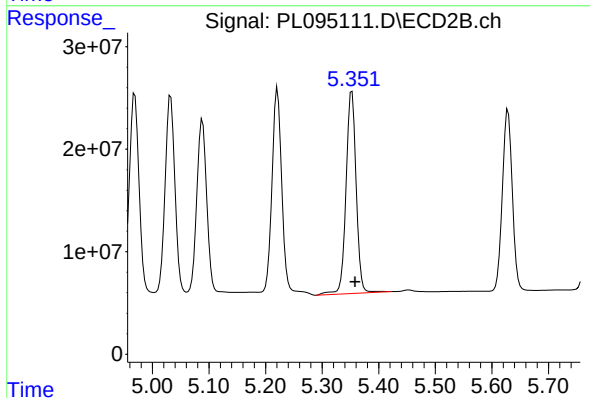
R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 243072022
Conc: 52.29 ng/ml



#13 Dieldrin

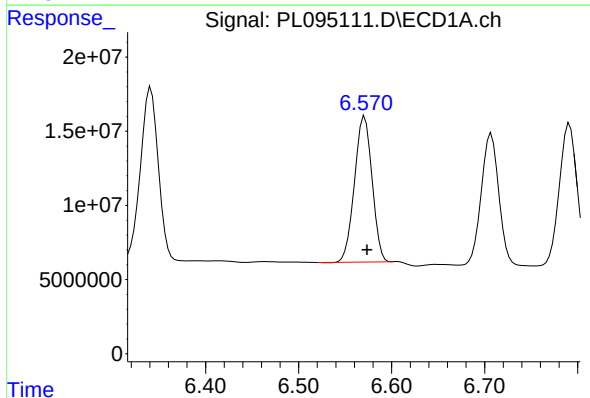
R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 153753388
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



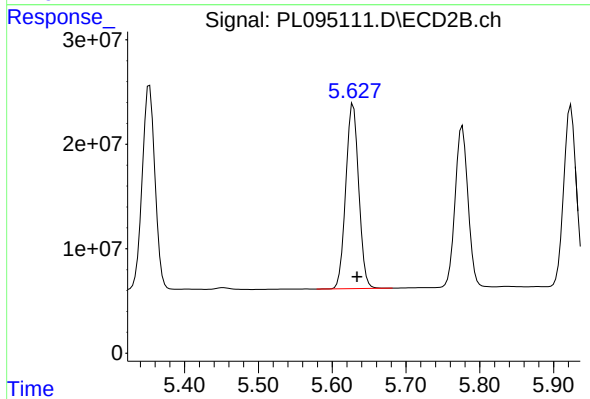
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 245298112
Conc: 50.56 ng/ml



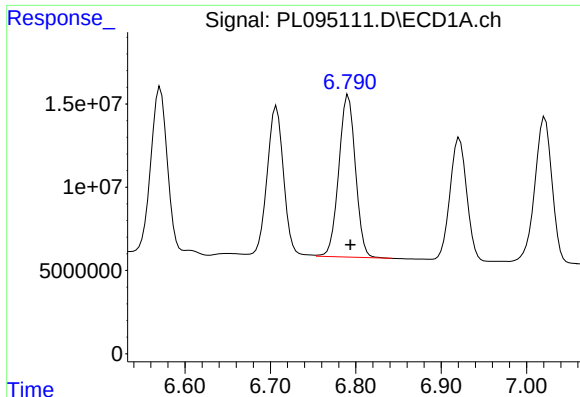
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 128930658
Conc: 46.51 ng/ml



#14 Endrin

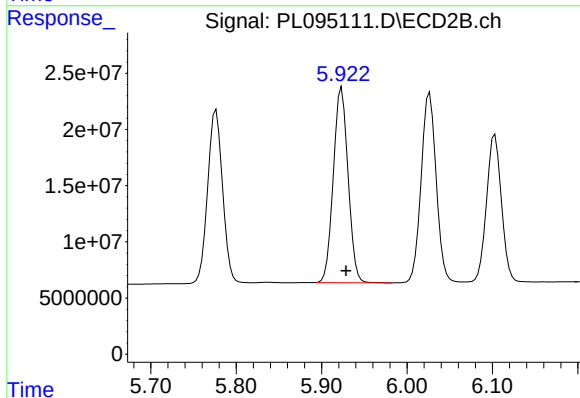
R.T.: 5.629 min
Delta R.T.: -0.005 min
Response: 215544608
Conc: 49.40 ng/ml



#15 Endosulfan II

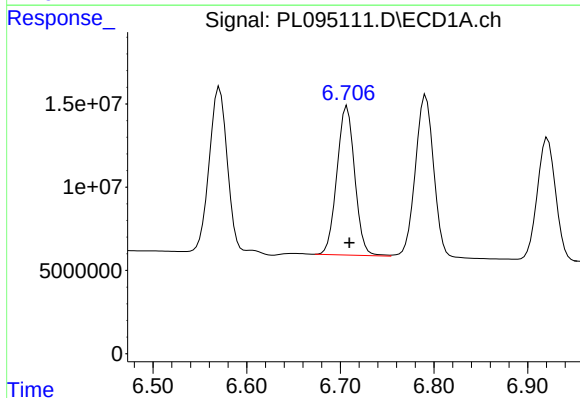
R.T.: 6.791 min
Delta R.T.: -0.002 min
Response: 131798775
Conc: 48.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



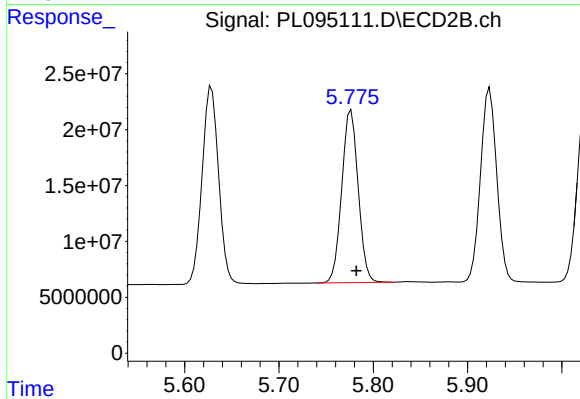
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 208432338
Conc: 48.16 ng/ml



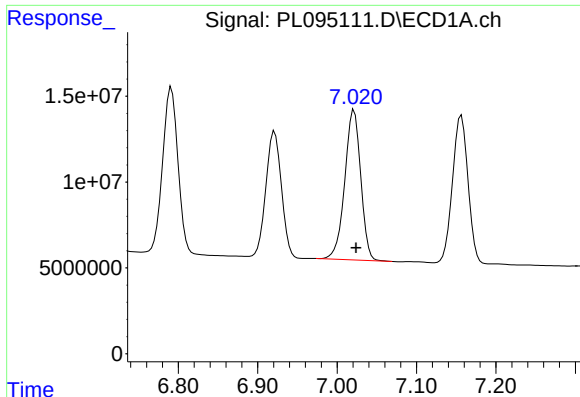
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 118387591
Conc: 54.66 ng/ml



#16 4,4'-DDD

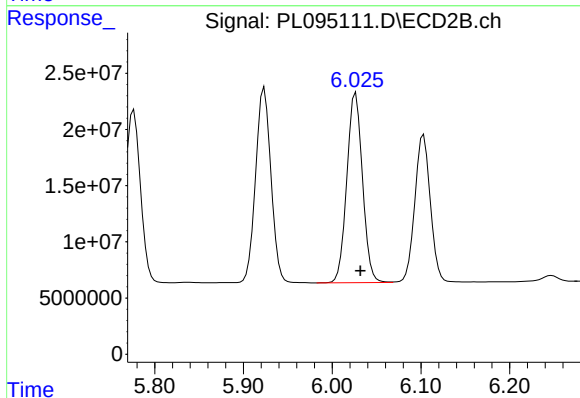
R.T.: 5.776 min
Delta R.T.: -0.005 min
Response: 187152856
Conc: 52.05 ng/ml



#17 4,4'-DDT

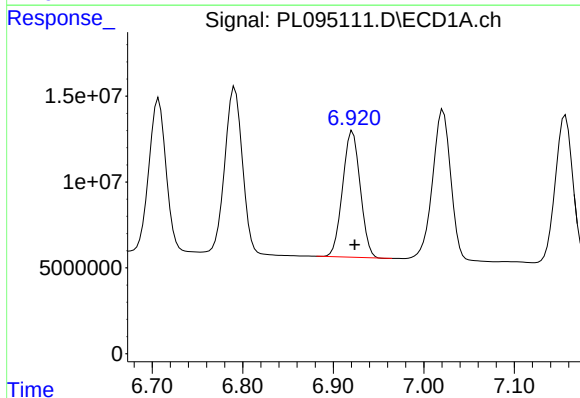
R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 122318603
Conc: 51.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



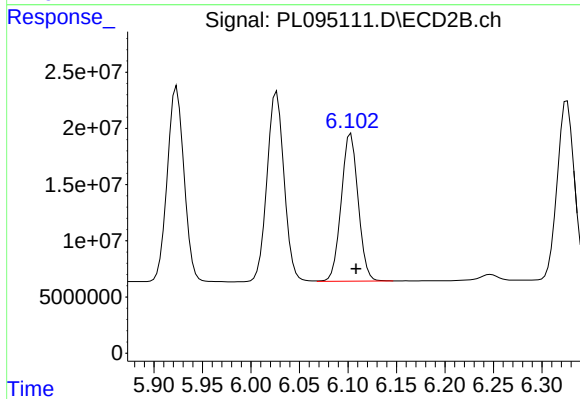
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 206897192
Conc: 51.31 ng/ml



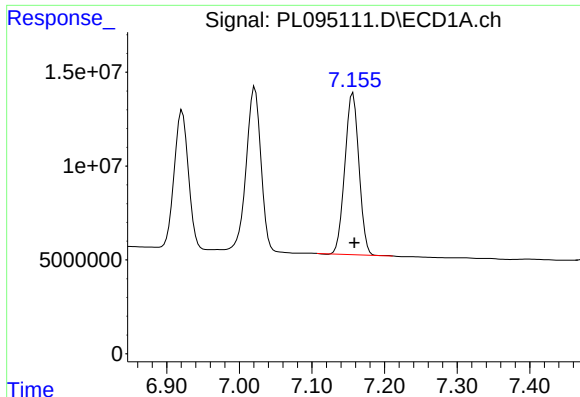
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 99583075
Conc: 47.17 ng/ml



#18 Endrin aldehyde

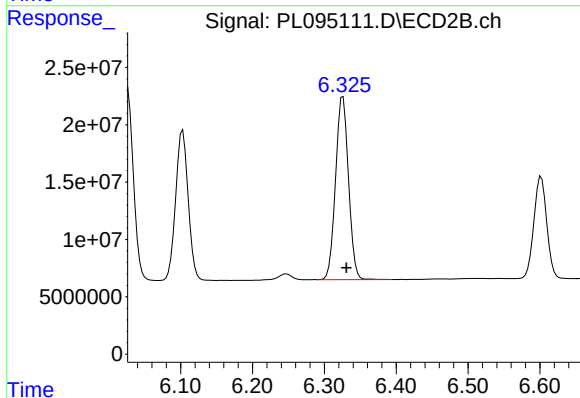
R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 159118631
Conc: 47.28 ng/ml



#19 Endosulfan Sulfate

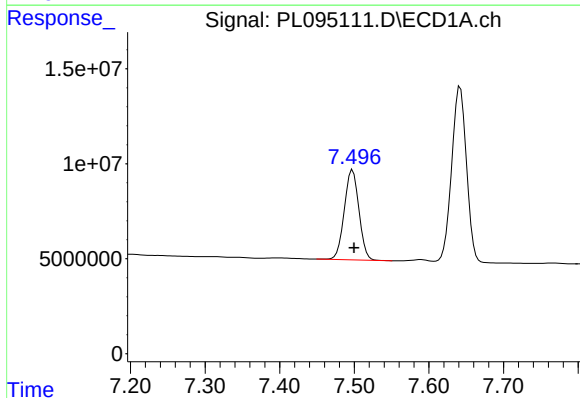
R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 116242472
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



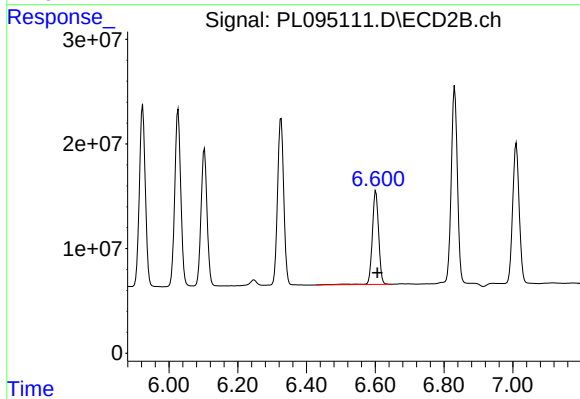
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 199319858
Conc: 48.93 ng/ml



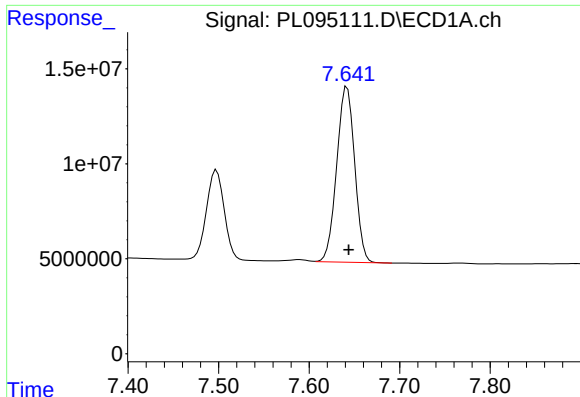
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 64388294
Conc: 53.79 ng/ml



#20 Methoxychlor

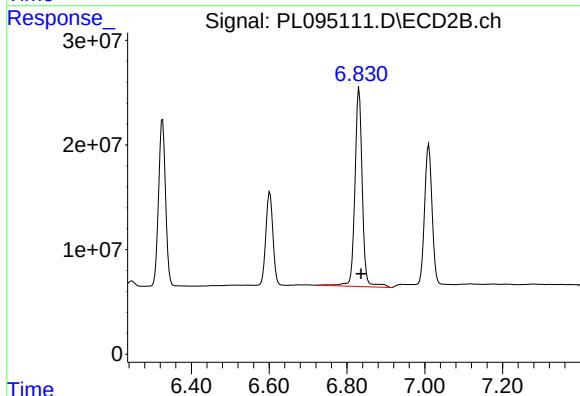
R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 114876616
Conc: 54.16 ng/ml



#21 Endrin ketone

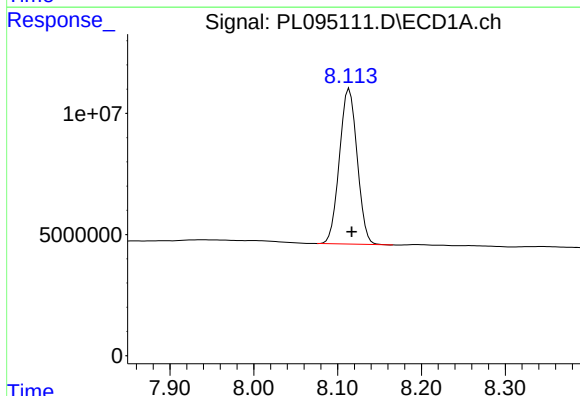
R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 127409859
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



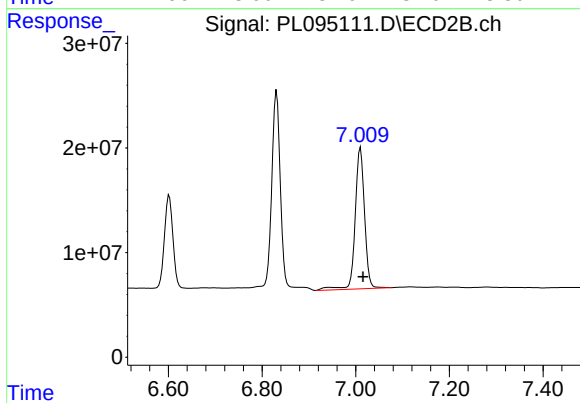
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 250613212
Conc: 52.51 ng/ml



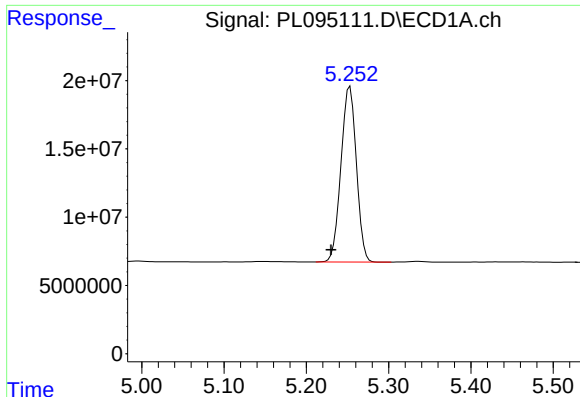
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 94272203
Conc: 45.62 ng/ml



#22 Mirex

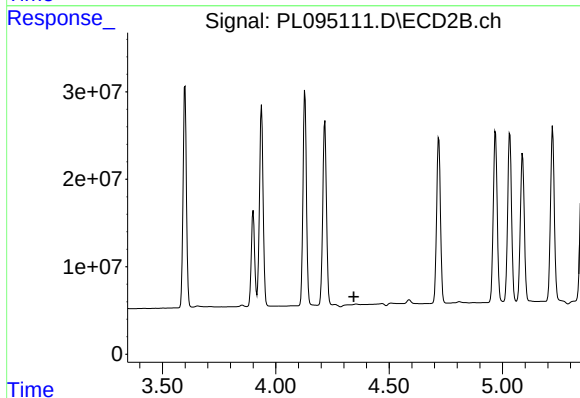
R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 188710449
Conc: 49.72 ng/ml



#24 Chlordane-2

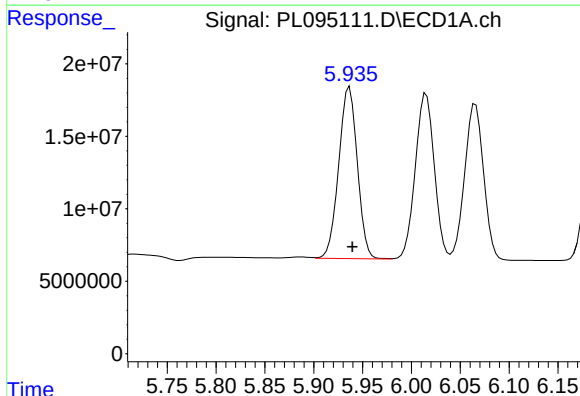
R.T.: 5.253 min
Delta R.T.: 0.023 min
Response: 167383046
Conc: 1106.26 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



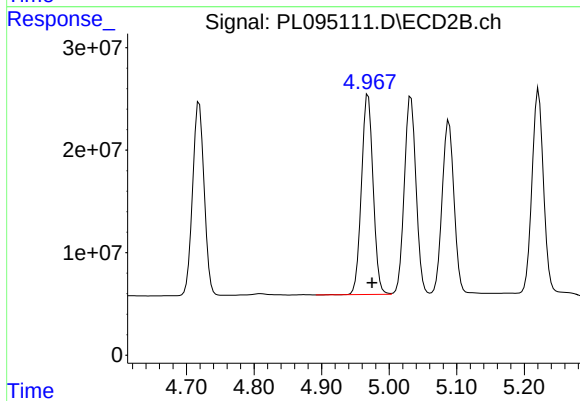
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



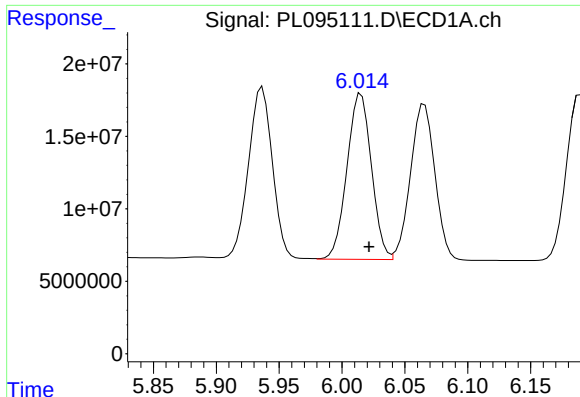
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 157222762
Conc: 314.56 ng/ml



#25 Chlordane-3

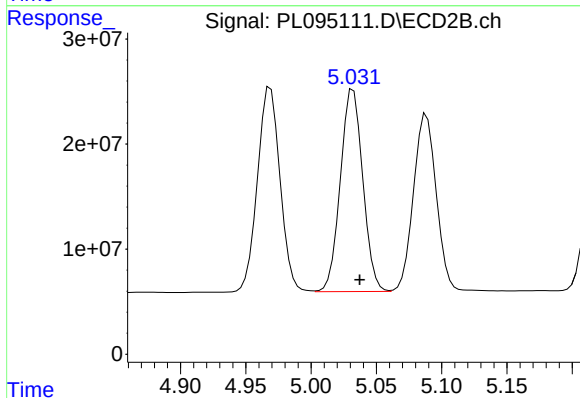
R.T.: 4.969 min
Delta R.T.: -0.006 min
Response: 235037857
Conc: 441.80 ng/ml



#26 Chlordane-4

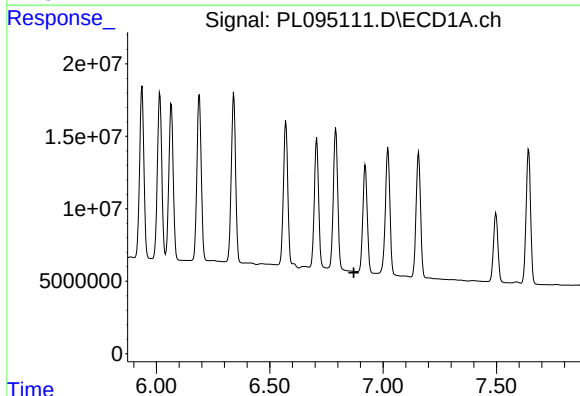
R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 154944597
Conc: 263.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



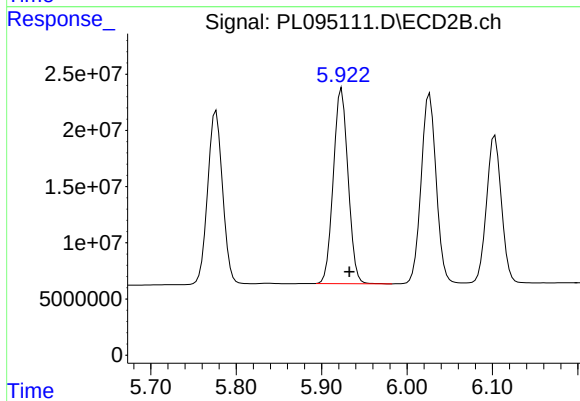
#26 Chlordane-4

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 230712261
Conc: 443.20 ng/ml



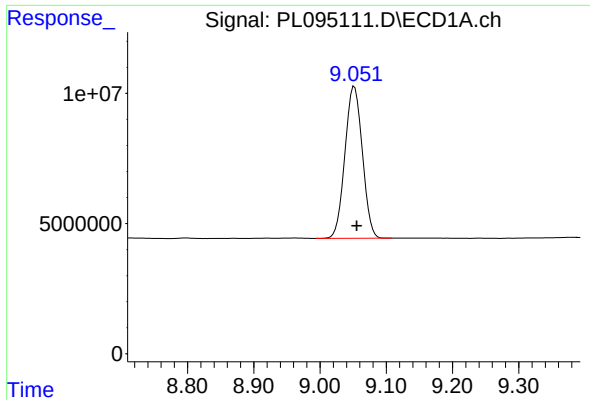
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

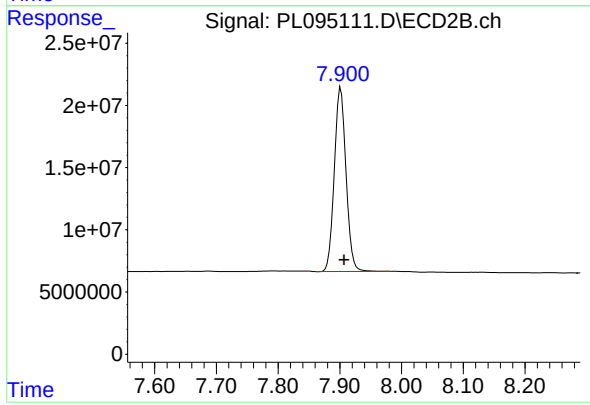
R.T.: 5.924 min
Delta R.T.: -0.009 min
Response: 208432338
Conc: 1086.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 106643668
Conc: 50.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 195160310
Conc: 48.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 08:43
 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 10 01:23:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.770	66485454	87840568	23.488	24.610
28)	SA Decachlor...	9.049	7.900	55100680	99520683	26.146	24.638
Target Compounds							
2)	A alpha-BHC	3.992	3.271	49863923	63272488	12.009	11.736
3)	MA gamma-BHC...	4.324	3.600	48112751	60954572	12.058	11.860
6)	B beta-BHC	4.523	3.901	22215731	29643720	12.040	13.345
12)	B 4,4'-DDE	0.000	5.221	0	75065107	N.D.	16.148 #
14)	MA Endrin	6.570	5.628	170.6E6	253.2E6	61.544	58.023
16)	A 4,4'-DDD	0.000	5.776	0	6607015	N.D.	1.837 #
17)	MA 4,4'-DDT	7.020	6.026	267.5E6	492.5E6	112.466	122.145
18)	B Endrin al...	0.000	6.102	0	7686415	N.D.	2.284 #
20)	A Methoxychlor	7.497	6.600	325.3E6	589.7E6	271.750	277.999
21)	B Endrin ke...	7.639	6.830	9139570	18856274	3.458	3.951

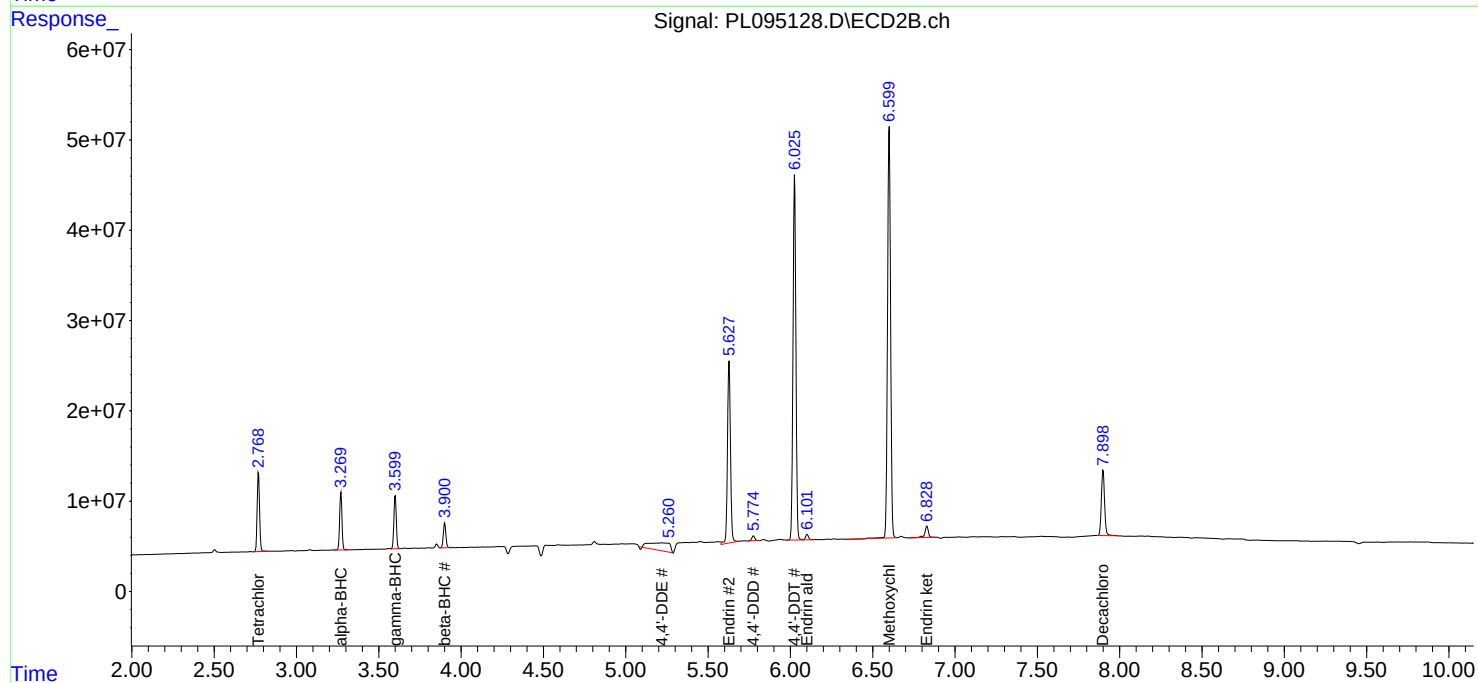
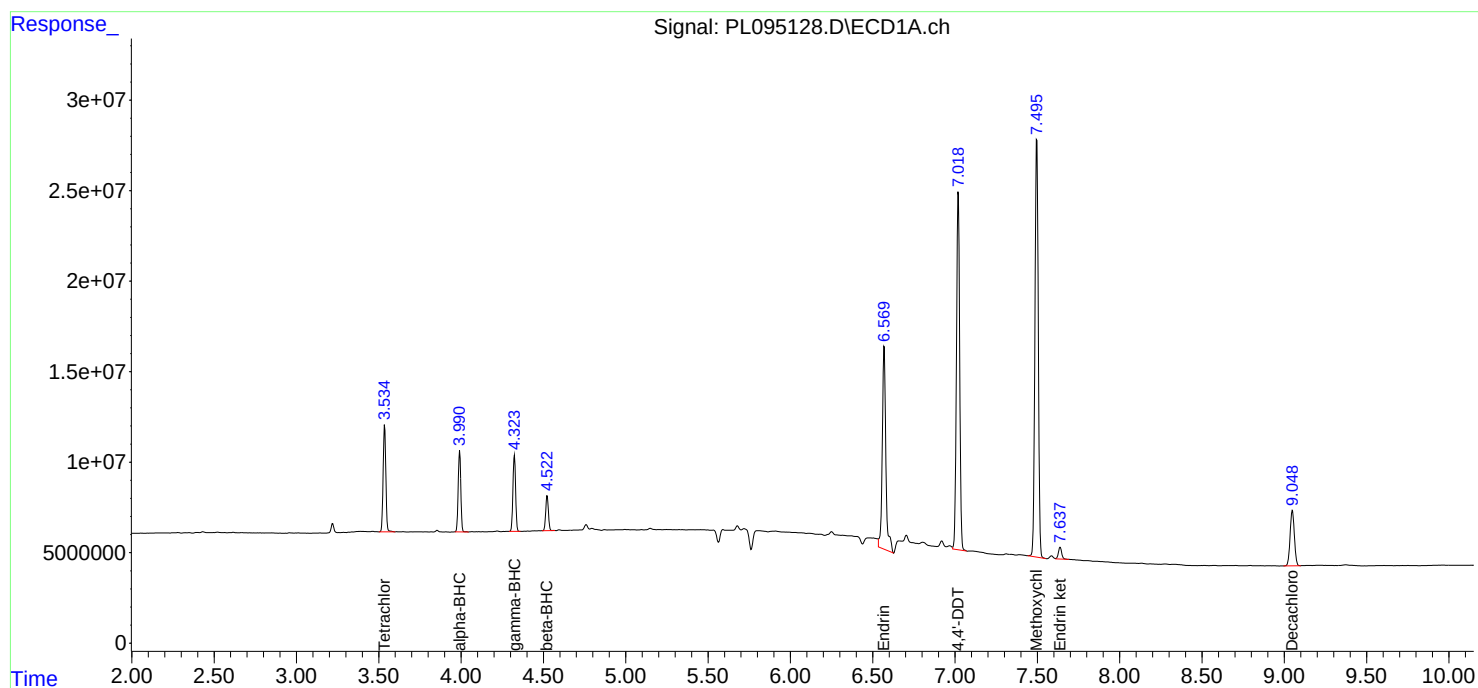
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

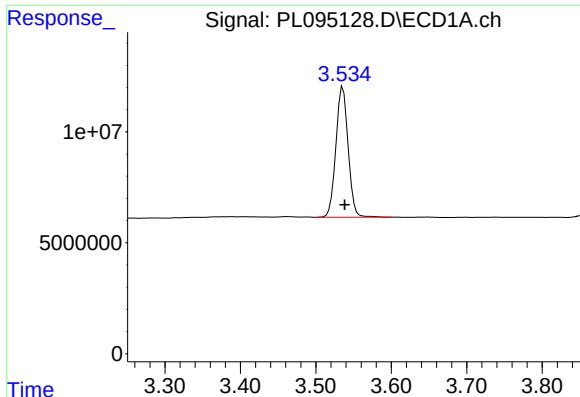
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

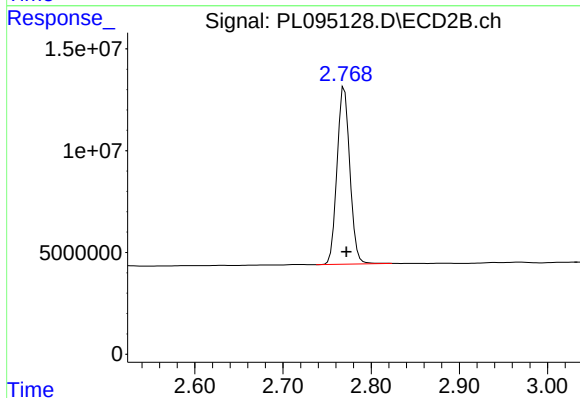




#1 Tetrachloro-m-xylene

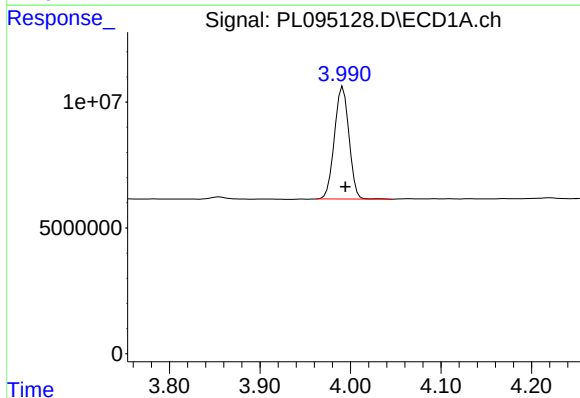
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 66485454
Conc: 23.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



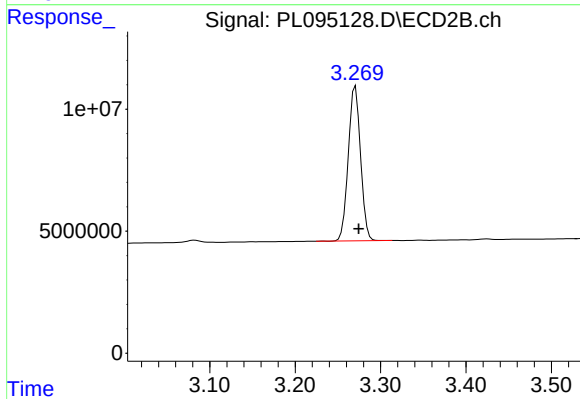
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 87840568
Conc: 24.61 ng/ml



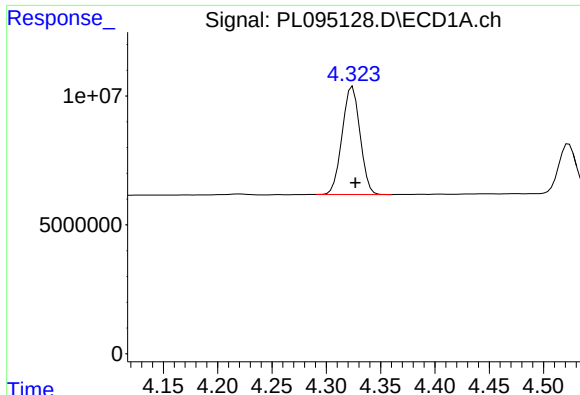
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 49863923
Conc: 12.01 ng/ml



#2 alpha-BHC

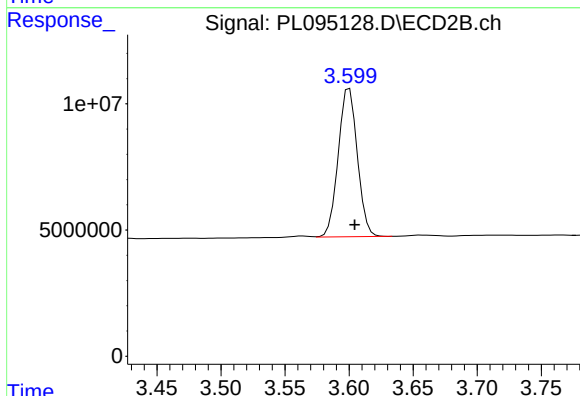
R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 63272488
Conc: 11.74 ng/ml



#3 gamma-BHC (Lindane)

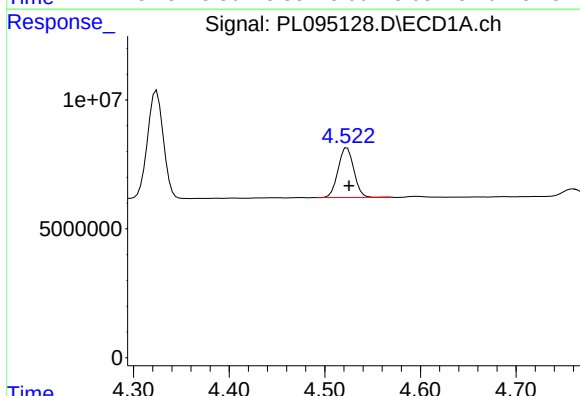
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 48112751
Conc: 12.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



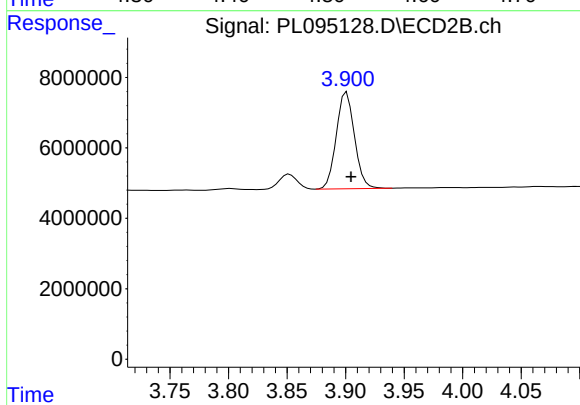
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 60954572
Conc: 11.86 ng/ml



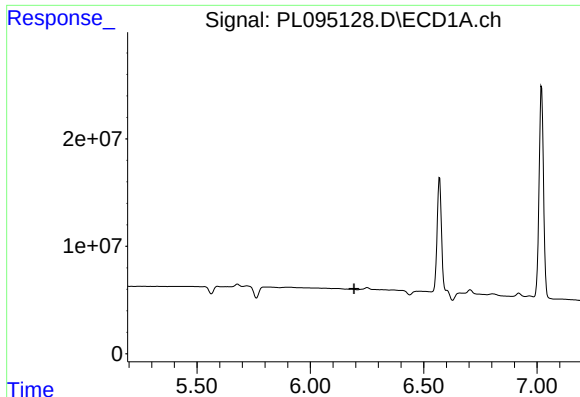
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 22215731
Conc: 12.04 ng/ml



#6 beta-BHC

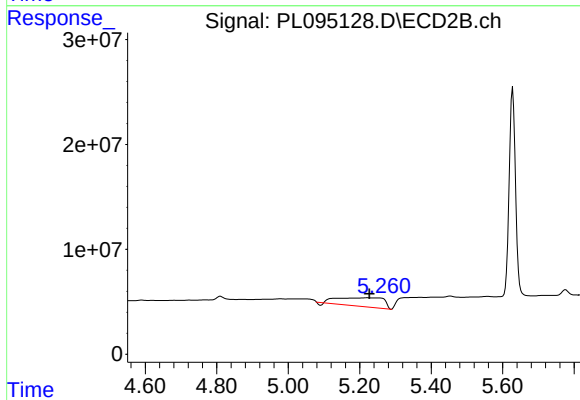
R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 29643720
Conc: 13.35 ng/ml



#12 4,4'-DDE

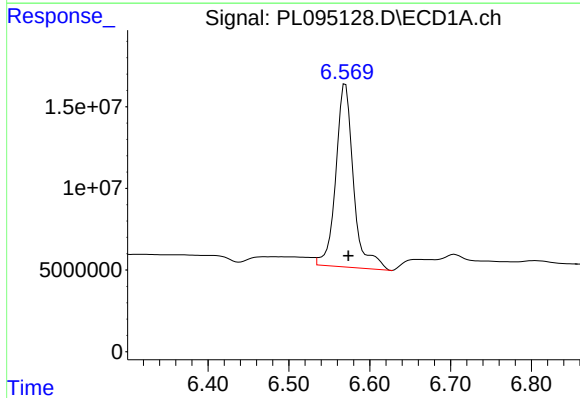
R.T.: 0.000 min
Exp R.T.: 6.193 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



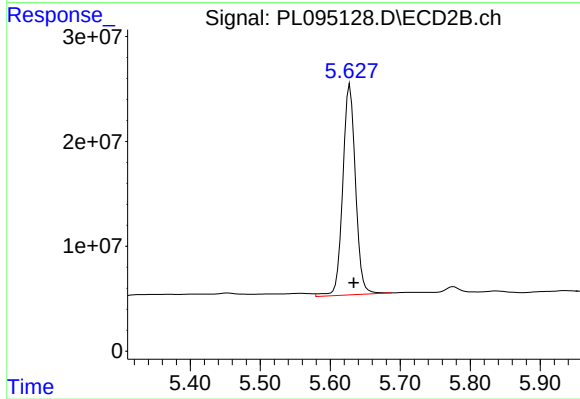
#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 75065107
Conc: 16.15 ng/ml



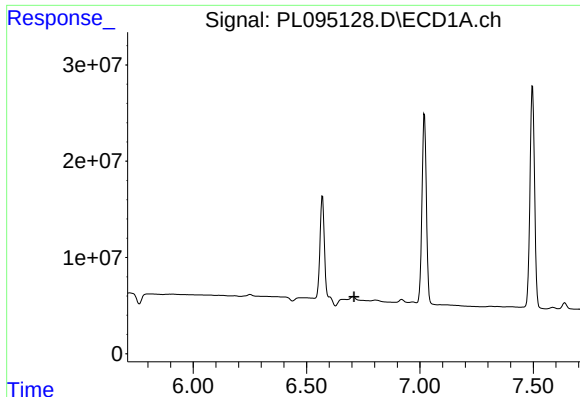
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 170603252
Conc: 61.54 ng/ml



#14 Endrin

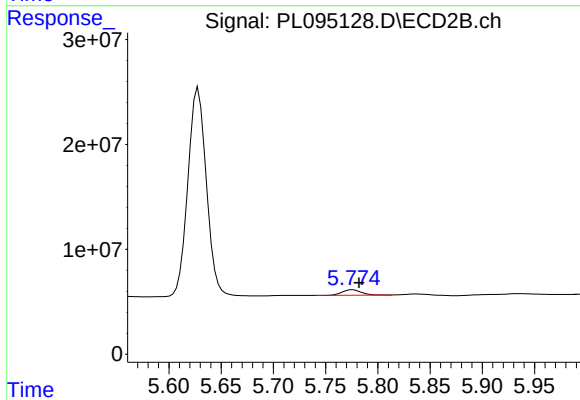
R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 253193554
Conc: 58.02 ng/ml



#16 4,4'-DDD

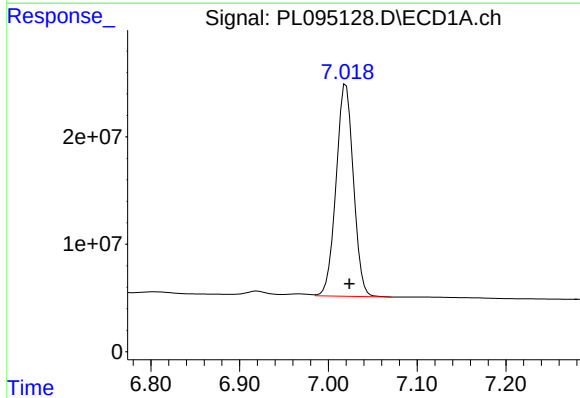
R.T.: 0.000 min
Exp R.T.: 6.710 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



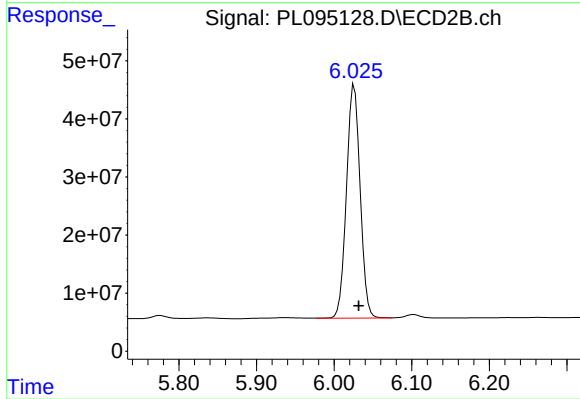
#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 6607015
Conc: 1.84 ng/ml



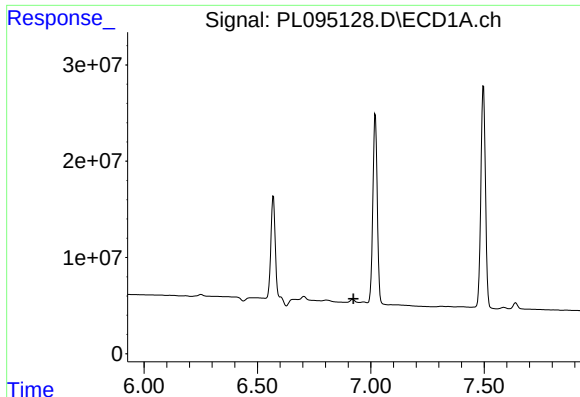
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 267505289
Conc: 112.47 ng/ml



#17 4,4'-DDT

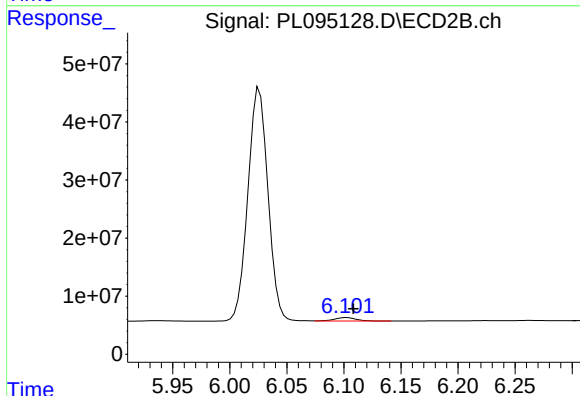
R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 492499876
Conc: 122.14 ng/ml



#18 Endrin aldehyde

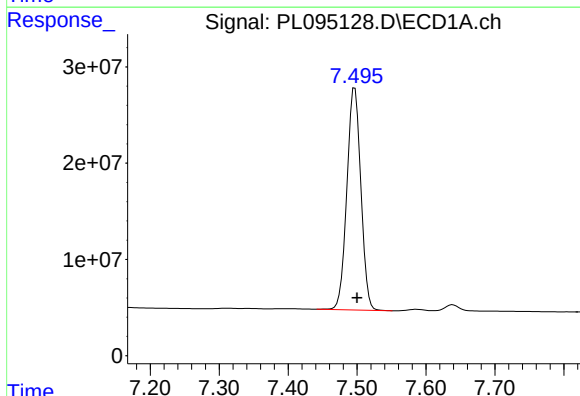
R.T.: 0.000 min
Exp R.T.: 6.924 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



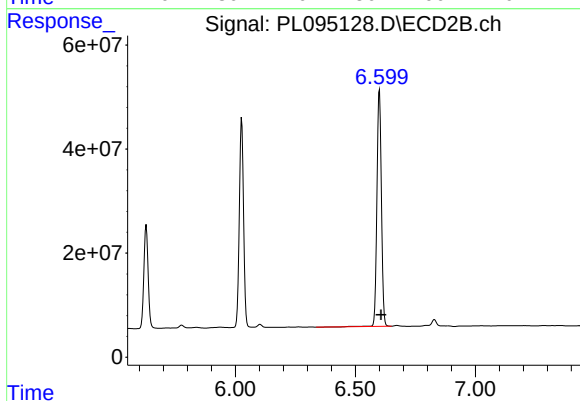
#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 7686415
Conc: 2.28 ng/ml



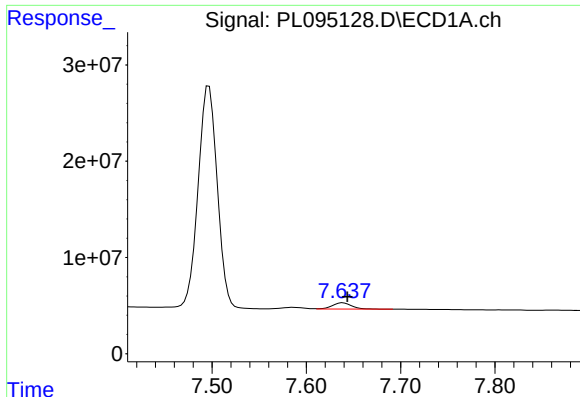
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 325303951
Conc: 271.75 ng/ml



#20 Methoxychlor

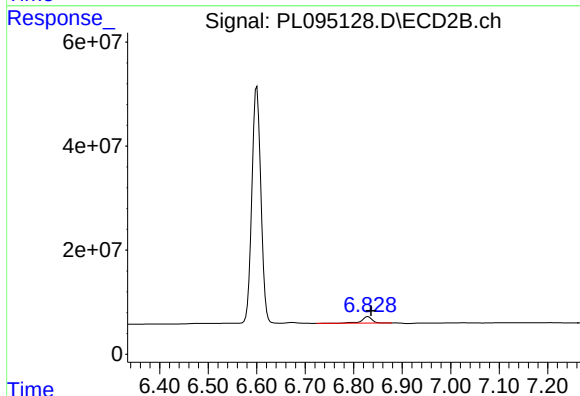
R.T.: 6.600 min
Delta R.T.: -0.006 min
Response: 589654342
Conc: 278.00 ng/ml



#21 Endrin ketone

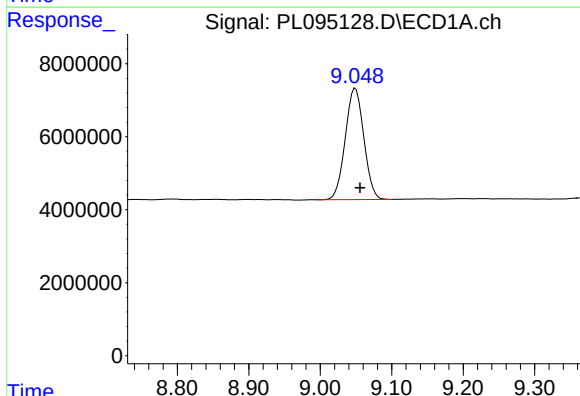
R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 9139570
Conc: 3.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



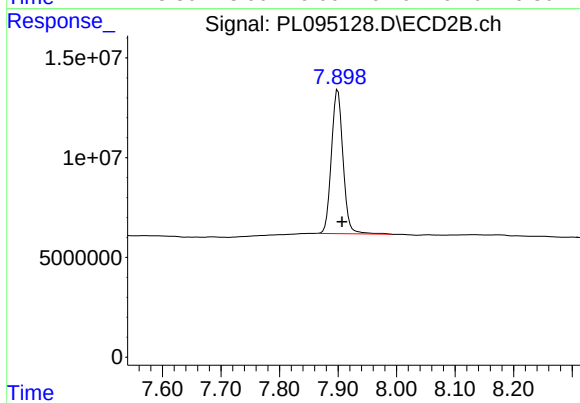
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 18856274
Conc: 3.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 55100680
Conc: 26.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 99520683
Conc: 24.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 08:57
 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 10 01:23:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.769	133.7E6	184.7E6	47.229	51.760
28)	SA Decachlor...	9.049	7.899	107.0E6	199.1E6	50.796	49.289
Target Compounds							
2)	A alpha-BHC	3.991	3.271	194.3E6	282.8E6	46.789	52.458
3)	MA gamma-BHC...	4.323	3.600	187.0E6	267.1E6	46.873	51.970
4)	MA Heptachlor	4.911	3.937	174.9E6	259.8E6	45.050	49.314
5)	MB Aldrin	5.252	4.216	167.5E6	243.7E6	45.373	49.981
6)	B beta-BHC	4.523	3.900	85729976	116.4E6	46.461	52.412
7)	B delta-BHC	4.769	4.129	185.5E6	263.5E6	47.637	52.682
8)	B Heptachlo...	5.679	4.718	152.7E6	225.5E6	45.658	49.258
9)	A Endosulfan I	6.065	5.088	143.2E6	216.8E6	46.628	49.404
10)	B gamma-Chl...	5.935	4.968	156.0E6	241.6E6	46.304	50.027
11)	B alpha-Chl...	6.014	5.032	153.5E6	239.5E6	46.548	50.174
12)	B 4,4'-DDE	6.188	5.220	150.1E6	266.6E6	51.034	57.355
13)	MA Dieldrin	6.339	5.352	150.3E6	256.1E6	46.993	52.778
14)	MA Endrin	6.569	5.627	135.2E6	214.5E6	48.757	49.153
15)	B Endosulfa...	6.790	5.922	130.6E6	211.3E6	48.118	48.827
16)	A 4,4'-DDD	6.705	5.775	117.6E6	192.4E6	54.313	53.495
17)	MA 4,4'-DDT	7.019	6.024	120.6E6	203.4E6	50.710	50.449
18)	B Endrin al...	6.919	6.101	99603103	158.6E6	47.183	47.129
19)	B Endosulfa...	7.154	6.324	118.0E6	199.8E6	48.506	49.048
20)	A Methoxychlor	7.496	6.599	64342499	106.5E6	53.750	50.193
21)	B Endrin ke...	7.639	6.829	128.2E6	252.7E6	48.508	52.958
22)	Mirex	8.111	7.008	94808633	181.2E6	45.884	47.754
24)	Chlordane-2	5.252f	4.356	167.5E6	-2917304	1107.201	N.D. #
25)	Chlordane-3	5.935	4.968	156.0E6	241.6E6	312.140	454.044 #
26)	Chlordane-4	6.014	5.032	153.5E6	239.5E6	260.503	460.021 #
27)	Chlordane-5	0.000	5.922	0	211.3E6	N.D.	1101.655 #

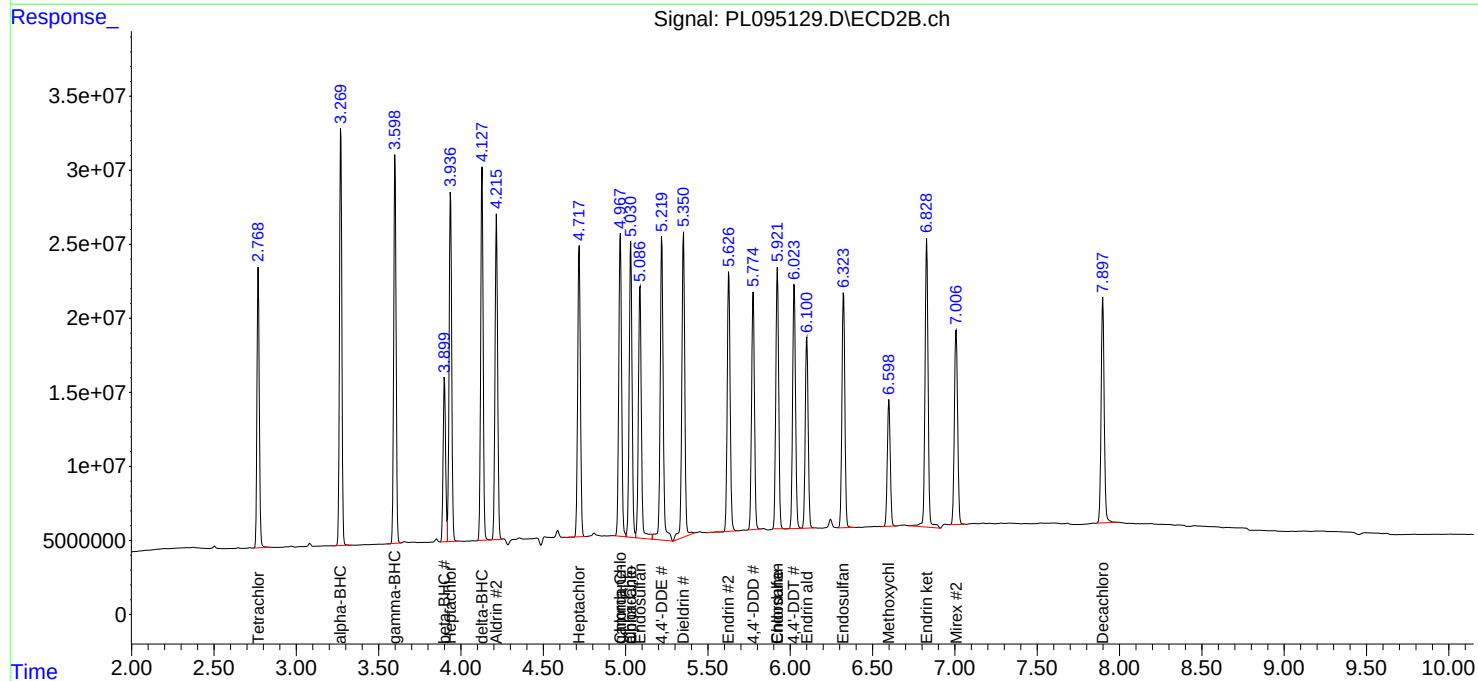
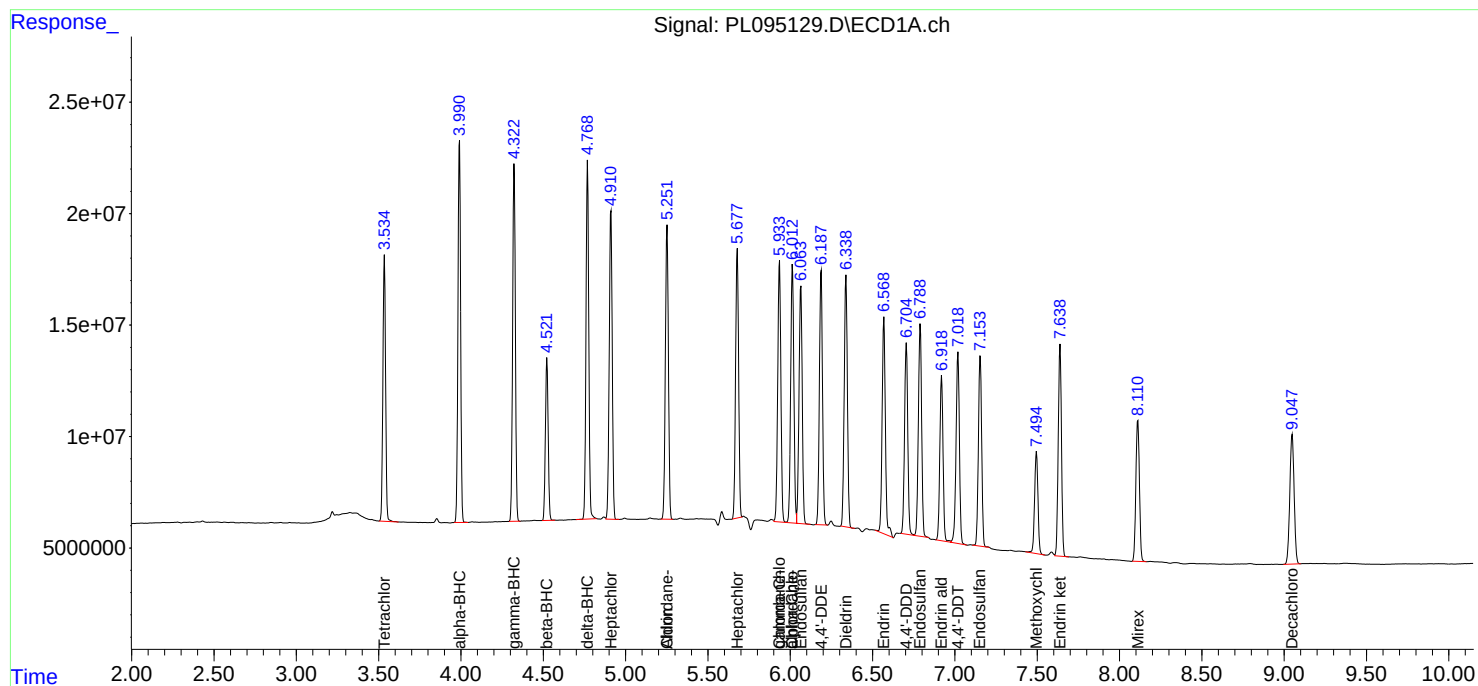
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

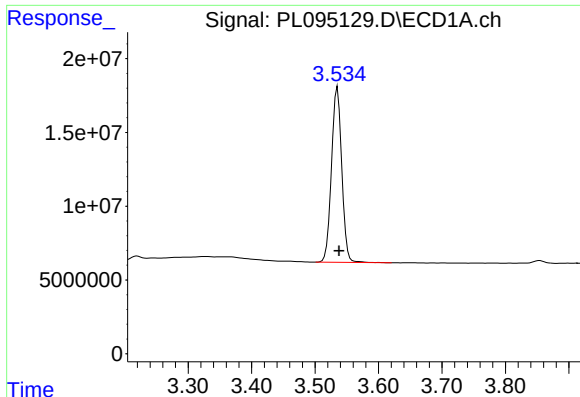
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 08:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

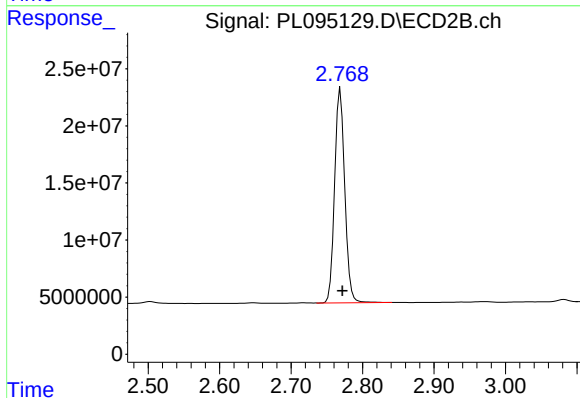




#1 Tetrachloro-m-xylene

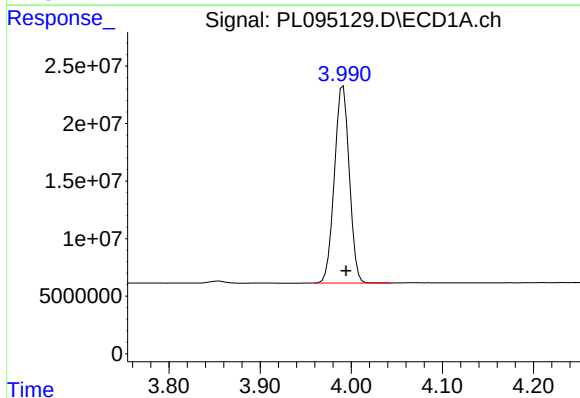
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 133690319
Conc: 47.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



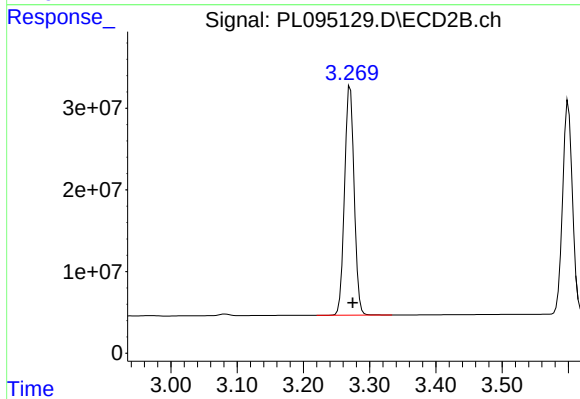
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 184744953
Conc: 51.76 ng/ml



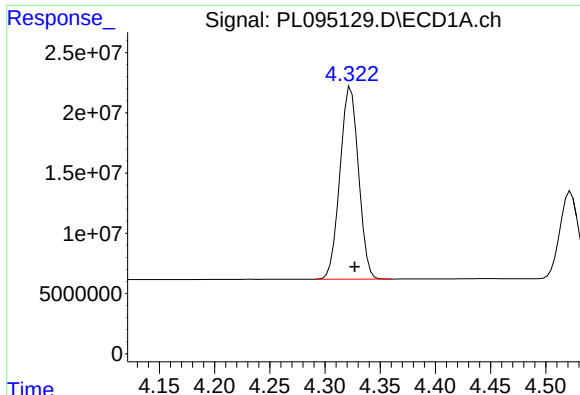
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 194282339
Conc: 46.79 ng/ml



#2 alpha-BHC

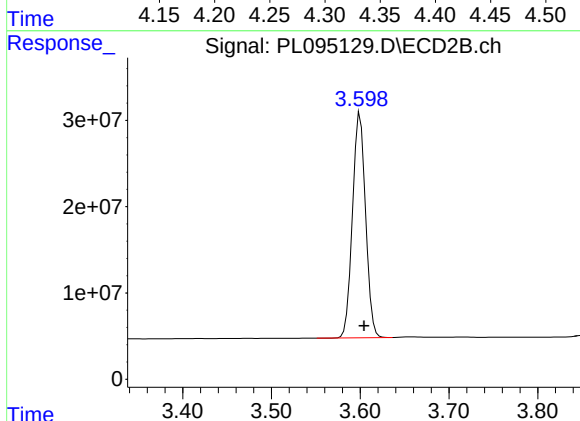
R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 282821699
Conc: 52.46 ng/ml



#3 gamma-BHC (Lindane)

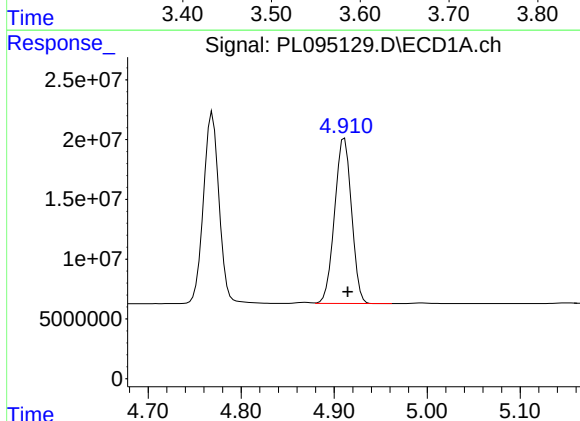
R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 187036438
Conc: 46.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



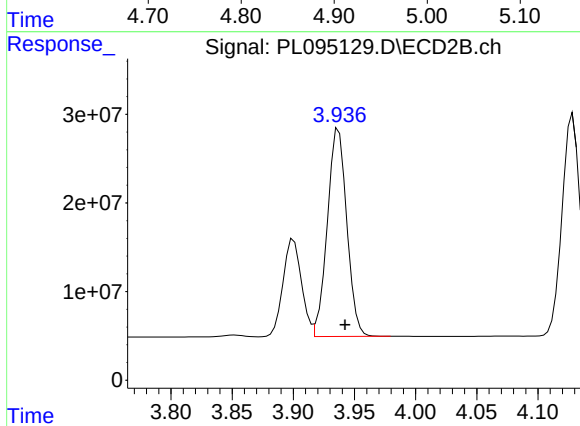
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 267096700
Conc: 51.97 ng/ml



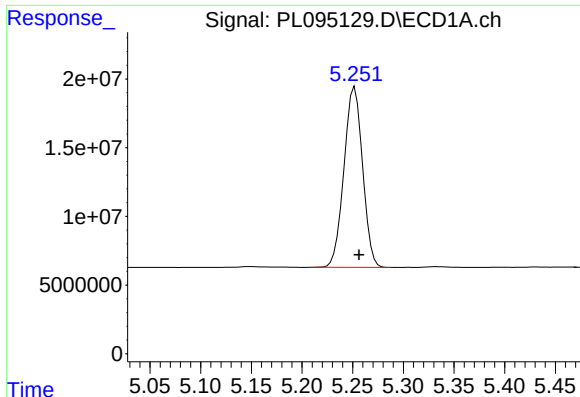
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 174865744
Conc: 45.05 ng/ml



#4 Heptachlor

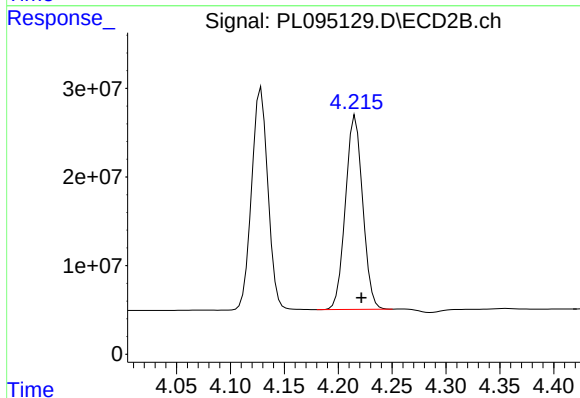
R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 259818251
Conc: 49.31 ng/ml



#5 Aldrin

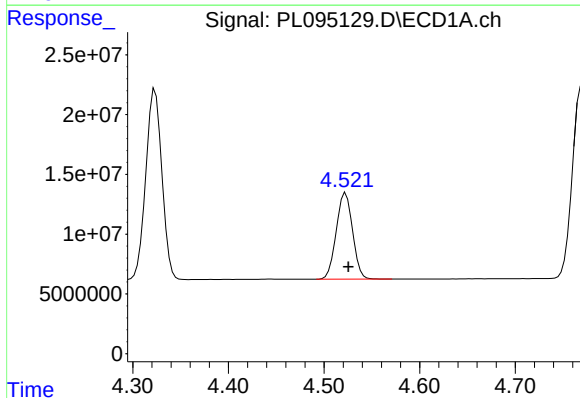
R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 167525316
Conc: 45.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



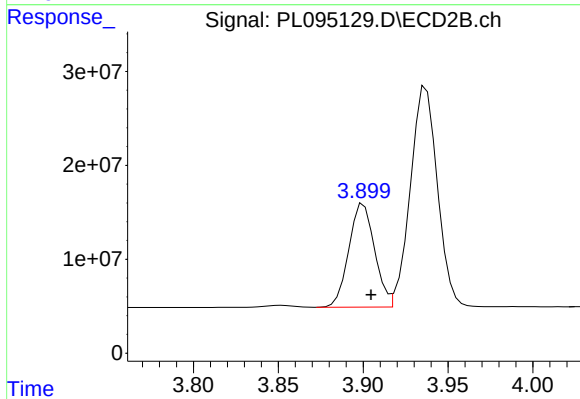
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 243727026
Conc: 49.98 ng/ml



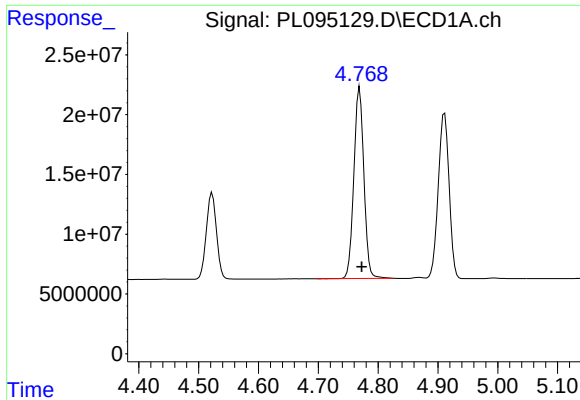
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 85729976
Conc: 46.46 ng/ml



#6 beta-BHC

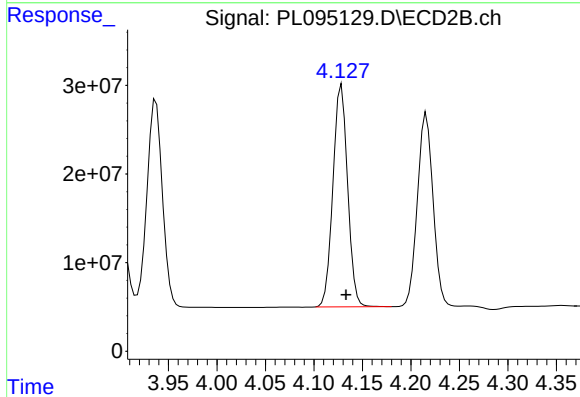
R.T.: 3.900 min
Delta R.T.: -0.004 min
Response: 116422698
Conc: 52.41 ng/ml



#7 delta-BHC

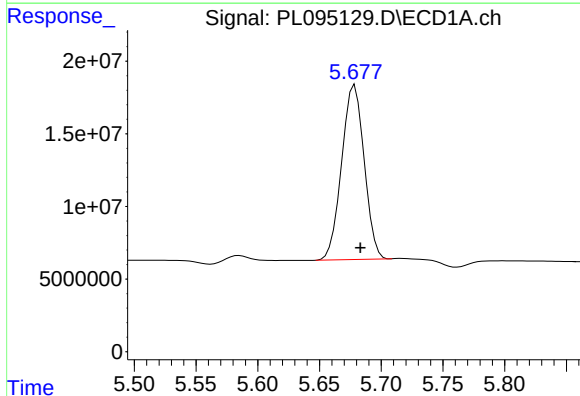
R.T.: 4.769 min
Delta R.T.: -0.004 min
Response: 185511825
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



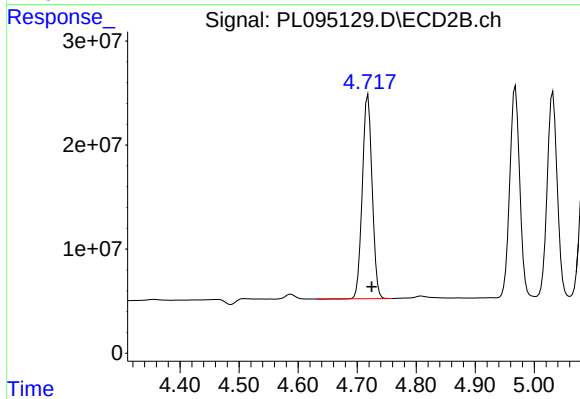
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 263515366
Conc: 52.68 ng/ml



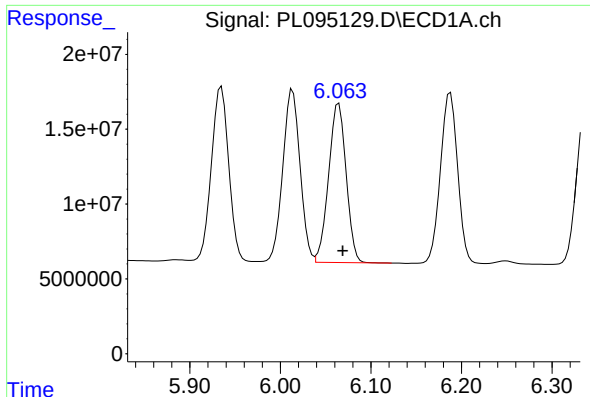
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 152735761
Conc: 45.66 ng/ml



#8 Heptachlor epoxide

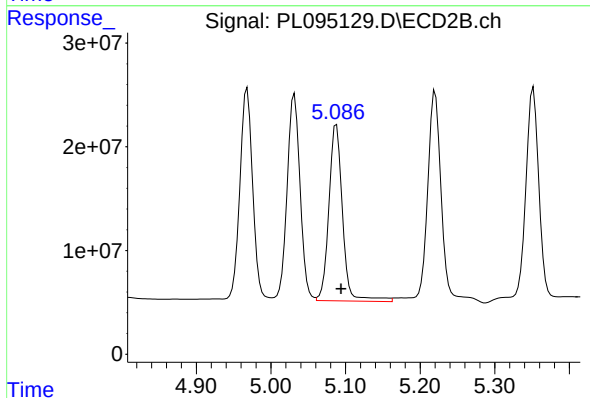
R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 225532845
Conc: 49.26 ng/ml



#9 Endosulfan I

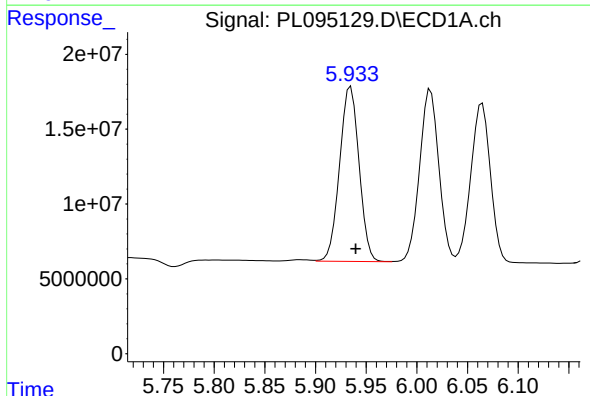
R.T.: 6.065 min
Delta R.T.: -0.005 min
Response: 143157330
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



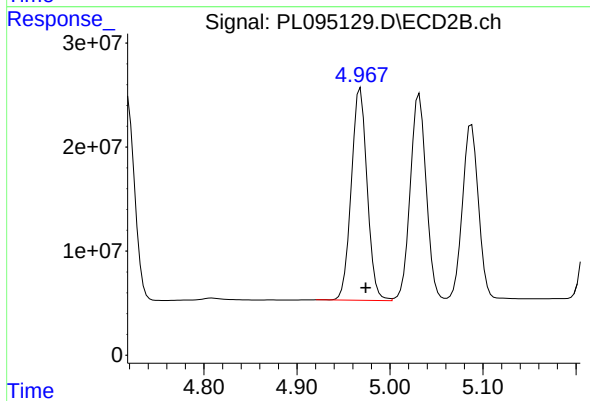
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 216822822
Conc: 49.40 ng/ml



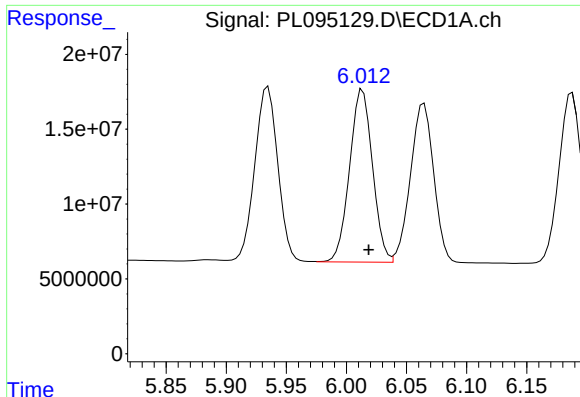
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 156013820
Conc: 46.30 ng/ml



#10 gamma-Chlordane

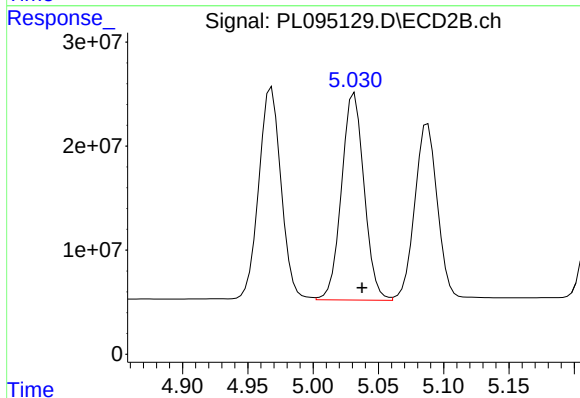
R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 241550693
Conc: 50.03 ng/ml



#11 alpha-Chlordane

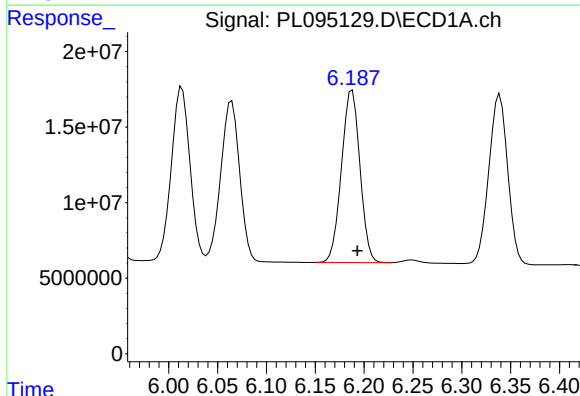
R.T.: 6.014 min
Delta R.T.: -0.005 min
Response: 153460302
Conc: 46.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



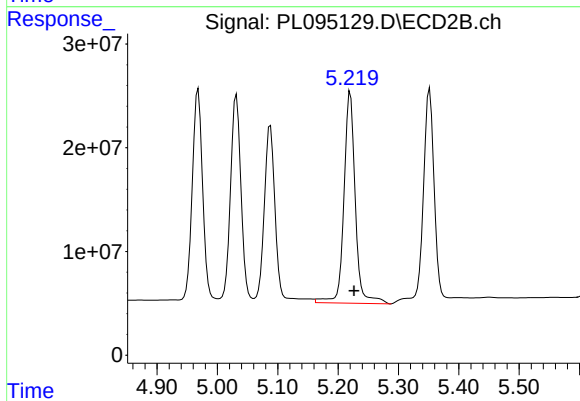
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 239468377
Conc: 50.17 ng/ml



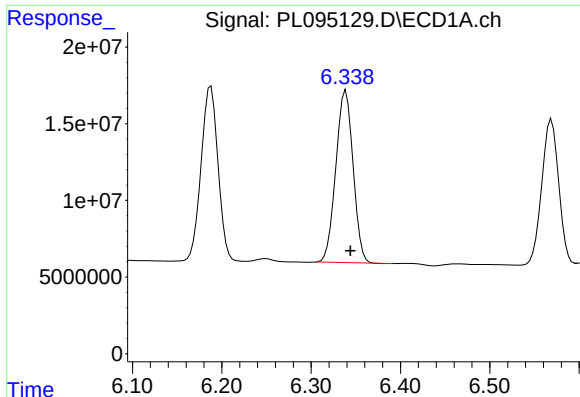
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 150146113
Conc: 51.03 ng/ml



#12 4,4'-DDE

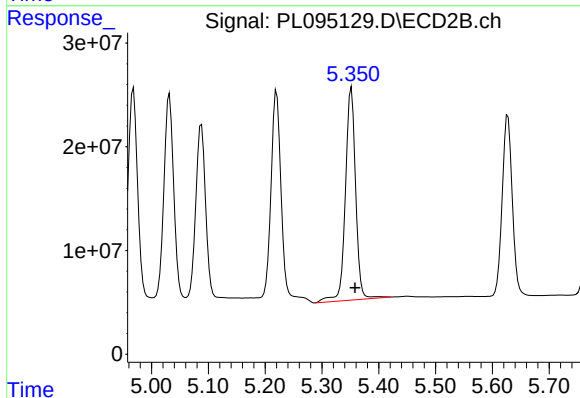
R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 266616348
Conc: 57.36 ng/ml



#13 Dieldrin

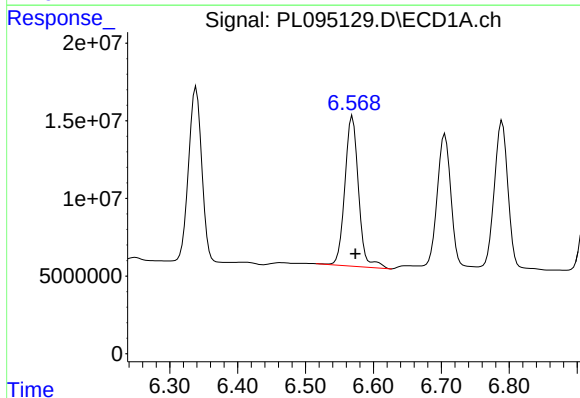
R.T.: 6.339 min
Delta R.T.: -0.005 min
Response: 150290345
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



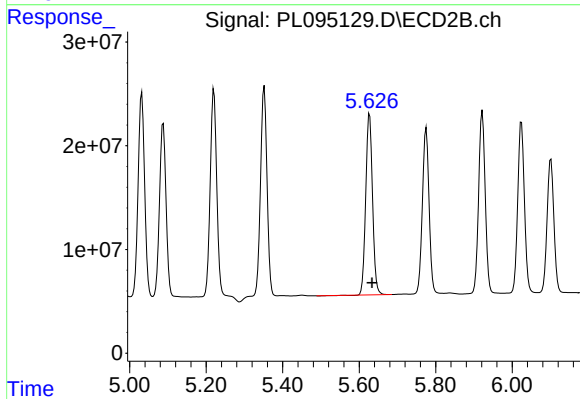
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 256069417
Conc: 52.78 ng/ml



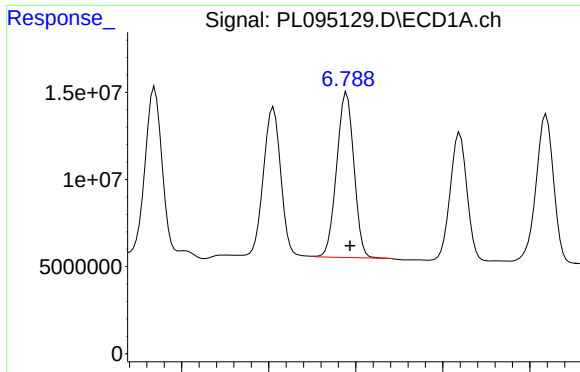
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 135157232
Conc: 48.76 ng/ml



#14 Endrin

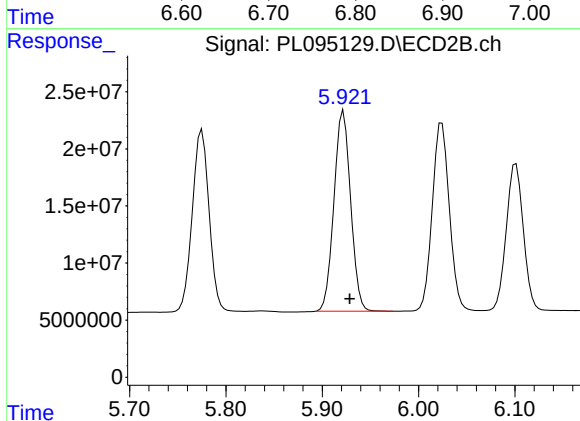
R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 214487216
Conc: 49.15 ng/ml



#15 Endosulfan II

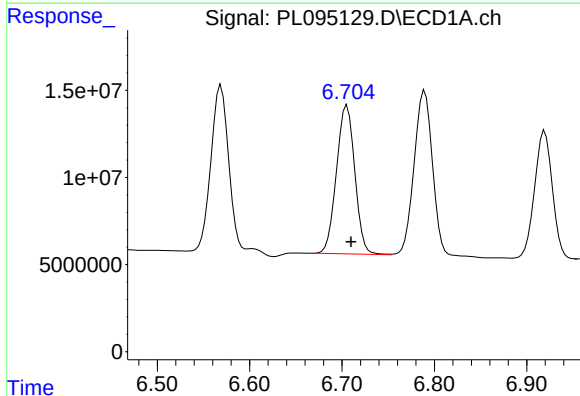
R.T.: 6.790 min
Delta R.T.: -0.004 min
Response: 130627896
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



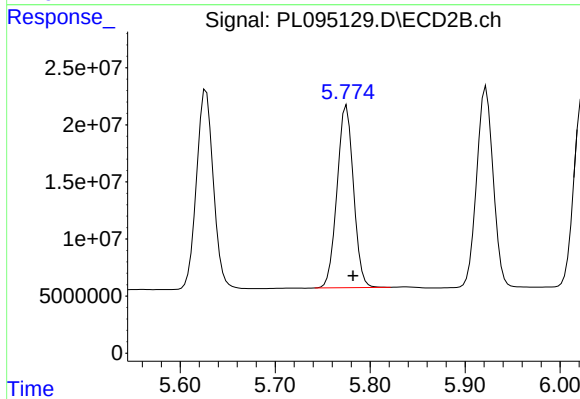
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.006 min
Response: 211337169
Conc: 48.83 ng/ml



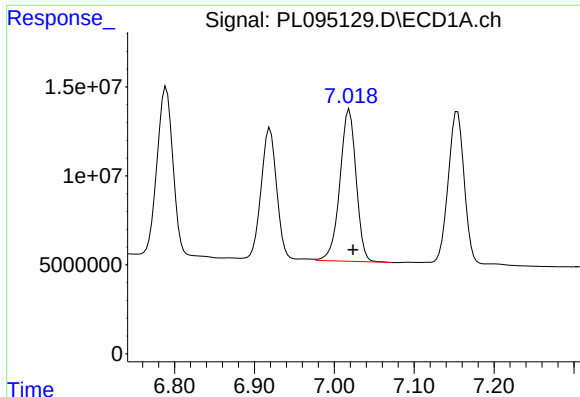
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.004 min
Response: 117646329
Conc: 54.31 ng/ml



#16 4,4'-DDD

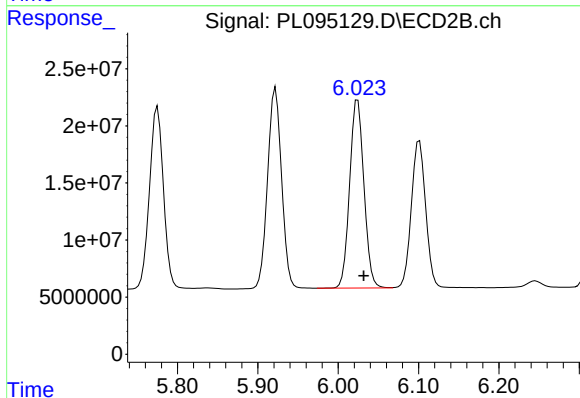
R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 192362516
Conc: 53.50 ng/ml



#17 4,4'-DDT

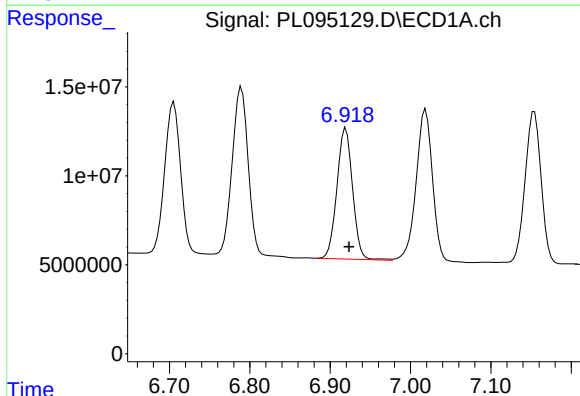
R.T.: 7.019 min
Delta R.T.: -0.005 min
Response: 120615572
Conc: 50.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



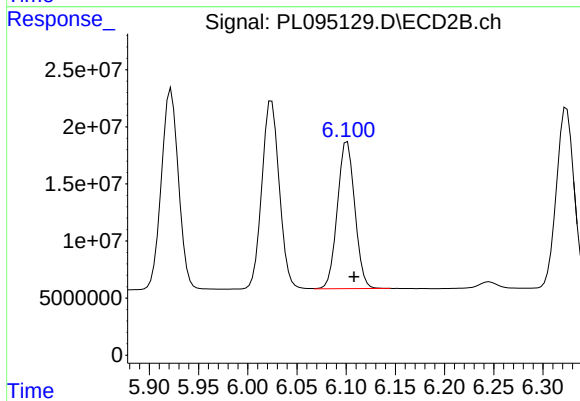
#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.007 min
Response: 203416563
Conc: 50.45 ng/ml



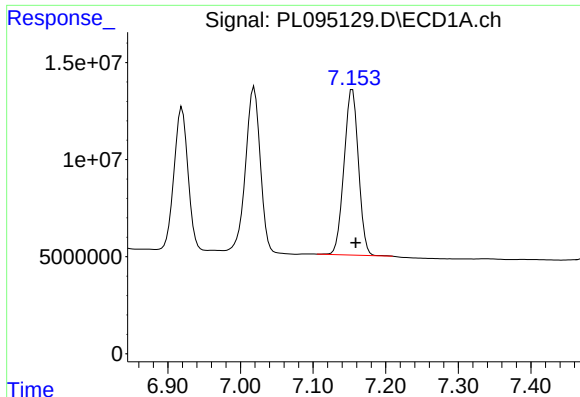
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.004 min
Response: 99603103
Conc: 47.18 ng/ml



#18 Endrin aldehyde

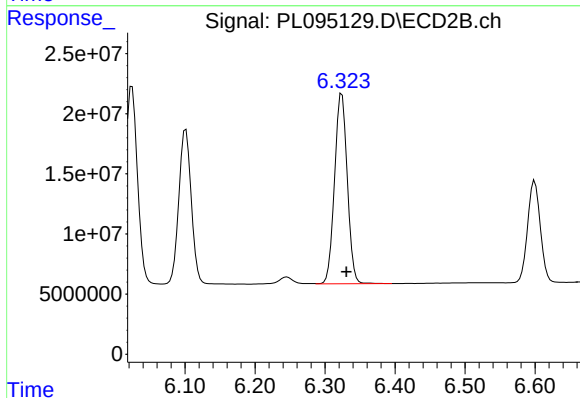
R.T.: 6.101 min
Delta R.T.: -0.007 min
Response: 158606097
Conc: 47.13 ng/ml



#19 Endosulfan Sulfate

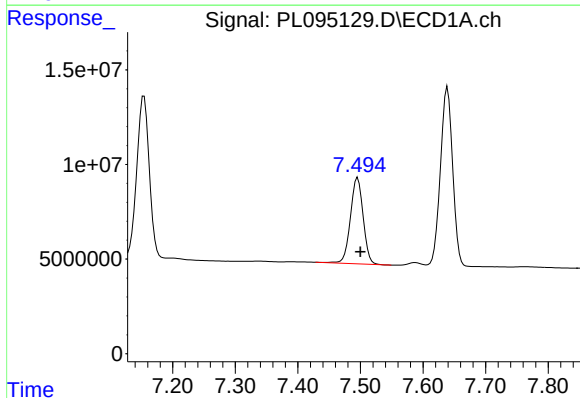
R.T.: 7.154 min
Delta R.T.: -0.004 min
Response: 117967280
Conc: 48.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



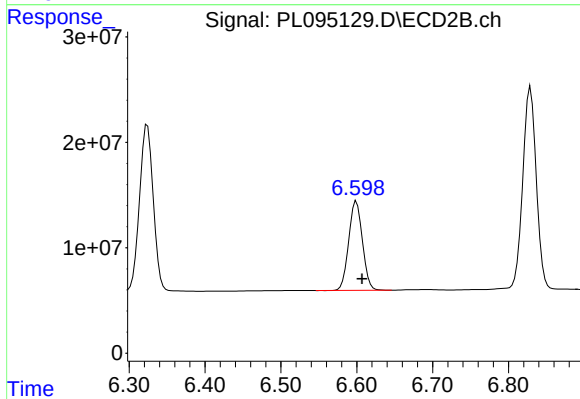
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: -0.007 min
Response: 199795240
Conc: 49.05 ng/ml



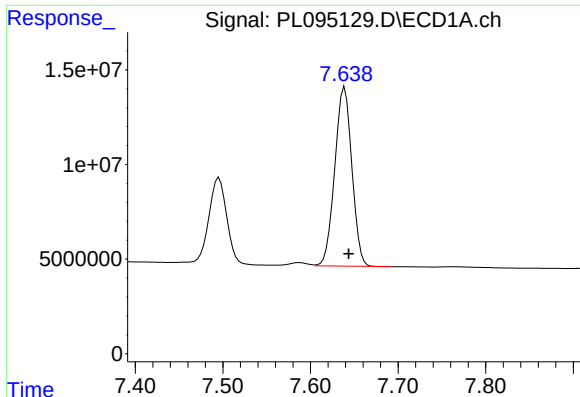
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 64342499
Conc: 53.75 ng/ml



#20 Methoxychlor

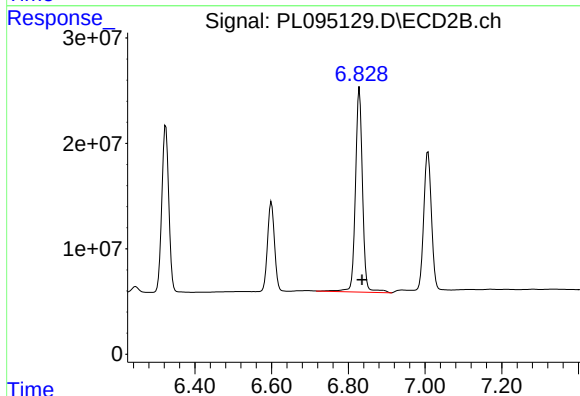
R.T.: 6.599 min
Delta R.T.: -0.007 min
Response: 106463629
Conc: 50.19 ng/ml



#21 Endrin ketone

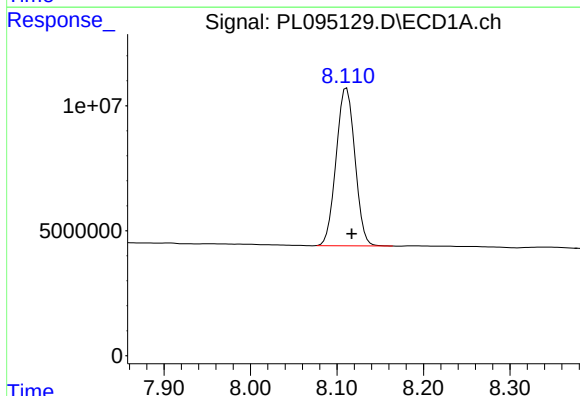
R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 128218595
Conc: 48.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



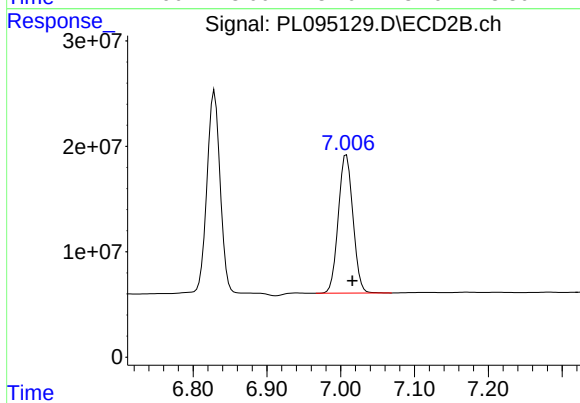
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 252744601
Conc: 52.96 ng/ml



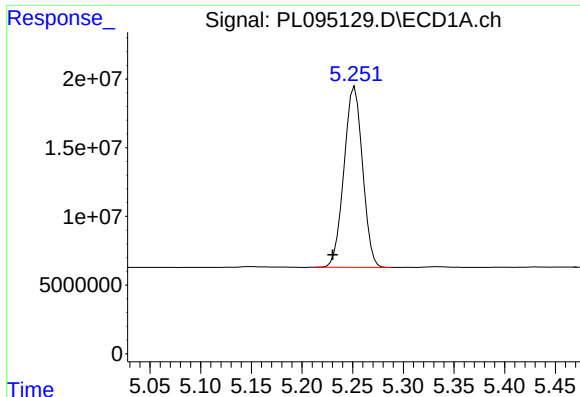
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.006 min
Response: 94808633
Conc: 45.88 ng/ml



#22 Mirex

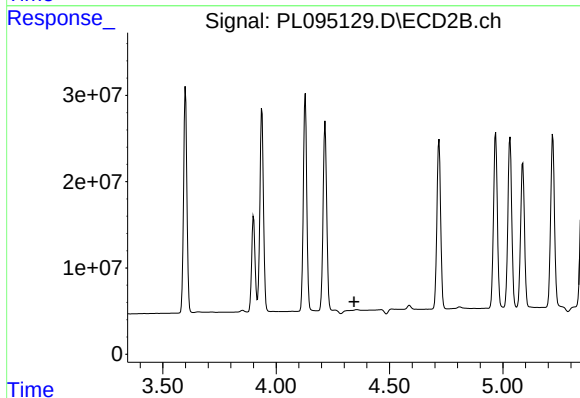
R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 181240481
Conc: 47.75 ng/ml



#24 Chlordane-2

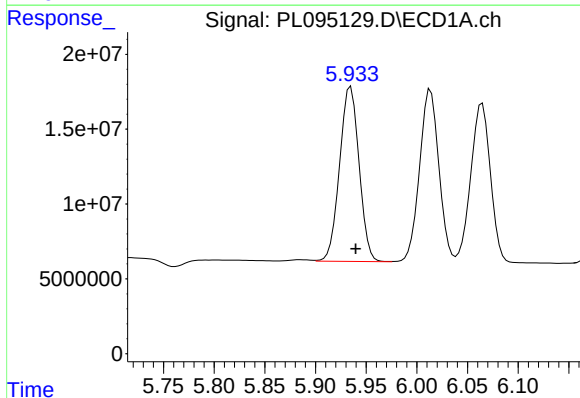
R.T.: 5.252 min
Delta R.T.: 0.022 min
Response: 167525316
Conc: 1107.20 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



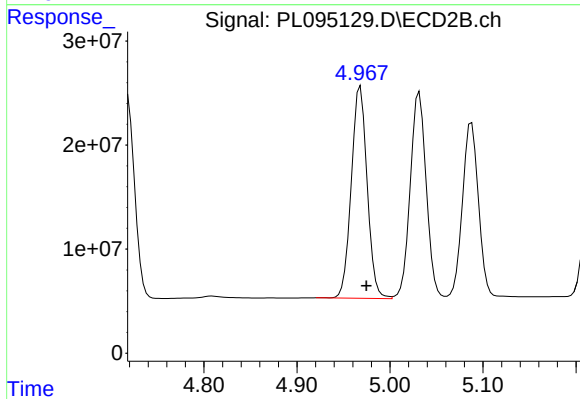
#24 Chlordane-2

R.T.: 4.356 min
Delta R.T.: 0.012 min
Response: -2917304
Conc: N.D.



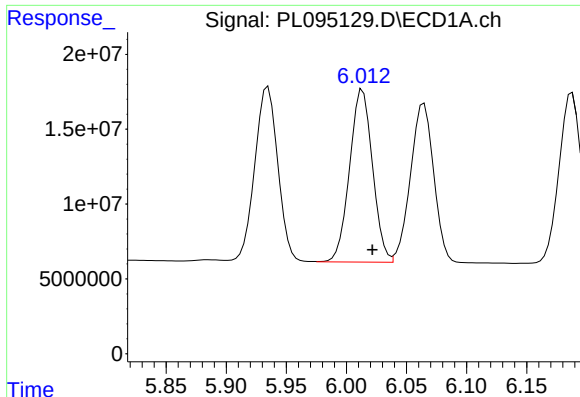
#25 Chlordane-3

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 156013820
Conc: 312.14 ng/ml



#25 Chlordane-3

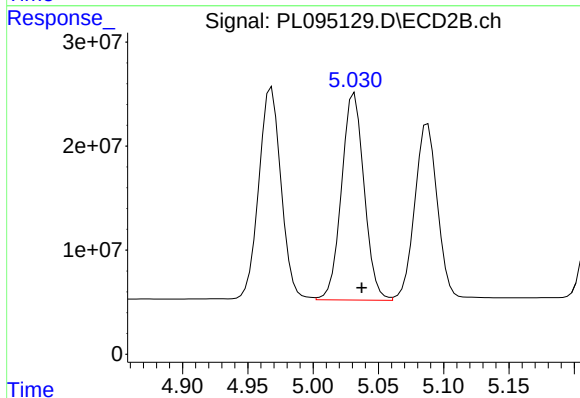
R.T.: 4.968 min
Delta R.T.: -0.007 min
Response: 241550693
Conc: 454.04 ng/ml



#26 Chlordane-4

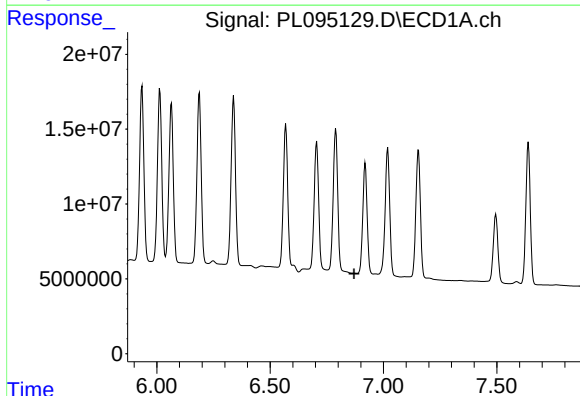
R.T.: 6.014 min
Delta R.T.: -0.008 min
Response: 153460302
Conc: 260.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



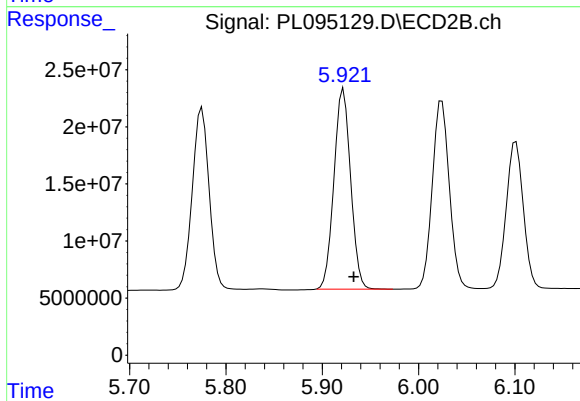
#26 Chlordane-4

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 239468377
Conc: 460.02 ng/ml



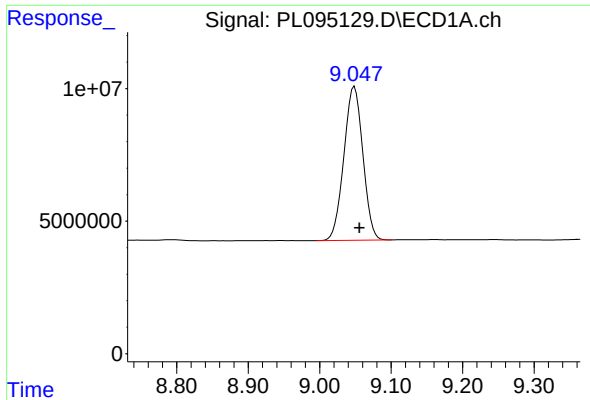
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

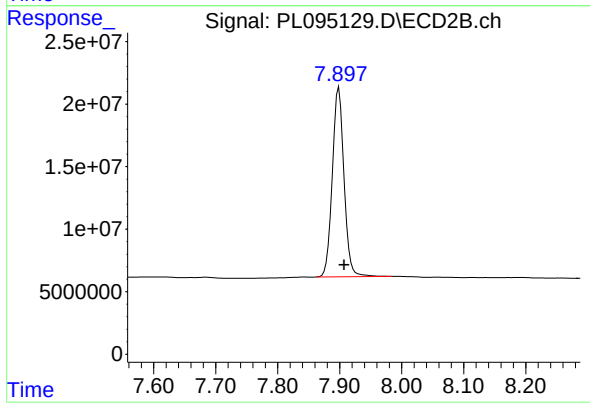
R.T.: 5.922 min
Delta R.T.: -0.011 min
Response: 211337169
Conc: 1101.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 107049826
Conc: 50.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 199095175
Conc: 49.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 11:03
 Operator : AR\AJ
 Sample : PB167473BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167473BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 10 01:23:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.767	60446230	80871246	21.354	22.658
28)	SA Decachlor...	9.055	7.900	51398863	95358492	24.389	23.607
Target Compounds							
2)	A alpha-BHC	3.996	3.269	182.1E6	282.4E6	43.860	52.385
3)	MA gamma-BHC...	4.328	3.599	173.3E6	261.2E6	43.436	50.816
4)	MA Heptachlor	4.915	3.937	163.5E6	251.9E6	42.123	47.820
5)	MB Aldrin	5.257	4.215	155.4E6	232.0E6	42.100	47.582
6)	B beta-BHC	4.527	3.900	78258833	112.8E6	42.412	50.798
7)	B delta-BHC	4.775	4.128	178.4E6	245.1E6	45.810	48.992
8)	B Heptachlo...	5.684	4.718	143.6E6	219.7E6	42.923	47.974
9)	A Endosulfan I	6.069	5.088	137.4E6	210.9E6	44.743	48.047
10)	B gamma-Chl...	5.940	4.968	147.9E6	230.1E6	43.887	47.650
11)	B alpha-Chl...	6.019	5.032	146.2E6	226.3E6	44.340	47.418
12)	B 4,4'-DDE	6.193	5.220	145.3E6	229.9E6	49.386	49.465
13)	MA Dieldrin	6.344	5.352	145.2E6	230.8E6	45.408	47.567
14)	MA Endrin	6.574	5.627	116.4E6	206.8E6	41.983	47.389
15)	B Endosulfa...	6.795	5.922	127.1E6	211.1E6	46.825	48.779
16)	A 4,4'-DDD	6.710	5.776	114.3E6	190.7E6	52.785	53.027
17)	MA 4,4'-DDT	7.024	6.025	114.8E6	201.1E6	48.275	49.883
18)	B Endrin al...	6.924	6.103	98352708	164.5E6	46.591	48.887
19)	B Endosulfa...	7.159	6.325	113.0E6	205.0E6	46.468	50.331
20)	A Methoxychlor	7.501	6.601	60152579	108.2E6	50.250	51.031
21)	B Endrin ke...	7.644	6.830	127.2E6	243.2E6	48.111	50.968
22)	Mirex	8.116	7.009	93080921	183.0E6	45.047	48.208
24)	Chlordane-2	5.257f	0.000	155.4E6	0	1027.355	N.D. #
25)	Chlordane-3	5.940	4.968	147.9E6	230.1E6	295.847	432.470 #
26)	Chlordane-4	6.019	5.032	146.2E6	226.3E6	248.147	434.750 #
27)	Chlordane-5	0.000	5.922	0	211.1E6	N.D.	1100.575 #

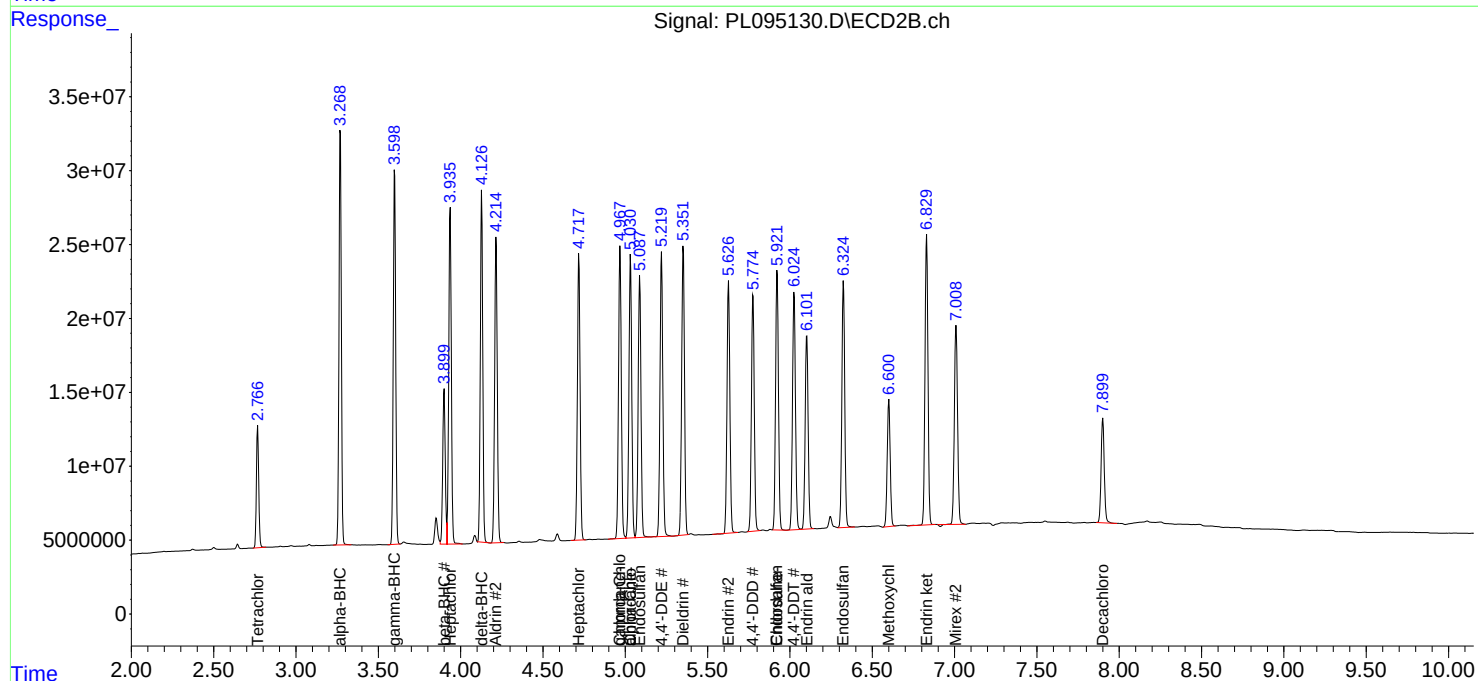
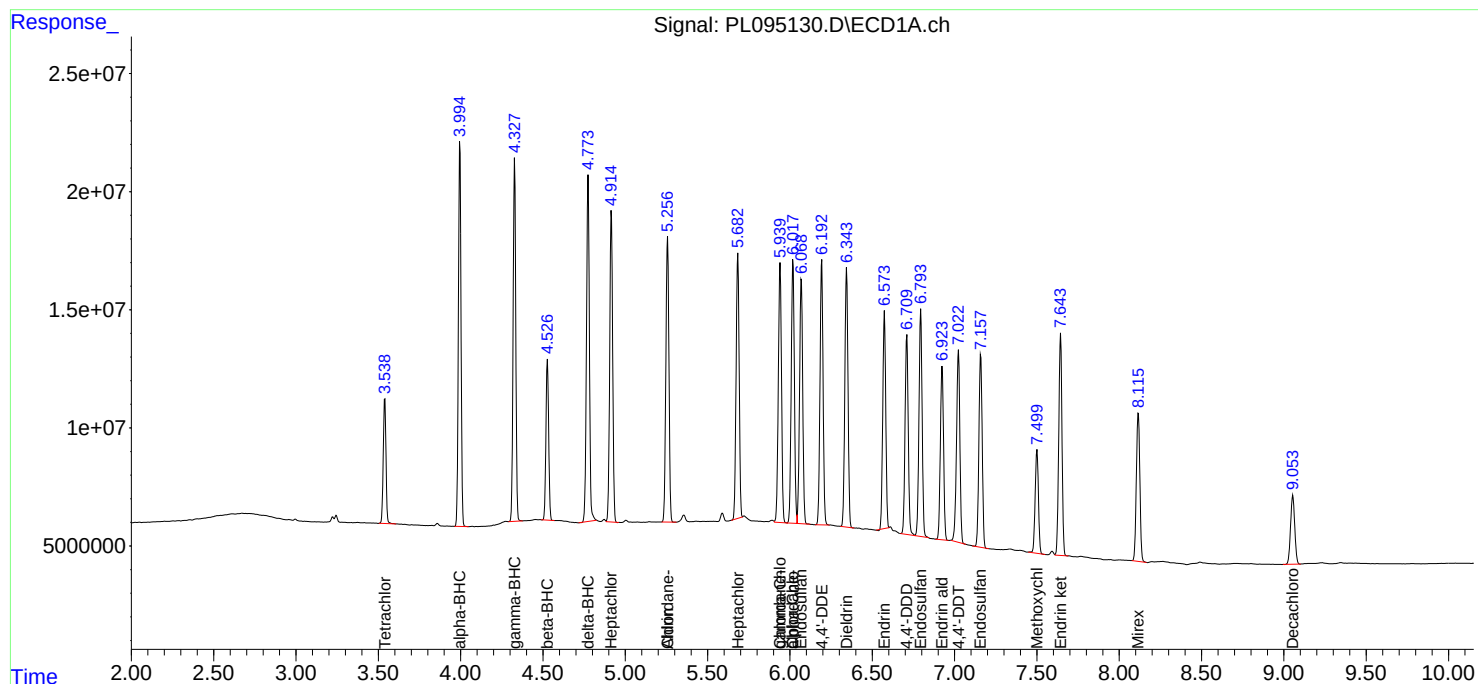
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

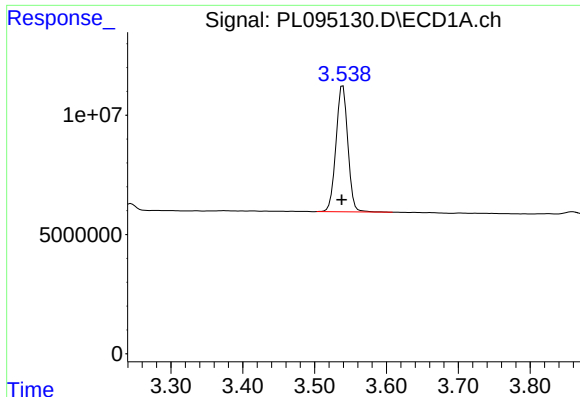
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 11:03
Operator : AR\AJ
Sample : PB167473BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167473BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:23:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

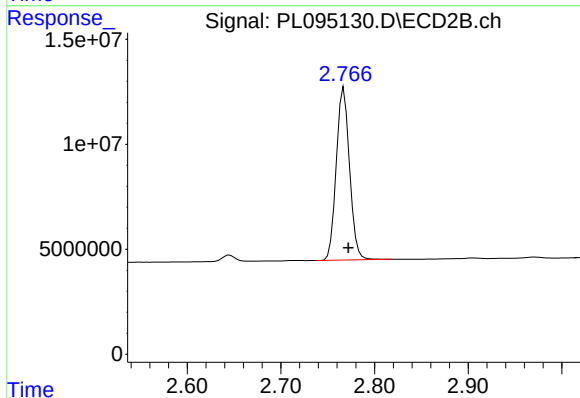




#1 Tetrachloro-m-xylene

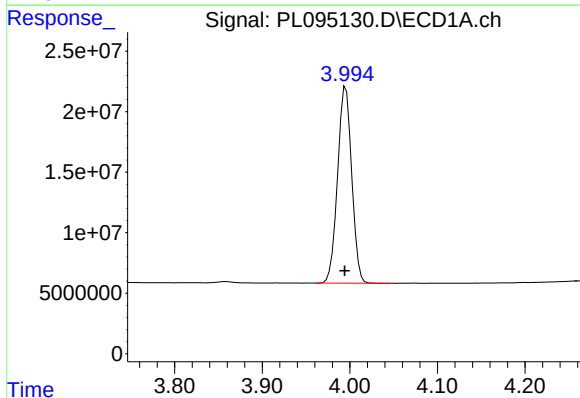
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 60446230
Conc: 21.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



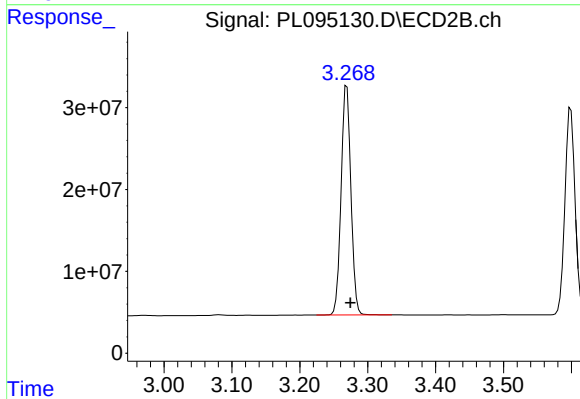
#1 Tetrachloro-m-xylene

R.T.: 2.767 min
Delta R.T.: -0.005 min
Response: 80871246
Conc: 22.66 ng/ml



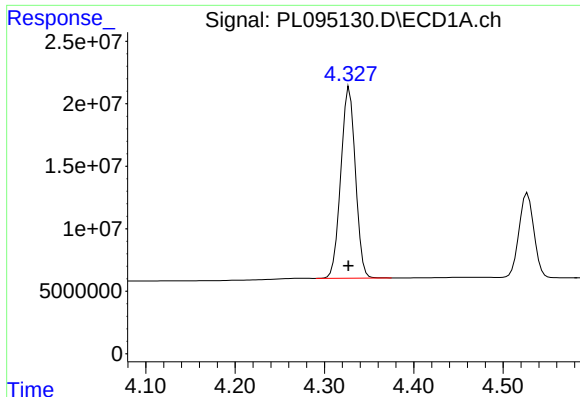
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 182121395
Conc: 43.86 ng/ml



#2 alpha-BHC

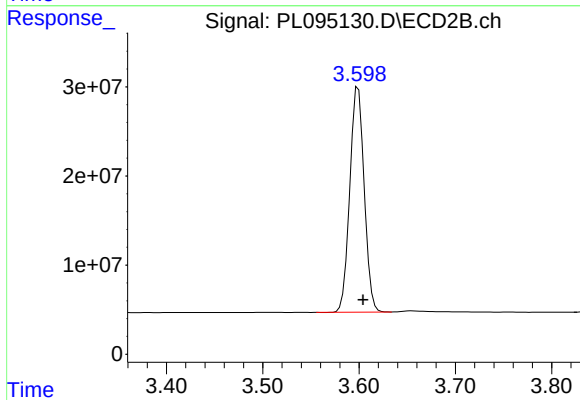
R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 282427718
Conc: 52.39 ng/ml



#3 gamma-BHC (Lindane)

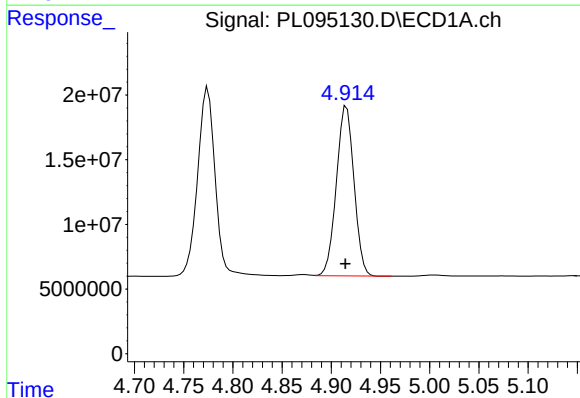
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 173319763
Conc: 43.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



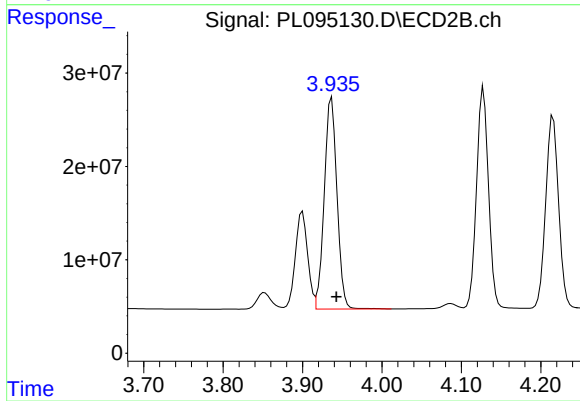
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 261165774
Conc: 50.82 ng/ml



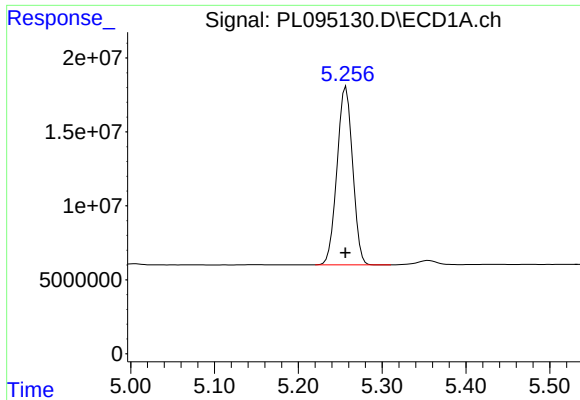
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 163506827
Conc: 42.12 ng/ml



#4 Heptachlor

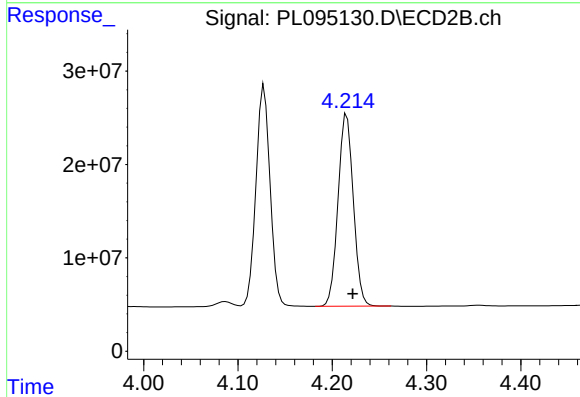
R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 251945154
Conc: 47.82 ng/ml



#5 Aldrin

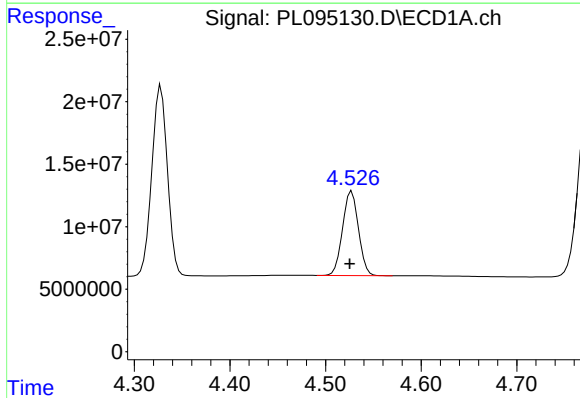
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 155444110
Conc: 42.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



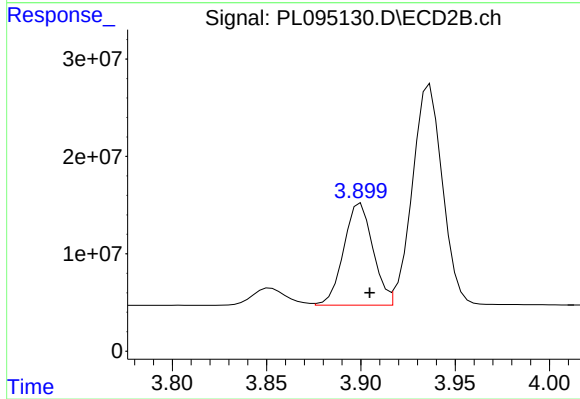
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.006 min
Response: 232026055
Conc: 47.58 ng/ml



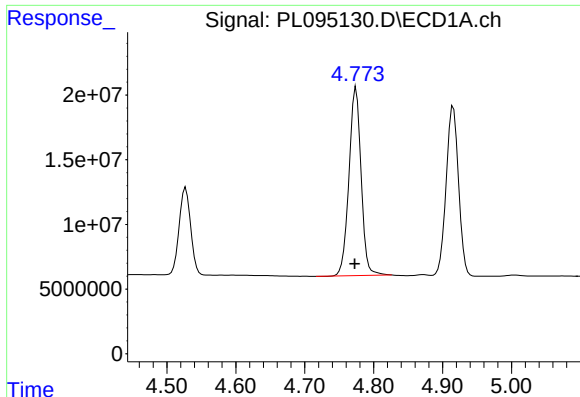
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 78258833
Conc: 42.41 ng/ml



#6 beta-BHC

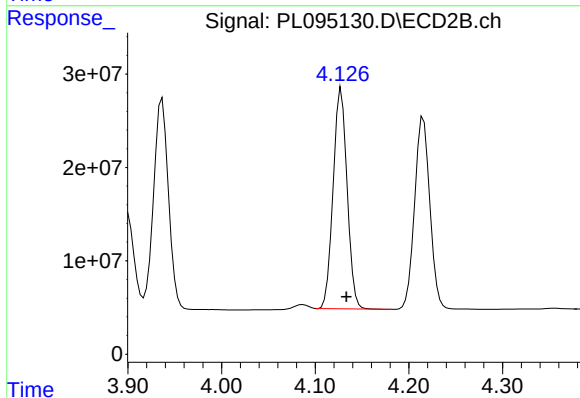
R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 112837360
Conc: 50.80 ng/ml



#7 delta-BHC

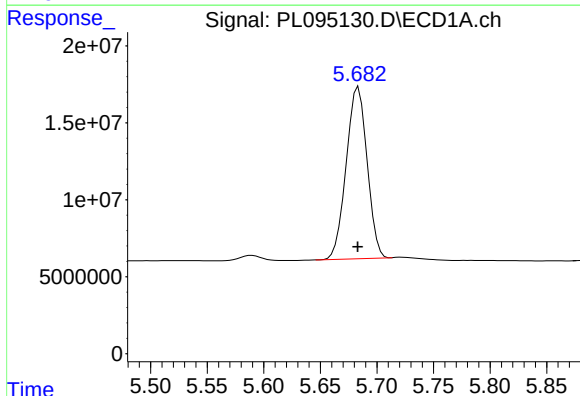
R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 178397216
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



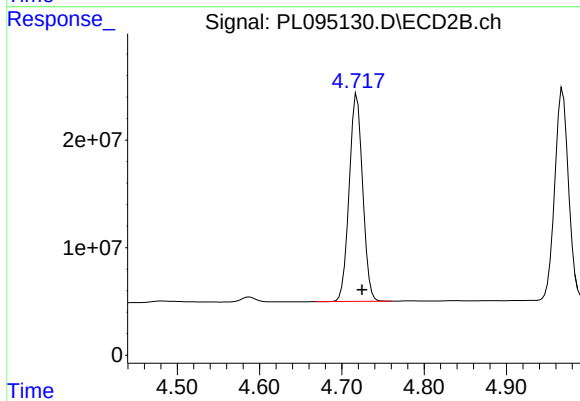
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 245059085
Conc: 48.99 ng/ml



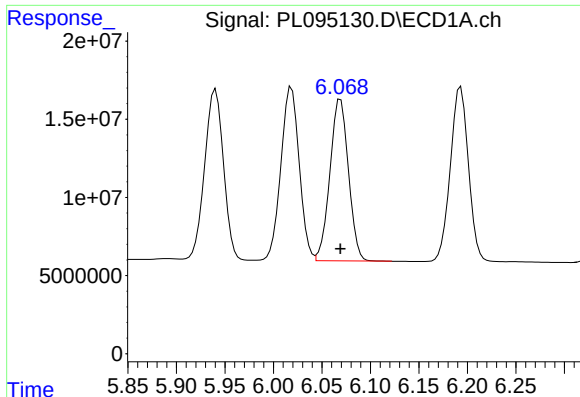
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 143585683
Conc: 42.92 ng/ml



#8 Heptachlor epoxide

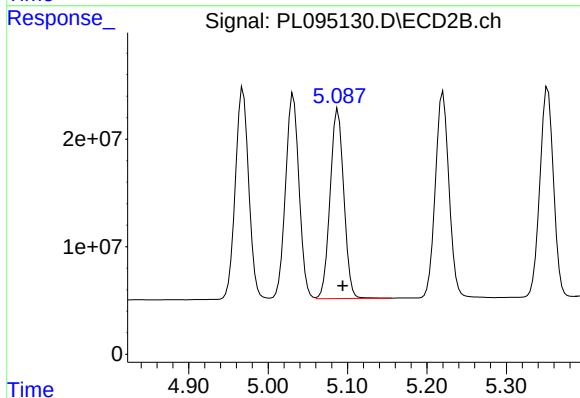
R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 219654229
Conc: 47.97 ng/ml



#9 Endosulfan I

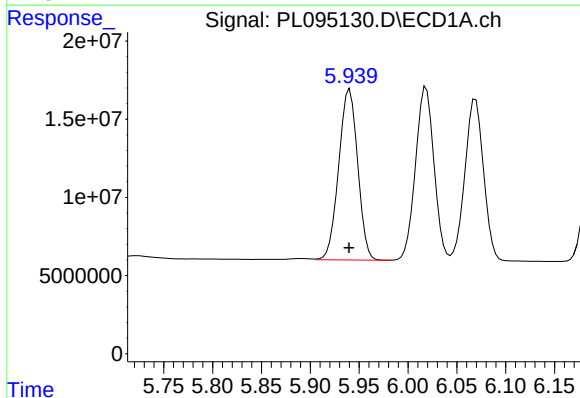
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 137369901
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



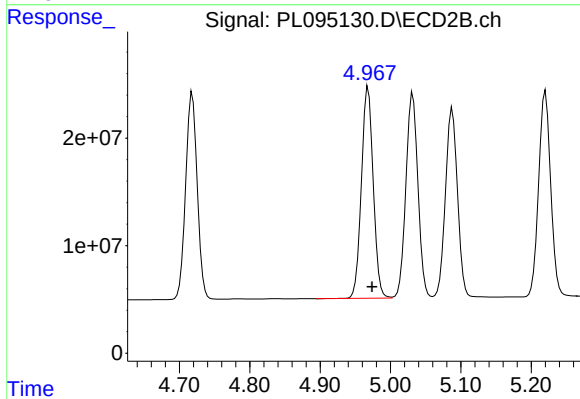
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 210865700
Conc: 48.05 ng/ml



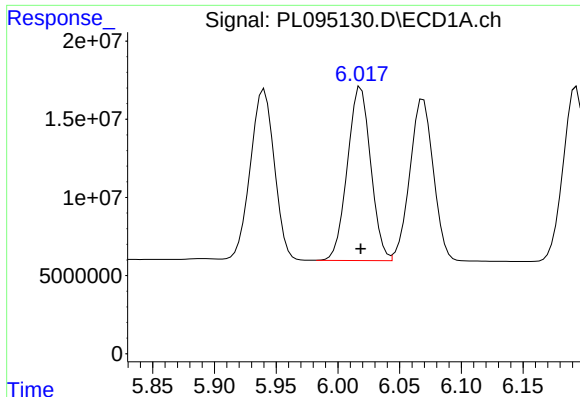
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 147870510
Conc: 43.89 ng/ml



#10 gamma-Chlordane

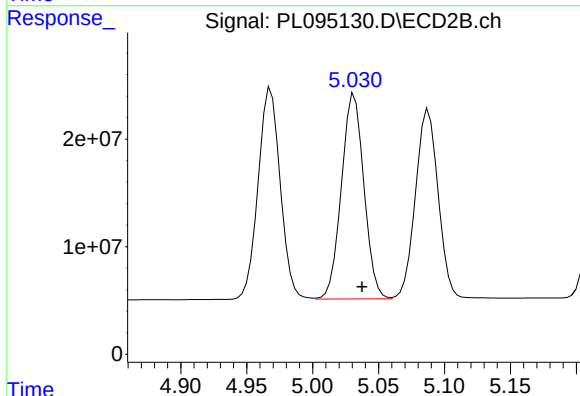
R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 230073310
Conc: 47.65 ng/ml



#11 alpha-Chlordane

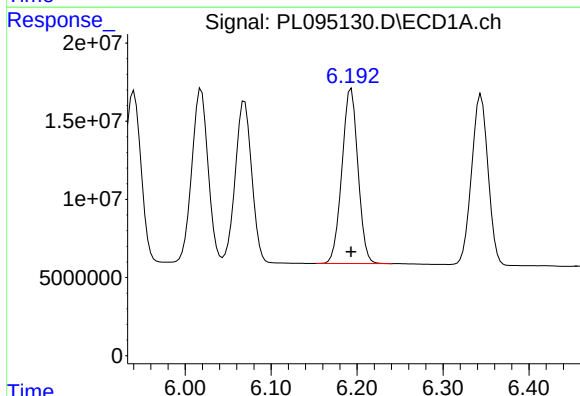
R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 146181350
Conc: 44.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



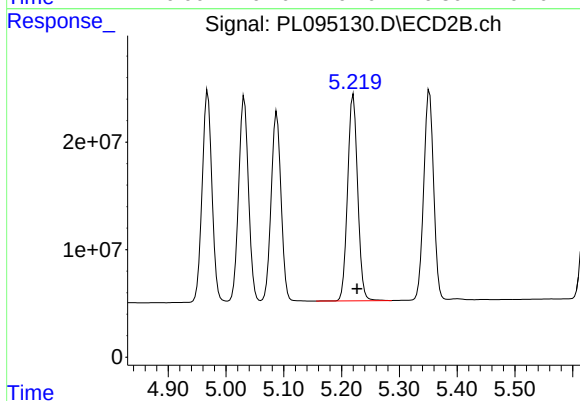
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 226313744
Conc: 47.42 ng/ml



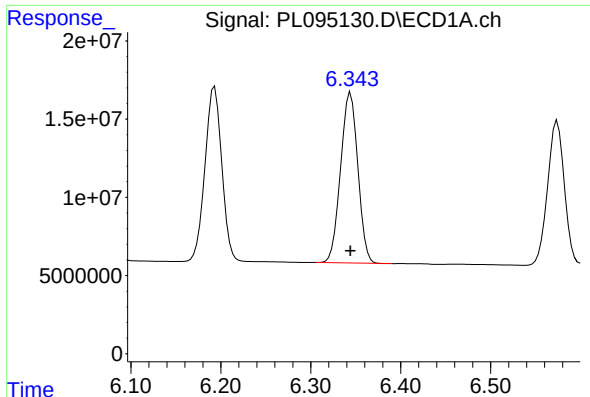
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 145296863
Conc: 49.39 ng/ml



#12 4,4'-DDE

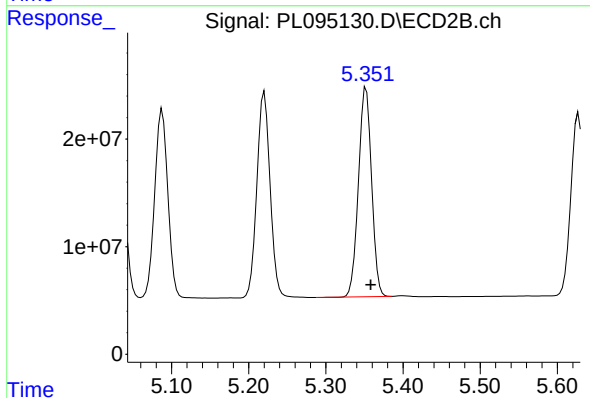
R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 229937707
Conc: 49.46 ng/ml



#13 Dieldrin

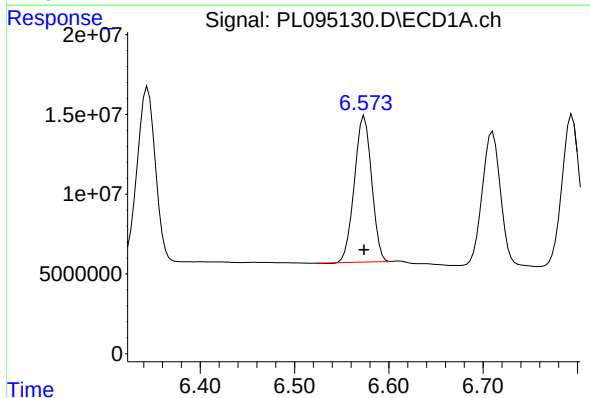
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 145222249
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



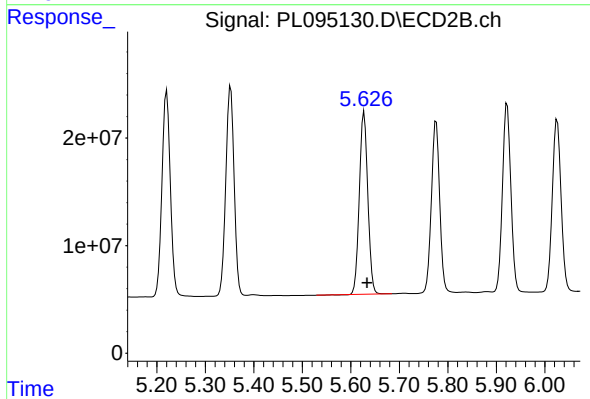
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 230788342
Conc: 47.57 ng/ml



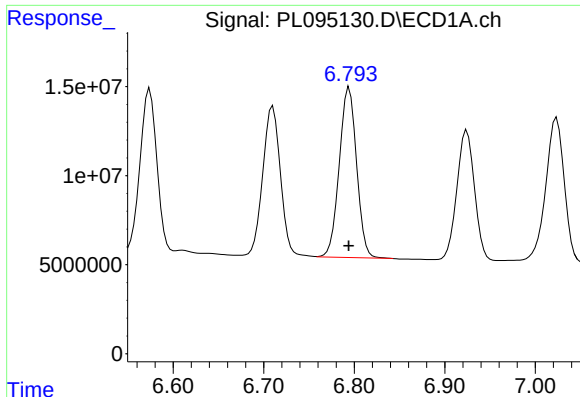
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 116380695
Conc: 41.98 ng/ml



#14 Endrin

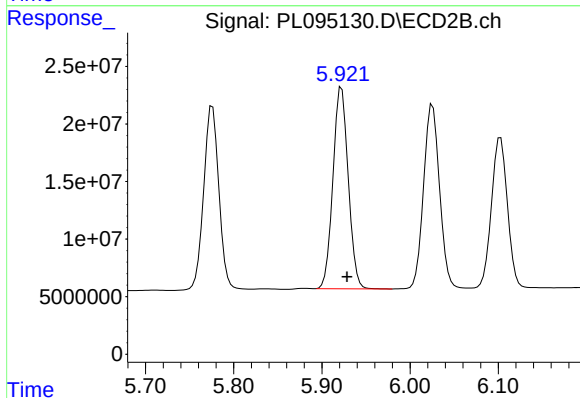
R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 206790124
Conc: 47.39 ng/ml



#15 Endosulfan II

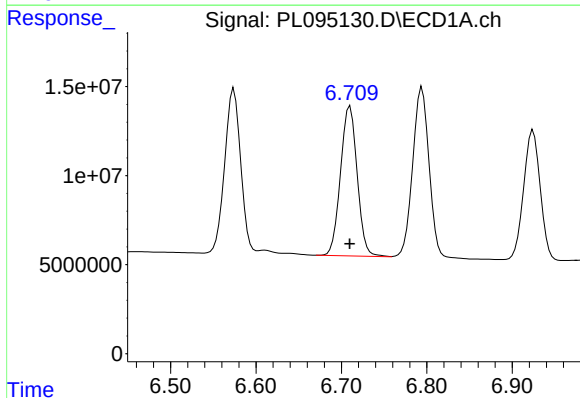
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 127116600
Conc: 46.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



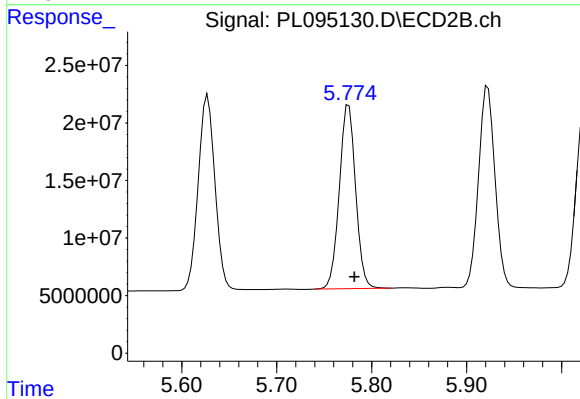
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.006 min
Response: 211129878
Conc: 48.78 ng/ml



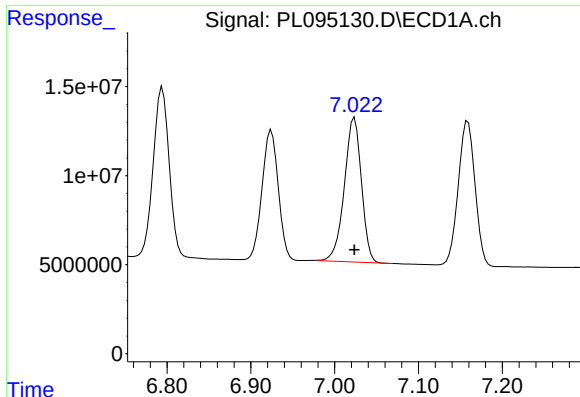
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 114336132
Conc: 52.79 ng/ml



#16 4,4'-DDD

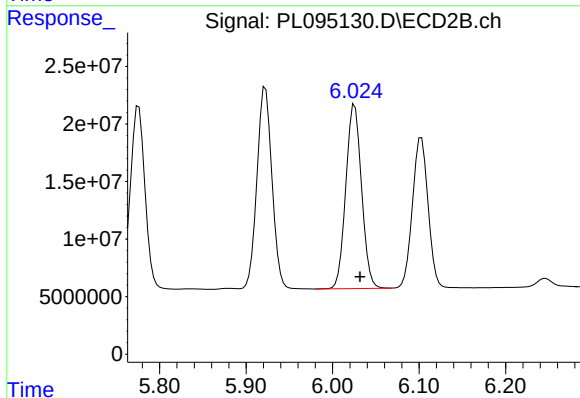
R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 190679672
Conc: 53.03 ng/ml



#17 4,4'-DDT

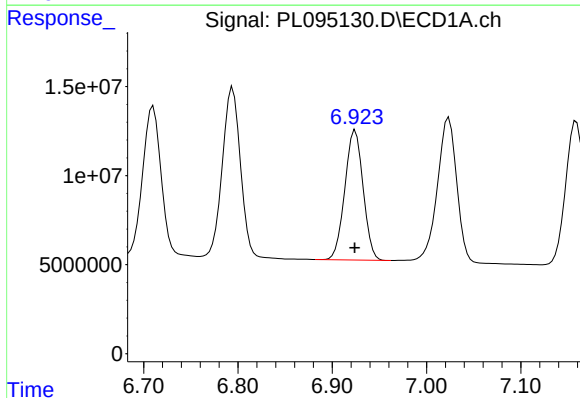
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114824949
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



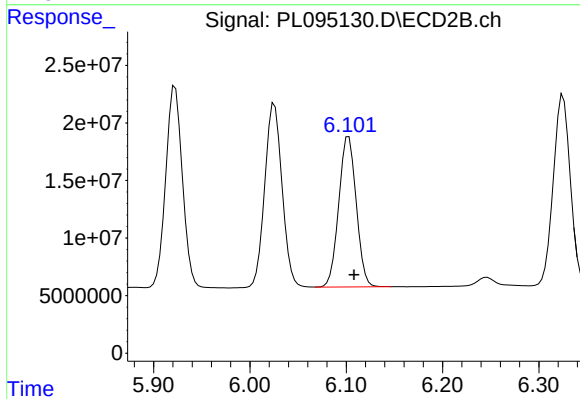
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 201134202
Conc: 49.88 ng/ml



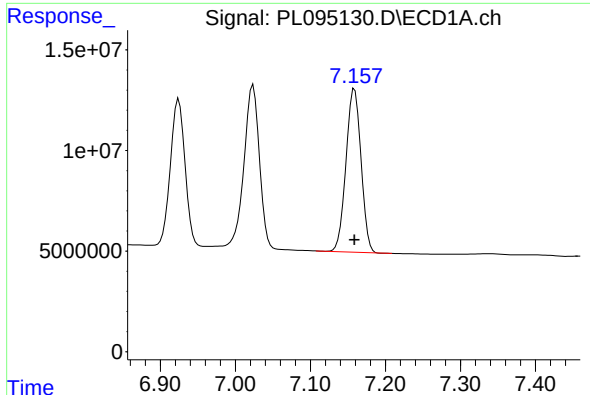
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 98352708
Conc: 46.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 164522360
Conc: 48.89 ng/ml



#19 Endosulfan Sulfate

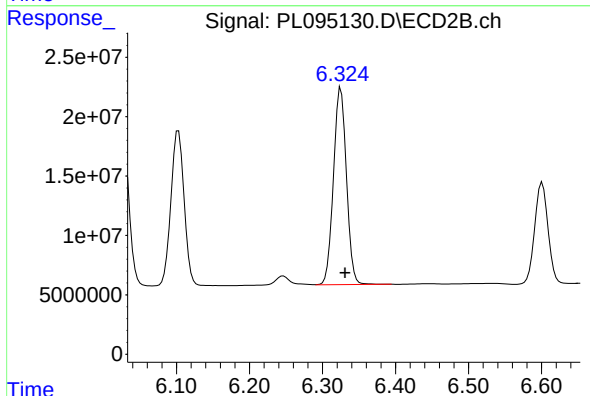
R.T.: 7.159 min

Delta R.T.: 0.000 min

Response: 113011115

Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



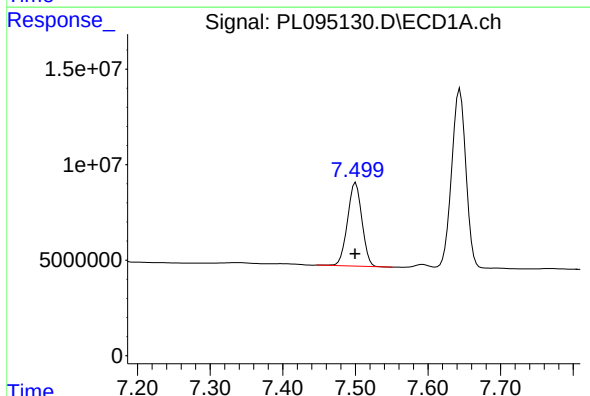
#19 Endosulfan Sulfate

R.T.: 6.325 min

Delta R.T.: -0.006 min

Response: 205019374

Conc: 50.33 ng/ml



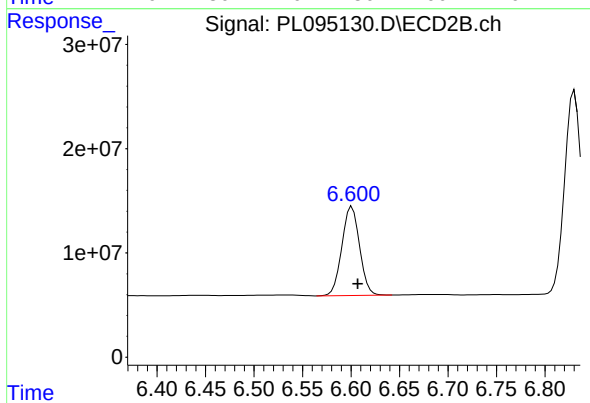
#20 Methoxychlor

R.T.: 7.501 min

Delta R.T.: 0.000 min

Response: 60152579

Conc: 50.25 ng/ml



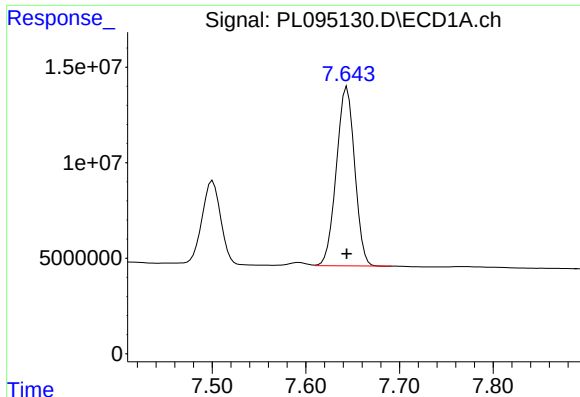
#20 Methoxychlor

R.T.: 6.601 min

Delta R.T.: -0.006 min

Response: 108240824

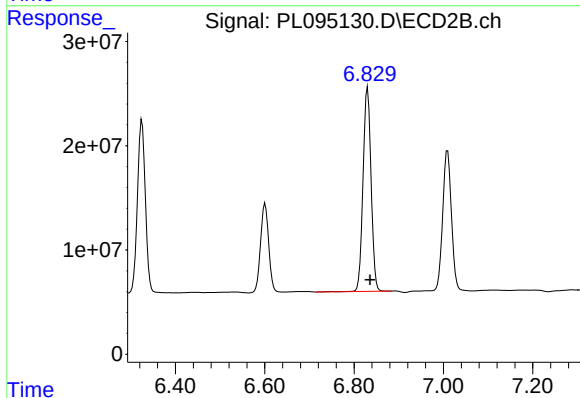
Conc: 51.03 ng/ml



#21 Endrin ketone

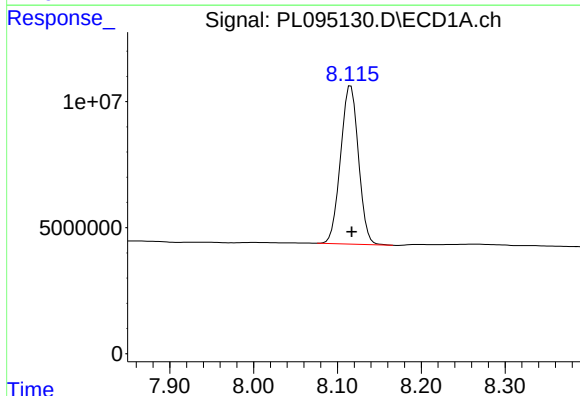
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 127169570
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



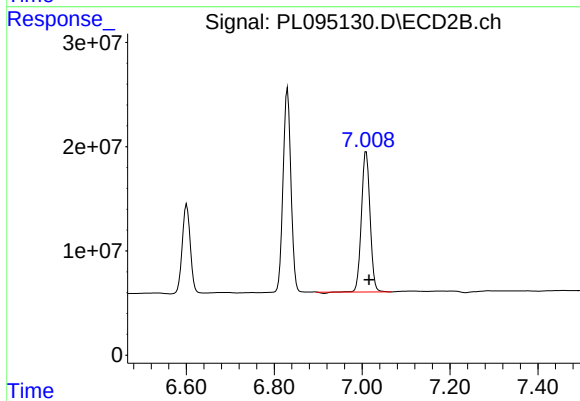
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 243249453
Conc: 50.97 ng/ml



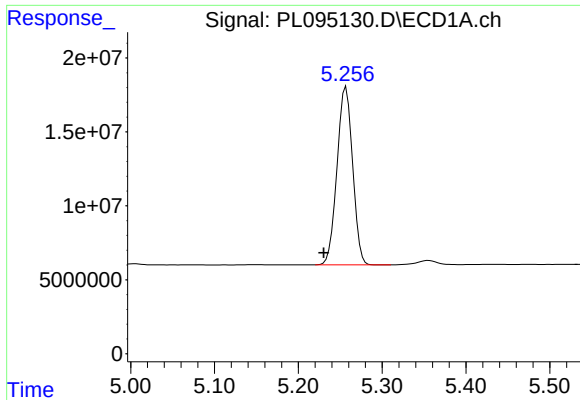
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 93080921
Conc: 45.05 ng/ml



#22 Mirex

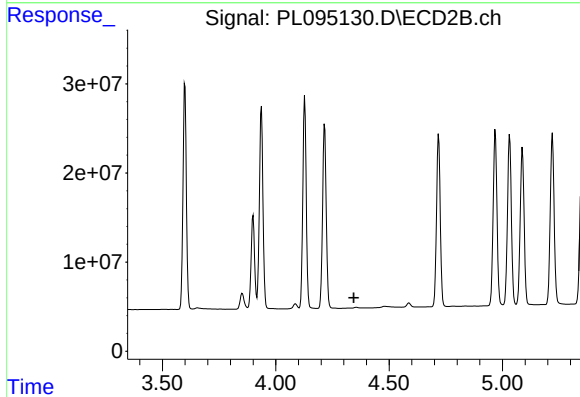
R.T.: 7.009 min
Delta R.T.: -0.006 min
Response: 182964804
Conc: 48.21 ng/ml



#24 Chlordane-2

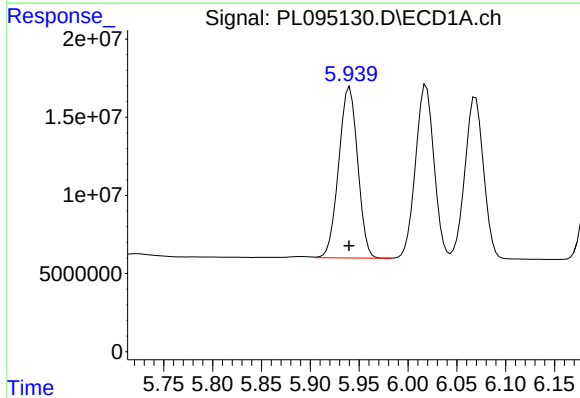
R.T.: 5.257 min
Delta R.T.: 0.027 min
Response: 155444110
Conc: 1027.35 ng/m

Instrument :
ECD_L
ClientSampleId :
PB167473BS



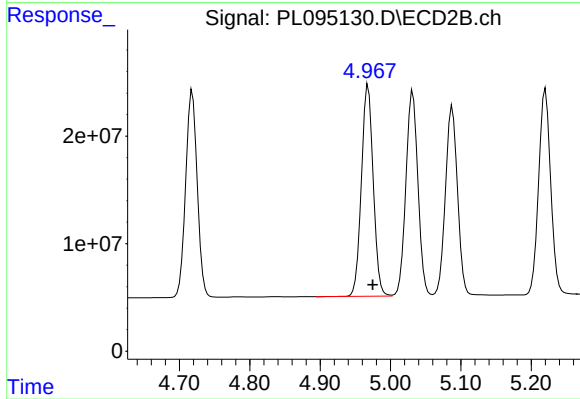
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.344 min
Response: 0
Conc: N.D.



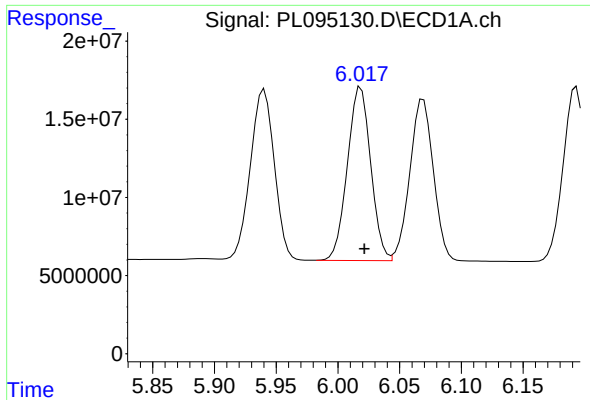
#25 Chlordane-3

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 147870510
Conc: 295.85 ng/ml



#25 Chlordane-3

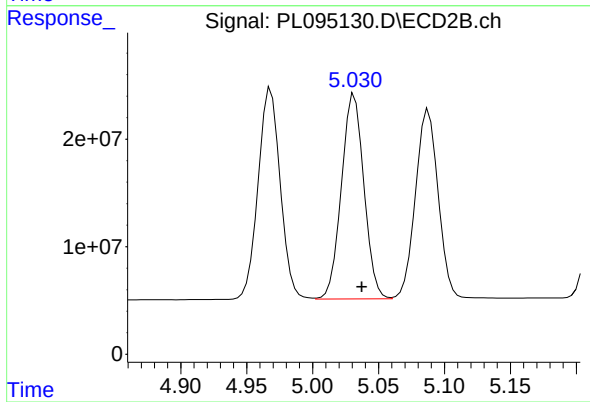
R.T.: 4.968 min
Delta R.T.: -0.007 min
Response: 230073310
Conc: 432.47 ng/ml



#26 Chlordane-4

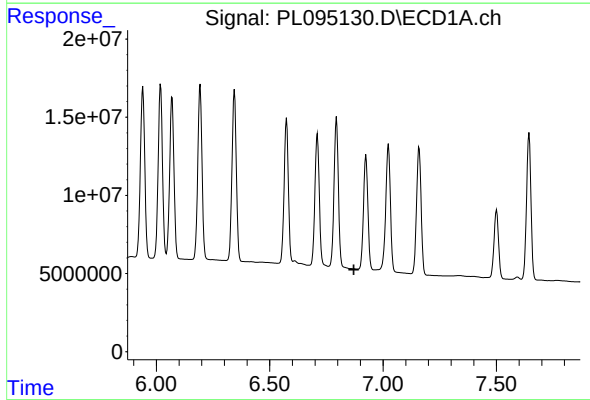
R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 146181350
Conc: 248.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



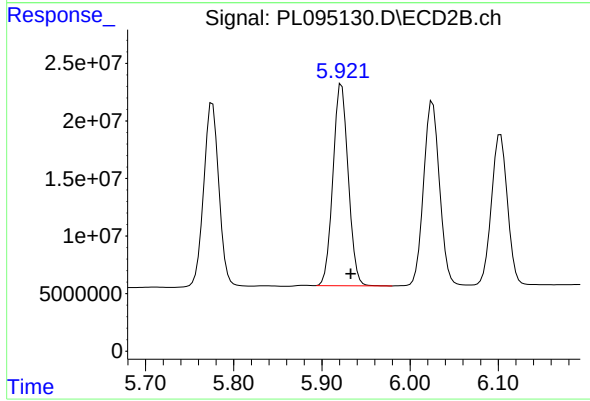
#26 Chlordane-4

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 226313744
Conc: 434.75 ng/ml



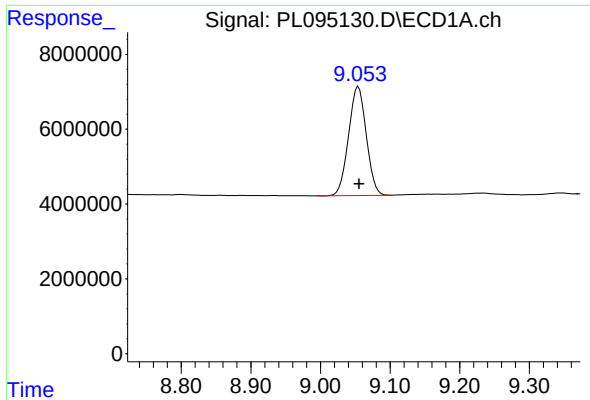
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

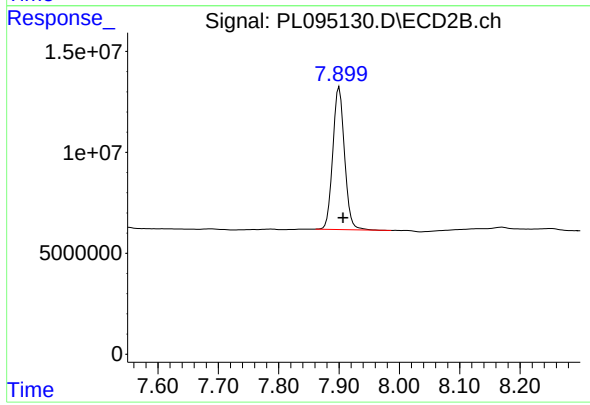
R.T.: 5.922 min
Delta R.T.: -0.010 min
Response: 211129878
Conc: 1100.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 51398863
Conc: 24.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167473BS



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 95358492
Conc: 23.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
 Data File : PL095138.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Apr 2025 16:49
 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 10 01:24:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.768	131.3E6	182.4E6	46.387	51.110
28)	SA Decachlor...	9.048	7.899	101.5E6	165.3E6	48.172	40.931
Target Compounds							
2)	A alpha-BHC	3.990	3.269	189.7E6	277.0E6	45.686	51.374
3)	MA gamma-BHC...	4.323	3.599	180.3E6	261.3E6	45.189	50.836
4)	MA Heptachlor	4.910	3.936	166.8E6	251.1E6	42.964	47.667
5)	MB Aldrin	5.252	4.215	160.7E6	236.9E6	43.523	48.578
6)	B beta-BHC	4.522	3.899	81970715	113.5E6	44.423	51.079
7)	B delta-BHC	4.769	4.127	177.9E6	254.4E6	45.675	50.868
8)	B Heptachlo...	5.678	4.717	147.8E6	216.0E6	44.197	47.169
9)	A Endosulfan I	6.064	5.087	138.4E6	186.1E6	45.084	42.404
10)	B gamma-Chl...	5.935	4.967	150.6E6	224.5E6	44.704	46.495
11)	B alpha-Chl...	6.013	5.031	147.6E6	220.1E6	44.766	46.123
12)	B 4,4'-DDE	6.188	5.220	145.5E6	242.9E6	49.470	52.262
13)	MA Dieldrin	6.340	5.351	144.9E6	249.3E6	45.314	51.389
14)	MA Endrin	6.569	5.627	128.2E6	204.0E6	46.236	46.750
15)	B Endosulfa...	6.789	5.922	123.0E6	192.2E6	45.326	44.416
16)	A 4,4'-DDD	6.706	5.774	111.9E6	179.8E6	51.653	49.995
17)	MA 4,4'-DDT	7.018	6.025	109.1E6	179.1E6	45.854	44.415
18)	B Endrin al...	6.919	6.101	89997618	145.8E6	42.633	43.314
19)	B Endosulfa...	7.154	6.324	110.8E6	187.4E6	45.539	45.998
20)	A Methoxychlor	7.495	6.599	57616817	94773607	48.131	44.682
21)	B Endrin ke...	7.639	6.829	122.7E6	207.8E6	46.408	43.542
22)	Mirex	8.112	7.008	88334793	160.5E6	42.751	42.300
24)	Chlordane-2	5.252f	4.354	160.7E6	-1941372	1062.072	N.D. #
25)	Chlordane-3	5.935	4.967	150.6E6	224.5E6	301.355	421.991 #
26)	Chlordane-4	6.013	5.031	147.6E6	220.1E6	250.534	422.883 #
27)	Chlordane-5	0.000	5.922	0	192.2E6	N.D.	1002.121 #

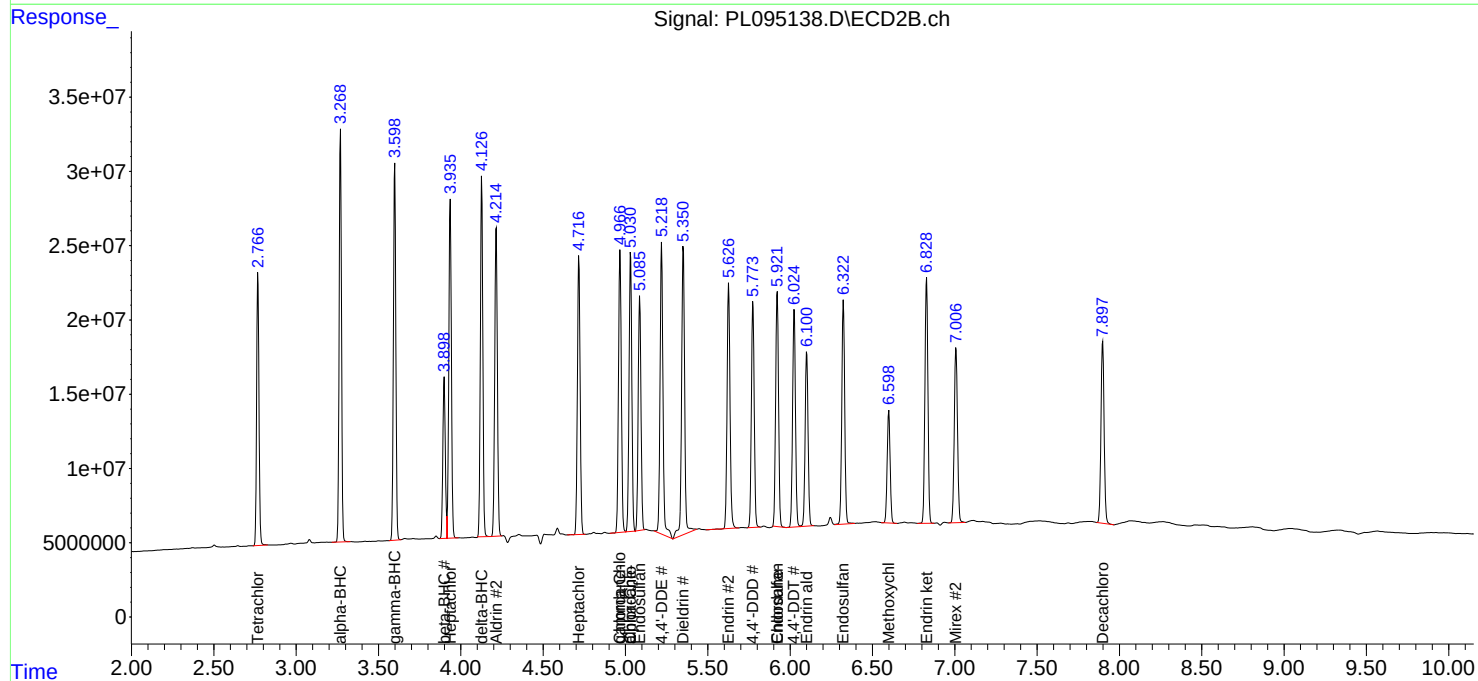
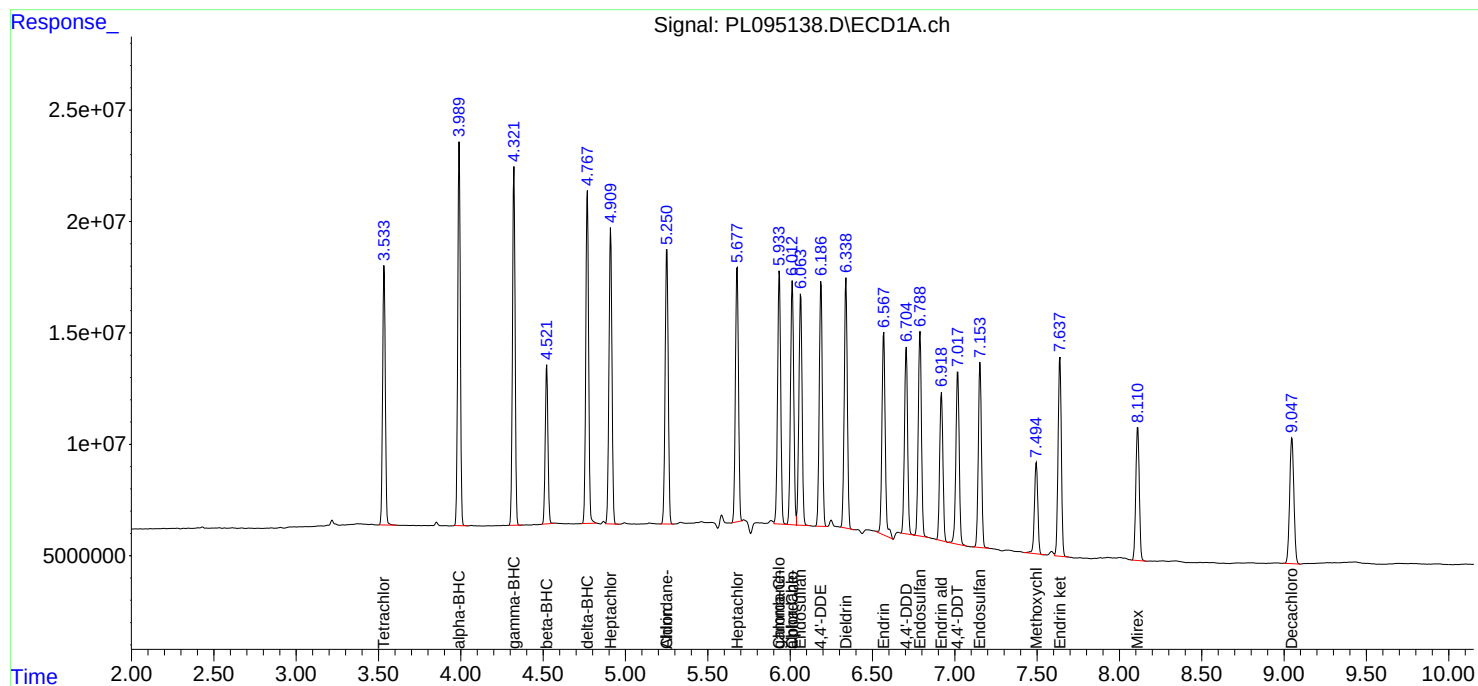
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

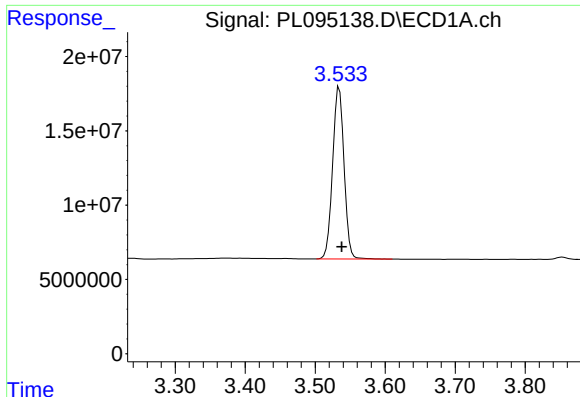
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040925\
Data File : PL095138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Apr 2025 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 10 01:24:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

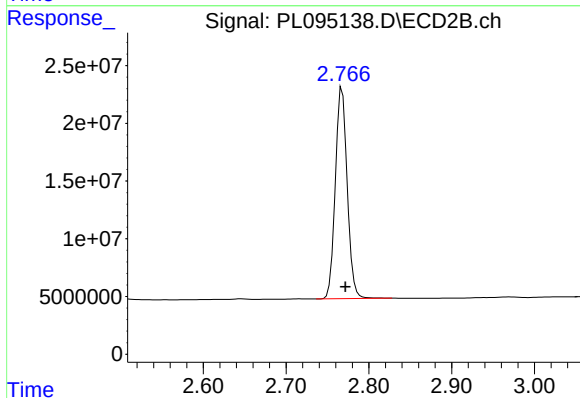




#1 Tetrachloro-m-xylene

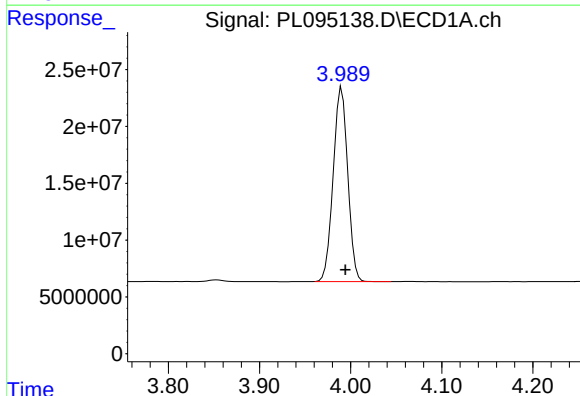
R.T.: 3.534 min
Delta R.T.: -0.004 min
Response: 131307212
Conc: 46.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



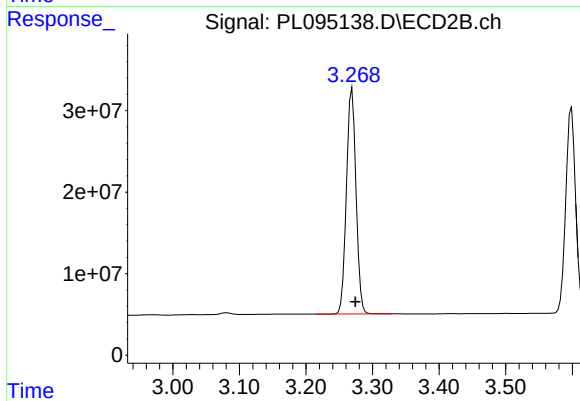
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 182425365
Conc: 51.11 ng/ml



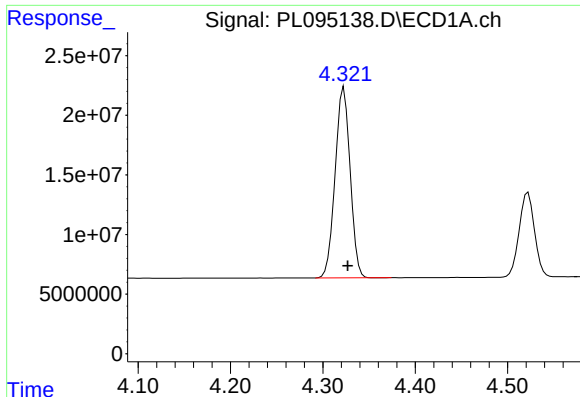
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 189703041
Conc: 45.69 ng/ml



#2 alpha-BHC

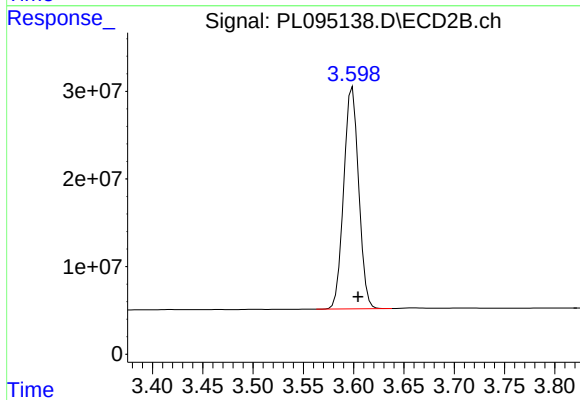
R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 276974682
Conc: 51.37 ng/ml



#3 gamma-BHC (Lindane)

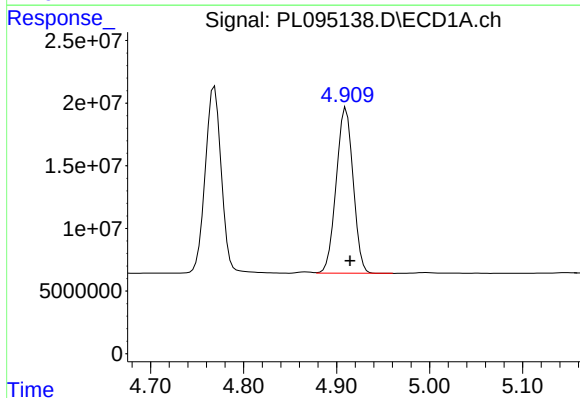
R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 180314572
Conc: 45.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



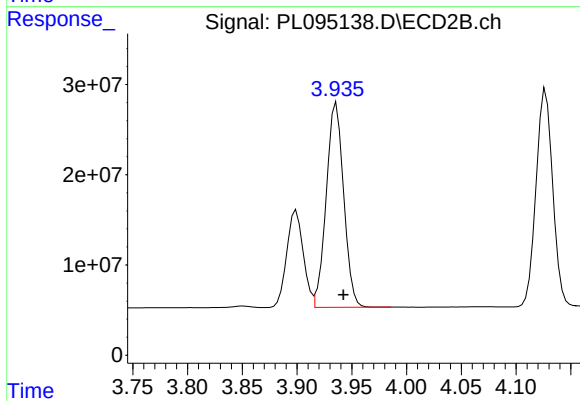
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 261267156
Conc: 50.84 ng/ml



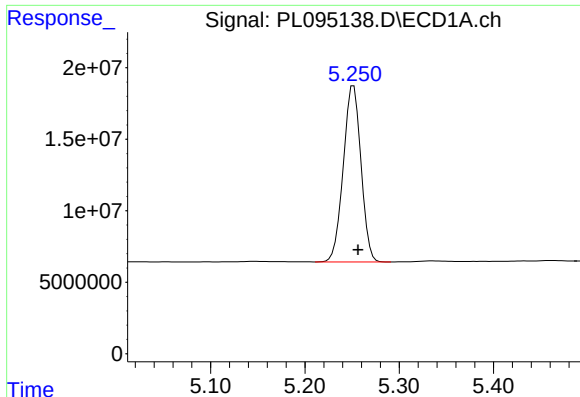
#4 Heptachlor

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 166772091
Conc: 42.96 ng/ml



#4 Heptachlor

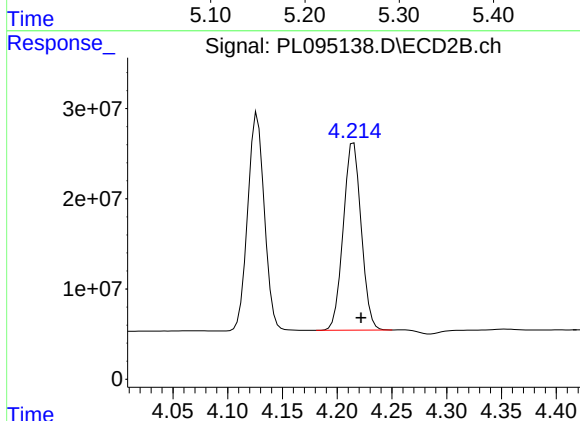
R.T.: 3.936 min
Delta R.T.: -0.006 min
Response: 251143014
Conc: 47.67 ng/ml



#5 Aldrin

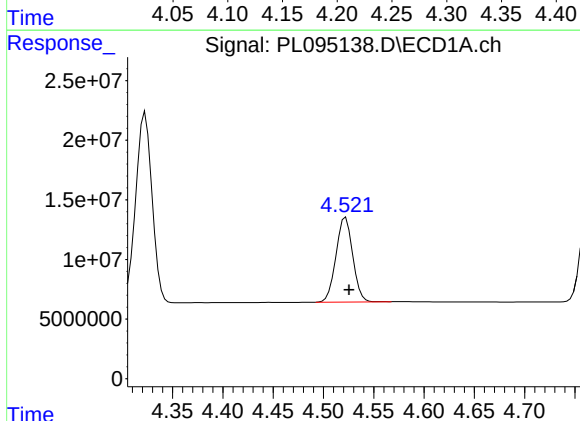
R.T.: 5.252 min
Delta R.T.: -0.005 min
Response: 160697039
Conc: 43.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



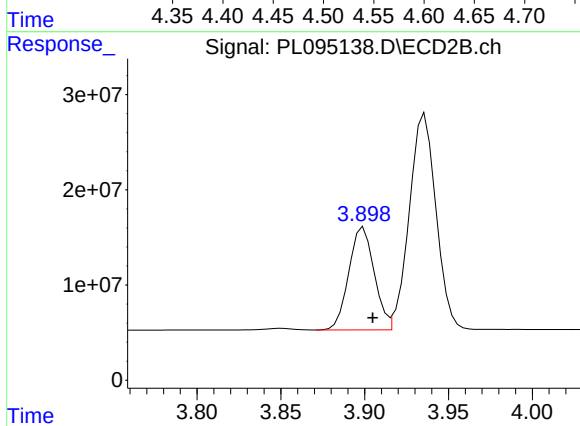
#5 Aldrin

R.T.: 4.215 min
Delta R.T.: -0.007 min
Response: 236882712
Conc: 48.58 ng/ml



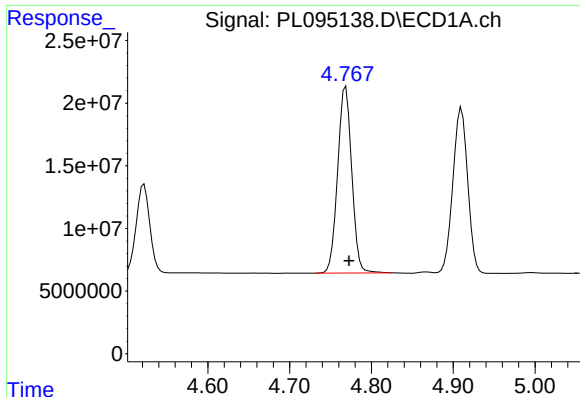
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 81970715
Conc: 44.42 ng/ml



#6 beta-BHC

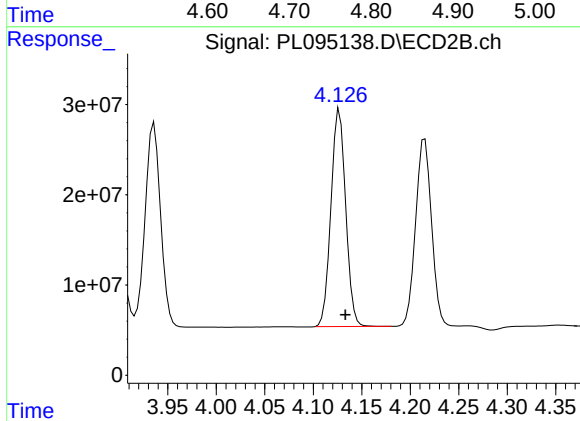
R.T.: 3.899 min
Delta R.T.: -0.005 min
Response: 113461422
Conc: 51.08 ng/ml



#7 delta-BHC

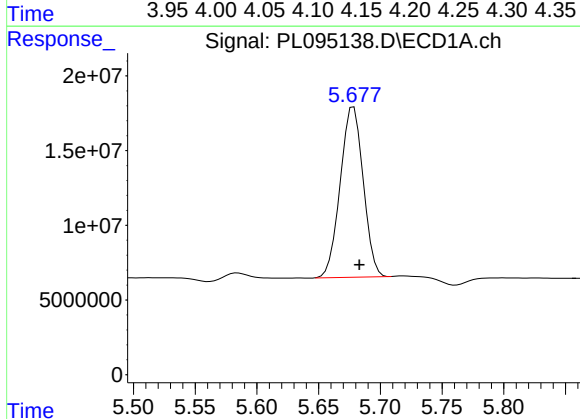
R.T.: 4.769 min
Delta R.T.: -0.004 min
Response: 177870858
Conc: 45.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



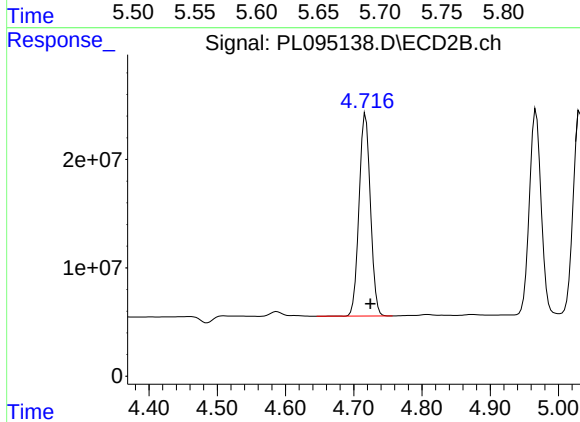
#7 delta-BHC

R.T.: 4.127 min
Delta R.T.: -0.006 min
Response: 254439237
Conc: 50.87 ng/ml



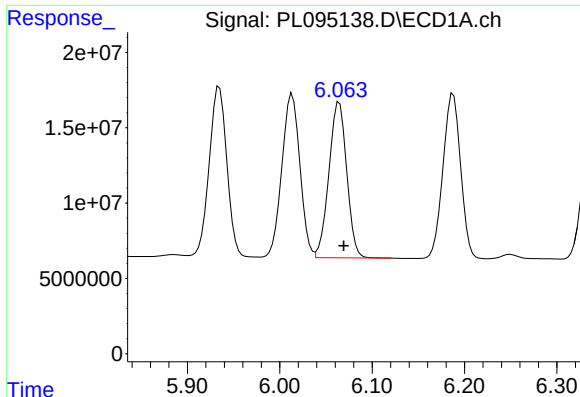
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 147847153
Conc: 44.20 ng/ml



#8 Heptachlor epoxide

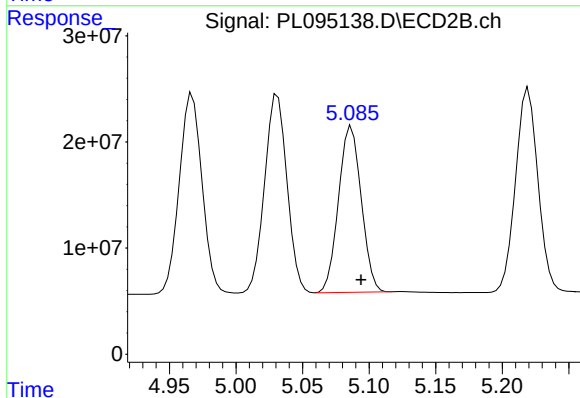
R.T.: 4.717 min
Delta R.T.: -0.007 min
Response: 215967610
Conc: 47.17 ng/ml



#9 Endosulfan I

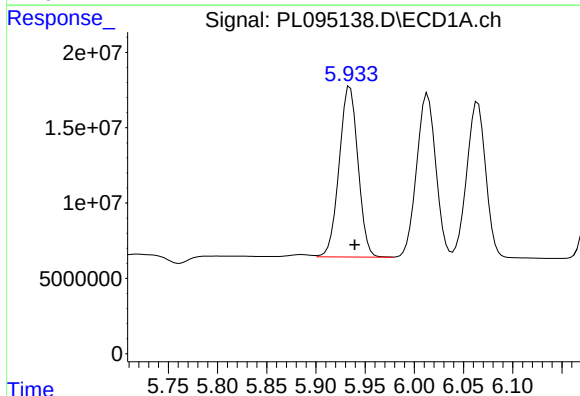
R.T.: 6.064 min
Delta R.T.: -0.005 min
Response: 138417438
Conc: 45.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



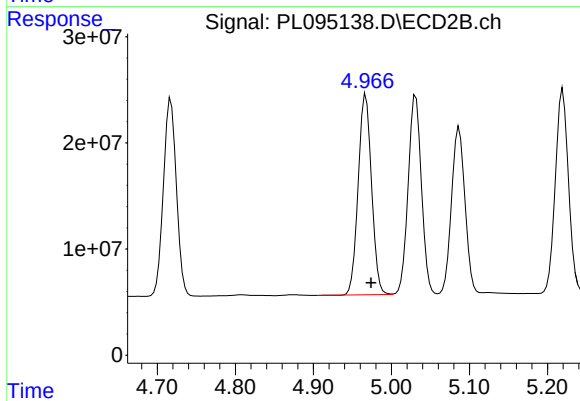
#9 Endosulfan I

R.T.: 5.087 min
Delta R.T.: -0.007 min
Response: 186101263
Conc: 42.40 ng/ml



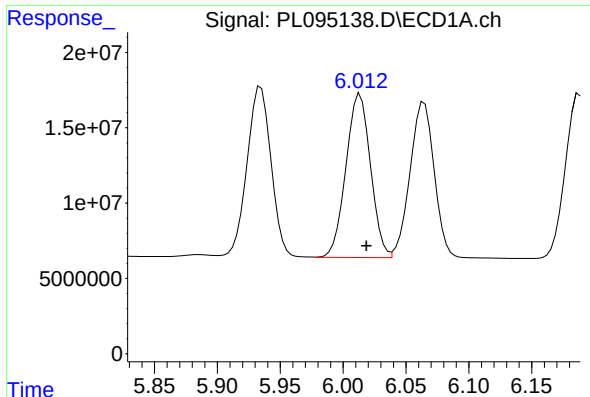
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 150623275
Conc: 44.70 ng/ml



#10 gamma-Chlordane

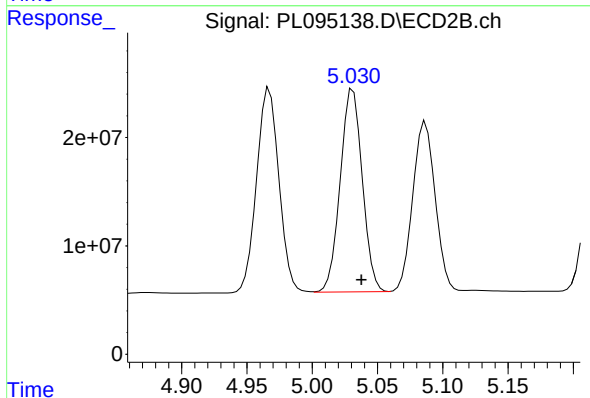
R.T.: 4.967 min
Delta R.T.: -0.007 min
Response: 224498477
Conc: 46.50 ng/ml



#11 alpha-Chlordane

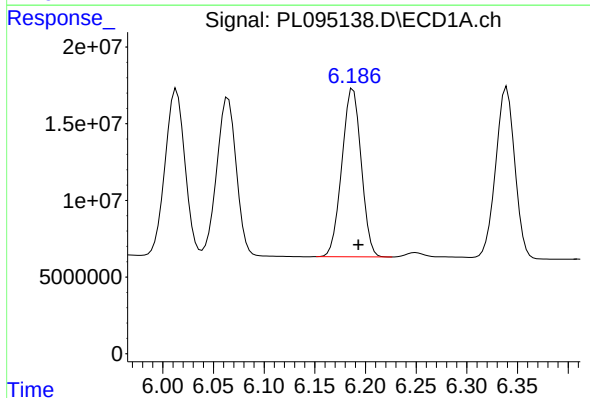
R.T.: 6.013 min
Delta R.T.: -0.005 min
Response: 147587932
Conc: 44.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



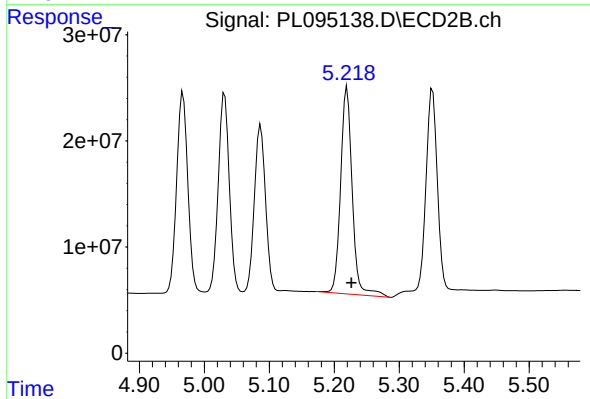
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.006 min
Response: 220136036
Conc: 46.12 ng/ml



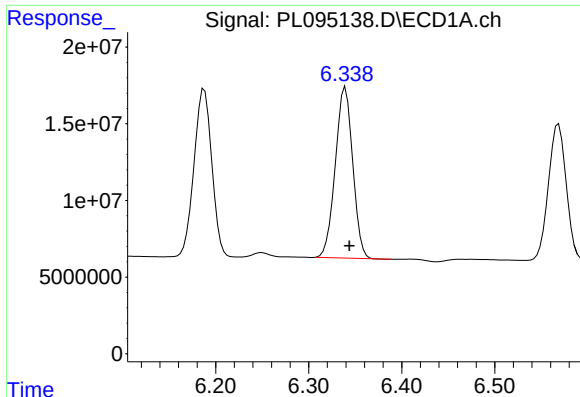
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 145543970
Conc: 49.47 ng/ml



#12 4,4'-DDE

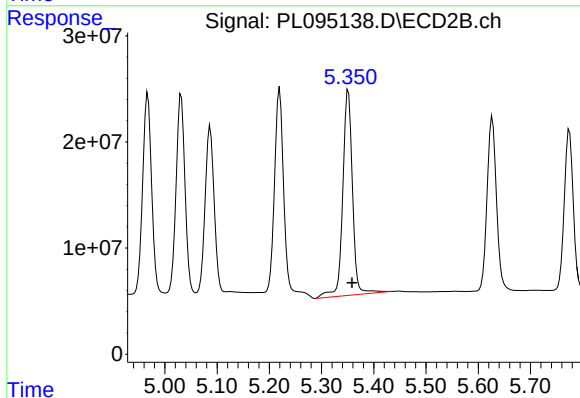
R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 242940175
Conc: 52.26 ng/ml



#13 Dieldrin

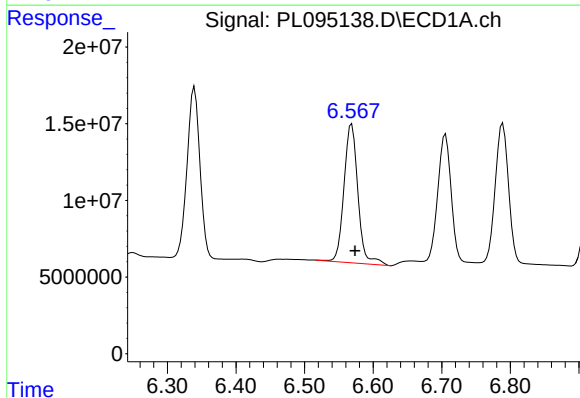
R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 144919119
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



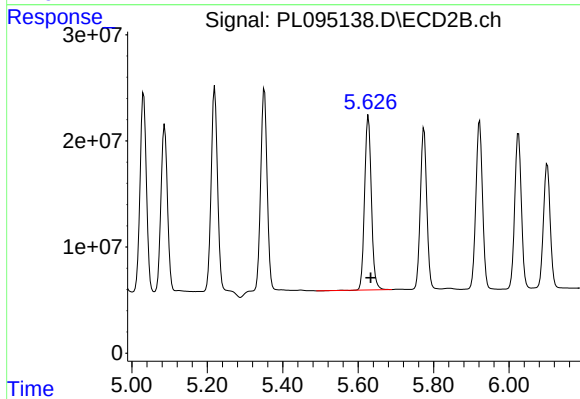
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 249328586
Conc: 51.39 ng/ml



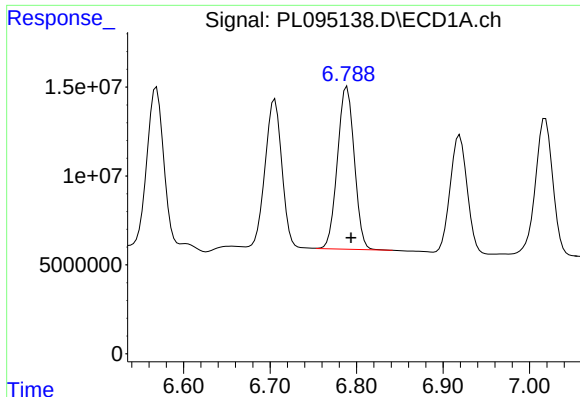
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 128170659
Conc: 46.24 ng/ml



#14 Endrin

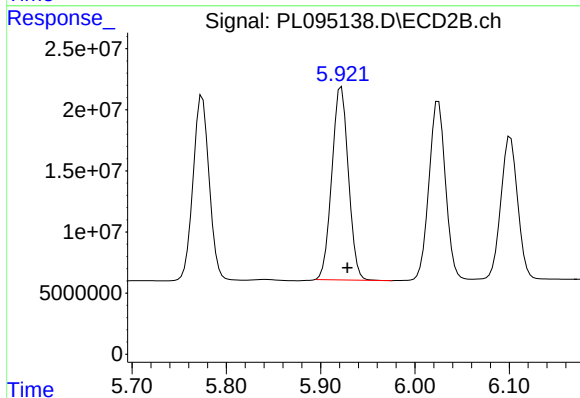
R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 204001566
Conc: 46.75 ng/ml



#15 Endosulfan II

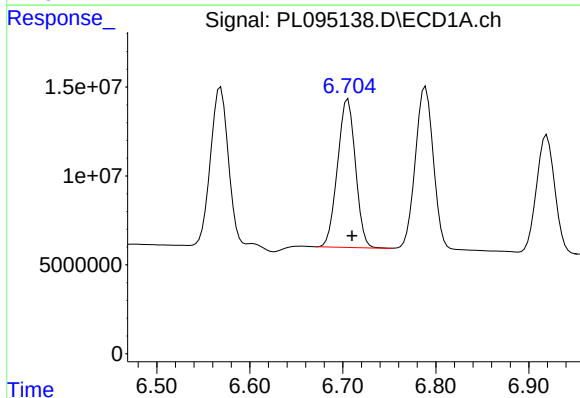
R.T.: 6.789 min
Delta R.T.: -0.005 min
Response: 123049667
Conc: 45.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



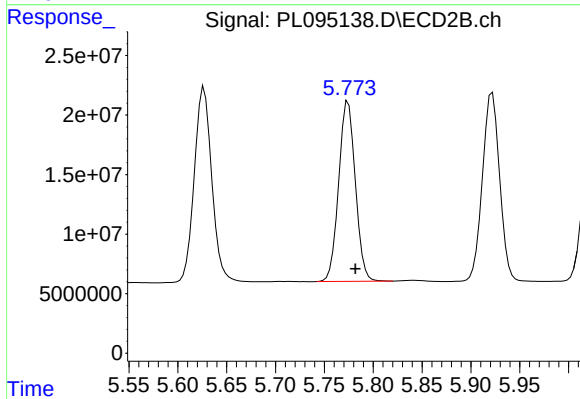
#15 Endosulfan II

R.T.: 5.922 min
Delta R.T.: -0.007 min
Response: 192242965
Conc: 44.42 ng/ml



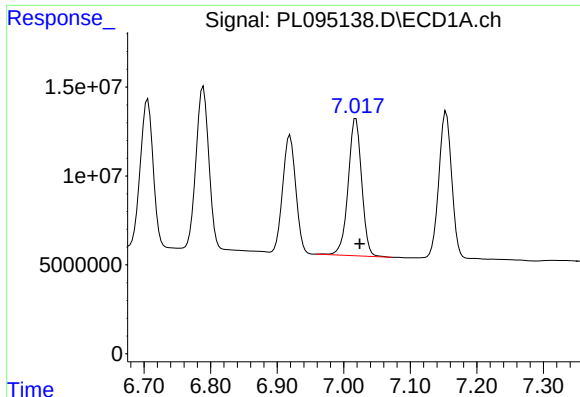
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 111883433
Conc: 51.65 ng/ml



#16 4,4'-DDD

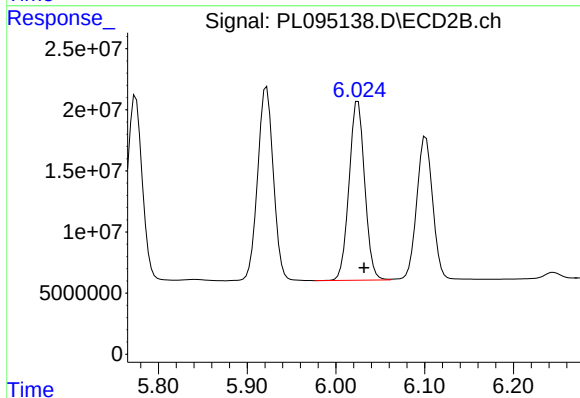
R.T.: 5.774 min
Delta R.T.: -0.008 min
Response: 179775557
Conc: 49.99 ng/ml



#17 4,4'-DDT

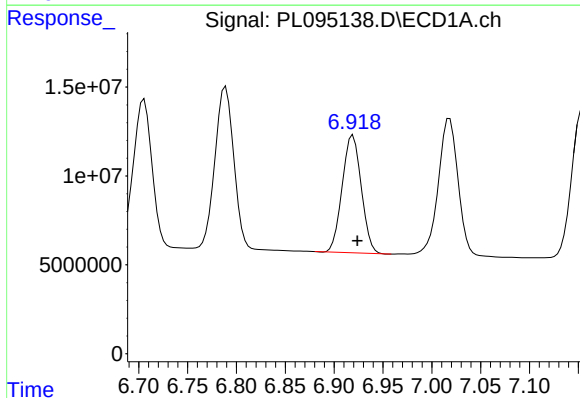
R.T.: 7.018 min
Delta R.T.: -0.006 min
Response: 109066668
Conc: 45.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



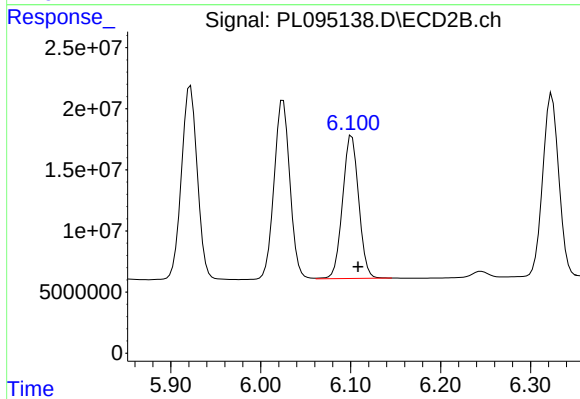
#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.007 min
Response: 179086165
Conc: 44.42 ng/ml



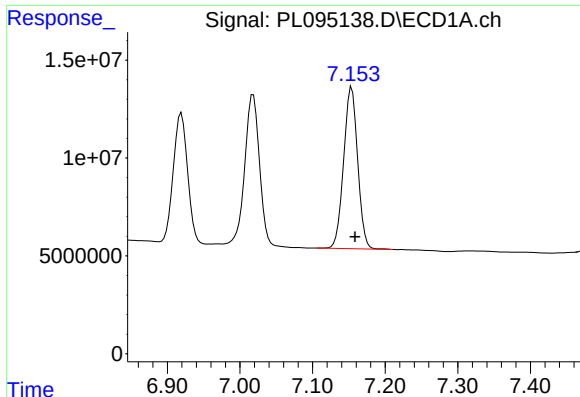
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.004 min
Response: 89997618
Conc: 42.63 ng/ml



#18 Endrin aldehyde

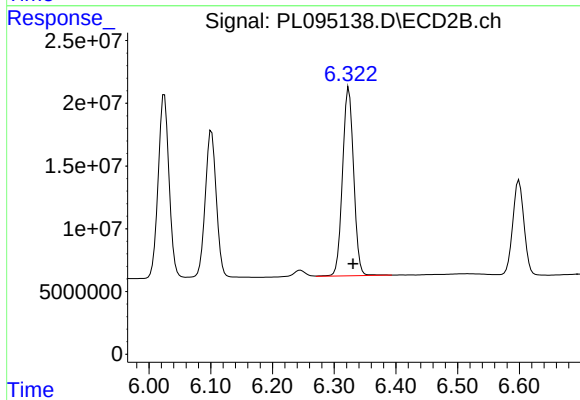
R.T.: 6.101 min
Delta R.T.: -0.007 min
Response: 145768640
Conc: 43.31 ng/ml



#19 Endosulfan Sulfate

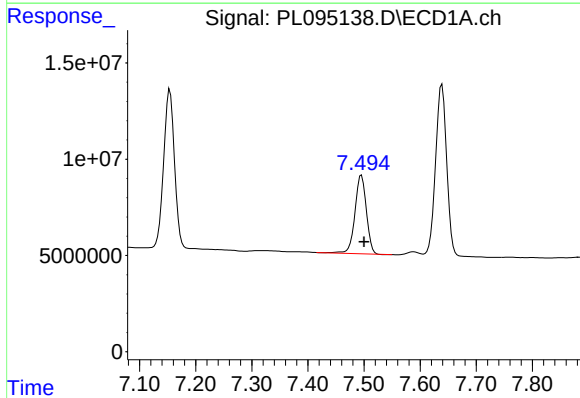
R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 110752917
Conc: 45.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



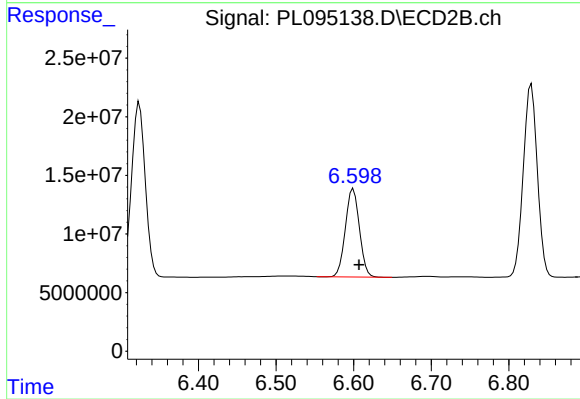
#19 Endosulfan Sulfate

R.T.: 6.324 min
Delta R.T.: -0.007 min
Response: 187370696
Conc: 46.00 ng/ml



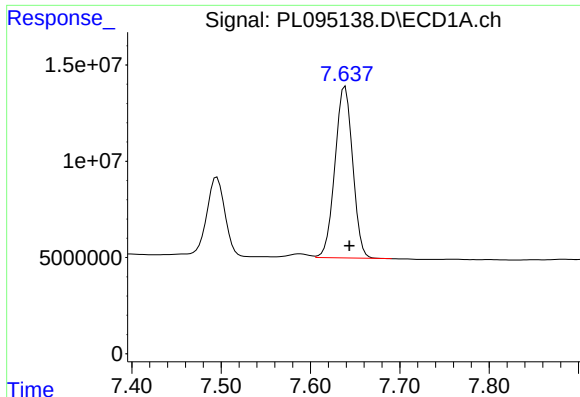
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: -0.004 min
Response: 57616817
Conc: 48.13 ng/ml



#20 Methoxychlor

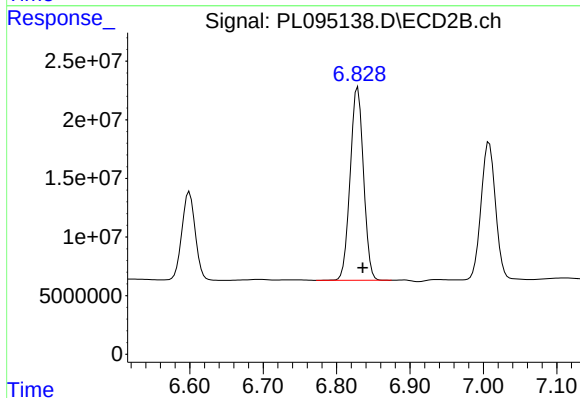
R.T.: 6.599 min
Delta R.T.: -0.007 min
Response: 94773607
Conc: 44.68 ng/ml



#21 Endrin ketone

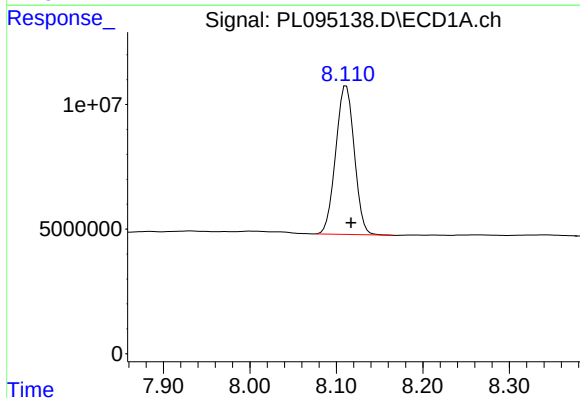
R.T.: 7.639 min
Delta R.T.: -0.005 min
Response: 122668171
Conc: 46.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



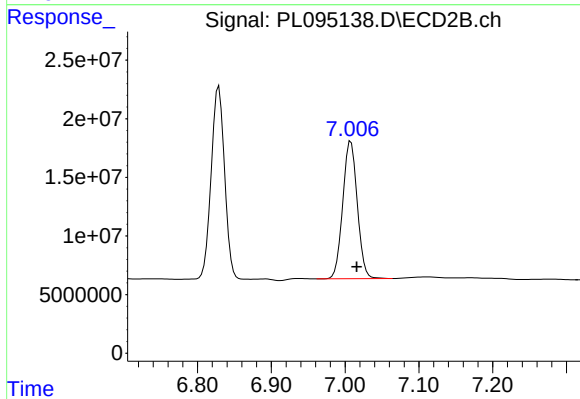
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 207806979
Conc: 43.54 ng/ml



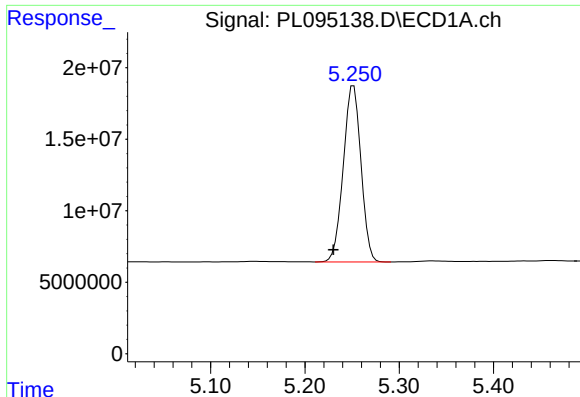
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 88334793
Conc: 42.75 ng/ml



#22 Mirex

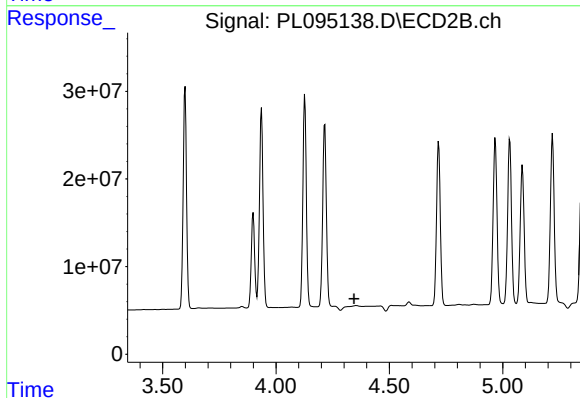
R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 160543571
Conc: 42.30 ng/ml



#24 Chlordane-2

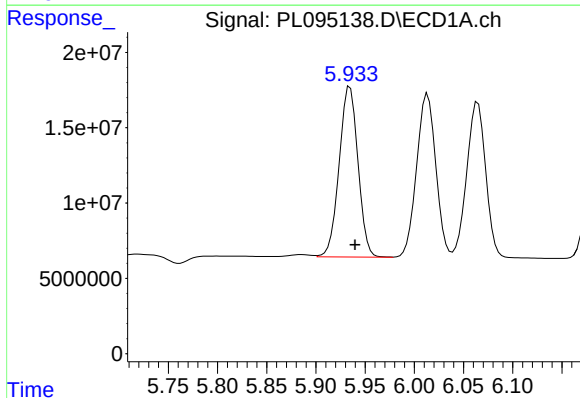
R.T.: 5.252 min
Delta R.T.: 0.021 min
Response: 160697039
Conc: 1062.07 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



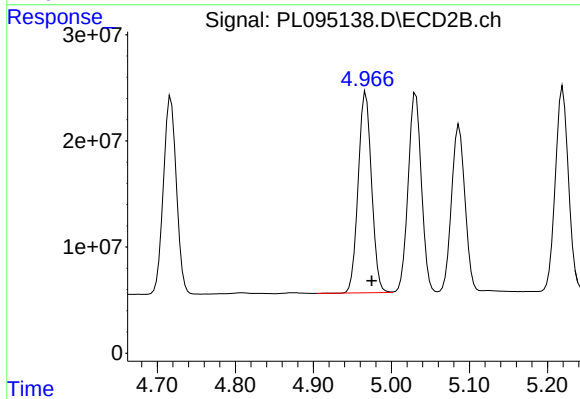
#24 Chlordane-2

R.T.: 4.354 min
Delta R.T.: 0.009 min
Response: -1941372
Conc: N.D.



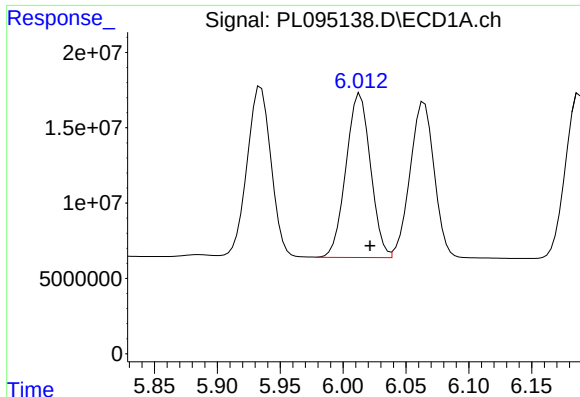
#25 Chlordane-3

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 150623275
Conc: 301.35 ng/ml



#25 Chlordane-3

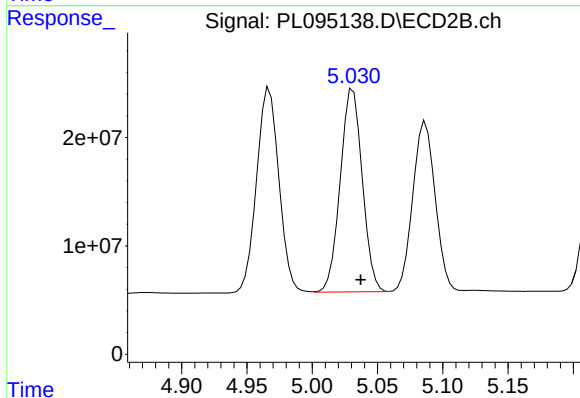
R.T.: 4.967 min
Delta R.T.: -0.008 min
Response: 224498477
Conc: 421.99 ng/ml



#26 Chlordane-4

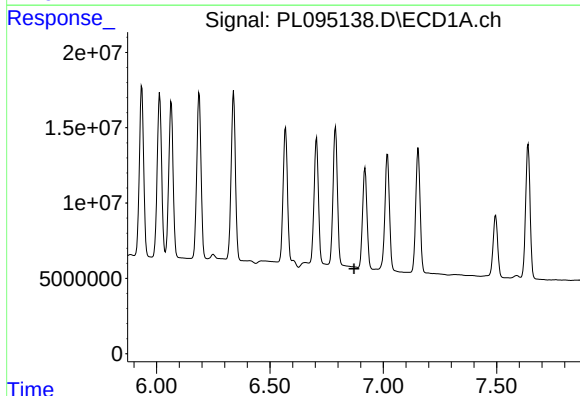
R.T.: 6.013 min
Delta R.T.: -0.008 min
Response: 147587932
Conc: 250.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



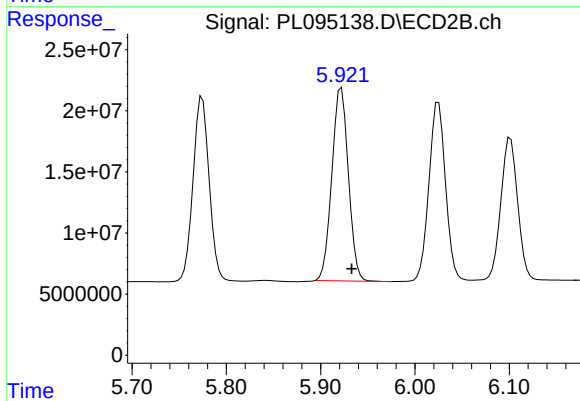
#26 Chlordane-4

R.T.: 5.031 min
Delta R.T.: -0.006 min
Response: 220136036
Conc: 422.88 ng/ml



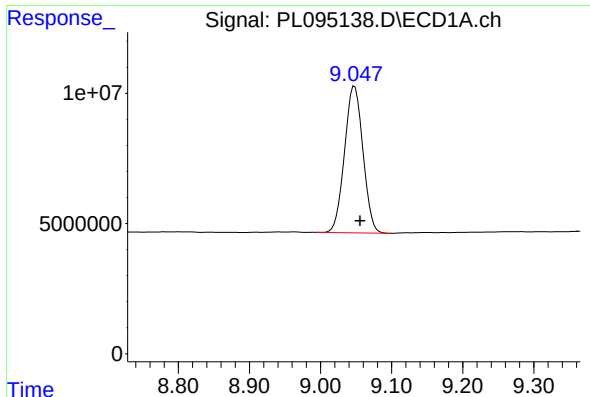
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.871 min
Response: 0
Conc: N.D.



#27 Chlordane-5

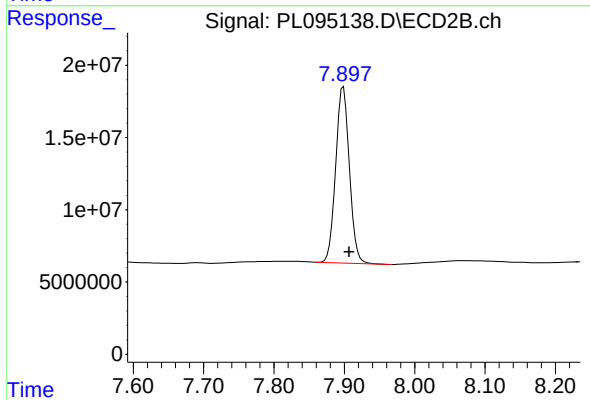
R.T.: 5.922 min
Delta R.T.: -0.011 min
Response: 192242965
Conc: 1002.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.008 min
Response: 101519953
Conc: 48.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.899 min
Delta R.T.: -0.008 min
Response: 165333916
Conc: 40.93 ng/ml