

Cover Page

Order ID : Q1382

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q1382-01
Q1382-02
Q1382-03
Q1382-04
Q1382-05
Q1382-06
Q1382-07
Q1382-08
Q1382-09
Q1382-10
Q1382-11
Q1382-12
Q1382-13
Q1382-14
Q1382-15
Q1382-16
Q1382-17
Q1382-18
Q1382-19
Q1382-20

Client Sample Number

OU4-PCS-TC-01-021725
OU4-PCS-TC-01-021725
OU4-PCS-TC-02-021725
OU4-PCS-TC-02-021725
OU4-PCS-TC-03-021725
OU4-PCS-TC-03-021725
OU4-PCS-TC-04-021725
OU4-PCS-TC-04-021725
OU4-PCS-TC-05-021725
OU4-PCS-TC-05-021725
OU4-PCS-TC-06-021725
OU4-PCS-TC-06-021725
OU4-PCS-TC-07-021725
OU4-PCS-TC-07-021725
OU4-PCS-TC-08-021725
OU4-PCS-TC-08-021725
OU4-PCS-TC-09-021725
OU4-PCS-TC-09-021725
OU4-PCS-TC-10-021725
OU4-PCS-TC-10-021725

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 : _____

Date: 2/24/2025



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

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1382

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 02/18/2025.

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 except for OU4-PCS-TC-05-021725 [Decachlorobiphenyl(2) - 132%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

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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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_____

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1382

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. The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-05-021725 [Decachlorobiphenyl(2) - 132%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The 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:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1382

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: 02/24/2025

LAB CHRONICLE

OrderID:	Q1382	OrderDate:	2/18/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1382-01	OU4-PCS-TC-01-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03	OU4-PCS-TC-02-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-03RE	OU4-PCS-TC-02-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-05	OU4-PCS-TC-03-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-05RE	OU4-PCS-TC-03-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-07	OU4-PCS-TC-04-0217 25	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1382-07RE	OU4-PCS-TC-04-0217 25RE	SOIL			02/17/25			02/18/25
			PCB	8082A		02/19/25	02/20/25	
Q1382-09	OU4-PCS-TC-05-0217 25	SOIL			02/17/25			02/18/25

LAB CHRONICLE

			PCB	8082A	02/19/25	02/21/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11	OU4-PCS-TC-06-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-11RE	OU4-PCS-TC-06-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	
Q1382-13	OU4-PCS-TC-07-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-15	OU4-PCS-TC-08-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-17	OU4-PCS-TC-09-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19	OU4-PCS-TC-10-0217 25	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/19/25	
			Pesticide-TCL	8081B	02/19/25	02/19/25	
Q1382-19RE	OU4-PCS-TC-10-0217 25RE	SOIL			02/17/25		02/18/25
			PCB	8082A	02/19/25	02/20/25	



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Hit Summary Sheet
SW-846

SDG No.: Q1382

Order ID: Q1382

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

Surrogate Summary

SDG No.: **Q1382**

Client: **Nobis Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL093725.D	PIBLK-PL093725.D	Decachlorobiphenyl	1	20	22.1	111		30	135
		Tetrachloro-m-xylene	1	20	20.8	104		44	124
		Decachlorobiphenyl	2	20	21.9	109		30	135
		Tetrachloro-m-xylene	2	20	20.5	103		44	124
I.BLK-PL094255.D	PIBLK-PL094255.D	Decachlorobiphenyl	1	20	25.6	128		30	135
		Tetrachloro-m-xylene	1	20	23.5	117		44	124
		Decachlorobiphenyl	2	20	27.8	139	*	30	135
		Tetrachloro-m-xylene	2	20	24.6	123		44	124
PB166771BL	PB166771BL	Decachlorobiphenyl	1	20	22.3	112		55	130
		Tetrachloro-m-xylene	1	20	19.6	98		42	129
		Decachlorobiphenyl	2	20	23.8	119		55	130
		Tetrachloro-m-xylene	2	20	19.7	99		42	129
PB166771BS	PB166771BS	Decachlorobiphenyl	1	20	24.2	121		55	130
		Tetrachloro-m-xylene	1	20	21.0	105		42	129
		Decachlorobiphenyl	2	20	25.2	126		55	130
		Tetrachloro-m-xylene	2	20	21.1	105		42	129
Q1382-01	OU4-PCS-TC-01-021725	Decachlorobiphenyl	1	20	19.8	99		55	130
		Tetrachloro-m-xylene	1	20	22.4	112		42	129
		Decachlorobiphenyl	2	20	20.3	101		55	130
		Tetrachloro-m-xylene	2	20	23.4	117		42	129
Q1382-01MS	OU4-PCS-TC-01-021725MS	Decachlorobiphenyl	1	20	19.2	96		55	130
		Tetrachloro-m-xylene	1	20	20.5	102		42	129
		Decachlorobiphenyl	2	20	19.9	100		55	130
		Tetrachloro-m-xylene	2	20	20.8	104		42	129
Q1382-01MSD	OU4-PCS-TC-01-021725MSD	Decachlorobiphenyl	1	20	18.4	92		55	130
		Tetrachloro-m-xylene	1	20	20.1	101		42	129
		Decachlorobiphenyl	2	20	19.6	98		55	130
		Tetrachloro-m-xylene	2	20	20.7	104		42	129
Q1382-03	OU4-PCS-TC-02-021725	Decachlorobiphenyl	1	20	22.9	115		55	130
		Tetrachloro-m-xylene	1	20	23.4	117		42	129
		Decachlorobiphenyl	2	20	23.9	119		55	130
		Tetrachloro-m-xylene	2	20	24.3	121		42	129
Q1382-05	OU4-PCS-TC-03-021725	Decachlorobiphenyl	1	20	23.3	116		55	130
		Tetrachloro-m-xylene	1	20	23.9	120		42	129
		Decachlorobiphenyl	2	20	23.9	120		55	130
		Tetrachloro-m-xylene	2	20	24.5	123		42	129
Q1382-07	OU4-PCS-TC-04-021725	Decachlorobiphenyl	1	20	23.0	115		55	130
		Tetrachloro-m-xylene	1	20	24.0	120		42	129
		Decachlorobiphenyl	2	20	24.2	121		55	130
		Tetrachloro-m-xylene	2	20	24.9	125		42	129
I.BLK-PL094270.D	PIBLK-PL094270.D	Decachlorobiphenyl	1	20	24.2	121		30	135

Surrogate Summary

SDG No.: **Q1382**

Client: **Nobis Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094270.D	PIBLK-PL094270.D	Tetrachloro-m-xylene	1	20	21.9	109		44	124
		Decachlorobiphenyl	2	20	25.8	129		30	135
Q1382-09	OU4-PCS-TC-05-021725	Tetrachloro-m-xylene	2	20	22.1	110		44	124
		Decachlorobiphenyl	1	20	25.3	127		55	130
		Tetrachloro-m-xylene	1	20	24.4	122		42	129
		Decachlorobiphenyl	2	20	26.3	132	*	55	130
		Tetrachloro-m-xylene	2	20	25.4	127		42	129
Q1382-11	OU4-PCS-TC-06-021725	Decachlorobiphenyl	1	20	23.4	117		55	130
		Tetrachloro-m-xylene	1	20	24.4	122		42	129
		Decachlorobiphenyl	2	20	24.4	122		55	130
		Tetrachloro-m-xylene	2	20	24.7	124		42	129
Q1382-13	OU4-PCS-TC-07-021725	Decachlorobiphenyl	1	20	24.1	121		55	130
		Tetrachloro-m-xylene	1	20	24.2	121		42	129
		Decachlorobiphenyl	2	20	24.9	125		55	130
		Tetrachloro-m-xylene	2	20	25.1	126		42	129
Q1382-15	OU4-PCS-TC-08-021725	Decachlorobiphenyl	1	20	20.3	101		55	130
		Tetrachloro-m-xylene	1	20	22.6	113		42	129
		Decachlorobiphenyl	2	20	20.8	104		55	130
		Tetrachloro-m-xylene	2	20	23.3	117		42	129
Q1382-17	OU4-PCS-TC-09-021725	Decachlorobiphenyl	1	20	20.7	104		55	130
		Tetrachloro-m-xylene	1	20	21.7	109		42	129
		Decachlorobiphenyl	2	20	21.9	110		55	130
		Tetrachloro-m-xylene	2	20	22.2	111		42	129
Q1382-19	OU4-PCS-TC-10-021725	Decachlorobiphenyl	1	20	24.1	121		55	130
		Tetrachloro-m-xylene	1	20	23.9	119		42	129
		Decachlorobiphenyl	2	20	25.0	125		55	130
		Tetrachloro-m-xylene	2	20	24.7	123		42	129
I.BLK-PL094284.D	PIBLK-PL094284.D	Decachlorobiphenyl	1	20	24.4	122		30	135
		Tetrachloro-m-xylene	1	20	22.1	111		44	124
		Decachlorobiphenyl	2	20	23.4	117		30	135
		Tetrachloro-m-xylene	2	20	22.7	113		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL094265.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-PCS-TC-01-021725MS									
Q1382-01MS	alpha-BHC	18.08	0	16.8	ug/kg	93		45	137	
	beta-BHC	18.08	0	17.3	ug/kg	96		50	136	
	delta-BHC	18.08	0	16.6	ug/kg	92		47	139	
	gamma-BHC (Lindane)	18.08	0	16.6	ug/kg	92		49	135	
	Heptachlor	18.08	0	17.8	ug/kg	98		47	136	
	Aldrin	18.08	0	17.4	ug/kg	96		45	136	
	Heptachlor epoxide	18.08	0	17.6	ug/kg	97		52	136	
	Endosulfan I	18.08	0	18.2	ug/kg	101		53	132	
	Dieldrin	18.08	0	18.3	ug/kg	101		56	136	
	4,4'-DDE	18.08	0	18.3	ug/kg	101		56	134	
	Endrin	18.08	0	19.8	ug/kg	110		57	140	
	Endosulfan II	18.08	0	18.9	ug/kg	105		53	134	
	4,4'-DDD	18.08	0	18.2	ug/kg	101		56	139	
	Endosulfan sulfate	18.08	0	18.6	ug/kg	103		55	136	
	4,4'-DDT	18.08	0	20.6	ug/kg	114		50	141	
	Methoxychlor	18.08	0	19.6	ug/kg	108		52	143	
	Endrin ketone	18.08	0	18.1	ug/kg	100		55	136	
	Endrin aldehyde	18.08	0	17.0	ug/kg	94		35	137	
	alpha-Chlordane	18.08	0	18.5	ug/kg	102		54	133	
	gamma-Chlordane	18.08	0	19.0	ug/kg	105		53	135	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: 8081B

DataFile : PL094266.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	OU4-PCS-TC-01-021725MSD											
Q1382-01MSD	alpha-BHC	18.11	0	16.5	ug/kg	91		2		45	137	20
	beta-BHC	18.11	0	17.1	ug/kg	94		2		50	136	20
	delta-BHC	18.11	0	16.5	ug/kg	91		1		47	139	20
	gamma-BHC (Lindane)	18.11	0	16.4	ug/kg	91		1		49	135	20
	Heptachlor	18.11	0	17.5	ug/kg	97		1		47	136	20
	Aldrin	18.11	0	17.1	ug/kg	94		2		45	136	20
	Heptachlor epoxide	18.11	0	17.4	ug/kg	96		1		52	136	20
	Endosulfan I	18.11	0	17.9	ug/kg	99		2		53	132	20
	Dieldrin	18.11	0	18.1	ug/kg	100		1		56	136	20
	4,4'-DDE	18.11	0	18.1	ug/kg	100		1		56	134	20
	Endrin	18.11	0	19.9	ug/kg	110		0		57	140	20
	Endosulfan II	18.11	0	18.7	ug/kg	103		2		53	134	20
	4,4'-DDD	18.11	0	18.0	ug/kg	99		2		56	139	20
	Endosulfan sulfate	18.11	0	18.2	ug/kg	100		3		55	136	20
	4,4'-DDT	18.11	0	20.4	ug/kg	113		1		50	141	20
	Methoxychlor	18.11	0	19.3	ug/kg	107		1		52	143	20
	Endrin ketone	18.11	0	18.0	ug/kg	99		1		55	136	20
	Endrin aldehyde	18.11	0	17.2	ug/kg	95		1		35	137	20
	alpha-Chlordane	18.11	0	18.2	ug/kg	100		2		54	133	20
	gamma-Chlordane	18.11	0	18.8	ug/kg	104		1		53	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1382

Client: Nobis Group

Analytical Method: **8081B** Datafile : PL094261.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166771BS	alpha-BHC	16.65	16.7	ug/kg	100				45	137	
	beta-BHC	16.65	16.9	ug/kg	102				50	136	
	delta-BHC	16.65	16.2	ug/kg	97				47	139	
	gamma-BHC (Lindane)	16.65	16.5	ug/kg	99				49	135	
	Heptachlor	16.65	18.0	ug/kg	108				47	136	
	Aldrin	16.65	17.0	ug/kg	102				45	136	
	Heptachlor epoxide	16.65	17.8	ug/kg	107				52	136	
	Endosulfan I	16.65	18.3	ug/kg	110				53	132	
	Dieldrin	16.65	18.2	ug/kg	109				56	136	
	4,4'-DDE	16.65	18.2	ug/kg	109				56	134	
	Endrin	16.65	19.2	ug/kg	115				57	140	
	Endosulfan II	16.65	19.0	ug/kg	114				53	134	
	4,4'-DDD	16.65	18.1	ug/kg	109				56	139	
	Endosulfan sulfate	16.65	18.8	ug/kg	113				55	136	
	4,4'-DDT	16.65	20.2	ug/kg	121				50	141	
	Methoxychlor	16.65	19.2	ug/kg	115				52	143	
	Endrin ketone	16.65	18.6	ug/kg	112				55	136	
	Endrin aldehyde	16.65	17.8	ug/kg	107				35	137	
	alpha-Chlordane	16.65	18.3	ug/kg	110				54	133	
	gamma-Chlordane	16.65	18.4	ug/kg	111				53	135	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166771BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382

SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: PB166771BL

Lab File ID: PL094260.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/19/2025

Date Analyzed (1): 02/19/2025

Date Analyzed (2): 02/19/2025

Time Analyzed (1): 14:37

Time Analyzed (2): 14:37

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
PB166771BS	PB166771BS	PL094261.D	02/19/2025	02/19/2025
OU4-PCS-TC-01-021725	Q1382-01	PL094264.D	02/19/2025	02/19/2025
OU4-PCS-TC-01-021725MS	Q1382-01MS	PL094265.D	02/19/2025	02/19/2025
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	PL094266.D	02/19/2025	02/19/2025
OU4-PCS-TC-02-021725	Q1382-03	PL094267.D	02/19/2025	02/19/2025
OU4-PCS-TC-03-021725	Q1382-05	PL094268.D	02/19/2025	02/19/2025
OU4-PCS-TC-04-021725	Q1382-07	PL094269.D	02/19/2025	02/19/2025
OU4-PCS-TC-05-021725	Q1382-09	PL094274.D	02/19/2025	02/19/2025
OU4-PCS-TC-06-021725	Q1382-11	PL094275.D	02/19/2025	02/19/2025
OU4-PCS-TC-07-021725	Q1382-13	PL094276.D	02/19/2025	02/19/2025
OU4-PCS-TC-08-021725	Q1382-15	PL094277.D	02/19/2025	02/19/2025
OU4-PCS-TC-09-021725	Q1382-17	PL094278.D	02/19/2025	02/19/2025
OU4-PCS-TC-10-021725	Q1382-19	PL094279.D	02/19/2025	02/19/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094264.D	1	02/19/25 08:10	02/19/25 16:12	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		42 - 129		117%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094264.D	1	02/19/25 08:10	02/19/25 16:12	PB166771

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\PL021925\
 Data File : PL094264.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:12
 Operator : AR\AJ
 Sample : Q1382-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.541	2.771	60328163	76487210	22.404m	23.432
28) SA Decachlor...	9.055	7.906	41500070	71065989	19.838	20.281

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:12
Operator : AR\AJ
Sample : Q1382-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

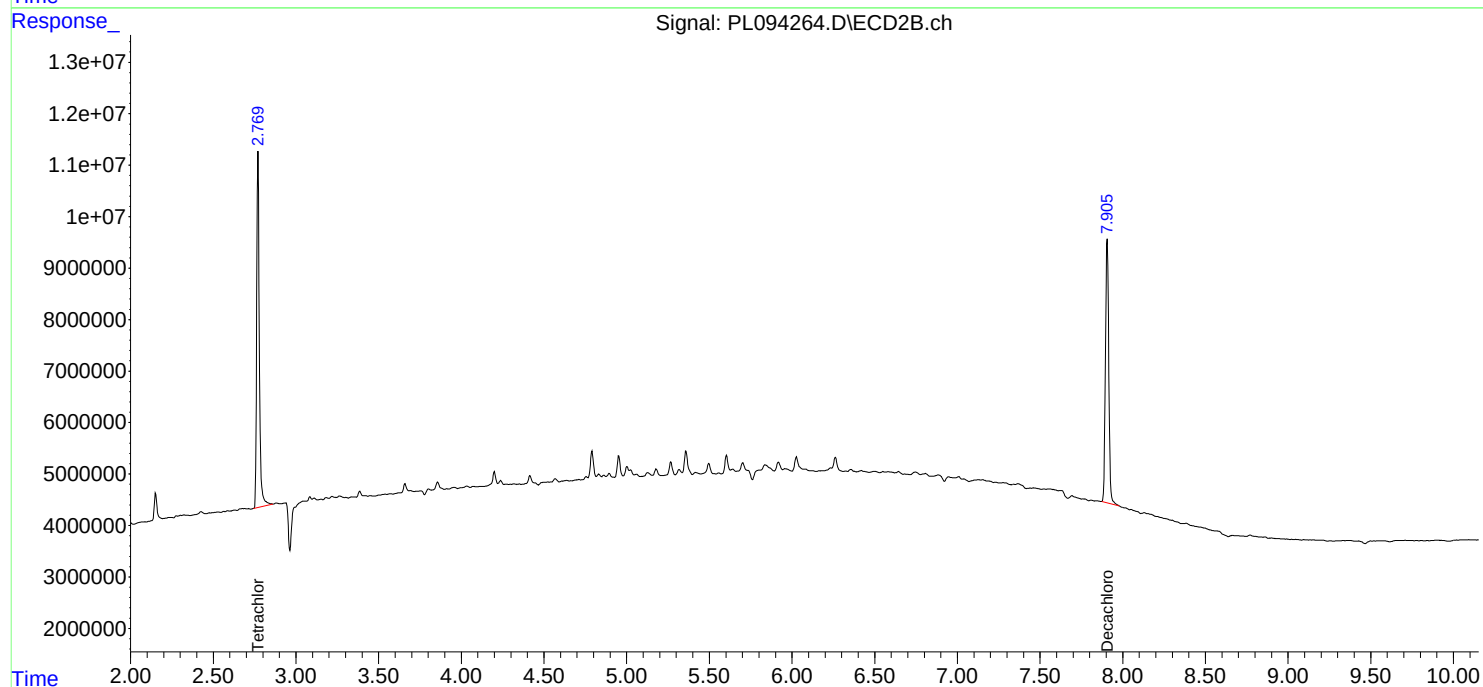
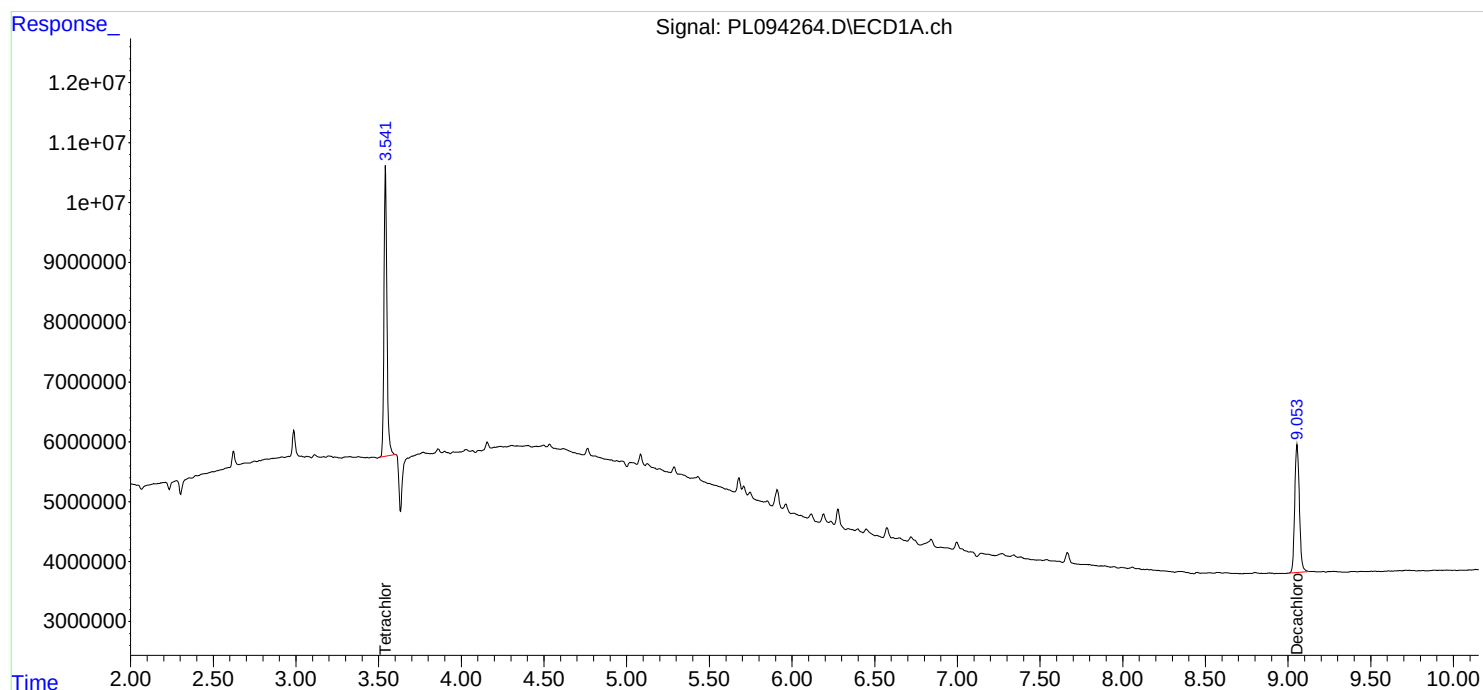
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725

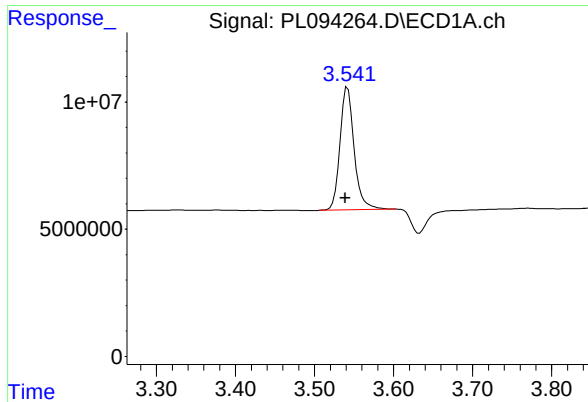
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





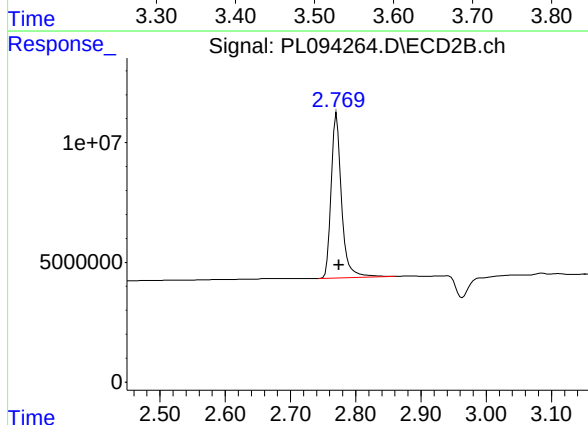
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.002 min
Response: 60328163
Conc: 22.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725

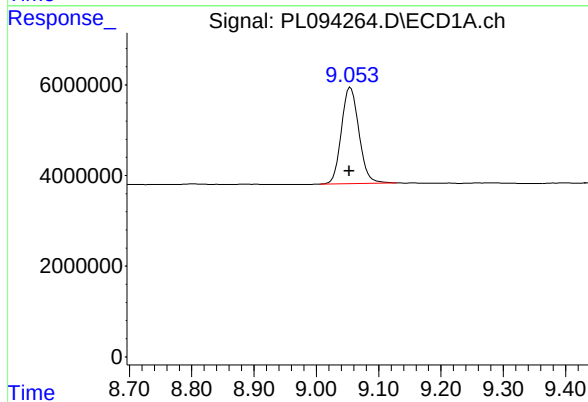
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



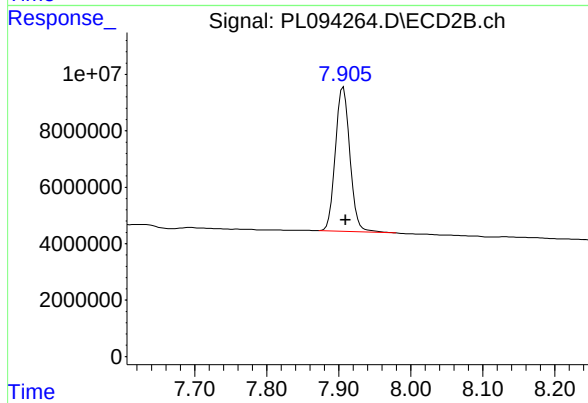
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.004 min
Response: 76487210
Conc: 23.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 41500070
Conc: 19.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.003 min
Response: 71065989
Conc: 20.28 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-02-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.7 Decanted:
Sample Wt/Vol:	30.1 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
PL094267.D	1	02/19/25 08:10	02/19/25 16:52	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.3		42 - 129		121%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-02-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.1	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
PL094267.D	1	02/19/25 08:10	02/19/25 16:52	PB166771

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\PL021925\
 Data File : PL094267.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:52
 Operator : AR\AJ
 Sample : Q1382-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-02-021725

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.771	63083944	79188508	23.427m	24.260
28) SA Decachlor...	9.050	7.906	48001240	83692907	22.946	23.885

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:52
Operator : AR\AJ
Sample : Q1382-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

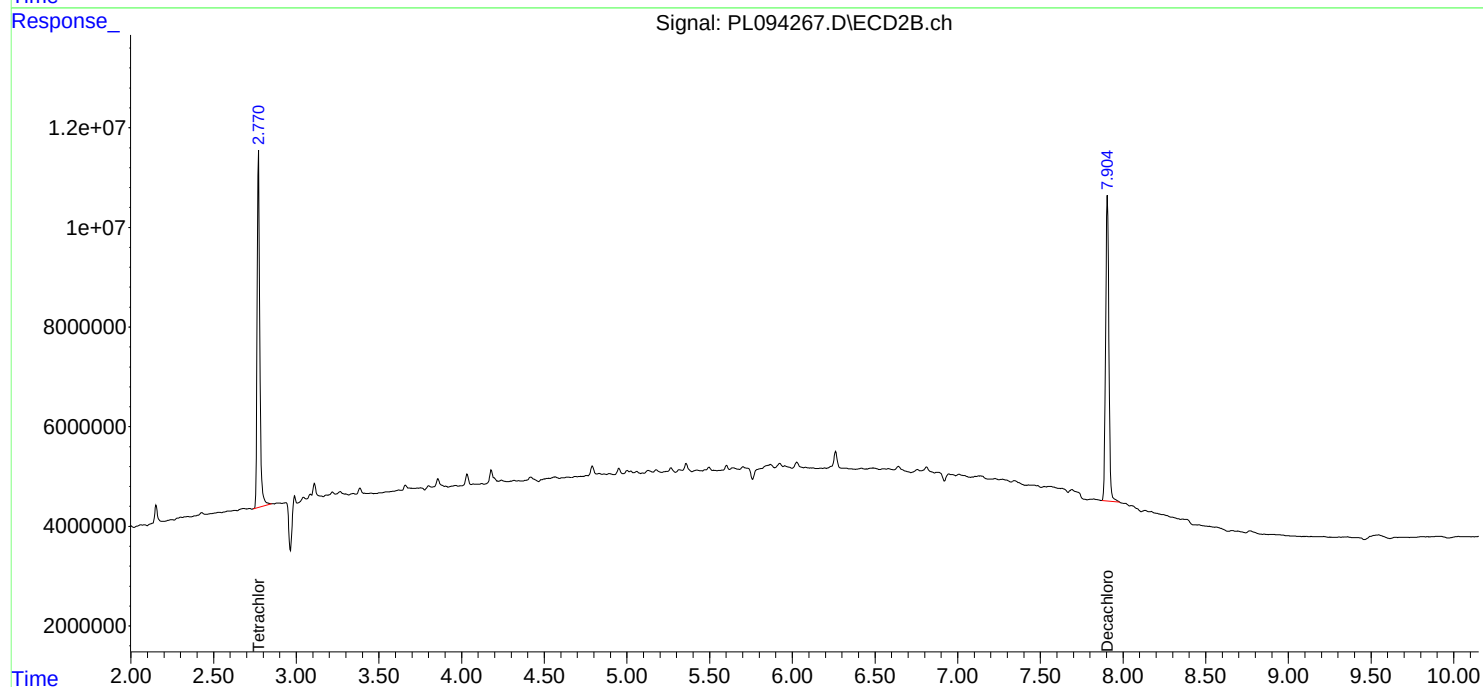
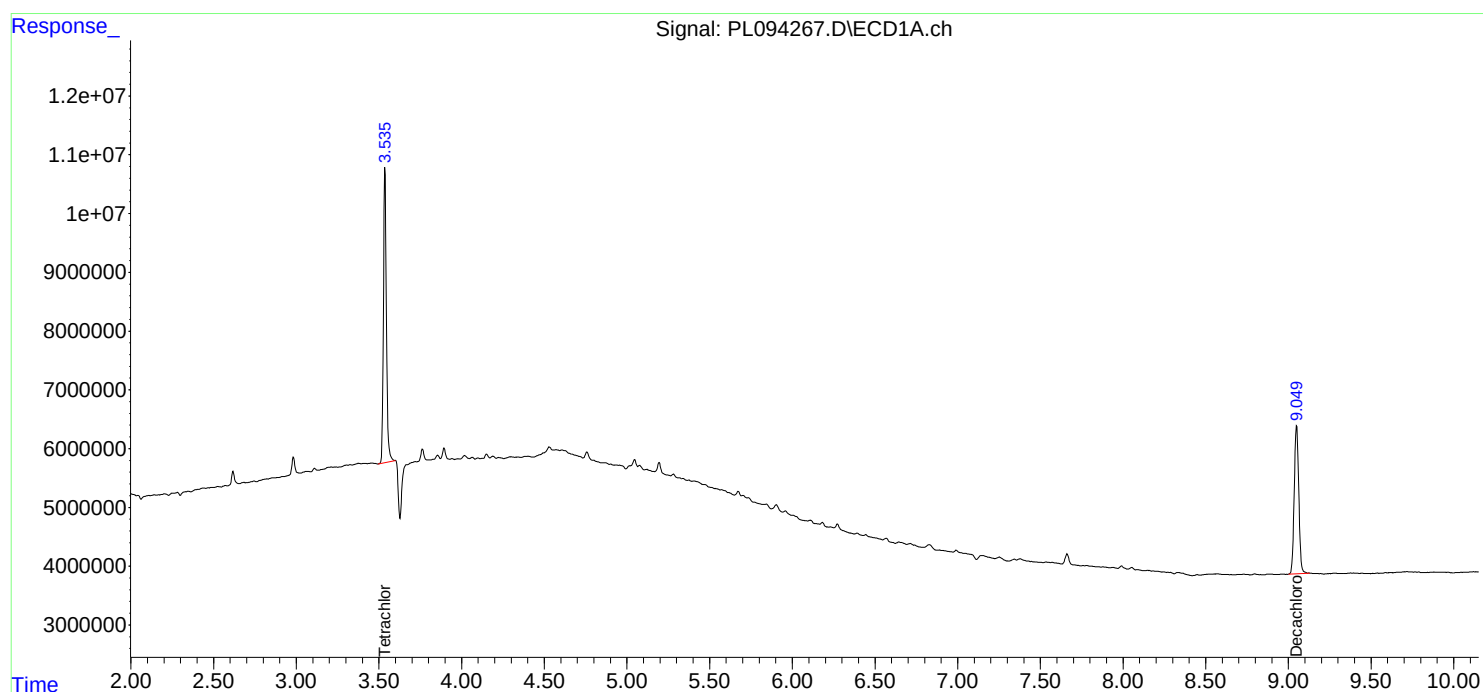
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725

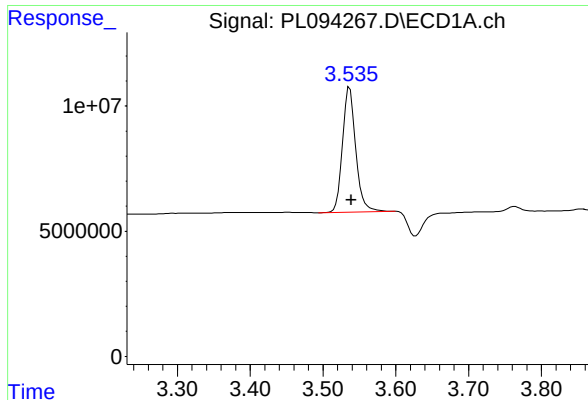
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





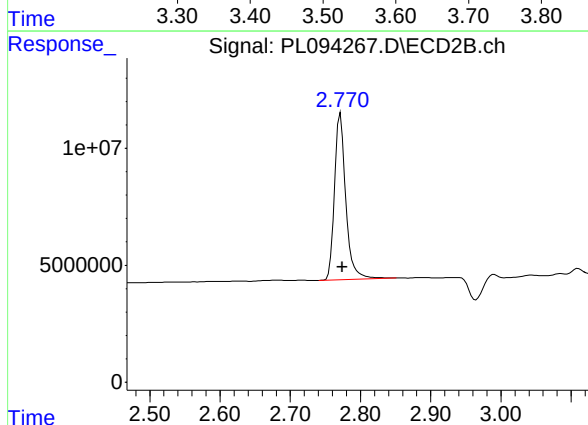
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 63083944
Conc: 23.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725

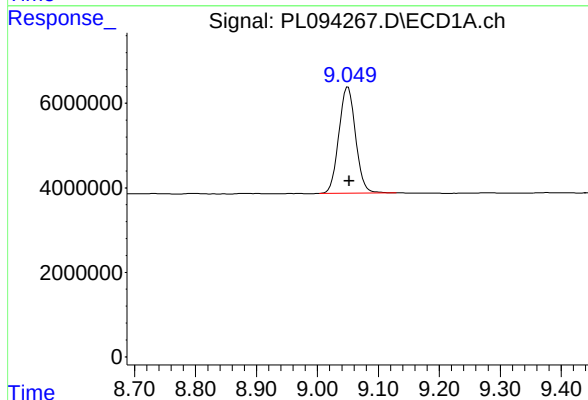
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



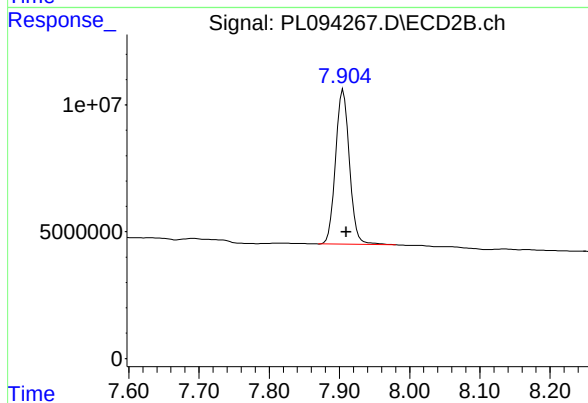
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 79188508
Conc: 24.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48001240
Conc: 22.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 83692907
Conc: 23.88 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-03-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-05		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
PL094268.D	1	02/19/25 08:10	02/19/25 17:06	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		55 - 130		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		42 - 129		123%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-03-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-05	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
PL094268.D	1	02/19/25 08:10	02/19/25 17:06	PB166771

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\PL021925\
 Data File : PL094268.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:06
 Operator : AR\AJ
 Sample : Q1382-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-03-021725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.788	64402673	80042482	23.917m	24.522
28) SA Decachlor...	9.050	7.921	48688354	83816354	23.275	23.920

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:06
Operator : AR\AJ
Sample : Q1382-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

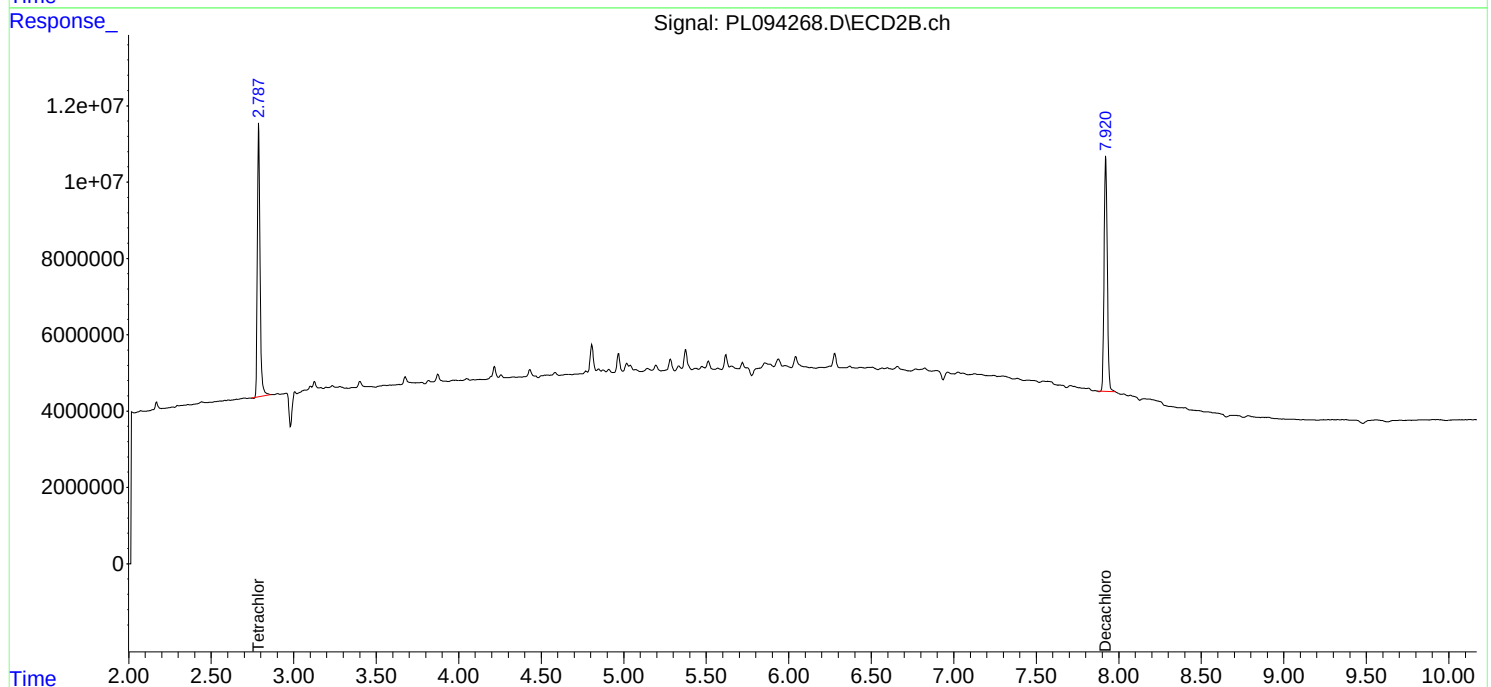
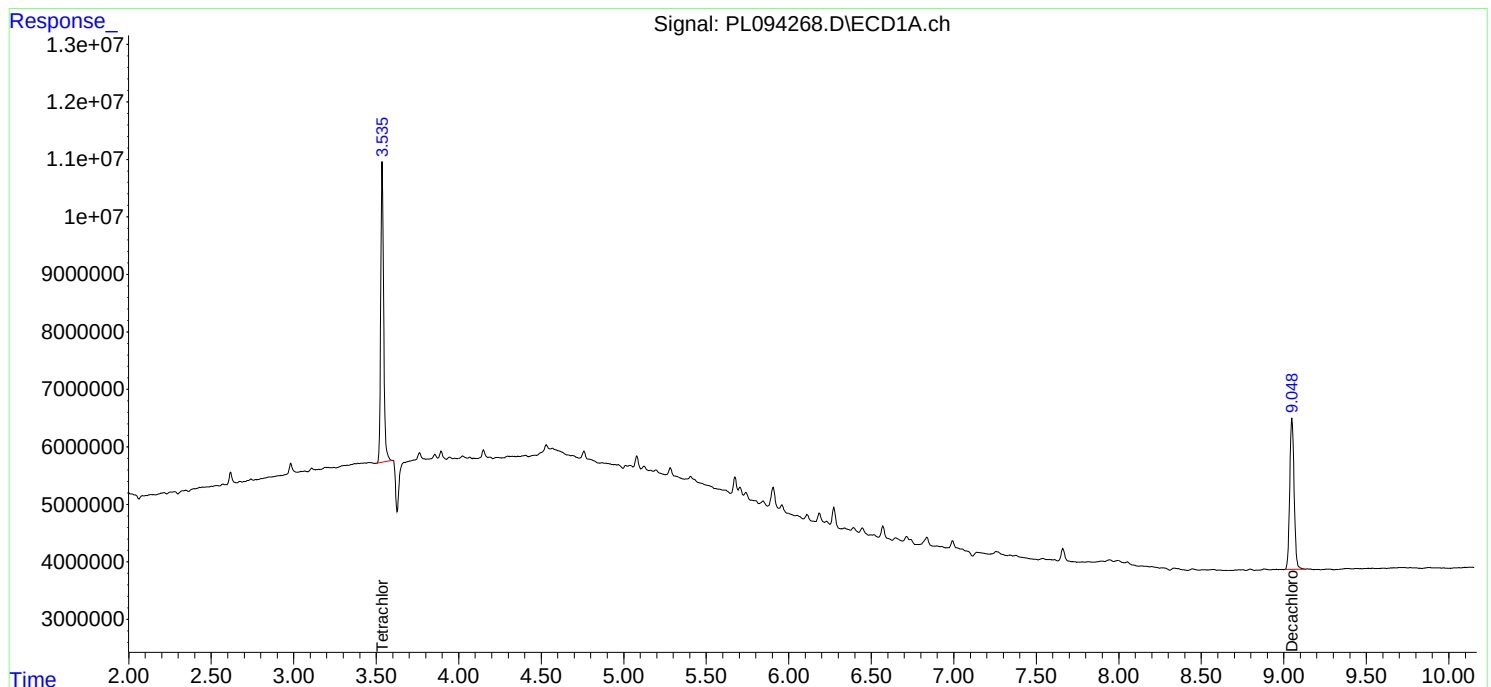
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725

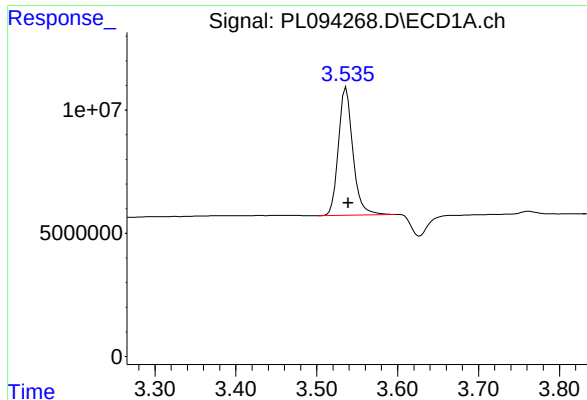
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





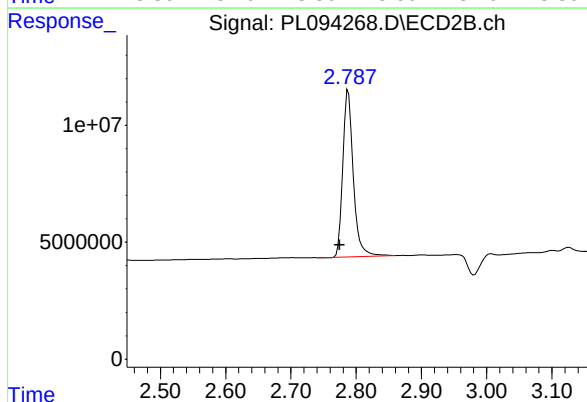
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 64402673
Conc: 23.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725

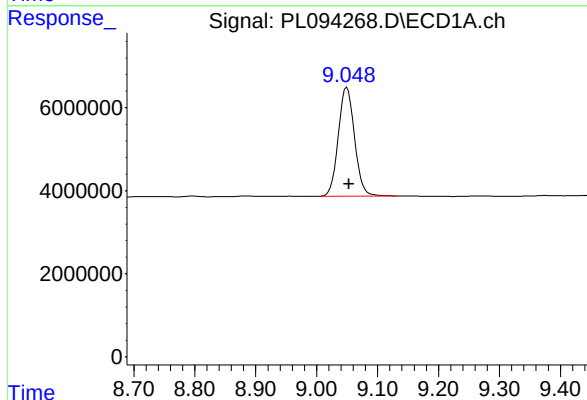
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



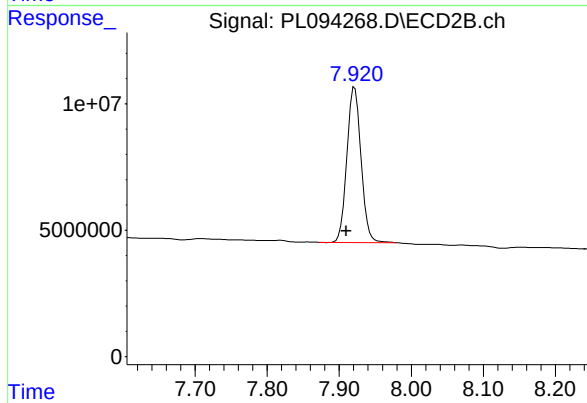
#1 Tetrachloro-m-xylene

R.T.: 2.788 min
Delta R.T.: 0.014 min
Response: 80042482
Conc: 24.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48688354
Conc: 23.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.012 min
Response: 83816354
Conc: 23.92 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-04-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094269.D	1	02/19/25 08:10	02/19/25 17:19	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.2		55 - 130		121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.9		42 - 129		125%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-04-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094269.D	1	02/19/25 08:10	02/19/25 17:19	PB166771

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\PL021925\
 Data File : PL094269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:19
 Operator : AR\AJ
 Sample : Q1382-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-04-021725

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.771	64662380	81288968	24.013m	24.904
28) SA Decachlor...	9.049	7.905	48133587	84711180	23.009	24.175

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:19
Operator : AR\AJ
Sample : Q1382-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

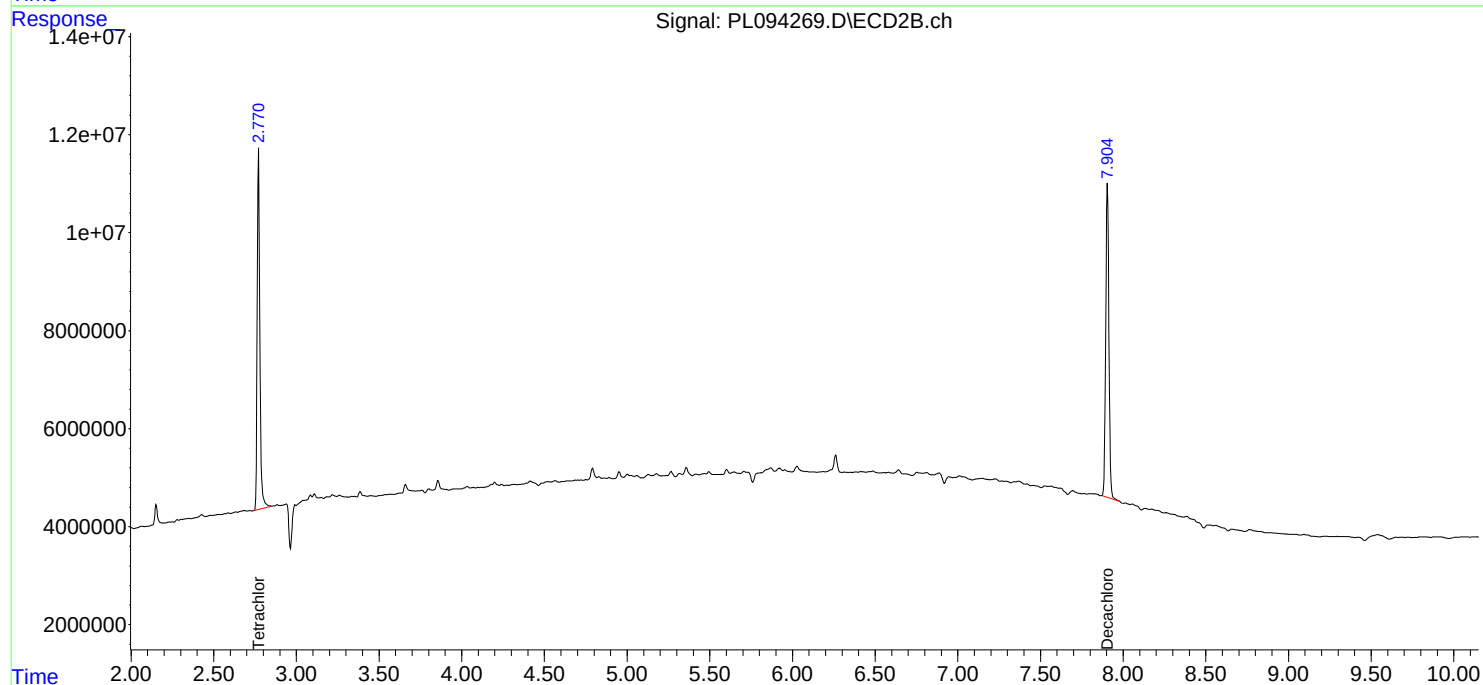
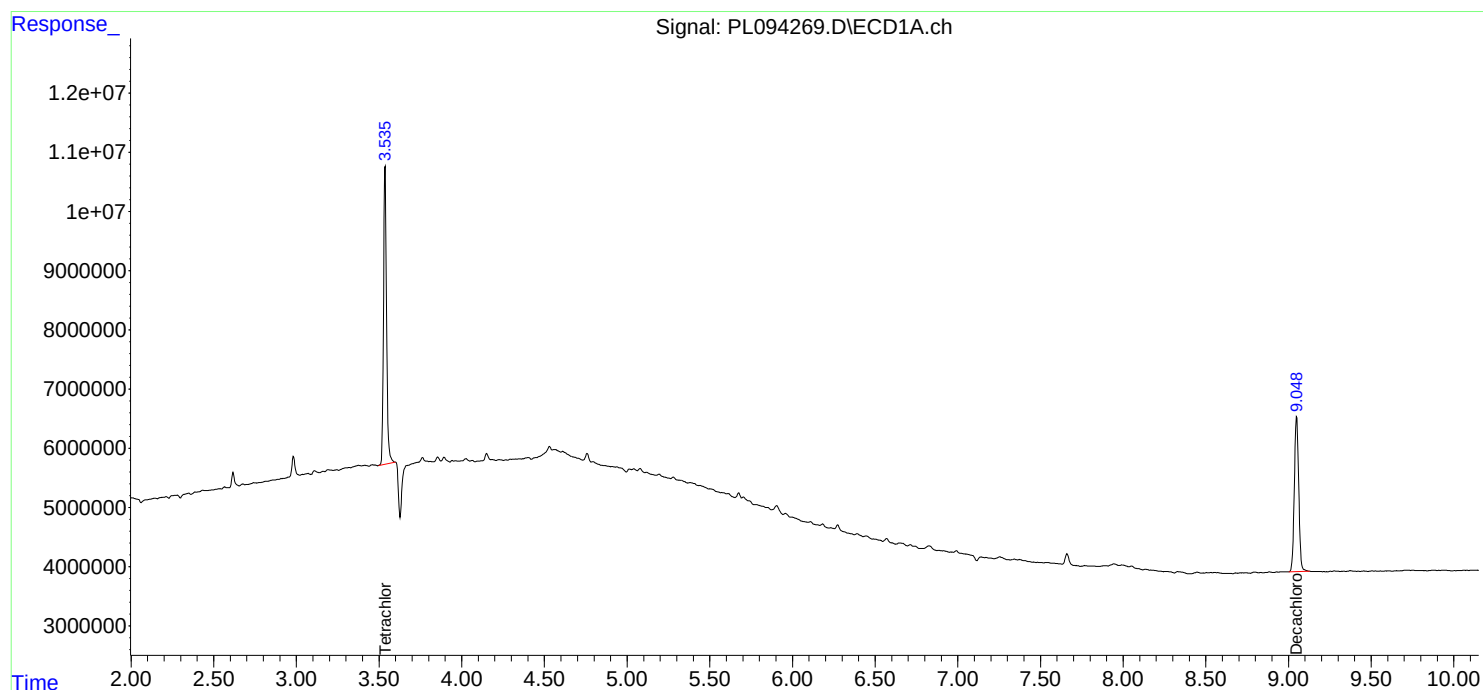
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725

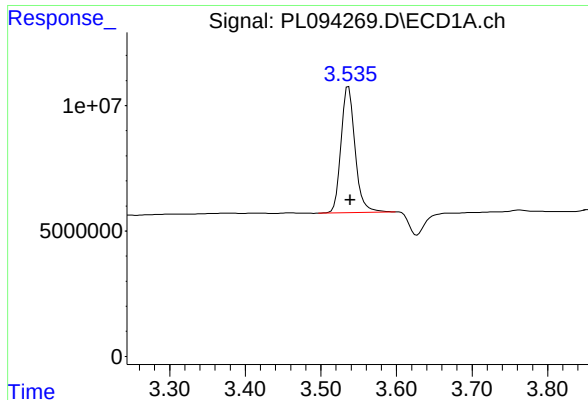
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





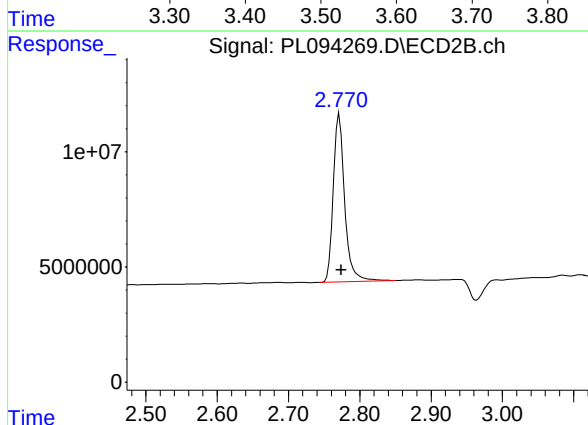
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 64662380
Conc: 24.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725

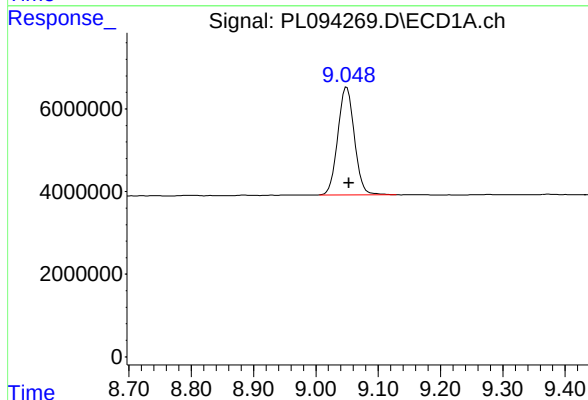
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



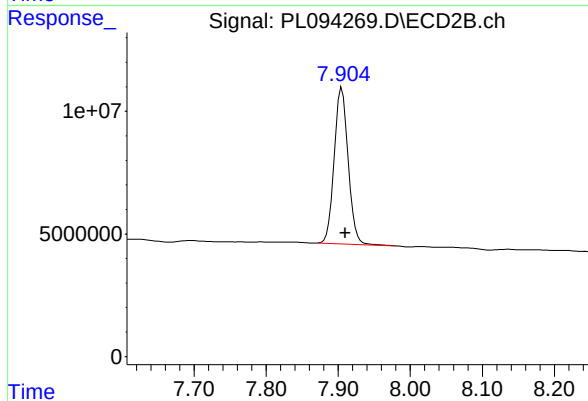
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 81288968
Conc: 24.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 48133587
Conc: 23.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 84711180
Conc: 24.18 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-05-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094274.D	1	02/19/25 08:10	02/19/25 18:27	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	26.3	*	55 - 130		132%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		42 - 129		127%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-05-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92	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
PL094274.D	1	02/19/25 08:10	02/19/25 18:27	PB166771

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\PL021925\
 Data File : PL094274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:27
 Operator : AR\AJ
 Sample : Q1382-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-05-021725

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:15:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	65794071	82901252	24.434m	25.397
28) SA Decachlor...	9.050	7.906	52983316	92232854	25.328	26.322

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:27
Operator : AR\AJ
Sample : Q1382-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

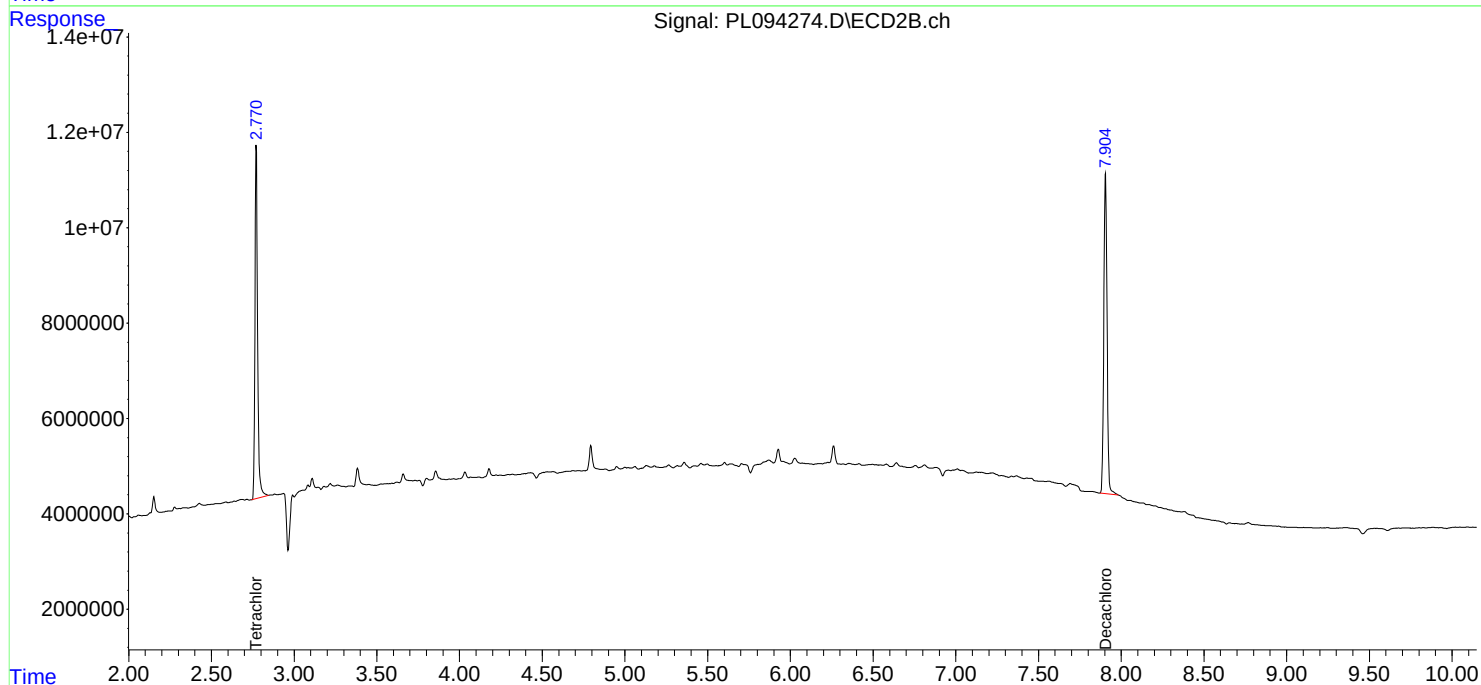
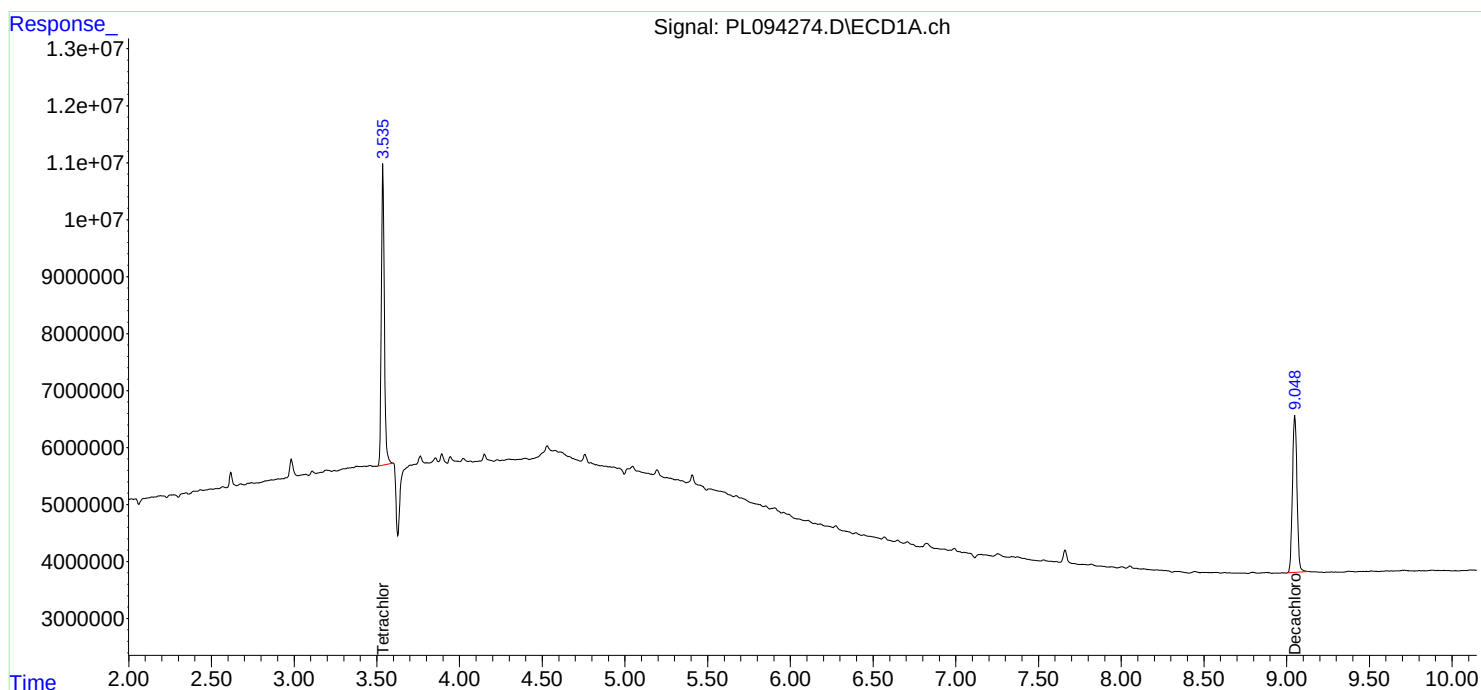
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725

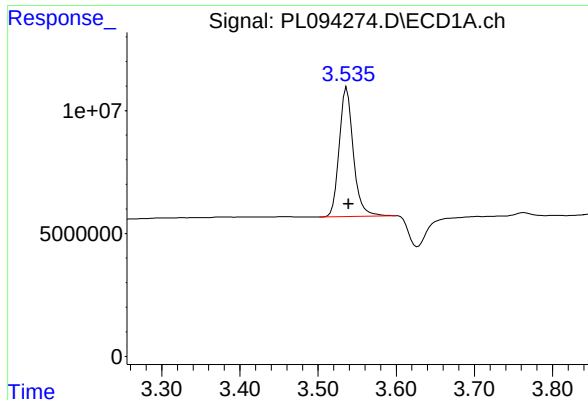
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:15:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





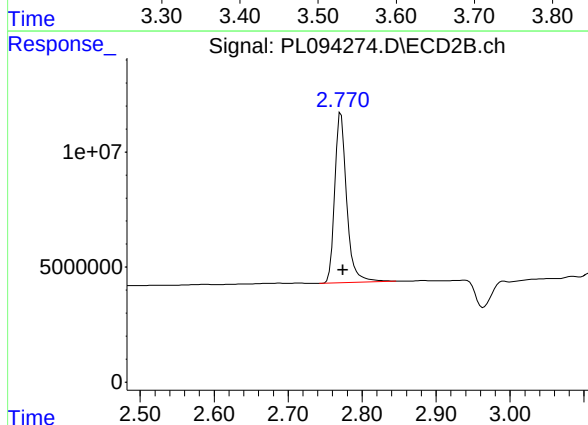
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 65794071
Conc: 24.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725

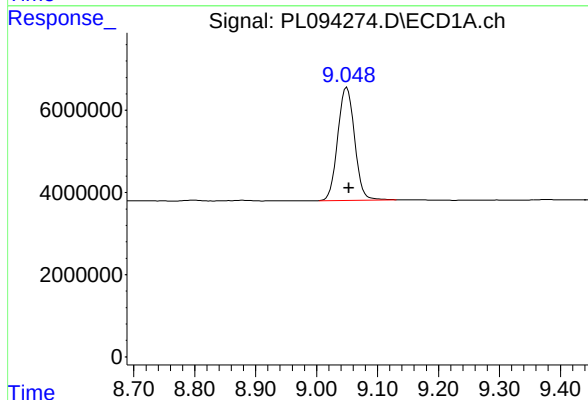
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



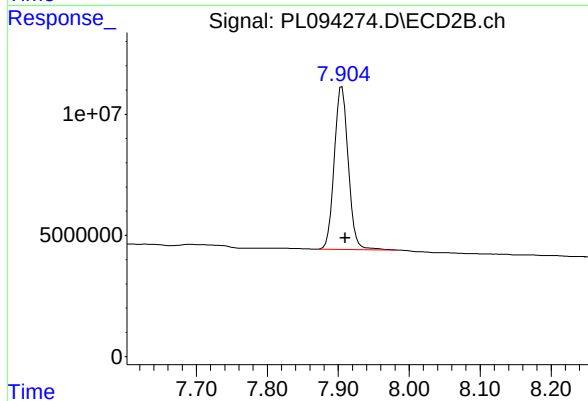
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82901252
Conc: 25.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 52983316
Conc: 25.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 92232854
Conc: 26.32 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-06-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 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
PL094275.D	1	02/19/25 08:10	02/19/25 18:41	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.4		55 - 130		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		42 - 129		124%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-06-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-11		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.2	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
PL094275.D	1	02/19/25 08:10	02/19/25 18:41	PB166771

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\PL021925\
 Data File : PL094275.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:41
 Operator : AR\AJ
 Sample : Q1382-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-06-021725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/24/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 15:43:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	65610477	80686827	24.366m	24.719
28) SA Decachlor...	9.050	7.905	48897438	85457980	23.374	24.388

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:41
Operator : AR\AJ
Sample : Q1382-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

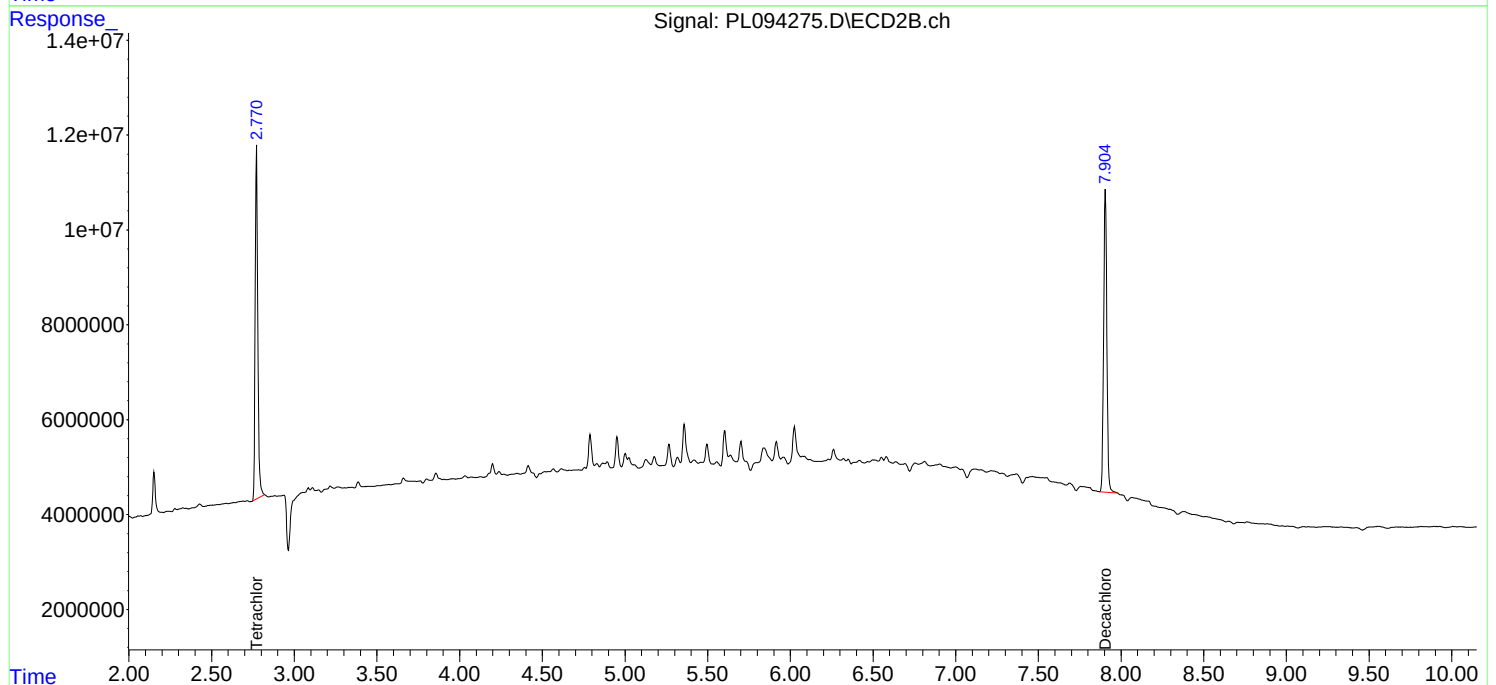
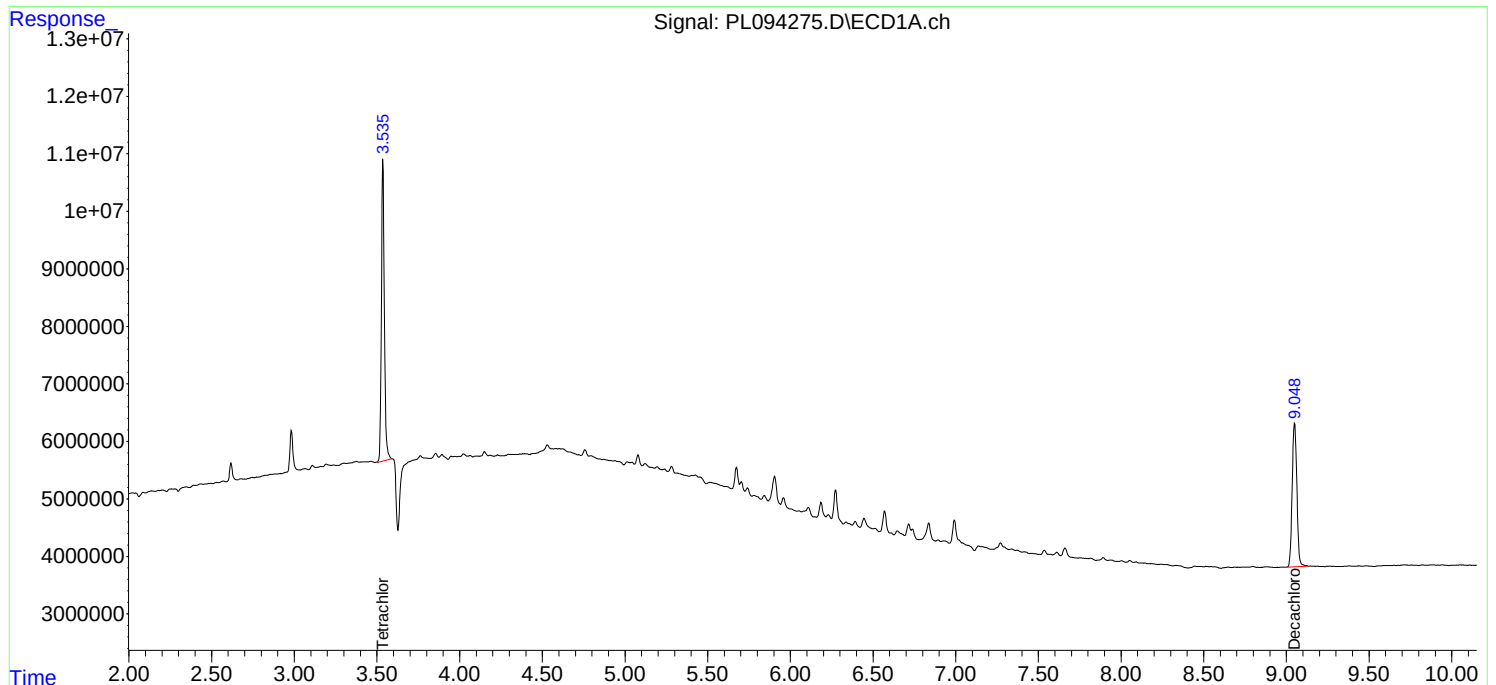
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725

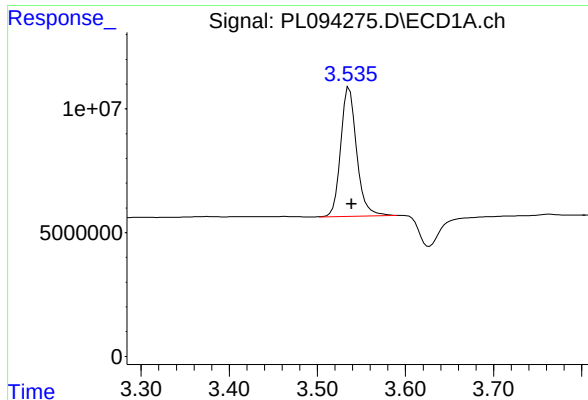
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/24/2025
Supervised By : Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 15:43:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





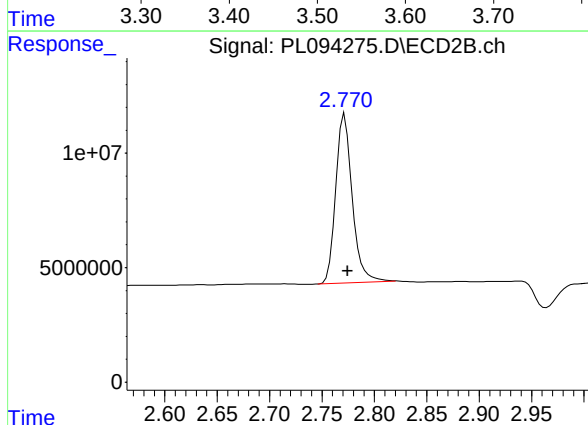
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 65610477
Conc: 24.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725

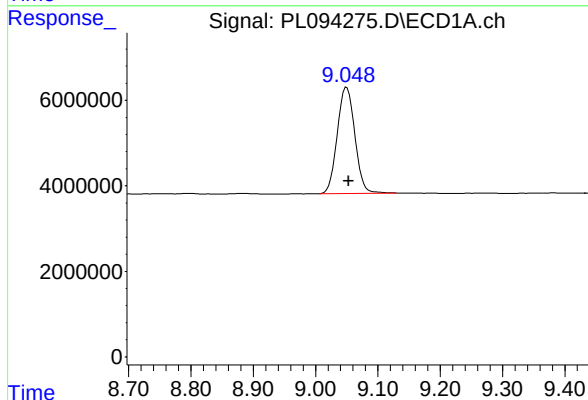
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/24/2025
Supervised By :Ankita Jodhani 02/24/2025



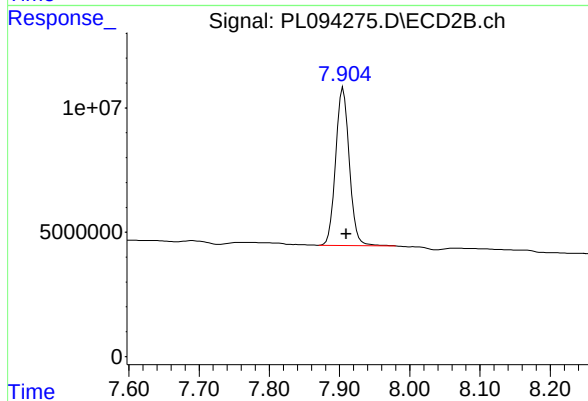
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 80686827
Conc: 24.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48897438
Conc: 23.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 85457980
Conc: 24.39 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-07-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 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
PL094276.D	1	02/19/25 08:10	02/19/25 18:54	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.9		55 - 130		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		42 - 129		126%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-07-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.2	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
PL094276.D	1	02/19/25 08:10	02/19/25 18:54	PB166771

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\PL021925\
 Data File : PL094276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:54
 Operator : AR\AJ
 Sample : Q1382-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-07-021725

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:15:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	65239823	82032870	24.228m	25.131
28) SA Decachlor...	9.049	7.905	50476519	87252732	24.129	24.900

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:54
Operator : AR\AJ
Sample : Q1382-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

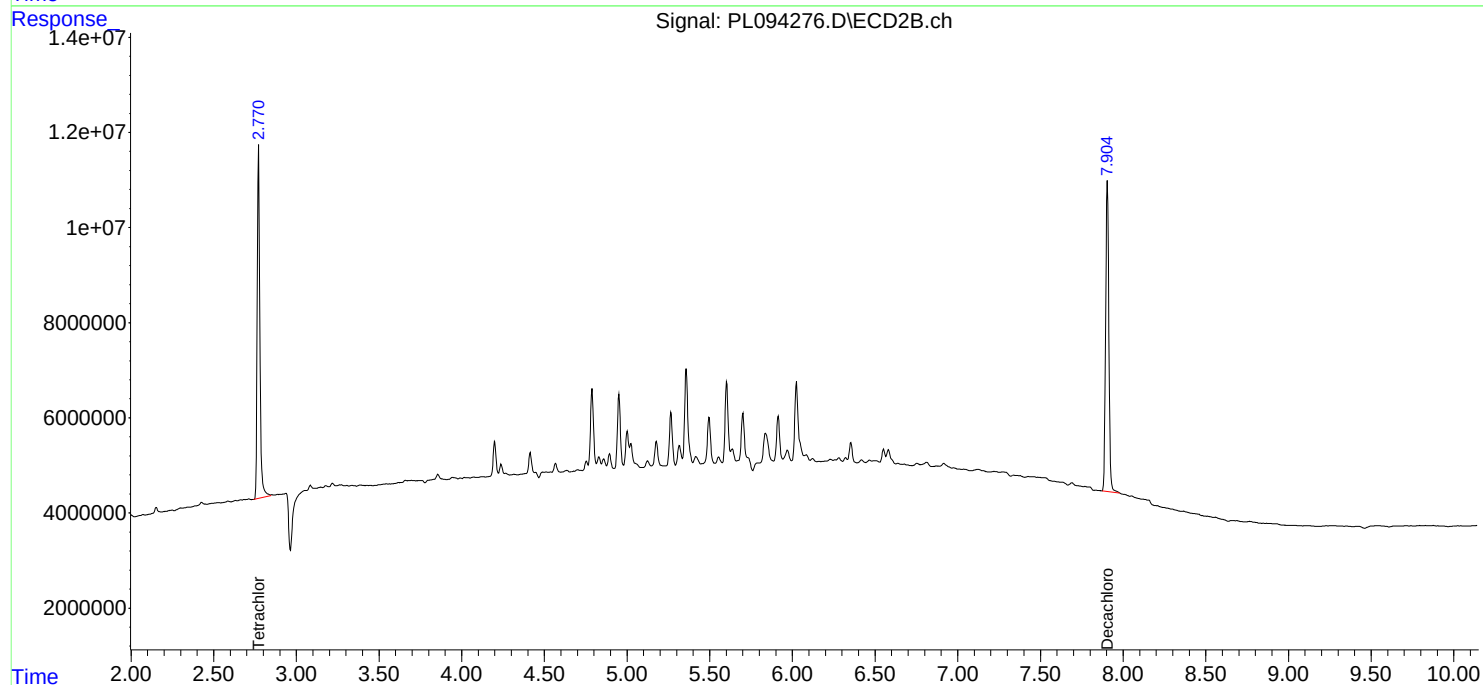
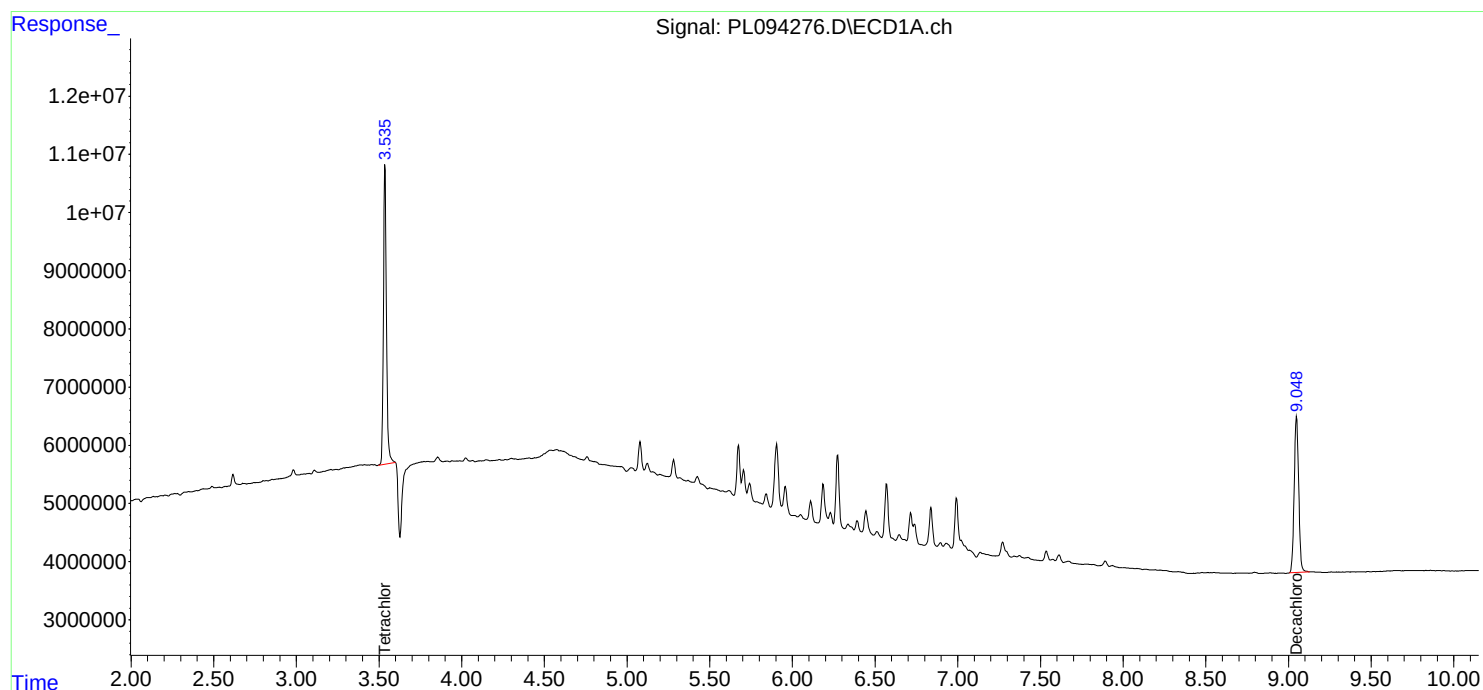
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725

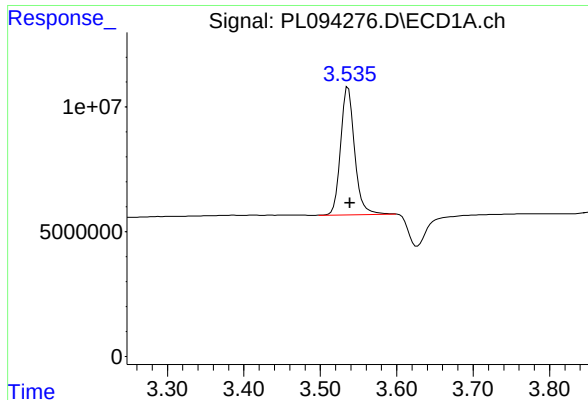
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





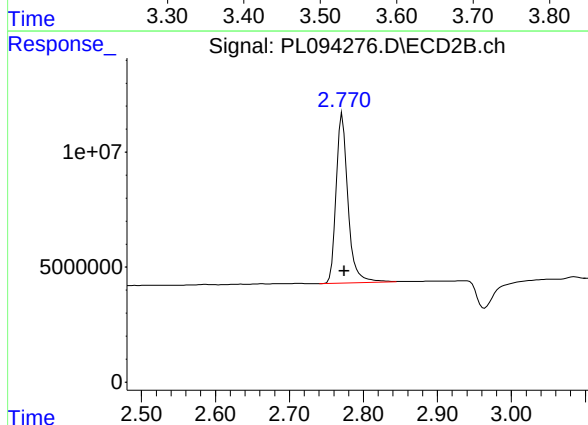
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 65239823
Conc: 24.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725

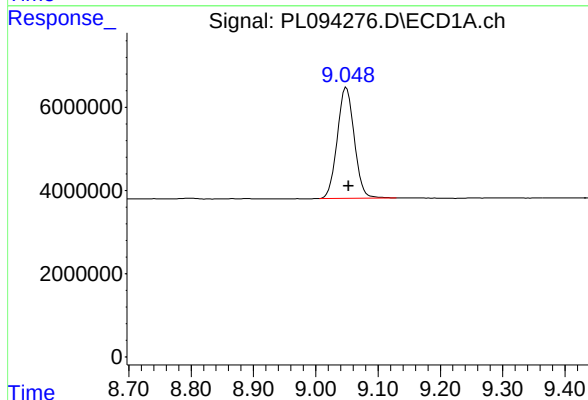
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



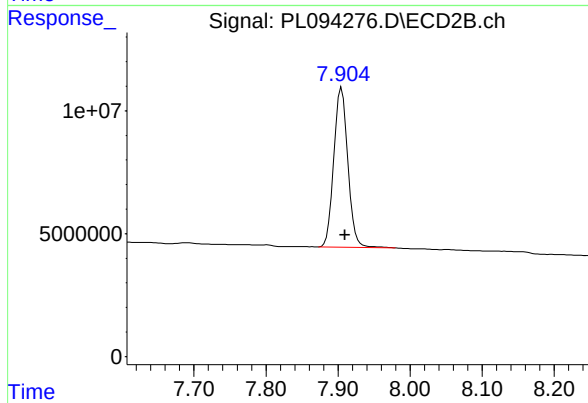
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82032870
Conc: 25.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 50476519
Conc: 24.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 87252732
Conc: 24.90 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094277.D	1	02/19/25 08:10	02/19/25 19:08	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		55 - 130		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		42 - 129		117%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-08-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094277.D	1	02/19/25 08:10	02/19/25 19:08	PB166771

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\PL021925\
 Data File : PL094277.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:08
 Operator : AR\AJ
 Sample : Q1382-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-08-021725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	60875994	76118275	22.607m	23.319
28) SA Decachlor...	9.050	7.905	42420731	72913446	20.278	20.808

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094277.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 19:08
Operator : AR\AJ
Sample : Q1382-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

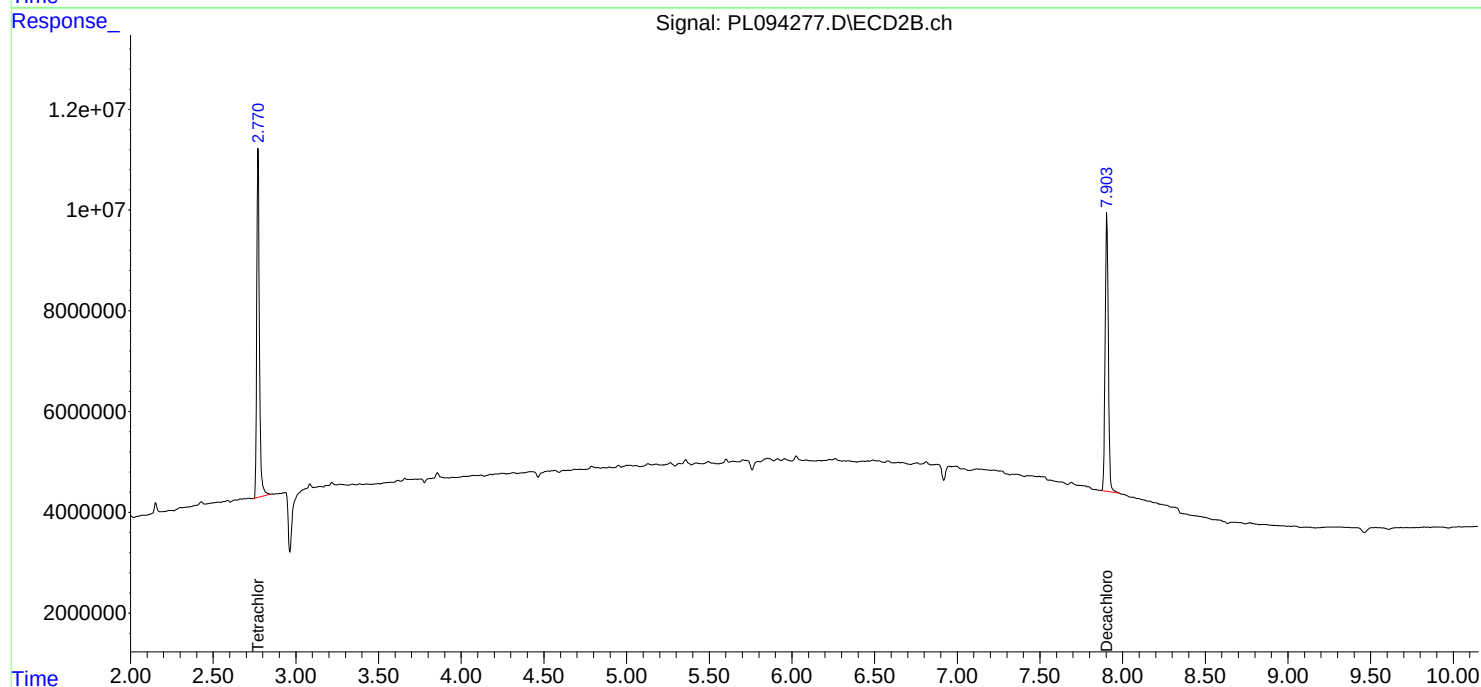
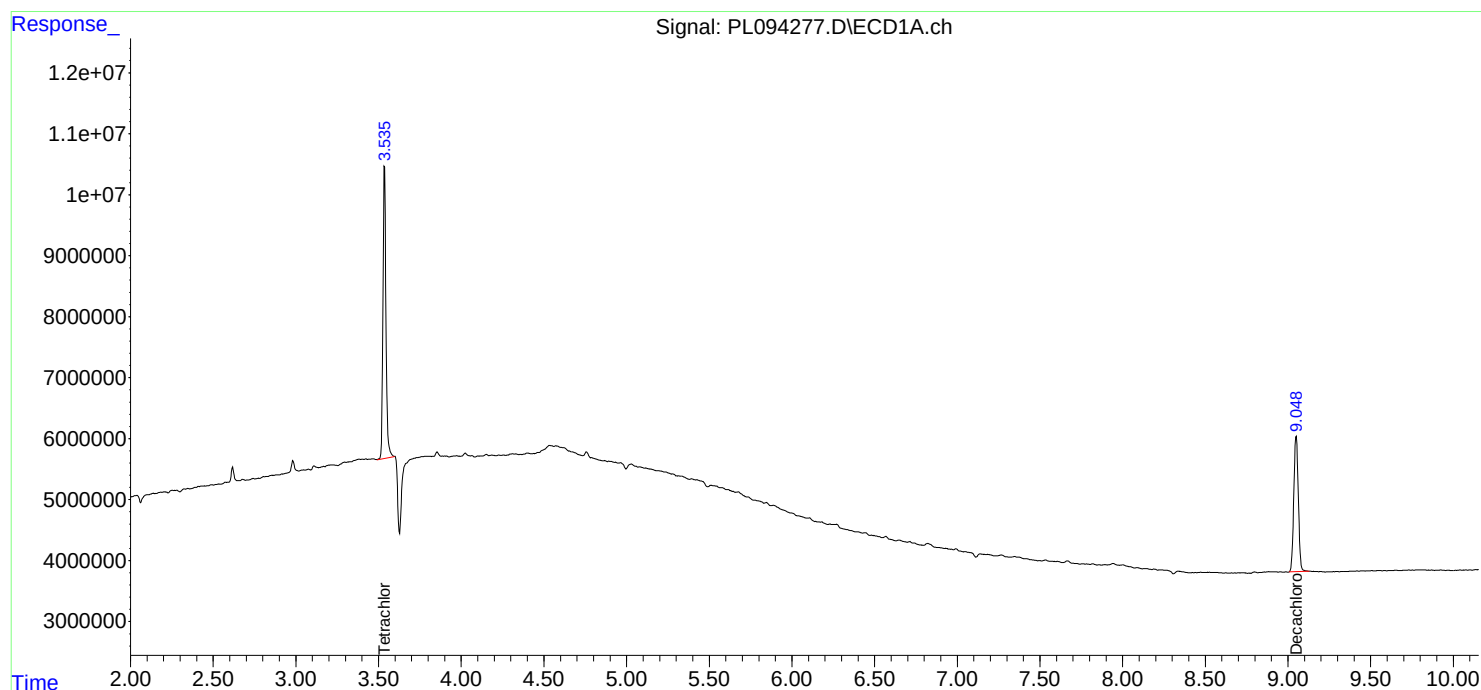
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725

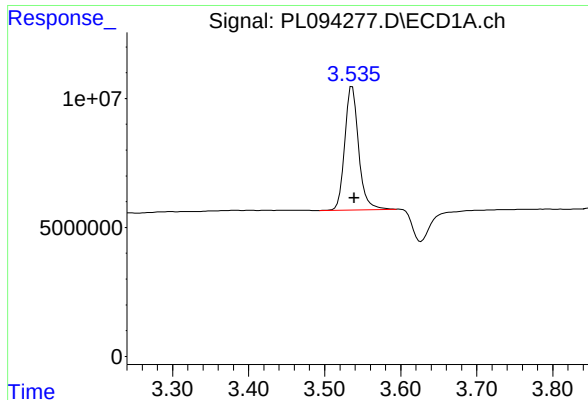
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





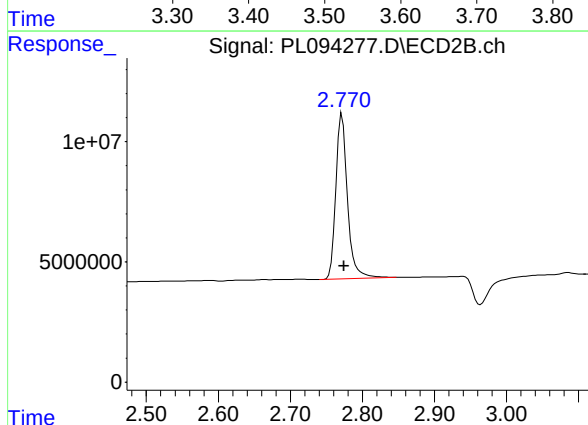
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 60875994
Conc: 22.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725

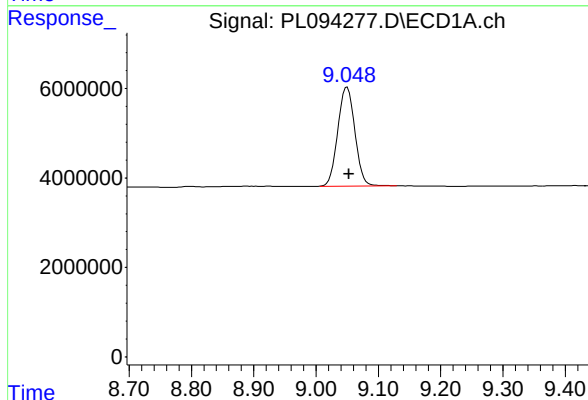
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



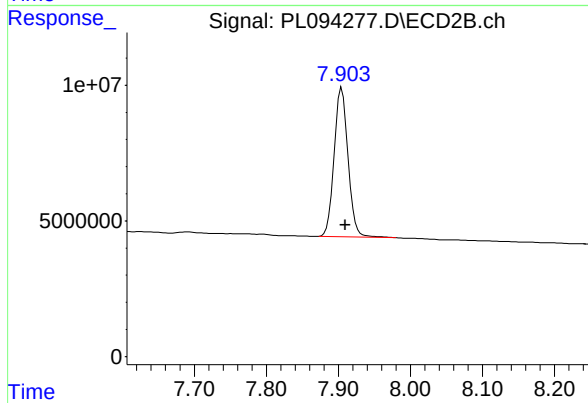
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76118275
Conc: 23.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 42420731
Conc: 20.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 72913446
Conc: 20.81 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-09-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6
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
PL094278.D	1	02/19/25 08:10	02/19/25 19:21	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		55 - 130		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		42 - 129		111%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-09-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-17		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.6	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
PL094278.D	1	02/19/25 08:10	02/19/25 19:21	PB166771

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\PL021925\
 Data File : PL094278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:21
 Operator : AR\AJ
 Sample : Q1382-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-09-021725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	58494307	72399450	21.723m	22.180
28) SA Decachlor...	9.049	7.905	43379886	76901391	20.737	21.946

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 19:21
Operator : AR\AJ
Sample : Q1382-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

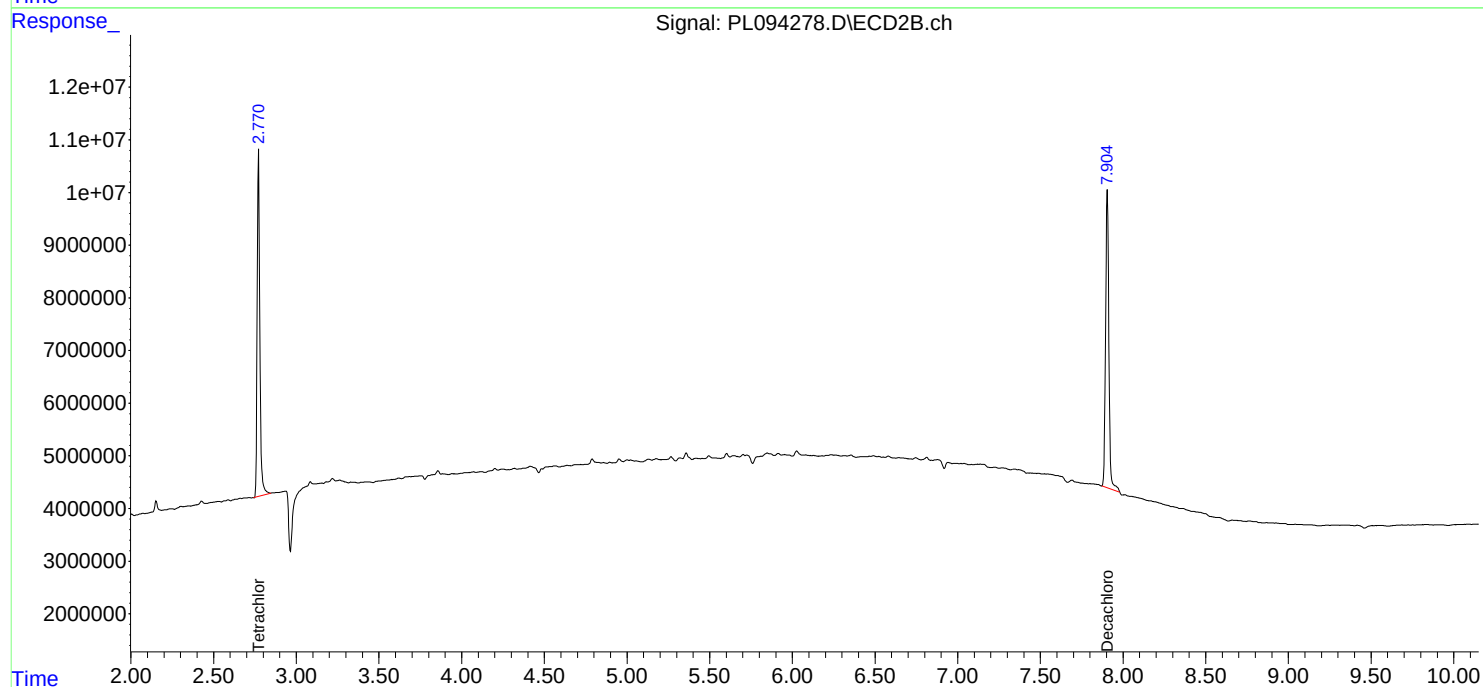
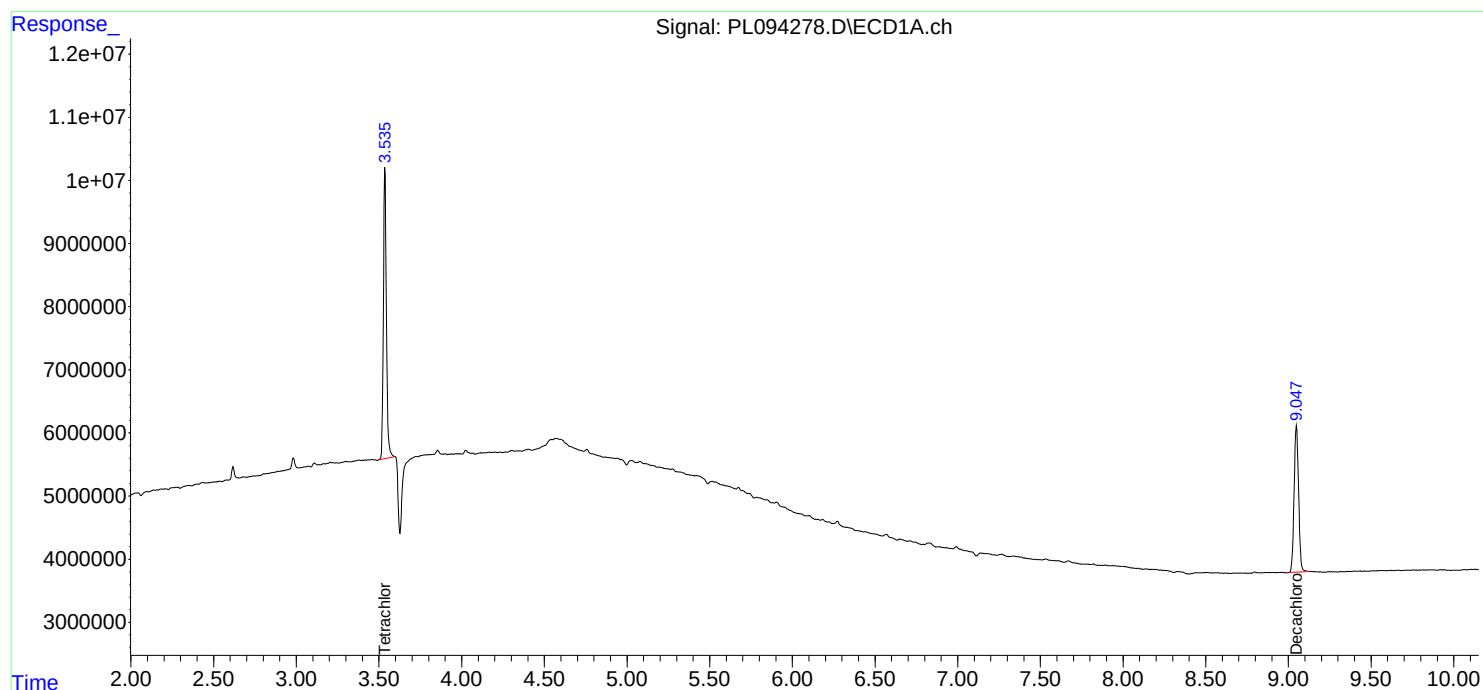
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725

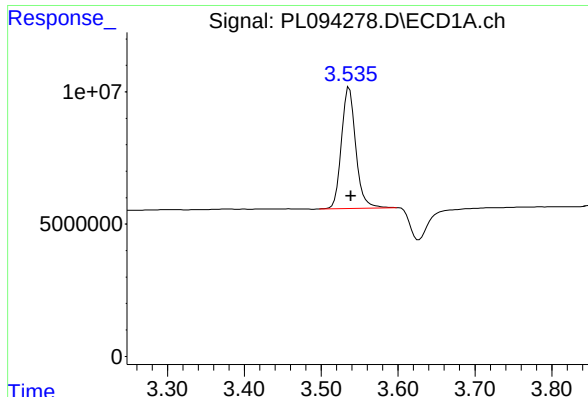
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:16:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





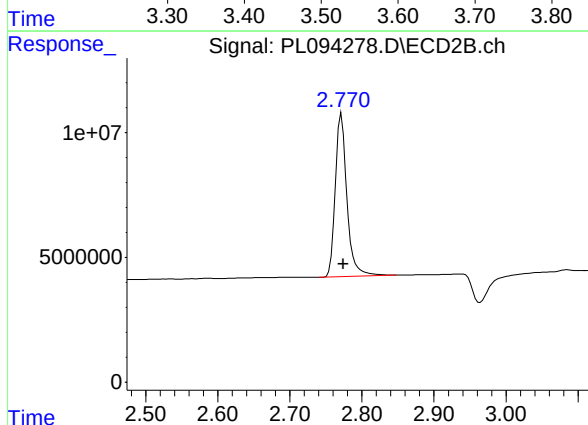
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 58494307
Conc: 21.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725

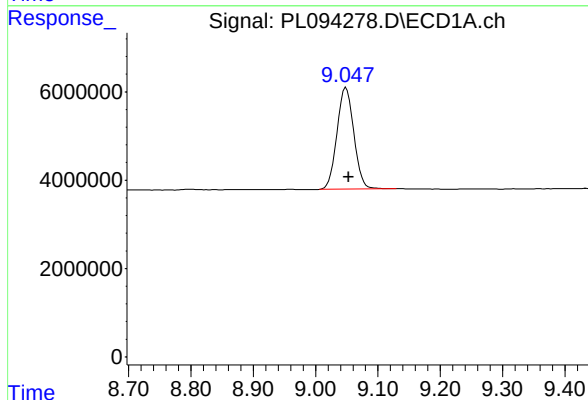
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



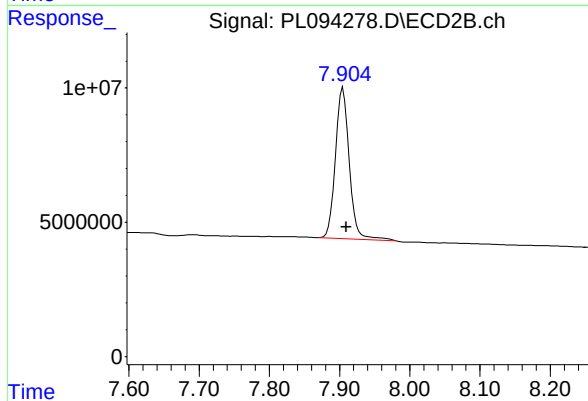
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 72399450
Conc: 22.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 43379886
Conc: 20.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 76901391
Conc: 21.95 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094279.D	1	02/19/25 08:10	02/19/25 19:35	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00089	U	0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.00089	U	0.00052	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00089	U	0.00050	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.00089	U	0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00089	U	0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.00089	U	0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00089	U	0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.00089	U	0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00089	U	0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00089	U	0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00089	U	0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00089	U	0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00089	U	0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.0		55 - 130		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		42 - 129		123%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-10-021725		SDG No.:	Q1382	
Lab Sample ID:	Q1382-19		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.4	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
PL094279.D	1	02/19/25 08:10	02/19/25 19:35	PB166771

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\PL021925\
 Data File : PL094279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:35
 Operator : AR\AJ
 Sample : Q1382-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-10-021725

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.772	64266465	80556391	23.866m	24.679
28) SA Decachlor...	9.050	7.905	50498119	87451354	24.140	24.957

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 19:35
Operator : AR\AJ
Sample : Q1382-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

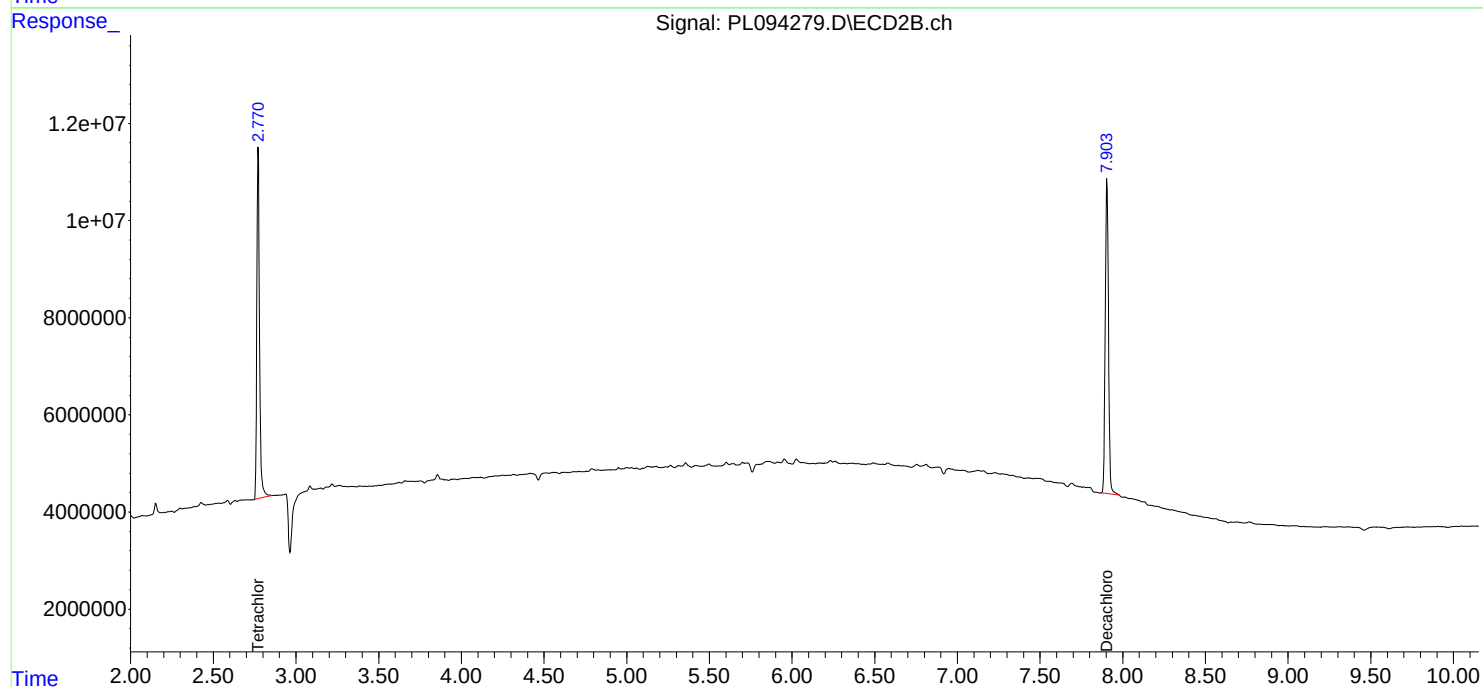
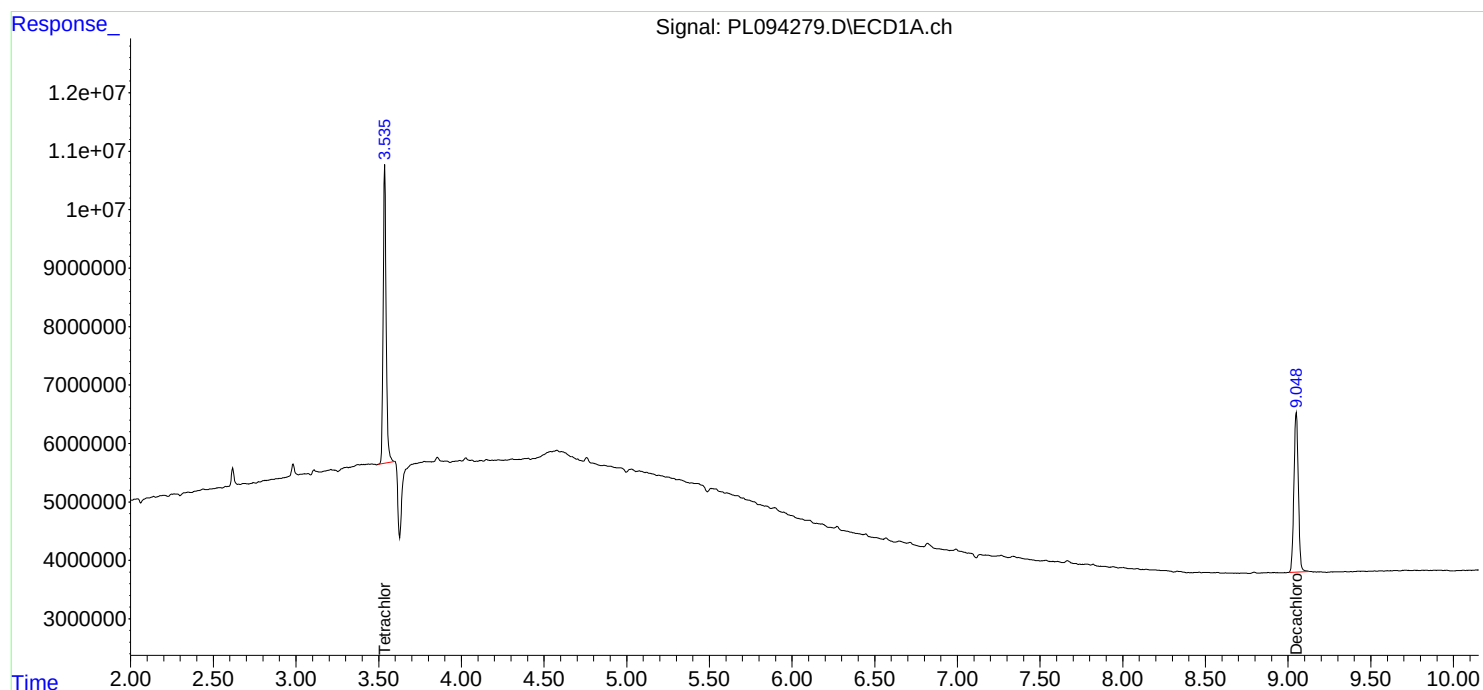
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725

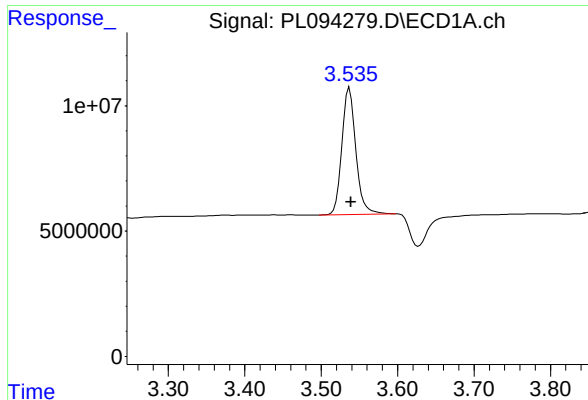
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:16:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





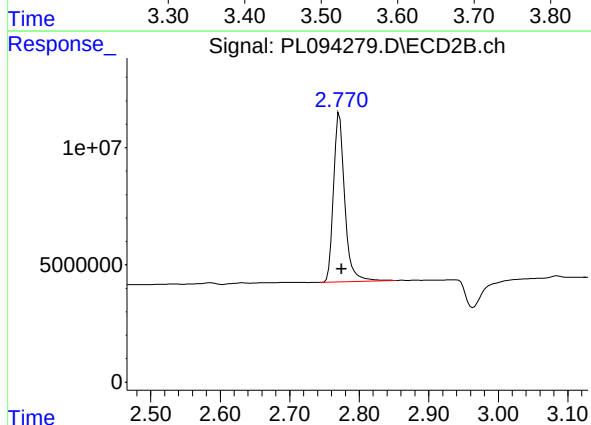
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 64266465
Conc: 23.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725

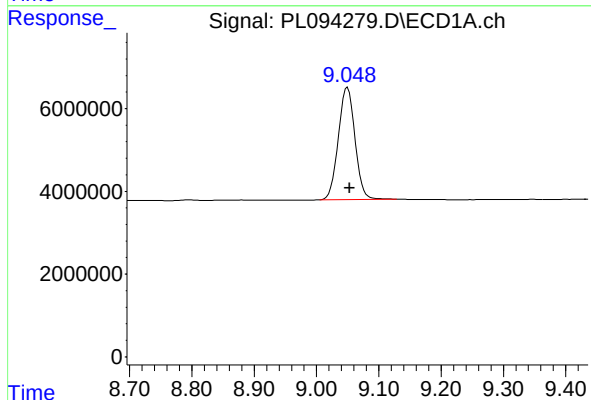
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



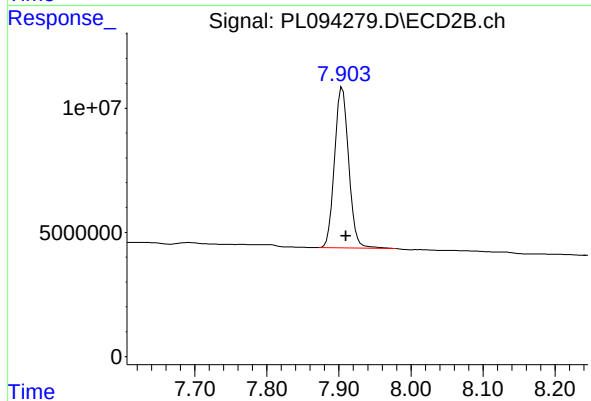
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 80556391
Conc: 24.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50498119
Conc: 24.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 87451354
Conc: 24.96 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382
Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1382 **SAS No.:** Q1382 **SDG NO.:** Q1382
Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	23446000
		2	6.44	6.34	6.54	14767200
		3	7.06	6.96	7.16	75896000
		4	7.15	7.05	7.25	57345100
		5	7.93	7.83	8.03	43067100



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.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	27057100
		2	5.33	5.23	5.43	23947200
		3	5.68	5.58	5.78	24726400
		4	6.60	6.50	6.70	84987200
		5	7.04	6.94	7.14	80238300

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

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

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

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

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

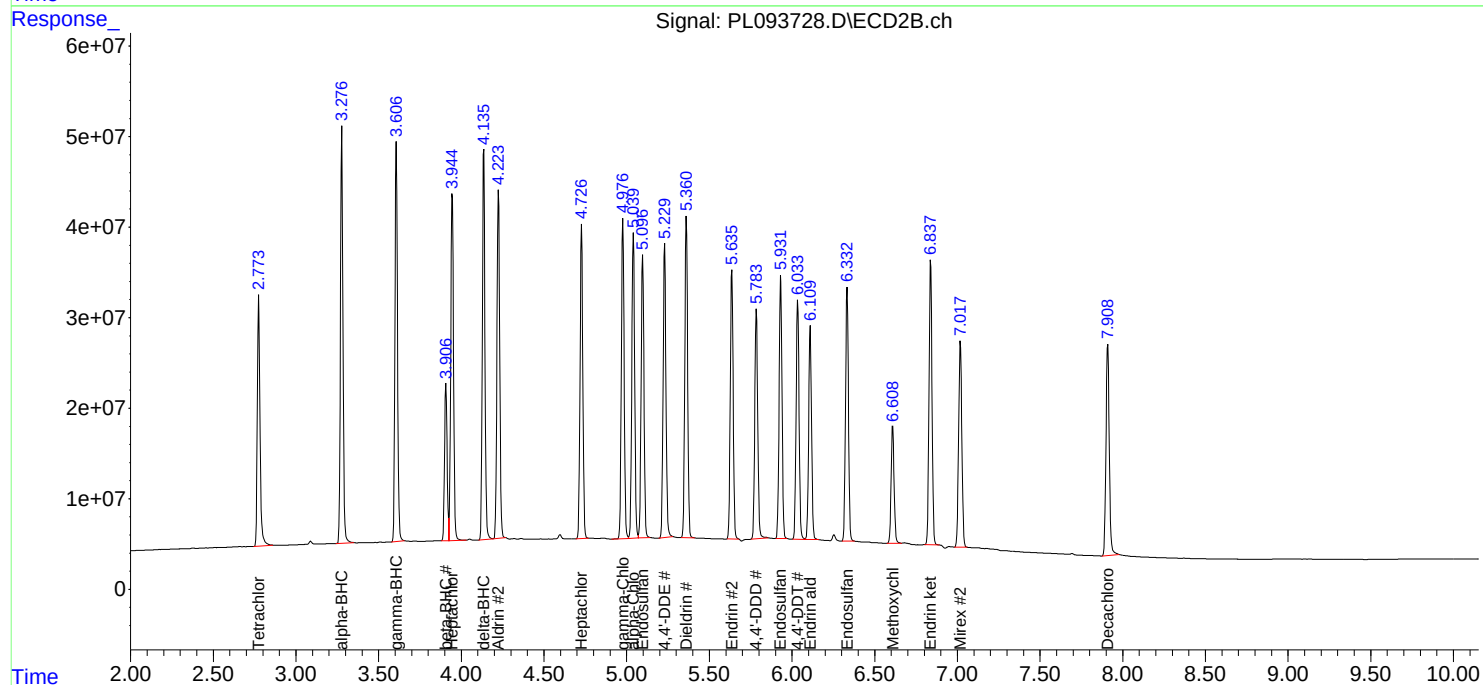
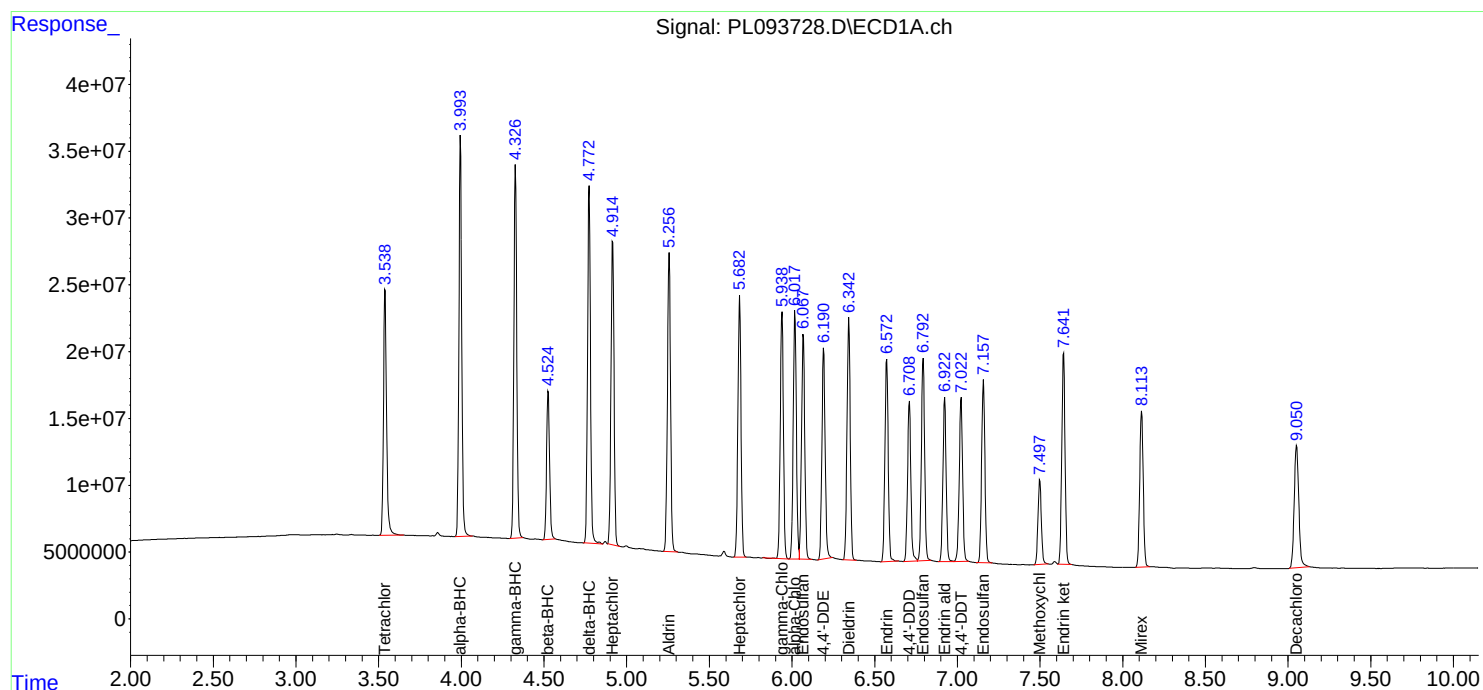
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

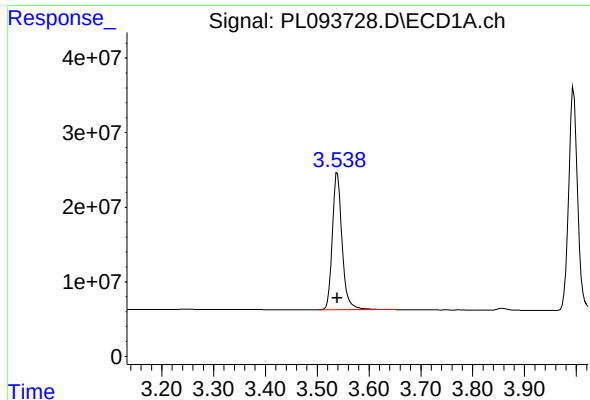
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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

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

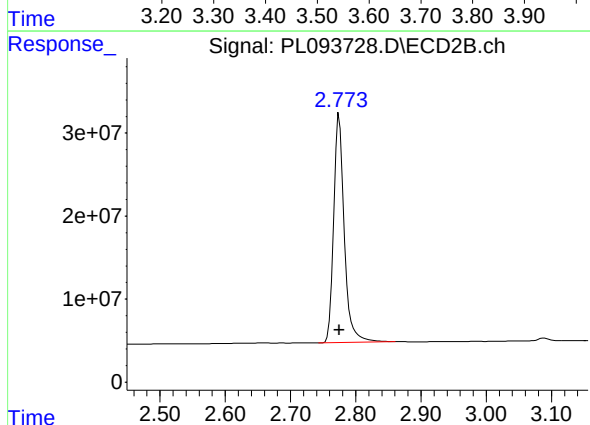




#1 Tetrachloro-m-xylene

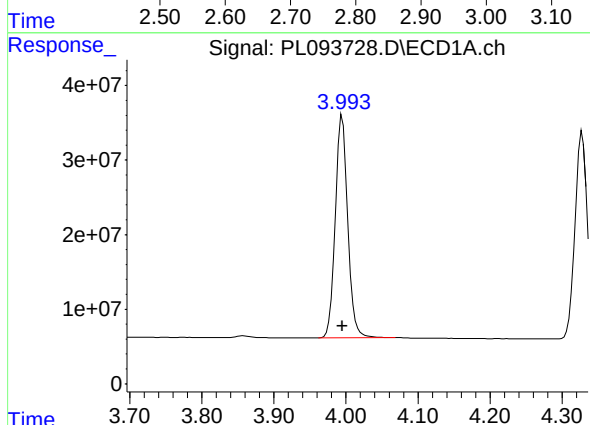
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



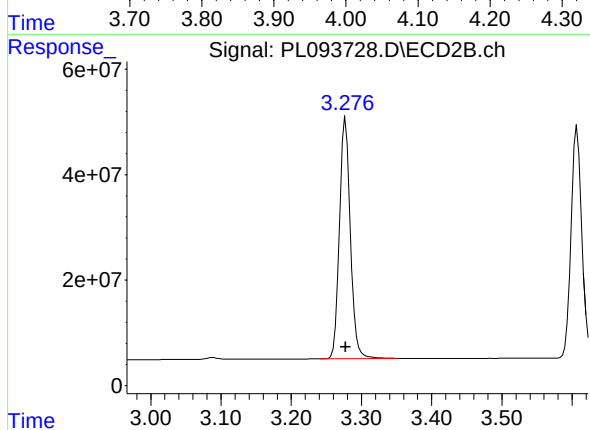
#1 Tetrachloro-m-xylene

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



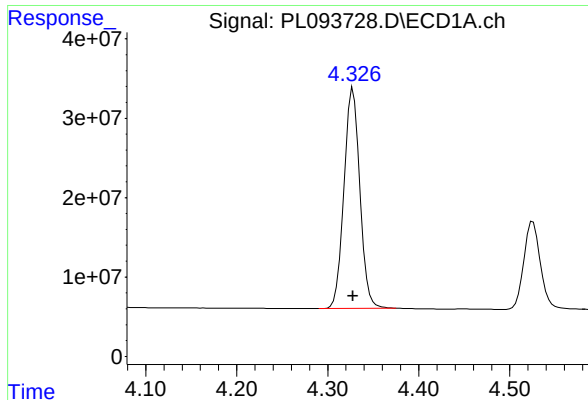
#2 alpha-BHC

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



#2 alpha-BHC

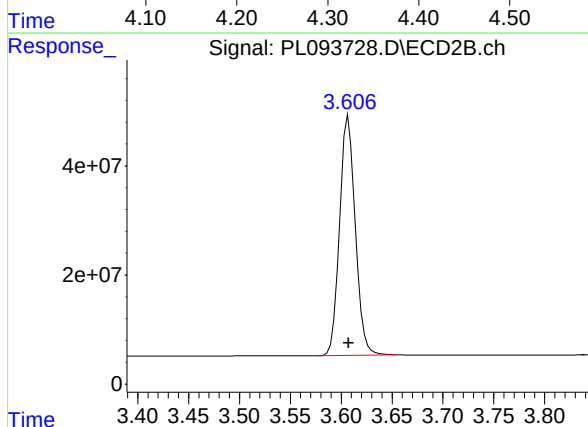
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

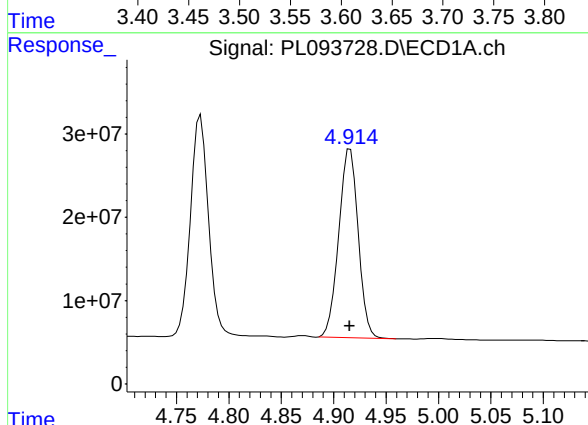
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



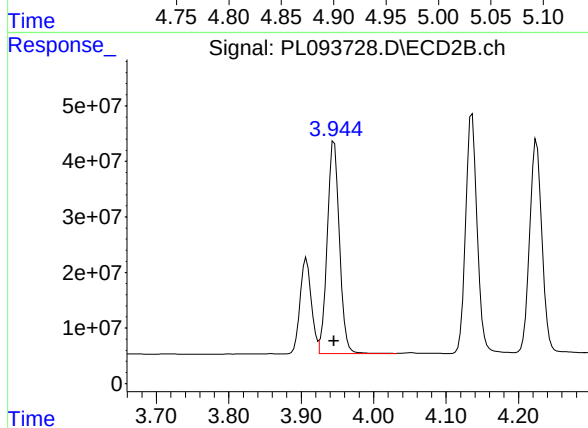
#3 gamma-BHC (Lindane)

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



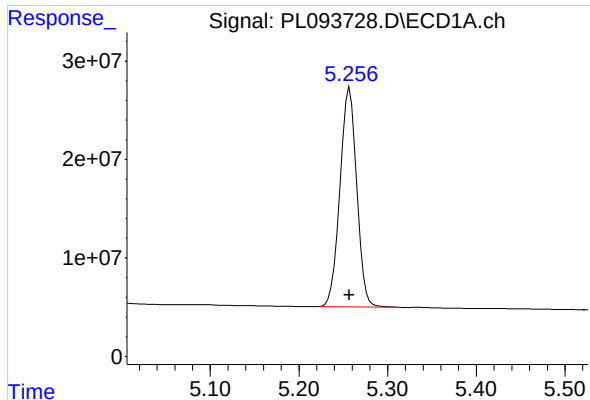
#4 Heptachlor

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



#4 Heptachlor

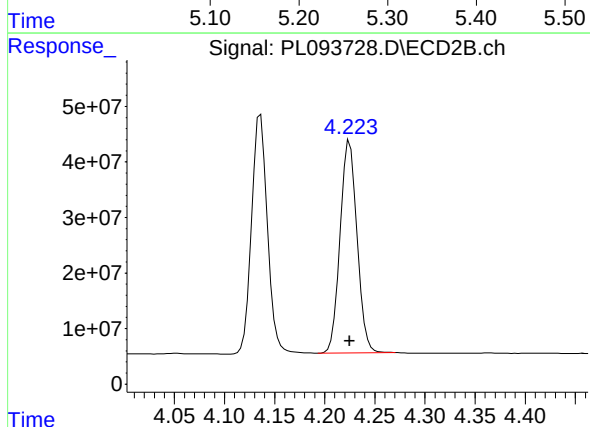
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

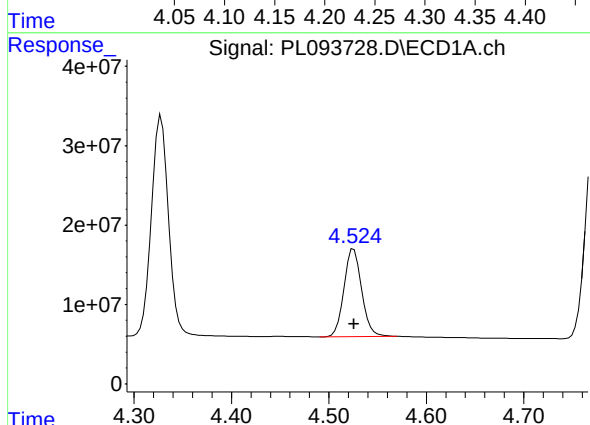
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



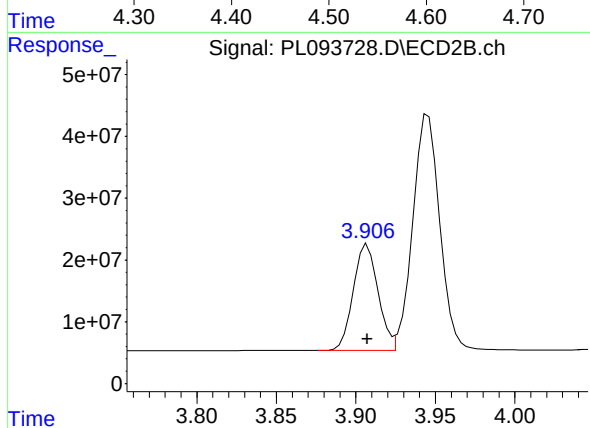
#5 Aldrin

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



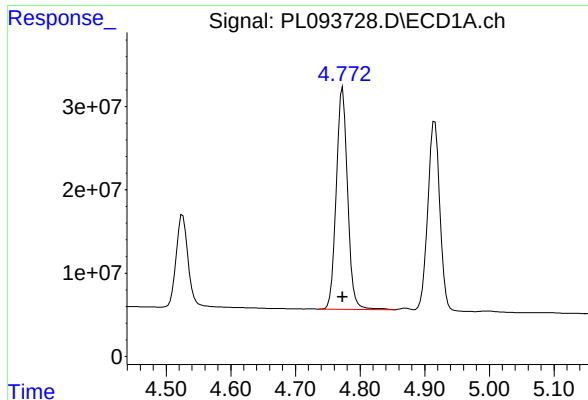
#6 beta-BHC

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



#6 beta-BHC

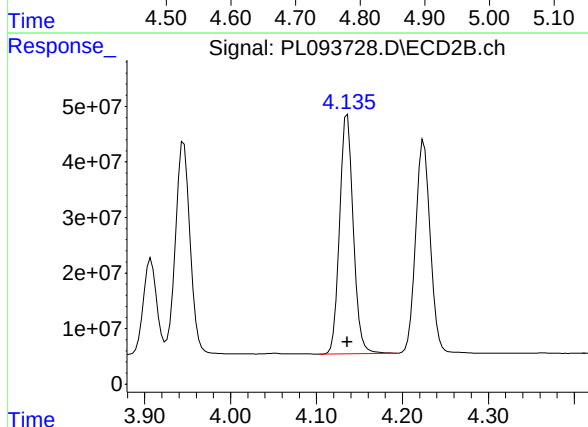
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

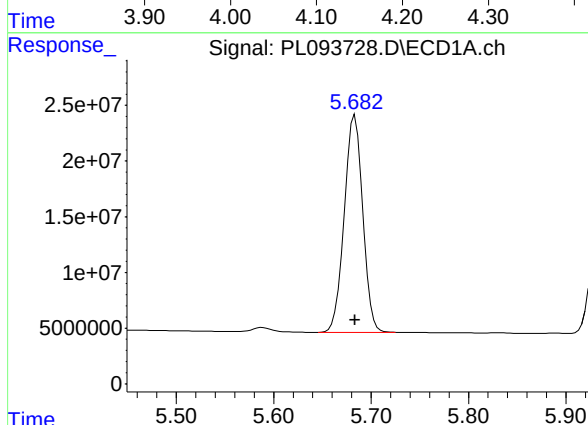
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



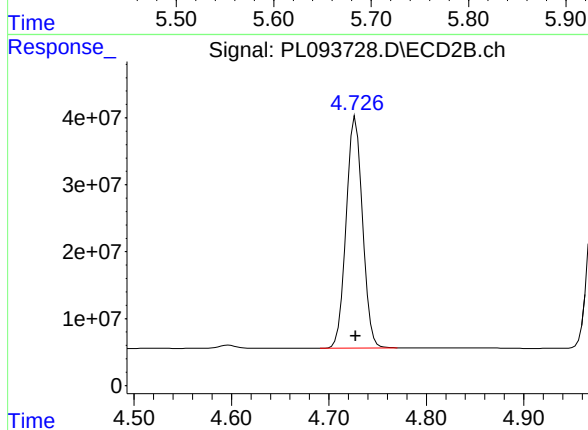
#7 delta-BHC

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



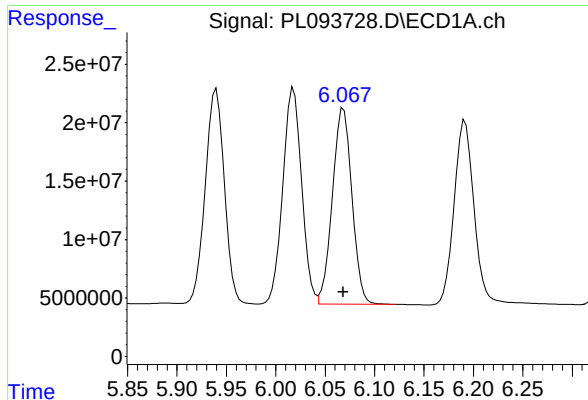
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

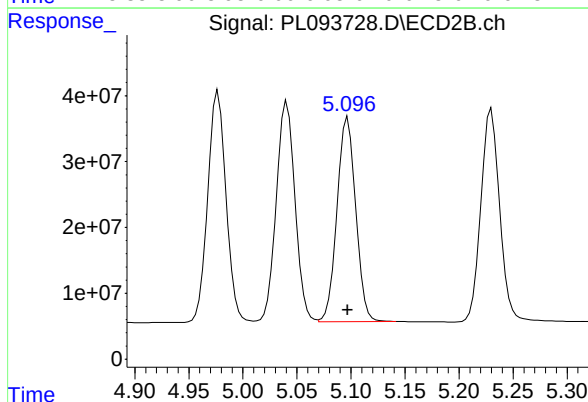
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

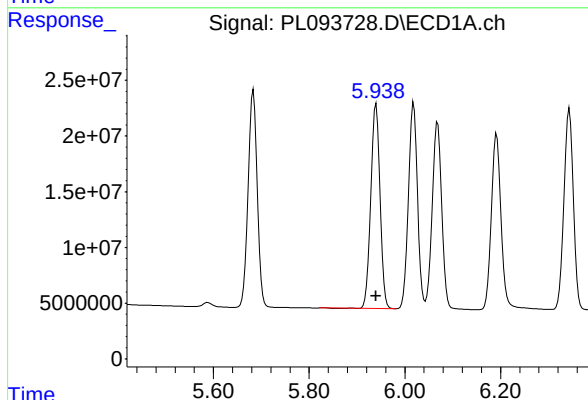
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



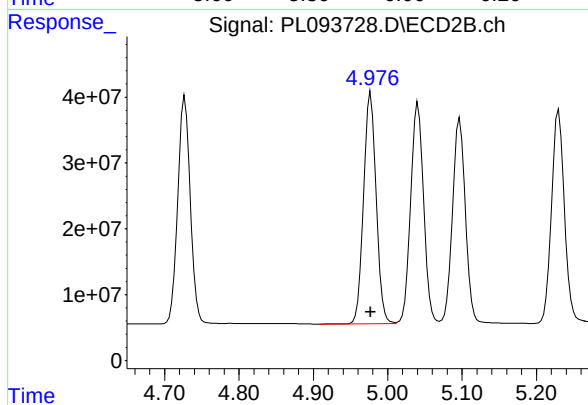
#9 Endosulfan I

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



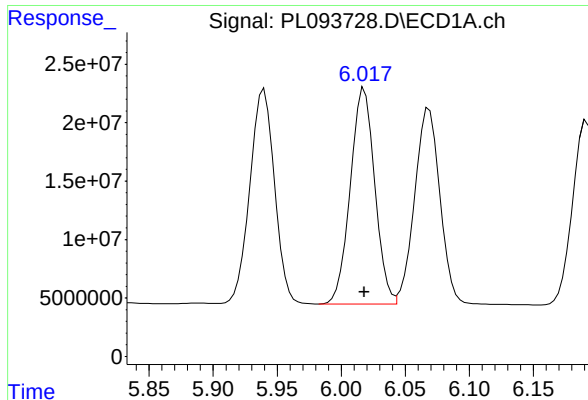
#10 gamma-Chlordane

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



#10 gamma-Chlordane

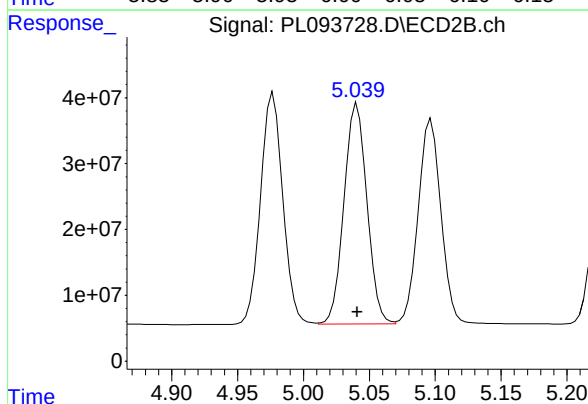
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

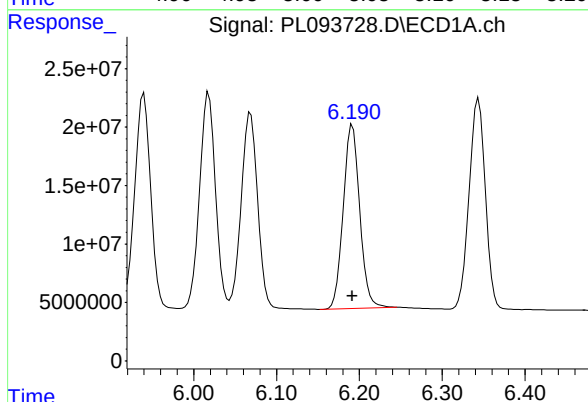
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



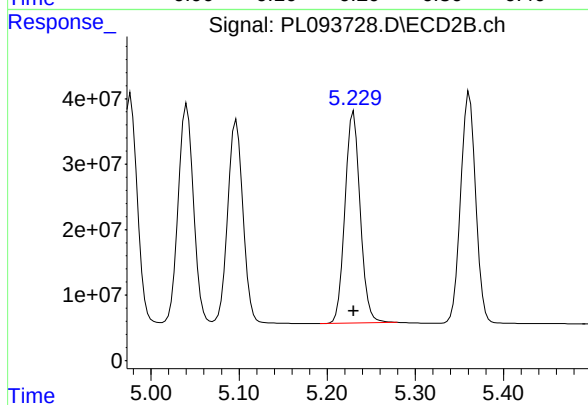
#11 alpha-Chlordane

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



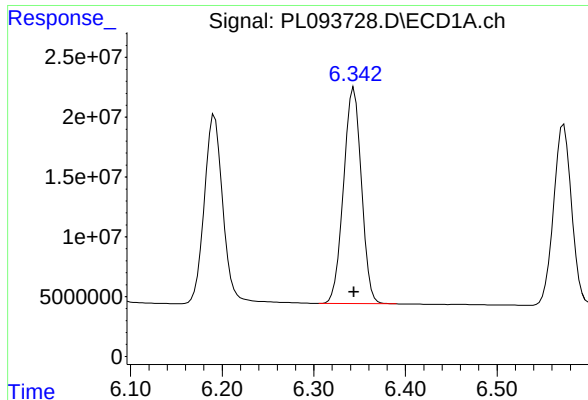
#12 4,4'-DDE

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



#12 4,4'-DDE

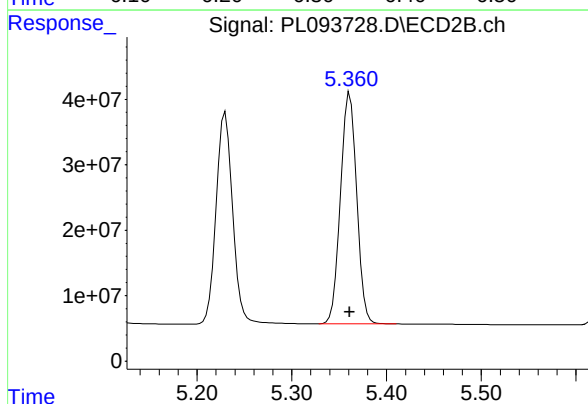
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

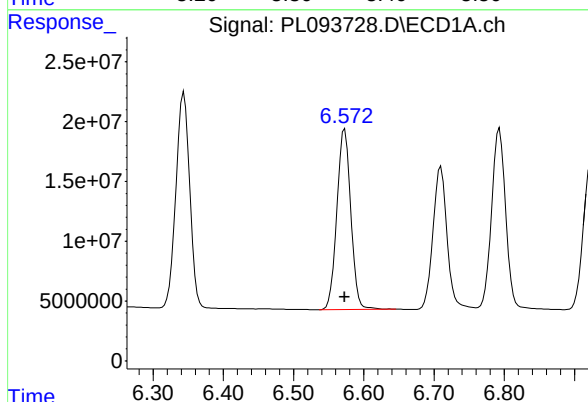
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 245657863
Conc: 93.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



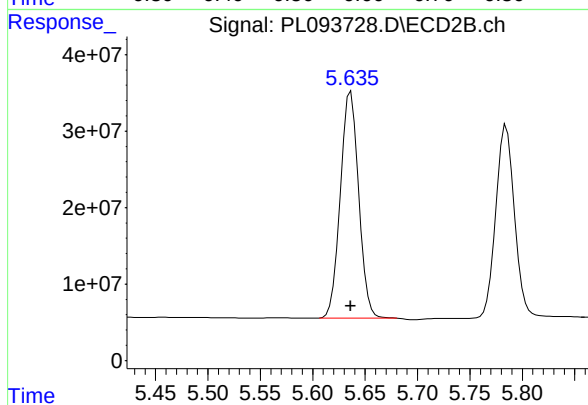
#13 Dieldrin

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



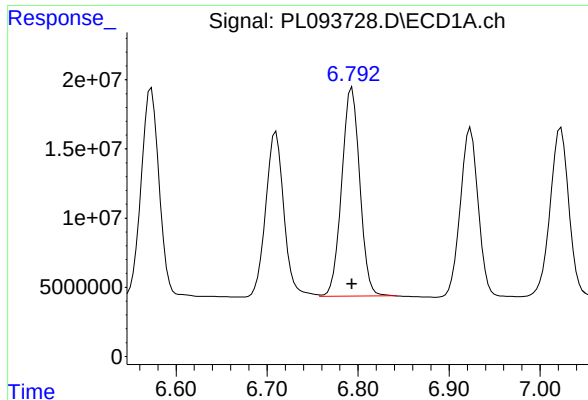
#14 Endrin

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



#14 Endrin

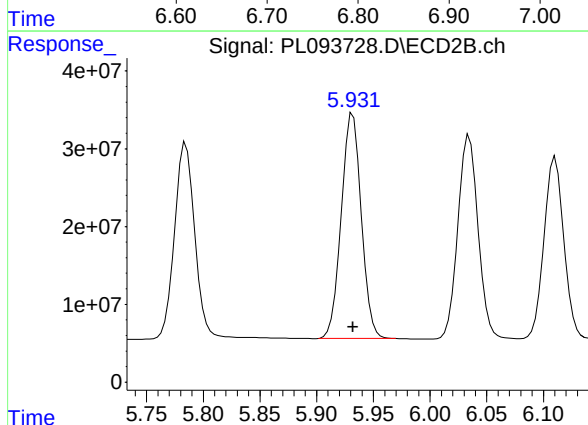
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

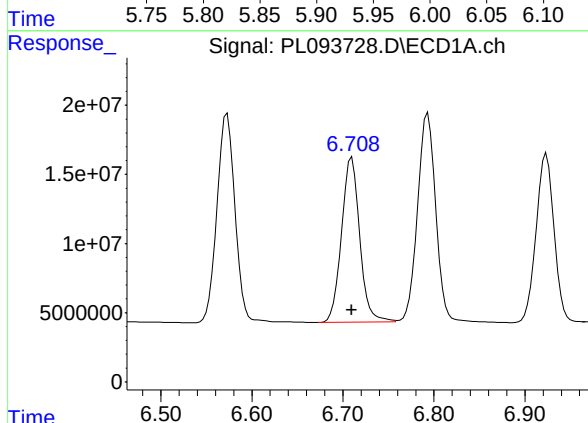
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



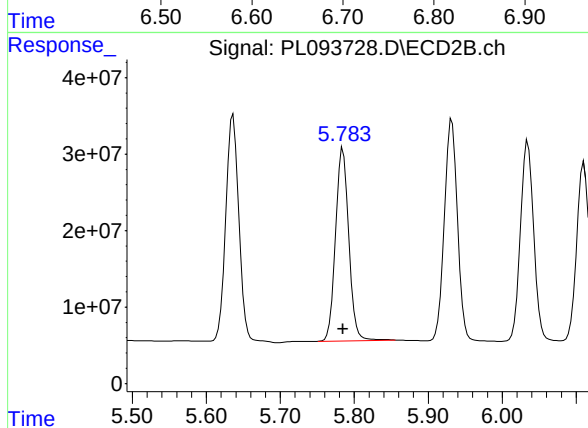
#15 Endosulfan II

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



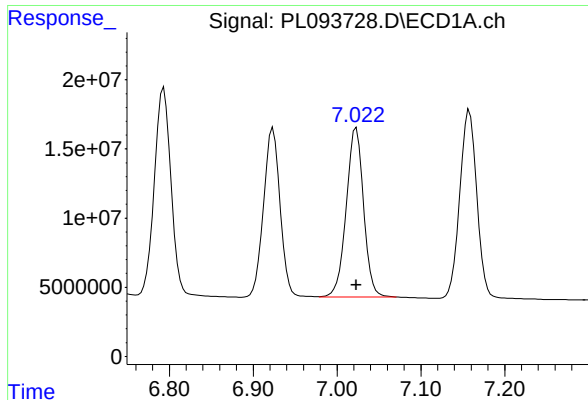
#16 4,4'-DDD

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



#16 4,4'-DDD

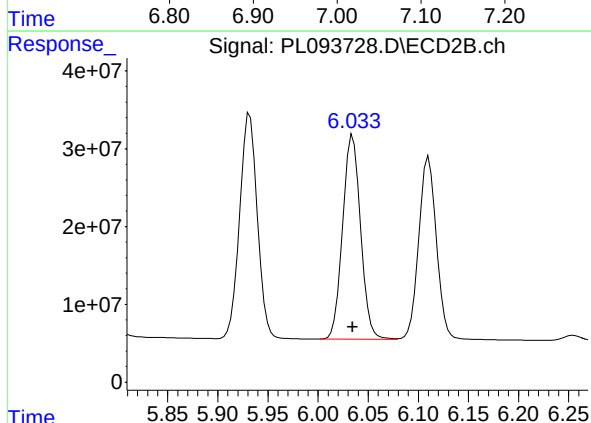
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

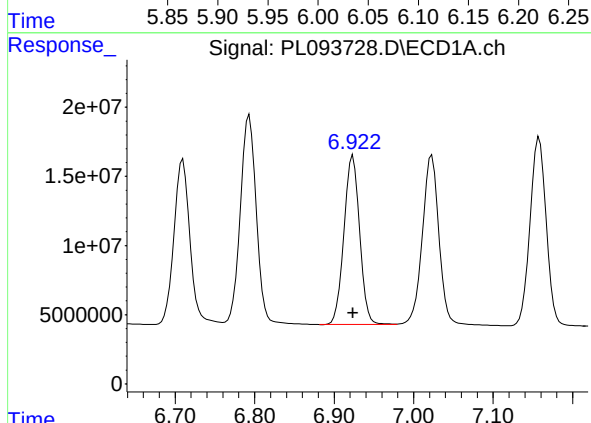
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



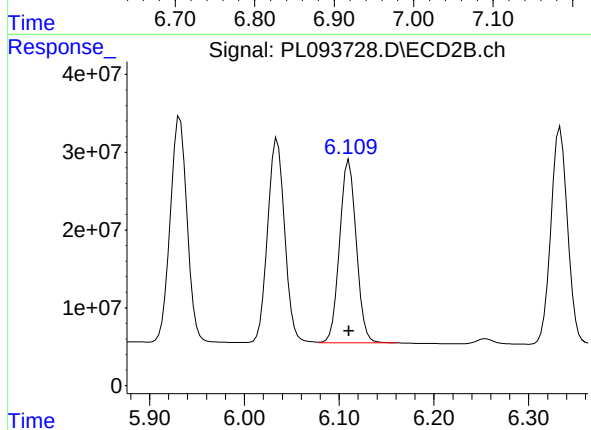
#17 4,4'-DDT

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



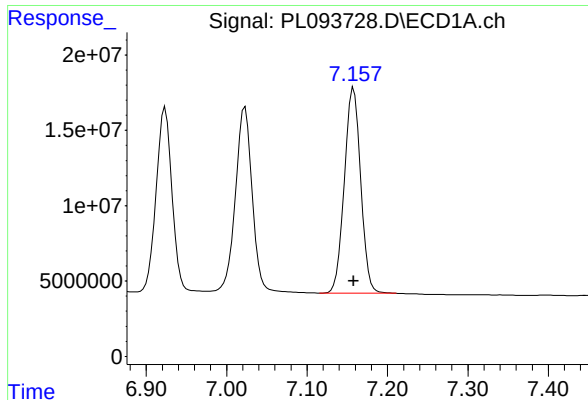
#18 Endrin aldehyde

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



#18 Endrin aldehyde

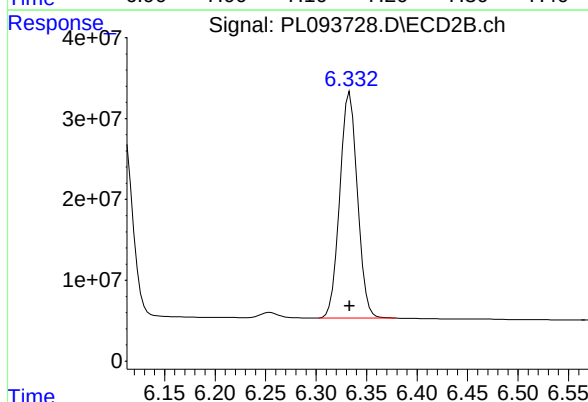
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

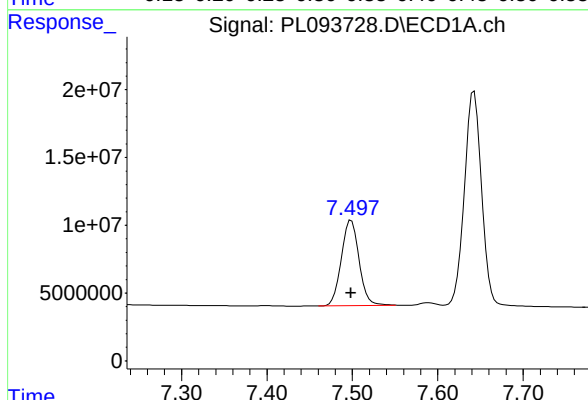
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



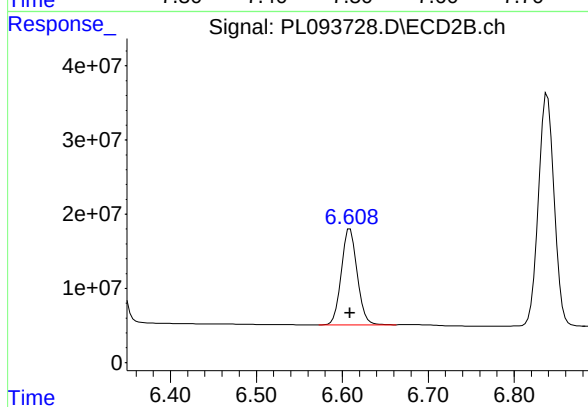
#19 Endosulfan Sulfate

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



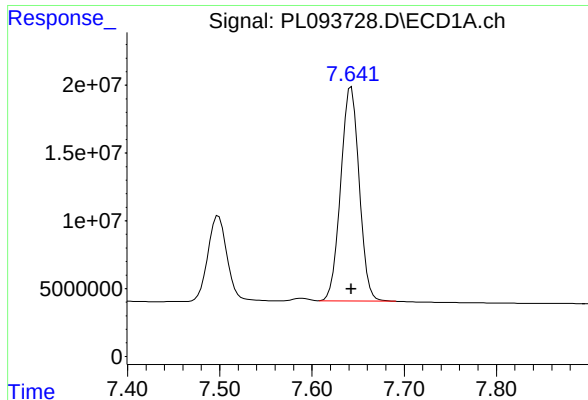
#20 Methoxychlor

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



#20 Methoxychlor

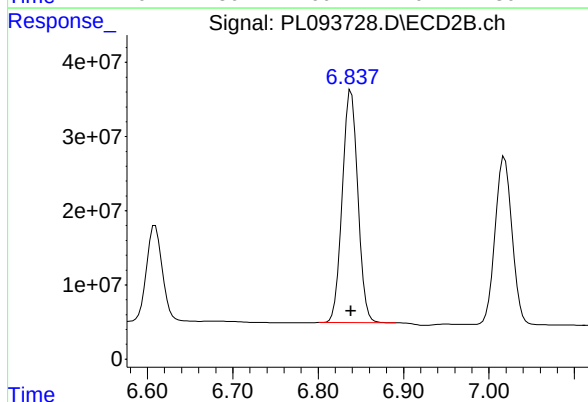
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

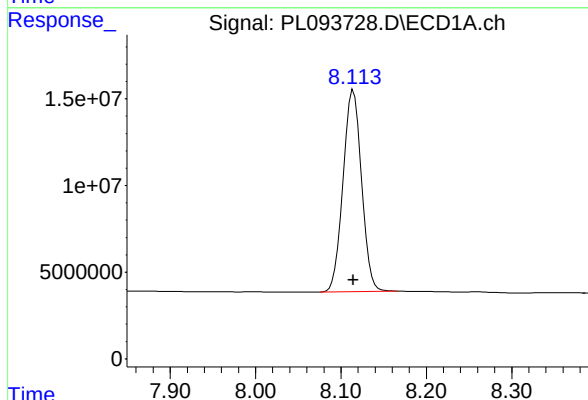
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



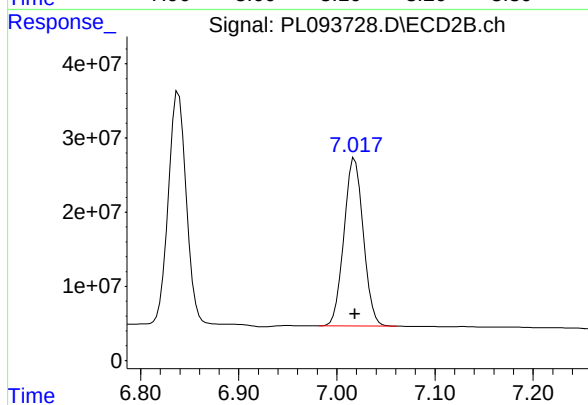
#21 Endrin ketone

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



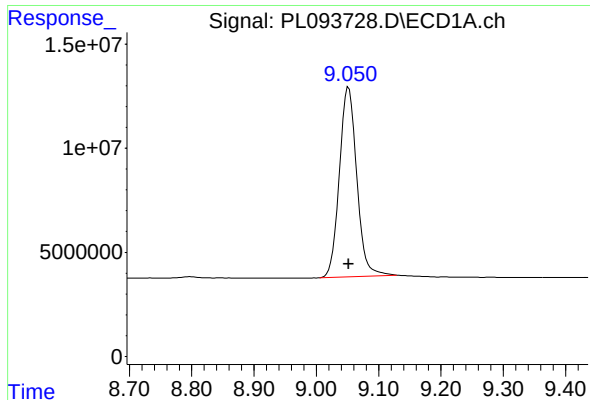
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.052 min

Delta R.T.: 0.000 min

Response: 176847808

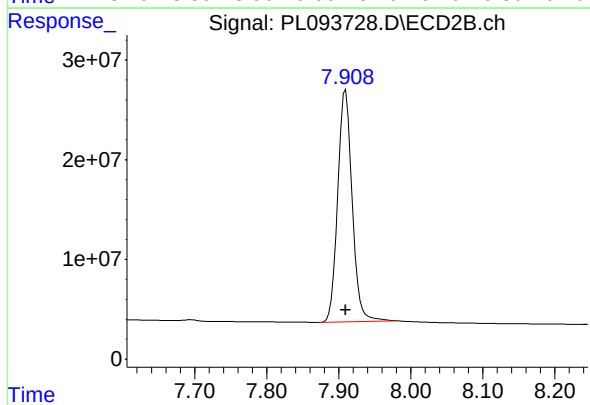
Conc: 91.47 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min

Delta R.T.: 0.000 min

Response: 322668553

Conc: 94.16 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

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

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

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

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

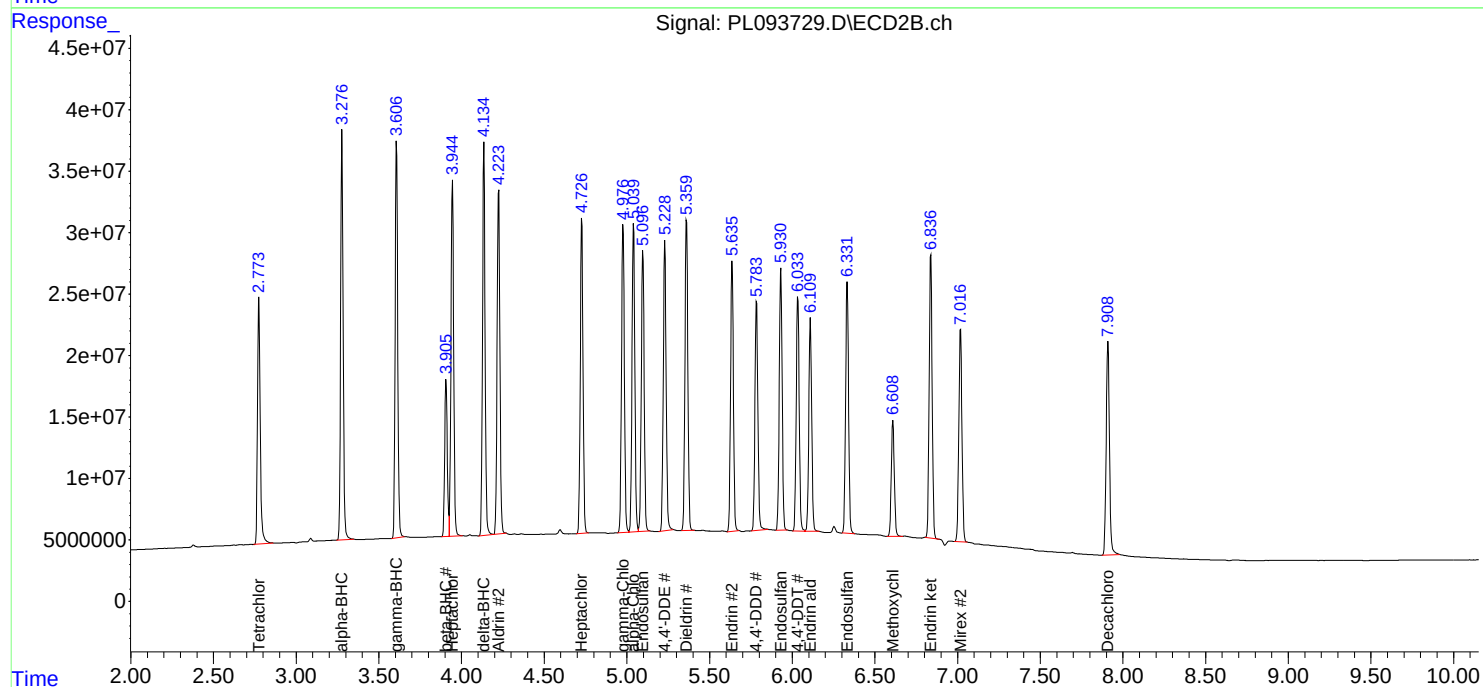
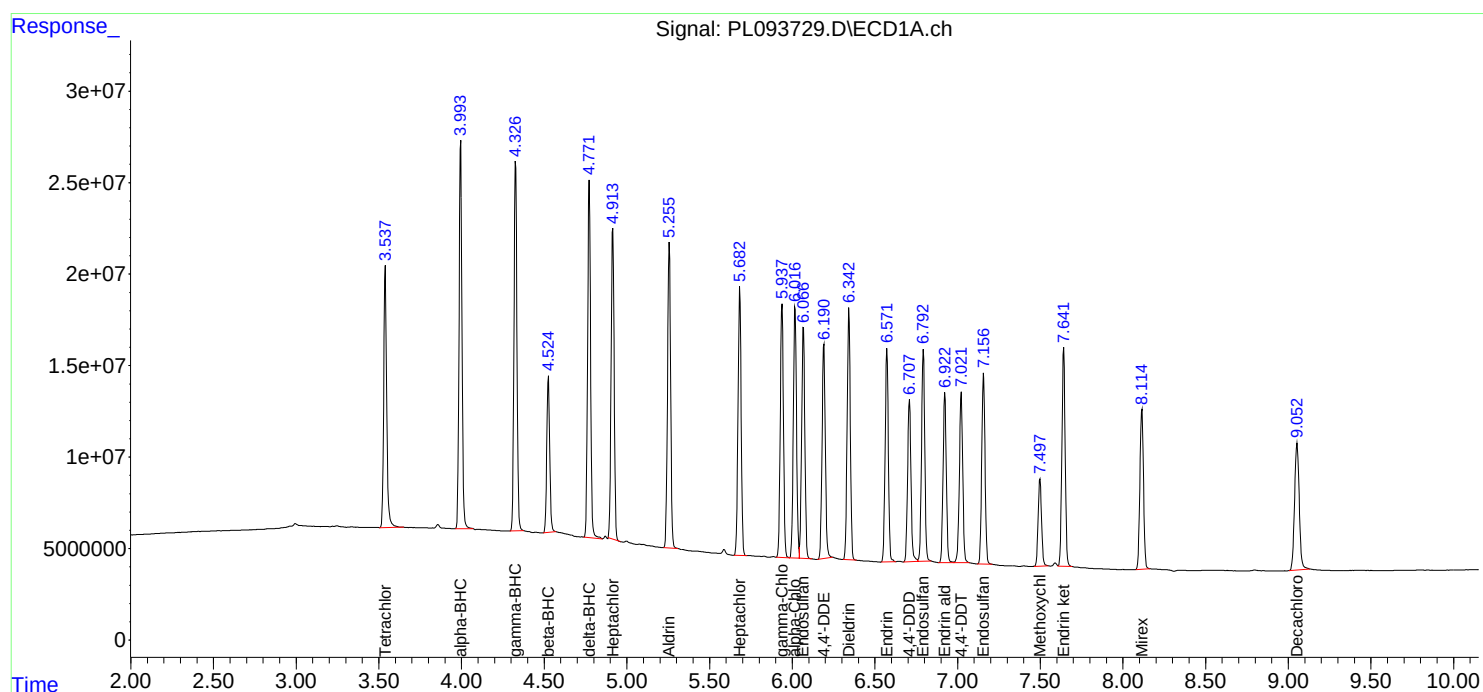
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

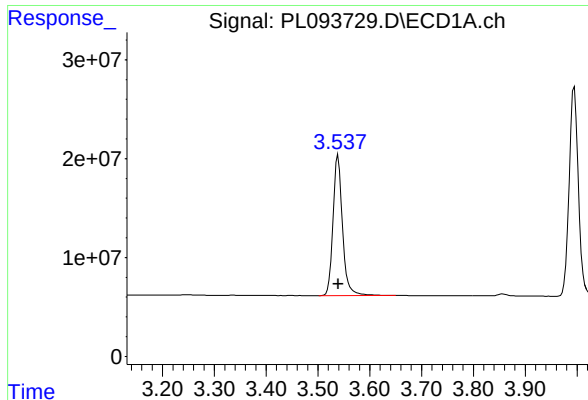
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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

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

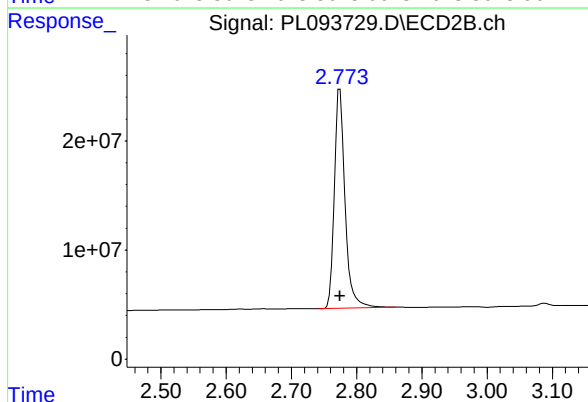




#1 Tetrachloro-m-xylene

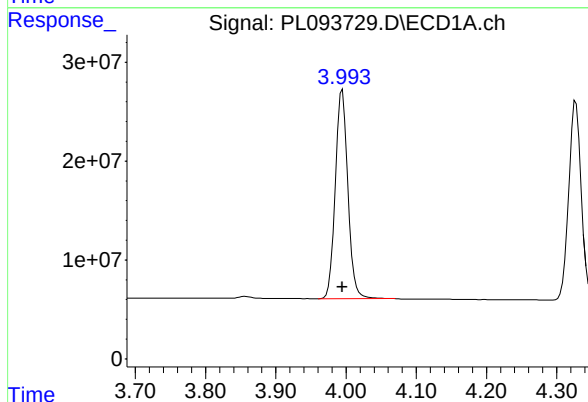
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



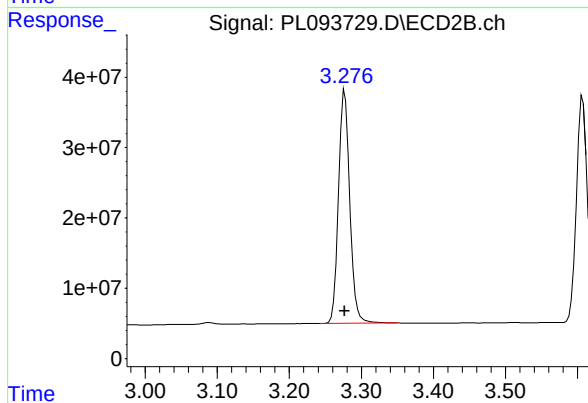
#1 Tetrachloro-m-xylene

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



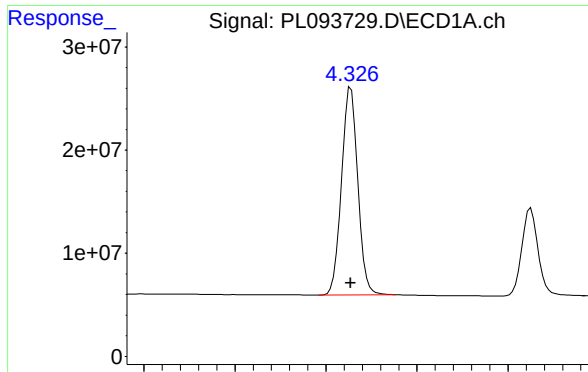
#2 alpha-BHC

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



#2 alpha-BHC

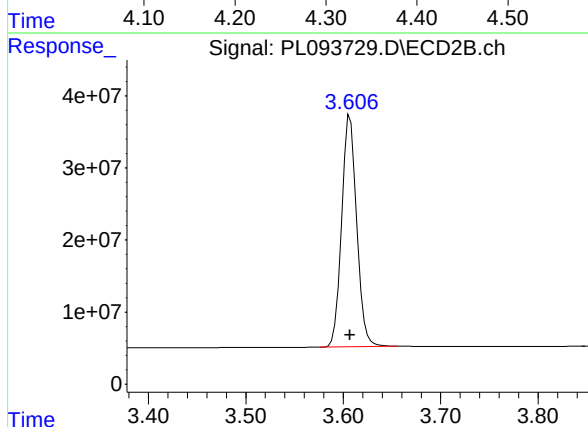
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

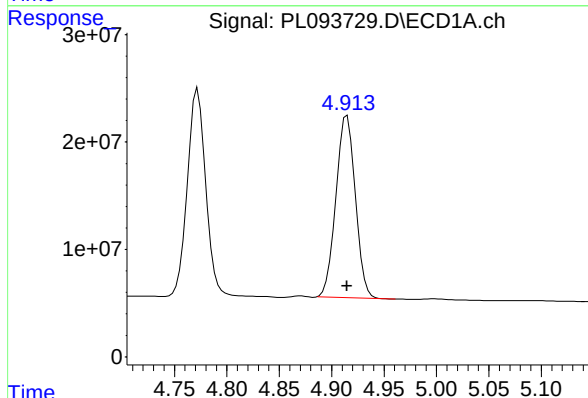
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



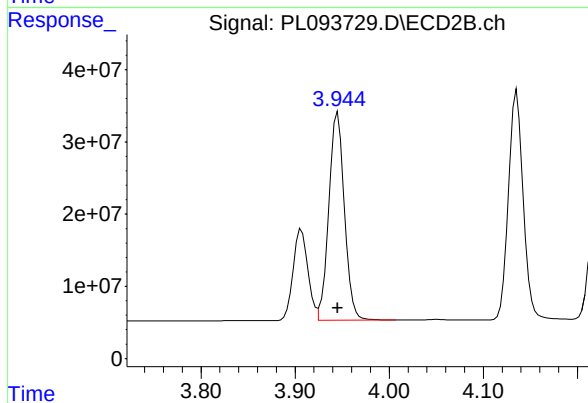
#3 gamma-BHC (Lindane)

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



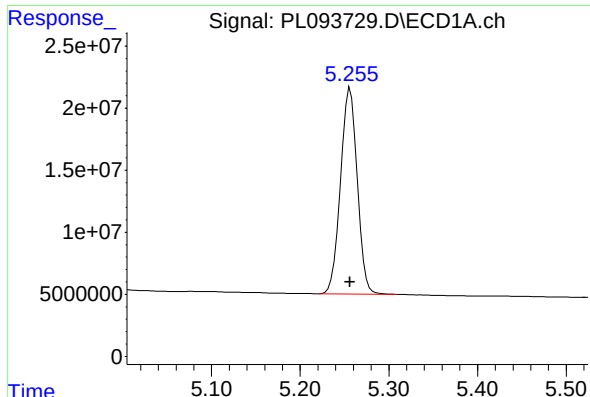
#4 Heptachlor

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



#4 Heptachlor

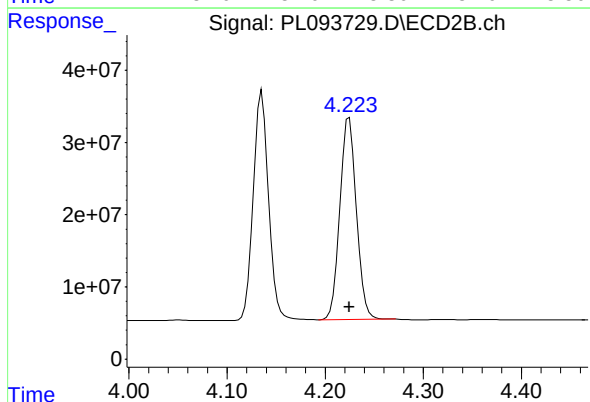
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

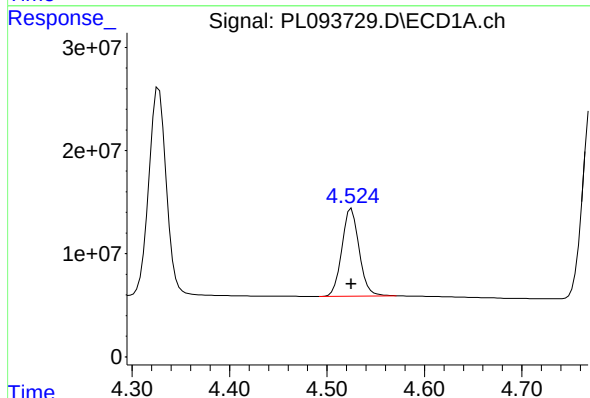
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



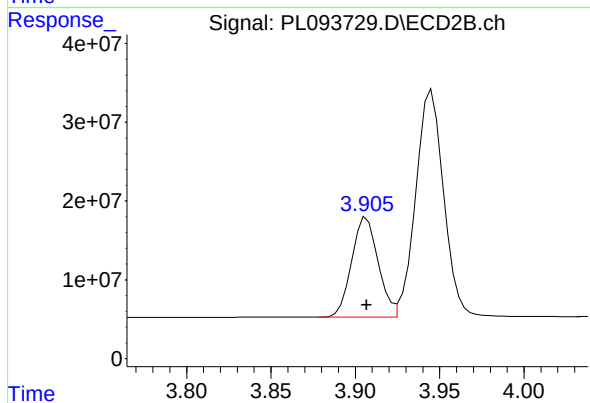
#5 Aldrin

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



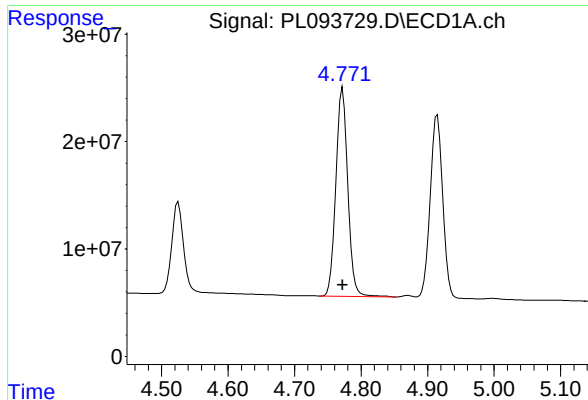
#6 beta-BHC

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



#6 beta-BHC

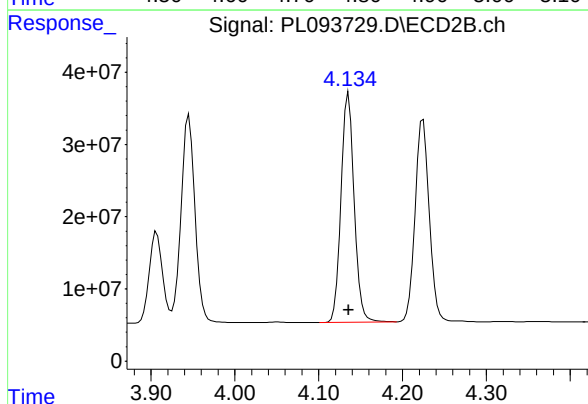
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

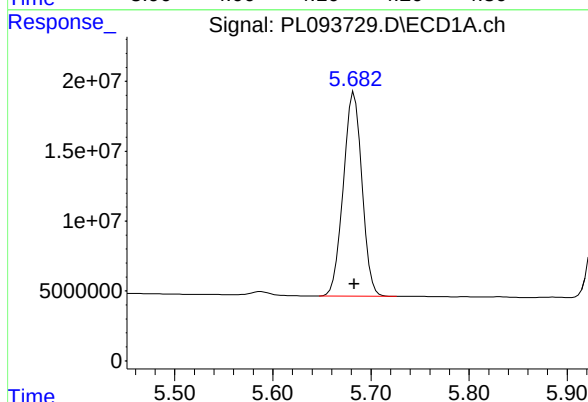
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



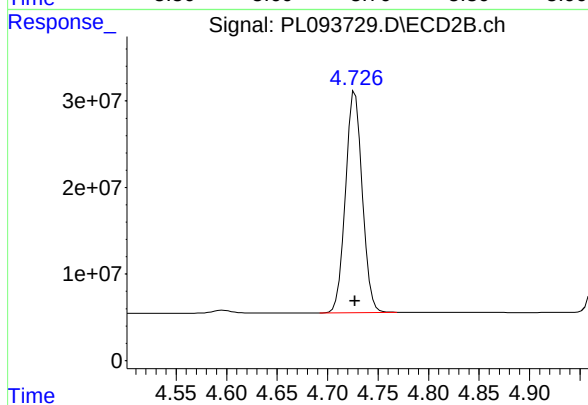
#7 delta-BHC

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



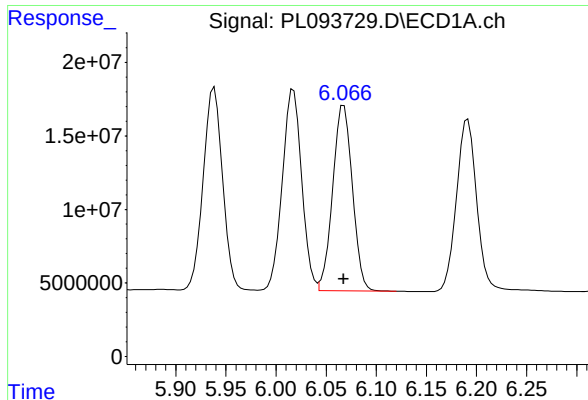
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

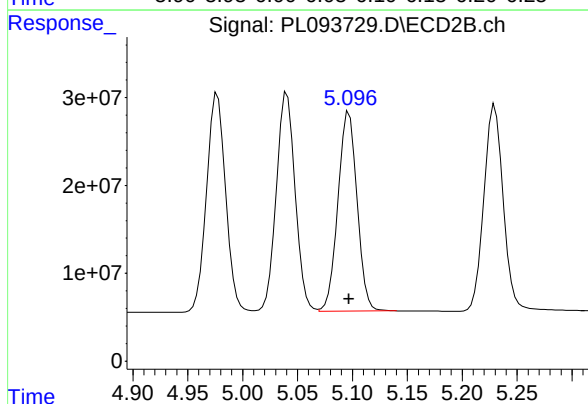
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

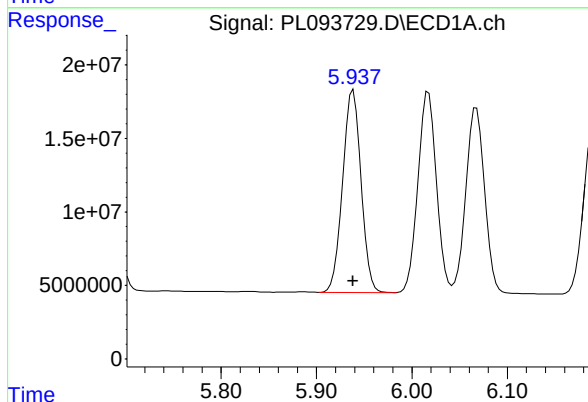
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



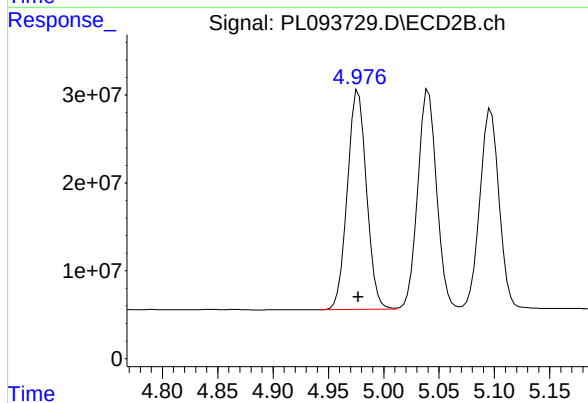
#9 Endosulfan I

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



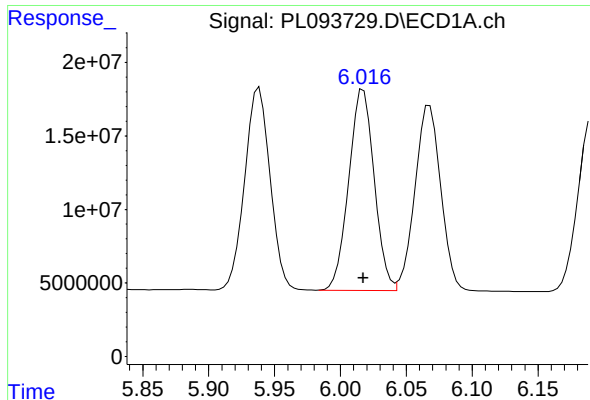
#10 gamma-Chlordane

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



#10 gamma-Chlordane

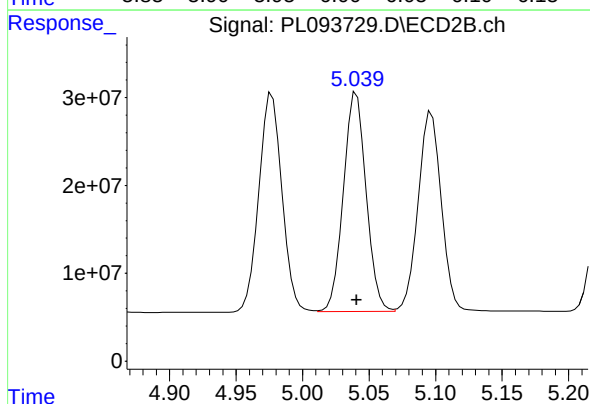
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

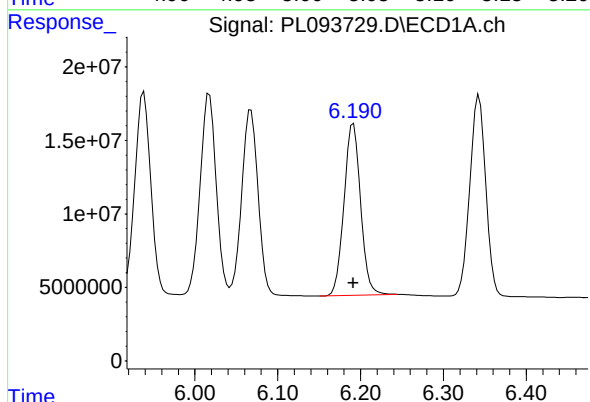
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



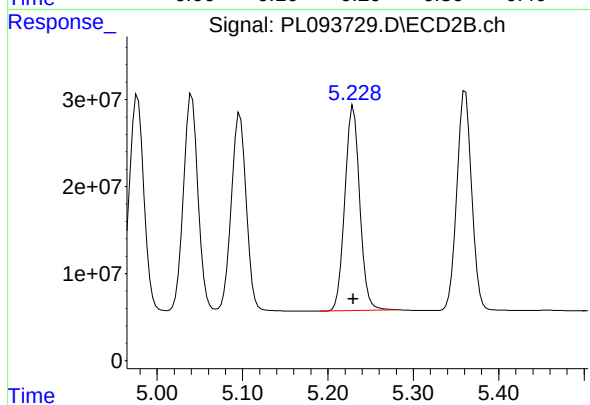
#11 alpha-Chlordane

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



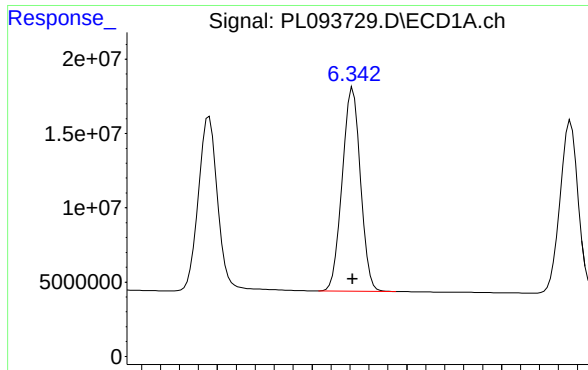
#12 4,4'-DDE

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



#12 4,4'-DDE

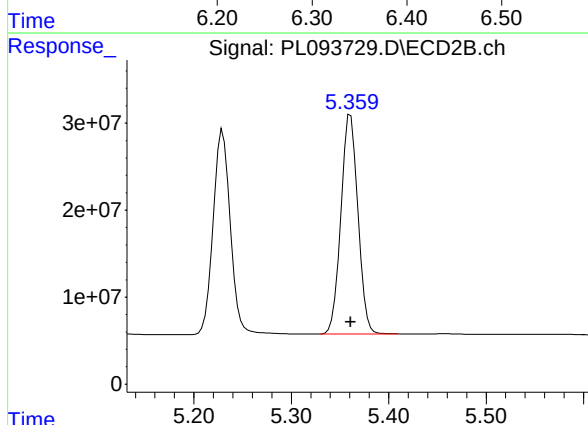
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

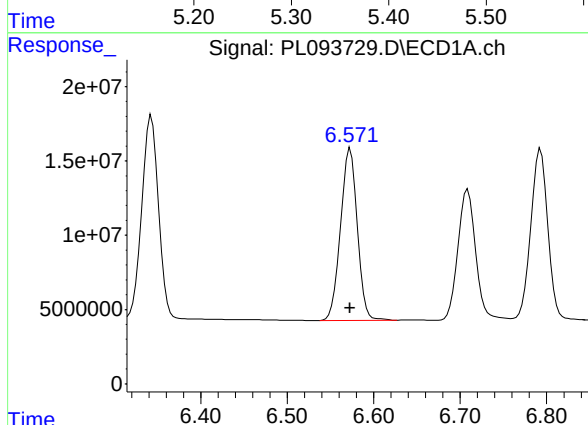
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



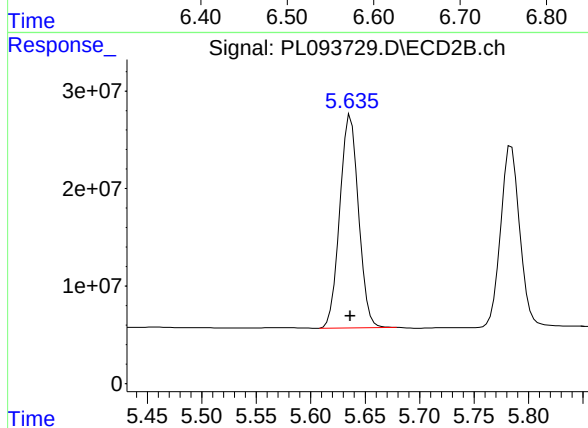
#13 Dieldrin

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



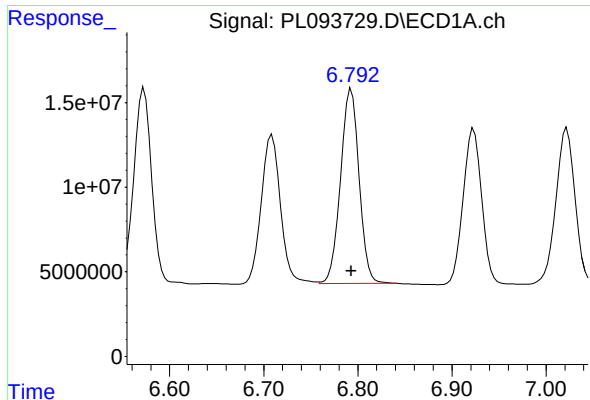
#14 Endrin

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



#14 Endrin

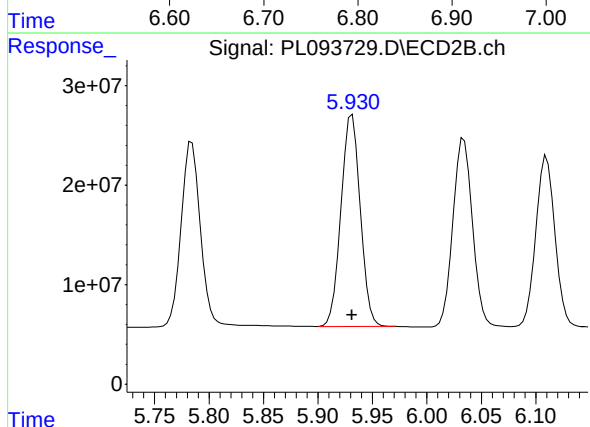
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

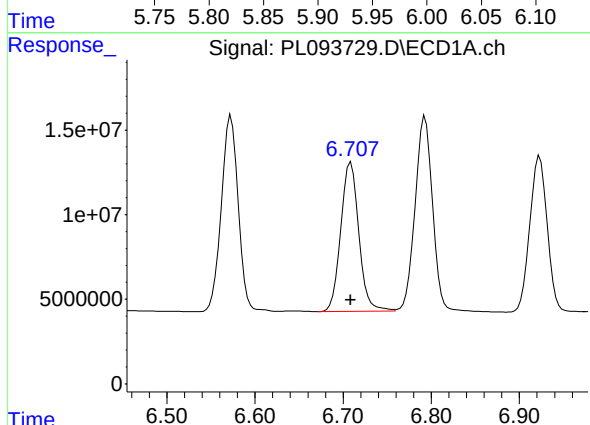
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



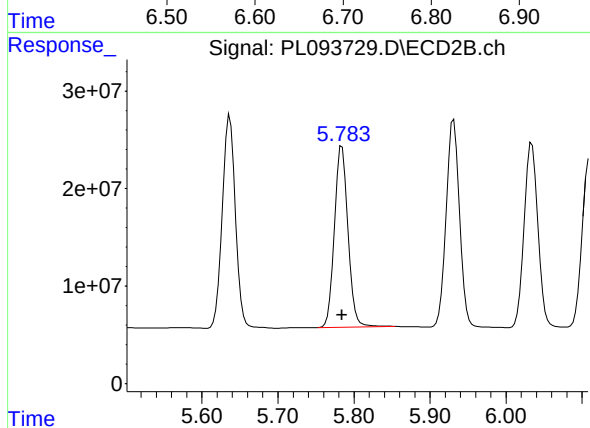
#15 Endosulfan II

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



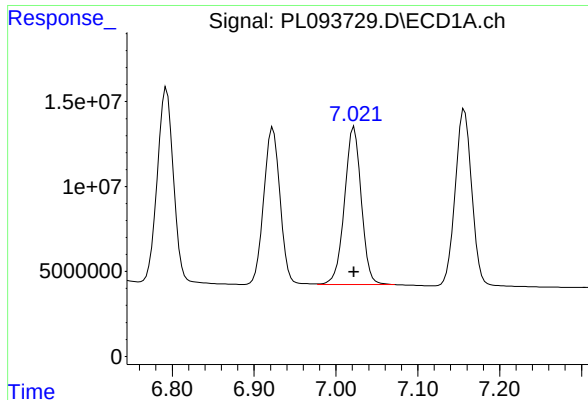
#16 4,4'-DDD

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



#16 4,4'-DDD

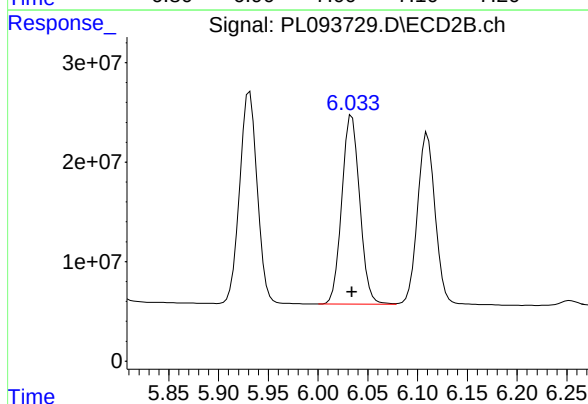
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

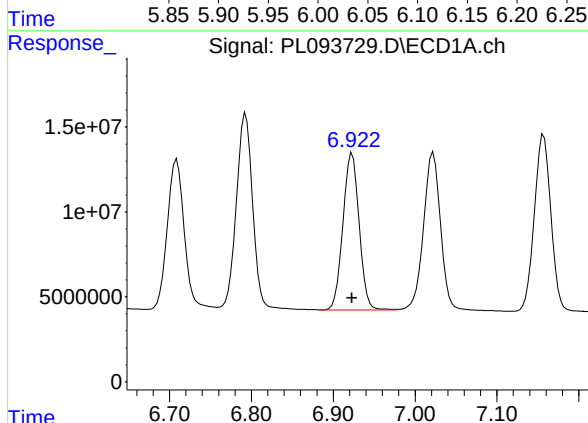
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



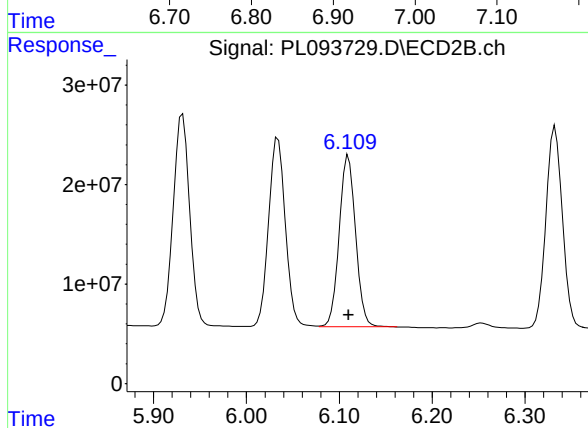
#17 4,4'-DDT

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



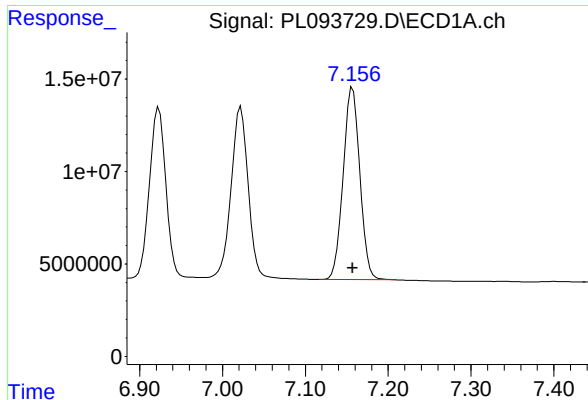
#18 Endrin aldehyde

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



#18 Endrin aldehyde

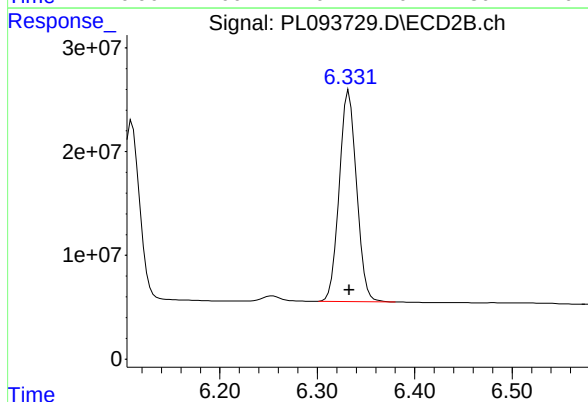
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

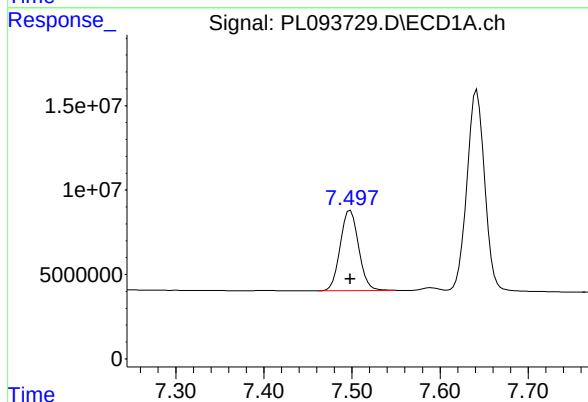
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



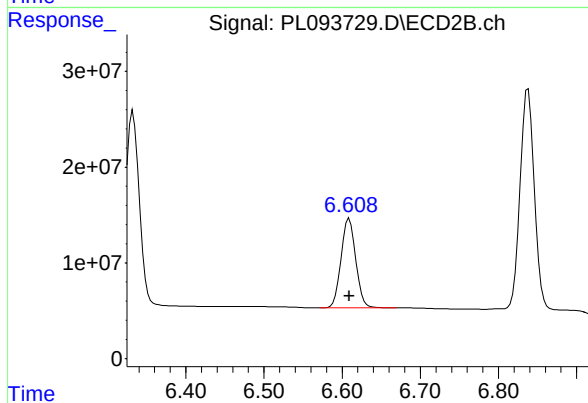
#19 Endosulfan Sulfate

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



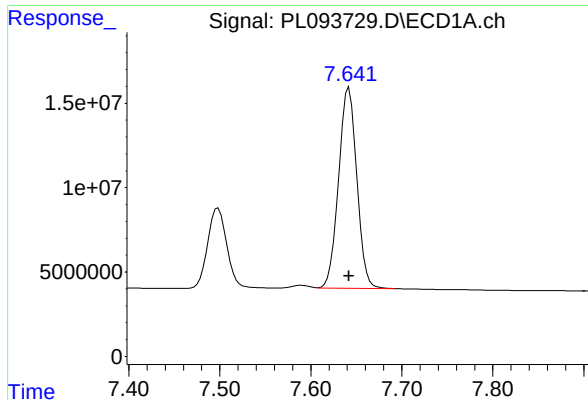
#20 Methoxychlor

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



#20 Methoxychlor

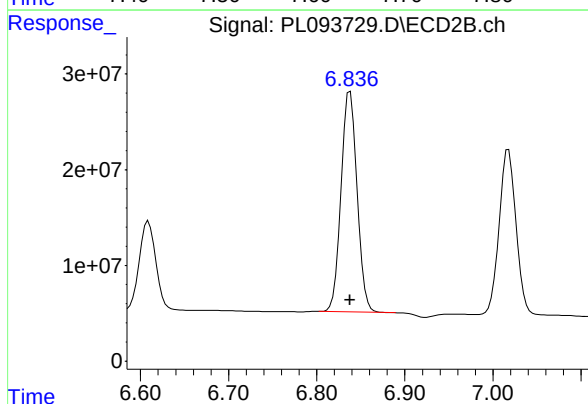
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

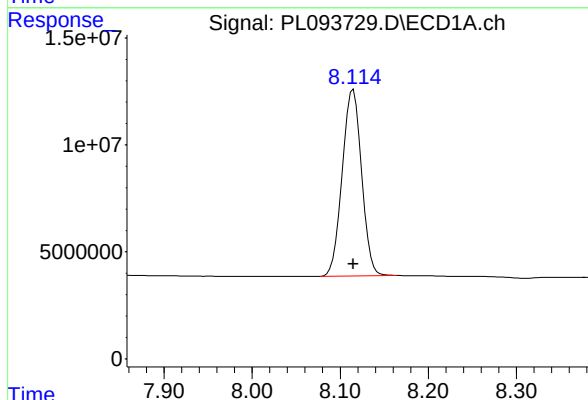
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



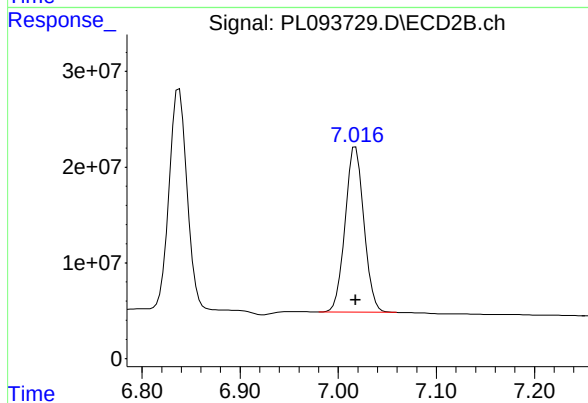
#21 Endrin ketone

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



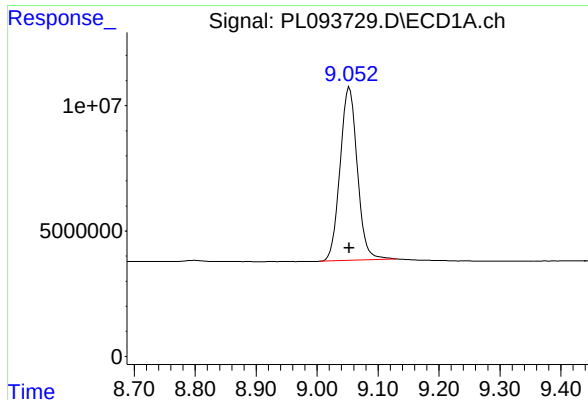
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.053 min

Delta R.T.: 0.000 min

Response: 136236362

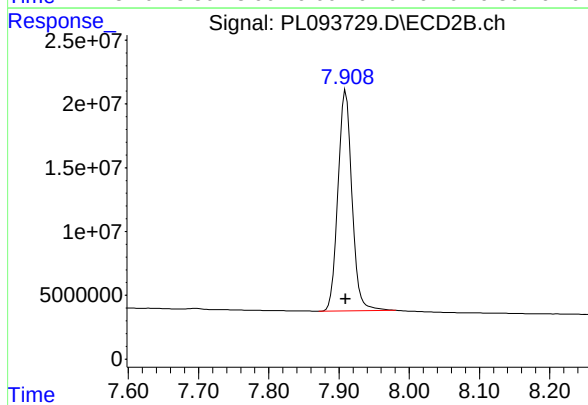
Conc: 71.91 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min

Delta R.T.: 0.000 min

Response: 239534634

Conc: 71.52 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

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

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

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

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

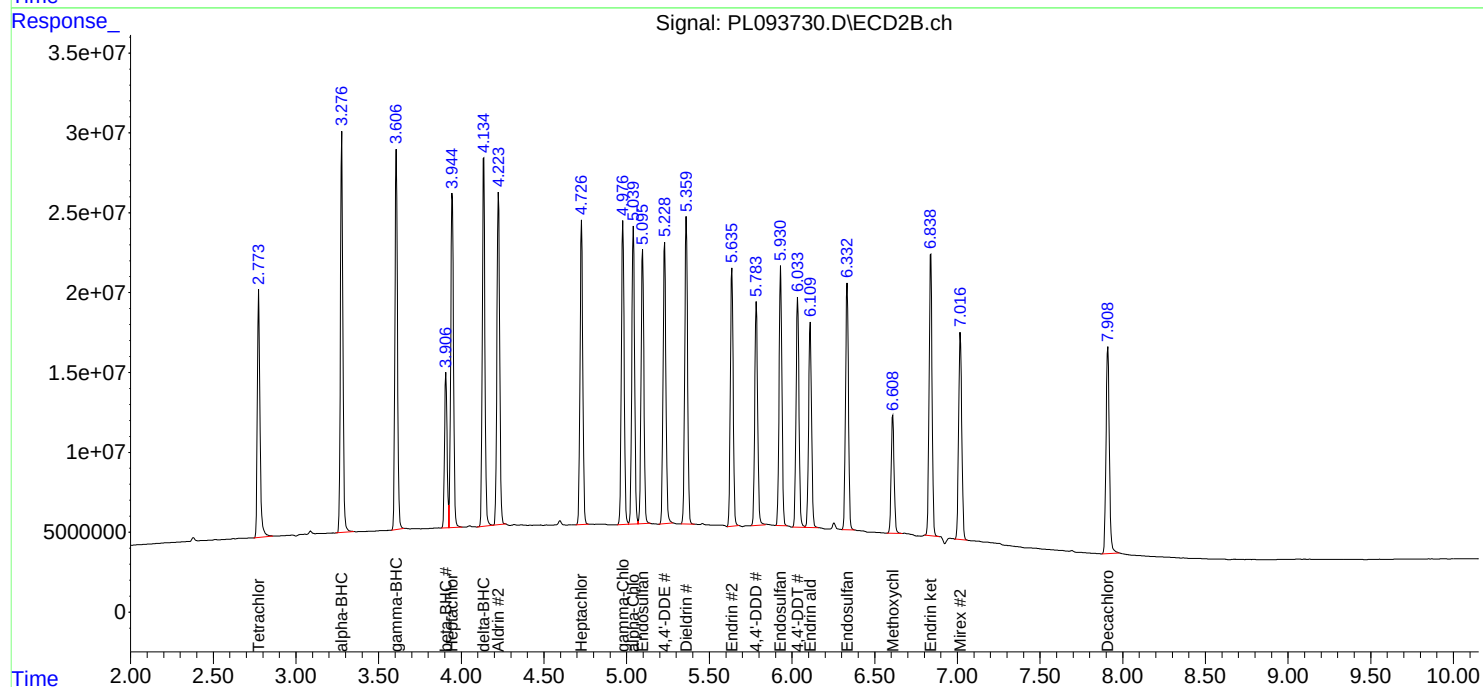
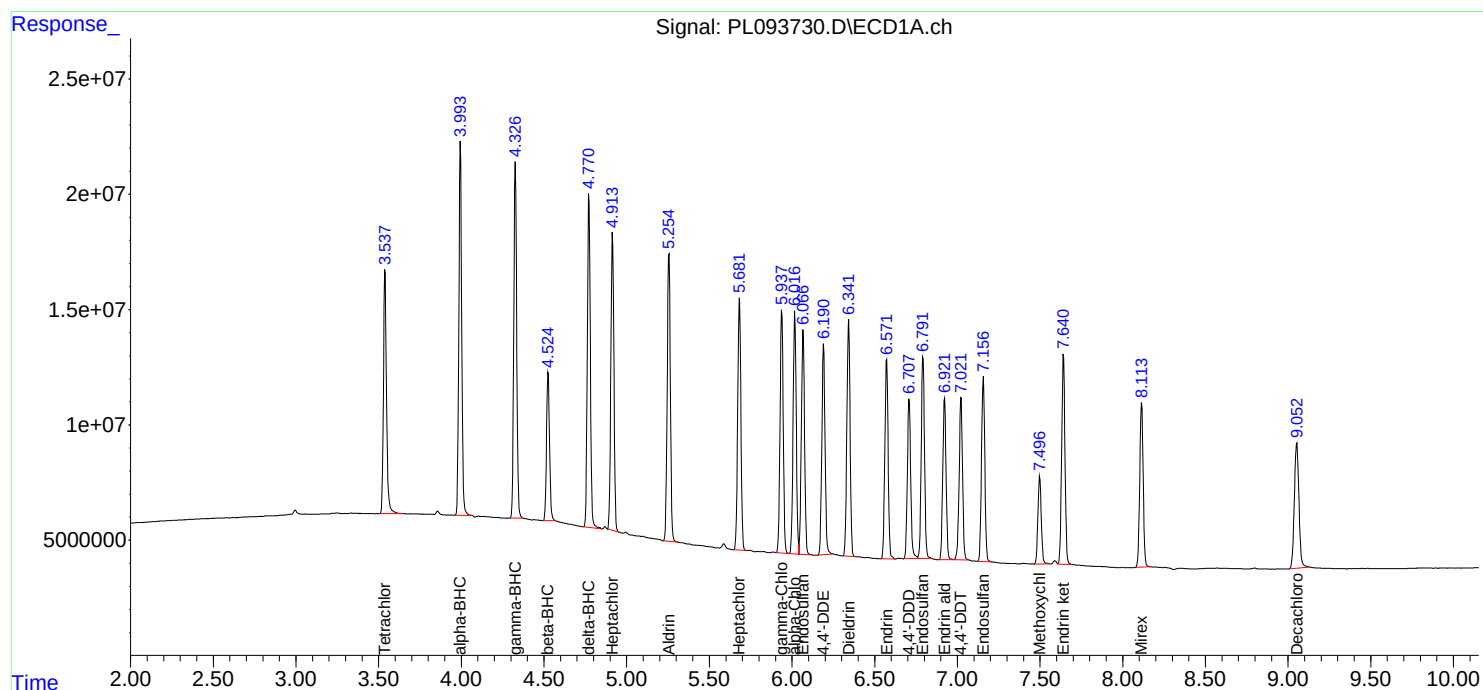
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

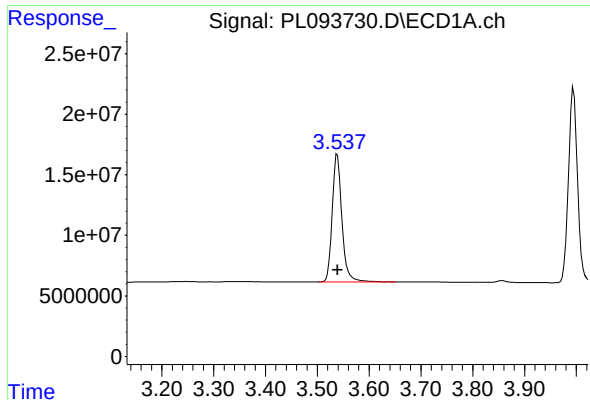
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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

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

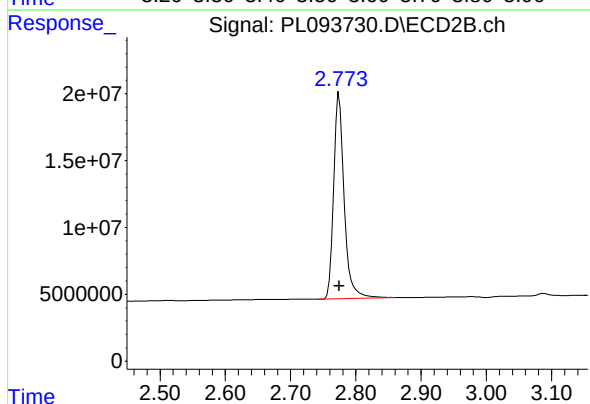




#1 Tetrachloro-m-xylene

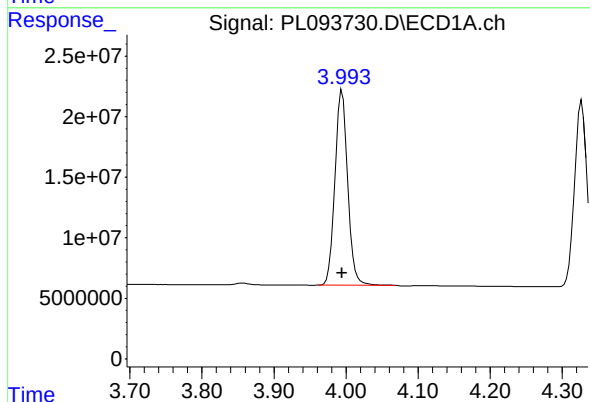
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



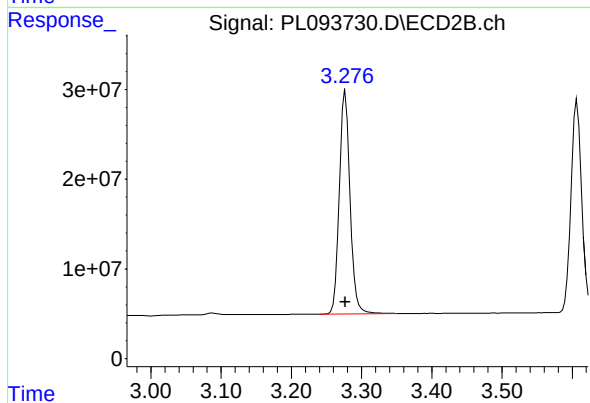
#1 Tetrachloro-m-xylene

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



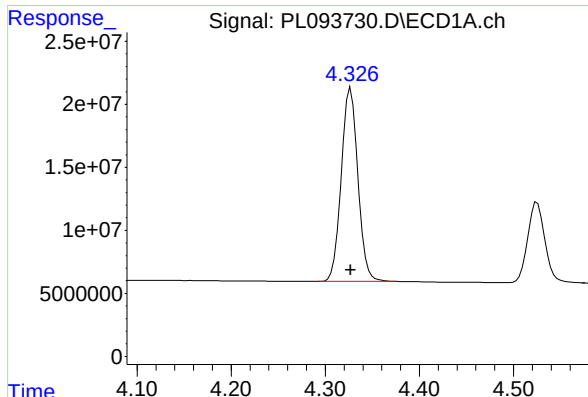
#2 alpha-BHC

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



#2 alpha-BHC

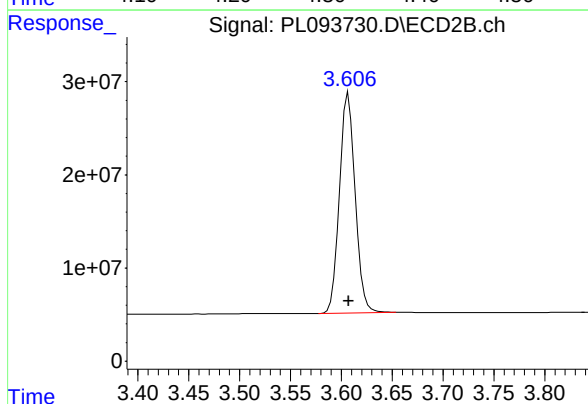
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

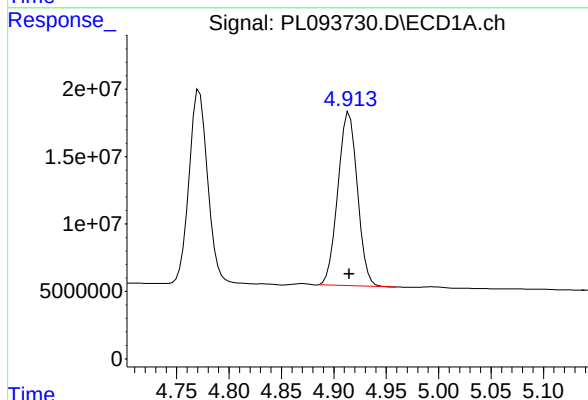
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



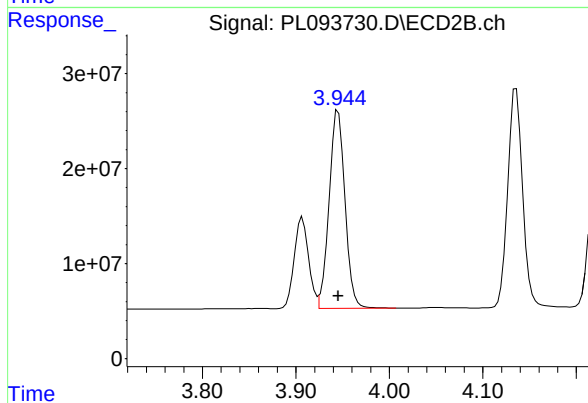
#3 gamma-BHC (Lindane)

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



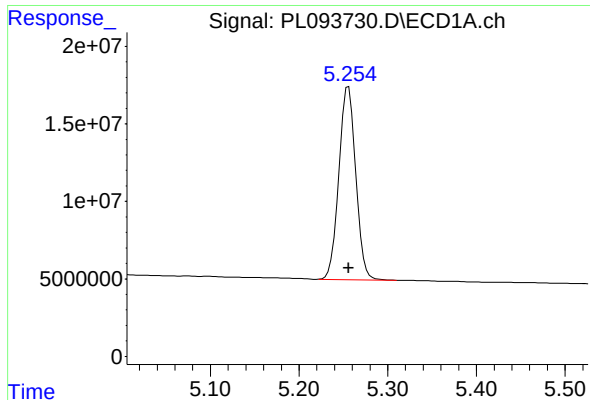
#4 Heptachlor

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



#4 Heptachlor

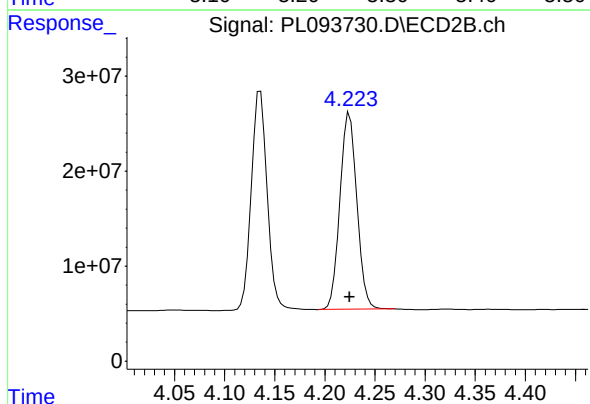
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

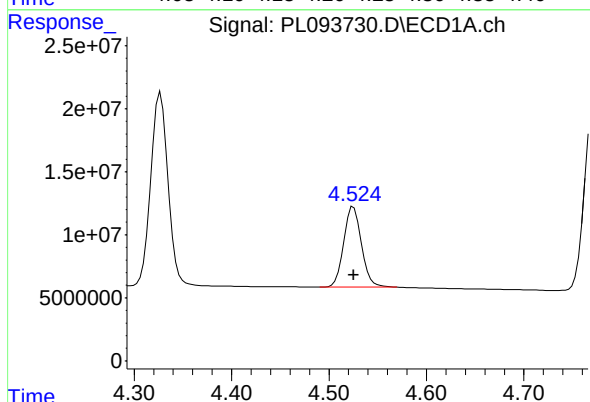
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



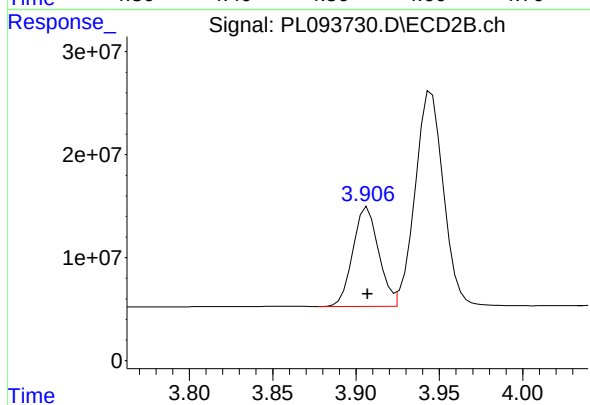
#5 Aldrin

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



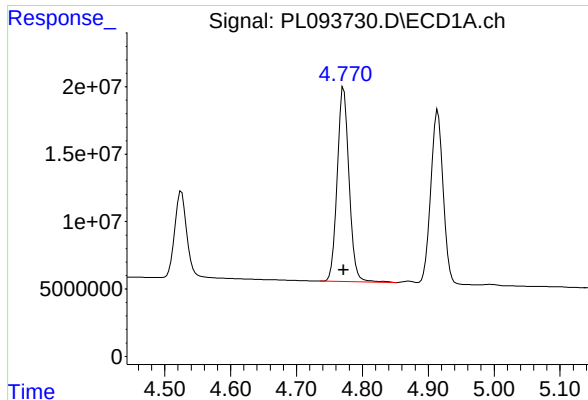
#6 beta-BHC

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



#6 beta-BHC

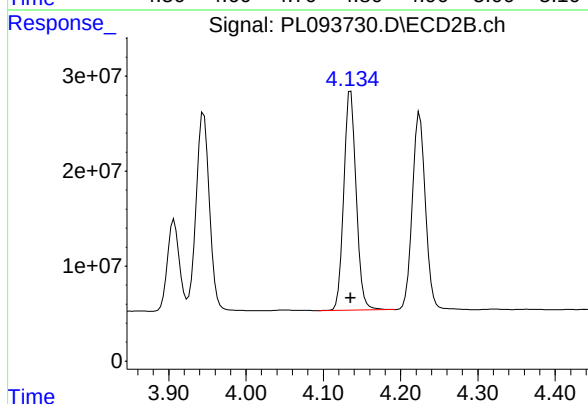
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

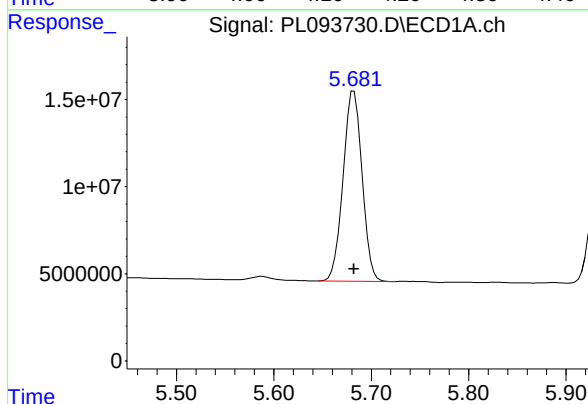
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



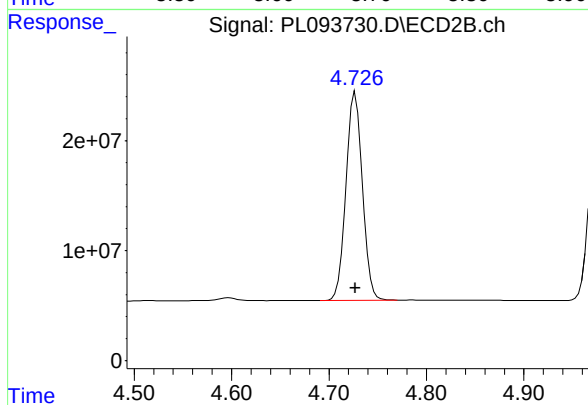
#7 delta-BHC

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



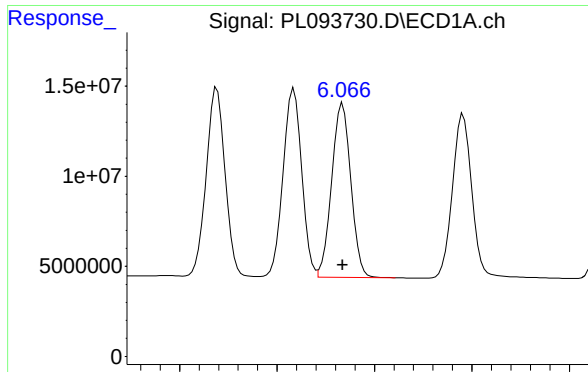
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

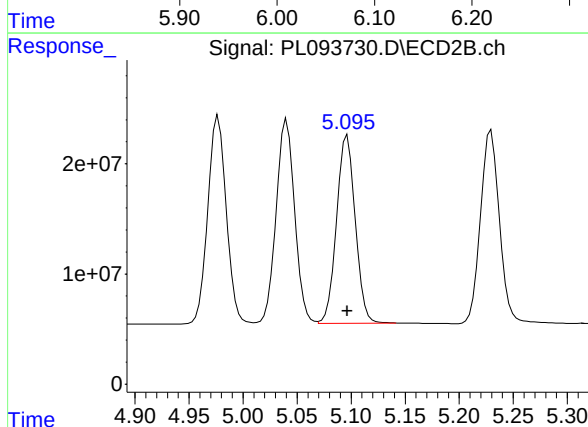
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

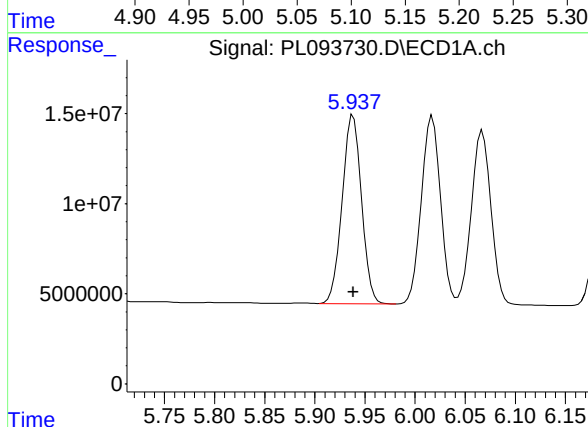
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



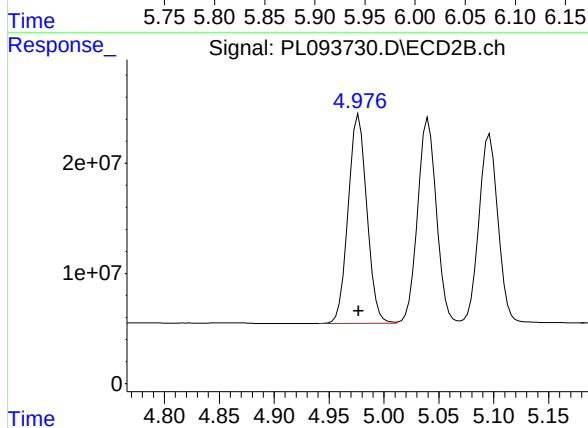
#9 Endosulfan I

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



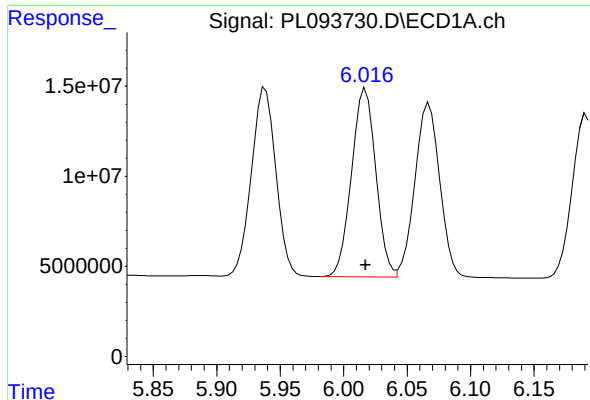
#10 gamma-Chlordane

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



#10 gamma-Chlordane

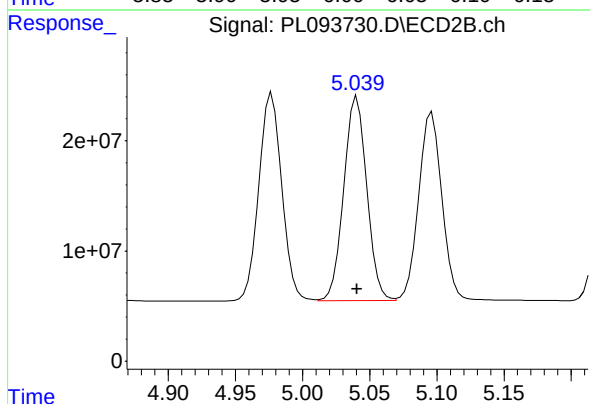
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

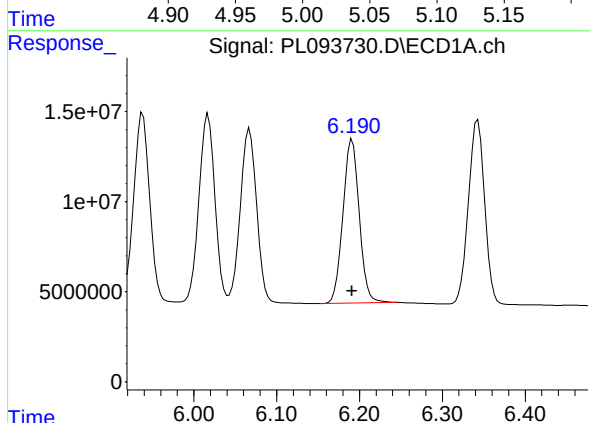
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



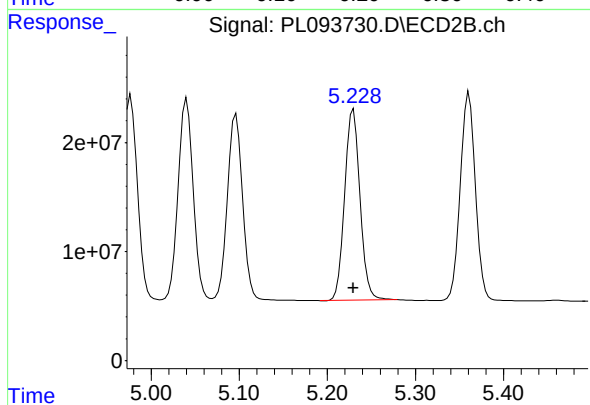
#11 alpha-Chlordane

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



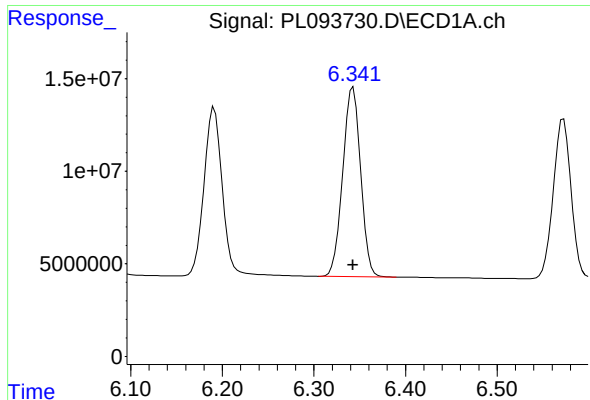
#12 4,4'-DDE

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



#12 4,4'-DDE

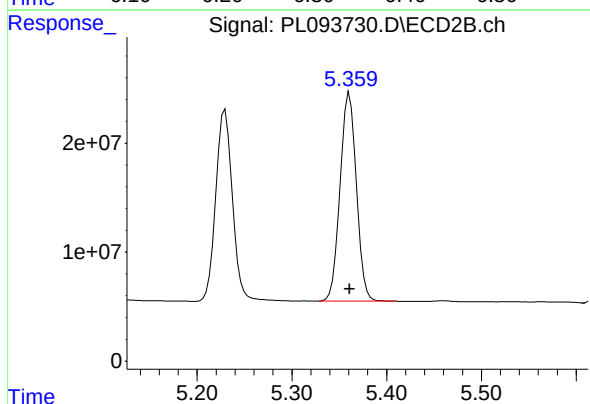
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

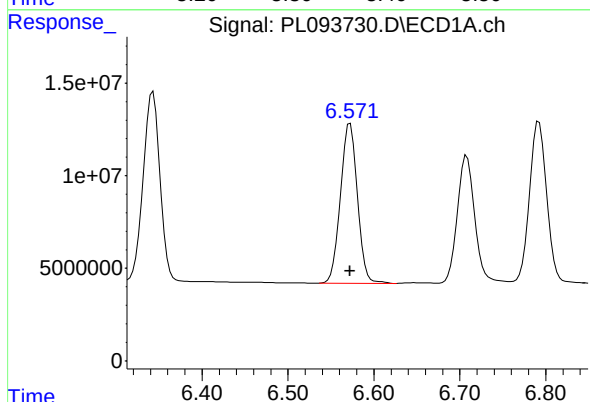
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139409444
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



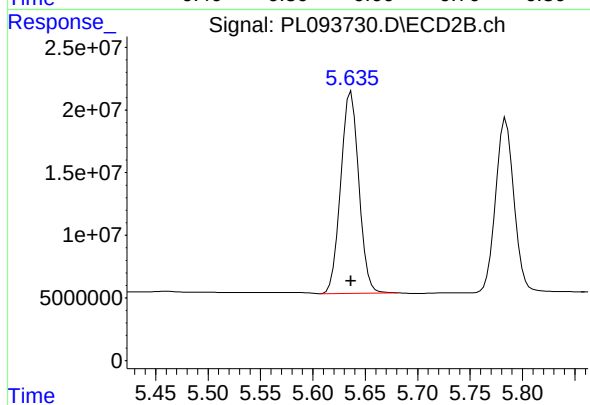
#13 Dieldrin

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



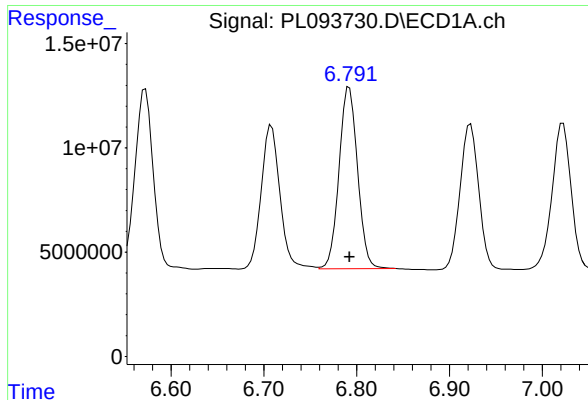
#14 Endrin

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



#14 Endrin

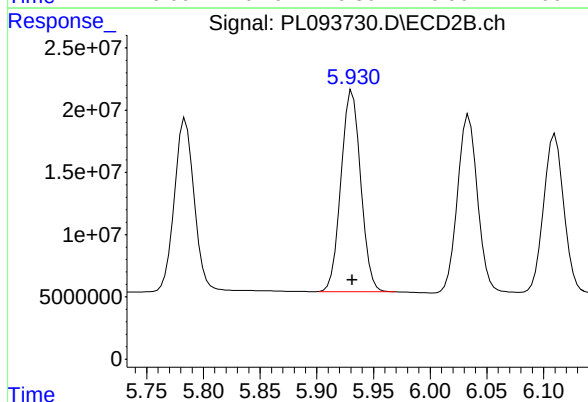
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

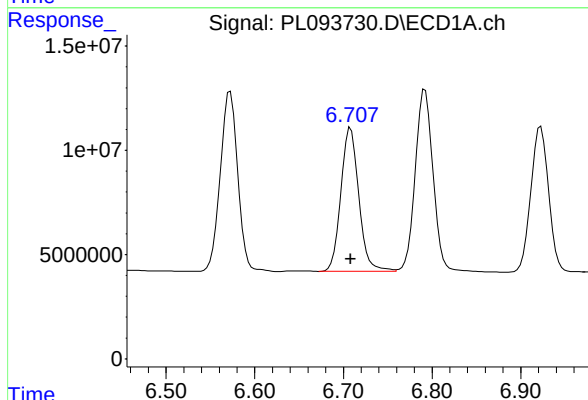
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 120697329
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



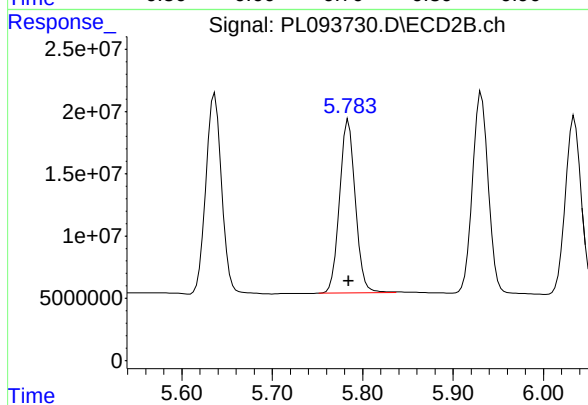
#15 Endosulfan II

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



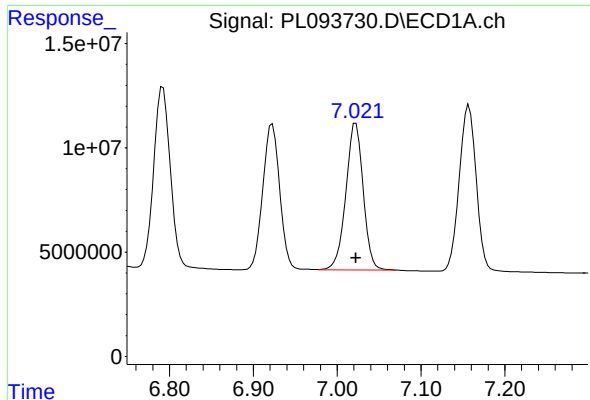
#16 4,4'-DDD

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



#16 4,4'-DDD

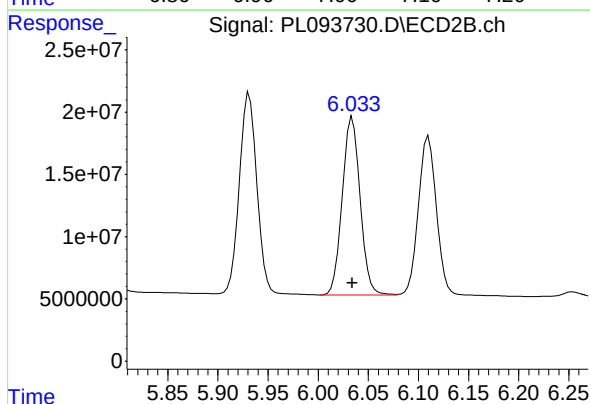
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

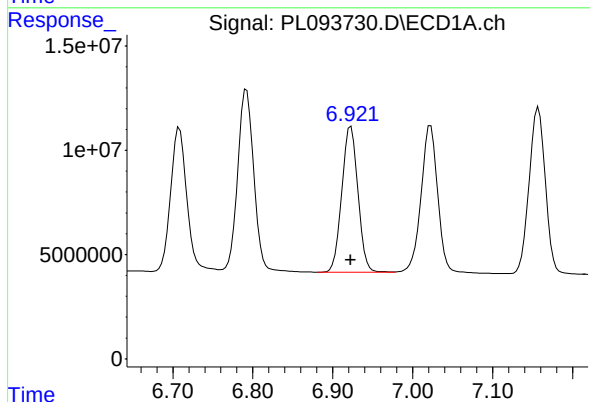
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



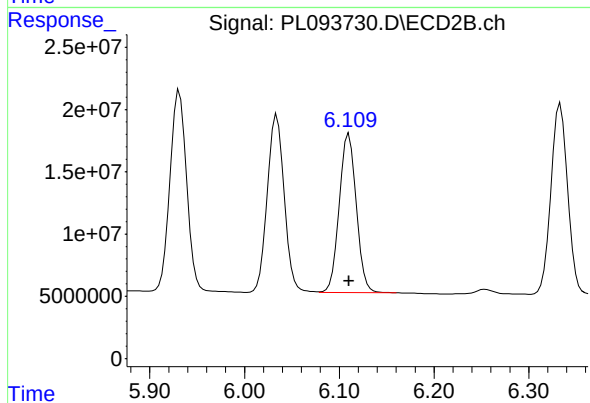
#17 4,4'-DDT

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



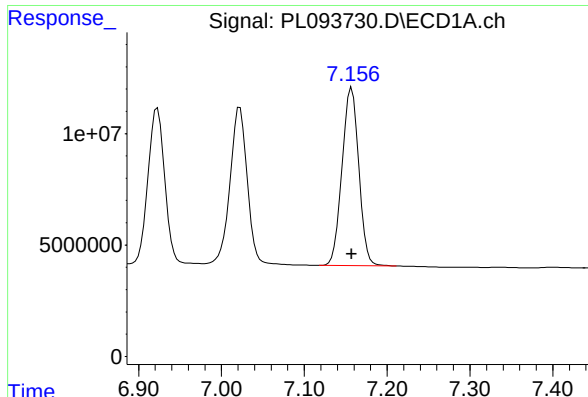
#18 Endrin aldehyde

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



#18 Endrin aldehyde

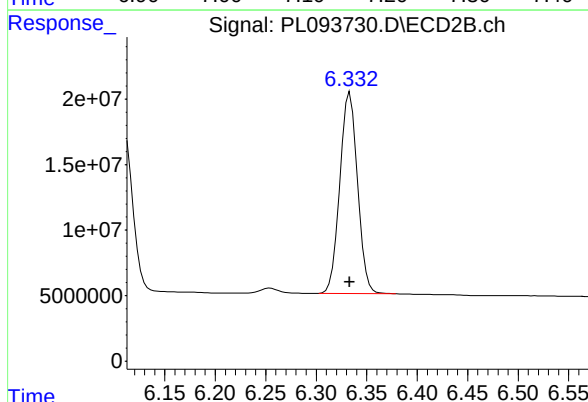
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

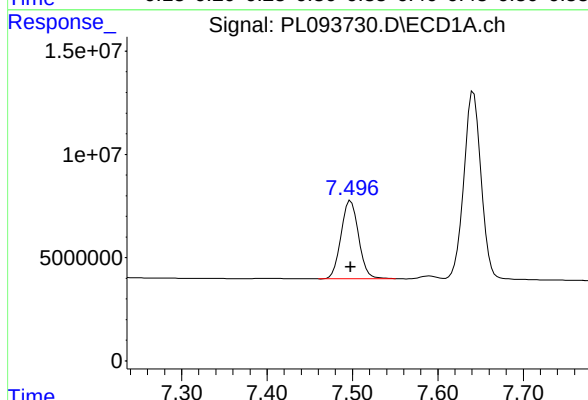
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



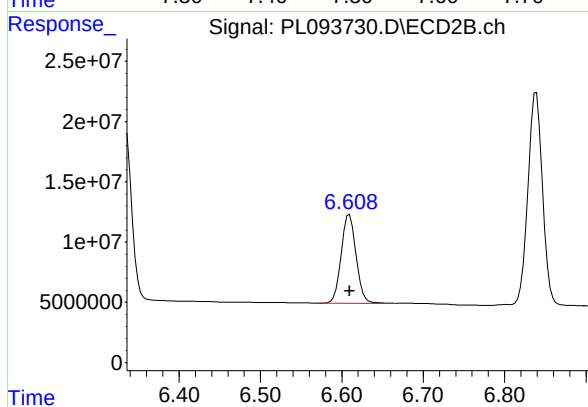
#19 Endosulfan Sulfate

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



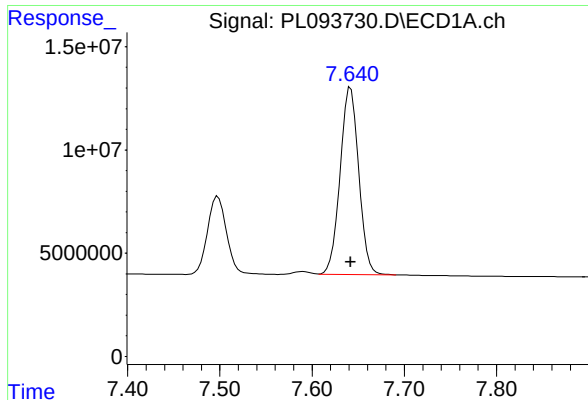
#20 Methoxychlor

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



#20 Methoxychlor

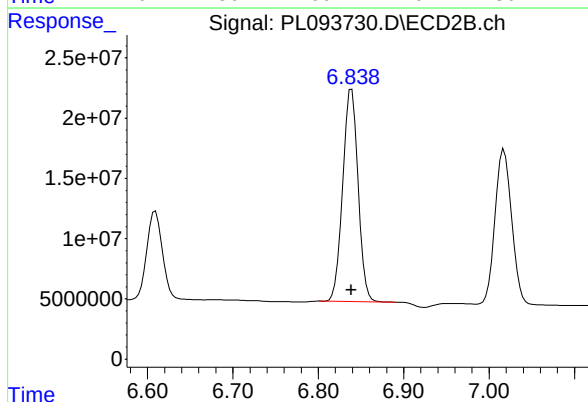
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

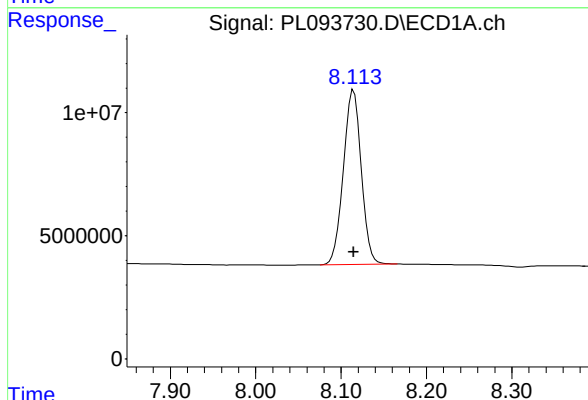
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



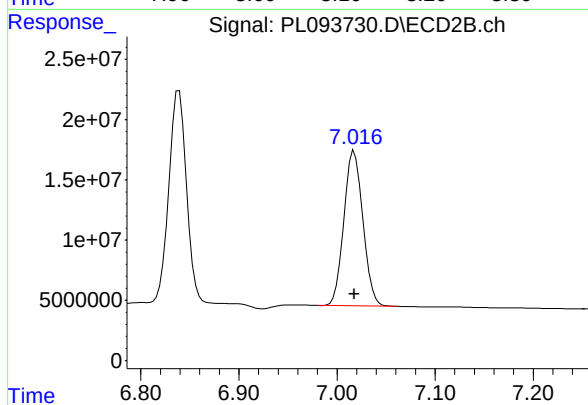
#21 Endrin ketone

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



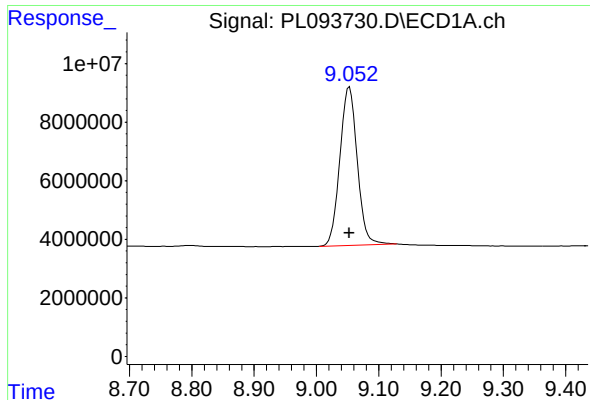
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.053 min

Delta R.T.: 0.000 min

Response: 104915987

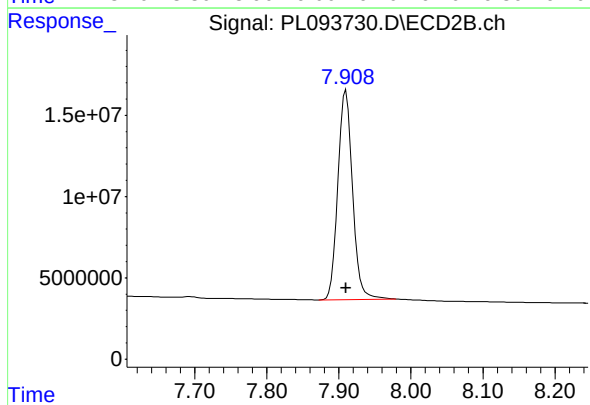
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min

Delta R.T.: 0.000 min

Response: 181351234

Conc: 50.00 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

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

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

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

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

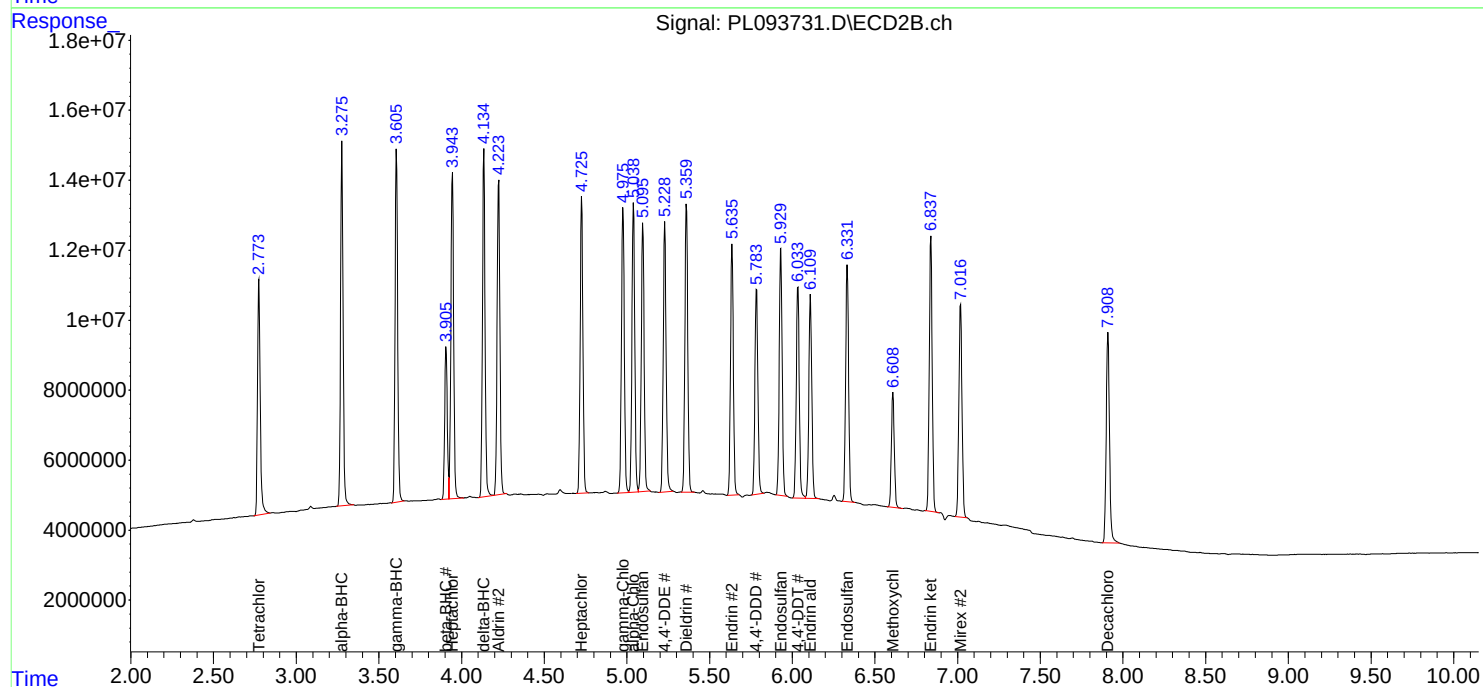
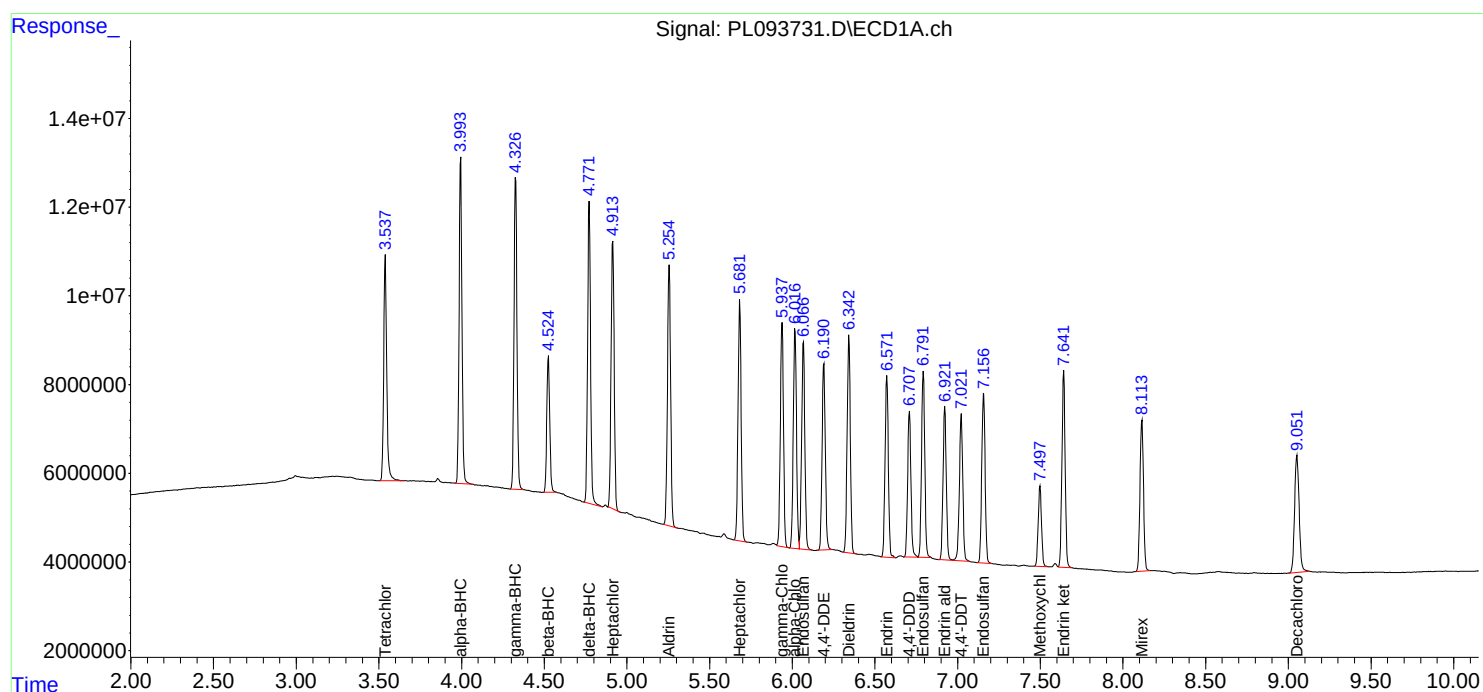
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

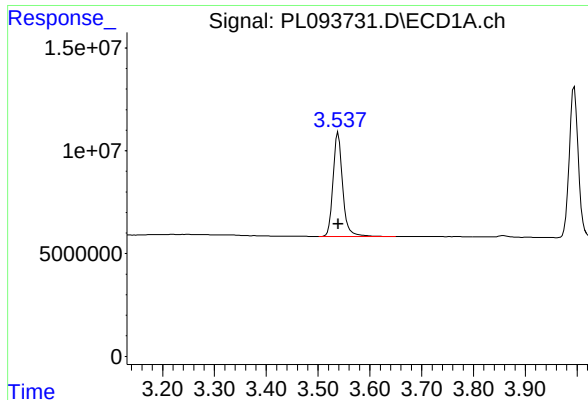
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

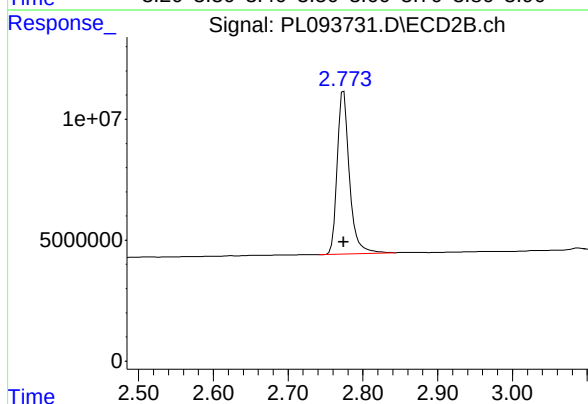




#1 Tetrachloro-m-xylene

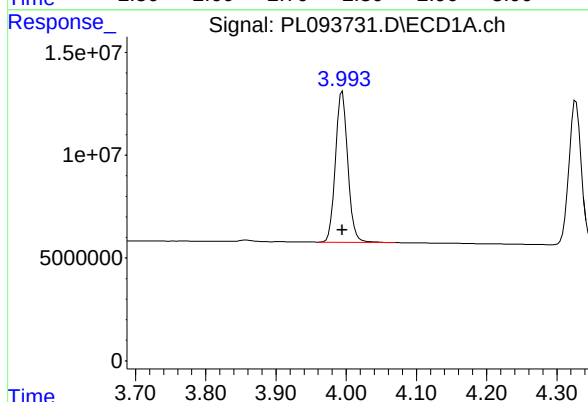
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



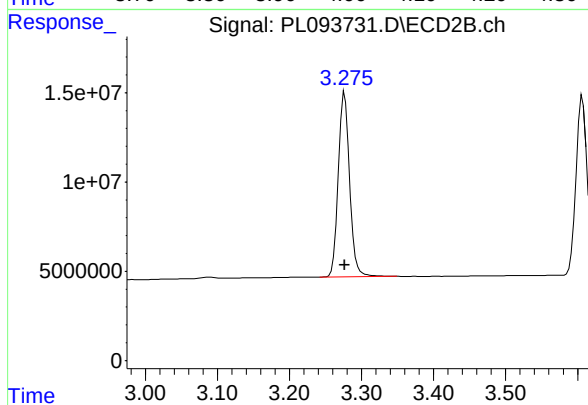
#1 Tetrachloro-m-xylene

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



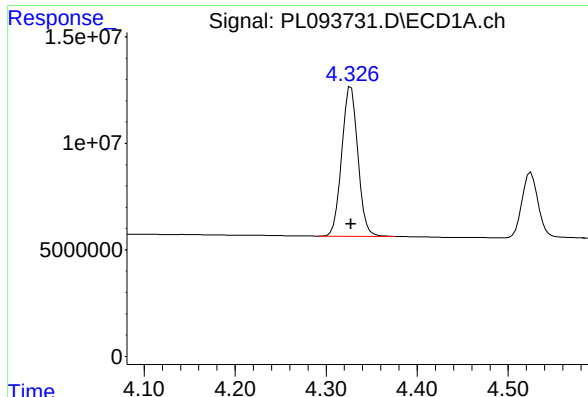
#2 alpha-BHC

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



#2 alpha-BHC

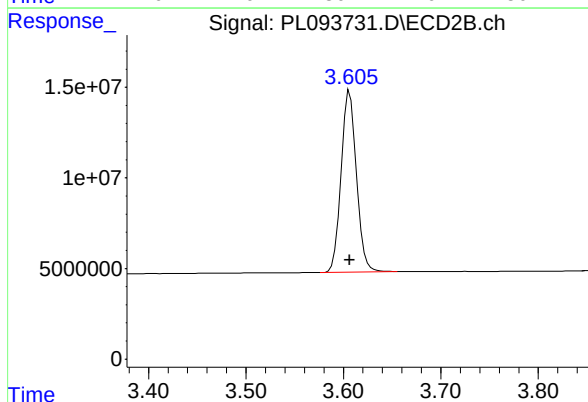
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

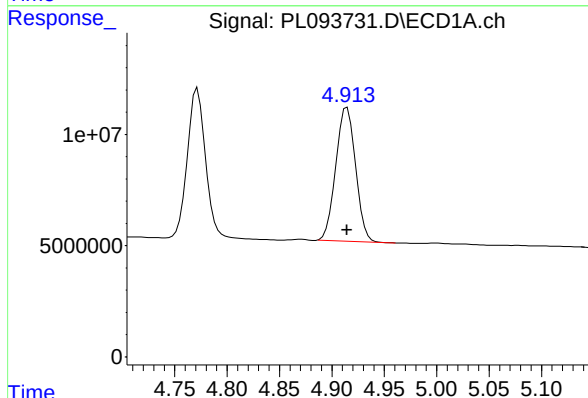
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



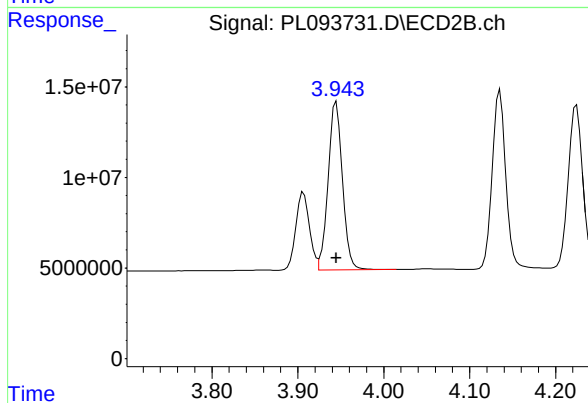
#3 gamma-BHC (Lindane)

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



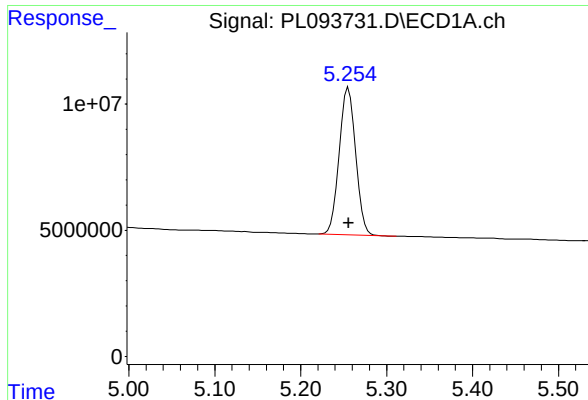
#4 Heptachlor

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



#4 Heptachlor

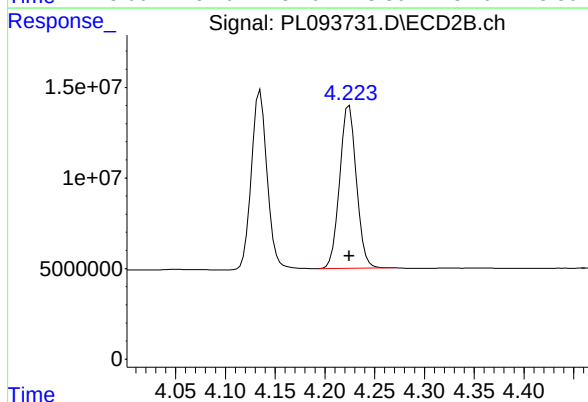
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

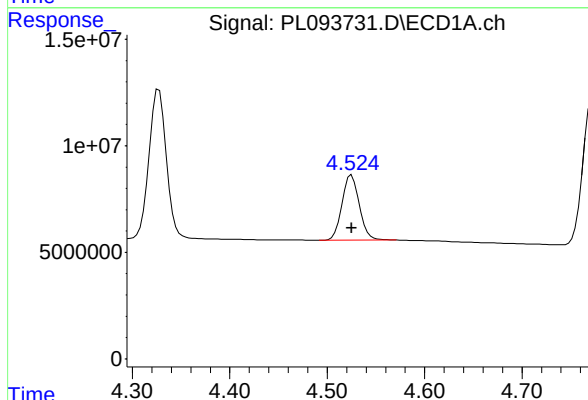
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



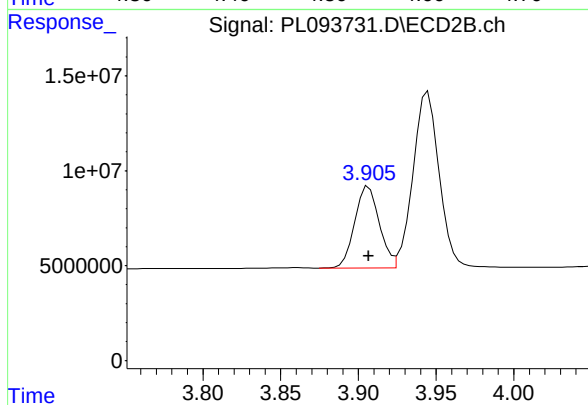
#5 Aldrin

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



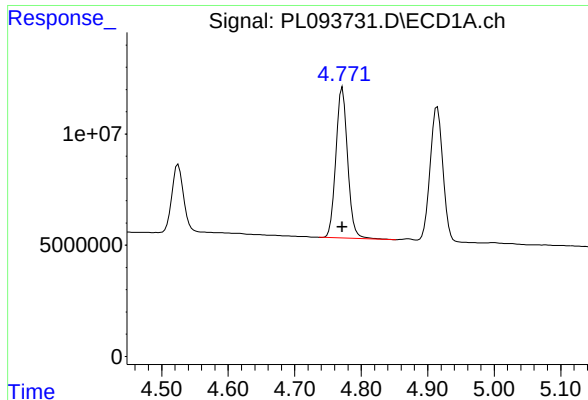
#6 beta-BHC

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



#6 beta-BHC

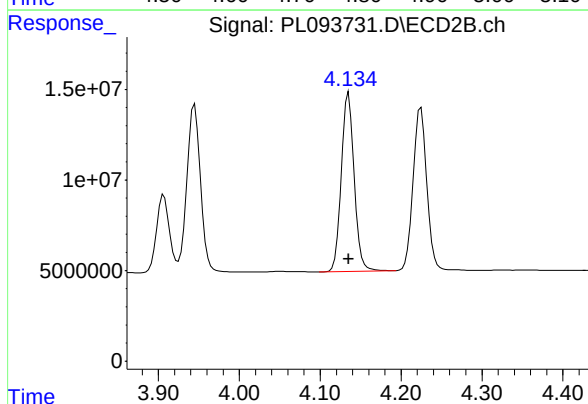
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

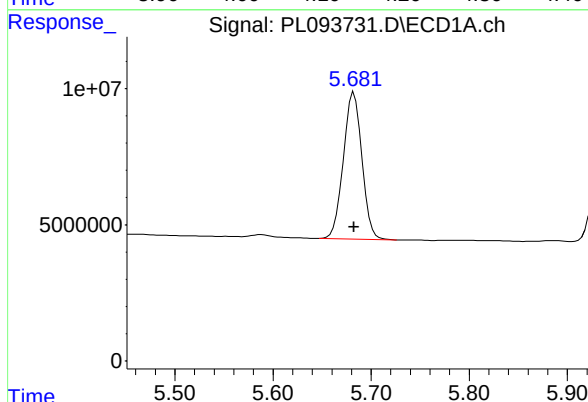
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



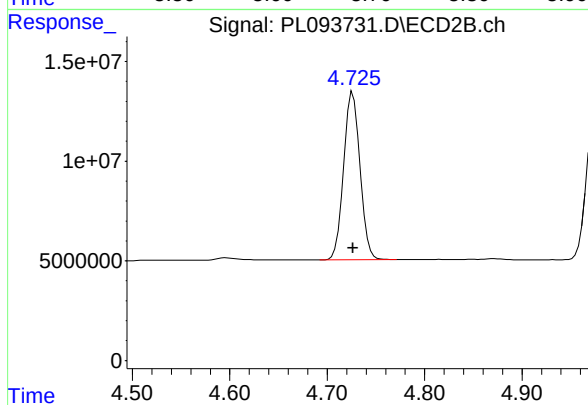
#7 delta-BHC

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



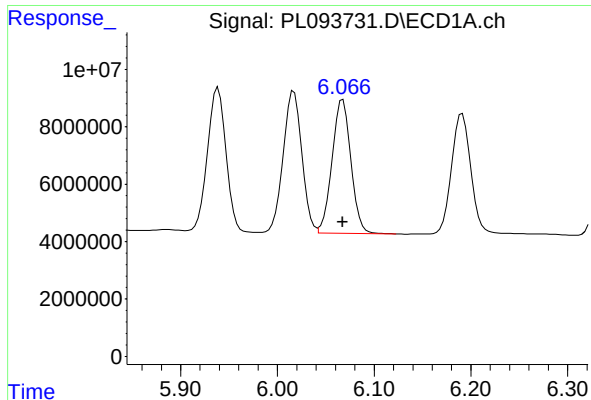
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

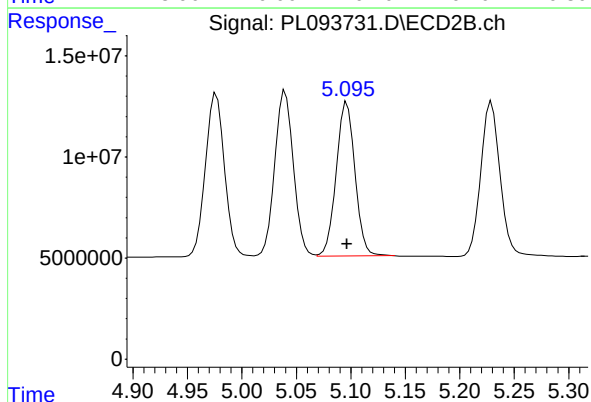
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

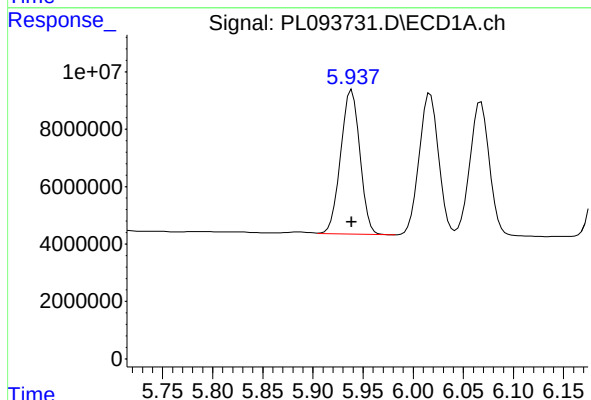
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



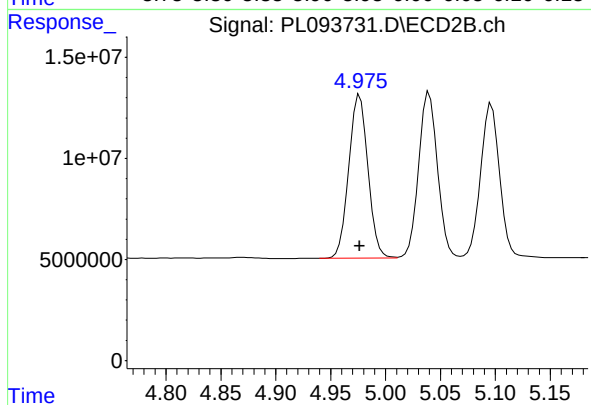
#9 Endosulfan I

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



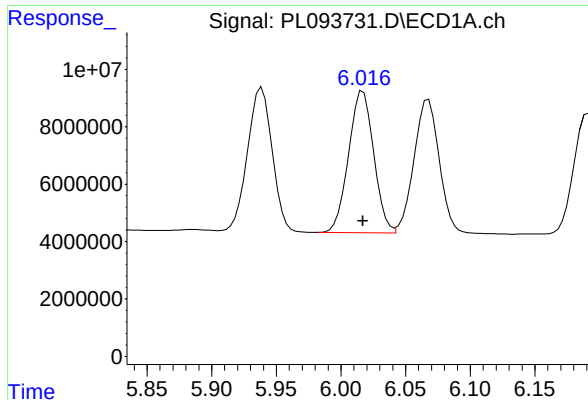
#10 gamma-Chlordane

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



#10 gamma-Chlordane

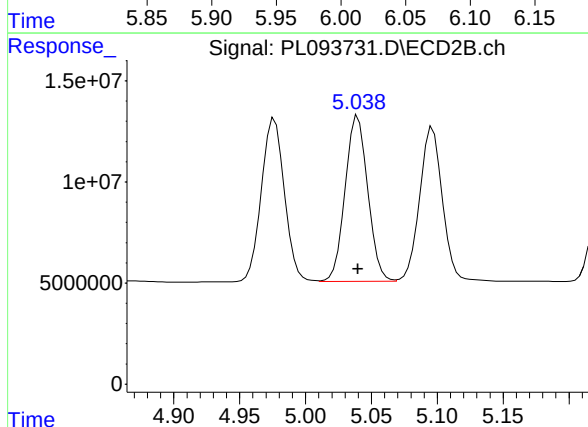
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

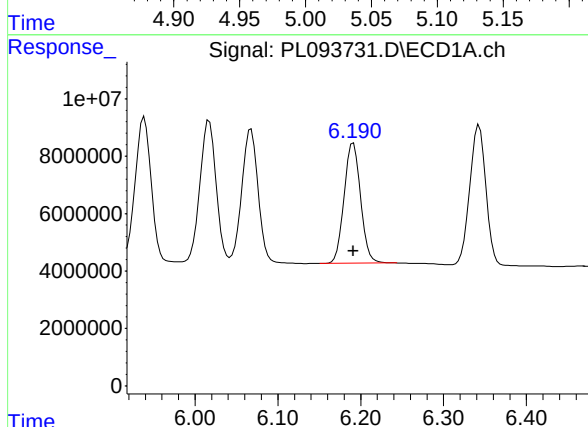
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



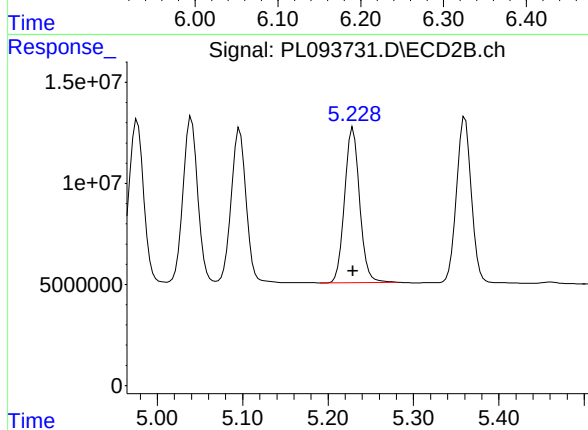
#11 alpha-Chlordane

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



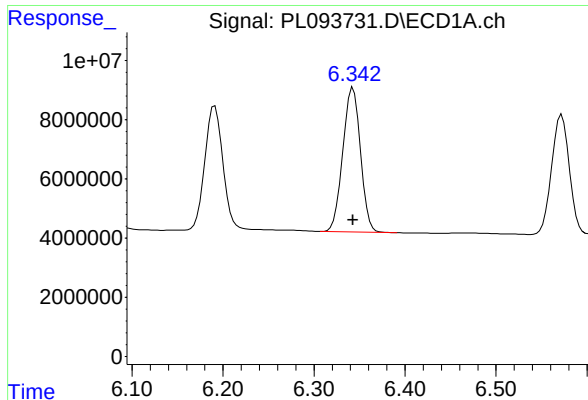
#12 4,4'-DDE

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



#12 4,4'-DDE

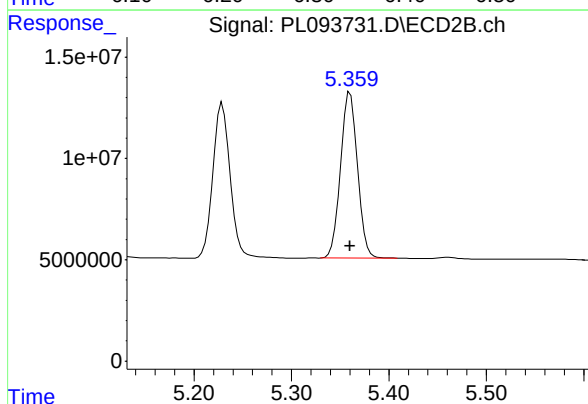
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

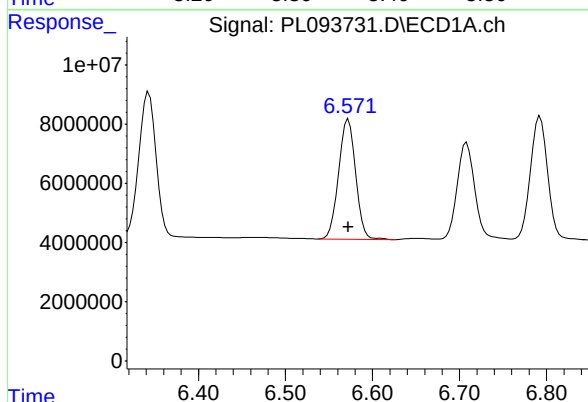
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



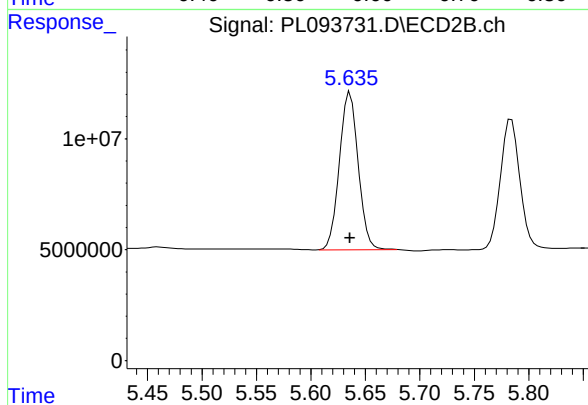
#13 Dieldrin

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



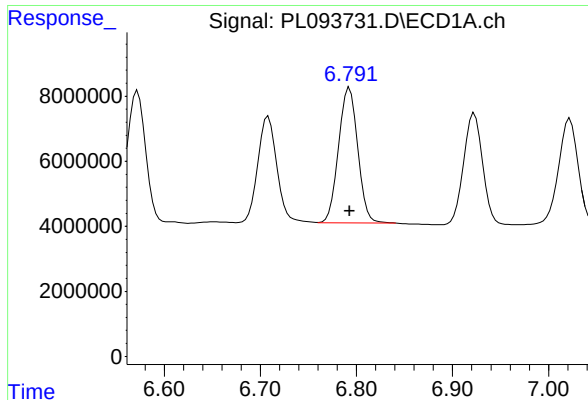
#14 Endrin

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



#14 Endrin

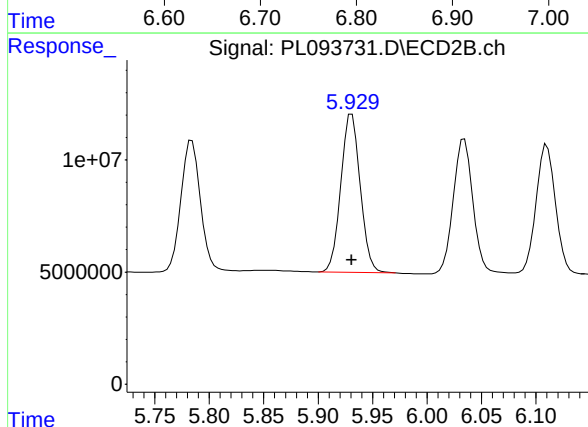
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

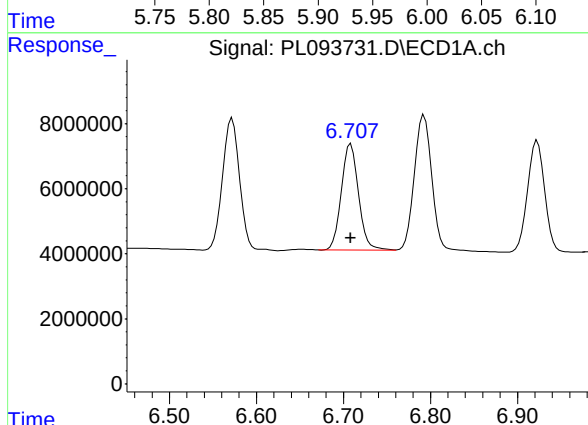
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 57195569
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



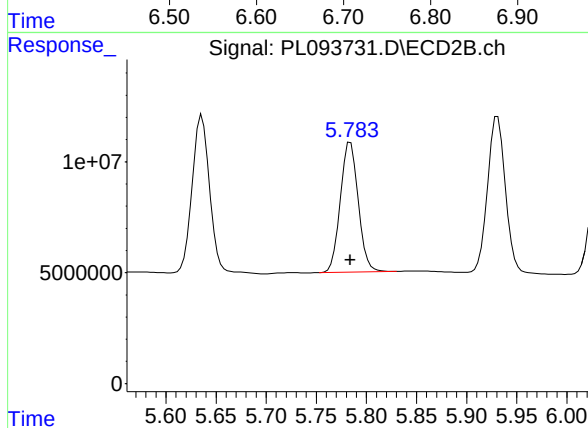
#15 Endosulfan II

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



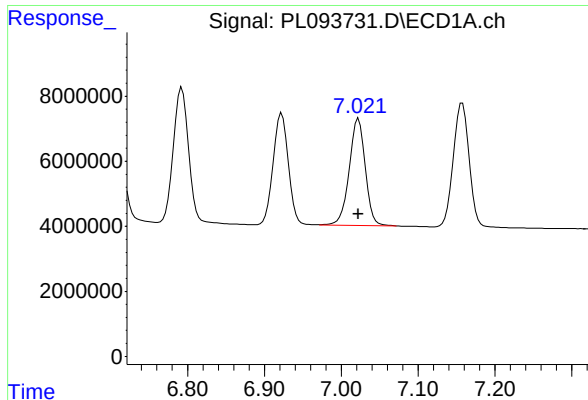
#16 4,4'-DDD

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



#16 4,4'-DDD

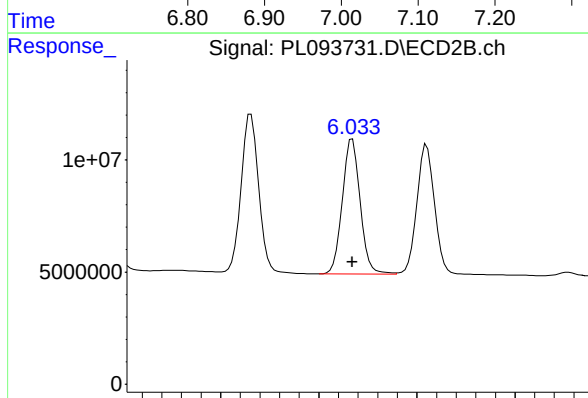
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

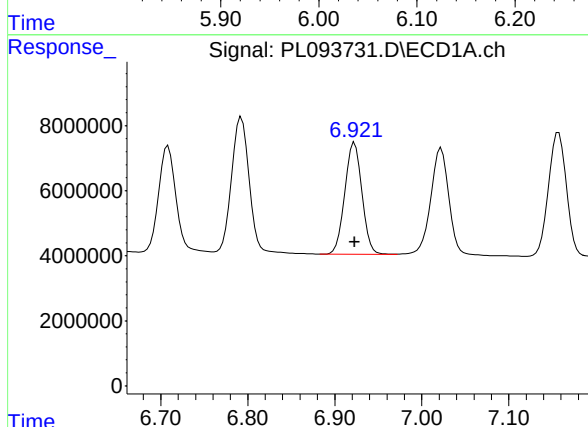
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



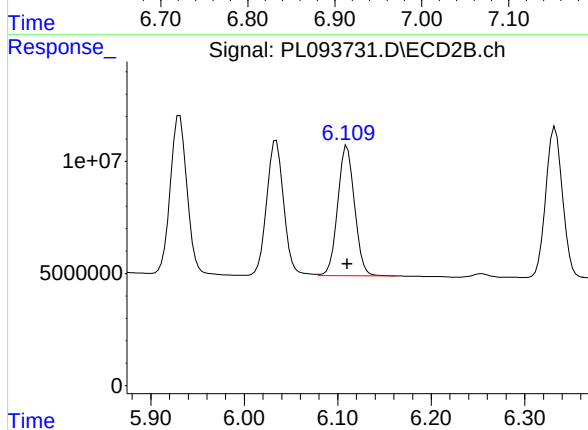
#17 4,4'-DDT

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



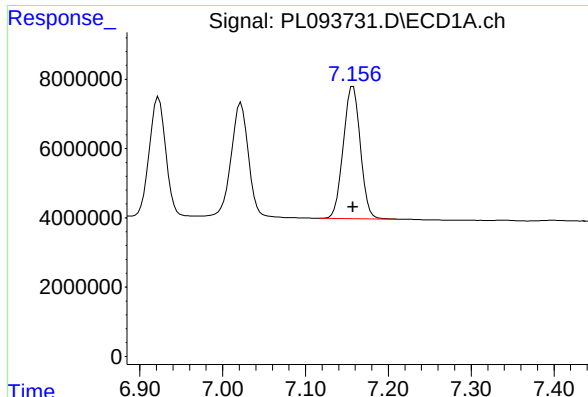
#18 Endrin aldehyde

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



#18 Endrin aldehyde

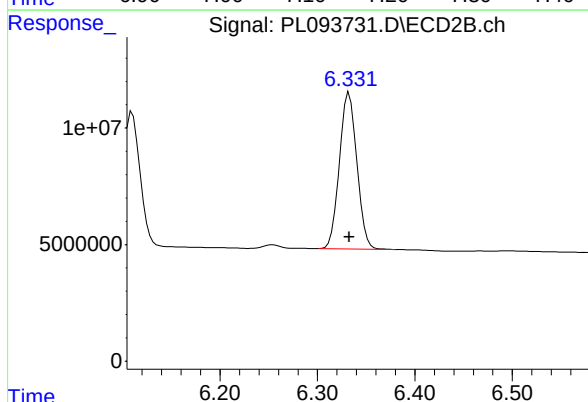
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

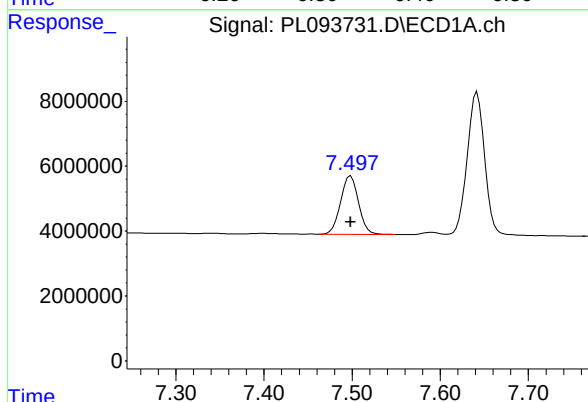
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



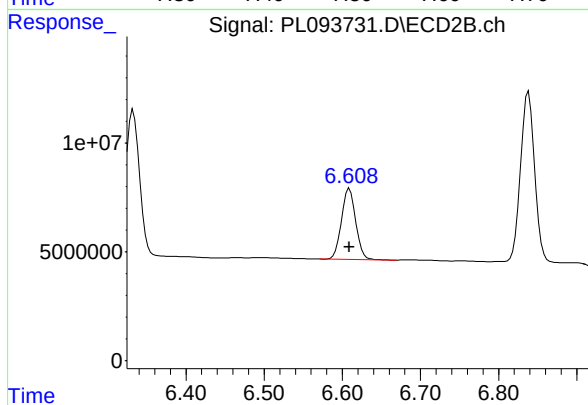
#19 Endosulfan Sulfate

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



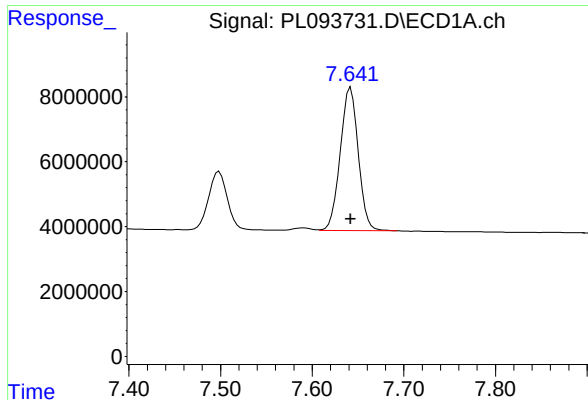
#20 Methoxychlor

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



#20 Methoxychlor

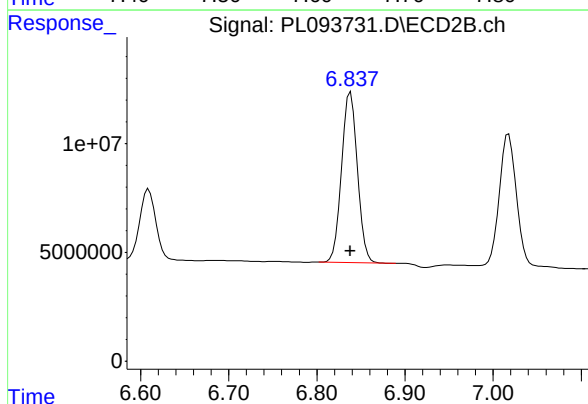
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

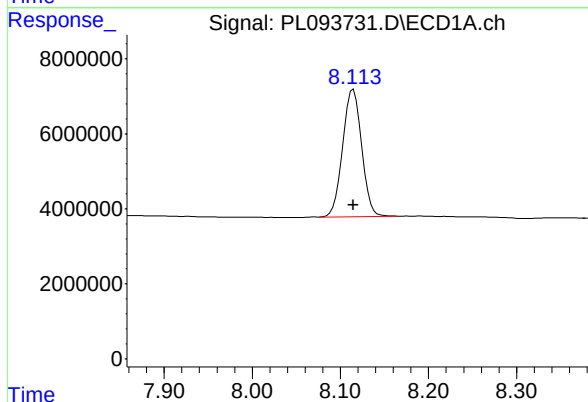
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 60347677
Conc: 25.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



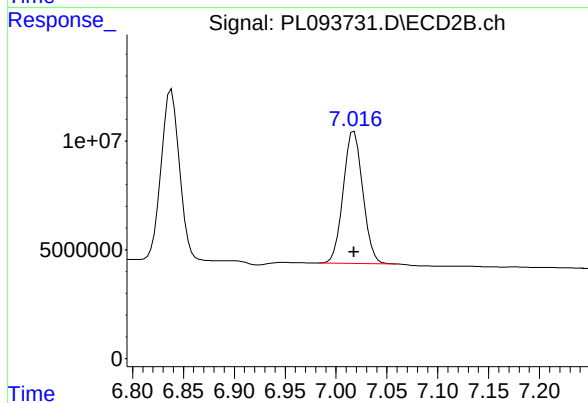
#21 Endrin ketone

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



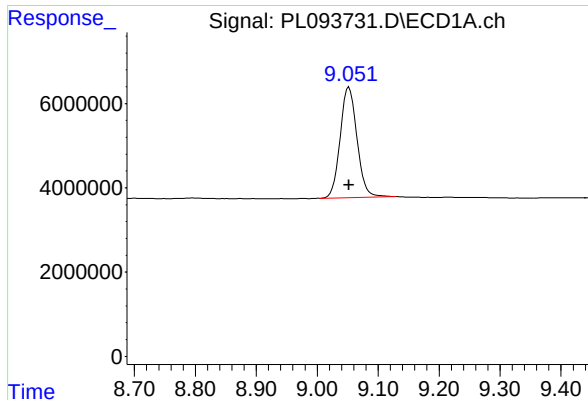
#22 Mirex

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



#22 Mirex

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

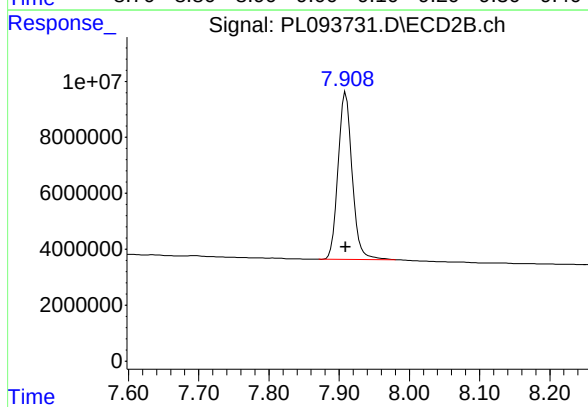


#28 Decachlorobiphenyl

ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

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

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

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

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

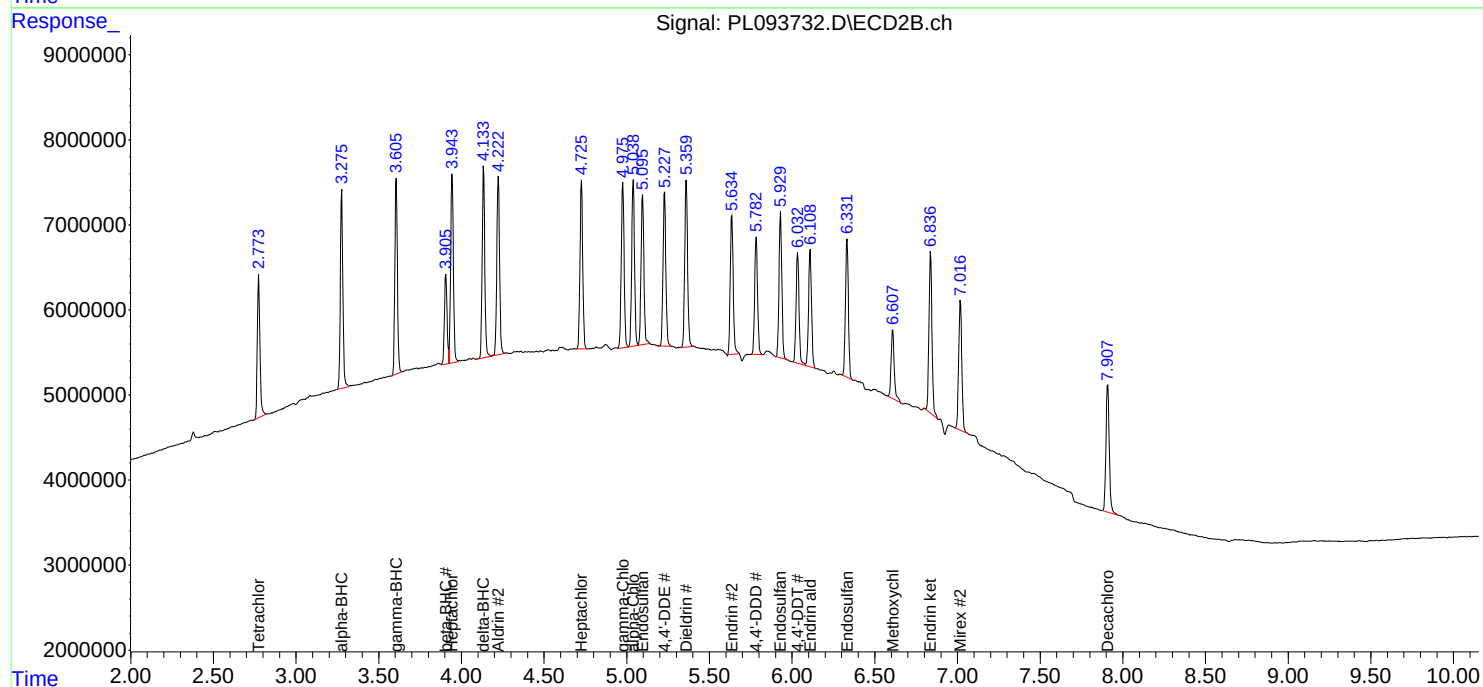
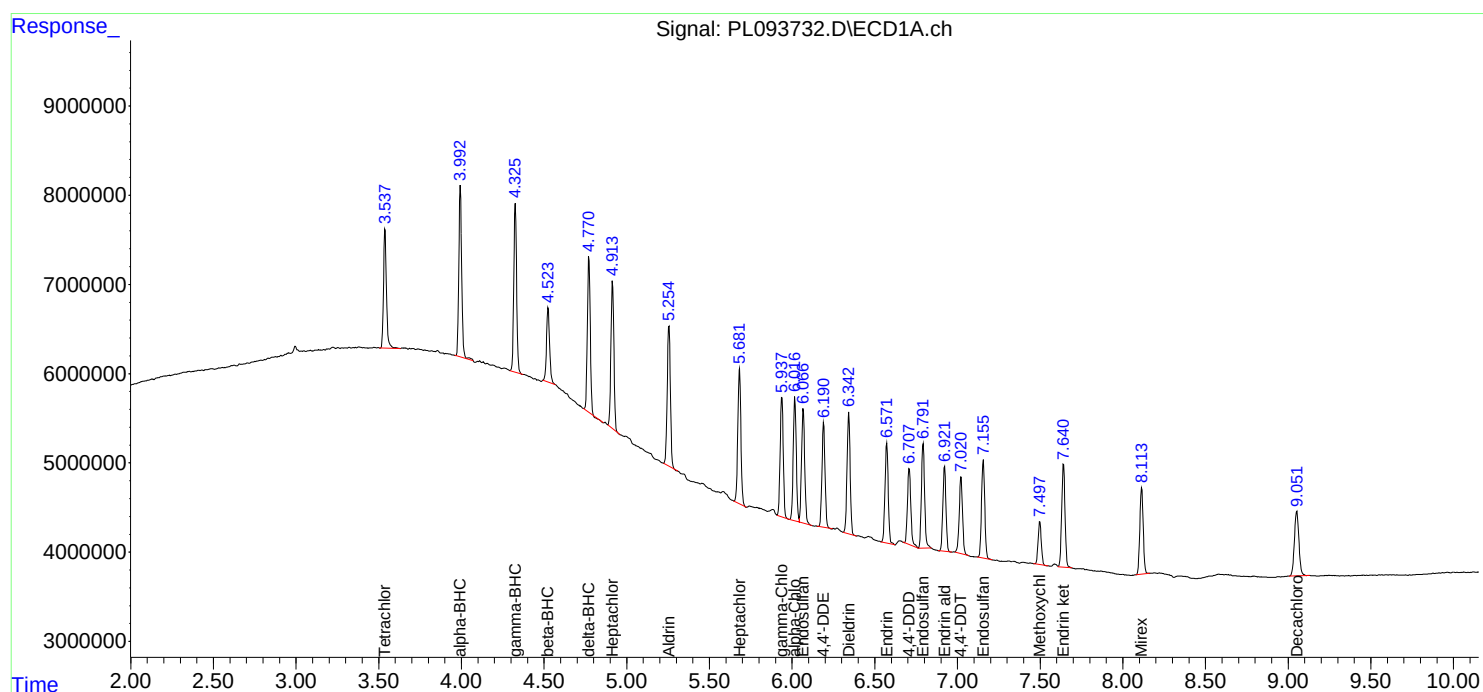
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

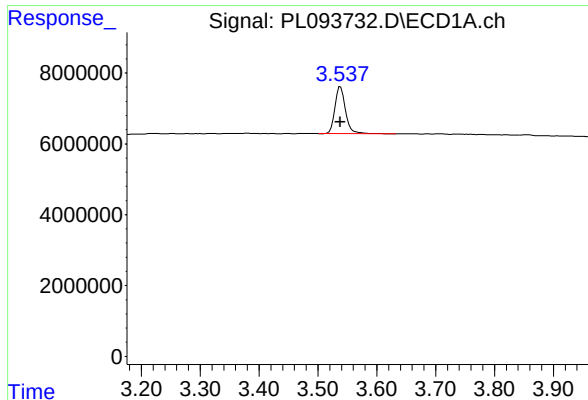
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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

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

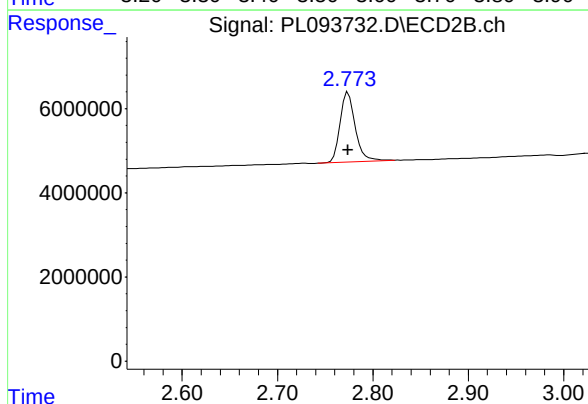




#1 Tetrachloro-m-xylene

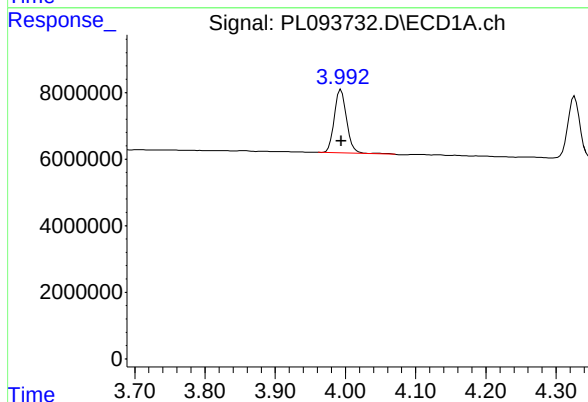
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



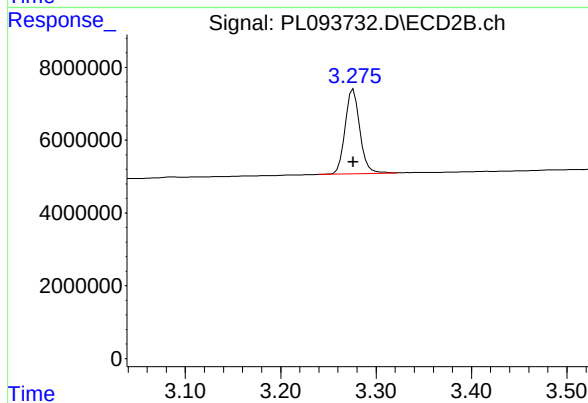
#1 Tetrachloro-m-xylene

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



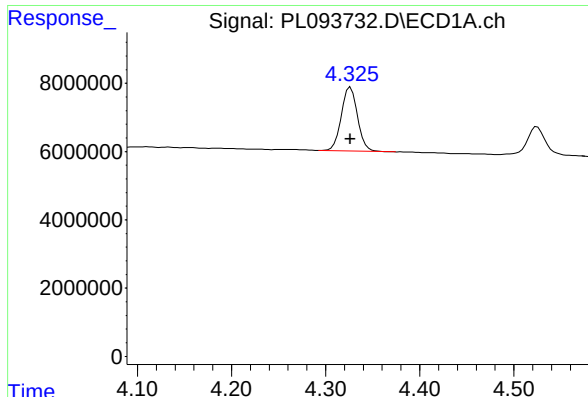
#2 alpha-BHC

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



#2 alpha-BHC

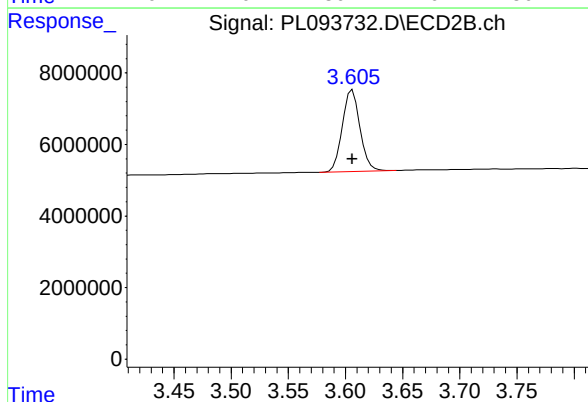
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

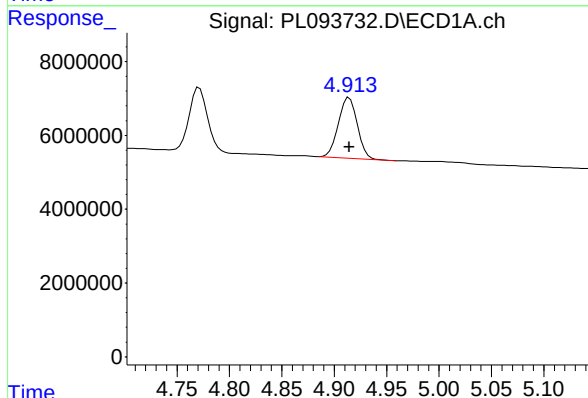
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



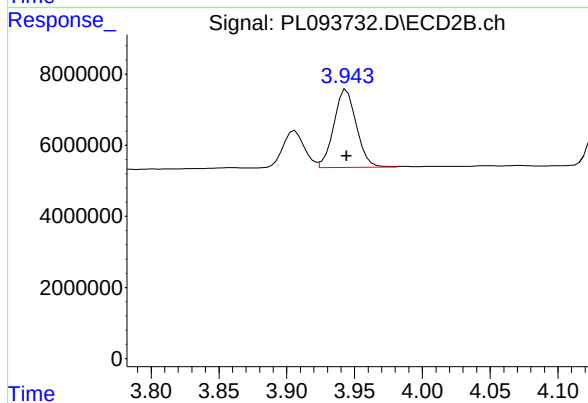
#3 gamma-BHC (Lindane)

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



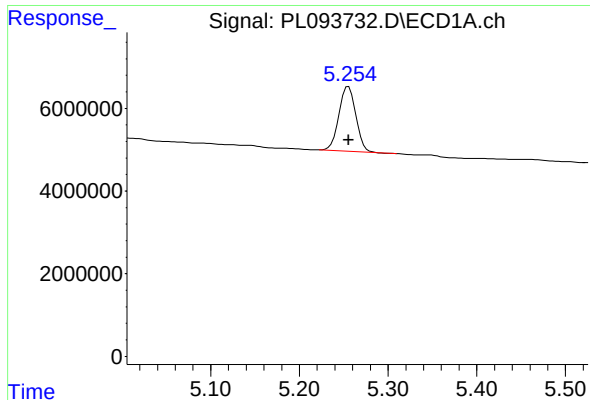
#4 Heptachlor

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



#4 Heptachlor

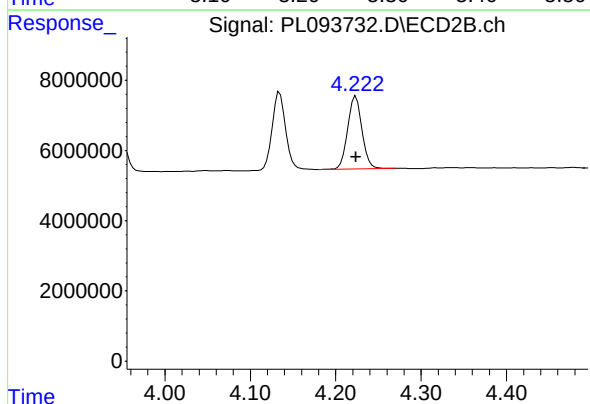
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

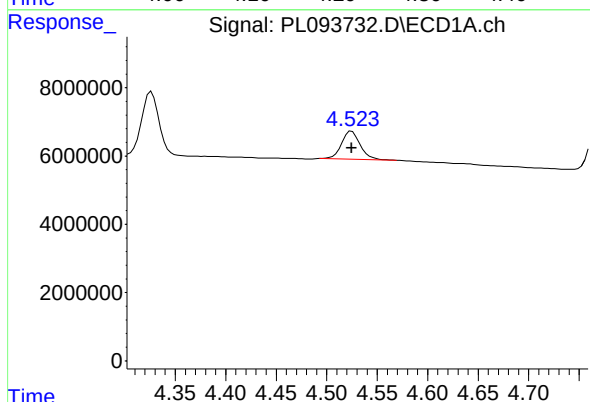
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



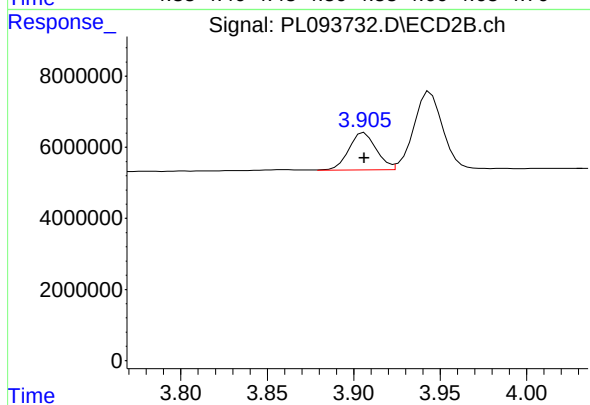
#5 Aldrin

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



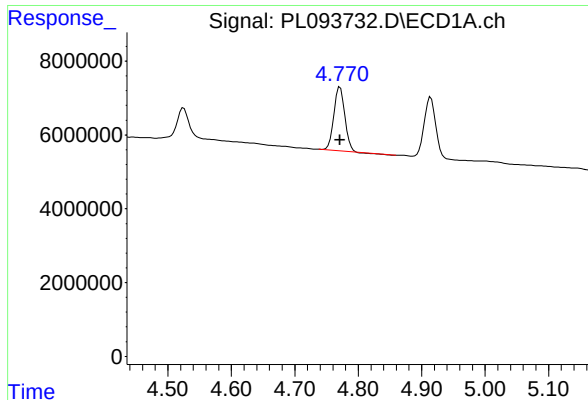
#6 beta-BHC

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



#6 beta-BHC

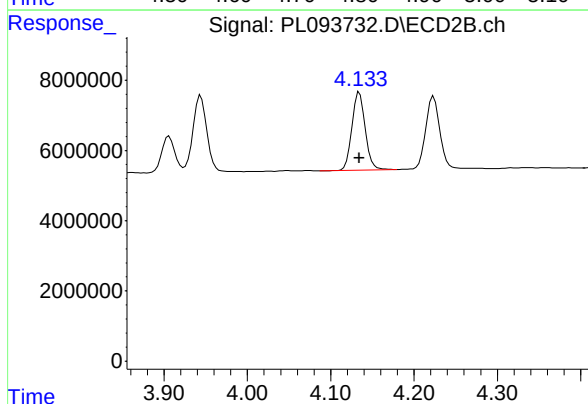
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

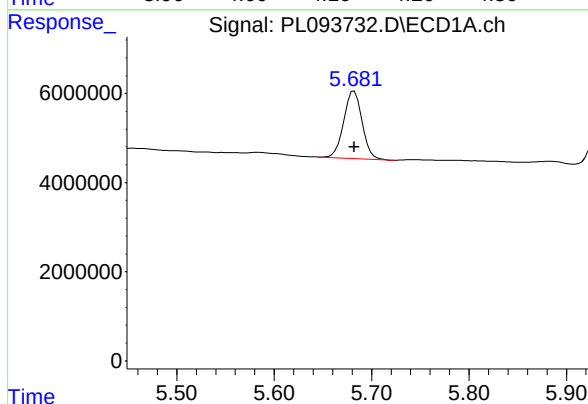
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



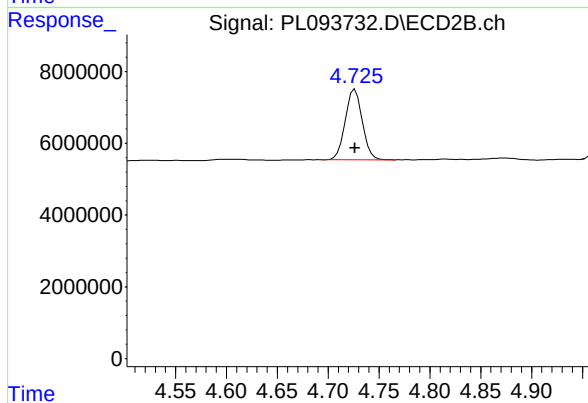
#7 delta-BHC

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



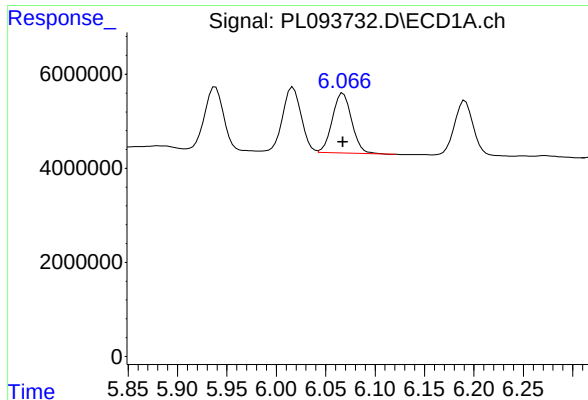
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

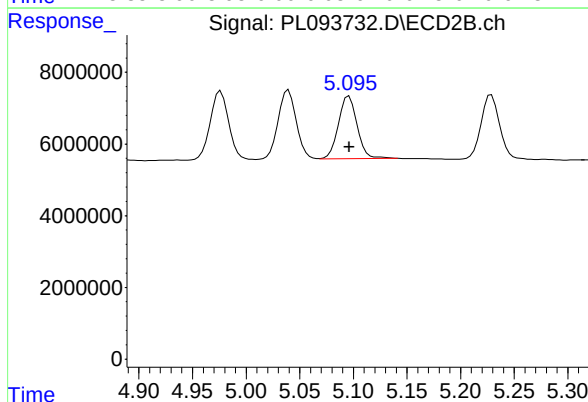
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

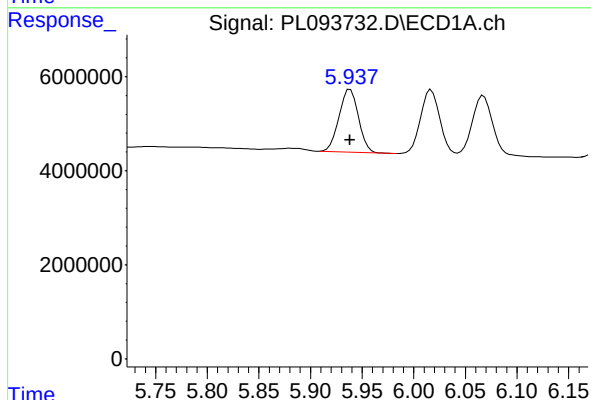
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



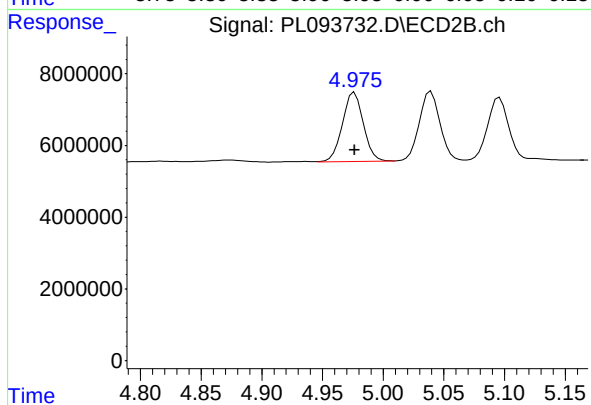
#9 Endosulfan I

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



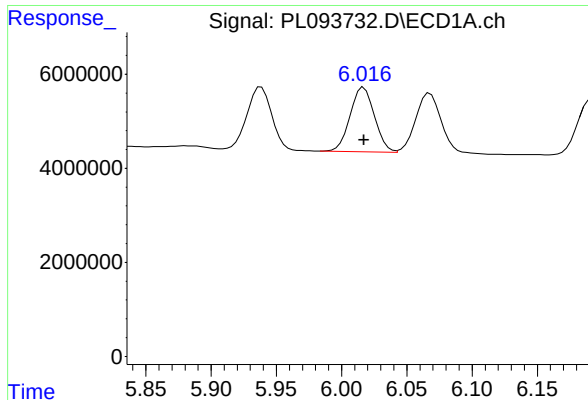
#10 gamma-Chlordane

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



#10 gamma-Chlordane

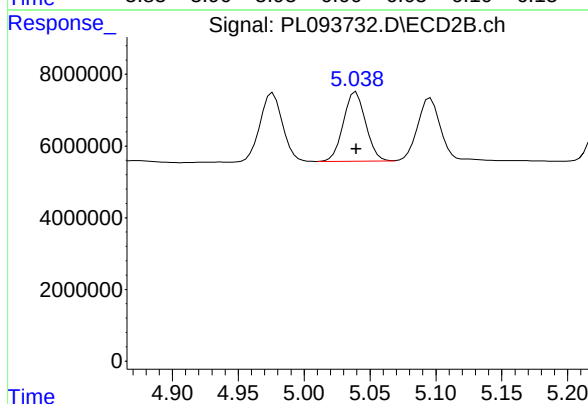
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

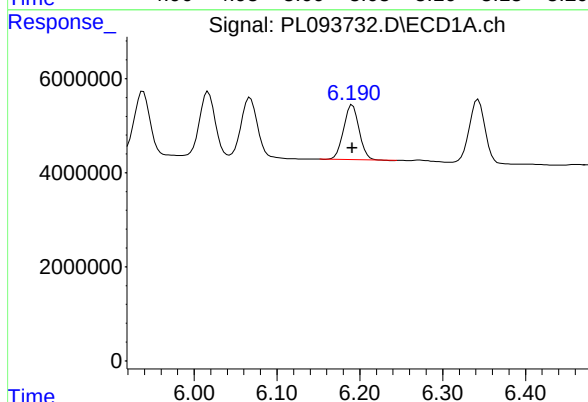
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 17853432
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



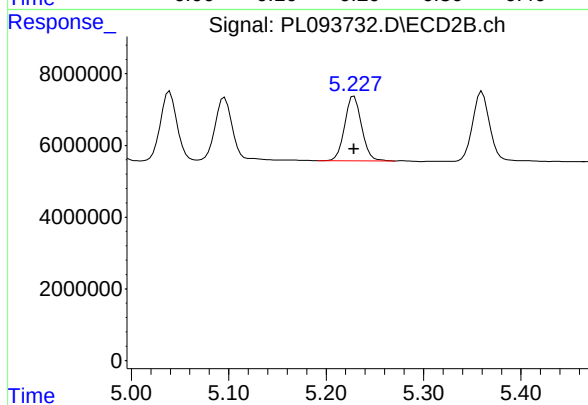
#11 alpha-Chlordane

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



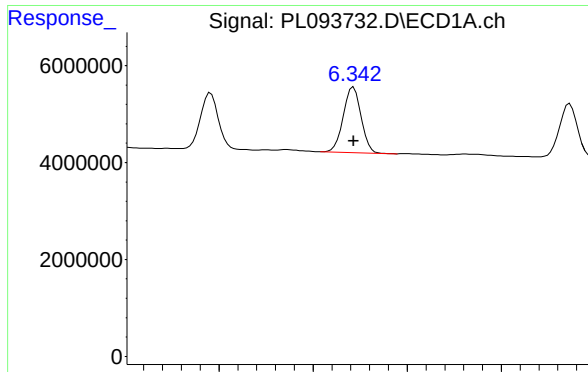
#12 4,4'-DDE

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



#12 4,4'-DDE

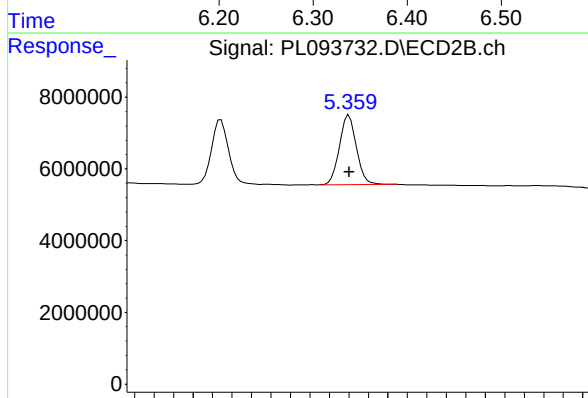
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

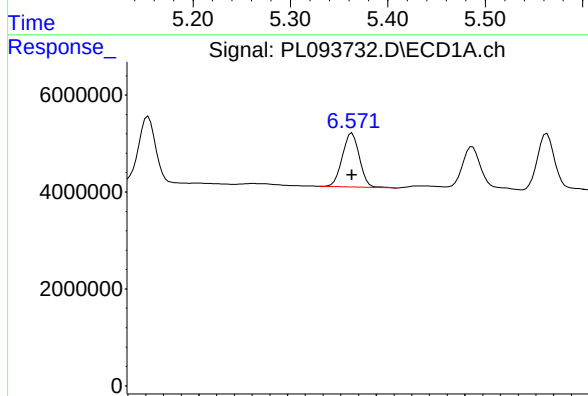
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



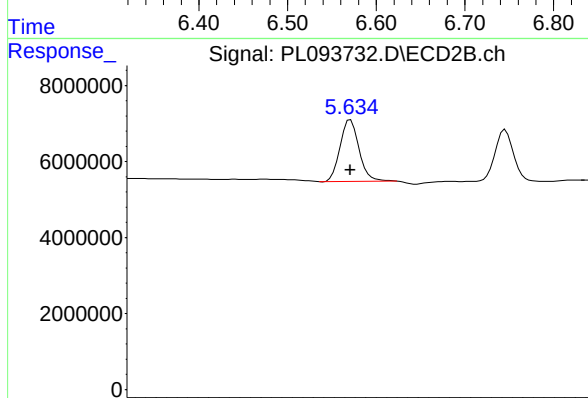
#13 Dieldrin

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



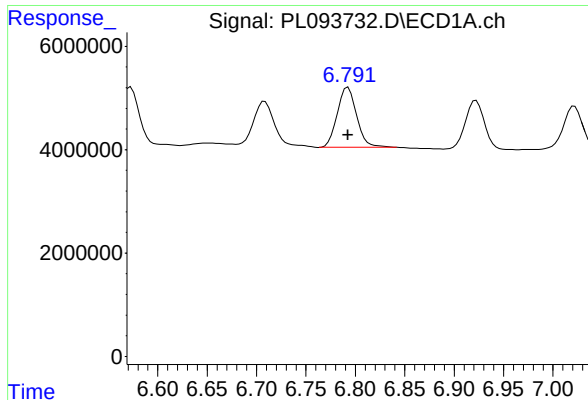
#14 Endrin

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



#14 Endrin

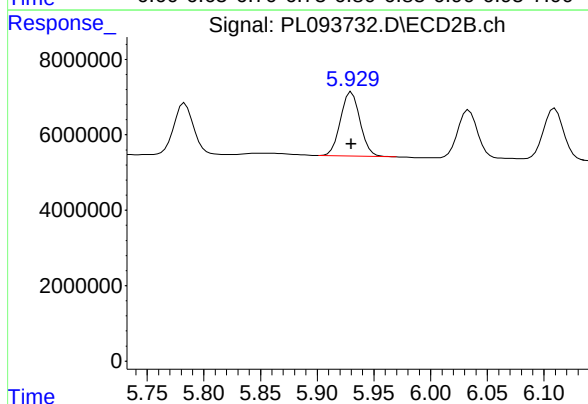
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

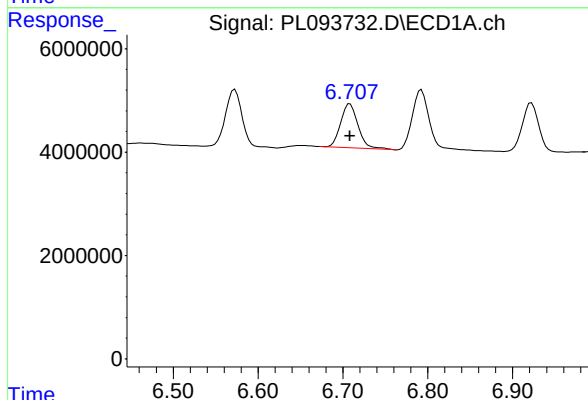
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 15801314
Conc: 6.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



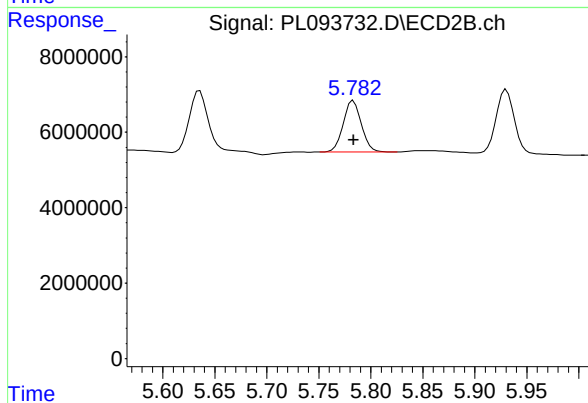
#15 Endosulfan II

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



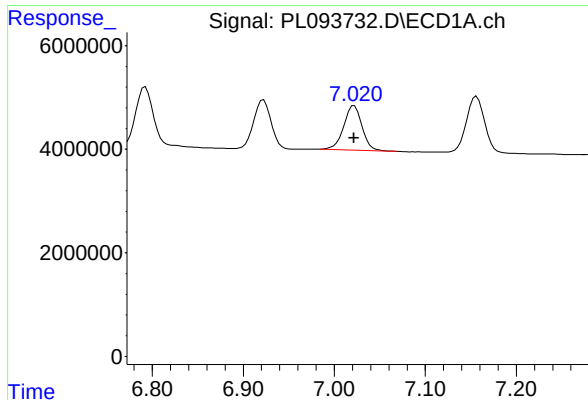
#16 4,4'-DDD

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



#16 4,4'-DDD

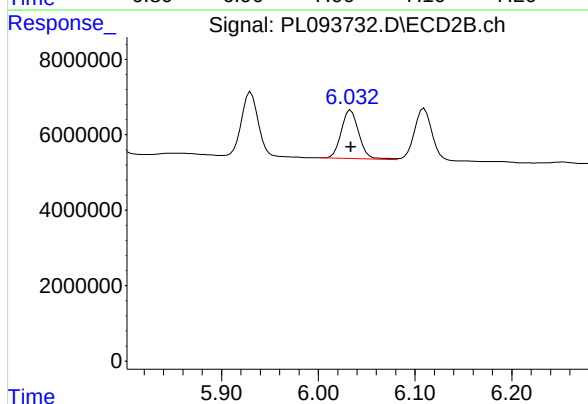
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

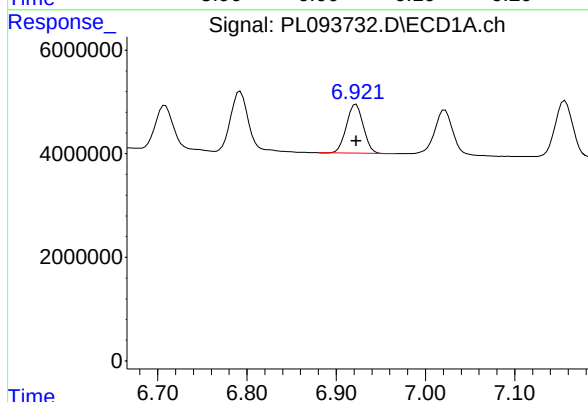
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



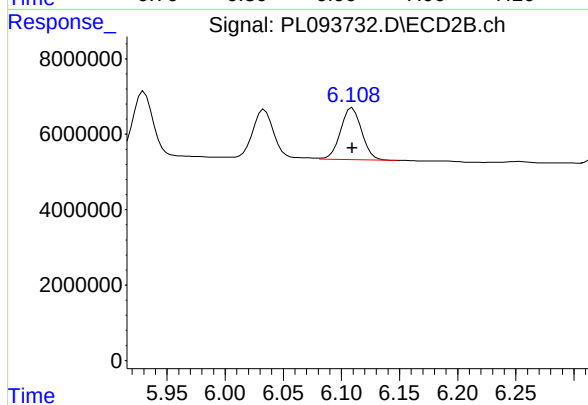
#17 4,4'-DDT

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



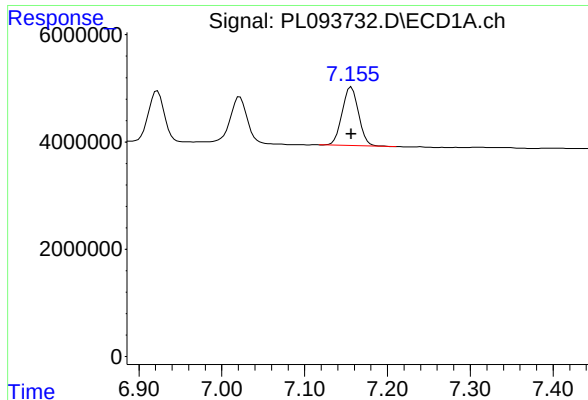
#18 Endrin aldehyde

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



#18 Endrin aldehyde

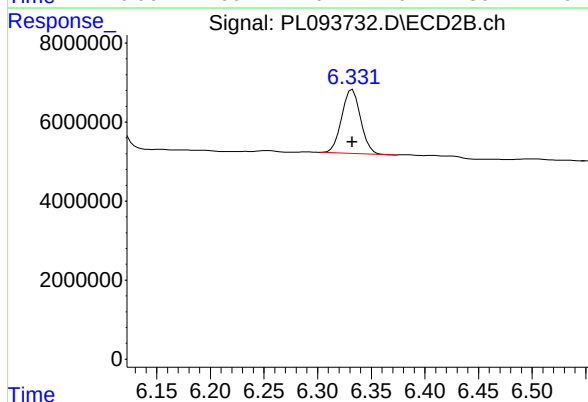
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

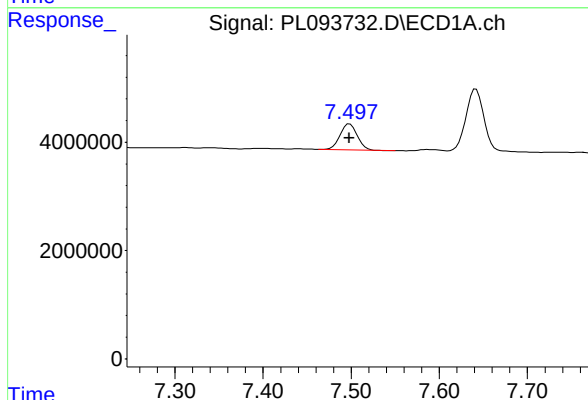
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



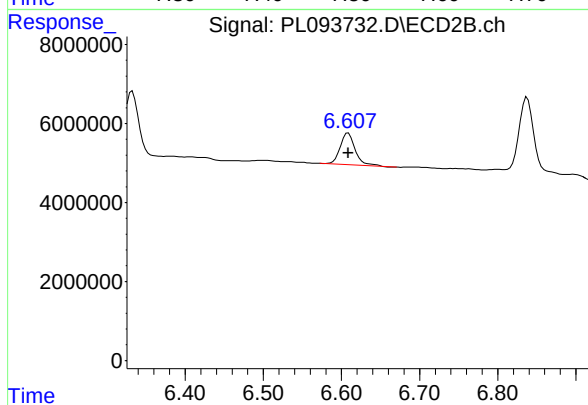
#19 Endosulfan Sulfate

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



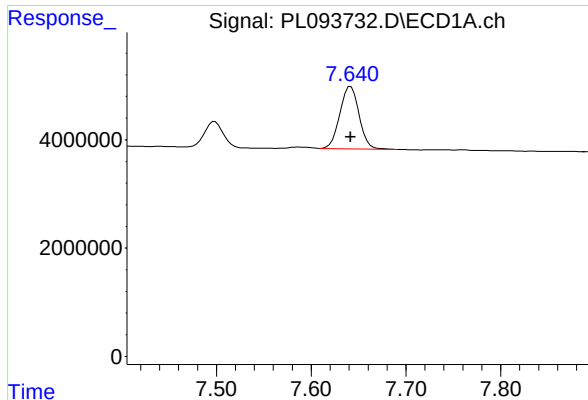
#20 Methoxychlor

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



#20 Methoxychlor

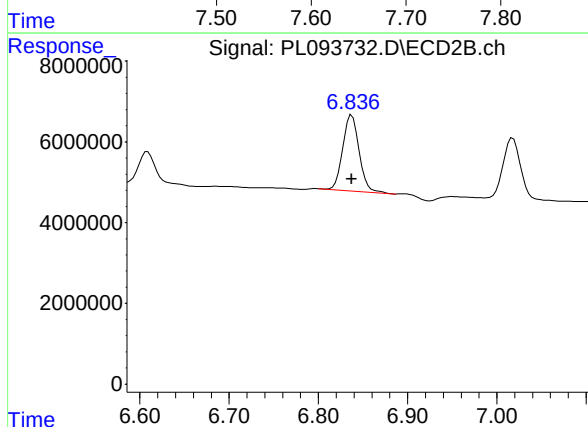
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

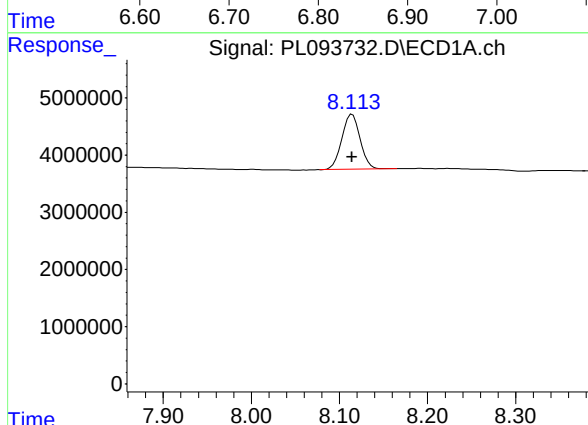
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 16285626
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



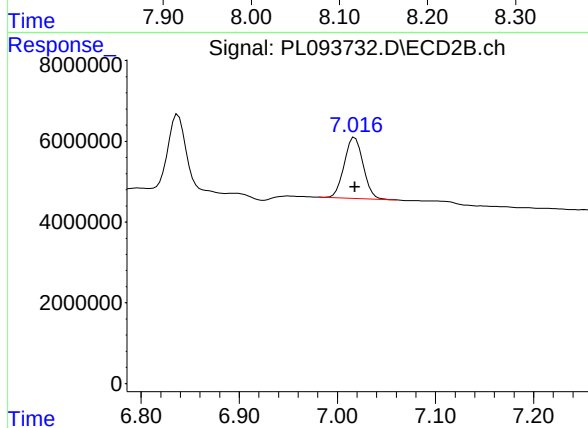
#21 Endrin ketone

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



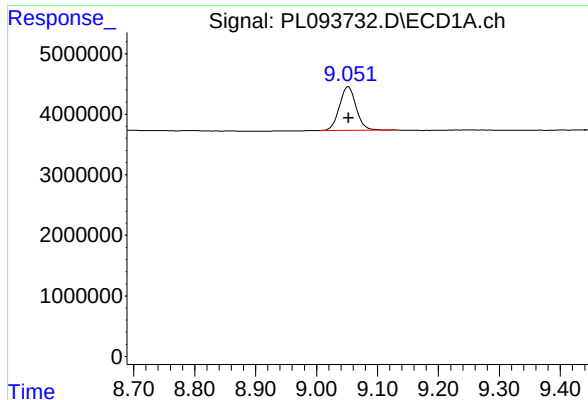
#22 Mirex

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



#22 Mirex

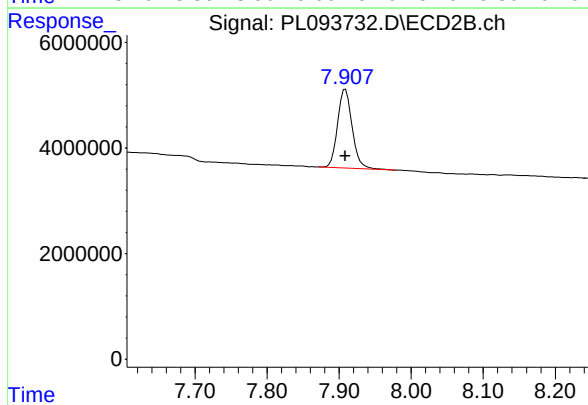
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

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

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

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

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

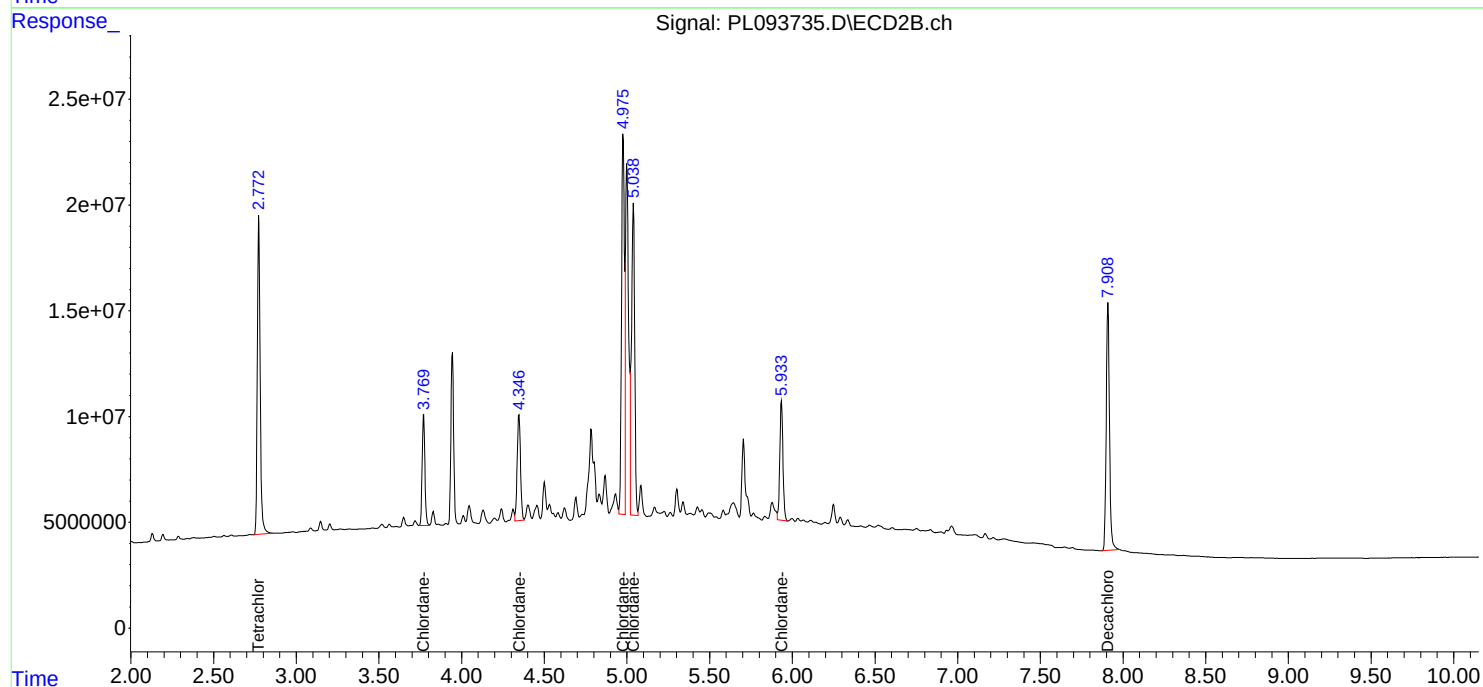
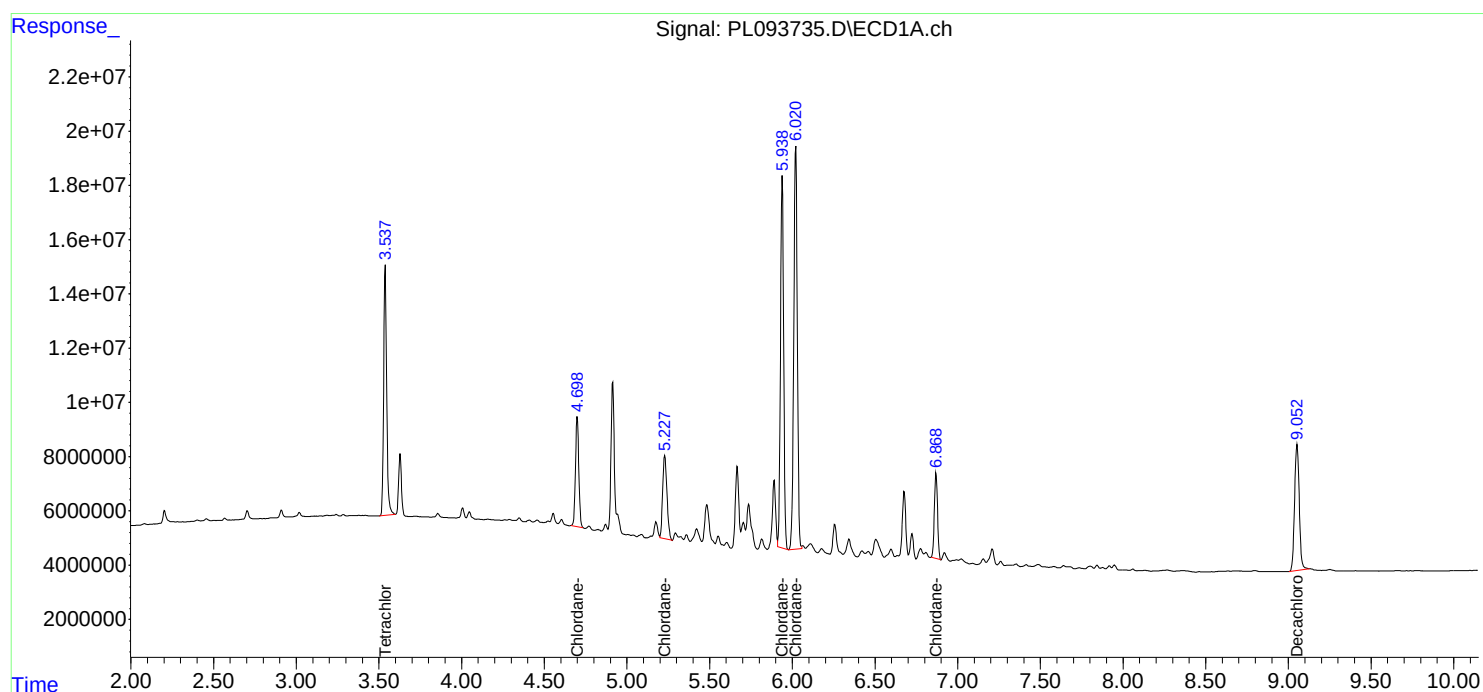
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

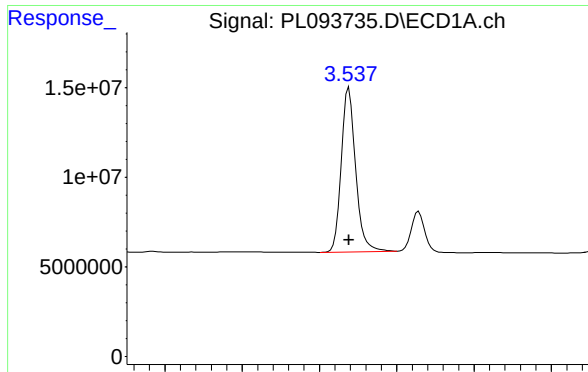
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

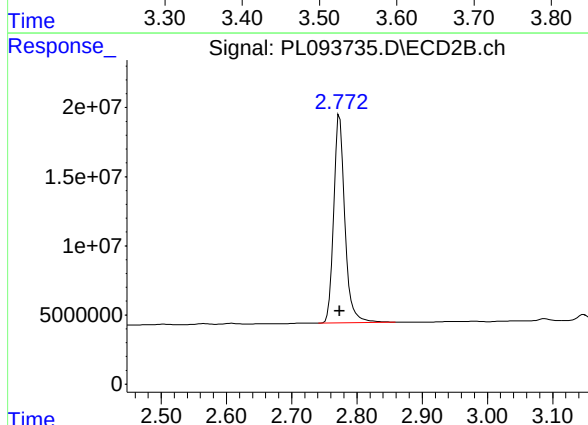




#1 Tetrachloro-m-xylene

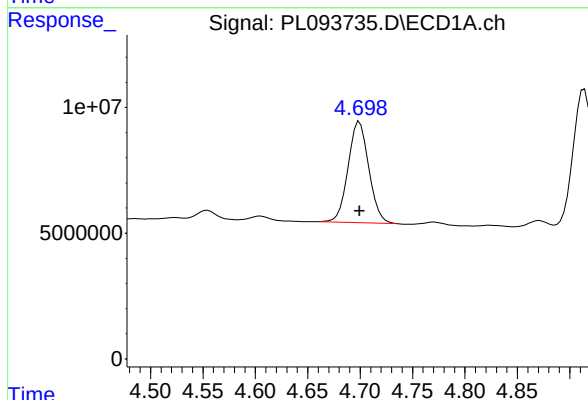
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



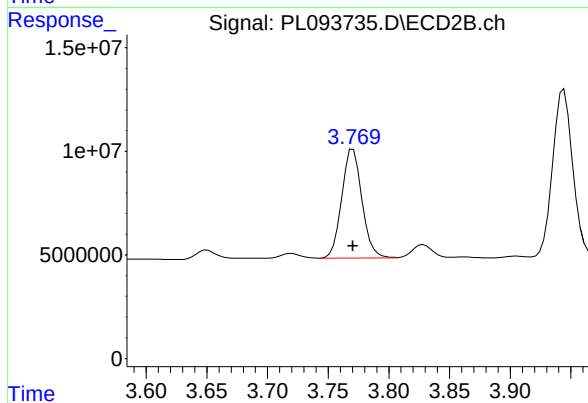
#1 Tetrachloro-m-xylene

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



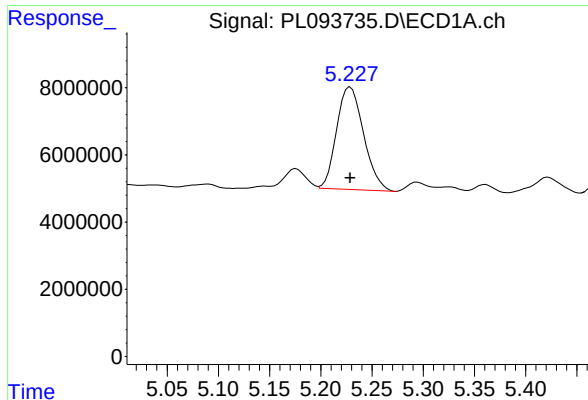
#23 Chlordane-1

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



#23 Chlordane-1

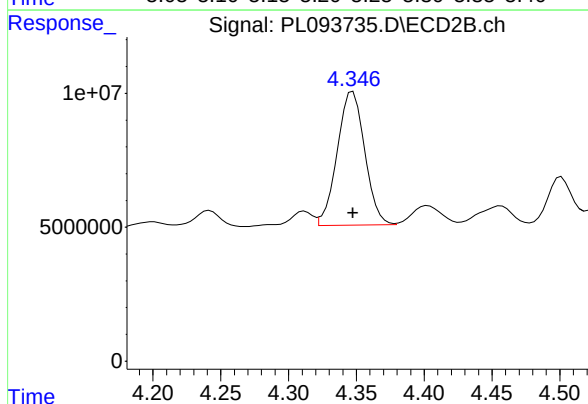
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

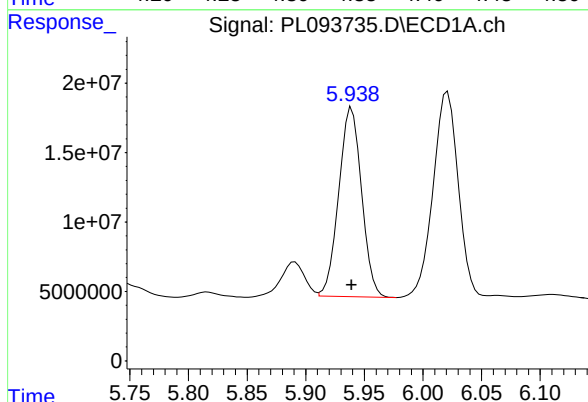
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 55911116
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



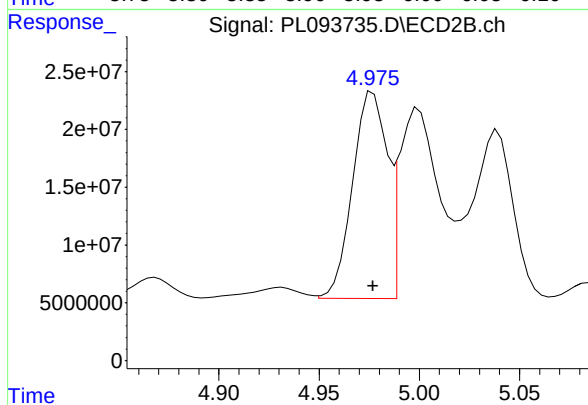
#24 Chlordane-2

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



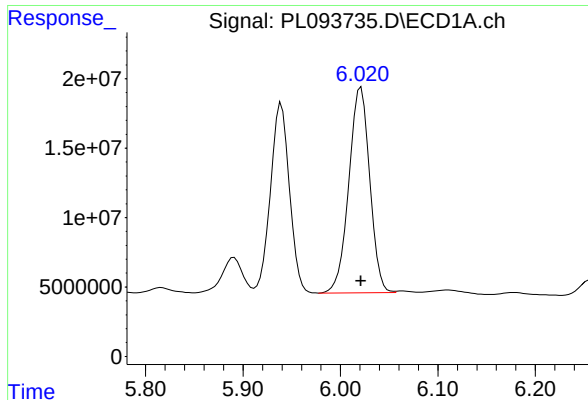
#25 Chlordane-3

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



#25 Chlordane-3

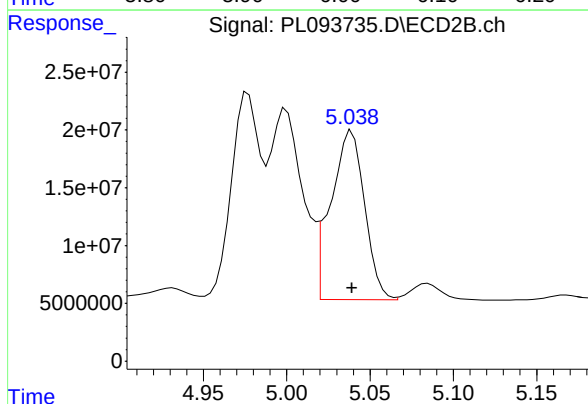
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

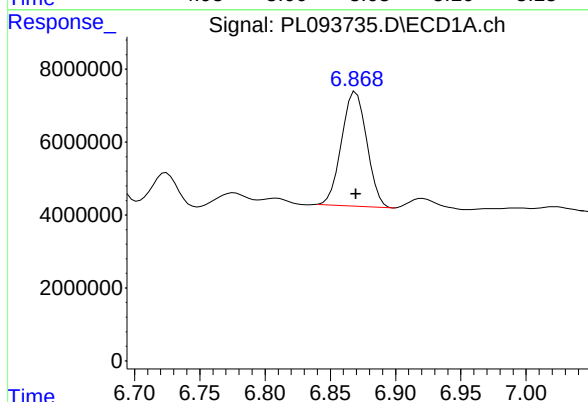
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



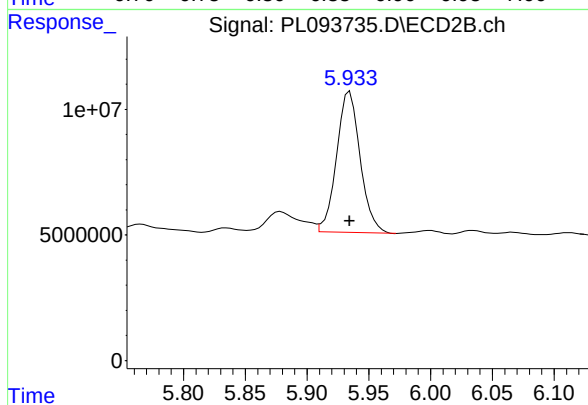
#26 Chlordane-4

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



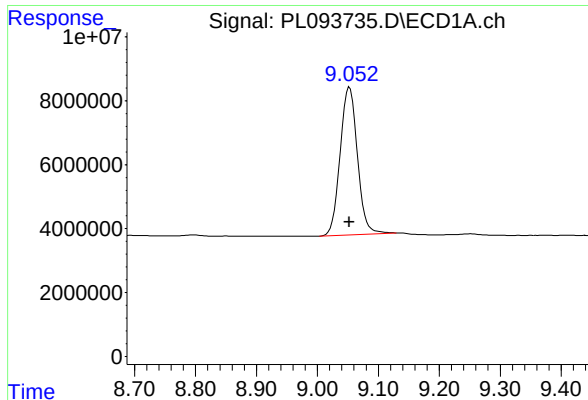
#27 Chlordane-5

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



#27 Chlordane-5

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



#28 Decachlorobiphenyl

R.T.: 9.053 min

Delta R.T.: 0.000 min

Response: 91356144

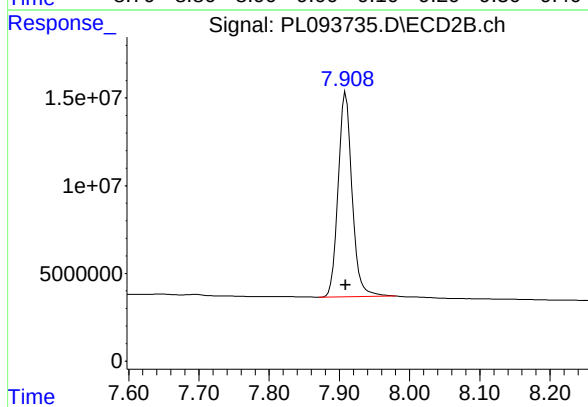
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min

Delta R.T.: 0.000 min

Response: 160259410

Conc: 50.00 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

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

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

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

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

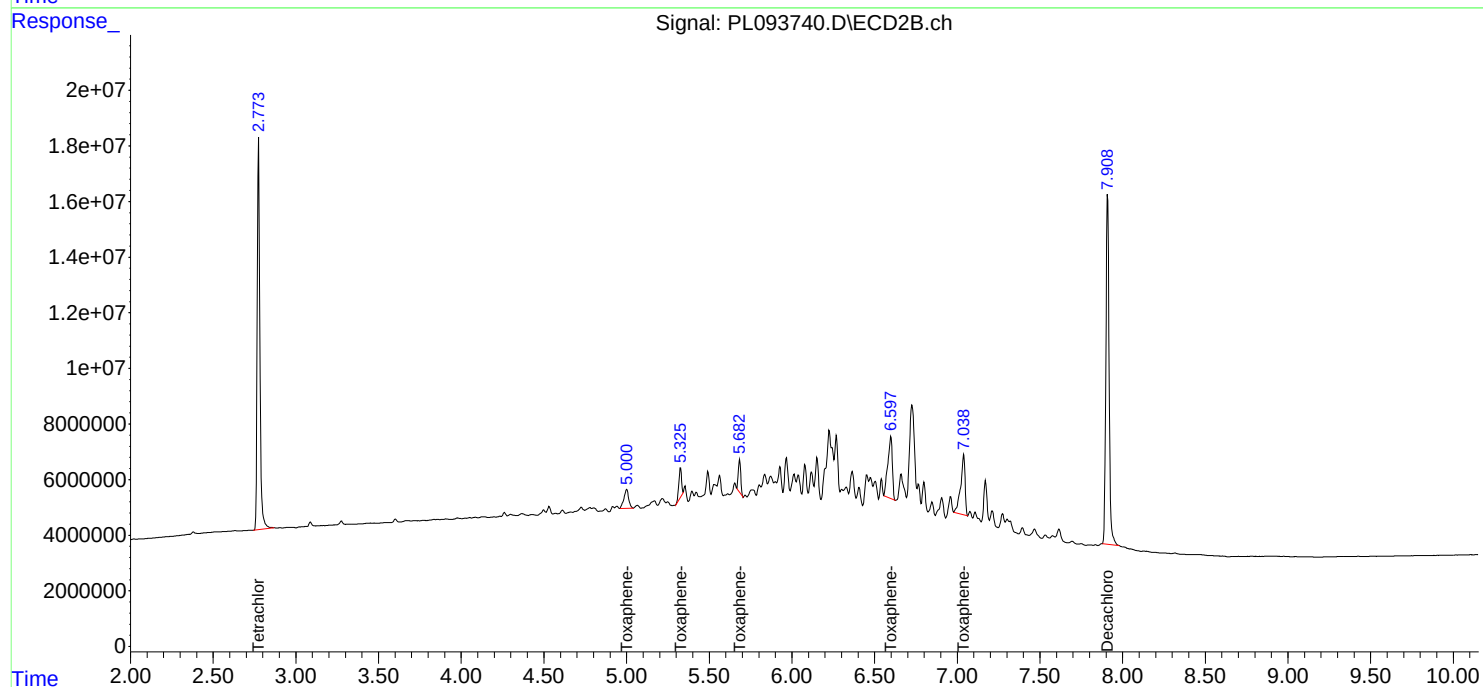
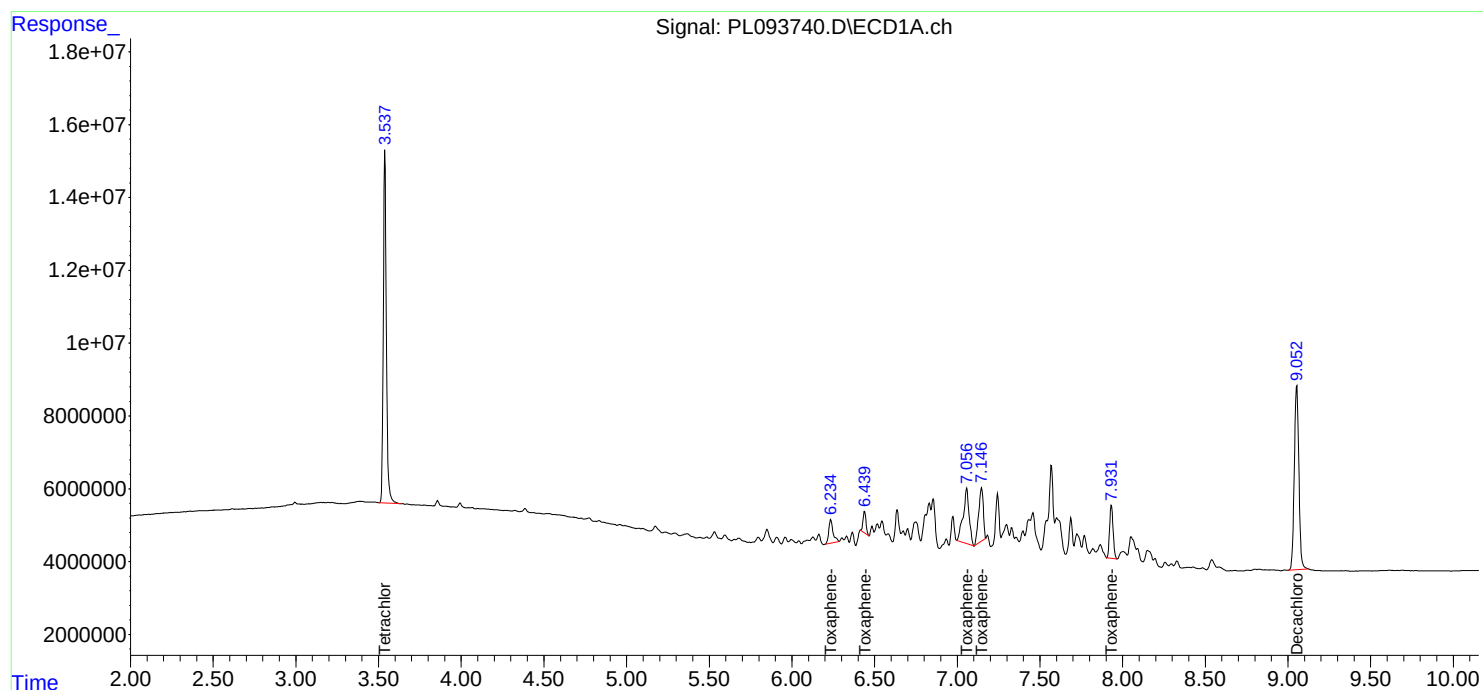
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

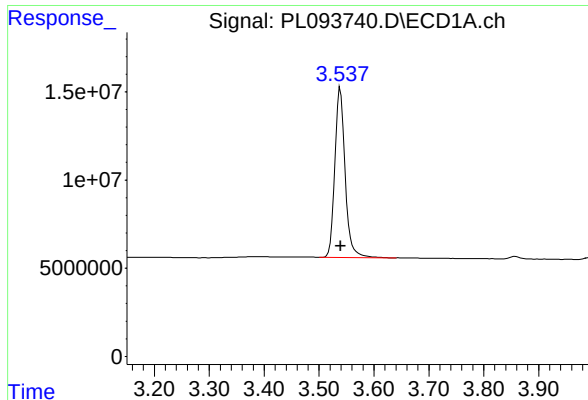
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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

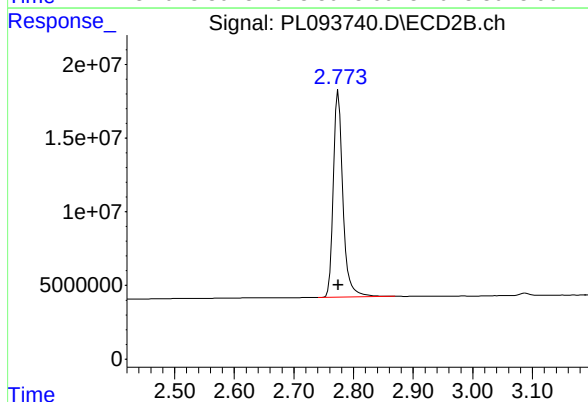




#1 Tetrachloro-m-xylene

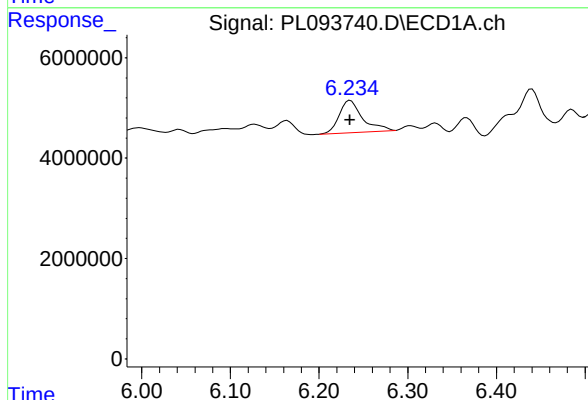
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



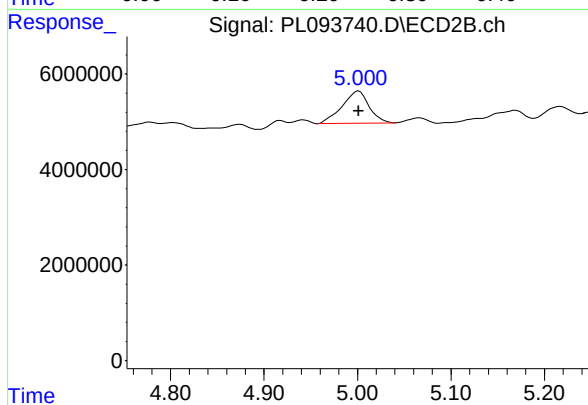
#1 Tetrachloro-m-xylene

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



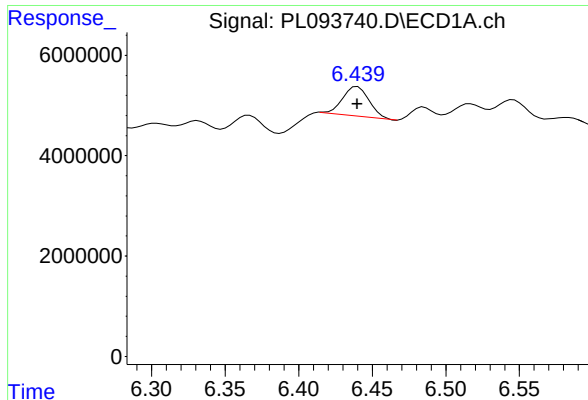
#2 Toxaphene-1

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



#2 Toxaphene-1

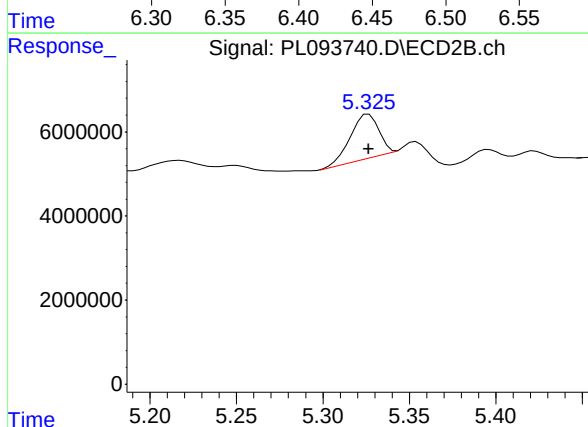
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

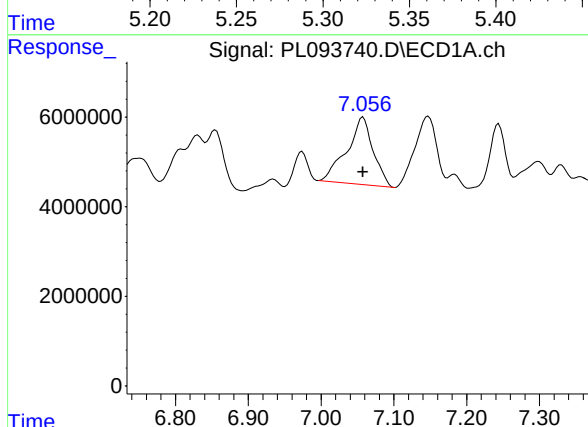
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



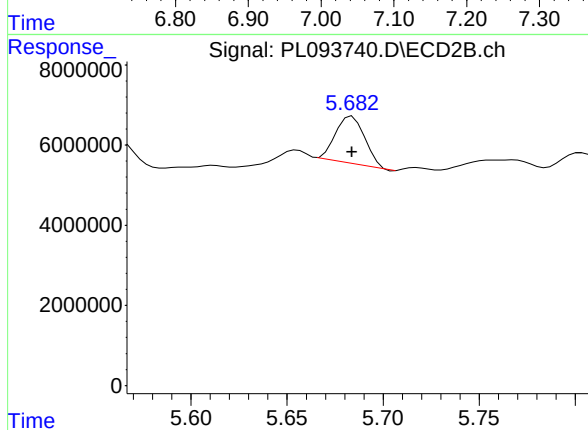
#3 Toxaphene-2

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



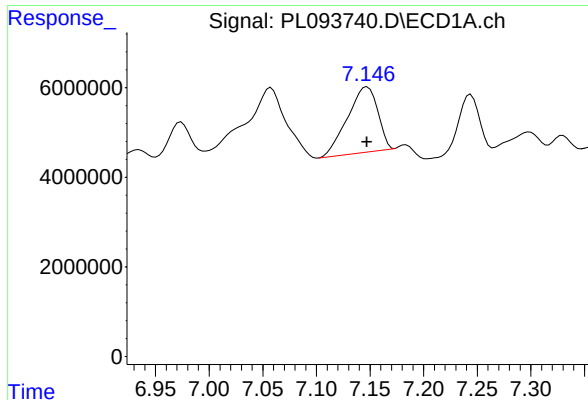
#4 Toxaphene-3

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



#4 Toxaphene-3

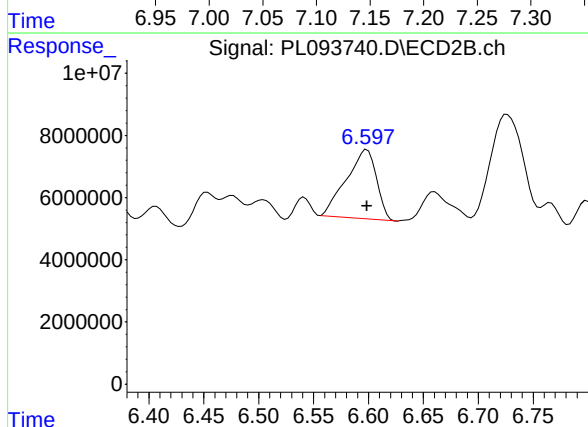
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

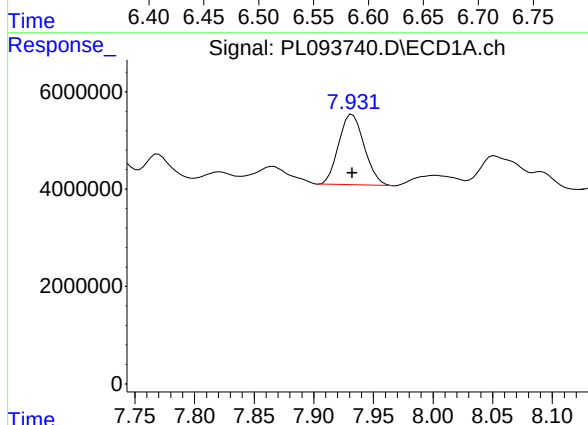
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



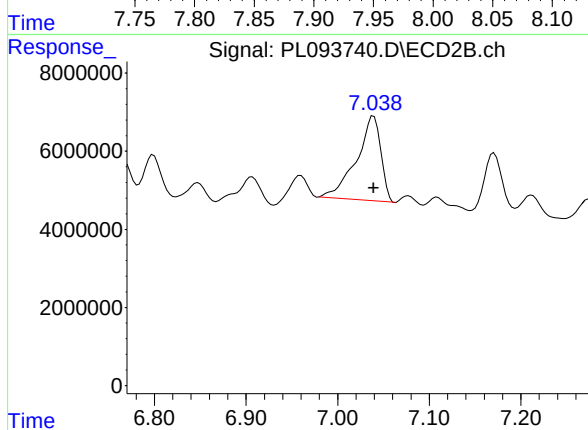
#5 Toxaphene-4

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



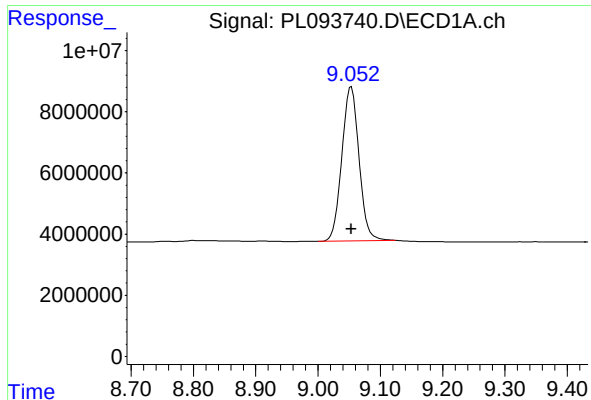
#6 Toxaphene-5

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



#6 Toxaphene-5

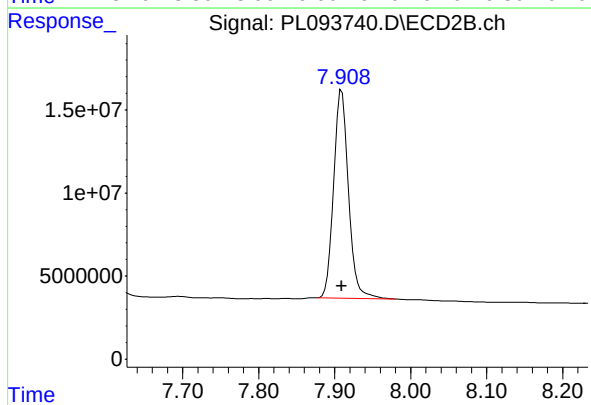
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL012125

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

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

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

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

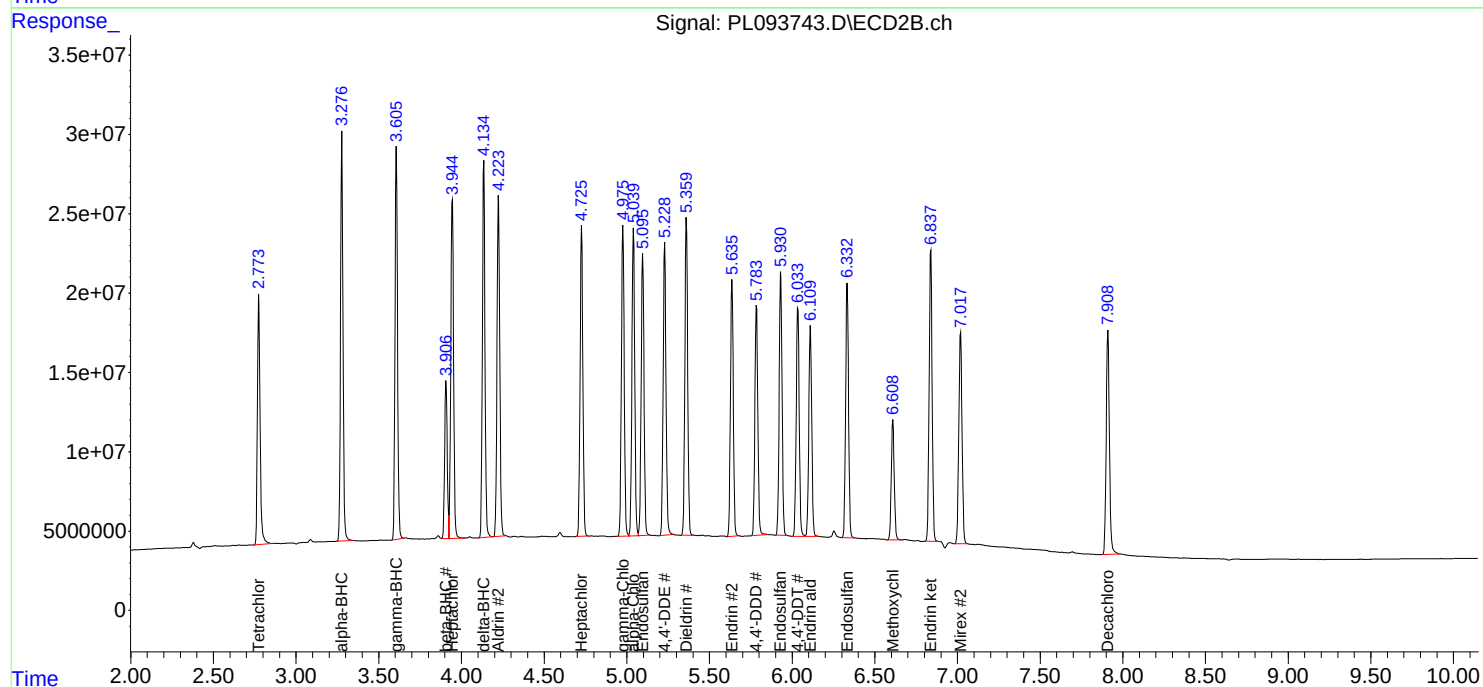
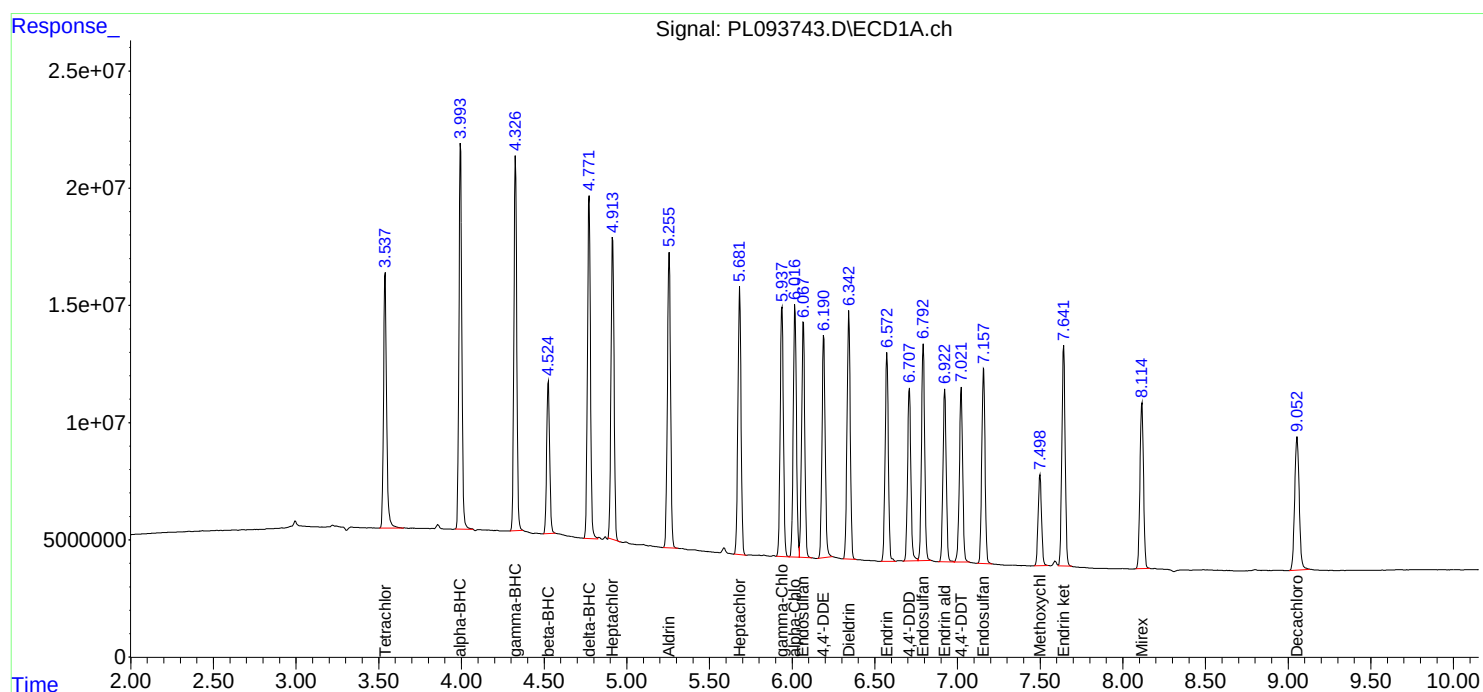
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

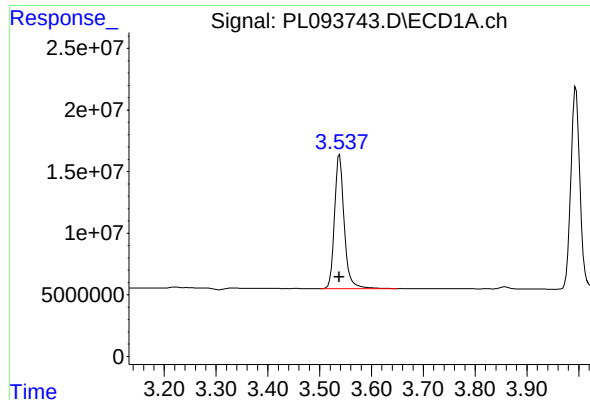
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL012125

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

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

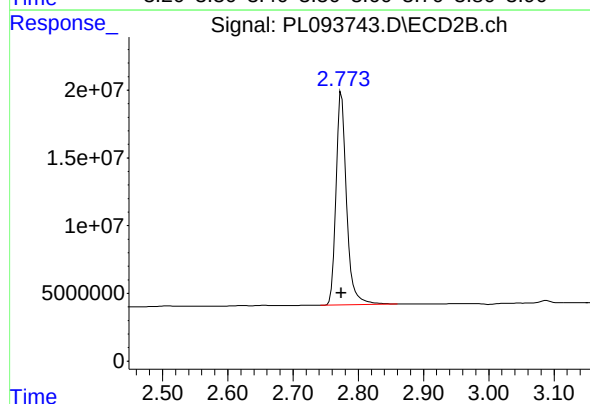




#1 Tetrachloro-m-xylene

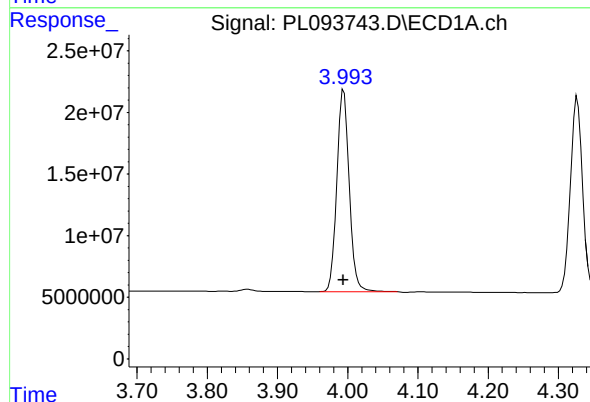
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



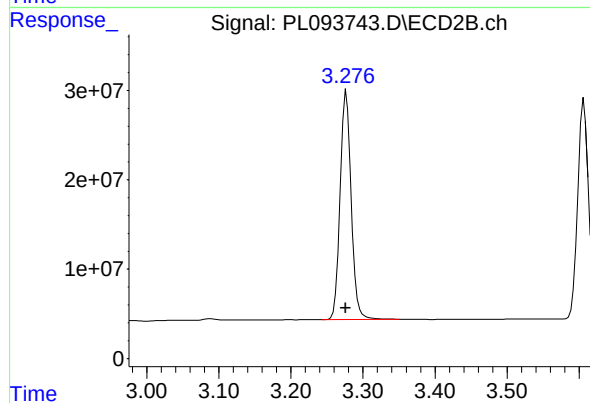
#1 Tetrachloro-m-xylene

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



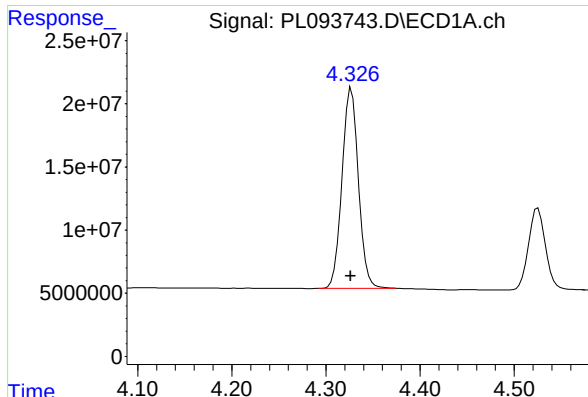
#2 alpha-BHC

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



#2 alpha-BHC

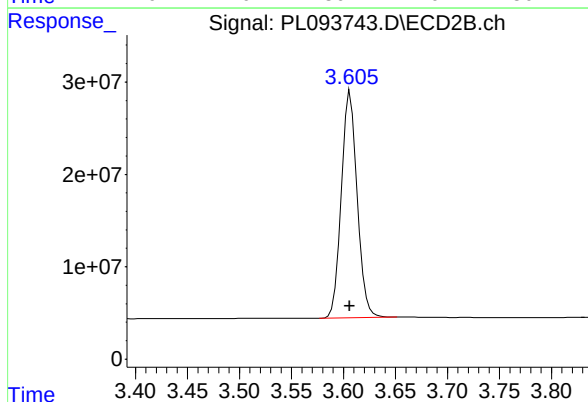
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

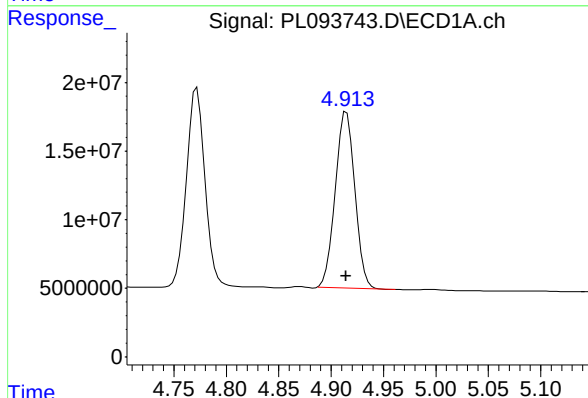
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



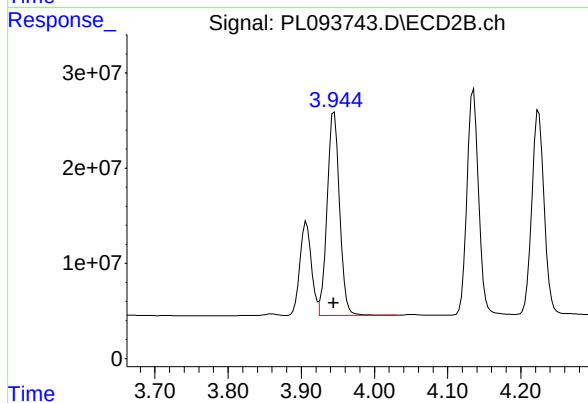
#3 gamma-BHC (Lindane)

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



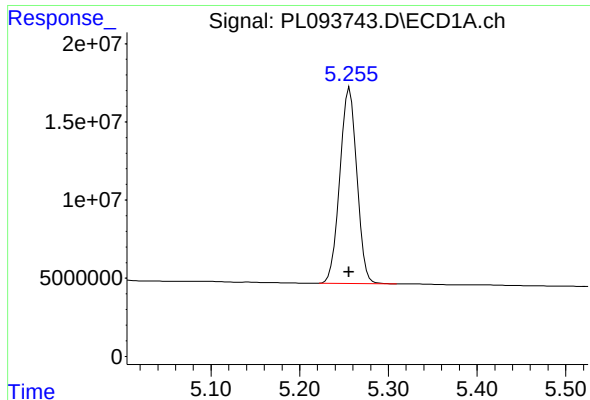
#4 Heptachlor

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



#4 Heptachlor

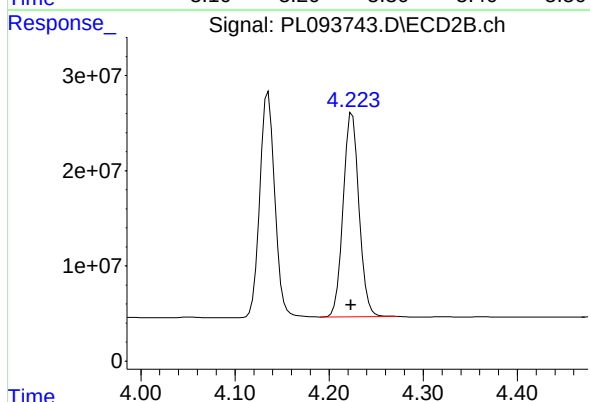
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

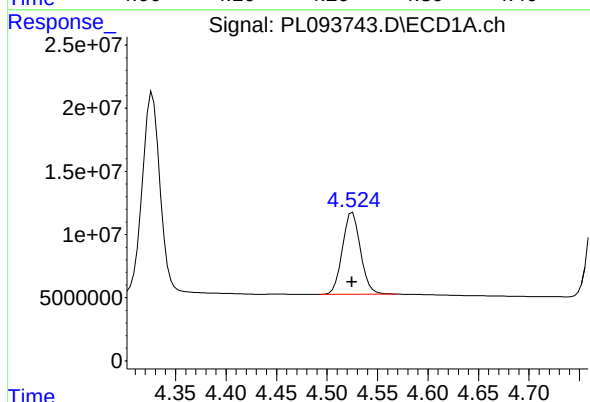
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



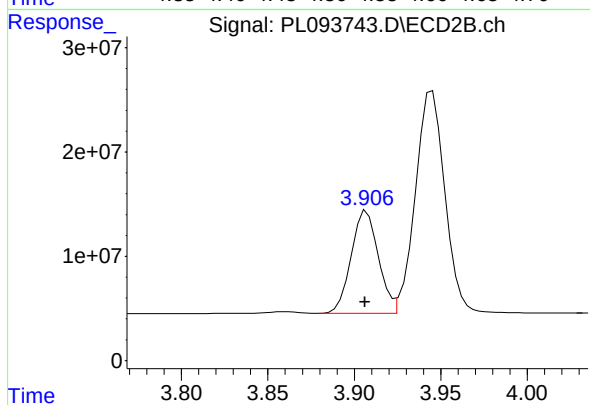
#5 Aldrin

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



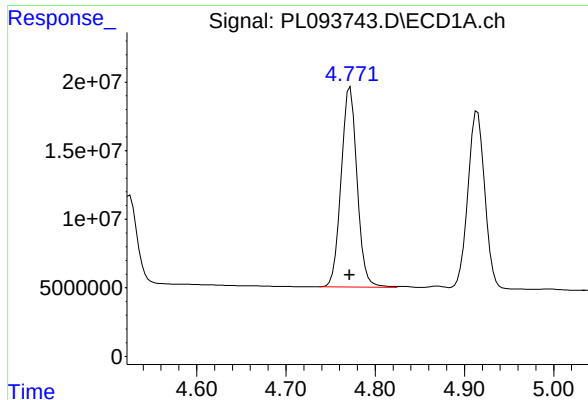
#6 beta-BHC

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



#6 beta-BHC

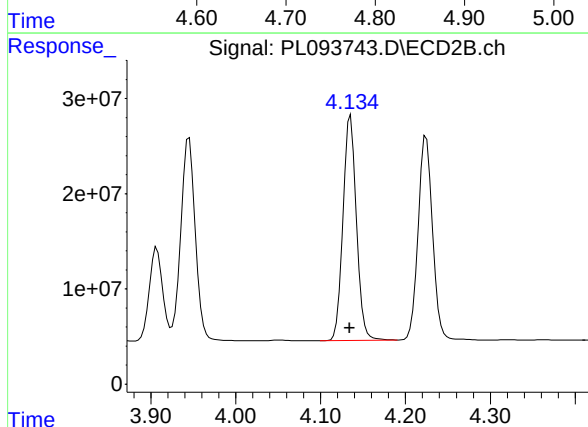
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

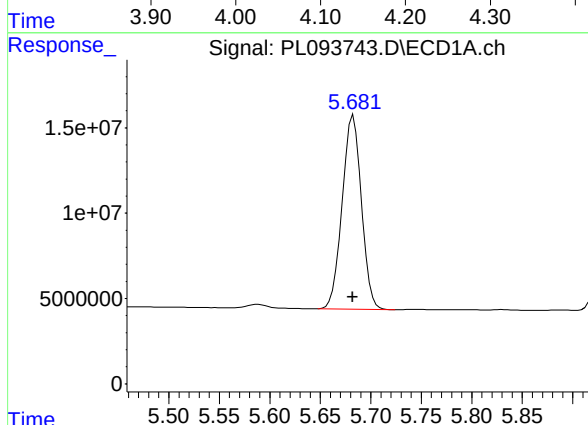
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



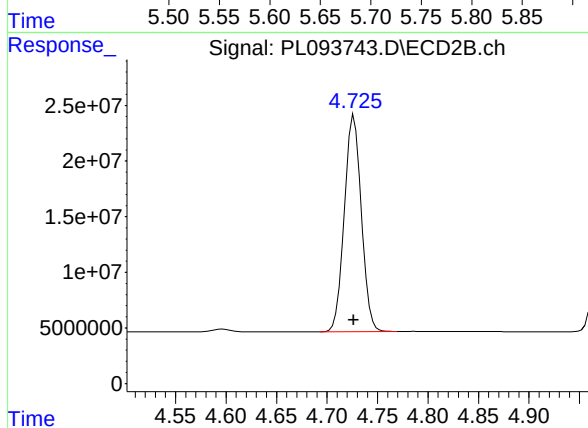
#7 delta-BHC

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



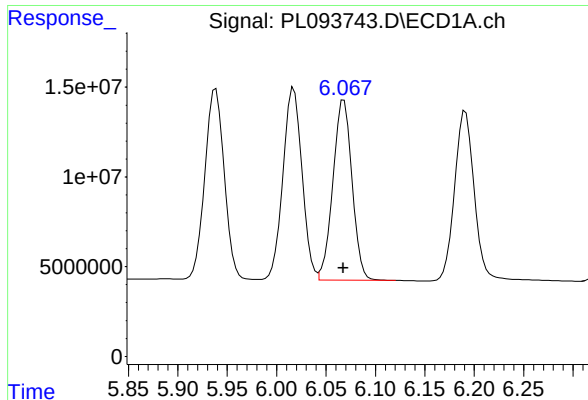
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

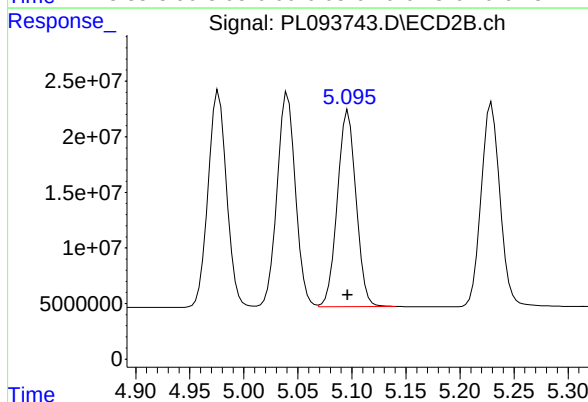
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

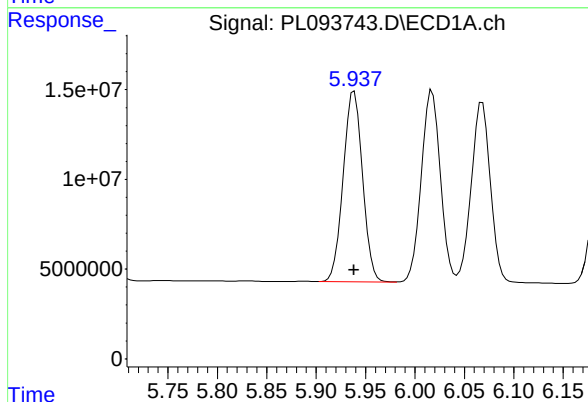
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



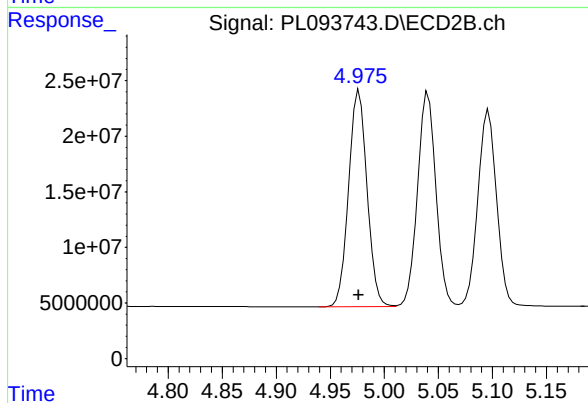
#9 Endosulfan I

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



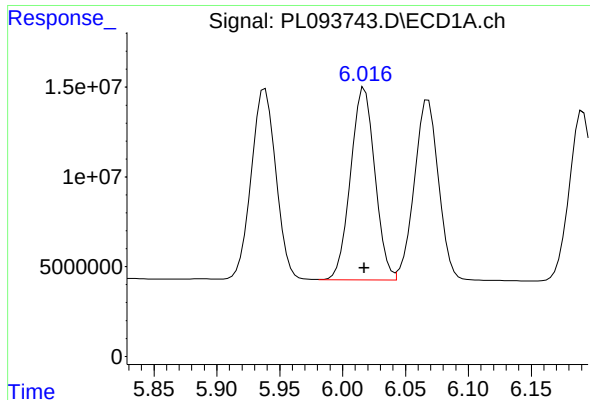
#10 gamma-Chlordane

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



#10 gamma-Chlordane

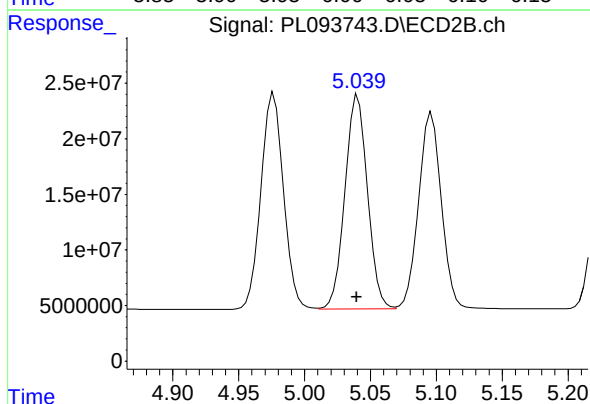
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

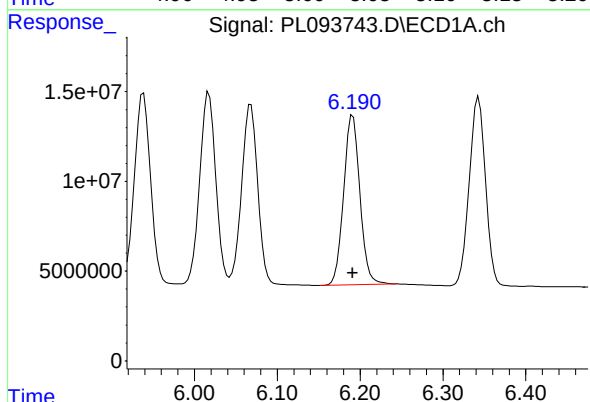
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 143803294
Conc: 51.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



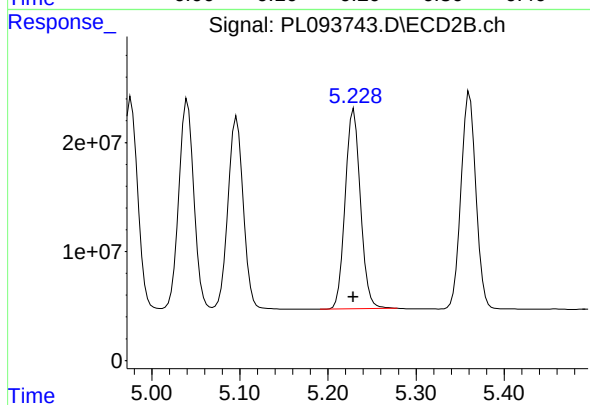
#11 alpha-Chlordane

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



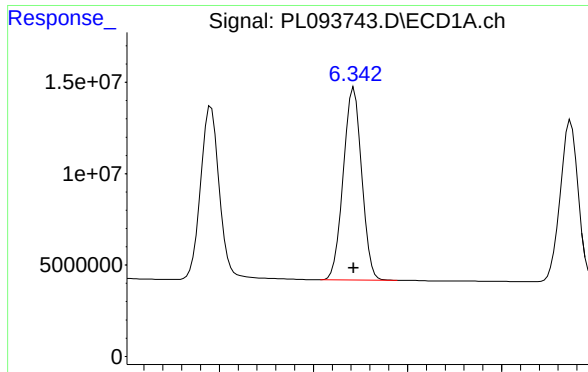
#12 4,4'-DDE

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



#12 4,4'-DDE

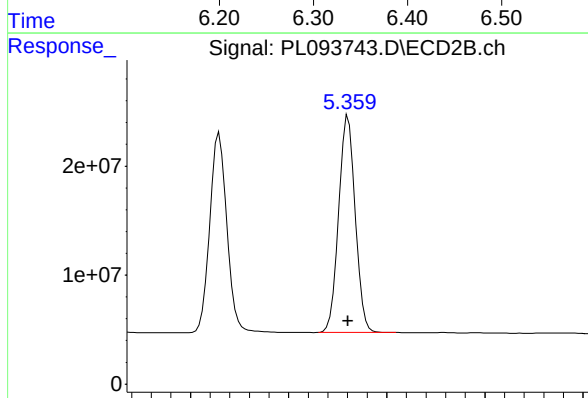
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

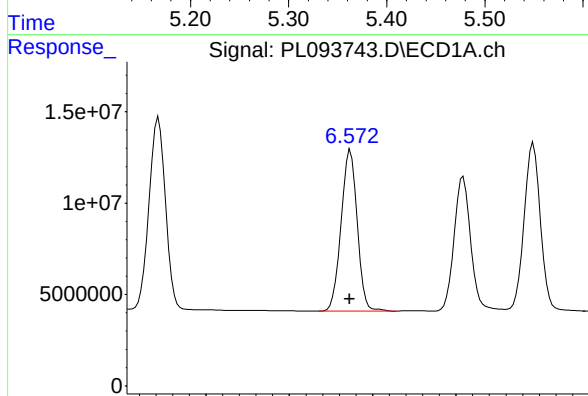
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



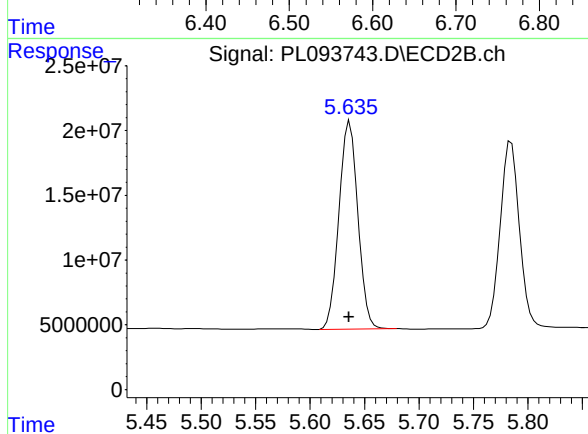
#13 Dieldrin

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



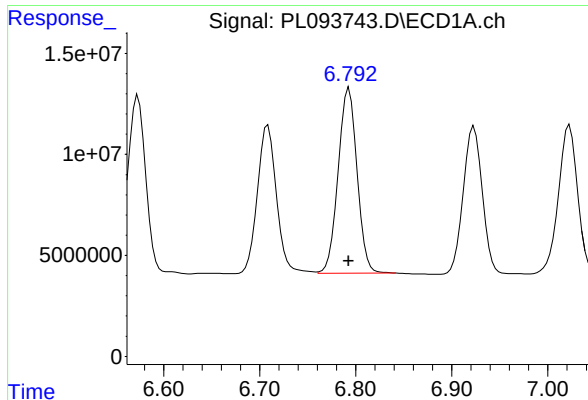
#14 Endrin

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



#14 Endrin

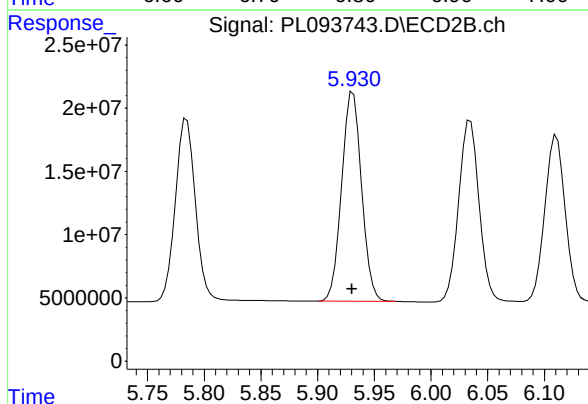
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

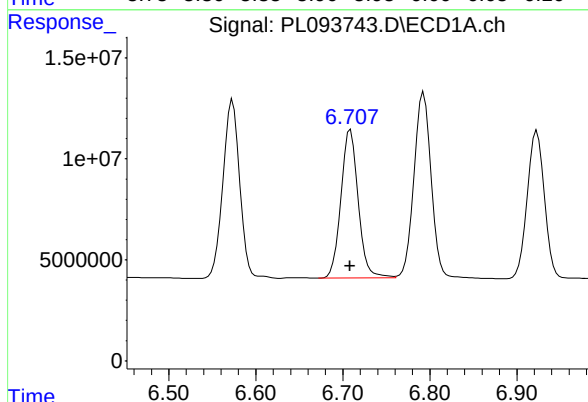
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



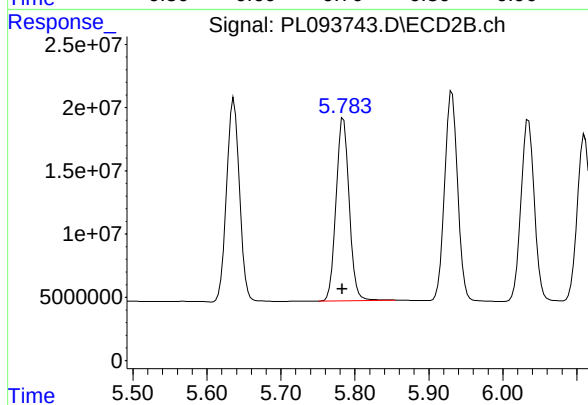
#15 Endosulfan II

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



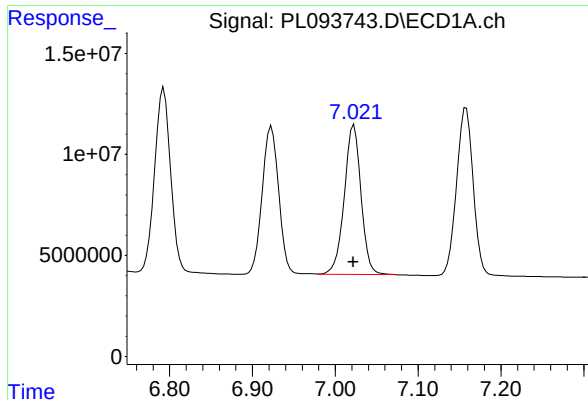
#16 4,4'-DDD

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



#16 4,4'-DDD

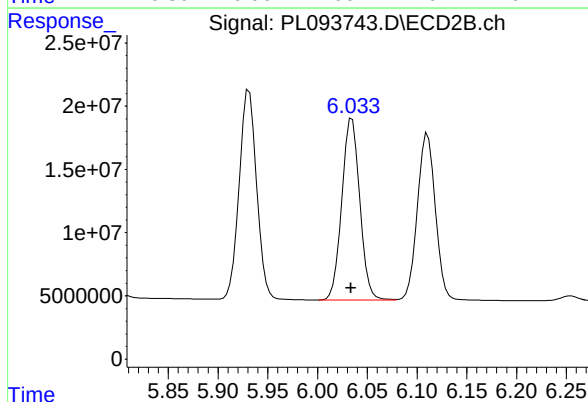
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

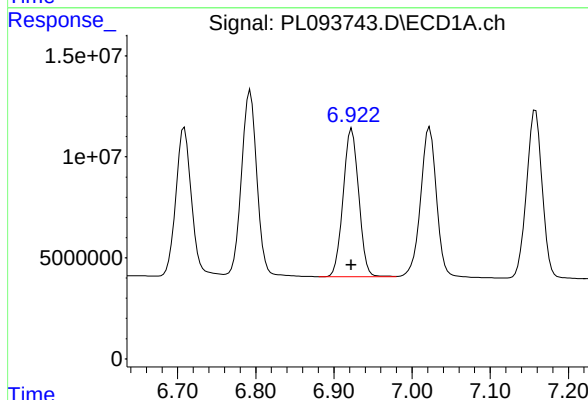
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



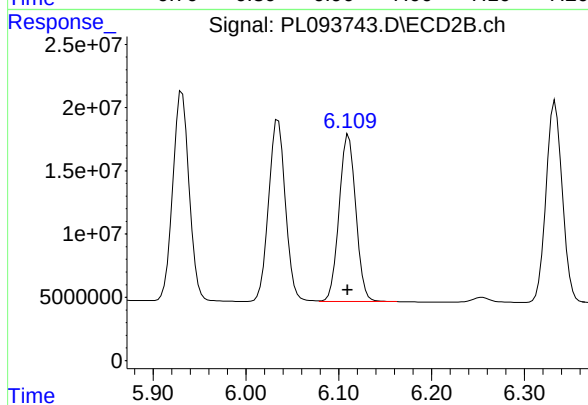
#17 4,4'-DDT

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



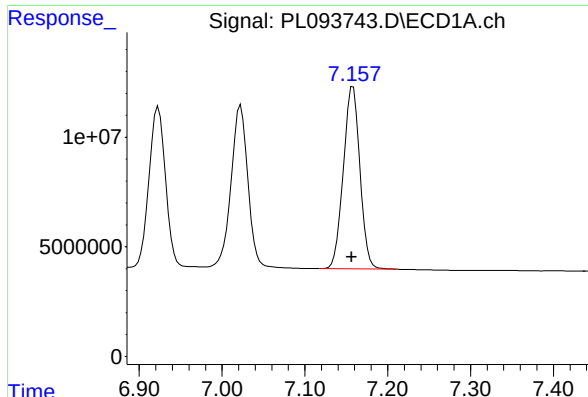
#18 Endrin aldehyde

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



#18 Endrin aldehyde

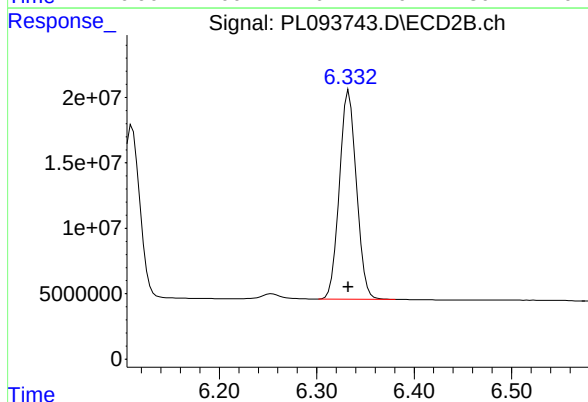
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

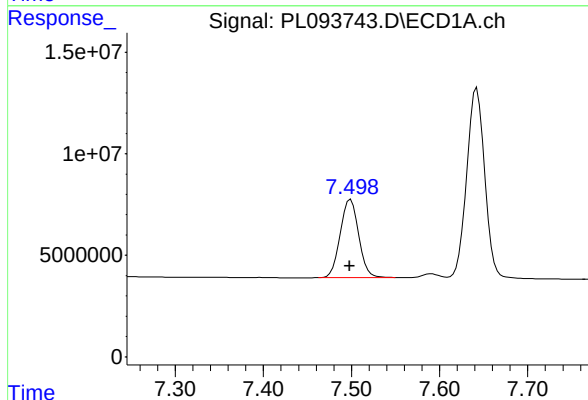
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



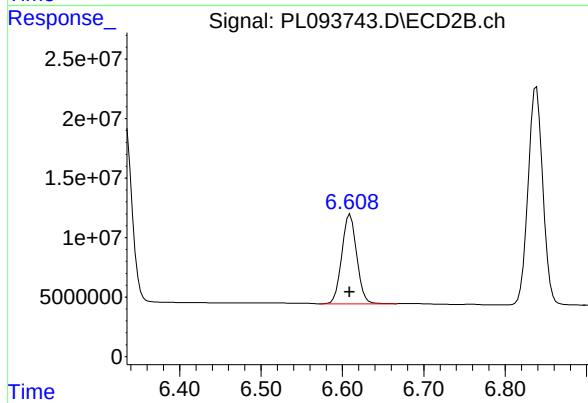
#19 Endosulfan Sulfate

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



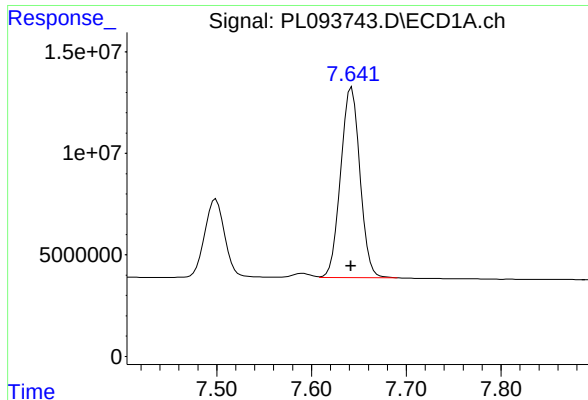
#20 Methoxychlor

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



#20 Methoxychlor

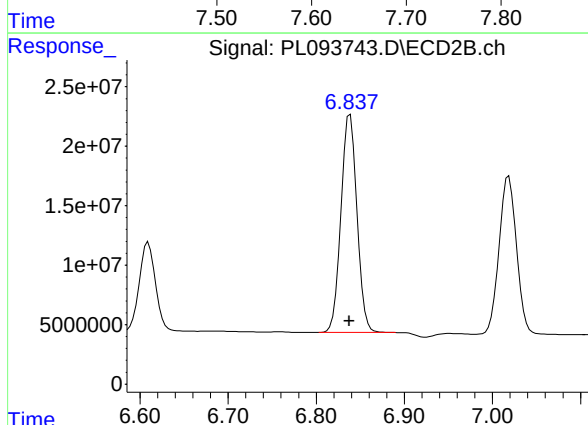
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

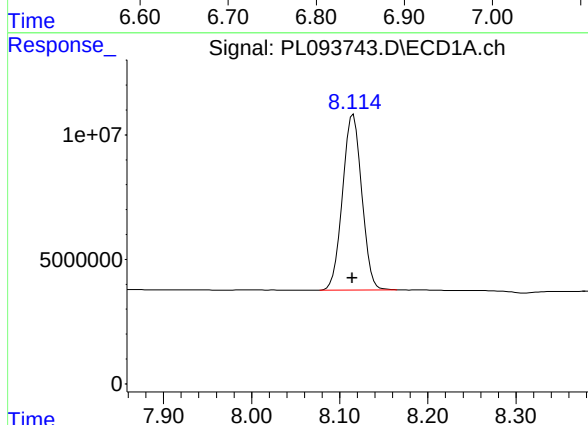
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 132246340
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



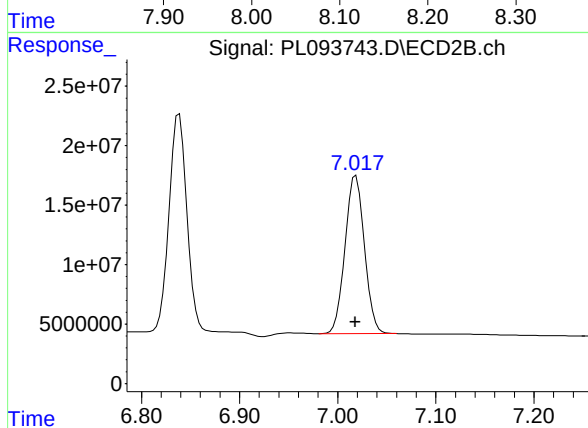
#21 Endrin ketone

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



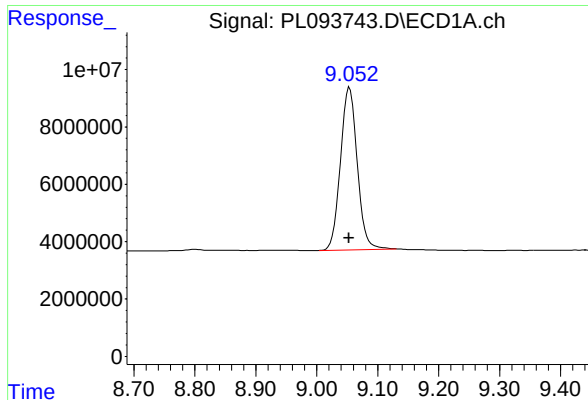
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.054 min

Delta R.T.: 0.001 min

Response: 108726317

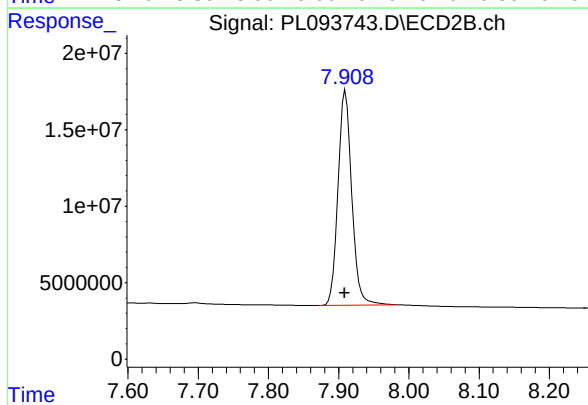
Conc: 51.97 ng/ml

Instrument :

ECD_L

ClientSampleId :

ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min

Delta R.T.: 0.001 min

Response: 190831116

Conc: 54.46 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 12:21 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 12:21 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL01 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094257.D Time Analyzed: 12:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.714	6.608	6.808	45.570	50.000	-8.9
4,4'-DDE	6.197	6.091	6.291	48.130	50.000	-3.7
4,4'-DDT	7.028	6.922	7.122	48.530	50.000	-2.9
Aldrin	5.262	5.156	5.356	49.000	50.000	-2.0
alpha-BHC	4.000	3.895	4.095	45.840	50.000	-8.3
alpha-Chlordane	6.023	5.917	6.117	49.050	50.000	-1.9
beta-BHC	4.531	4.425	4.625	44.770	50.000	-10.5
Decachlorobiphenyl	9.058	8.953	9.153	46.570	50.000	-6.9
delta-BHC	4.778	4.672	4.872	47.560	50.000	-4.9
Dieldrin	6.348	6.243	6.443	48.770	50.000	-2.5
Endosulfan I	6.074	5.967	6.167	48.600	50.000	-2.8
Endosulfan II	6.798	6.692	6.892	48.150	50.000	-3.7
Endosulfan sulfate	7.163	7.057	7.257	46.520	50.000	-7.0
Endrin	6.578	6.472	6.672	49.220	50.000	-1.6
Endrin aldehyde	6.928	6.823	7.023	47.240	50.000	-5.5
Endrin ketone	7.647	7.542	7.742	47.040	50.000	-5.9
gamma-BHC (Lindane)	4.332	4.227	4.427	46.340	50.000	-7.3
gamma-Chlordane	5.944	5.838	6.038	49.600	50.000	-0.8
Heptachlor	4.920	4.814	5.014	49.010	50.000	-2.0
Heptachlor epoxide	5.688	5.582	5.782	48.640	50.000	-2.7
Methoxychlor	7.504	7.398	7.598	48.340	50.000	-3.3
Tetrachloro-m-xylene	3.544	3.439	3.639	45.430	50.000	-9.1



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL01 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094257.D Time Analyzed: 12:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.782	5.684	5.884	51.530	50.000	3.1
4,4'-DDE	5.227	5.130	5.330	51.540	50.000	3.1
4,4'-DDT	6.033	5.934	6.134	56.000	50.000	12.0
Aldrin	4.222	4.125	4.325	50.950	50.000	1.9
alpha-BHC	3.275	3.177	3.377	49.430	50.000	-1.1
alpha-Chlordane	5.038	4.940	5.140	52.150	50.000	4.3
beta-BHC	3.905	3.807	4.007	48.180	50.000	-3.6
Decachlorobiphenyl	7.907	7.810	8.010	52.570	50.000	5.1
delta-BHC	4.133	4.036	4.236	49.560	50.000	-0.9
Dieldrin	5.358	5.261	5.461	52.000	50.000	4.0
Endosulfan I	5.094	4.996	5.196	52.100	50.000	4.2
Endosulfan II	5.930	5.831	6.031	52.760	50.000	5.5
Endosulfan sulfate	6.332	6.233	6.433	52.680	50.000	5.4
Endrin	5.634	5.536	5.736	53.620	50.000	7.2
Endrin aldehyde	6.108	6.010	6.210	52.340	50.000	4.7
Endrin ketone	6.837	6.739	6.939	52.880	50.000	5.8
gamma-BHC (Lindane)	3.604	3.507	3.707	49.610	50.000	-0.8
gamma-Chlordane	4.974	4.877	5.077	51.800	50.000	3.6
Heptachlor	3.942	3.845	4.045	50.950	50.000	1.9
Heptachlor epoxide	4.724	4.627	4.827	51.320	50.000	2.6
Methoxychlor	6.607	6.509	6.709	54.030	50.000	8.1
Tetrachloro-m-xylene	2.772	2.674	2.874	48.340	50.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094257.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 12:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:10:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.772	122.3E6	157.8E6	45.433	48.340
28) SA Decachlor...	9.058	7.907	97413292	184.2E6	46.567	52.571
Target Compounds						
2) A alpha-BHC	4.000	3.275	175.7E6	241.7E6	45.840	49.433
3) MA gamma-BHC...	4.332	3.604	170.7E6	235.2E6	46.338	49.606
4) MA Heptachlor	4.920	3.942	160.6E6	237.2E6	49.010	50.950
5) MB Aldrin	5.262	4.222	160.3E6	232.4E6	49.005	50.950
6) B beta-BHC	4.531	3.905	71952810	96228311	44.766	48.176
7) B delta-BHC	4.778	4.133	166.7E6	235.5E6	47.561	49.563
8) B Heptachlo...	5.688	4.724	144.7E6	214.5E6	48.642	51.322
9) A Endosulfan I	6.074	5.094	128.4E6	202.0E6	48.600	52.103
10) B gamma-Chl...	5.944	4.974	138.3E6	219.5E6	49.601	51.804
11) B alpha-Chl...	6.023	5.038	136.8E6	218.3E6	49.048	52.153
12) B 4,4'-DDE	6.197	5.227	117.2E6	206.6E6	48.135	51.536
13) MA Dieldrin	6.348	5.358	135.4E6	223.4E6	48.766	51.996
14) MA Endrin	6.578	5.634	115.4E6	198.0E6	49.217	53.618
15) B Endosulfa...	6.798	5.930	116.0E6	195.4E6	48.153	52.760
16) A 4,4'-DDD	6.714	5.782	86603880	162.7E6	45.568	51.530
17) MA 4,4'-DDT	7.028	6.033	95697450	182.2E6	48.527	56.002
18) B Endrin al...	6.928	6.108	91838510	159.4E6	47.241	52.343
19) B Endosulfa...	7.163	6.332	105.3E6	187.9E6	46.520	52.681
20) A Methoxychlor	7.504	6.607	50438139	96611430	48.340	54.029
21) B Endrin ke...	7.647	6.837	118.7E6	221.8E6	47.036	52.880
22) Mirex	8.119	7.016	99673350	182.6E6	47.863	53.987

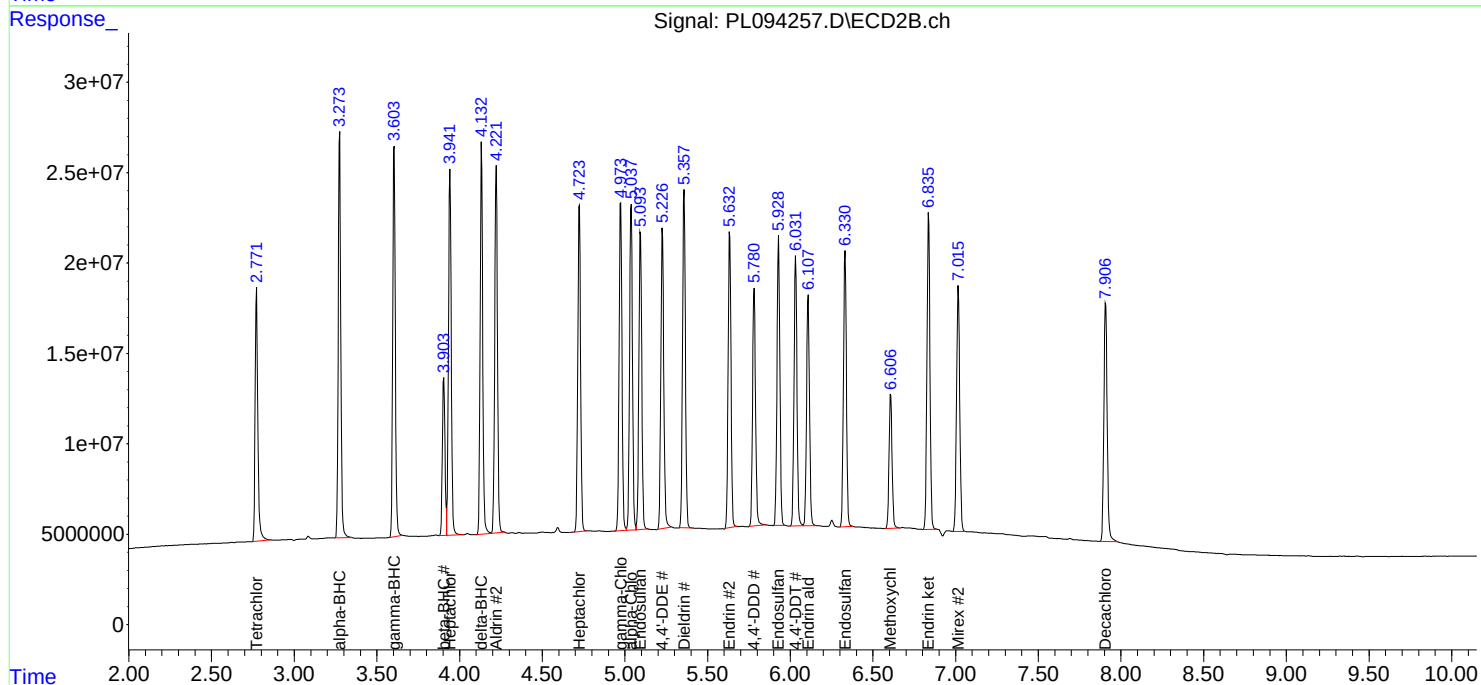
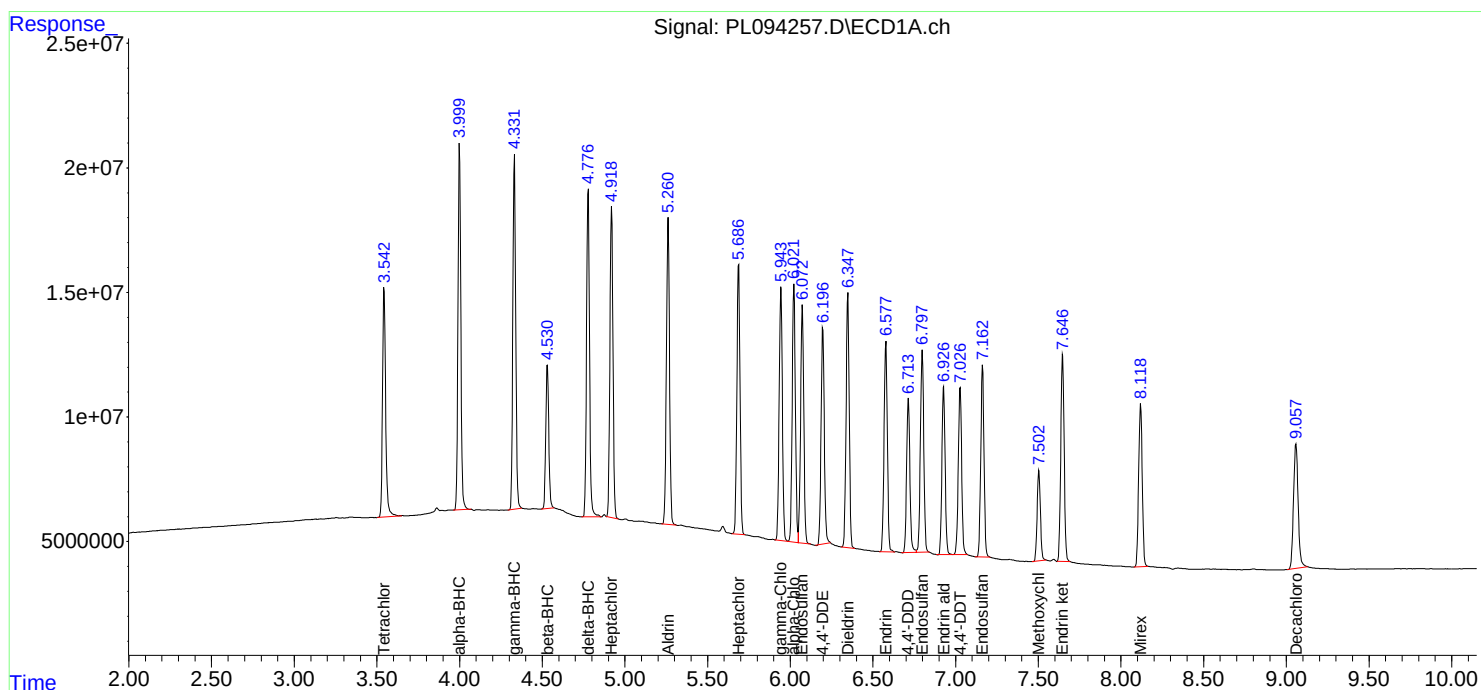
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

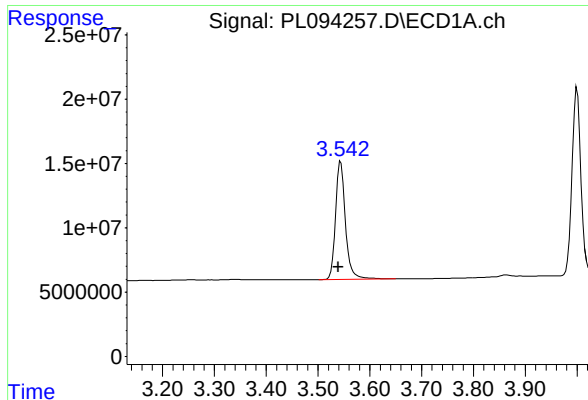
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 12:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

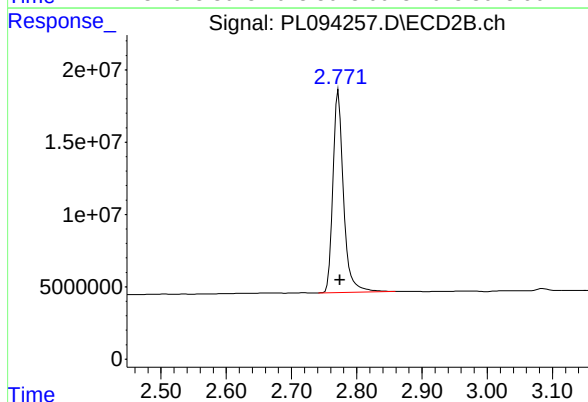




#1 Tetrachloro-m-xylene

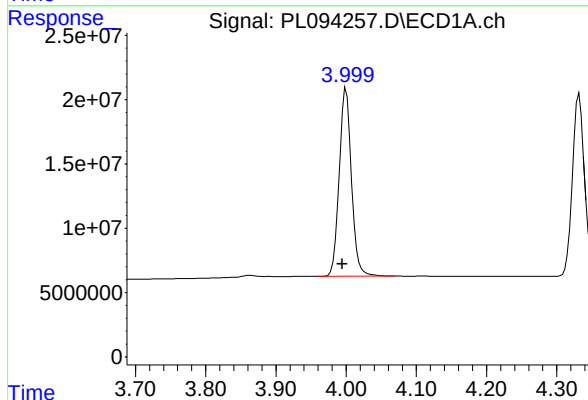
R.T.: 3.544 min
Delta R.T.: 0.005 min
Response: 122339908
Conc: 45.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



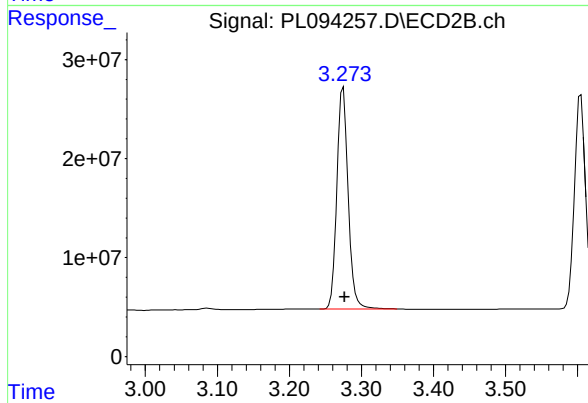
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 157790923
Conc: 48.34 ng/ml



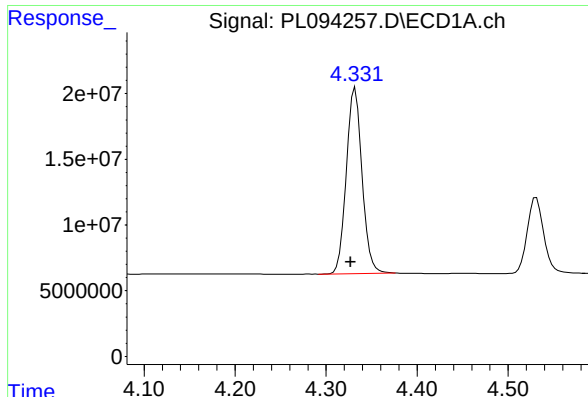
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.005 min
Response: 175744935
Conc: 45.84 ng/ml



#2 alpha-BHC

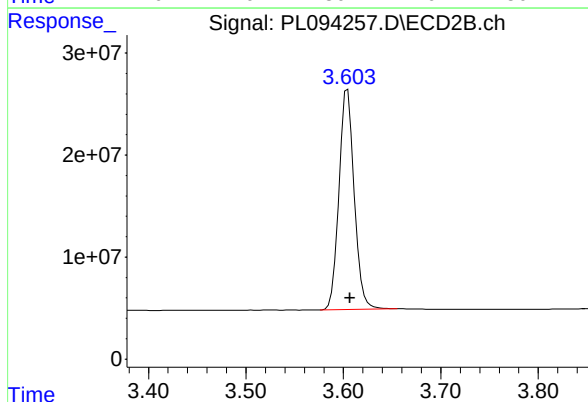
R.T.: 3.275 min
Delta R.T.: -0.002 min
Response: 241677559
Conc: 49.43 ng/ml



#3 gamma-BHC (Lindane)

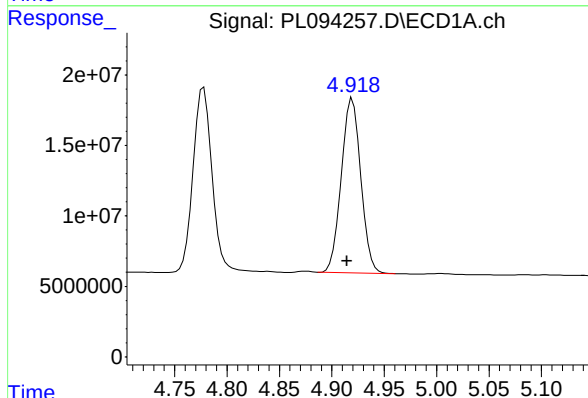
R.T.: 4.332 min
Delta R.T.: 0.005 min
Response: 170657229
Conc: 46.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



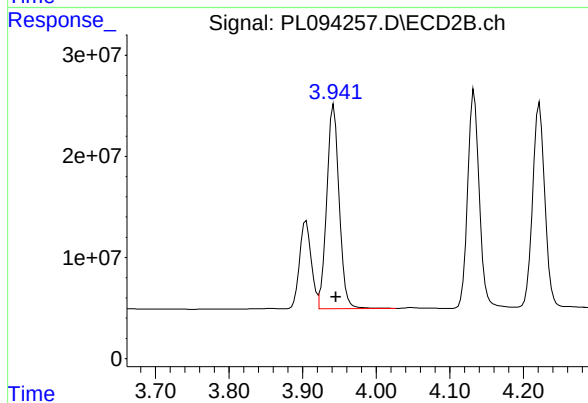
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 235194109
Conc: 49.61 ng/ml



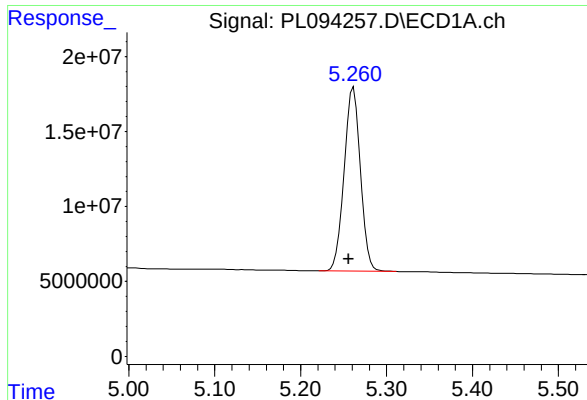
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.005 min
Response: 160622981
Conc: 49.01 ng/ml



#4 Heptachlor

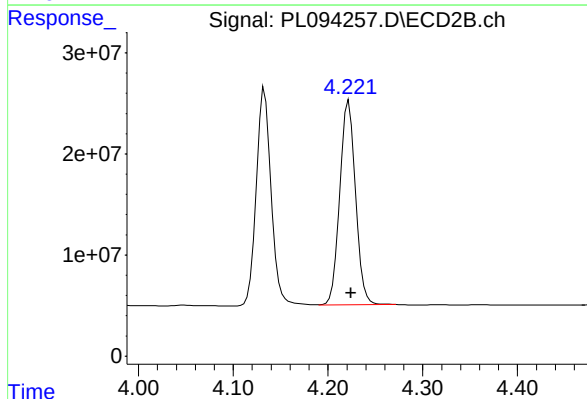
R.T.: 3.942 min
Delta R.T.: -0.003 min
Response: 237161317
Conc: 50.95 ng/ml



#5 Aldrin

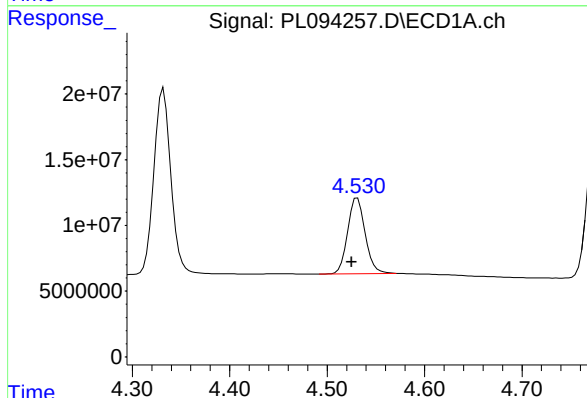
R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 160342540
Conc: 49.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



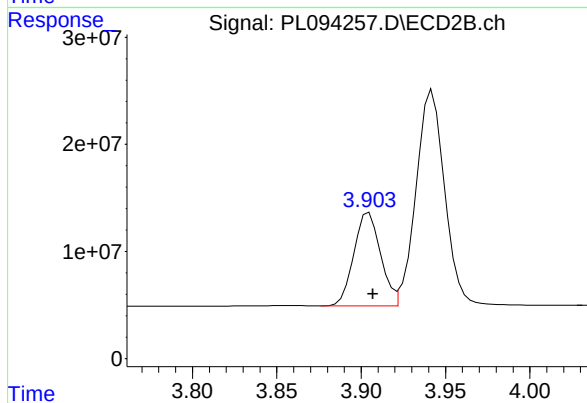
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: -0.003 min
Response: 232424060
Conc: 50.95 ng/ml



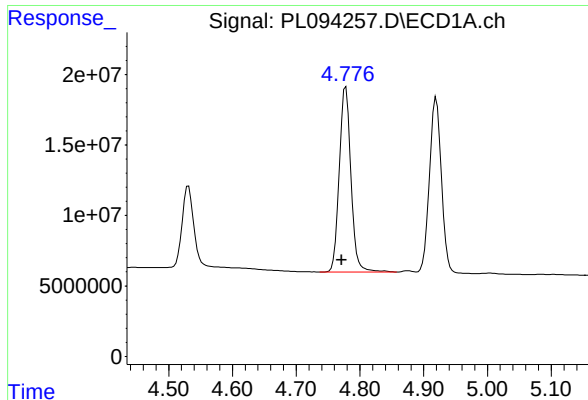
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 71952810
Conc: 44.77 ng/ml



#6 beta-BHC

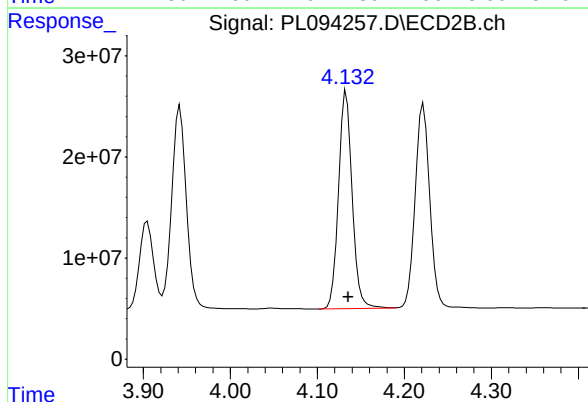
R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 96228311
Conc: 48.18 ng/ml



#7 delta-BHC

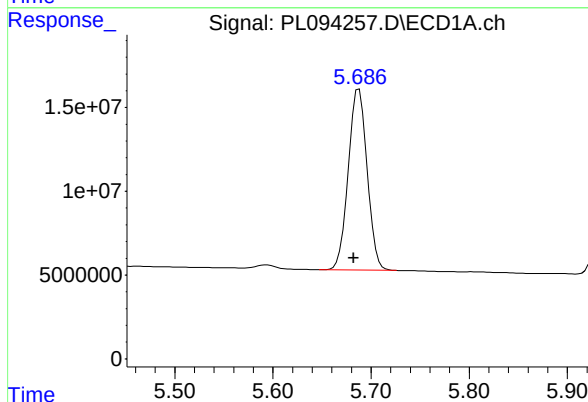
R.T.: 4.778 min
Delta R.T.: 0.006 min
Response: 166713911
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



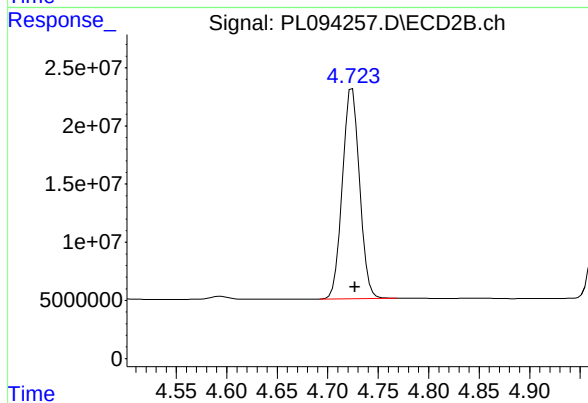
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 235484265
Conc: 49.56 ng/ml



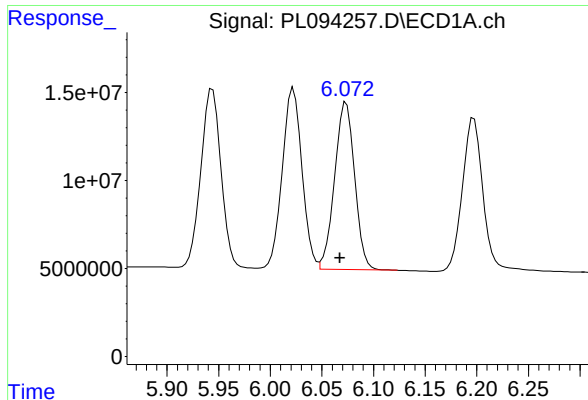
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.005 min
Response: 144653831
Conc: 48.64 ng/ml



#8 Heptachlor epoxide

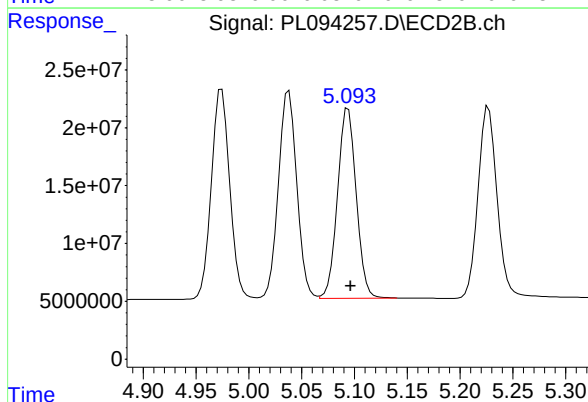
R.T.: 4.724 min
Delta R.T.: -0.003 min
Response: 214540416
Conc: 51.32 ng/ml



#9 Endosulfan I

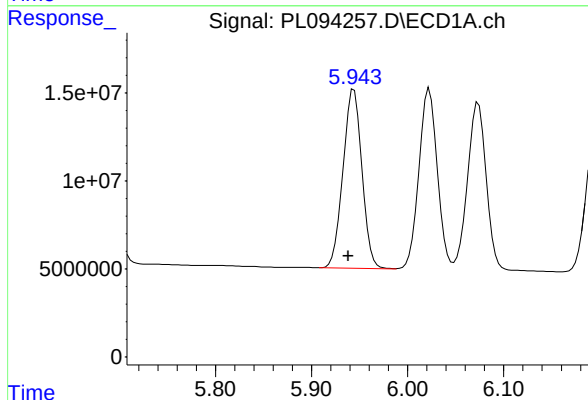
R.T.: 6.074 min
Delta R.T.: 0.006 min
Response: 128443543
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



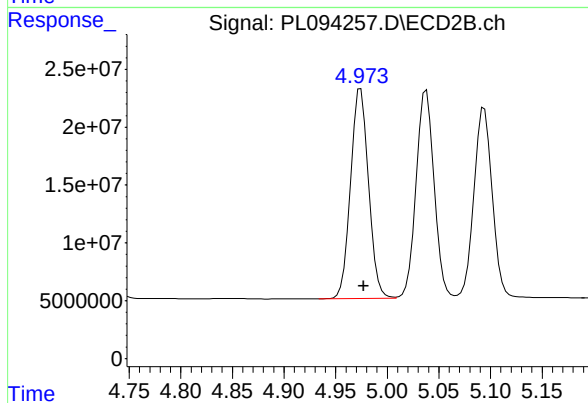
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: -0.002 min
Response: 202000308
Conc: 52.10 ng/ml



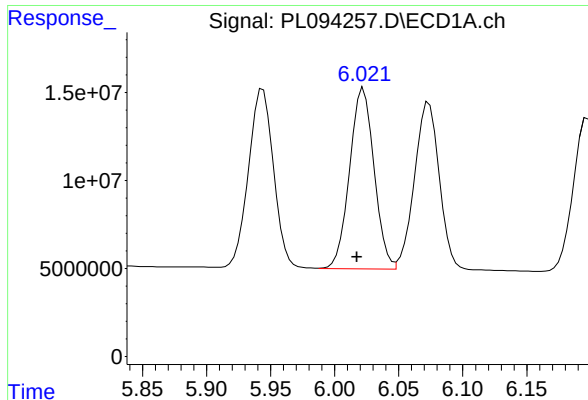
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.006 min
Response: 138257700
Conc: 49.60 ng/ml



#10 gamma-Chlordane

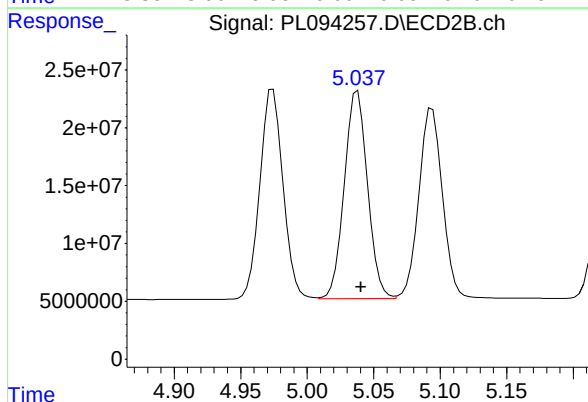
R.T.: 4.974 min
Delta R.T.: -0.003 min
Response: 219523688
Conc: 51.80 ng/ml



#11 alpha-Chlordane

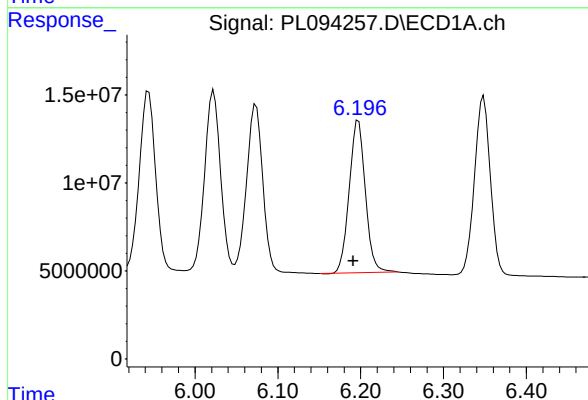
R.T.: 6.023 min
Delta R.T.: 0.005 min
Response: 136765907
Conc: 49.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



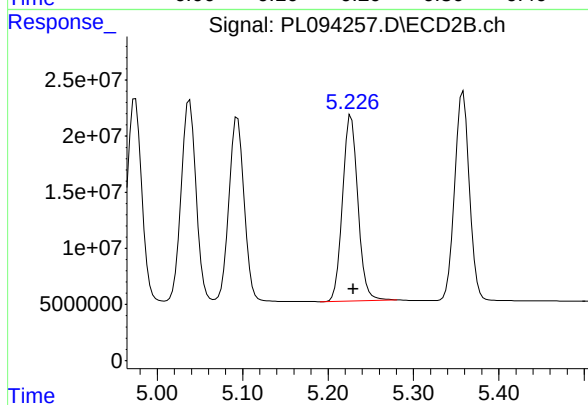
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: -0.003 min
Response: 218343701
Conc: 52.15 ng/ml



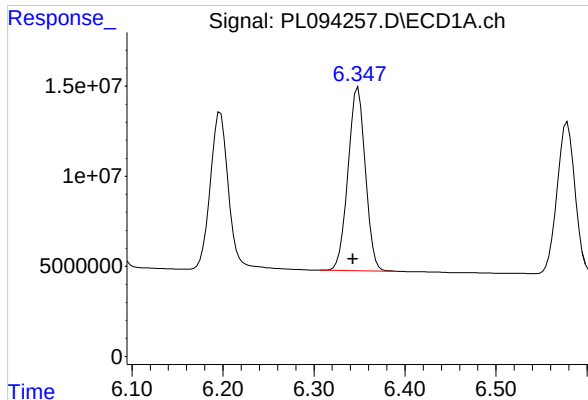
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.006 min
Response: 117189214
Conc: 48.13 ng/ml



#12 4,4'-DDE

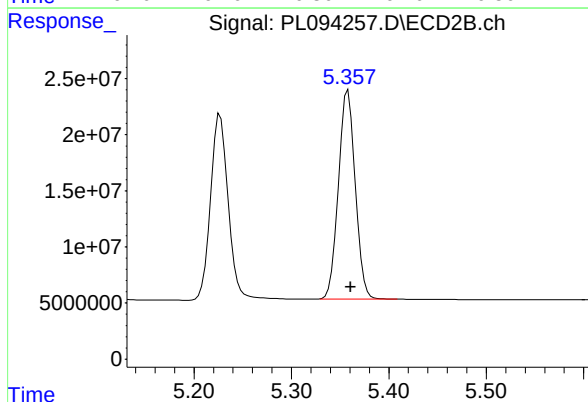
R.T.: 5.227 min
Delta R.T.: -0.003 min
Response: 206632877
Conc: 51.54 ng/ml



#13 Dieldrin

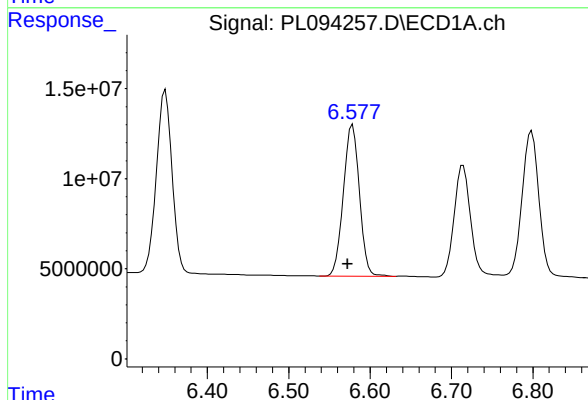
R.T.: 6.348 min
Delta R.T.: 0.006 min
Response: 135367592
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



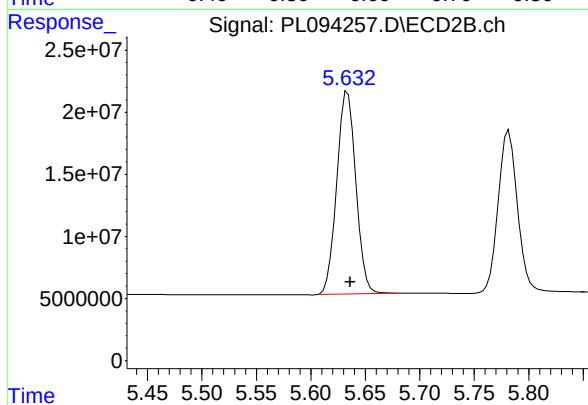
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 223356408
Conc: 52.00 ng/ml



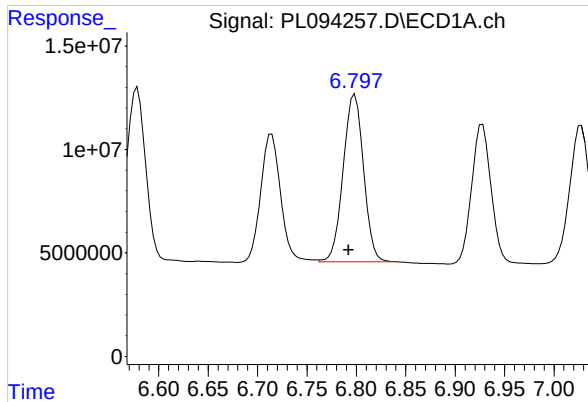
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.006 min
Response: 115404112
Conc: 49.22 ng/ml



#14 Endrin

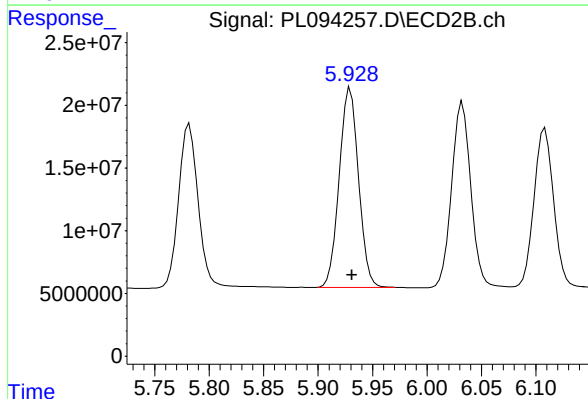
R.T.: 5.634 min
Delta R.T.: -0.003 min
Response: 197995447
Conc: 53.62 ng/ml



#15 Endosulfan II

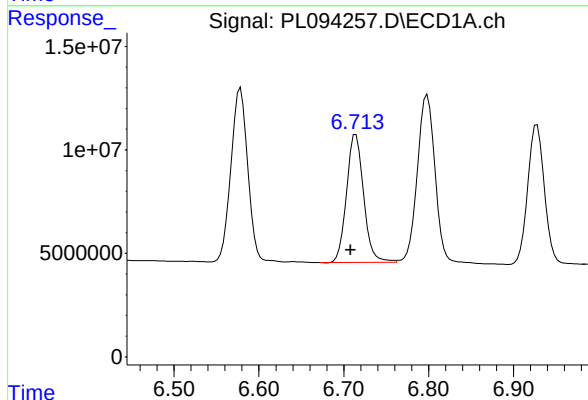
R.T.: 6.798 min
Delta R.T.: 0.006 min
Response: 116018066
Conc: 48.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



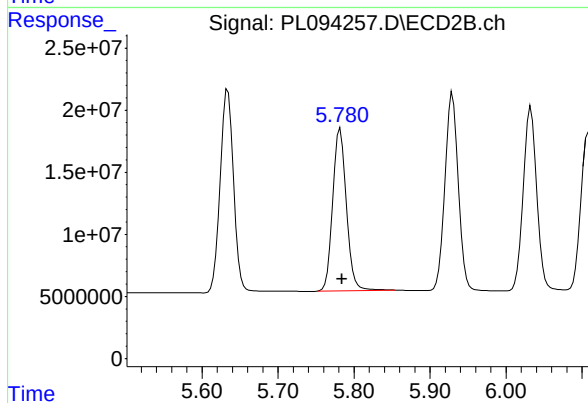
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: -0.002 min
Response: 195415320
Conc: 52.76 ng/ml



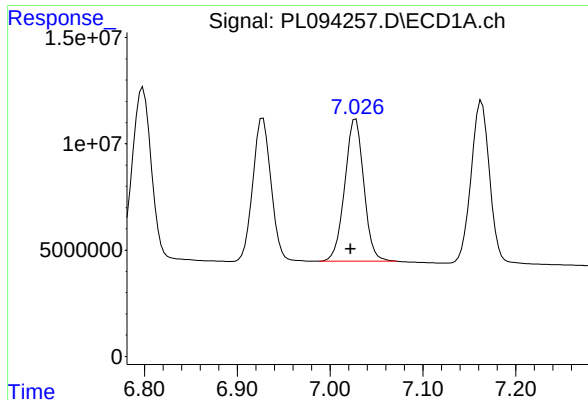
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.006 min
Response: 86603880
Conc: 45.57 ng/ml



#16 4,4'-DDD

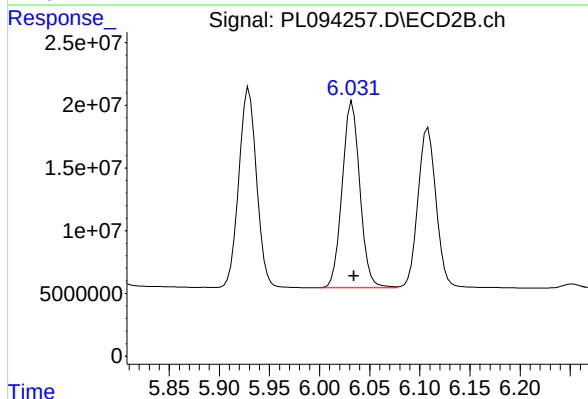
R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 162654984
Conc: 51.53 ng/ml



#17 4,4'-DDT

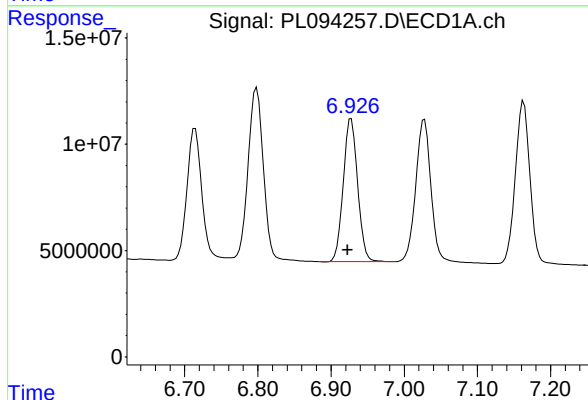
R.T.: 7.028 min
Delta R.T.: 0.005 min
Response: 95697450
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



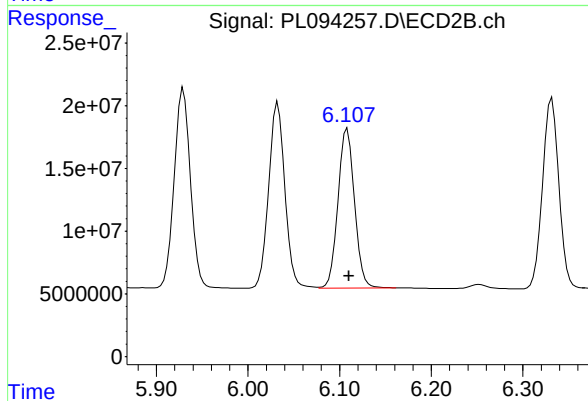
#17 4,4'-DDT

R.T.: 6.033 min
Delta R.T.: -0.002 min
Response: 182234501
Conc: 56.00 ng/ml



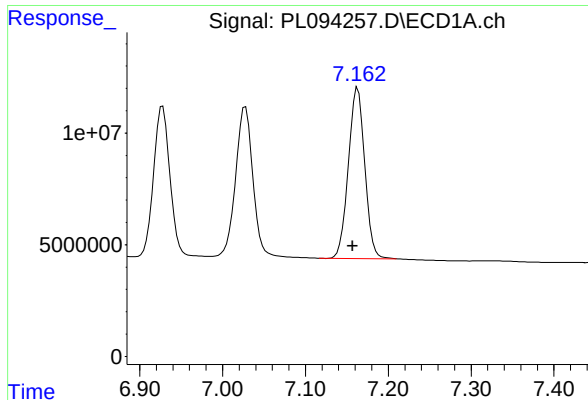
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.005 min
Response: 91838510
Conc: 47.24 ng/ml



#18 Endrin aldehyde

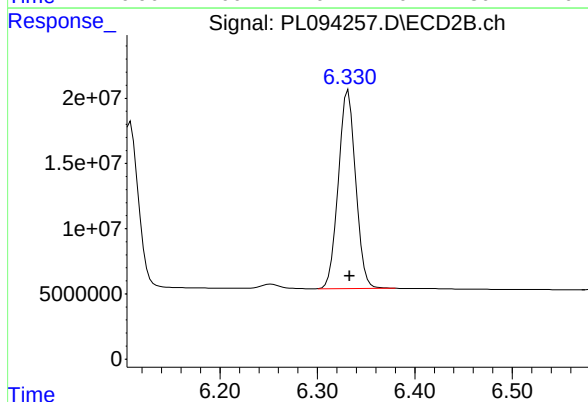
R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 159365990
Conc: 52.34 ng/ml



#19 Endosulfan Sulfate

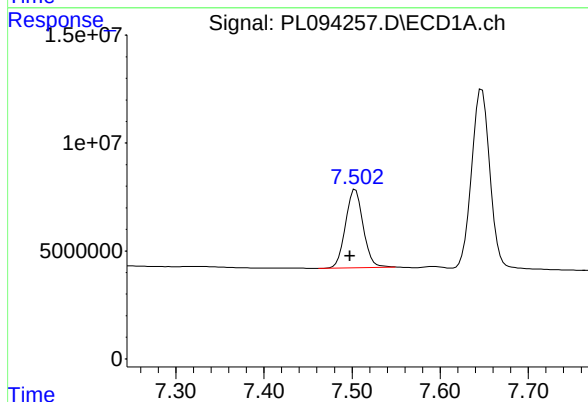
R.T.: 7.163 min
Delta R.T.: 0.006 min
Response: 105308377
Conc: 46.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



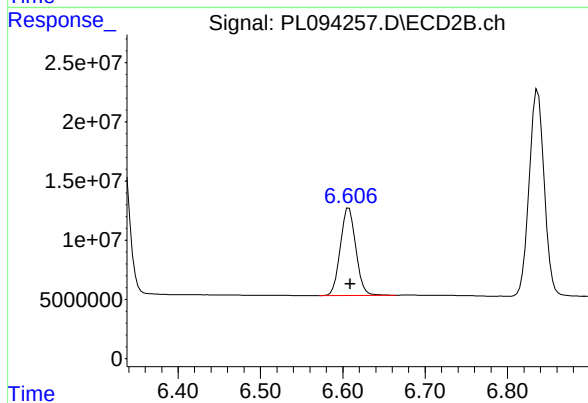
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: -0.002 min
Response: 187865326
Conc: 52.68 ng/ml



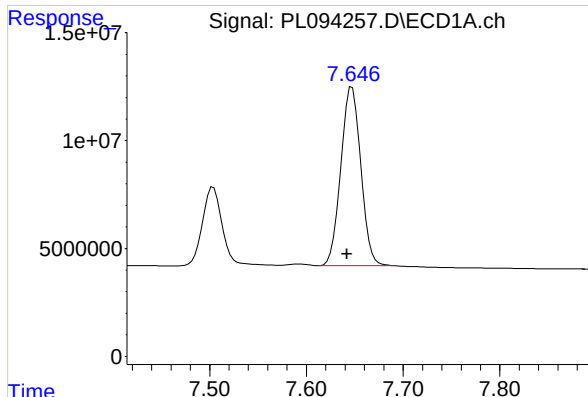
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 50438139
Conc: 48.34 ng/ml



#20 Methoxychlor

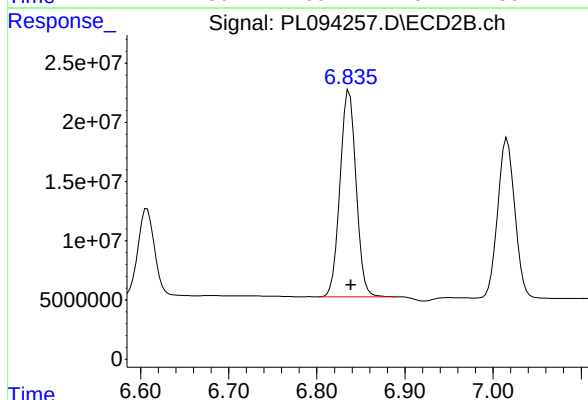
R.T.: 6.607 min
Delta R.T.: -0.002 min
Response: 96611430
Conc: 54.03 ng/ml



#21 Endrin ketone

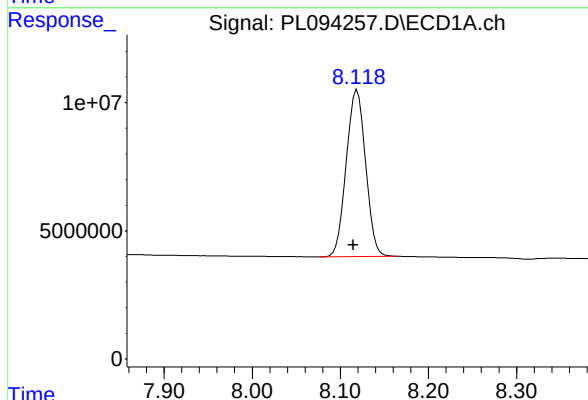
R.T.: 7.647 min
Delta R.T.: 0.005 min
Response: 118655253
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



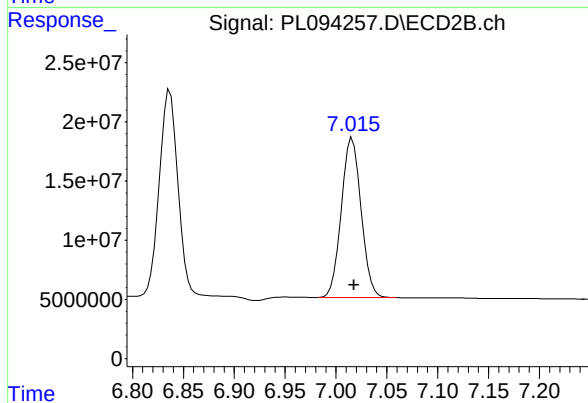
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 221843762
Conc: 52.88 ng/ml



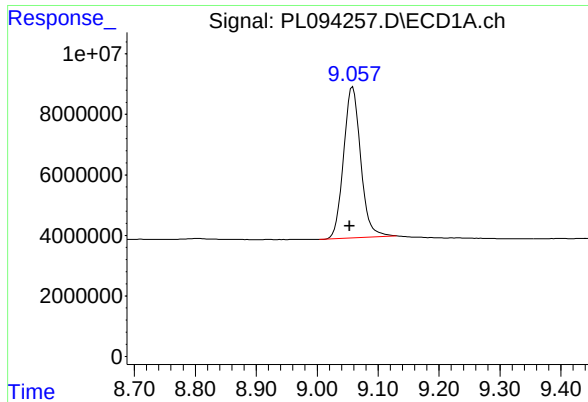
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 99673350
Conc: 47.86 ng/ml



#22 Mirex

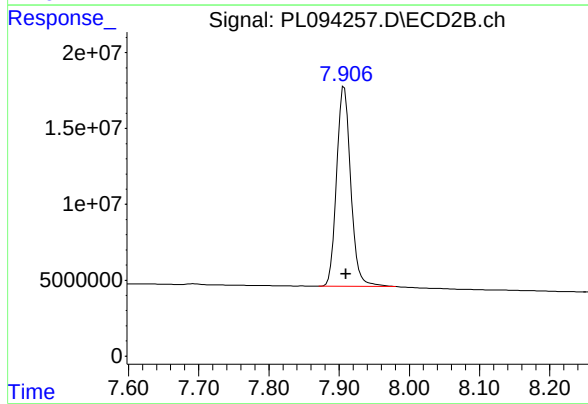
R.T.: 7.016 min
Delta R.T.: -0.002 min
Response: 182578850
Conc: 53.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.005 min
Response: 97413292
Conc: 46.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: -0.002 min
Response: 184211466
Conc: 52.57 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.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 17:47 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
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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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 17:47 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL02 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094271.D Time Analyzed: 17:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.707	6.608	6.808	50.780	50.000	1.6
4,4'-DDE	6.190	6.091	6.291	52.910	50.000	5.8
4,4'-DDT	7.020	6.922	7.122	51.960	50.000	3.9
Aldrin	5.254	5.156	5.356	50.720	50.000	1.4
alpha-BHC	3.993	3.895	4.095	48.170	50.000	-3.7
alpha-Chlordane	6.015	5.917	6.117	50.340	50.000	0.7
beta-BHC	4.524	4.425	4.625	48.560	50.000	-2.9
Decachlorobiphenyl	9.049	8.953	9.153	49.420	50.000	-1.2
delta-BHC	4.771	4.672	4.872	50.440	50.000	0.9
Dieldrin	6.341	6.243	6.443	50.030	50.000	0.1
Endosulfan I	6.066	5.967	6.167	49.940	50.000	-0.1
Endosulfan II	6.792	6.692	6.892	49.470	50.000	-1.1
Endosulfan sulfate	7.156	7.057	7.257	48.620	50.000	-2.8
Endrin	6.569	6.472	6.672	49.940	50.000	-0.1
Endrin aldehyde	6.921	6.823	7.023	49.230	50.000	-1.5
Endrin ketone	7.640	7.542	7.742	49.150	50.000	-1.7
gamma-BHC (Lindane)	4.325	4.227	4.427	48.860	50.000	-2.3
gamma-Chlordane	5.937	5.838	6.038	50.830	50.000	1.7
Heptachlor	4.911	4.814	5.014	50.990	50.000	2.0
Heptachlor epoxide	5.681	5.582	5.782	49.790	50.000	-0.4
Methoxychlor	7.497	7.398	7.598	53.520	50.000	7.0
Tetrachloro-m-xylene	3.537	3.439	3.639	47.140	50.000	-5.7



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL02 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094271.D Time Analyzed: 17:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.779	5.684	5.884	54.710	50.000	9.4
4,4'-DDE	5.225	5.130	5.330	54.240	50.000	8.5
4,4'-DDT	6.028	5.934	6.134	57.520	50.000	15.0
Aldrin	4.221	4.125	4.325	52.930	50.000	5.9
alpha-BHC	3.274	3.177	3.377	51.760	50.000	3.5
alpha-Chlordane	5.036	4.940	5.140	53.250	50.000	6.5
beta-BHC	3.904	3.807	4.007	51.450	50.000	2.9
Decachlorobiphenyl	7.905	7.810	8.010	55.250	50.000	10.5
delta-BHC	4.132	4.036	4.236	52.500	50.000	5.0
Dieldrin	5.355	5.261	5.461	53.150	50.000	6.3
Endosulfan I	5.092	4.996	5.196	53.260	50.000	6.5
Endosulfan II	5.926	5.831	6.031	53.850	50.000	7.7
Endosulfan sulfate	6.327	6.233	6.433	53.880	50.000	7.8
Endrin	5.630	5.536	5.736	54.370	50.000	8.7
Endrin aldehyde	6.106	6.010	6.210	52.860	50.000	5.7
Endrin ketone	6.834	6.739	6.939	53.900	50.000	7.8
gamma-BHC (Lindane)	3.603	3.507	3.707	52.000	50.000	4.0
gamma-Chlordane	4.973	4.877	5.077	53.200	50.000	6.4
Heptachlor	3.942	3.845	4.045	52.750	50.000	5.5
Heptachlor epoxide	4.723	4.627	4.827	52.950	50.000	5.9
Methoxychlor	6.605	6.509	6.709	55.990	50.000	12.0
Tetrachloro-m-xylene	2.771	2.674	2.874	50.220	50.000	0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 02/20/2025

Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:14:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	126.9E6	163.9E6	47.143	50.221
28)	SA Decachlor...	9.049	7.905	103.4E6	193.6E6	49.420	55.252
Target Compounds							
2)	A alpha-BHC	3.993	3.274	184.7E6	253.1E6	48.171	51.762
3)	MA gamma-BHC...	4.325	3.603	179.9E6	246.5E6	48.862	52.001
4)	MA Heptachlor	4.911	3.942	167.1E6	245.5E6	50.988m	52.747
5)	MB Aldrin	5.254	4.221	165.9E6	241.5E6	50.718	52.930
6)	B beta-BHC	4.524	3.904	78052179	102.8E6	48.560	51.454
7)	B delta-BHC	4.771	4.132	176.8E6	249.5E6	50.443	52.505
8)	B Heptachlo...	5.681	4.723	148.1E6	221.4E6	49.790	52.952
9)	A Endosulfan I	6.066	5.092	132.0E6	206.5E6	49.945	53.260
10)	B gamma-Chl...	5.937	4.973	141.7E6	225.5E6	50.832	53.204
11)	B alpha-Chl...	6.015	5.036	140.4E6	223.0E6	50.344	53.255
12)	B 4,4'-DDE	6.190	5.225	128.8E6	217.5E6	52.912	54.235
13)	MA Dieldrin	6.341	5.355	138.9E6	228.3E6	50.029	53.151m
14)	MA Endrin	6.569	5.630	117.1E6	200.8E6	49.940m	54.368m
15)	B Endosulfa...	6.792	5.926	119.2E6	199.5E6	49.475	53.854m
16)	A 4,4'-DDD	6.707	5.779	96506849	172.7E6	50.778	54.708m
17)	MA 4,4'-DDT	7.020	6.028	102.5E6	187.2E6	51.960	57.519m
18)	B Endrin al...	6.921	6.106	95712031	161.0E6	49.233	52.865
19)	B Endosulfa...	7.156	6.327	110.1E6	192.2E6	48.623	53.884m
20)	A Methoxychlor	7.497	6.605	55837834	100.1E6	53.515	55.990
21)	B Endrin ke...	7.640	6.834	124.0E6	226.1E6	49.149	53.902
22)	Mirex	8.113	7.014	101.0E6	184.3E6	48.496	54.505

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

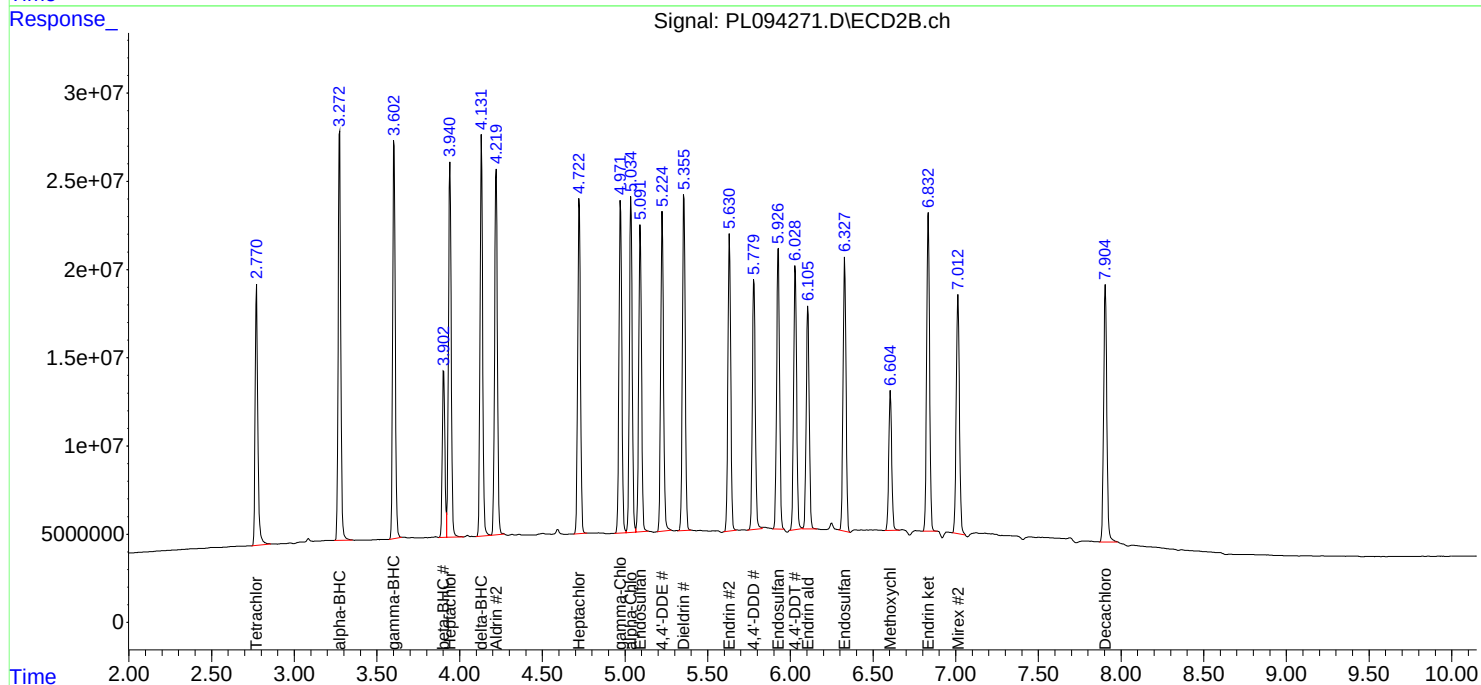
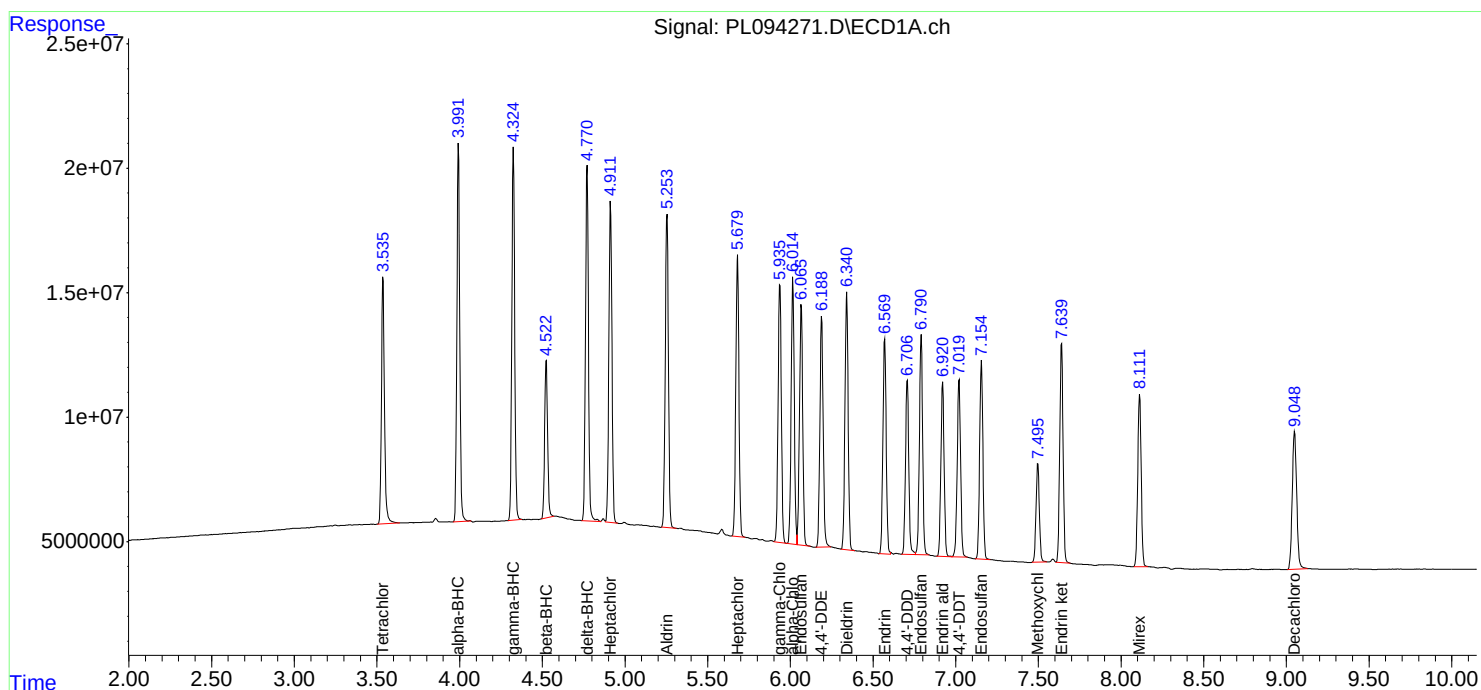
Manual Integrations

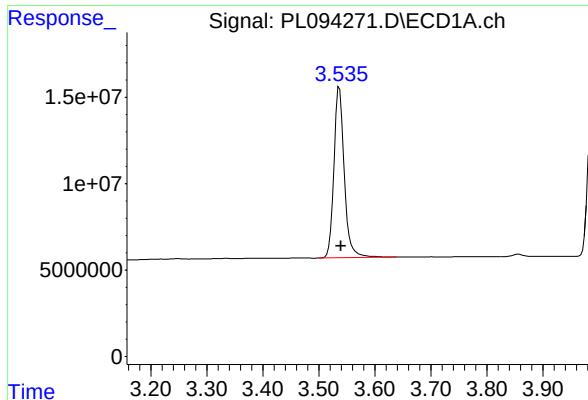
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





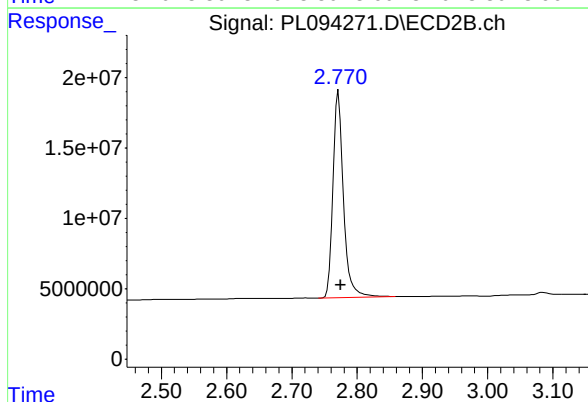
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 126945775
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

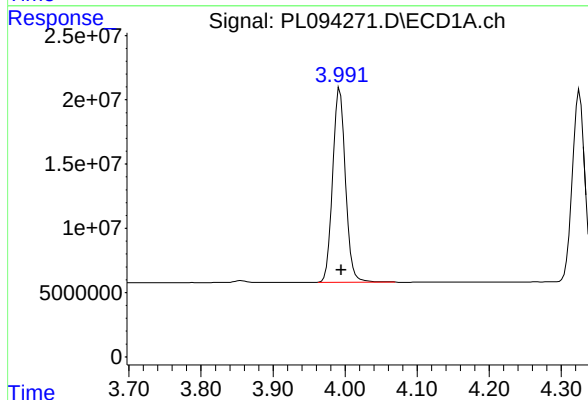
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



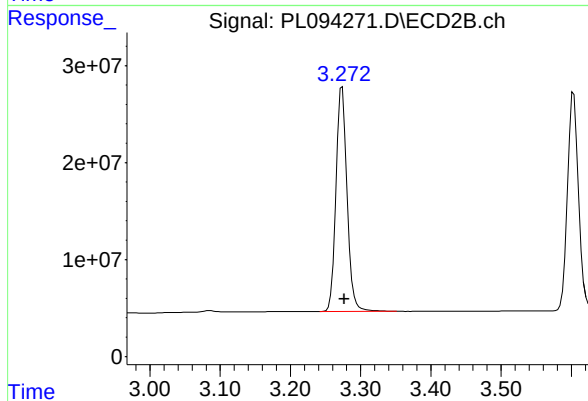
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 163929334
Conc: 50.22 ng/ml



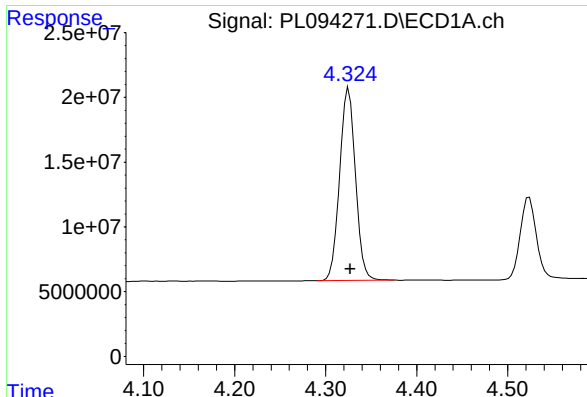
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 184680350
Conc: 48.17 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 253065338
Conc: 51.76 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179949609
Conc: 48.86 ng/ml

Instrument :

ECD_L

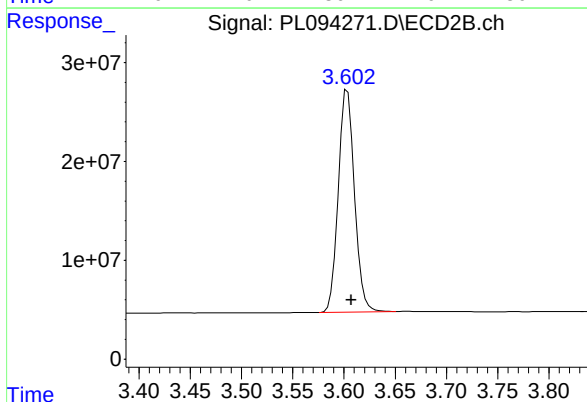
ClientSampleId :

PSTDCCC050

Manual Integrations

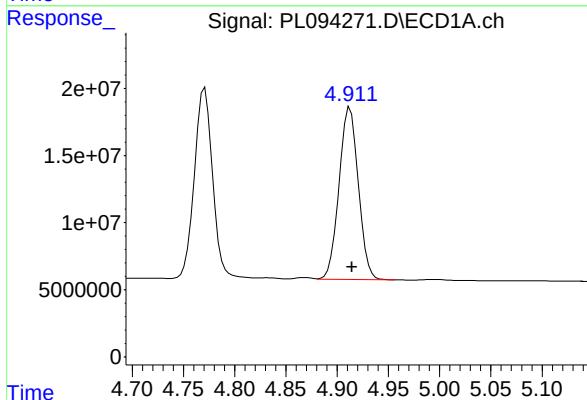
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



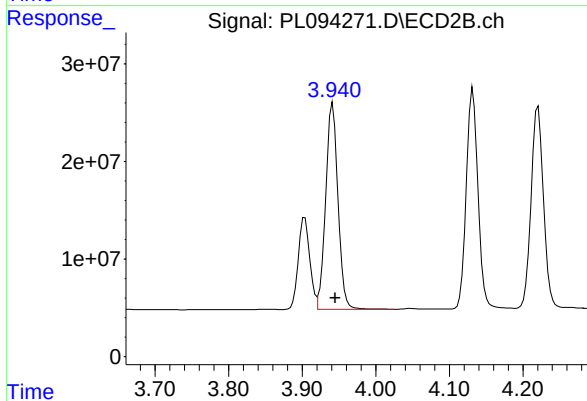
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 246547370
Conc: 52.00 ng/ml



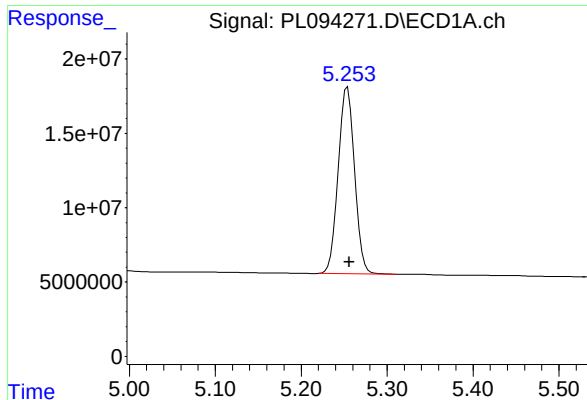
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 167104000
Conc: 50.99 ng/ml m



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245524682
Conc: 52.75 ng/ml



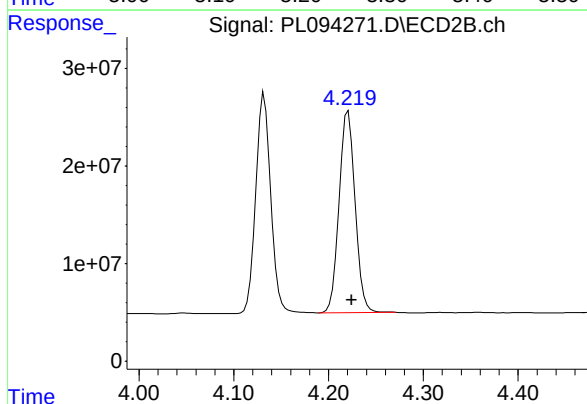
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 165949100
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

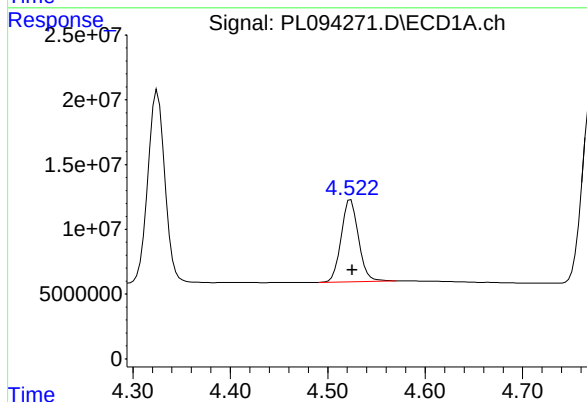
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



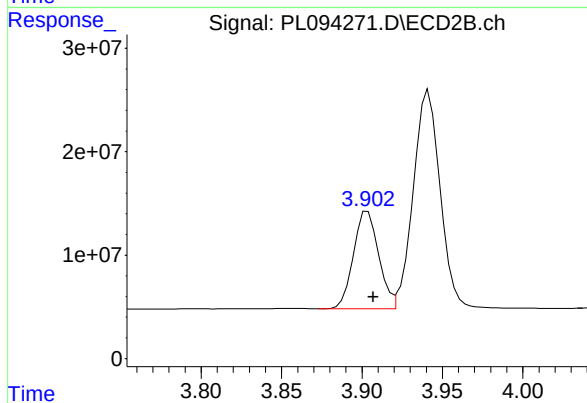
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 241458065
Conc: 52.93 ng/ml



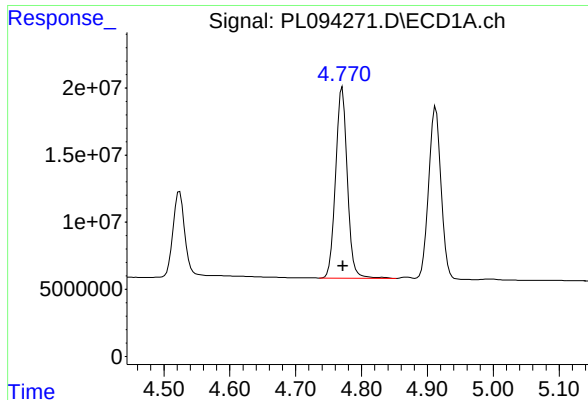
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 78052179
Conc: 48.56 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 102776604
Conc: 51.45 ng/ml



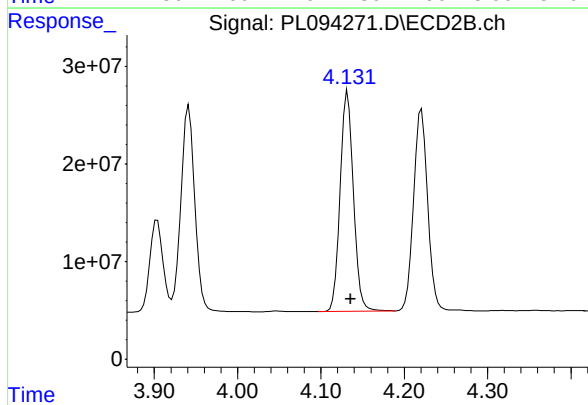
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 176818073
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

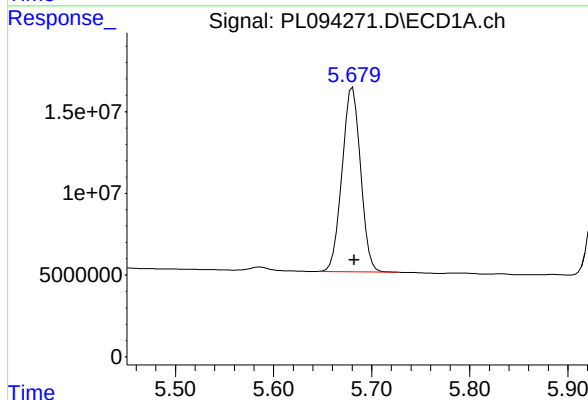
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



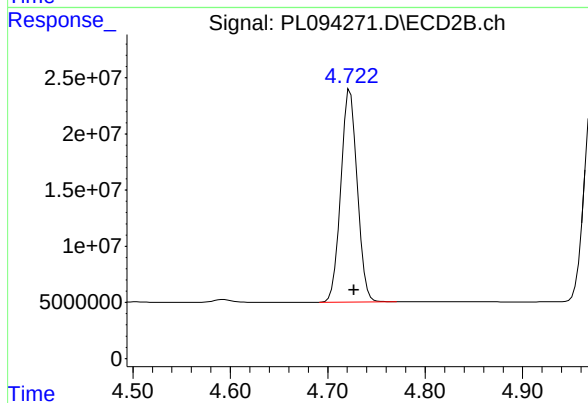
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 249462609
Conc: 52.50 ng/ml



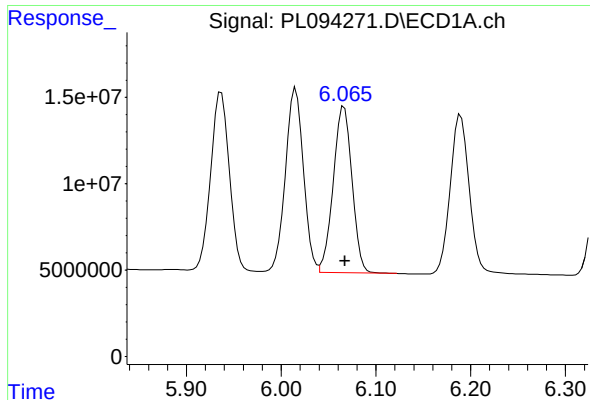
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 148068074
Conc: 49.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221351908
Conc: 52.95 ng/ml



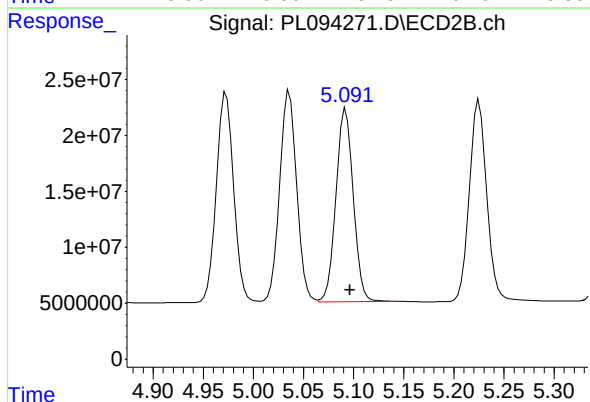
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 131996359
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

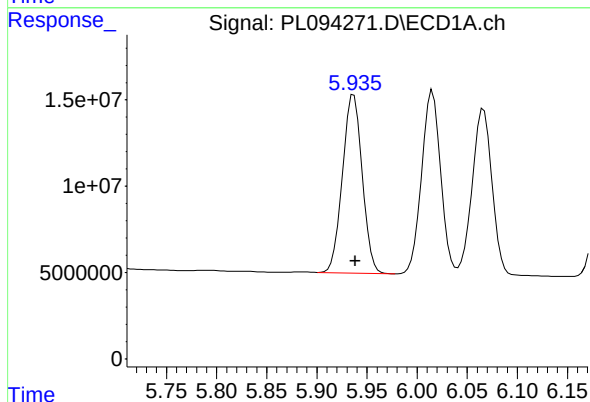
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



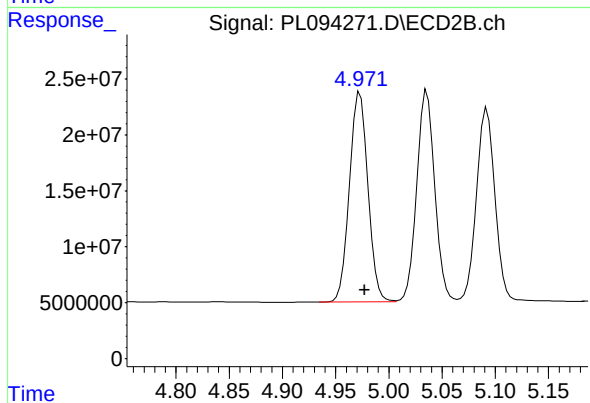
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 206482891
Conc: 53.26 ng/ml



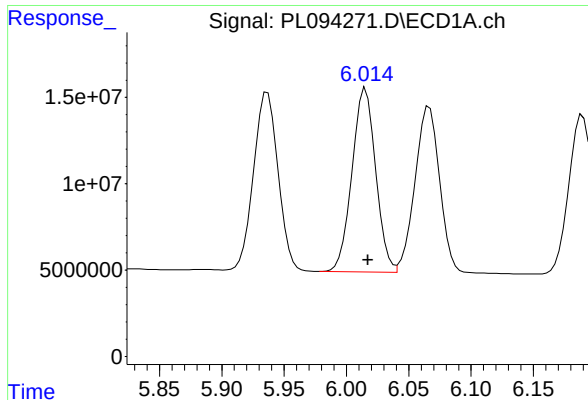
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 50.83 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 53.20 ng/ml



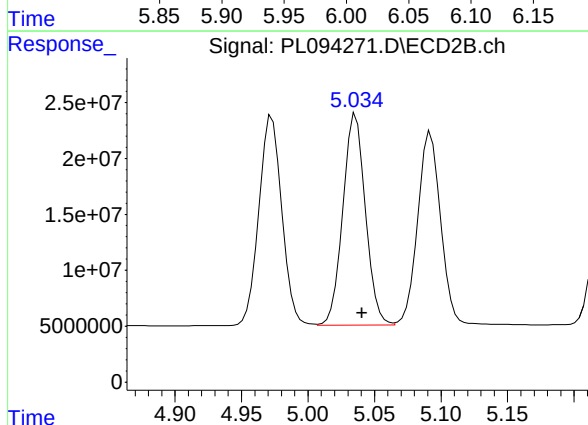
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140378806
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

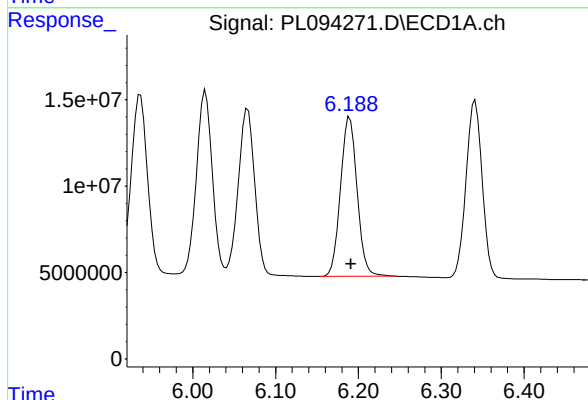
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



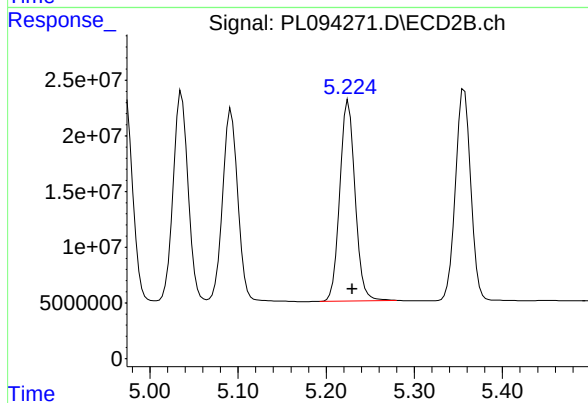
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 222955415
Conc: 53.25 ng/ml



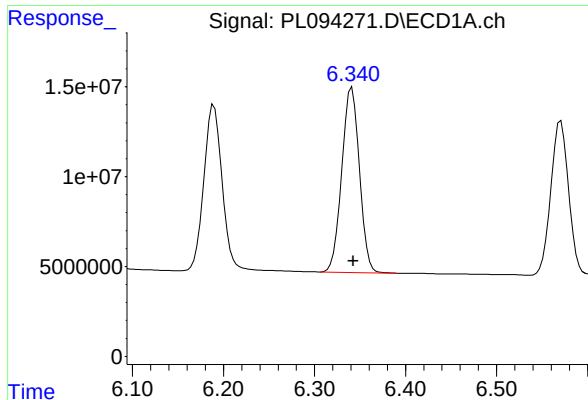
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 128818827
Conc: 52.91 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 217454593
Conc: 54.24 ng/ml



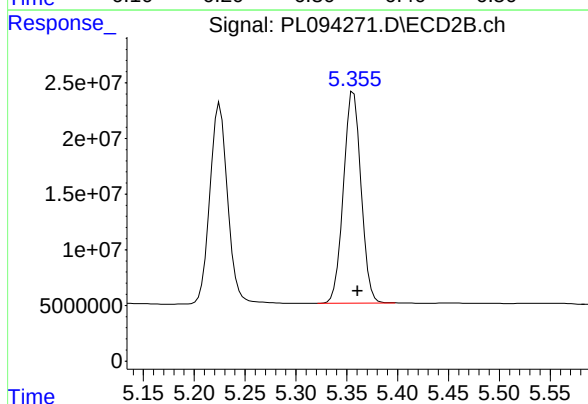
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 138874400
Conc: 50.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

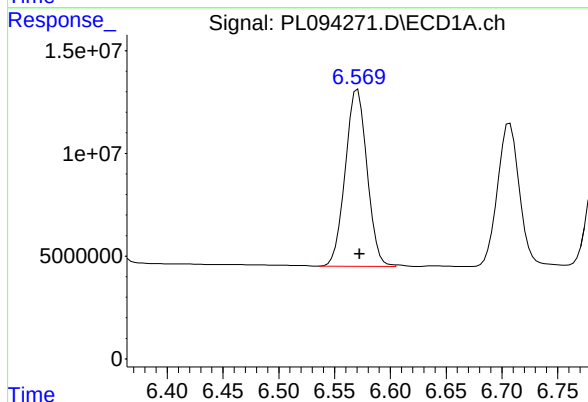
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



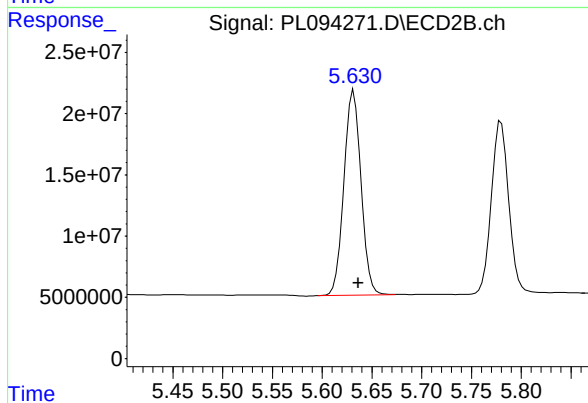
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.006 min
Response: 228316810
Conc: 53.15 ng/ml



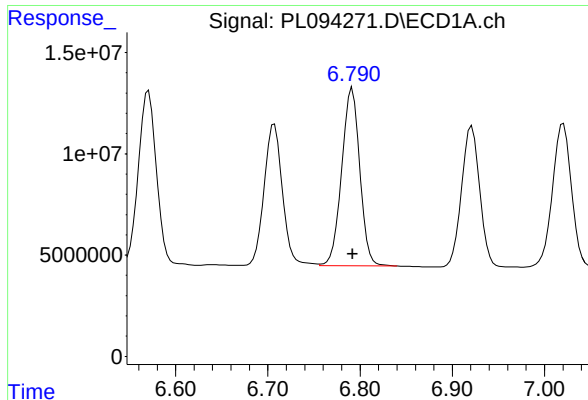
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 117101152
Conc: 49.94 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.006 min
Response: 200764704
Conc: 54.37 ng/ml



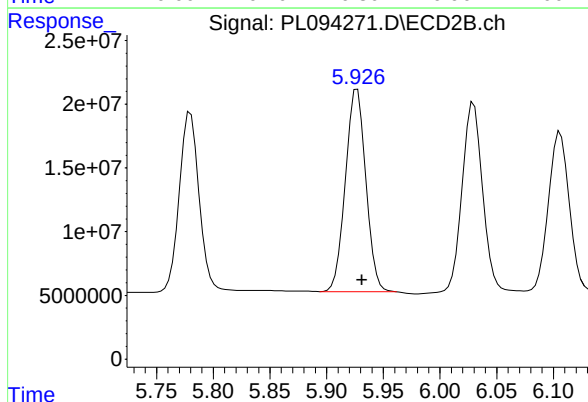
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 119201640
Conc: 49.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

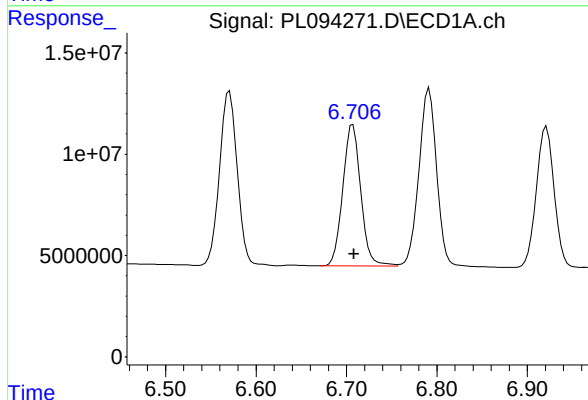
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



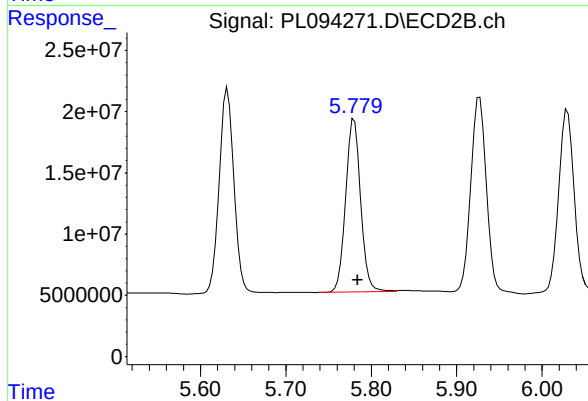
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.006 min
Response: 199465495
Conc: 53.85 ng/ml m



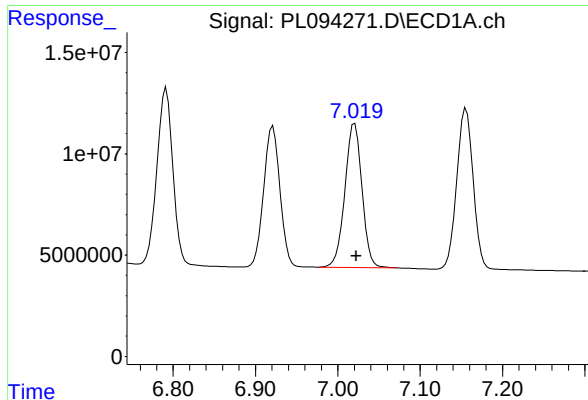
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 96506849
Conc: 50.78 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.006 min
Response: 172688143
Conc: 54.71 ng/ml m



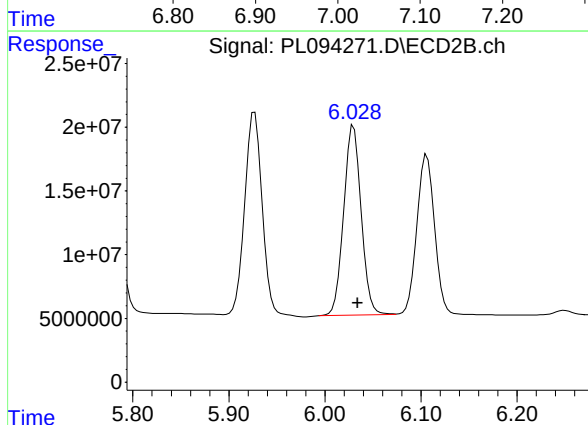
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 102468412
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

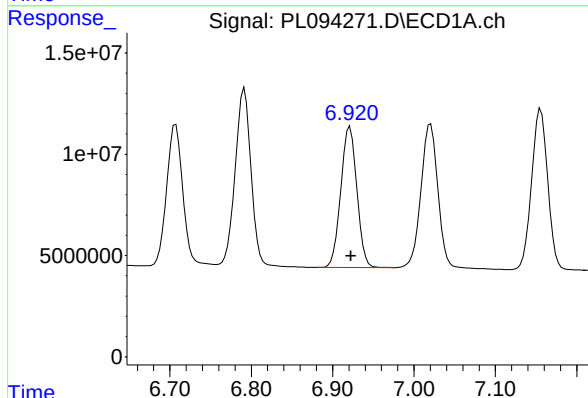
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



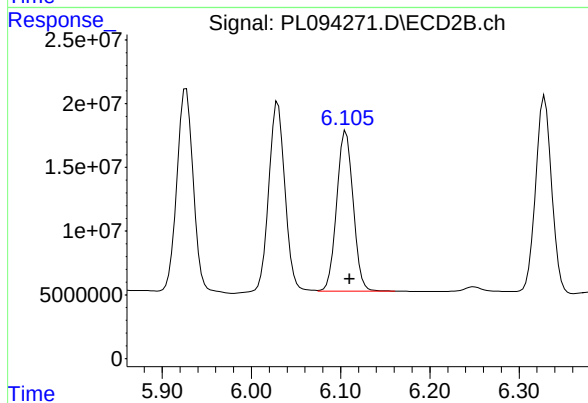
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 187168751
Conc: 57.52 ng/ml



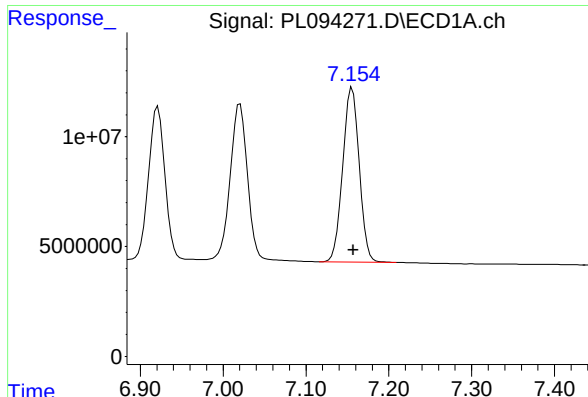
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95712031
Conc: 49.23 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 160954390
Conc: 52.86 ng/ml



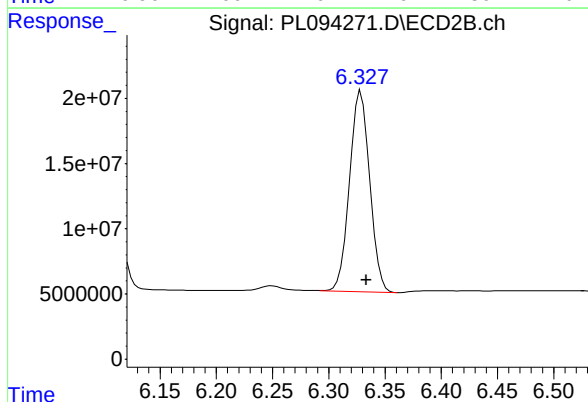
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.001 min
Response: 110069056
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

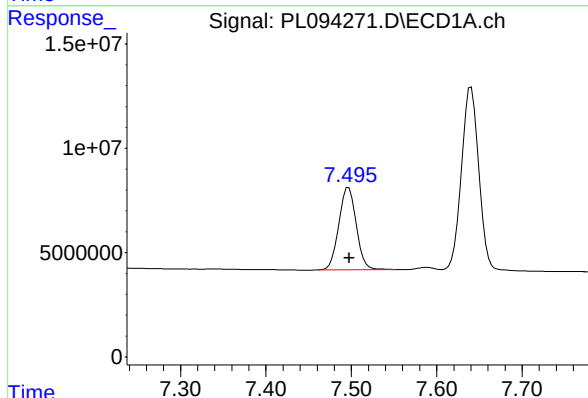
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



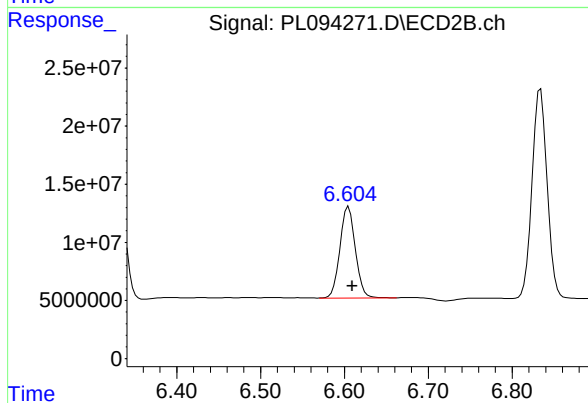
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.006 min
Response: 192154190
Conc: 53.88 ng/ml



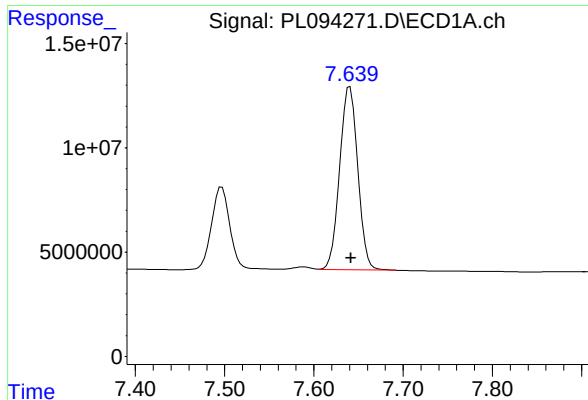
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55837834
Conc: 53.52 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 100117813
Conc: 55.99 ng/ml



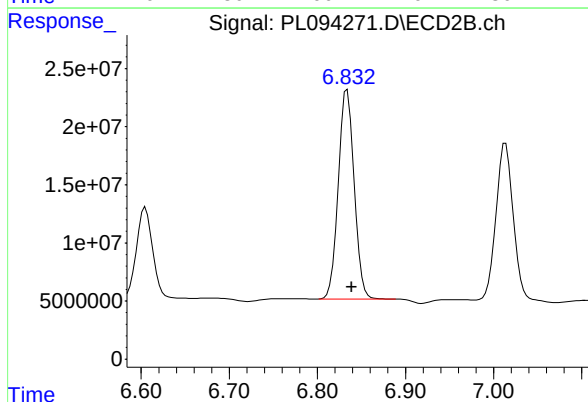
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 123984963
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

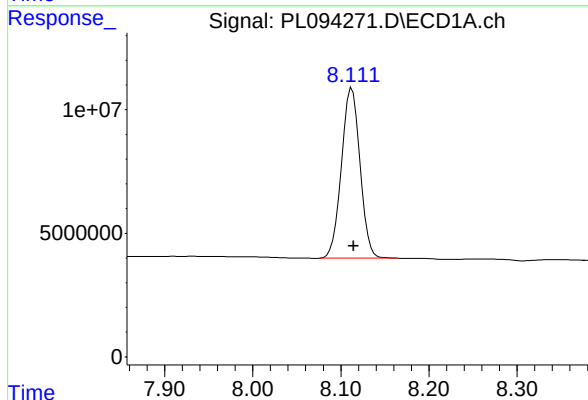
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



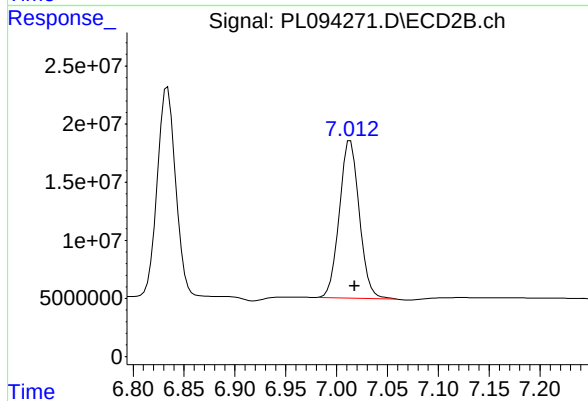
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 226132509
Conc: 53.90 ng/ml



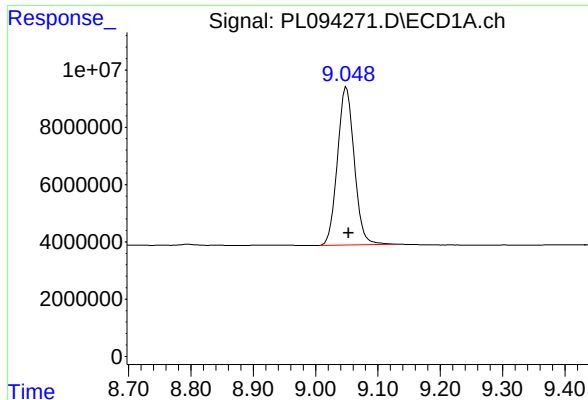
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 100992847
Conc: 48.50 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184331019
Conc: 54.51 ng/ml



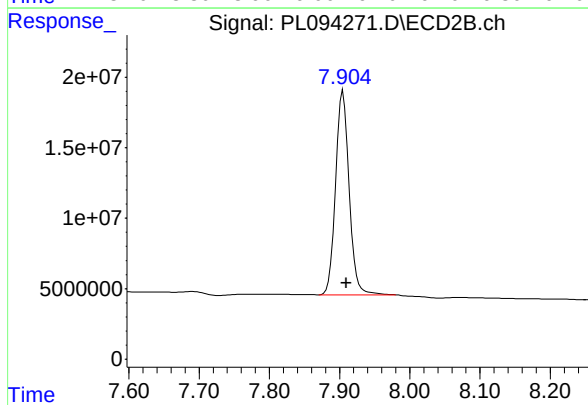
#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 103382611
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 193607995
Conc: 55.25 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.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 21:10 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
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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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

Continuing Calib Date: 02/19/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 21:10 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL03 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094286.D Time Analyzed: 21:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.608	6.808	52.470	50.000	4.9
4,4'-DDE	6.189	6.091	6.291	53.290	50.000	6.6
4,4'-DDT	7.020	6.922	7.122	51.410	50.000	2.8
Aldrin	5.254	5.156	5.356	50.190	50.000	0.4
alpha-BHC	3.992	3.895	4.095	48.420	50.000	-3.2
alpha-Chlordane	6.015	5.917	6.117	50.280	50.000	0.6
beta-BHC	4.523	4.425	4.625	48.780	50.000	-2.4
Decachlorobiphenyl	9.050	8.953	9.153	49.710	50.000	-0.6
delta-BHC	4.770	4.672	4.872	49.600	50.000	-0.8
Dieldrin	6.340	6.243	6.443	49.520	50.000	-1.0
Endosulfan I	6.066	5.967	6.167	49.680	50.000	-0.6
Endosulfan II	6.791	6.692	6.892	48.770	50.000	-2.5
Endosulfan sulfate	7.155	7.057	7.257	48.290	50.000	-3.4
Endrin	6.571	6.472	6.672	48.450	50.000	-3.1
Endrin aldehyde	6.921	6.823	7.023	49.370	50.000	-1.3
Endrin ketone	7.640	7.542	7.742	49.370	50.000	-1.3
gamma-BHC (Lindane)	4.325	4.227	4.427	48.760	50.000	-2.5
gamma-Chlordane	5.937	5.838	6.038	50.680	50.000	1.4
Heptachlor	4.912	4.814	5.014	49.310	50.000	-1.4
Heptachlor epoxide	5.680	5.582	5.782	49.510	50.000	-1.0
Methoxychlor	7.496	7.398	7.598	52.820	50.000	5.6
Tetrachloro-m-xylene	3.536	3.439	3.639	47.350	50.000	-5.3



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No.: CCAL03 Date Analyzed: 02/19/2025

Lab Sample No.: PSTDCCC050 Data File : PL094286.D Time Analyzed: 21:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.780	5.684	5.884	55.680	50.000	11.4
4,4'-DDE	5.225	5.130	5.330	54.060	50.000	8.1
4,4'-DDT	6.029	5.934	6.134	55.020	50.000	10.0
Aldrin	4.220	4.125	4.325	52.790	50.000	5.6
alpha-BHC	3.274	3.177	3.377	52.140	50.000	4.3
alpha-Chlordane	5.036	4.940	5.140	52.600	50.000	5.2
beta-BHC	3.904	3.807	4.007	51.880	50.000	3.8
Decachlorobiphenyl	7.905	7.810	8.010	52.990	50.000	6.0
delta-BHC	4.132	4.036	4.236	52.530	50.000	5.1
Dieldrin	5.356	5.261	5.461	52.390	50.000	4.8
Endosulfan I	5.092	4.996	5.196	52.230	50.000	4.5
Endosulfan II	5.925	5.831	6.031	53.300	50.000	6.6
Endosulfan sulfate	6.328	6.233	6.433	52.450	50.000	4.9
Endrin	5.632	5.536	5.736	51.850	50.000	3.7
Endrin aldehyde	6.106	6.010	6.210	52.110	50.000	4.2
Endrin ketone	6.834	6.739	6.939	53.450	50.000	6.9
gamma-BHC (Lindane)	3.603	3.507	3.707	52.280	50.000	4.6
gamma-Chlordane	4.973	4.877	5.077	52.590	50.000	5.2
Heptachlor	3.941	3.845	4.045	52.030	50.000	4.1
Heptachlor epoxide	4.723	4.627	4.827	52.870	50.000	5.7
Methoxychlor	6.605	6.509	6.709	54.670	50.000	9.3
Tetrachloro-m-xylene	2.771	2.674	2.874	50.810	50.000	1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094286.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 21:10
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 02/20/2025

Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:18:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	127.5E6	165.9E6	47.352	50.814
28)	SA Decachlor...	9.050	7.905	104.0E6	185.7E6	49.713	52.993
Target Compounds							
2)	A alpha-BHC	3.992	3.274	185.6E6	254.9E6	48.421	52.143
3)	MA gamma-BHC...	4.325	3.603	179.6E6	247.9E6	48.762	52.277
4)	MA Heptachlor	4.912	3.941	161.6E6	242.2E6	49.312	52.032
5)	MB Aldrin	5.254	4.220	164.2E6	240.8E6	50.195	52.788
6)	B beta-BHC	4.523	3.904	78410142	103.6E6	48.783	51.878
7)	B delta-BHC	4.770	4.132	173.9E6	249.6E6	49.599	52.528
8)	B Heptachlo...	5.680	4.723	147.2E6	221.0E6	49.508	52.873
9)	A Endosulfan I	6.066	5.092	131.3E6	202.5E6	49.681	52.227
10)	B gamma-Chl...	5.937	4.973	141.3E6	222.9E6	50.683	52.591
11)	B alpha-Chl...	6.015	5.036	140.2E6	220.2E6	50.279	52.597
12)	B 4,4'-DDE	6.189	5.225	129.7E6	216.8E6	53.291	54.064
13)	MA Dieldrin	6.340	5.356	137.5E6	225.1E6	49.518	52.393m
14)	MA Endrin	6.571	5.632	113.6E6	191.5E6	48.447	51.846
15)	B Endosulfa...	6.791	5.925	117.5E6	197.4E6	48.774	53.302m
16)	A 4,4'-DDD	6.706	5.780	99726881	175.8E6	52.472	55.682
17)	MA 4,4'-DDT	7.020	6.029	101.4E6	179.0E6	51.410	55.021
18)	B Endrin al...	6.921	6.106	95983181	158.6E6	49.373	52.108
19)	B Endosulfa...	7.155	6.328	109.3E6	187.1E6	48.290	52.453m
20)	A Methoxychlor	7.496	6.605	55114463	97766290	52.822	54.675
21)	B Endrin ke...	7.640	6.834	124.5E6	224.2E6	49.366	53.449
22)	Mirex	8.112	7.014	98978888	176.5E6	47.529	52.177

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

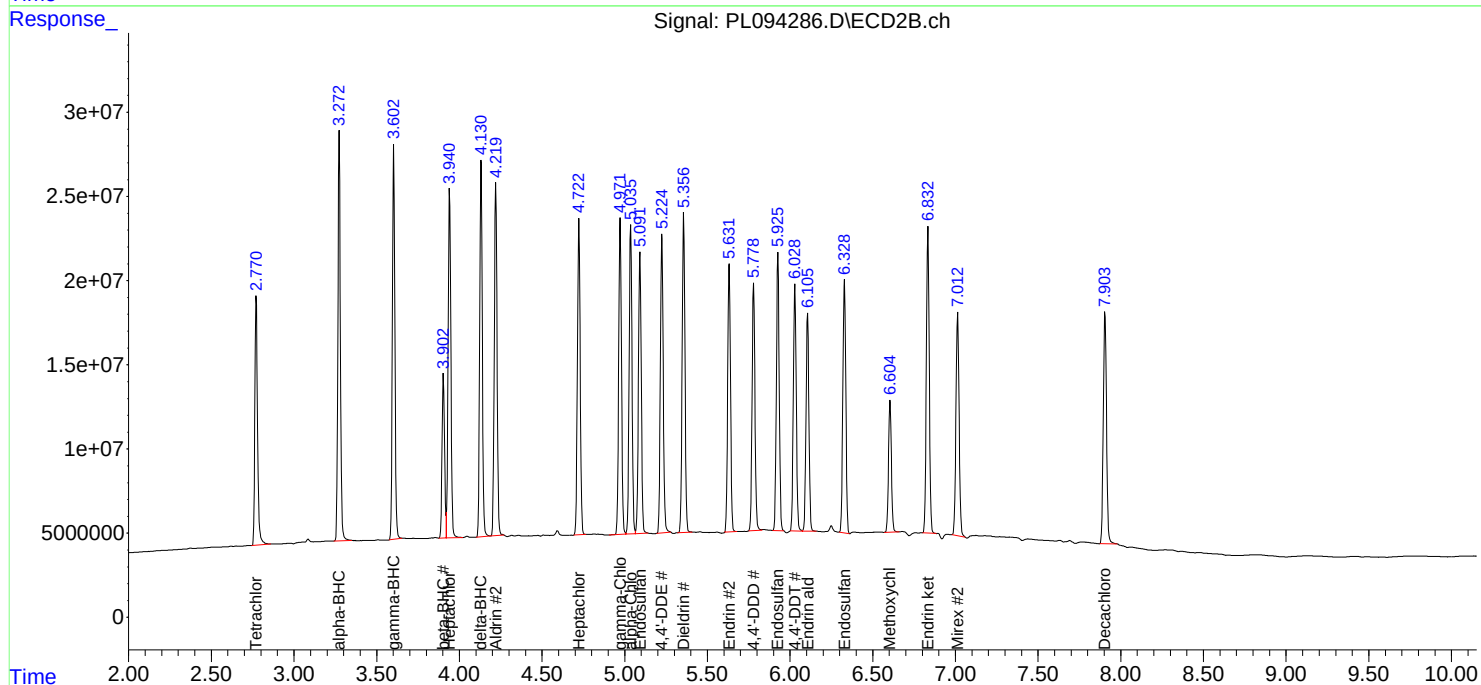
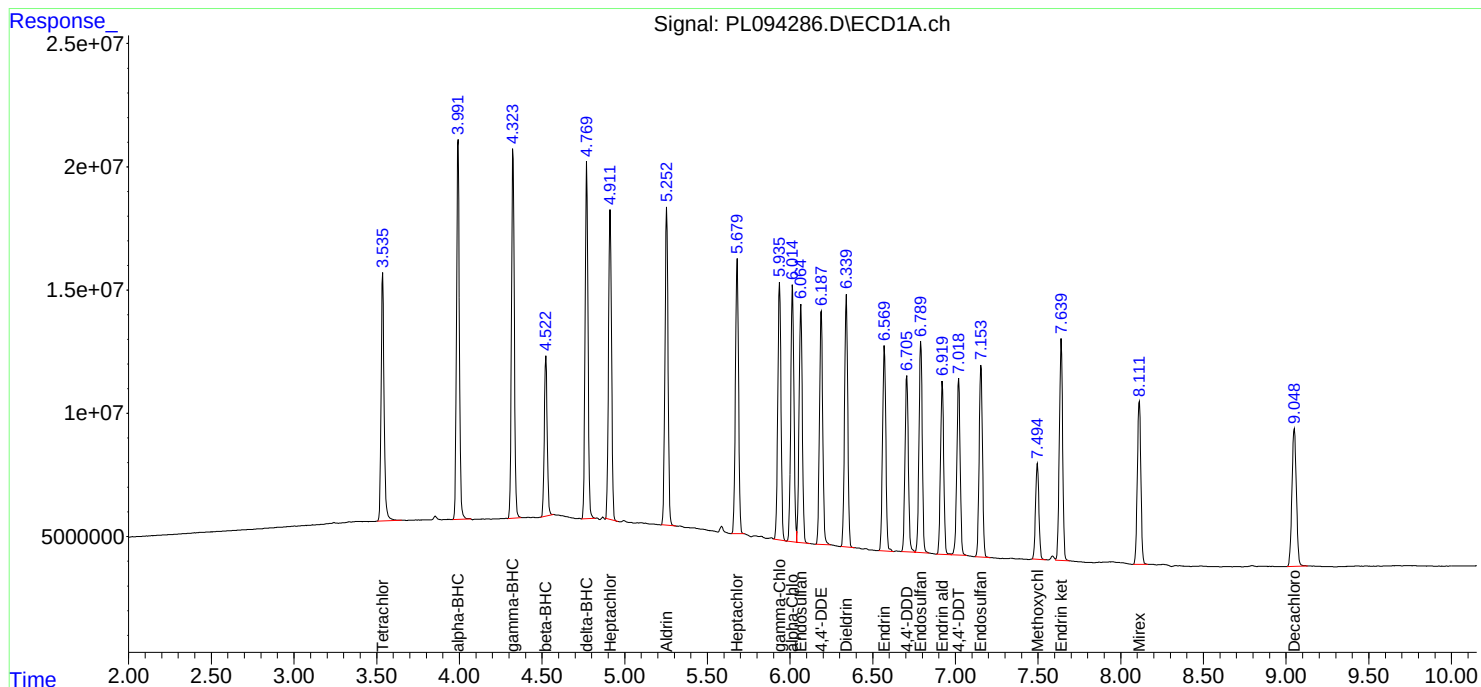
APPROVED

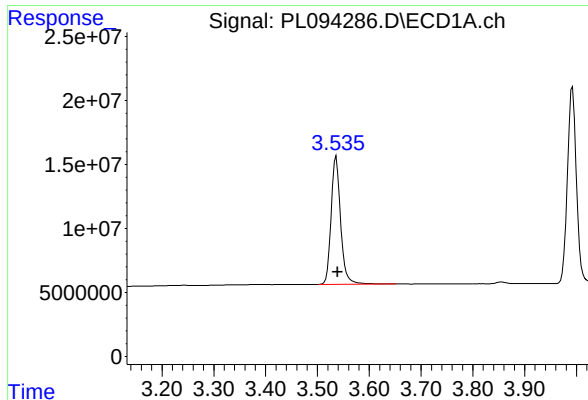
Reviewed By :Abdul Mirza 02/20/2025

Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





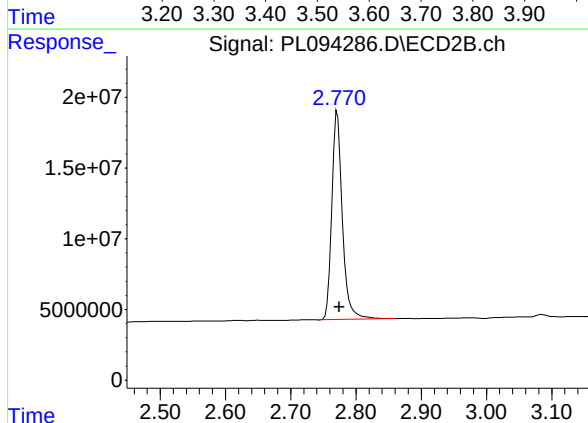
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 127507172
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

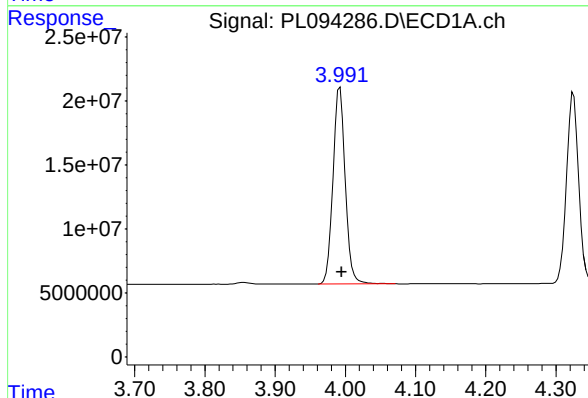
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



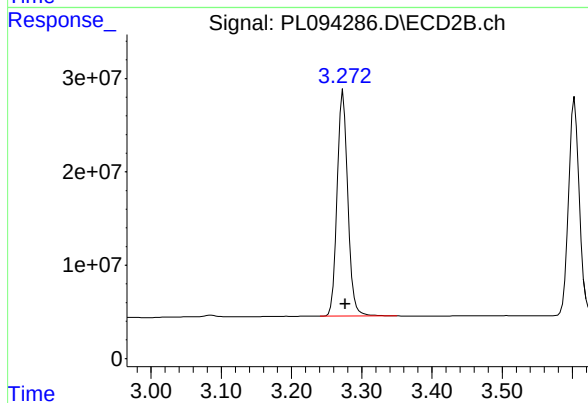
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 165866304
Conc: 50.81 ng/ml



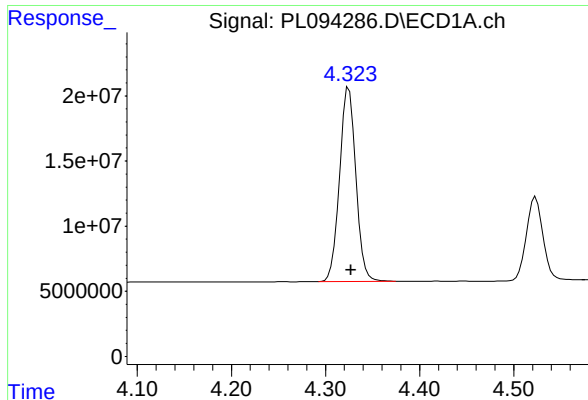
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 185639999
Conc: 48.42 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 254925562
Conc: 52.14 ng/ml



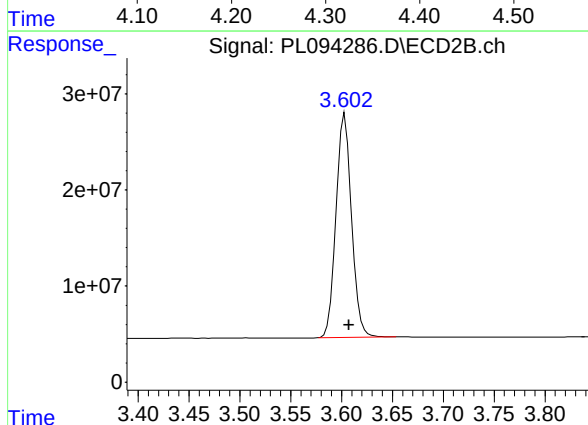
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179582555
Conc: 48.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

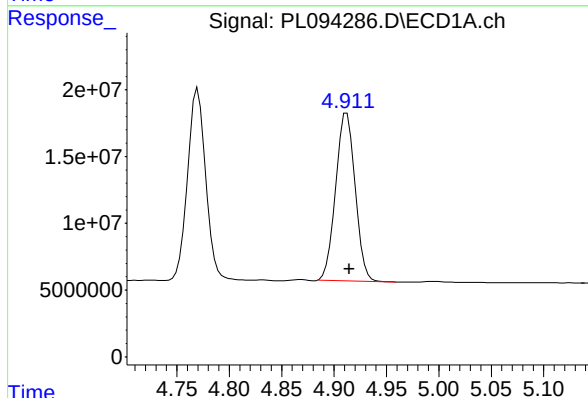
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



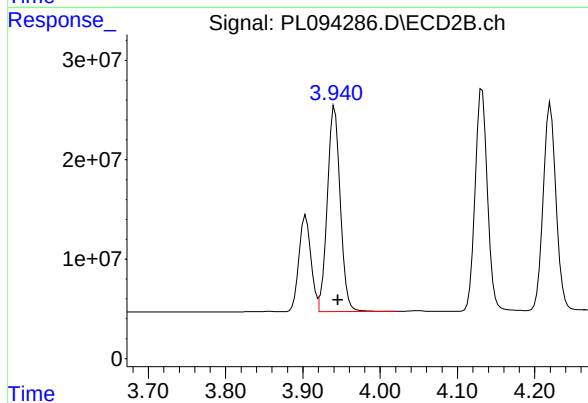
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 247858097
Conc: 52.28 ng/ml



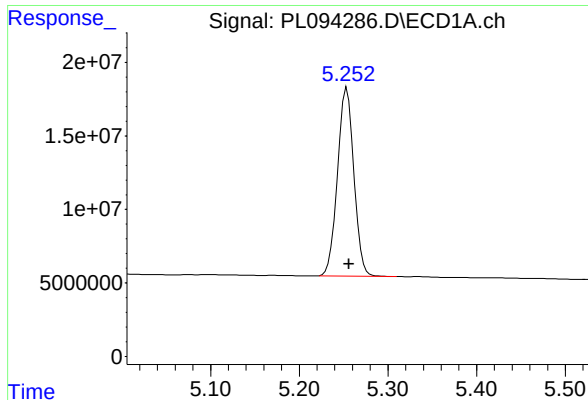
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 161612350
Conc: 49.31 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 242197648
Conc: 52.03 ng/ml



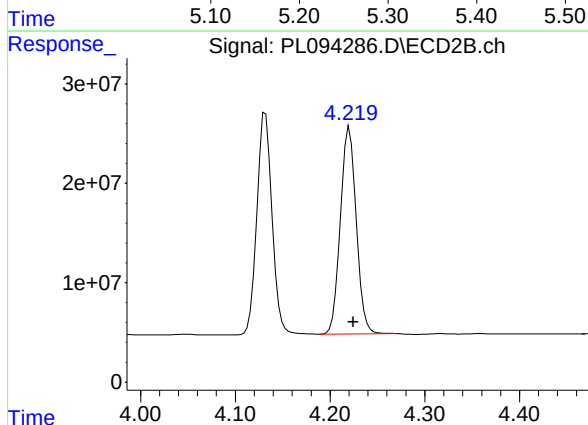
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 164236099
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

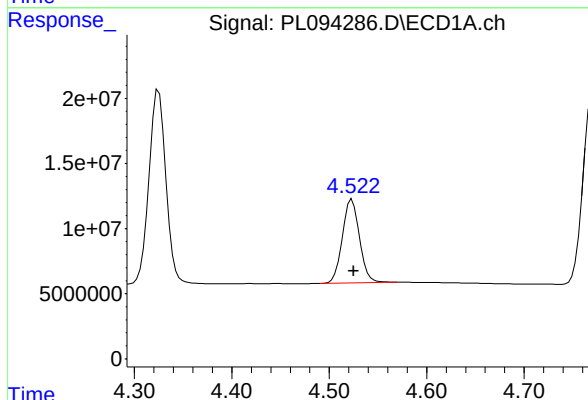
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



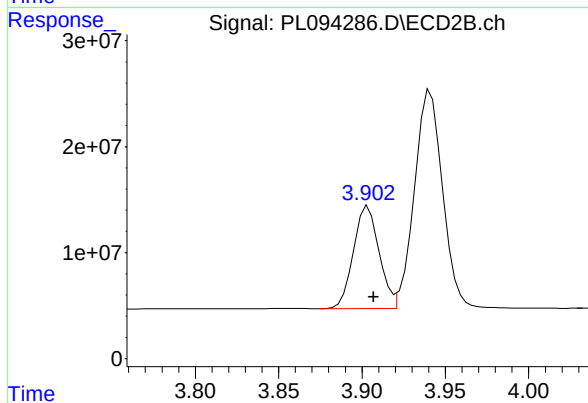
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 240807744
Conc: 52.79 ng/ml



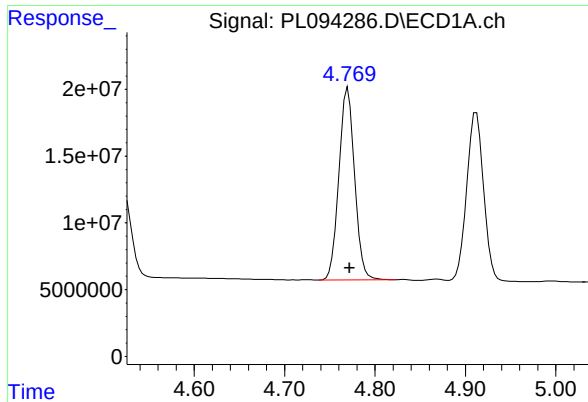
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 78410142
Conc: 48.78 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 103622183
Conc: 51.88 ng/ml



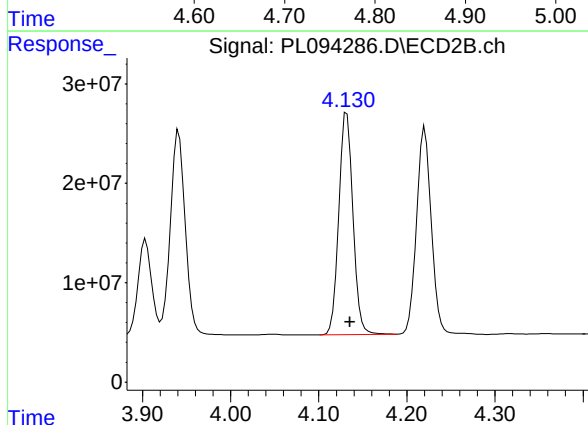
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 173859719
Conc: 49.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

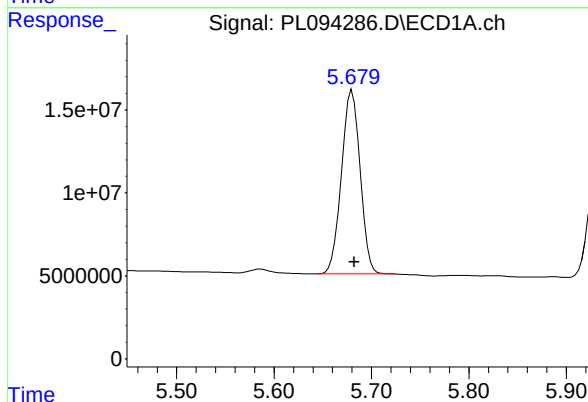
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



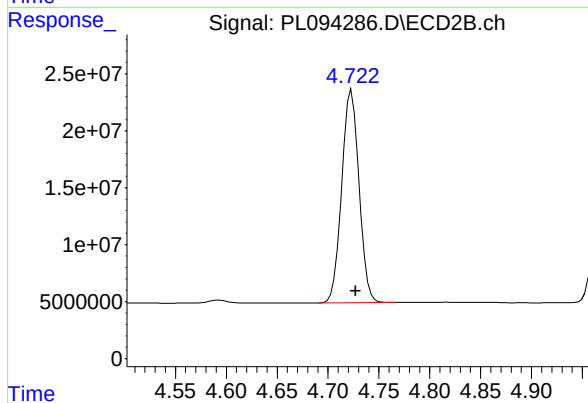
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 249573313
Conc: 52.53 ng/ml



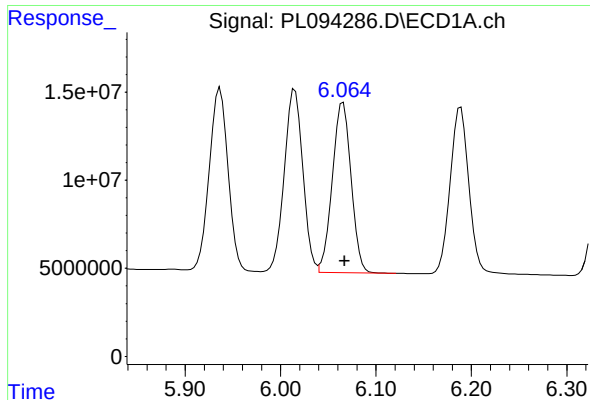
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 147227586
Conc: 49.51 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221022547
Conc: 52.87 ng/ml



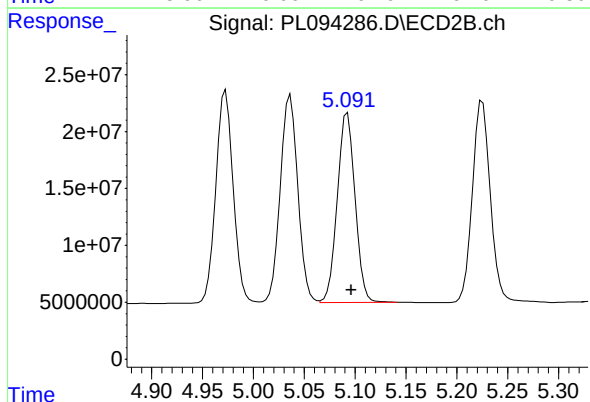
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 131299703
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

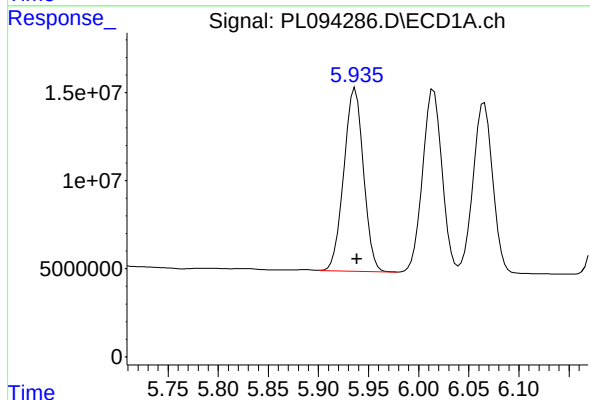
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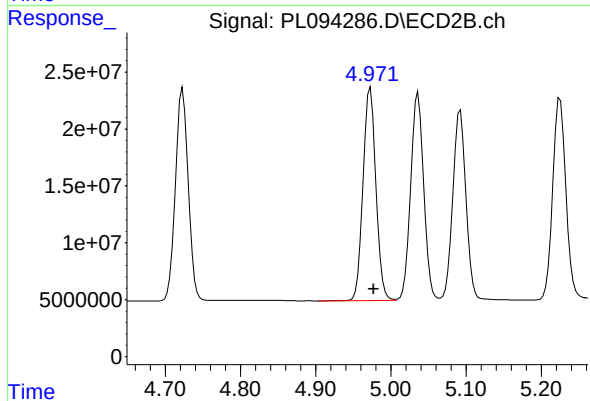
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 202480650
Conc: 52.23 ng/ml



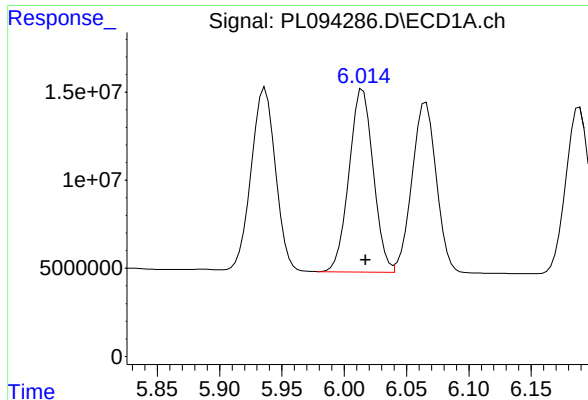
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 50.68 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 52.59 ng/ml



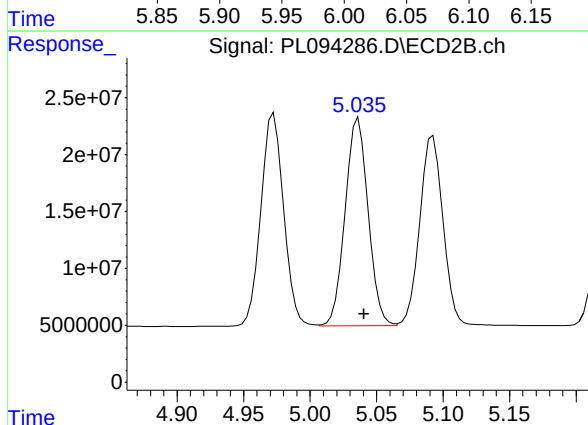
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140197939
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

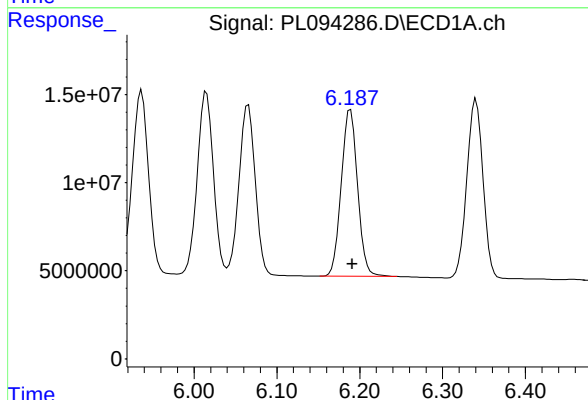
Manual Integrations
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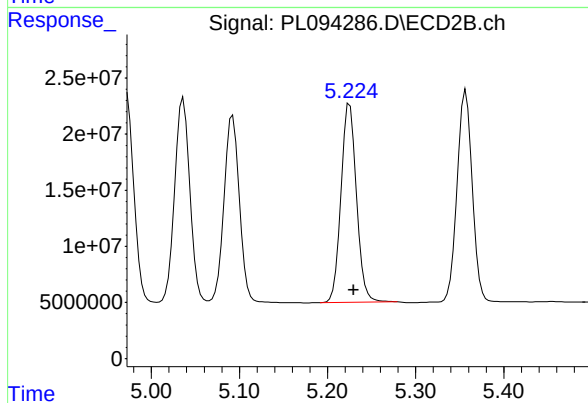
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 52.60 ng/ml



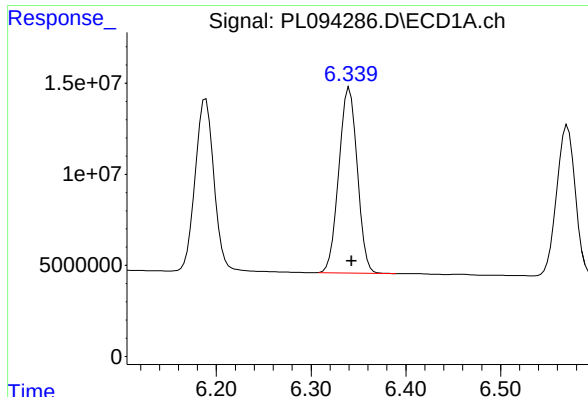
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 129742633
Conc: 53.29 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 216766920
Conc: 54.06 ng/ml



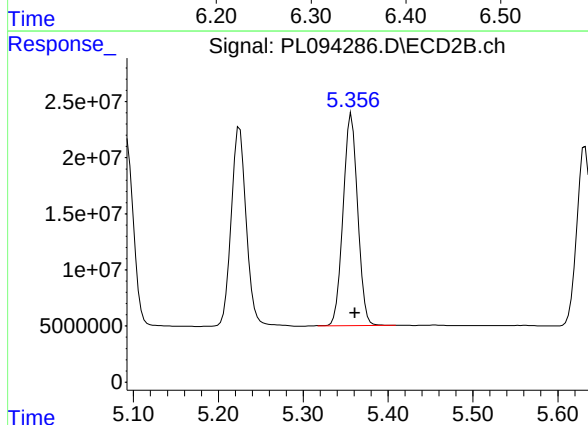
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 137453616
Conc: 49.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

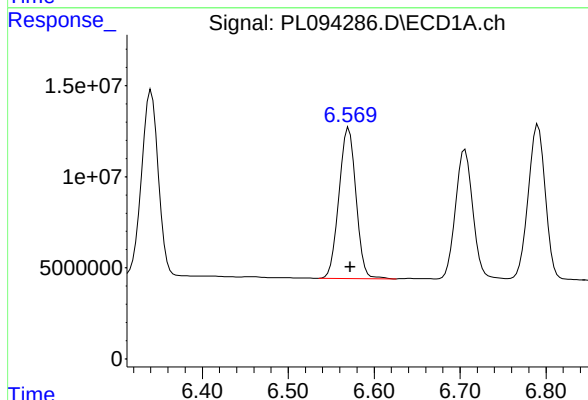
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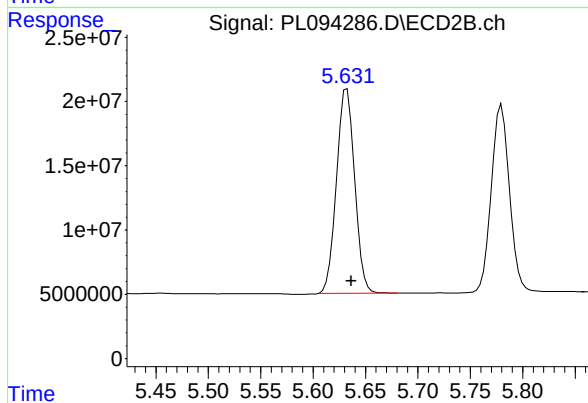
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 225061400
Conc: 52.39 ng/ml



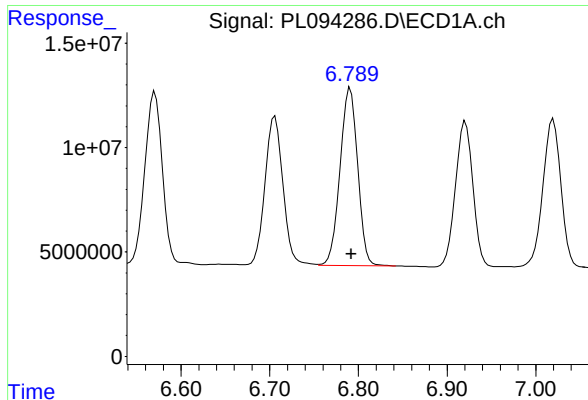
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 113600279
Conc: 48.45 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 191452089
Conc: 51.85 ng/ml



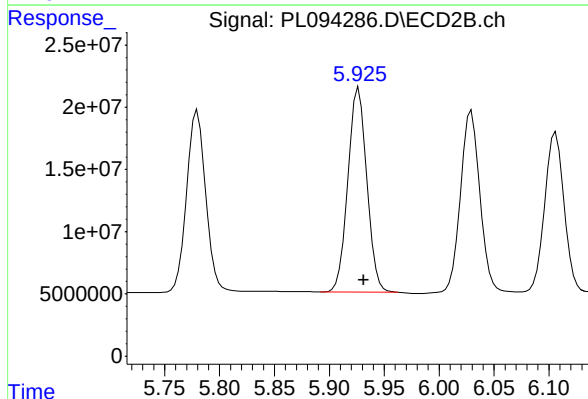
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.001 min
Response: 117514341
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

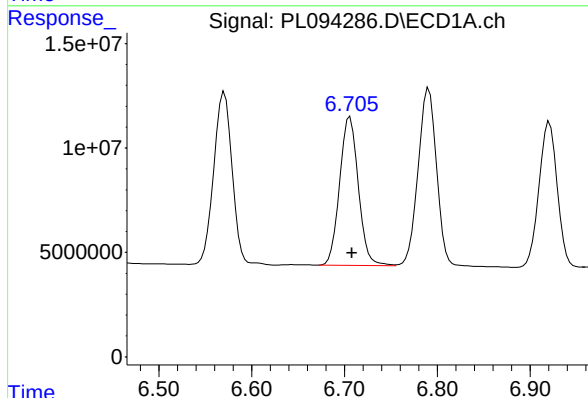
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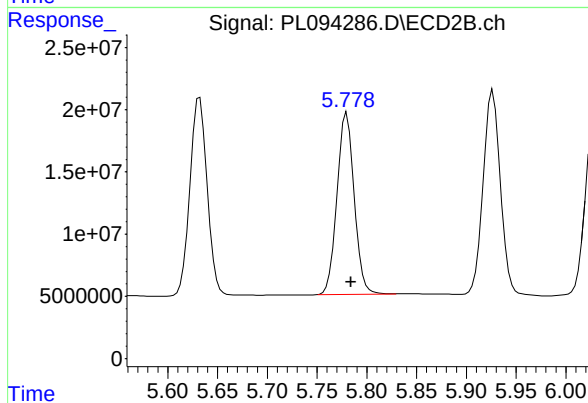
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.006 min
Response: 197421835
Conc: 53.30 ng/ml



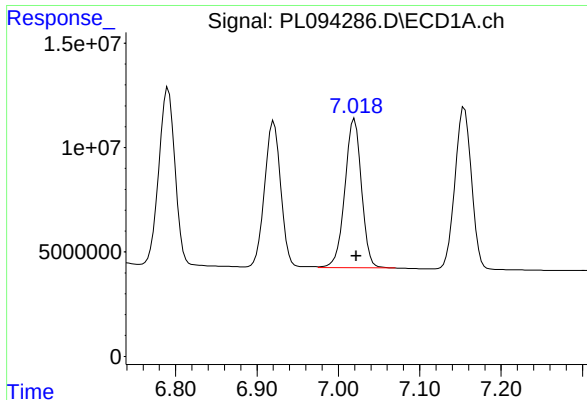
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 99726881
Conc: 52.47 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 175763026
Conc: 55.68 ng/ml



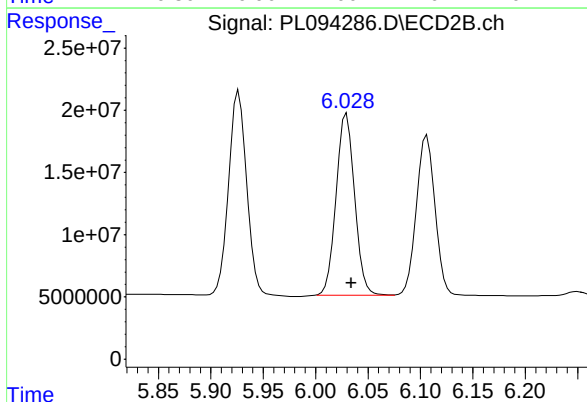
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 101383675
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

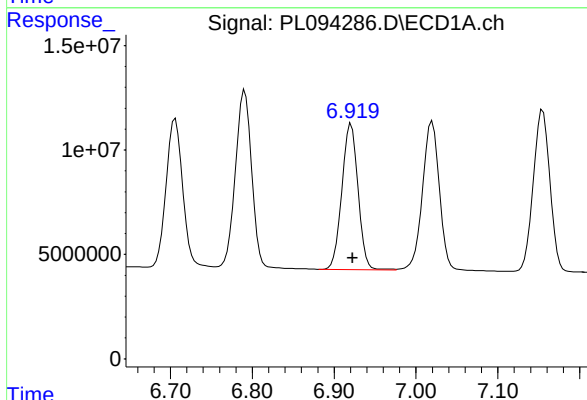
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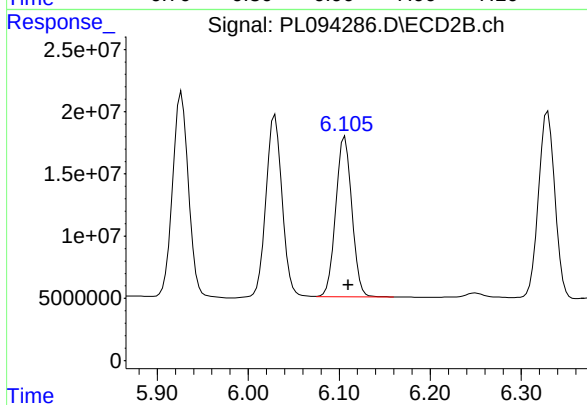
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 179041709
Conc: 55.02 ng/ml



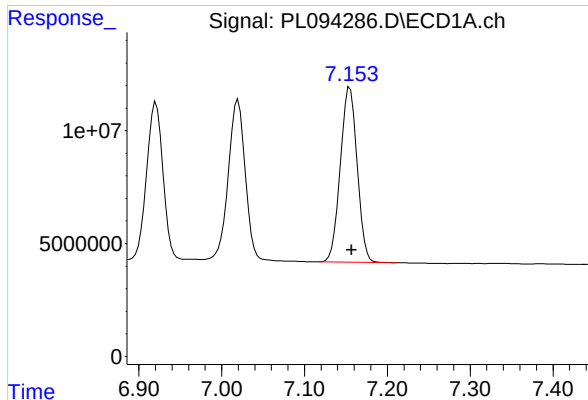
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95983181
Conc: 49.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 158649068
Conc: 52.11 ng/ml



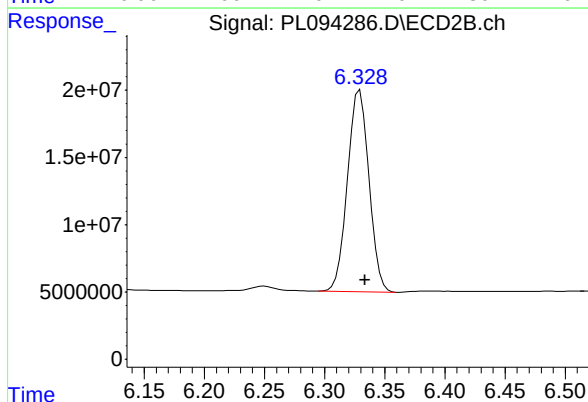
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 109316562
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

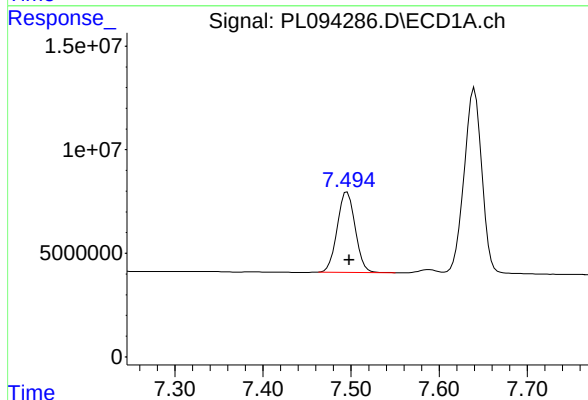
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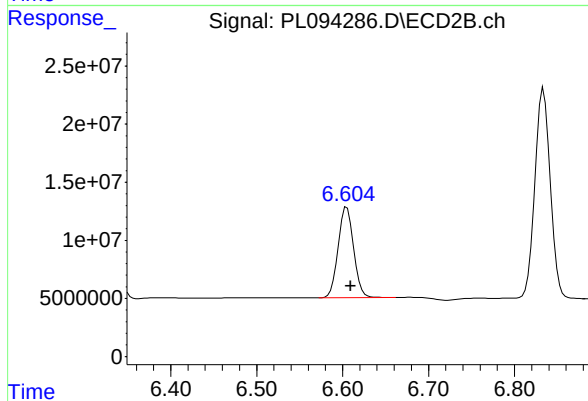
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.005 min
Response: 187052769
Conc: 52.45 ng/ml



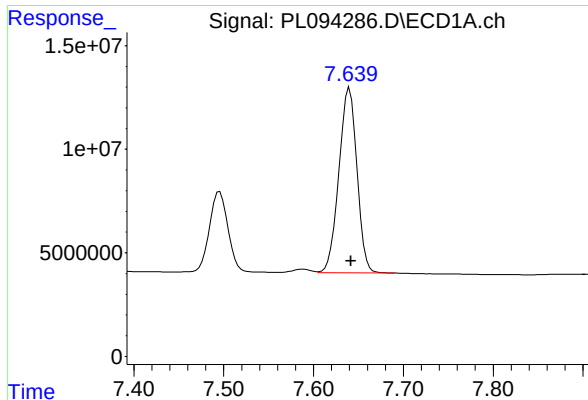
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 55114463
Conc: 52.82 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 97766290
Conc: 54.67 ng/ml



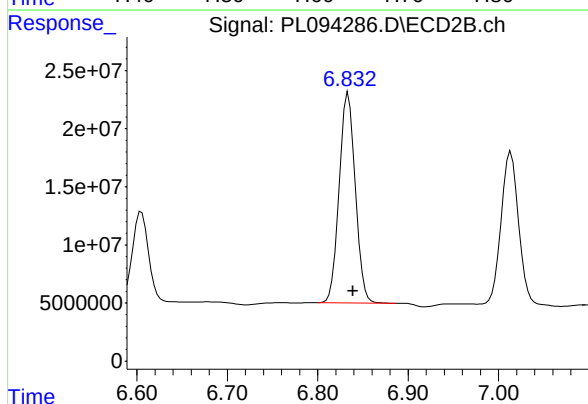
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 124531159
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

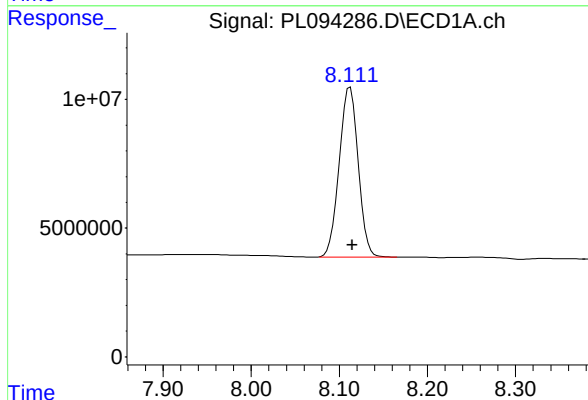
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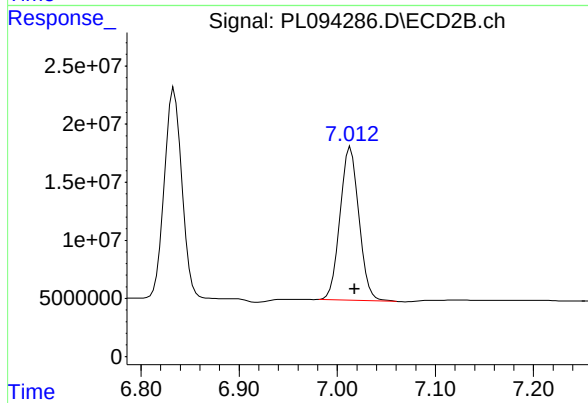
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 224229857
Conc: 53.45 ng/ml



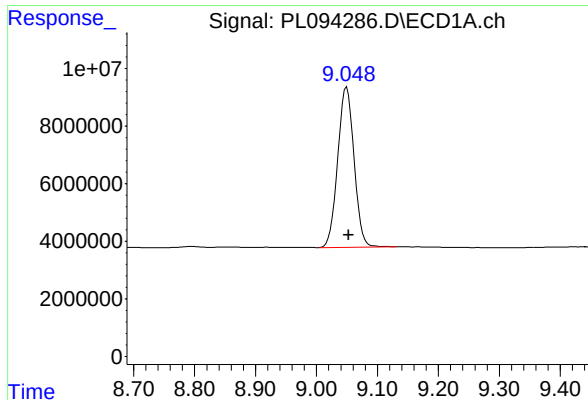
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 98978888
Conc: 47.53 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 176457564
Conc: 52.18 ng/ml



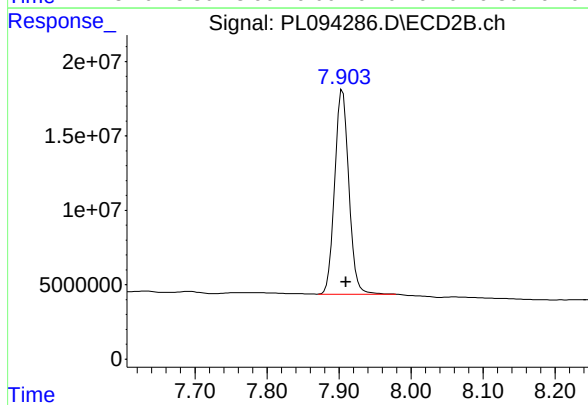
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 103995835
Conc: 49.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 185691067
Conc: 52.99 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

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

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

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

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

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

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

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

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

ENDRIN BREAK DOWN

Column #1

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

Column #2

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

DDT BREAK DOWN

Column #1

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

Column #2

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PEM

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

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

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

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

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

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

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

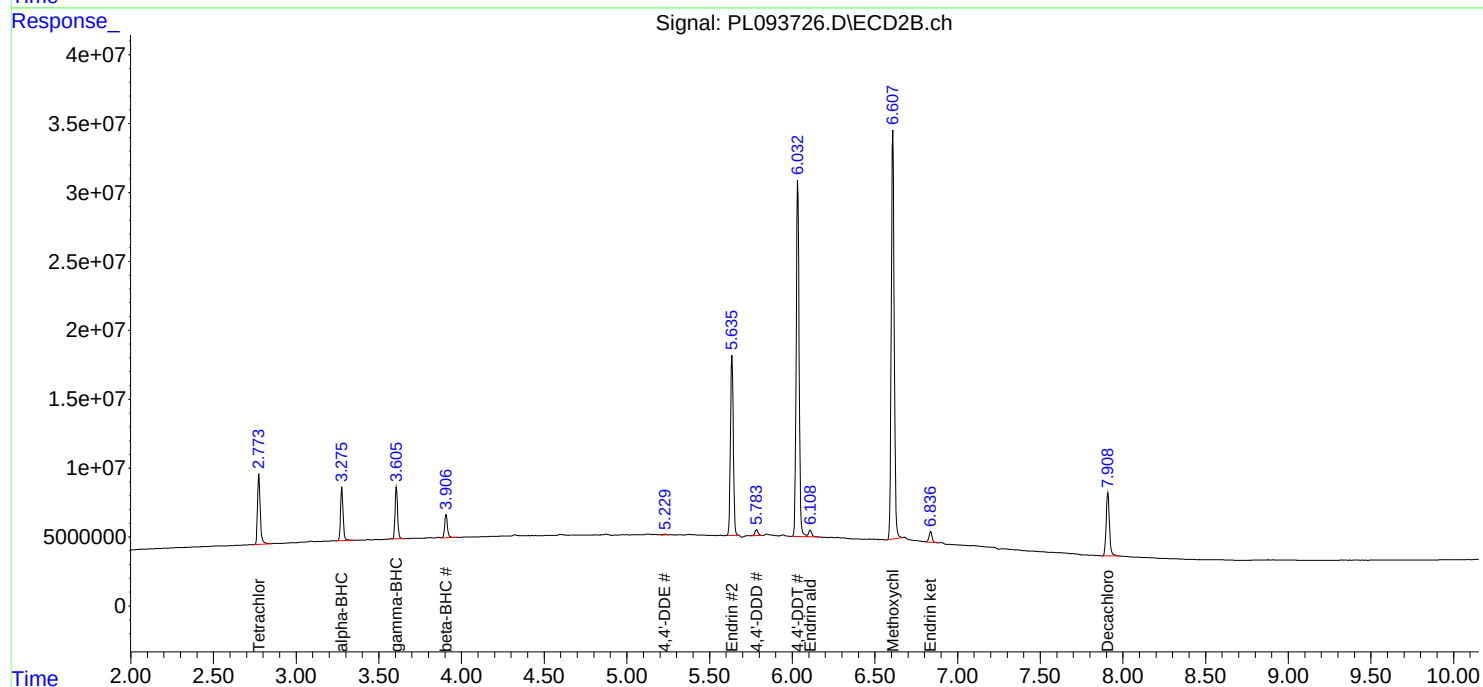
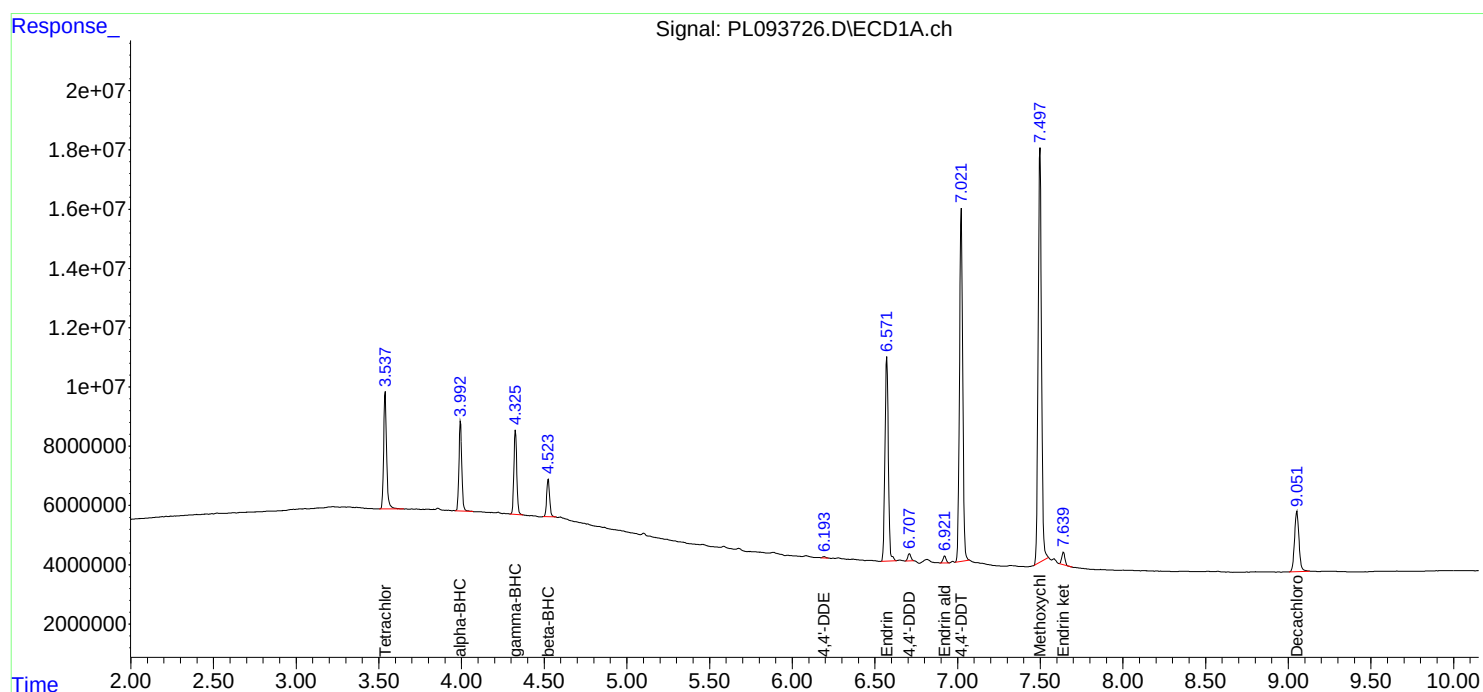
Instrument :
ECD_L
ClientSampleId :
PEM

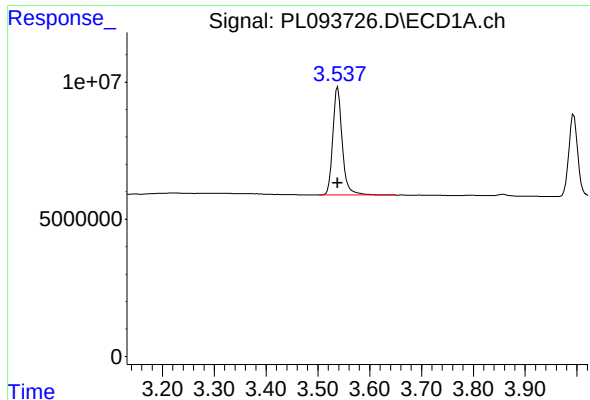
Manual Integrations
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Reviewed By : Abdul Mirza 01/22/2025
Supervised By : Ankita Jodhani 01/22/2025

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

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





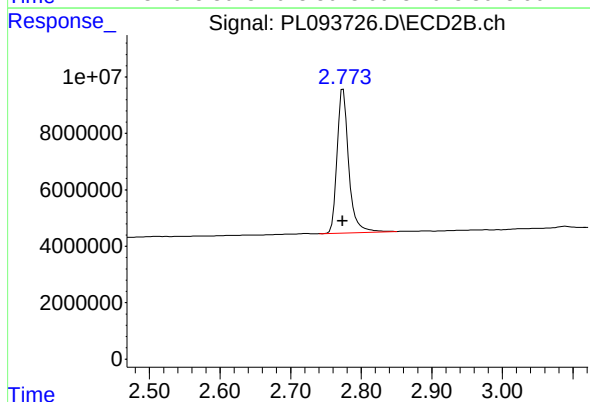
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PEM

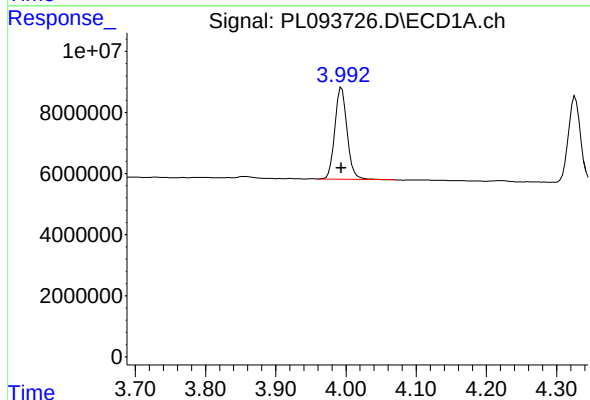
Manual Integrations
APPROVED

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



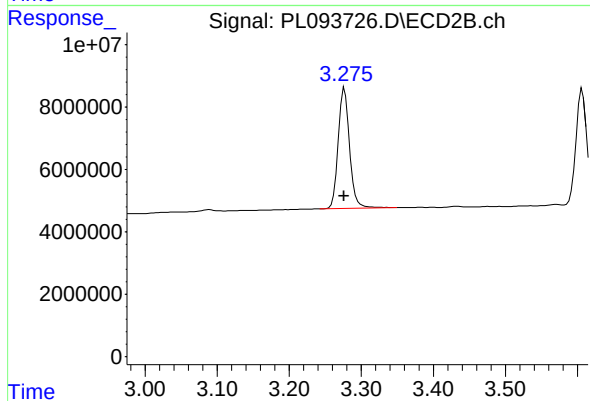
#1 Tetrachloro-m-xylene

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



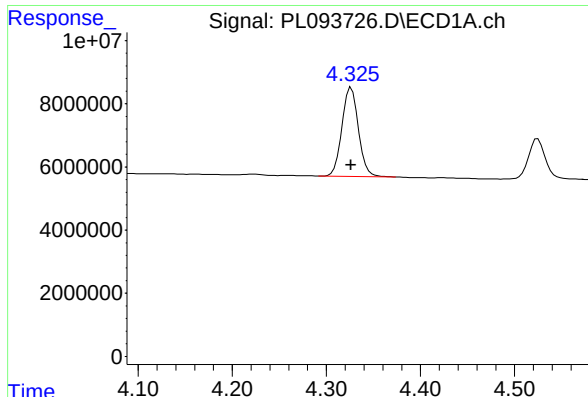
#2 alpha-BHC

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



#2 alpha-BHC

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



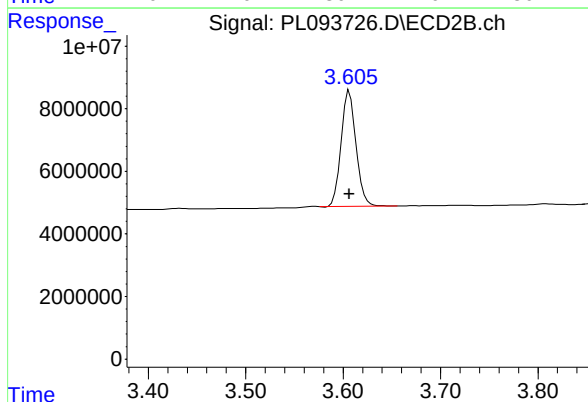
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PEM

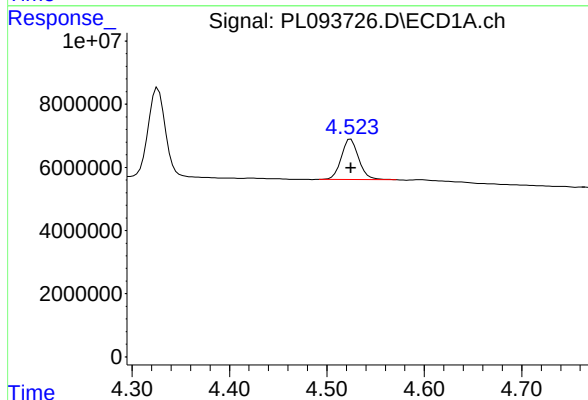
Manual Integrations
APPROVED

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



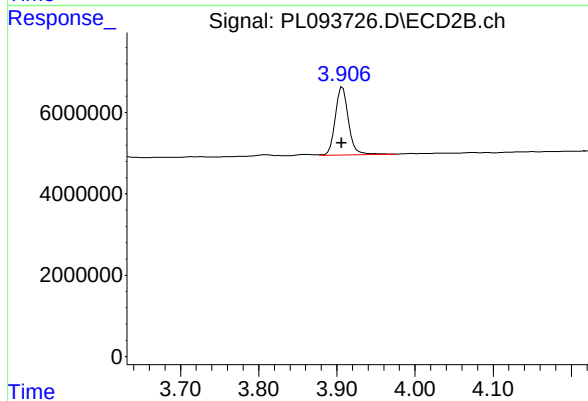
#3 gamma-BHC (Lindane)

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



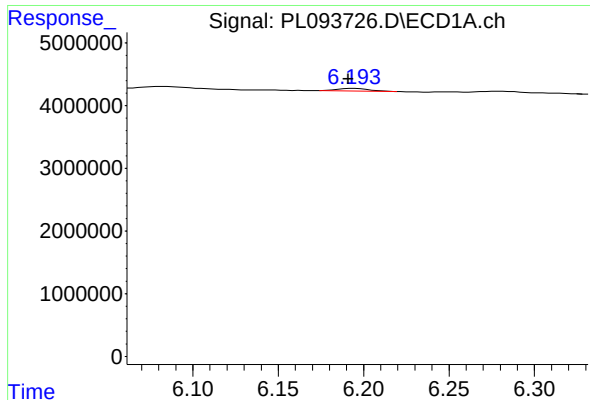
#6 beta-BHC

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



#6 beta-BHC

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



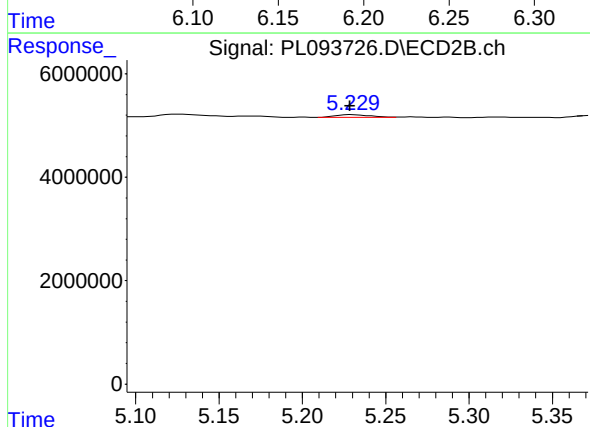
#12 4,4'-DDE

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

Instrument :
ECD_L
ClientSampleId :
PEM

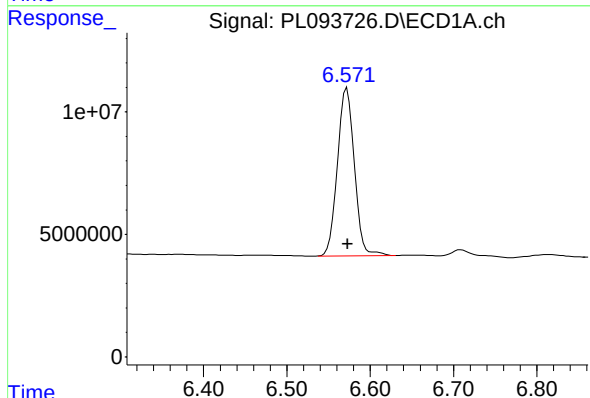
Manual Integrations
APPROVED

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



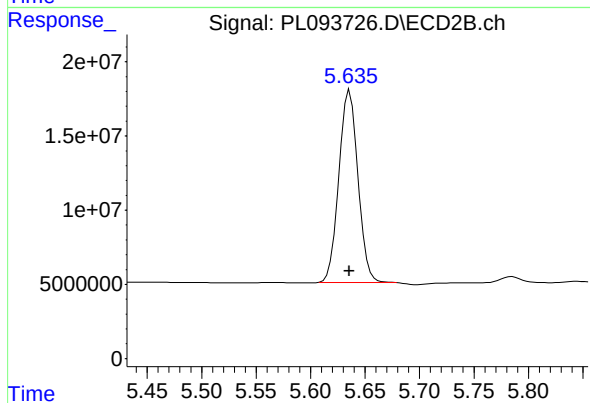
#12 4,4'-DDE

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



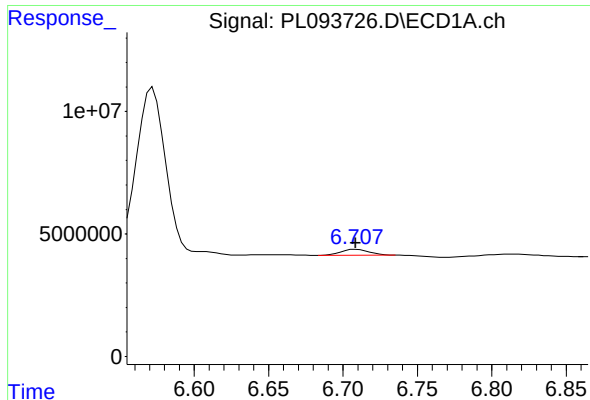
#14 Endrin

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



#14 Endrin

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



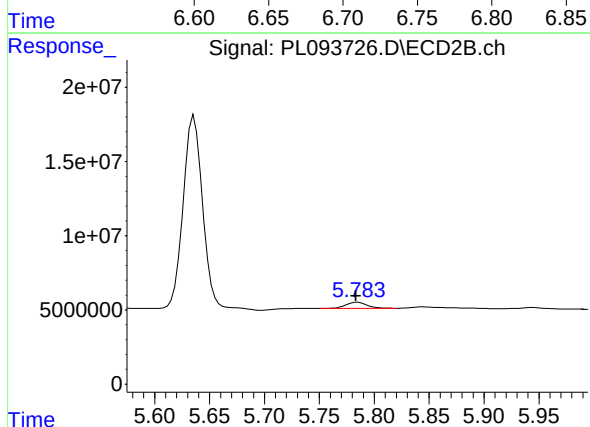
#16 4,4'-DDD

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

Instrument :
ECD_L
ClientSampleId :
PEM

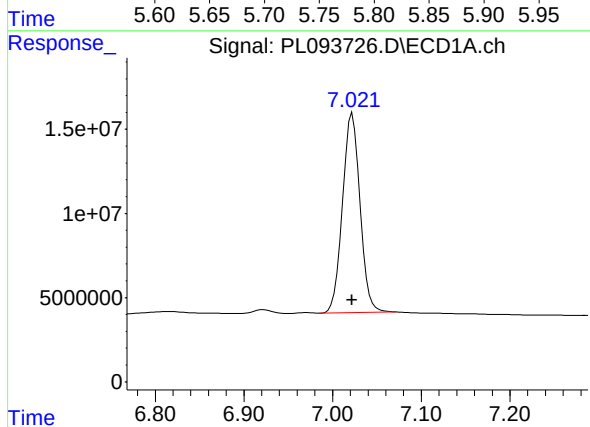
Manual Integrations
APPROVED

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



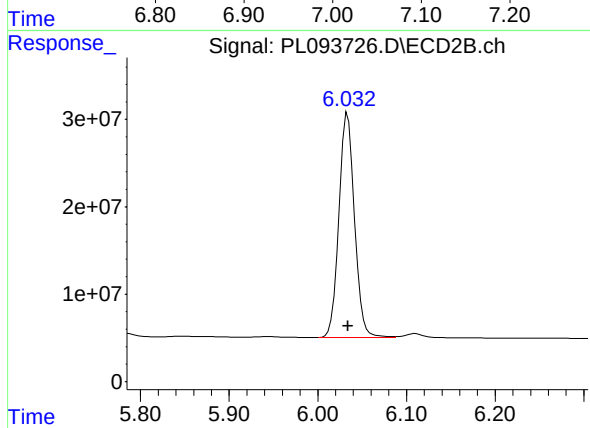
#16 4,4'-DDD

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



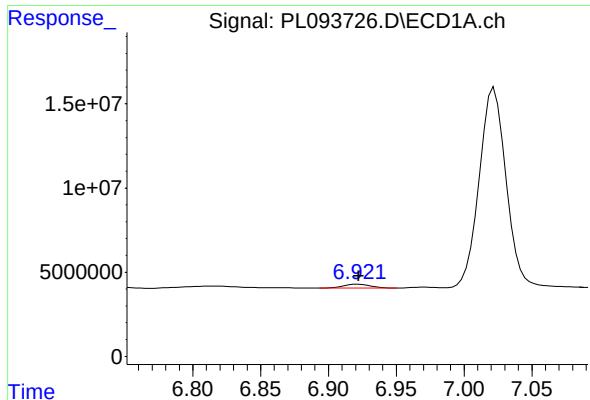
#17 4,4'-DDT

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



#17 4,4'-DDT

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



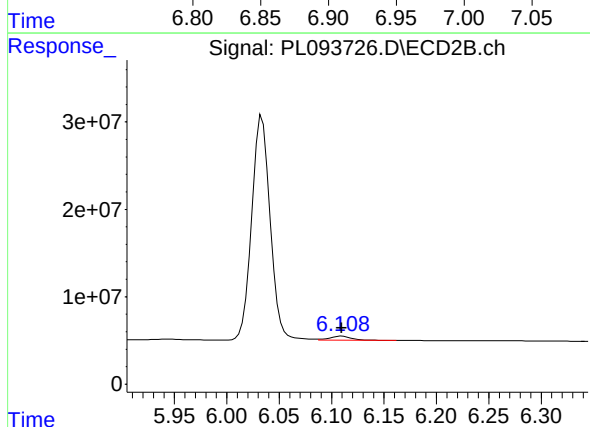
#18 Endrin aldehyde

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

Instrument :
ECD_L
ClientSampleId :
PEM

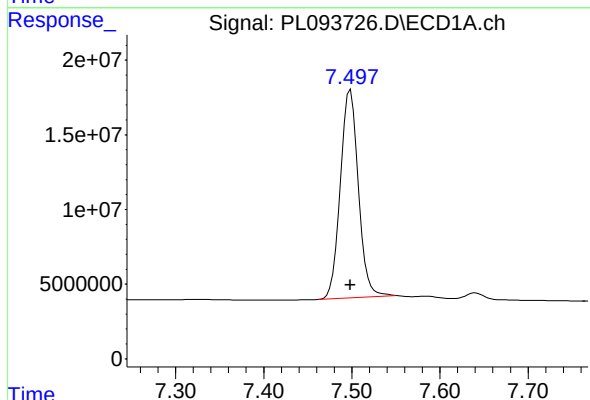
Manual Integrations
APPROVED

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



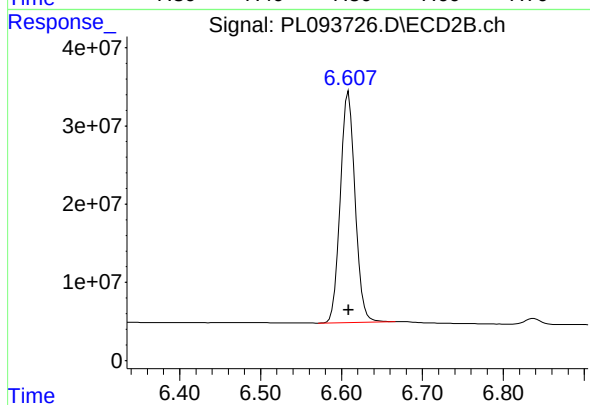
#18 Endrin aldehyde

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



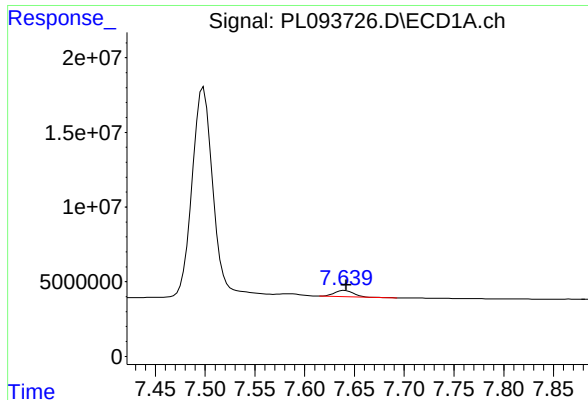
#20 Methoxychlor

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



#20 Methoxychlor

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



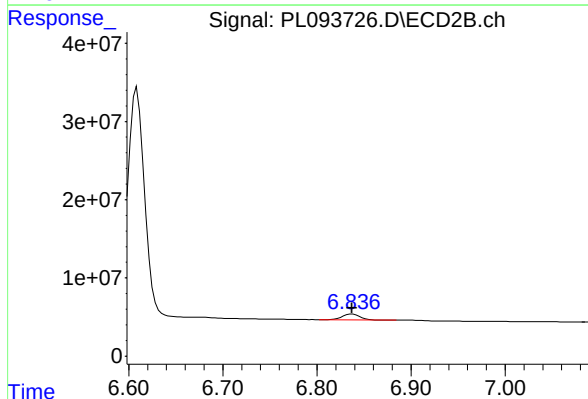
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PEM

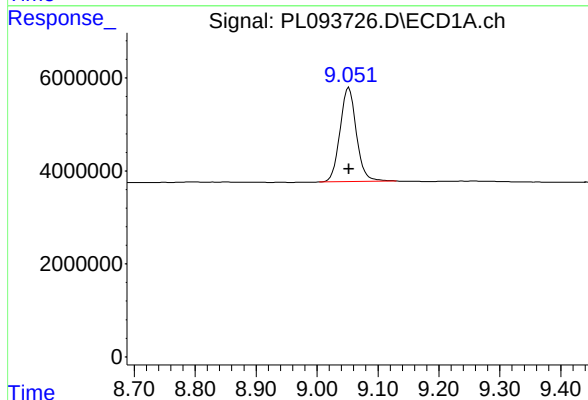
Manual Integrations
APPROVED

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



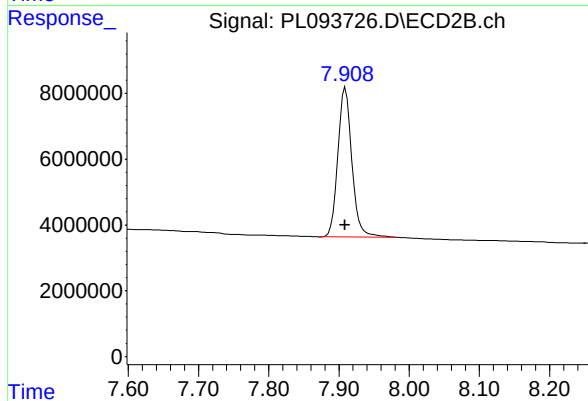
#21 Endrin ketone

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382 SDG NO.: Q1382

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

Client Sample No. (PEM): PEM - PL094256.D Date Analyzed: 02/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.049	8.950	9.150	19.730	20.000	-1.4
Tetrachloro-m-xylene	3.537	3.490	3.590	19.170	20.000	-4.2
alpha-BHC	3.993	3.940	4.040	10.140	10.000	1.4
beta-BHC	4.523	4.470	4.570	10.330	10.000	3.3
gamma-BHC (Lindane)	4.325	4.270	4.380	9.920	10.000	-0.8
Endrin	6.568	6.500	6.640	46.490	50.000	-7.0
4,4'-DDT	7.020	6.950	7.090	93.060	100.000	-6.9
Methoxychlor	7.497	7.430	7.570	210.880	250.000	-15.6

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

Client Sample No. (PEM): PEM - PL094256.D Date Analyzed: 02/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:39

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.904	7.800	8.000	20.680	20.000	3.4
Tetrachloro-m-xylene	2.772	2.720	2.820	19.610	20.000	-2.0
alpha-BHC	3.273	3.220	3.320	9.430	10.000	-5.7
beta-BHC	3.904	3.850	3.950	10.510	10.000	5.1
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	49.960	50.000	-0.1
4,4'-DDT	6.029	5.960	6.100	114.630	100.000	14.6
Methoxychlor	6.605	6.530	6.680	248.300	250.000	-0.7

PEM
 Data File: PL094256.D Date Acquired 2/19/2025 11:39
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	109016291.4	116475360.5	7459069.1	6.40
Endrin aldehyde	6.92	2730868.306			
Endrin ketone	7.64	4728200.791			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	184472357.7	199428329.3	14955971.6	7.50
Endrin aldehyde #2	6.11	6550770.379			
Endrin ketone #2	6.83	8405201.224			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	183519966.3	185644642.8	2124676.5	1.14
4,4'-DDE	6.19	505598.678			
4,4'-DDD	6.71	1619077.827			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	372996543.9	376967478.4	3970934.49	1.05
4,4'-DDE #2	5.23	851551.923			
4,4'-DDD #2	5.78	3119382.563			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 11:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 02/20/2025
 Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:10:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	51607884	64020293	19.165	19.613
28)	SA Decachlor...	9.049	7.904	41276295	72473467	19.731	20.683
Target Compounds							
2)	A alpha-BHC	3.993	3.273	38890686	46113361	10.144	9.432
3)	MA gamma-BHC...	4.325	3.603	36529552	43443921	9.919	9.163
6)	B beta-BHC	4.523	3.904	16598250	20994292	10.327	10.511
12)	B 4,4'-DDE	6.189	5.228	505599	851552	0.208m	0.212
14)	MA Endrin	6.568	5.632	109.0E6	184.5E6	46.492m	49.956
16)	A 4,4'-DDD	6.706	5.782	1619078	3119383	0.852m	0.988
17)	MA 4,4'-DDT	7.020	6.029	183.5E6	373.0E6	93.060	114.625m
18)	B Endrin al...	6.920	6.106	2730868	6550770	1.405	2.152 #
20)	A Methoxychlor	7.497	6.605	220.0E6	444.0E6	210.883	248.301
21)	B Endrin ke...	7.639	6.834	4728201	8405201	1.874	2.004

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

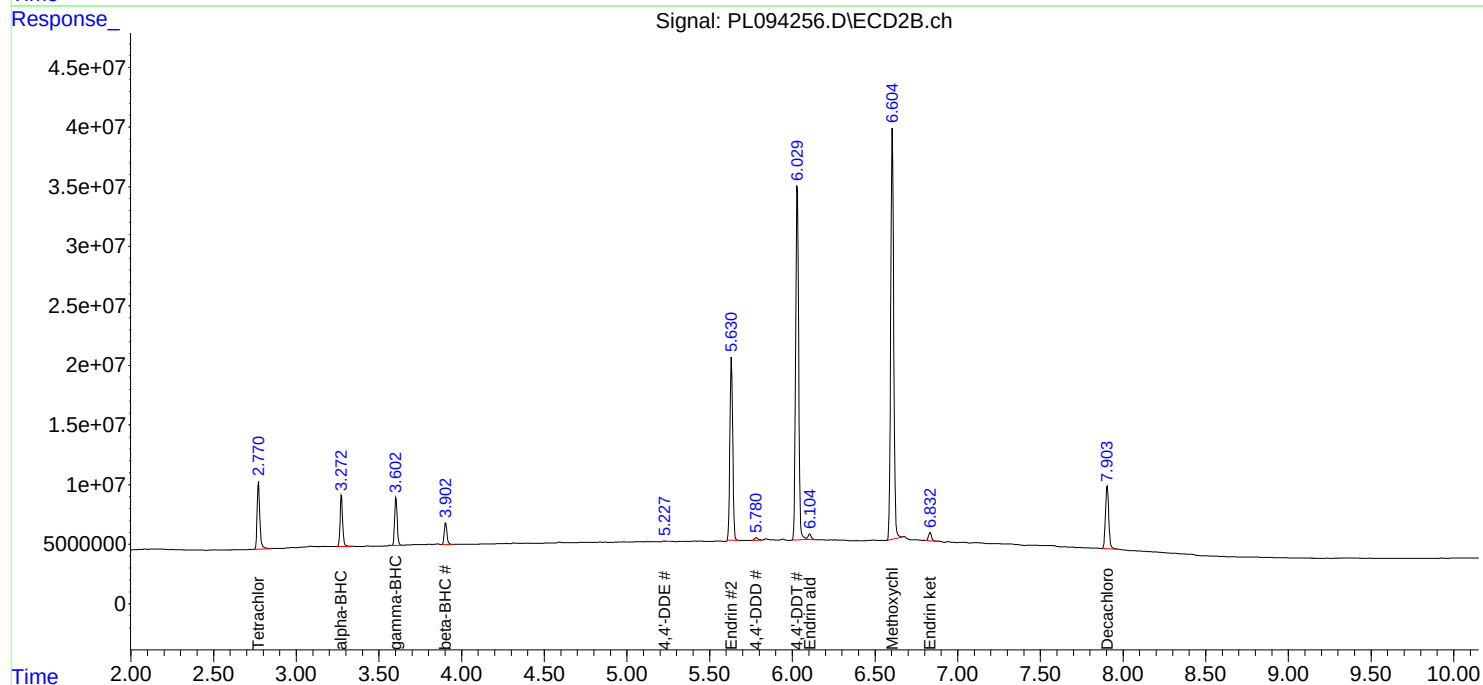
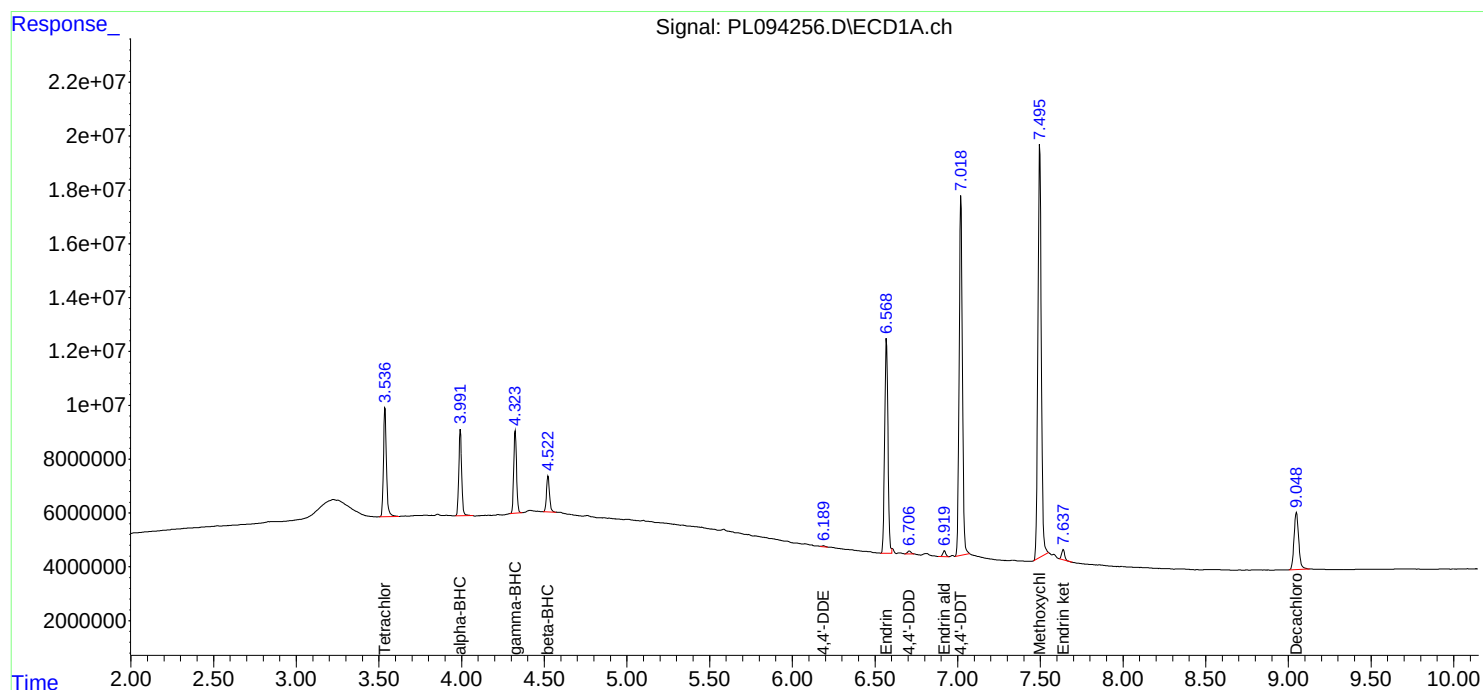
Instrument :
ECD_L
ClientSampleId :
PEM

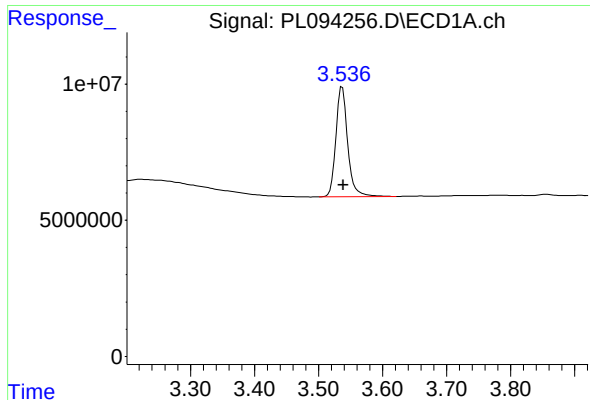
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/20/2025
Supervised By : Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





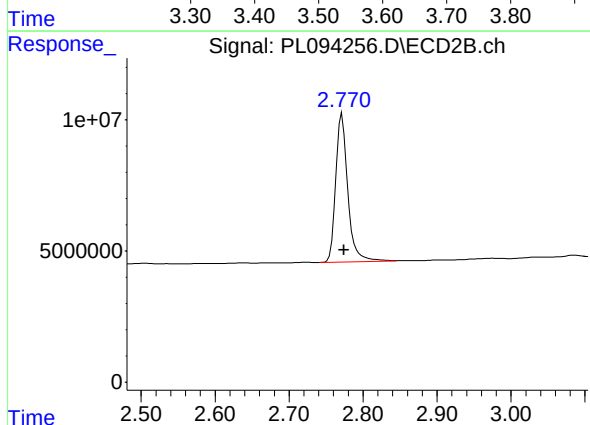
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 51607884
Conc: 19.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

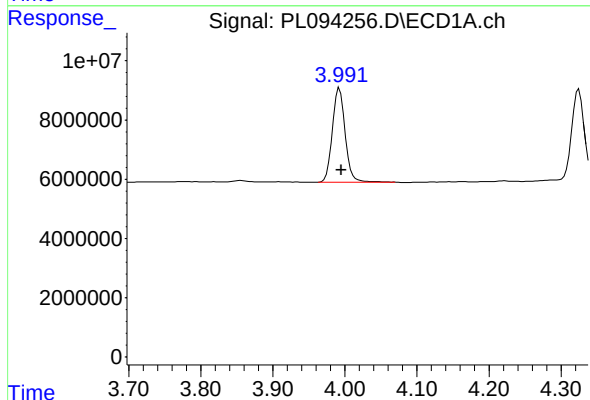
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



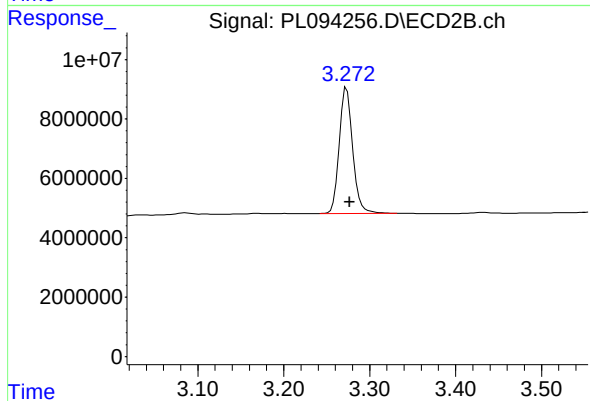
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 64020293
Conc: 19.61 ng/ml



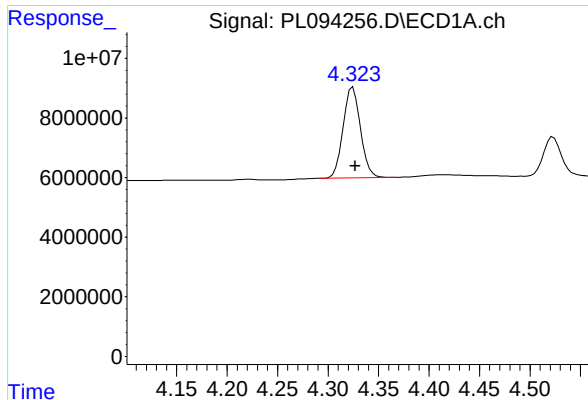
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 38890686
Conc: 10.14 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 46113361
Conc: 9.43 ng/ml



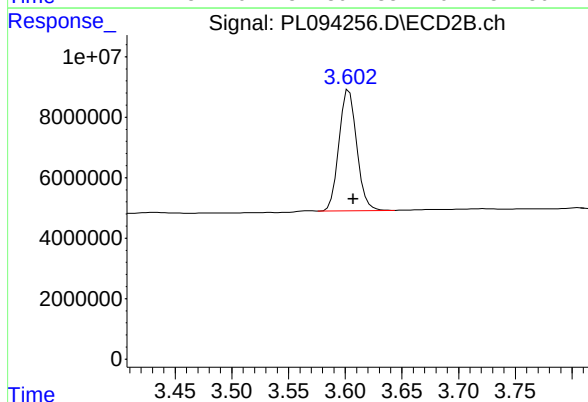
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 36529552
Conc: 9.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

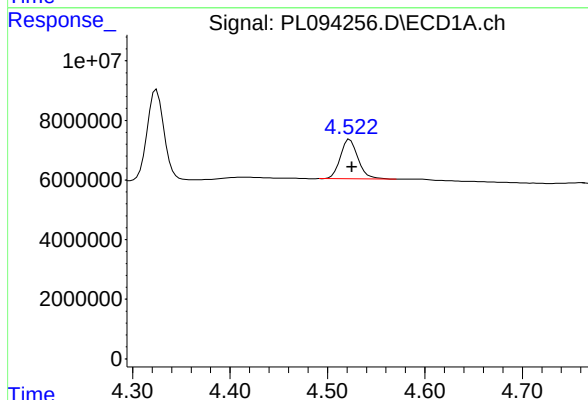
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



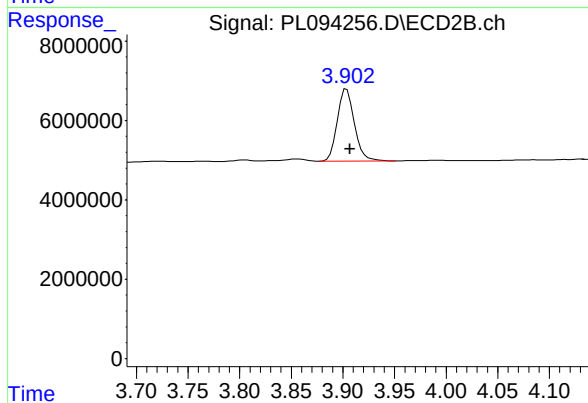
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 43443921
Conc: 9.16 ng/ml



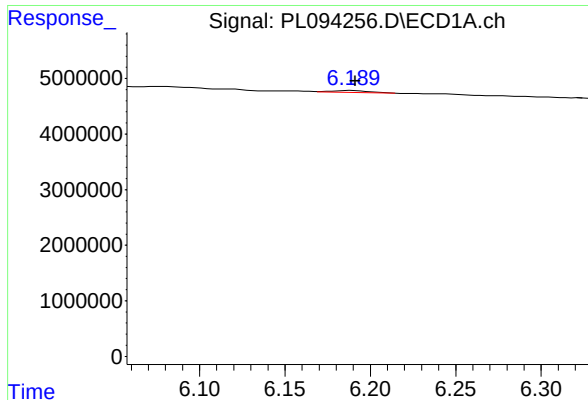
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 16598250
Conc: 10.33 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 20994292
Conc: 10.51 ng/ml



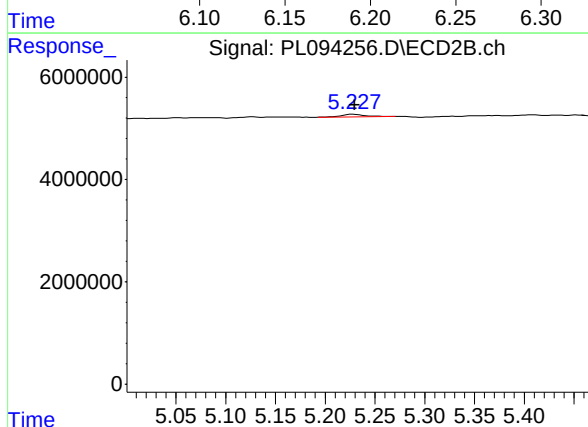
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 505599
Conc: 0.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

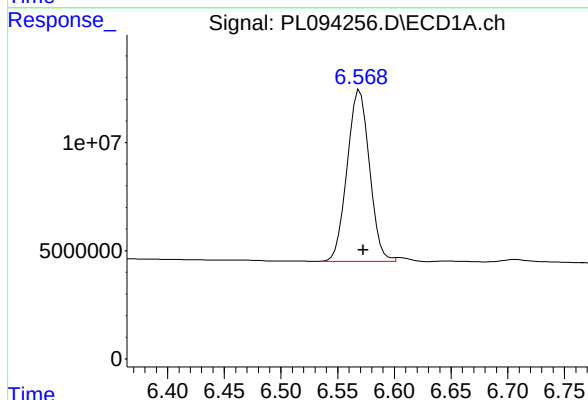
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



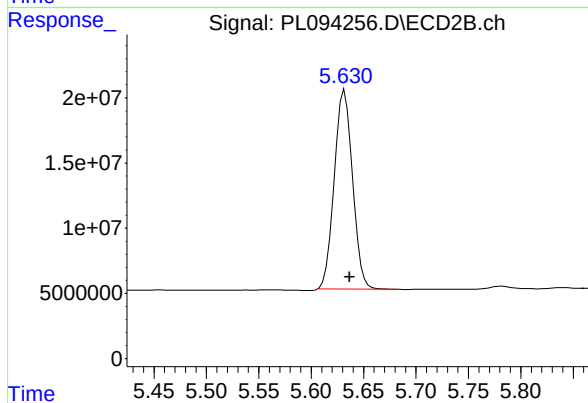
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 851552
Conc: 0.21 ng/ml



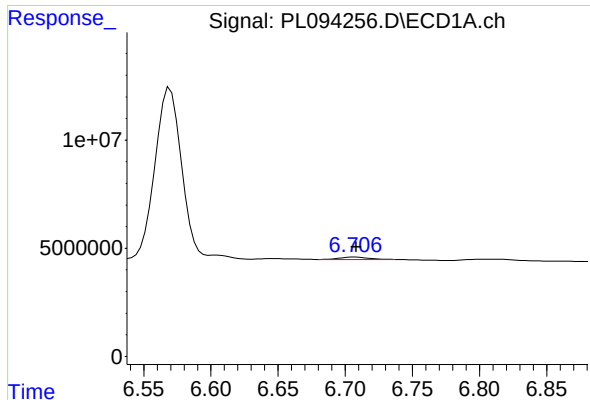
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.004 min
Response: 109016291
Conc: 46.49 ng/ml m



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 184472358
Conc: 49.96 ng/ml



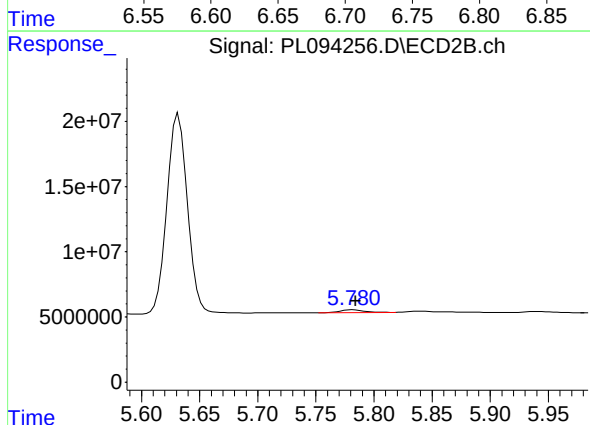
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.003 min
Response: 1619078
Conc: 0.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

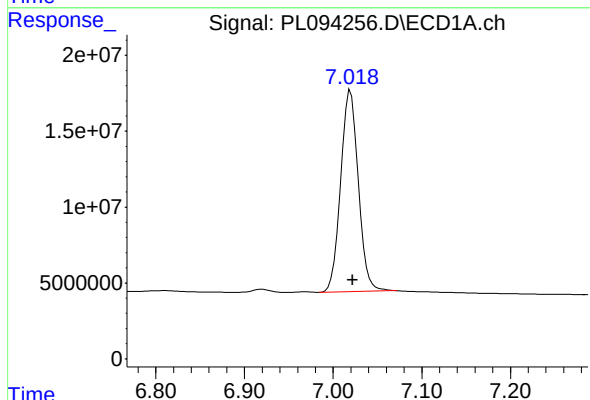
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



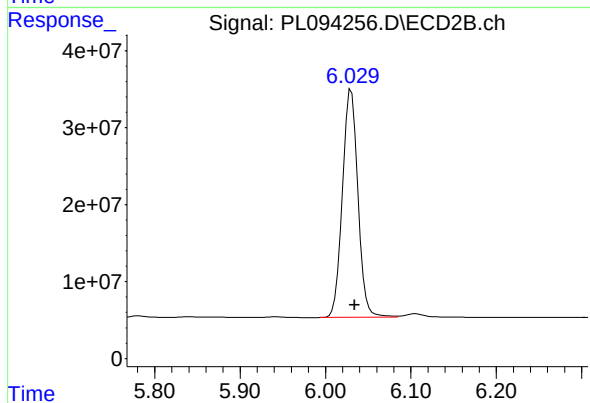
#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 3119383
Conc: 0.99 ng/ml



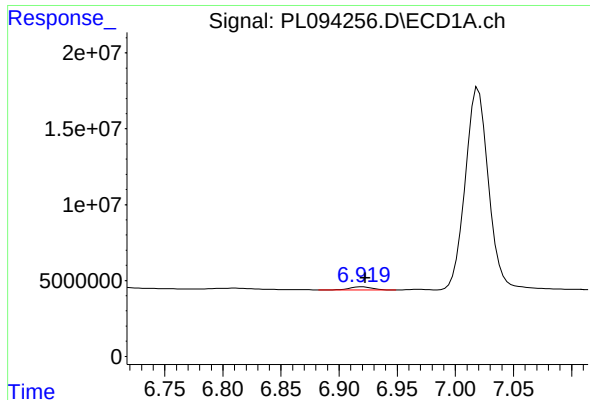
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 183519966
Conc: 93.06 ng/ml



#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 372996544
Conc: 114.63 ng/ml m



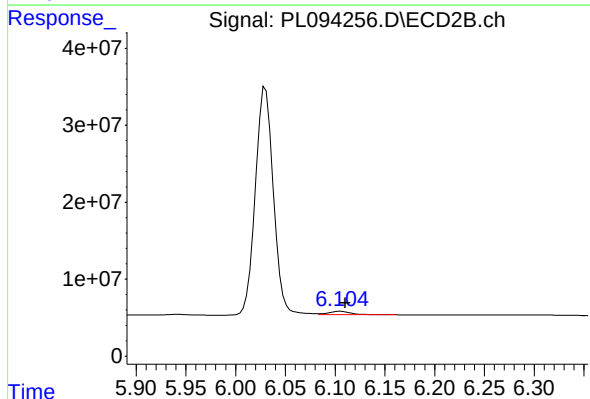
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 2730868
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

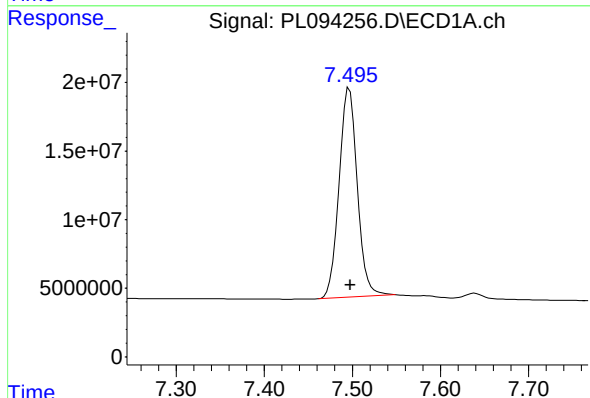
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



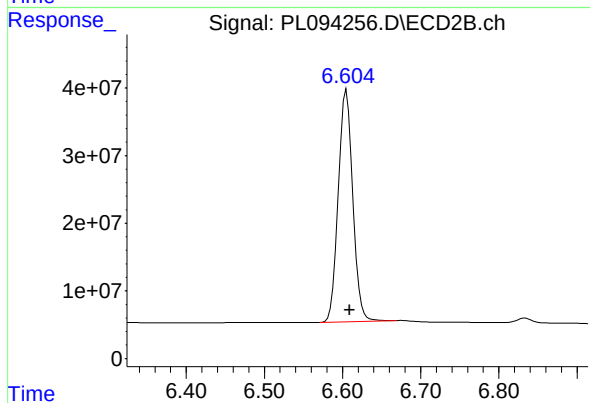
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.005 min
Response: 6550770
Conc: 2.15 ng/ml



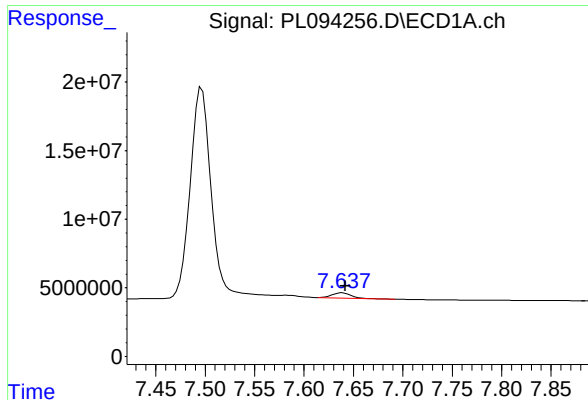
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 220034925
Conc: 210.88 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 443996355
Conc: 248.30 ng/ml



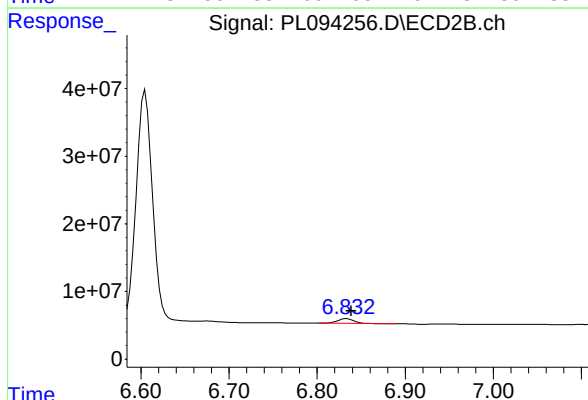
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 4728201
Conc: 1.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

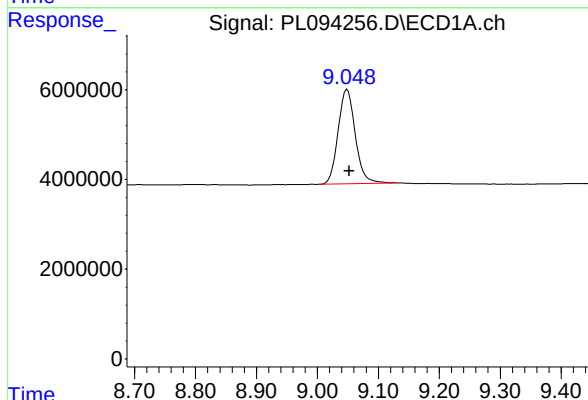
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



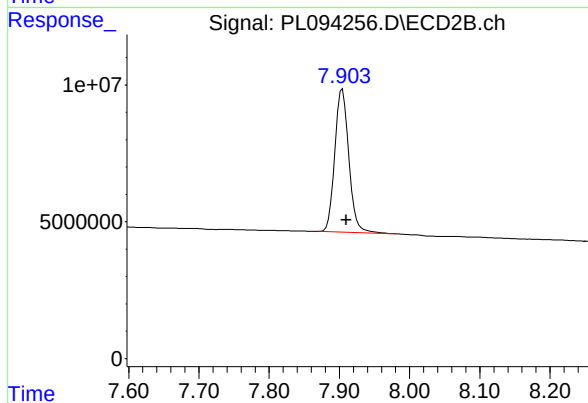
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 8405201
Conc: 2.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 41276295
Conc: 19.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.005 min
Response: 72473467
Conc: 20.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Title : GC Extractables
Last Update : Tue Jan 21 14:02:23 2025
Integrator: ChemStation

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

Signal #2

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

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

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

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

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

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

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

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

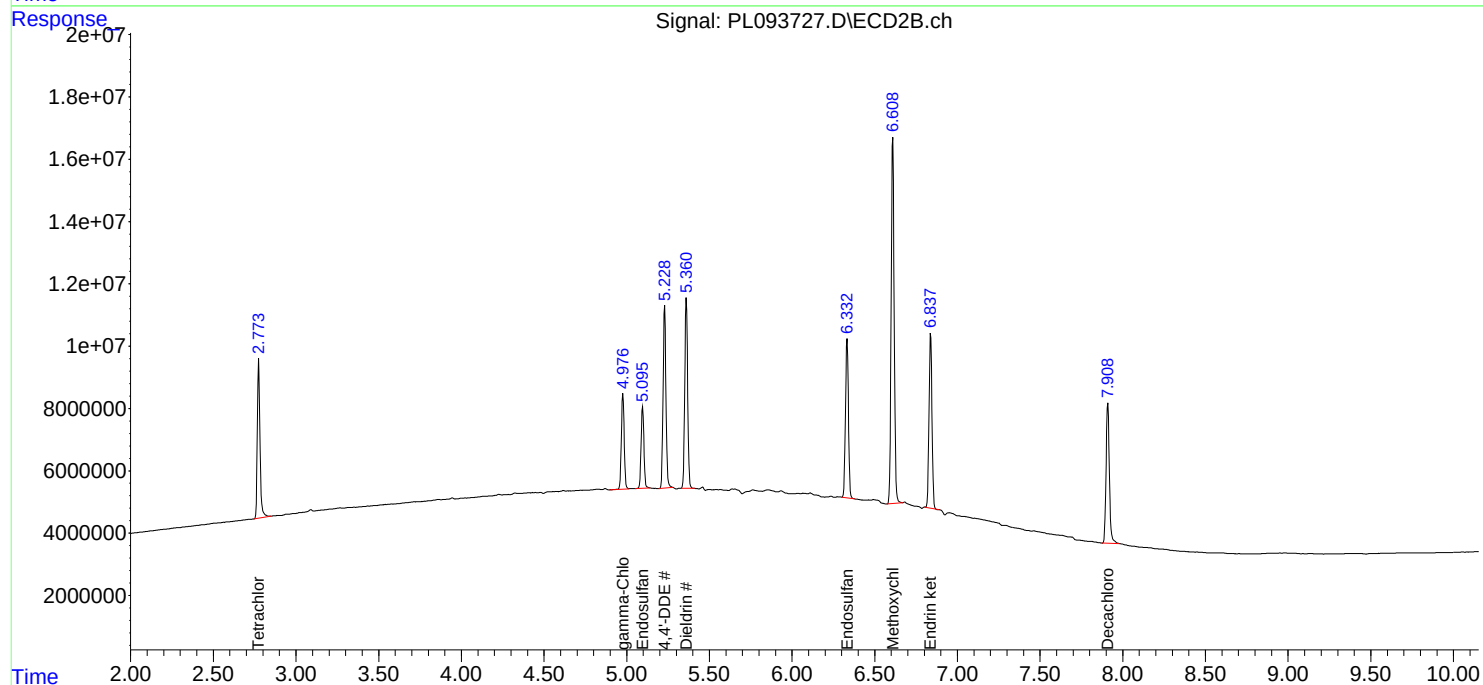
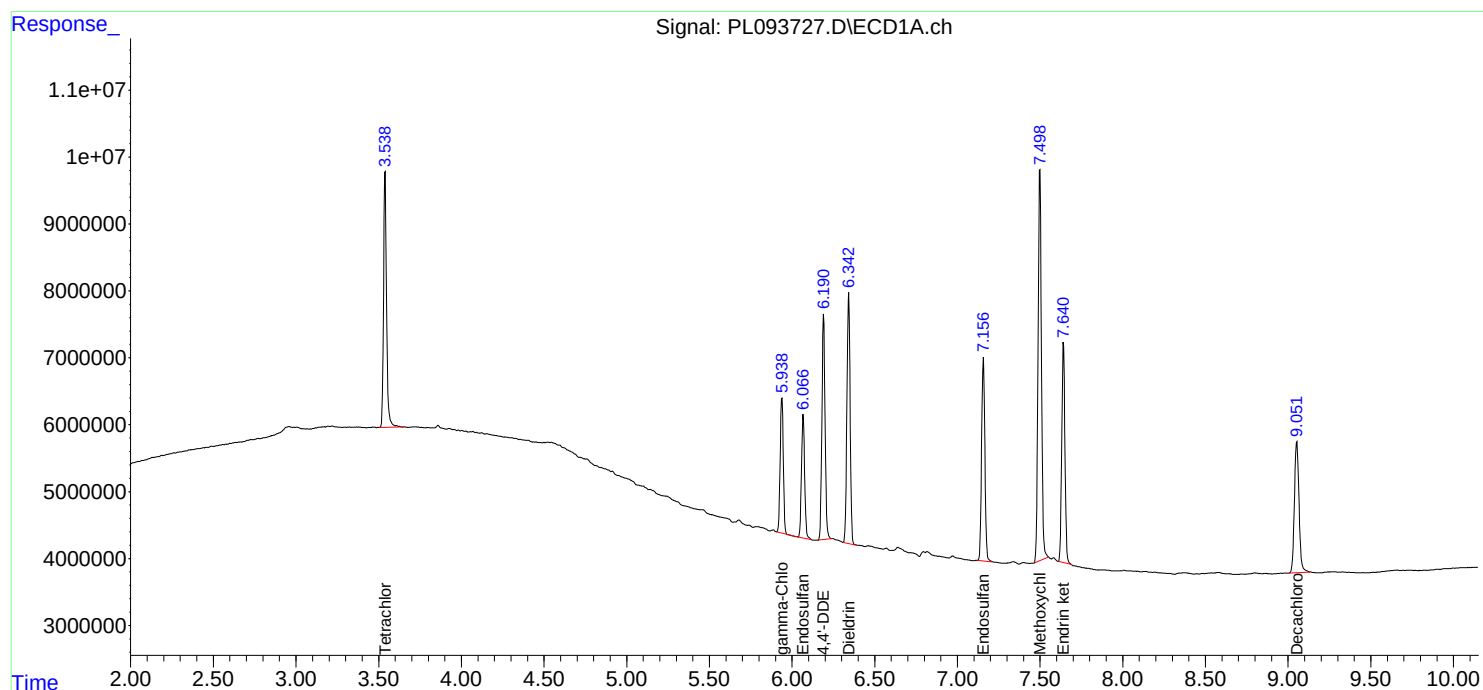
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

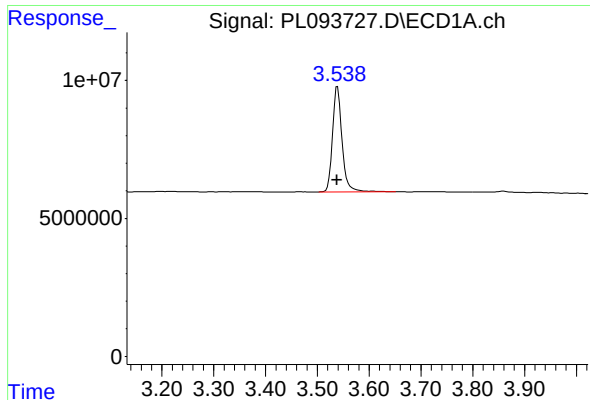
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

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

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

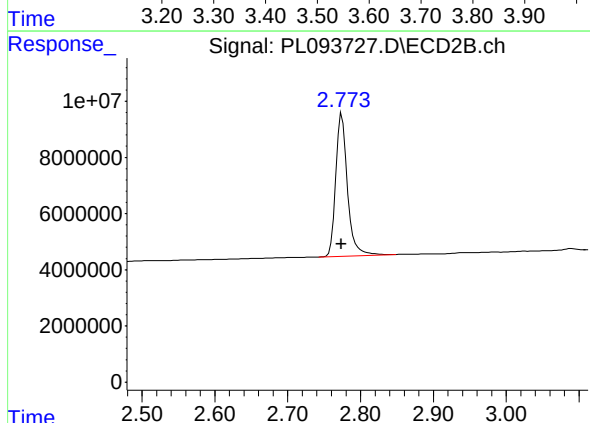




#1 Tetrachloro-m-xylene

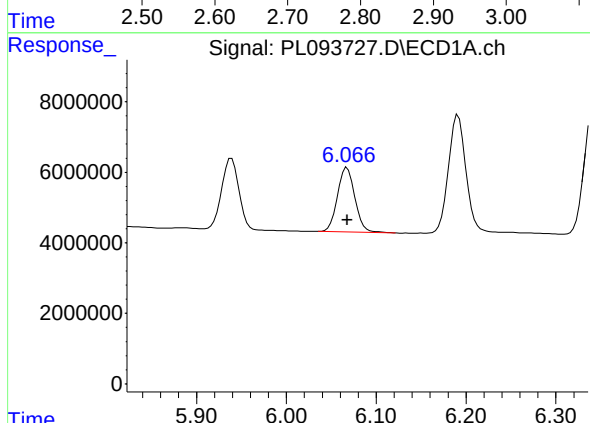
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 48739758
Conc: 18.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



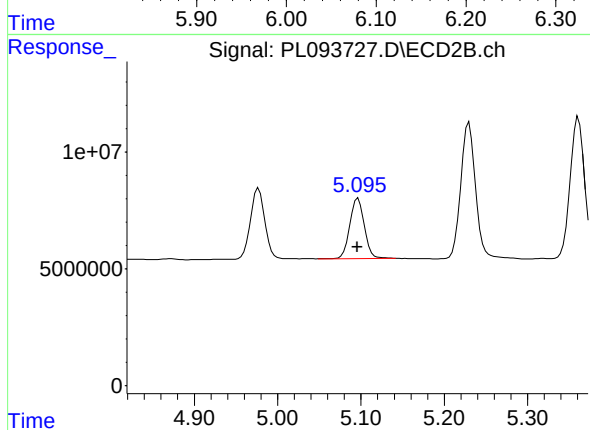
#1 Tetrachloro-m-xylene

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



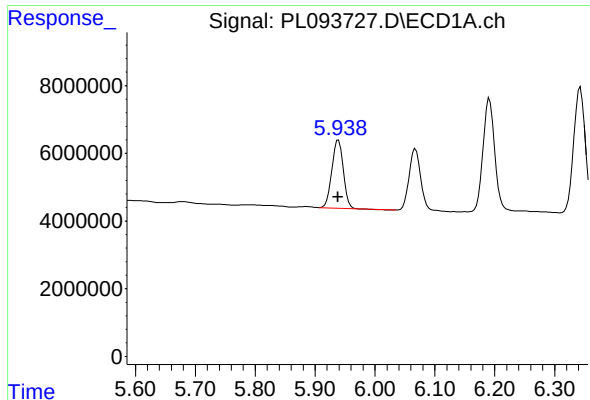
#9 Endosulfan I

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



#9 Endosulfan I

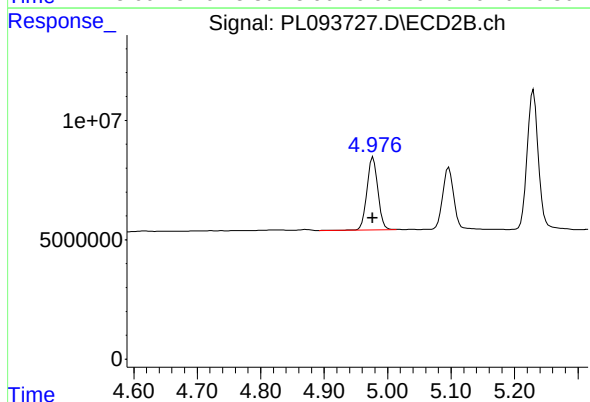
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

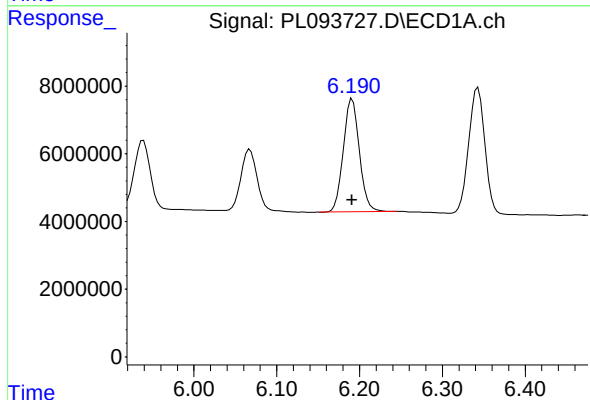
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



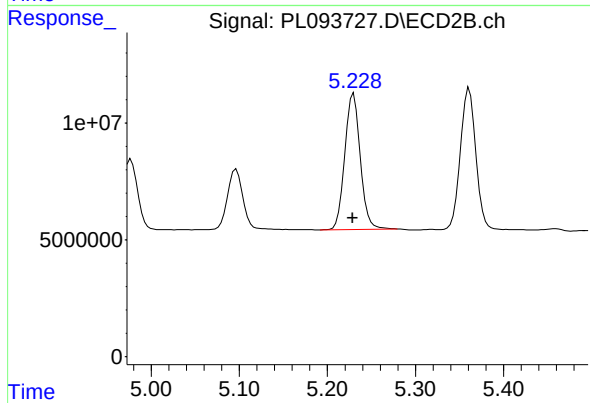
#10 gamma-Chlordane

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



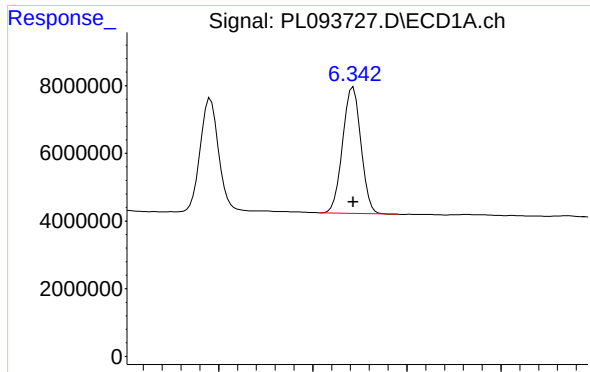
#12 4,4'-DDE

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



#12 4,4'-DDE

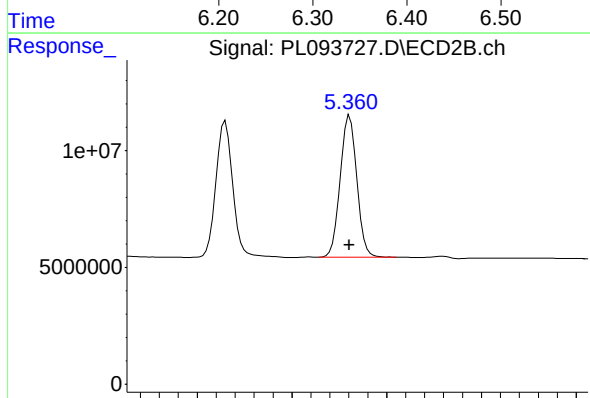
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

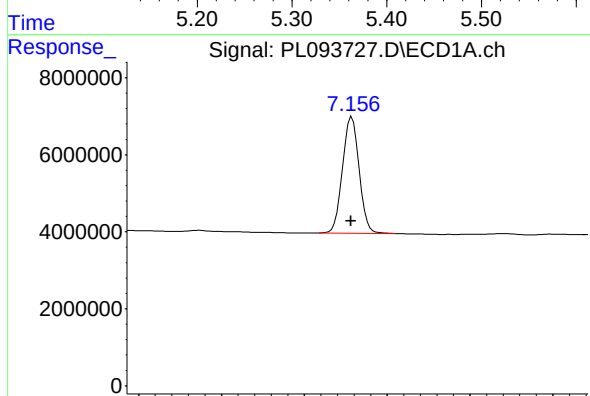
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 50553851
Conc: 18.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



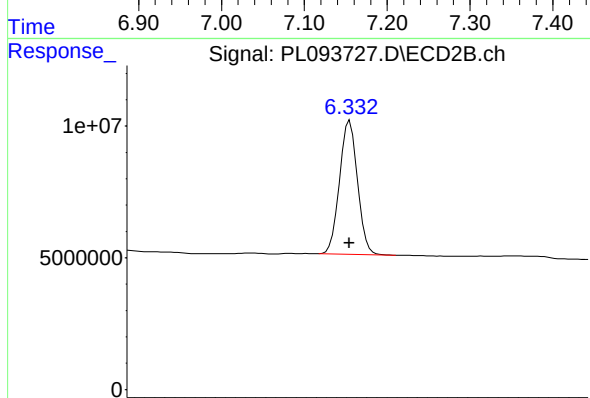
#13 Dieldrin

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



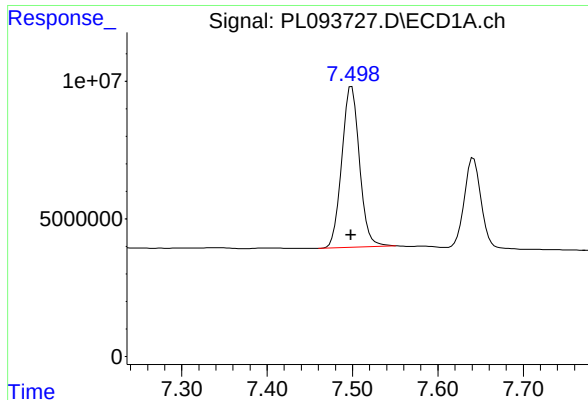
#19 Endosulfan Sulfate

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



#19 Endosulfan Sulfate

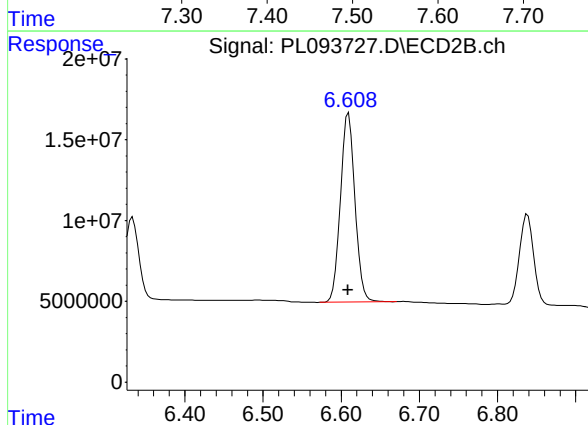
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

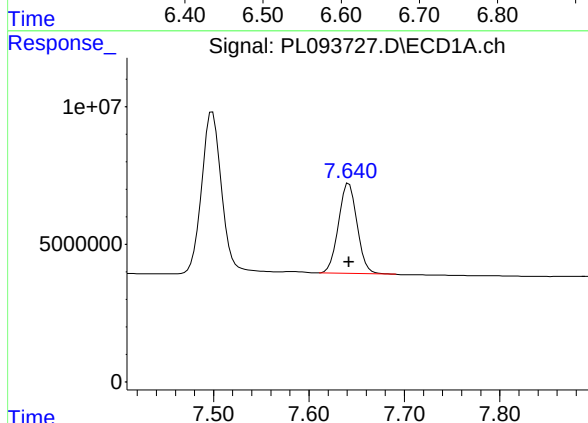
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



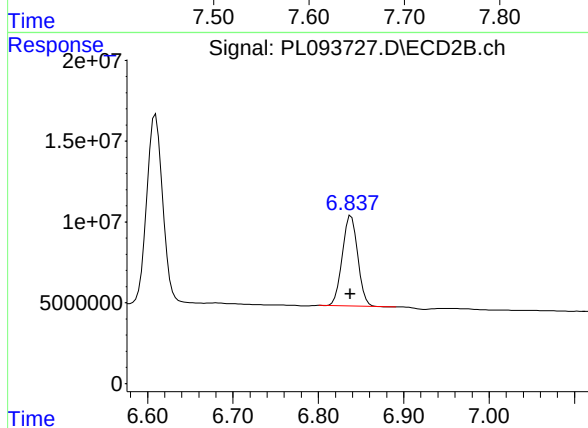
#20 Methoxychlor

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



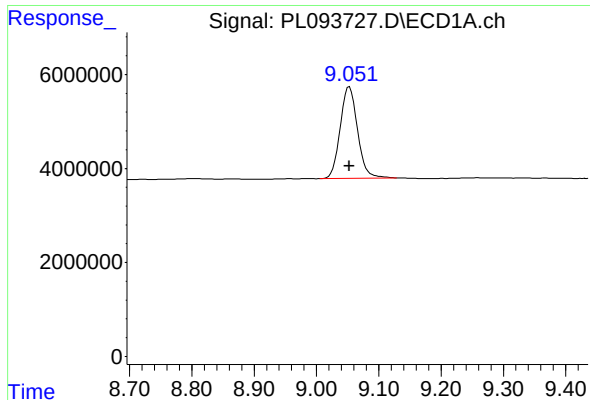
#21 Endrin ketone

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



#21 Endrin ketone

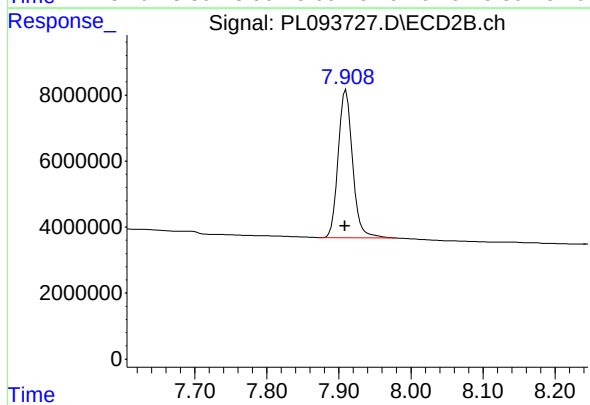
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

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

Analytical Sequence

Client: Nobis Group

SDG No.: Q1382

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 01/21/2025 01/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	01/21/2025	10:16	PL093725.D	9.05	3.54
PEM	PEM	01/21/2025	10:30	PL093726.D	9.05	3.54
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	9.05	3.54
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	9.05	3.54
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	9.05	3.54
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	9.05	3.54
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	9.05	3.54
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	9.05	3.54
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	9.05	3.54
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	9.05	3.54
IBLK	IBLK	02/19/2025	11:26	PL094255.D	9.05	3.54
PEM	PEM	02/19/2025	11:39	PL094256.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/19/2025	12:21	PL094257.D	9.06	3.54
PB166771BL	PB166771BL	02/19/2025	14:37	PL094260.D	9.05	3.54
PB166771BS	PB166771BS	02/19/2025	14:51	PL094261.D	9.05	3.54
OU4-PCS-TC-01-021725	Q1382-01	02/19/2025	16:12	PL094264.D	9.06	3.54
OU4-PCS-TC-01-021725MS	Q1382-01MS	02/19/2025	16:25	PL094265.D	9.05	3.54
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	02/19/2025	16:39	PL094266.D	9.05	3.54
OU4-PCS-TC-02-021725	Q1382-03	02/19/2025	16:52	PL094267.D	9.05	3.54
OU4-PCS-TC-03-021725	Q1382-05	02/19/2025	17:06	PL094268.D	9.05	3.54
OU4-PCS-TC-04-021725	Q1382-07	02/19/2025	17:19	PL094269.D	9.05	3.54
IBLK	IBLK	02/19/2025	17:33	PL094270.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/19/2025	17:47	PL094271.D	9.05	3.54
OU4-PCS-TC-05-021725	Q1382-09	02/19/2025	18:27	PL094274.D	9.05	3.54
OU4-PCS-TC-06-021725	Q1382-11	02/19/2025	18:41	PL094275.D	9.05	3.54
OU4-PCS-TC-07-021725	Q1382-13	02/19/2025	18:54	PL094276.D	9.05	3.54
OU4-PCS-TC-08-021725	Q1382-15	02/19/2025	19:08	PL094277.D	9.05	3.54
OU4-PCS-TC-09-021725	Q1382-17	02/19/2025	19:21	PL094278.D	9.05	3.54
OU4-PCS-TC-10-021725	Q1382-19	02/19/2025	19:35	PL094279.D	9.05	3.54
IBLK	IBLK	02/19/2025	20:43	PL094284.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/19/2025	21:10	PL094286.D	9.05	3.54

Analytical Sequence

Client: Nobis Group

SDG No.: Q1382

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 01/21/2025 01/21/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	01/21/2025	10:16	PL093725.D	7.91	2.78
PEM	PEM	01/21/2025	10:30	PL093726.D	7.91	2.78
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	7.91	2.77
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	7.91	2.78
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	7.91	2.77
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	7.91	2.77
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	7.91	2.77
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	7.91	2.77
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	7.91	2.77
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	7.91	2.77
IBLK	IBLK	02/19/2025	11:26	PL094255.D	7.91	2.77
PEM	PEM	02/19/2025	11:39	PL094256.D	7.90	2.77
PSTDCCC050	PSTDCCC050	02/19/2025	12:21	PL094257.D	7.91	2.77
PB166771BL	PB166771BL	02/19/2025	14:37	PL094260.D	7.91	2.77
PB166771BS	PB166771BS	02/19/2025	14:51	PL094261.D	7.91	2.77
OU4-PCS-TC-01-021725	Q1382-01	02/19/2025	16:12	PL094264.D	7.91	2.77
OU4-PCS-TC-01-021725MS	Q1382-01MS	02/19/2025	16:25	PL094265.D	7.91	2.77
OU4-PCS-TC-01-021725MSD	Q1382-01MSD	02/19/2025	16:39	PL094266.D	7.91	2.77
OU4-PCS-TC-02-021725	Q1382-03	02/19/2025	16:52	PL094267.D	7.91	2.77
OU4-PCS-TC-03-021725	Q1382-05	02/19/2025	17:06	PL094268.D	7.92	2.79
OU4-PCS-TC-04-021725	Q1382-07	02/19/2025	17:19	PL094269.D	7.91	2.77
IBLK	IBLK	02/19/2025	17:33	PL094270.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/19/2025	17:47	PL094271.D	7.91	2.77
OU4-PCS-TC-05-021725	Q1382-09	02/19/2025	18:27	PL094274.D	7.91	2.77
OU4-PCS-TC-06-021725	Q1382-11	02/19/2025	18:41	PL094275.D	7.91	2.77
OU4-PCS-TC-07-021725	Q1382-13	02/19/2025	18:54	PL094276.D	7.91	2.77
OU4-PCS-TC-08-021725	Q1382-15	02/19/2025	19:08	PL094277.D	7.91	2.77
OU4-PCS-TC-09-021725	Q1382-17	02/19/2025	19:21	PL094278.D	7.91	2.77
OU4-PCS-TC-10-021725	Q1382-19	02/19/2025	19:35	PL094279.D	7.91	2.77
IBLK	IBLK	02/19/2025	20:43	PL094284.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/19/2025	21:10	PL094286.D	7.91	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-01-021725MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

SDG NO.: Q1382

Lab Sample ID: Q1382-01MS

Date(s) Analyzed: 02/19/2025

02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.77	4.72	4.82	16.4	1.2
	2	4.13	4.08	4.18	16.6	
Heptachlor epoxide	1	5.68	5.63	5.73	17.2	2.3
	2	4.72	4.67	4.77	17.6	
Endosulfan I	1	6.07	6.02	6.12	16.9	7.4
	2	5.09	5.04	5.14	18.2	
gamma-Chlordane	1	5.94	5.89	5.99	18.2	4.3
	2	4.97	4.92	5.02	19.0	
alpha-Chlordane	1	6.02	5.97	6.07	17.4	6.1
	2	5.04	4.99	5.09	18.5	
4,4'-DDE	1	6.19	6.14	6.24	18.2	0.5
	2	5.22	5.17	5.27	18.3	
Dieldrin	1	6.34	6.29	6.39	17.1	6.8
	2	5.36	5.31	5.41	18.3	
Endrin	1	6.57	6.52	6.62	17.9	10.1
	2	5.63	5.58	5.68	19.8	
Endosulfan II	1	6.79	6.74	6.84	16.8	11.8
	2	5.93	5.88	5.98	18.9	
4,4'-DDD	1	6.71	6.66	6.76	18.0	1.1
	2	5.78	5.73	5.83	18.2	
4,4'-DDT	1	7.02	6.97	7.07	18.9	8.6
	2	6.03	5.98	6.08	20.6	
Endrin aldehyde	1	6.92	6.87	6.97	16.2	4.8
	2	6.11	6.06	6.16	17.0	
Endosulfan sulfate	1	7.16	7.11	7.21	17.0	9
	2	6.33	6.28	6.38	18.6	
Methoxychlor	1	7.50	7.45	7.55	18.6	5.2
	2	6.61	6.56	6.66	19.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-01-021725MS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382

SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-01MS

Date(s) Analyzed: 02/19/2025 02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	17.0	6.3
	2	6.84	6.79	6.89	18.1	
alpha-BHC	1	3.99	3.94	4.04	15.8	6.1
	2	3.27	3.22	3.32	16.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.9	4.3
	2	3.60	3.55	3.65	16.6	
Heptachlor	1	4.91	4.86	4.96	17.4	2.3
	2	3.94	3.89	3.99	17.8	
Aldrin	1	5.26	5.21	5.31	16.7	4.1
	2	4.22	4.17	4.27	17.4	
beta-BHC	1	4.52	4.47	4.57	16.5	4.7
	2	3.90	3.85	3.95	17.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-01-021725MSD

Contract: NOBI03

Lab Code: CHEM Case No.: Q1382

SAS No.: Q1382 SDG NO.: Q1382

Lab Sample ID: Q1382-01MSD

Date(s) Analyzed: 02/19/2025 02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	18.0	0
	2	5.78	5.73	5.83	18.0	
4,4'-DDT	1	7.02	6.97	7.07	18.6	9.2
	2	6.03	5.98	6.08	20.4	
Aldrin	1	5.25	5.20	5.30	16.6	3
	2	4.22	4.17	4.27	17.1	
4,4'-DDE	1	6.19	6.14	6.24	18.1	0.6
	2	5.23	5.18	5.28	18.0	
Endosulfan II	1	6.79	6.74	6.84	16.7	11.3
	2	5.93	5.88	5.98	18.7	
Endrin aldehyde	1	6.92	6.87	6.97	16.2	6
	2	6.11	6.06	6.16	17.2	
Endosulfan sulfate	1	7.16	7.11	7.21	17.0	6.8
	2	6.33	6.28	6.38	18.2	
Methoxychlor	1	7.50	7.45	7.55	18.7	3.2
	2	6.61	6.56	6.66	19.3	
Endrin ketone	1	7.64	7.59	7.69	16.9	6.3
	2	6.84	6.79	6.89	18.0	
alpha-BHC	1	3.99	3.94	4.04	15.7	5
	2	3.27	3.22	3.32	16.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.8	3.7
	2	3.60	3.55	3.65	16.4	
Heptachlor	1	4.91	4.86	4.96	17.4	0.6
	2	3.94	3.89	3.99	17.5	
beta-BHC	1	4.52	4.47	4.57	16.4	4.2
	2	3.90	3.85	3.95	17.1	
delta-BHC	1	4.77	4.72	4.82	16.4	0.6
	2	4.13	4.08	4.18	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-01-021725MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382

SAS No.: Q1382

SDG NO.: Q1382

Lab Sample ID: Q1382-01MSD

Date(s) Analyzed: 02/19/2025 02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.68	5.63	5.73	16.9	2.9
	2	4.72	4.67	4.77	17.4	
Endosulfan I	1	6.07	6.02	6.12	16.9	5.7
	2	5.09	5.04	5.14	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	18.0	4.3
	2	4.97	4.92	5.02	18.8	
alpha-Chlordane	1	6.02	5.97	6.07	17.3	5.1
	2	5.04	4.99	5.09	18.2	
Dieldrin	1	6.34	6.29	6.39	17.0	6.3
	2	5.36	5.31	5.41	18.1	
Endrin	1	6.57	6.52	6.62	17.6	12.3
	2	5.63	5.58	5.68	19.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166771BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q1382

SAS No.: Q1382

SDG NO.: Q1382

Lab Sample ID: PB166771BS

Date(s) Analyzed: 02/19/2025

02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	16.6	8.6
	2	5.78	5.73	5.83	18.1	
4,4'-DDE	1	6.19	6.14	6.24	17.5	3.9
	2	5.23	5.18	5.28	18.2	
4,4'-DDT	1	7.02	6.97	7.07	18.2	10.4
	2	6.03	5.98	6.08	20.2	
alpha-BHC	1	3.99	3.94	4.04	15.7	6.2
	2	3.27	3.22	3.32	16.7	
Aldrin	1	5.25	5.20	5.30	16.5	3
	2	4.22	4.17	4.27	17.0	
alpha-Chlordane	1	6.02	5.97	6.07	17.4	5
	2	5.04	4.99	5.09	18.3	
Endosulfan II	1	6.79	6.74	6.84	17.2	9.9
	2	5.93	5.88	5.98	19.0	
Endosulfan sulfate	1	7.16	7.11	7.21	16.7	11.8
	2	6.33	6.28	6.38	18.8	
beta-BHC	1	4.52	4.47	4.57	16.1	4.8
	2	3.90	3.85	3.95	16.9	
delta-BHC	1	4.77	4.72	4.82	15.9	1.9
	2	4.13	4.08	4.18	16.2	
Endosulfan I	1	6.07	6.02	6.12	17.1	6.8
	2	5.09	5.04	5.14	18.3	
Dieldrin	1	6.34	6.29	6.39	17.1	6.2
	2	5.36	5.31	5.41	18.2	
Endrin aldehyde	1	6.92	6.87	6.97	16.4	8.2
	2	6.11	6.06	6.16	17.8	
Methoxychlor	1	7.50	7.45	7.55	17.7	8.1
	2	6.61	6.56	6.66	19.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166771BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1382

SAS No.: Q1382

SDG NO.: Q1382

Lab Sample ID: PB166771BS

Date(s) Analyzed: 02/19/2025 02/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	16.6	11.4
	2	6.83	6.78	6.88	18.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.8	4.3
	2	3.60	3.55	3.65	16.5	
Heptachlor	1	4.91	4.86	4.96	17.5	2.8
	2	3.94	3.89	3.99	18.0	
Heptachlor epoxide	1	5.68	5.63	5.73	16.8	5.8
	2	4.72	4.67	4.77	17.8	
gamma-Chlordane	1	5.94	5.89	5.99	17.6	4.4
	2	4.97	4.92	5.02	18.4	
Endrin	1	6.57	6.52	6.62	17.5	9.3
	2	5.63	5.58	5.68	19.2	



QC SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166771BL	SDG No.:	Q1382
Lab Sample ID:	PB166771BL	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
PL094260.D	1	02/19/25 08:10	02/19/25 14:37	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00049	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00047	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
76-44-8	Heptachlor	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
309-00-2	Aldrin	0.00083	U	0.00014	0.00083	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00023	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
60-57-1	Dieldrin	0.00083	U	0.00015	0.00083	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00083	U	0.00013	0.00083	0.0017	mg/Kg
72-20-8	Endrin	0.00083	U	0.00016	0.00083	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00030	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00083	U	0.00013	0.00083	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00038	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00022	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0052	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.8		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		42 - 129		99%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB166771BL		SDG No.:	Q1382	
Lab Sample ID:	PB166771BL		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
PL094260.D	1	02/19/25 08:10	02/19/25 14:37	PB166771

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\PL021925\
 Data File : PL094260.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 14:37
 Operator : AR\AJ
 Sample : PB166771BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166771BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:11:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.540	2.772	52656033	64334352	19.555	19.709
28) SA Decachlor...	9.053	7.906	46674339	83514581	22.312	23.834

Target Compounds

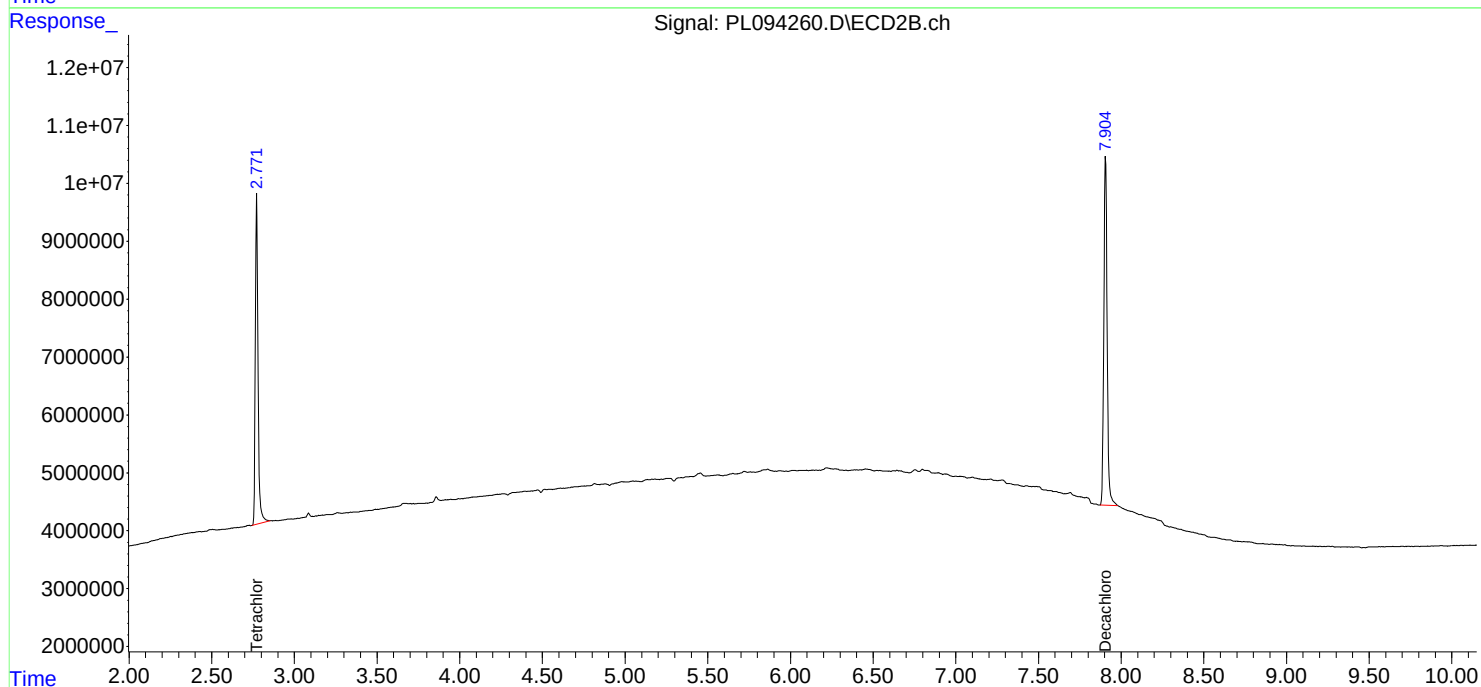
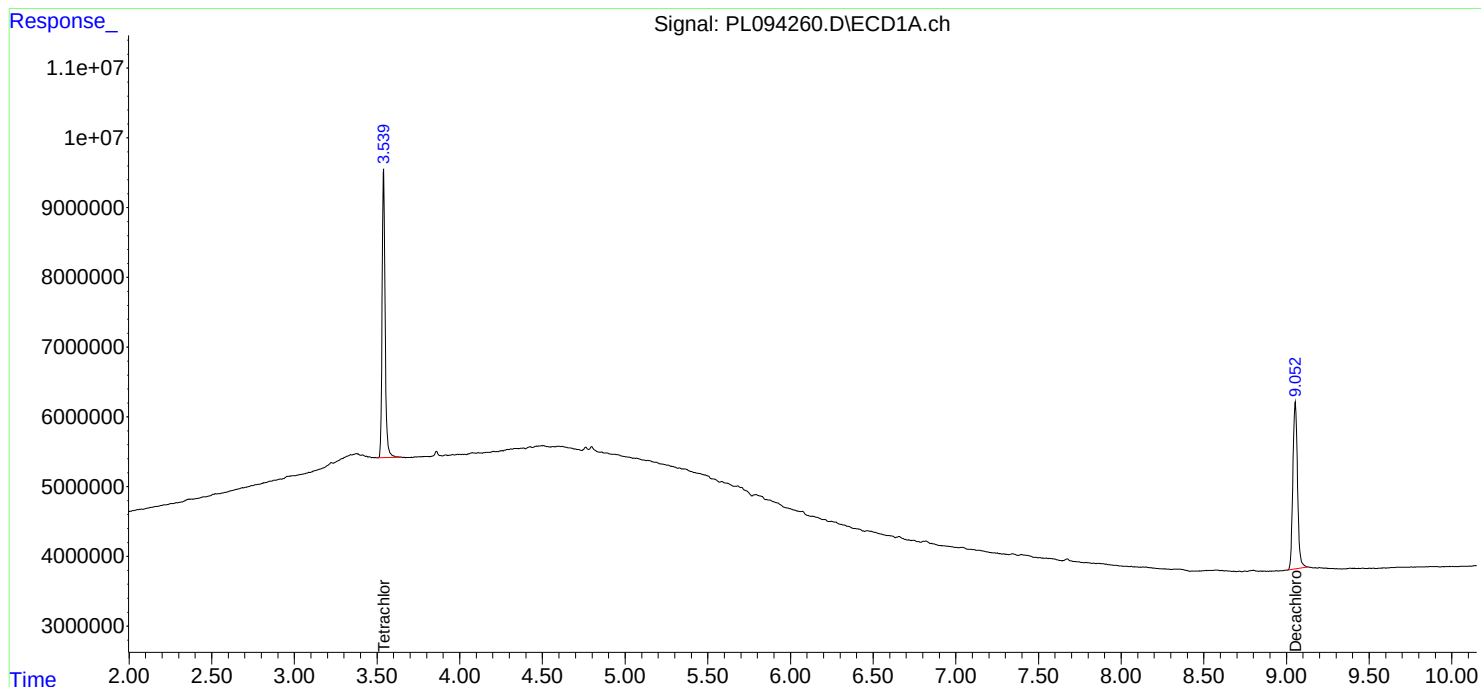
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

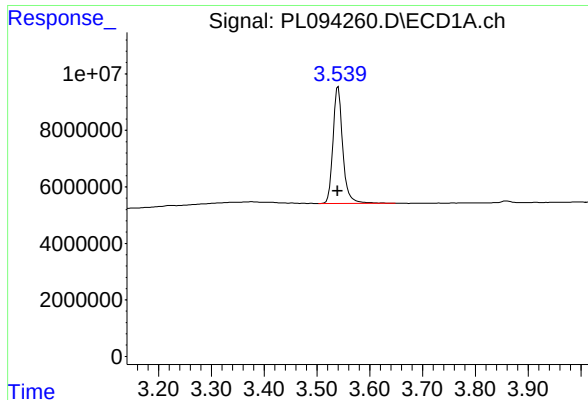
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 14:37
Operator : AR\AJ
Sample : PB166771BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166771BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:11:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

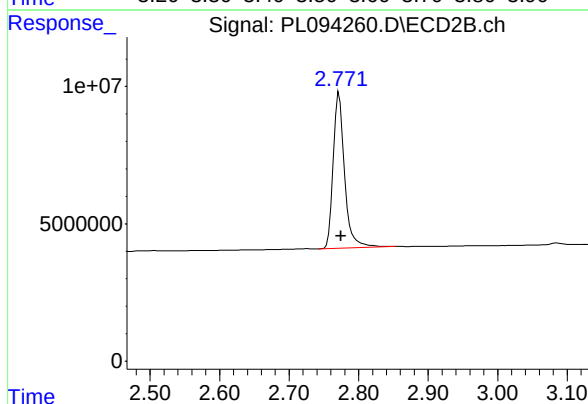




#1 Tetrachloro-m-xylene

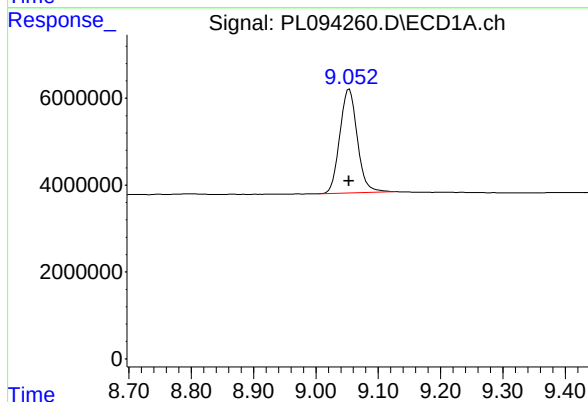
R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 52656033
Conc: 19.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BL



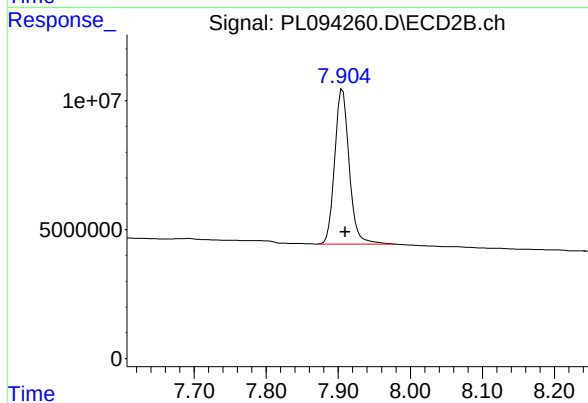
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 64334352
Conc: 19.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 46674339
Conc: 22.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 83514581
Conc: 23.83 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	01/21/25
Project:	Raymark Superfund Site	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PL093725.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	Decanted:	
		Final Vol:	10000
			uL
		Injection Volume :	

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000015	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.1		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		44 - 124		104%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	01/21/25	
Project:	Raymark Superfund Site		Date Received:	01/21/25	
Client Sample ID:	PIBLK-PL093725.D		SDG No.:	Q1382	
Lab Sample ID:	I.BLK-PL093725.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL093725.D	1		01/21/25	PL012125

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

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

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

Instrument :
ECD_L
ClientSampleId :
I.BLK

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

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

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

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

Target Compounds

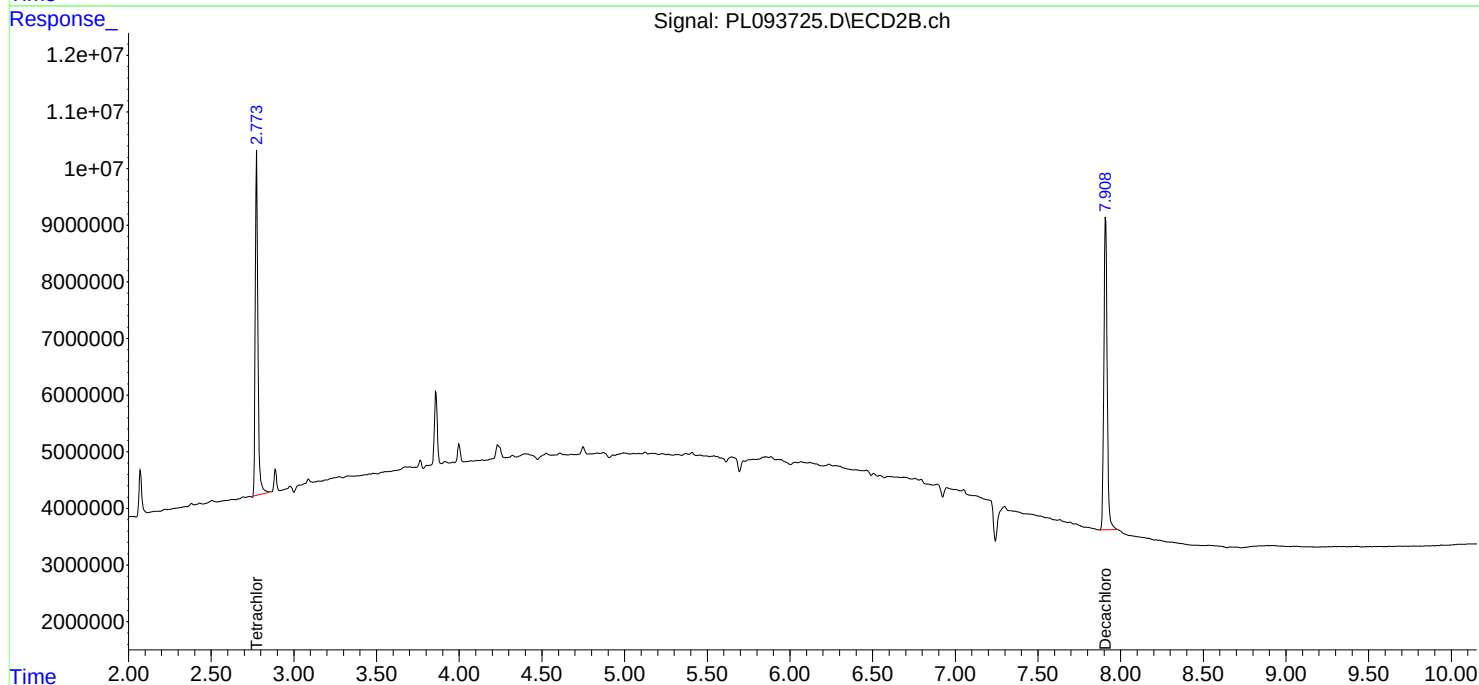
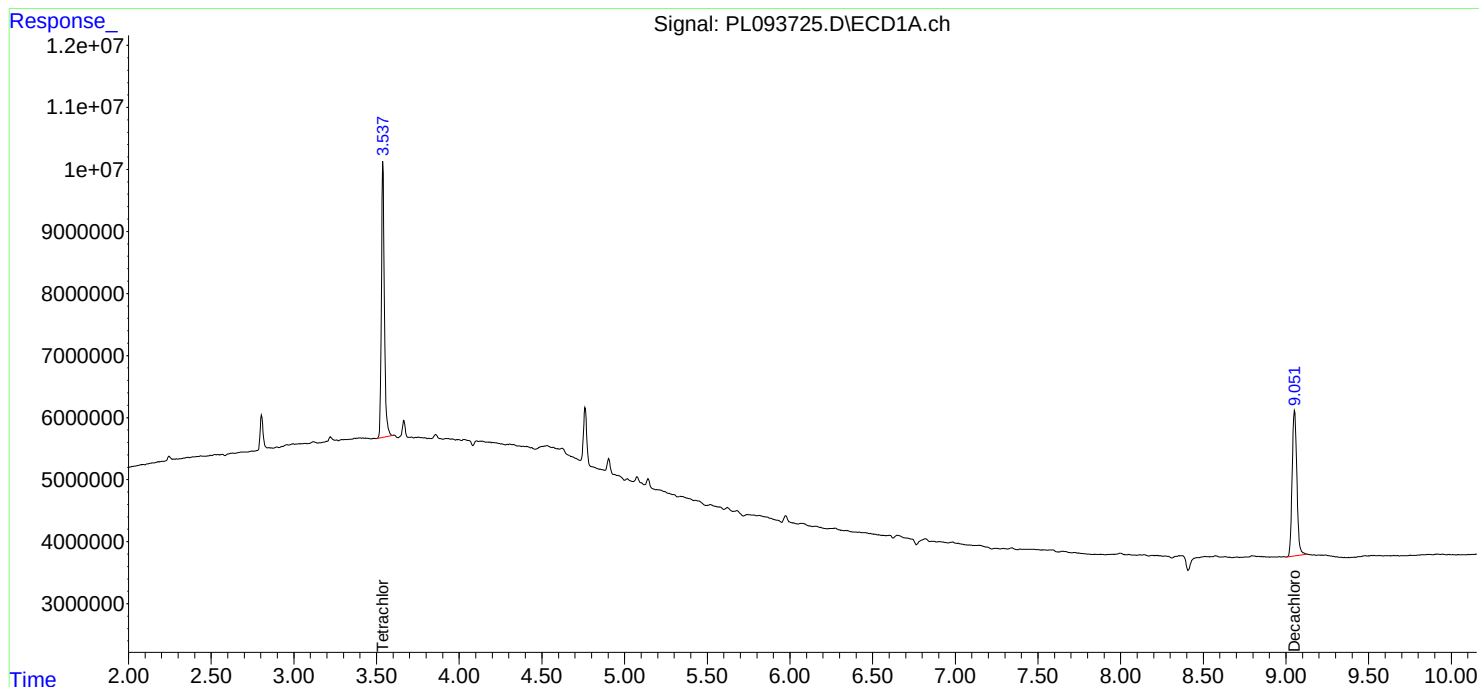
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

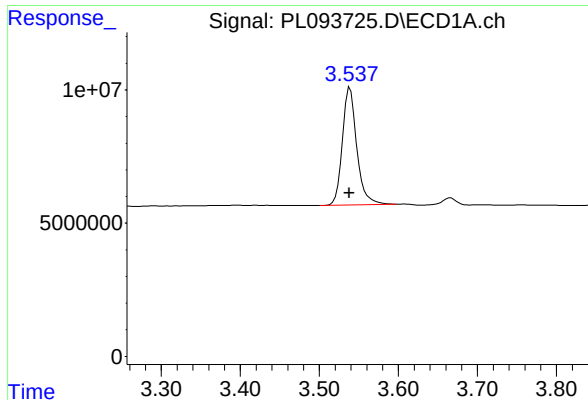
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

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

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

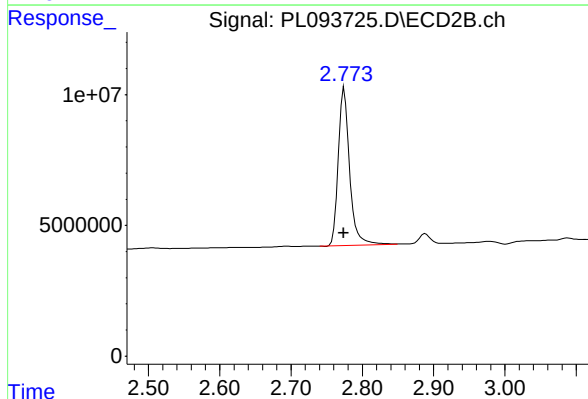




#1 Tetrachloro-m-xylene

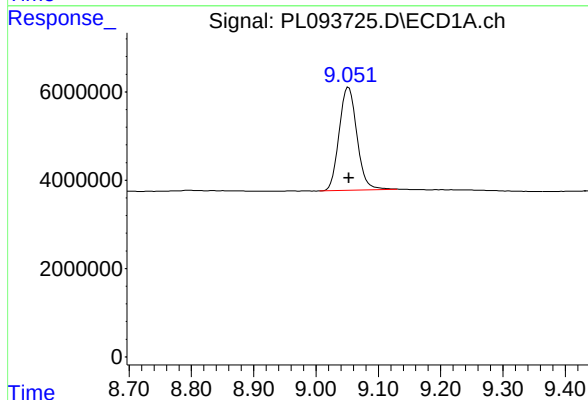
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 55919553
Conc: 20.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



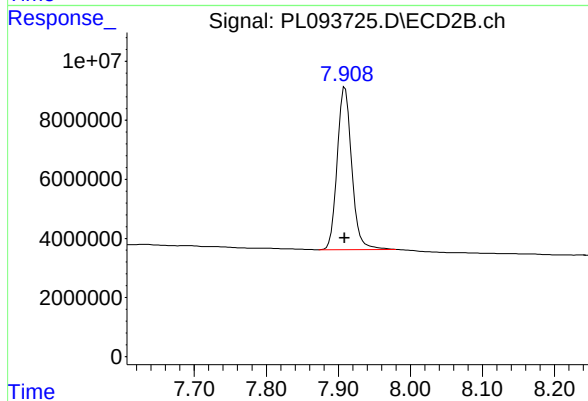
#1 Tetrachloro-m-xylene

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094255.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PL094255.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	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094255.D	1		02/19/25	pl021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000015	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	27.8	*	30 - 135		139%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.6		44 - 124		123%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094255.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PL094255.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
PL094255.D	1		02/19/25	pl021925

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\PL021925\
Data File : PL094255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	63288688	80245206	23.503	24.584
28) SA Decachlor...	9.050	7.905	53595910	97434492	25.621	27.806

Target Compounds

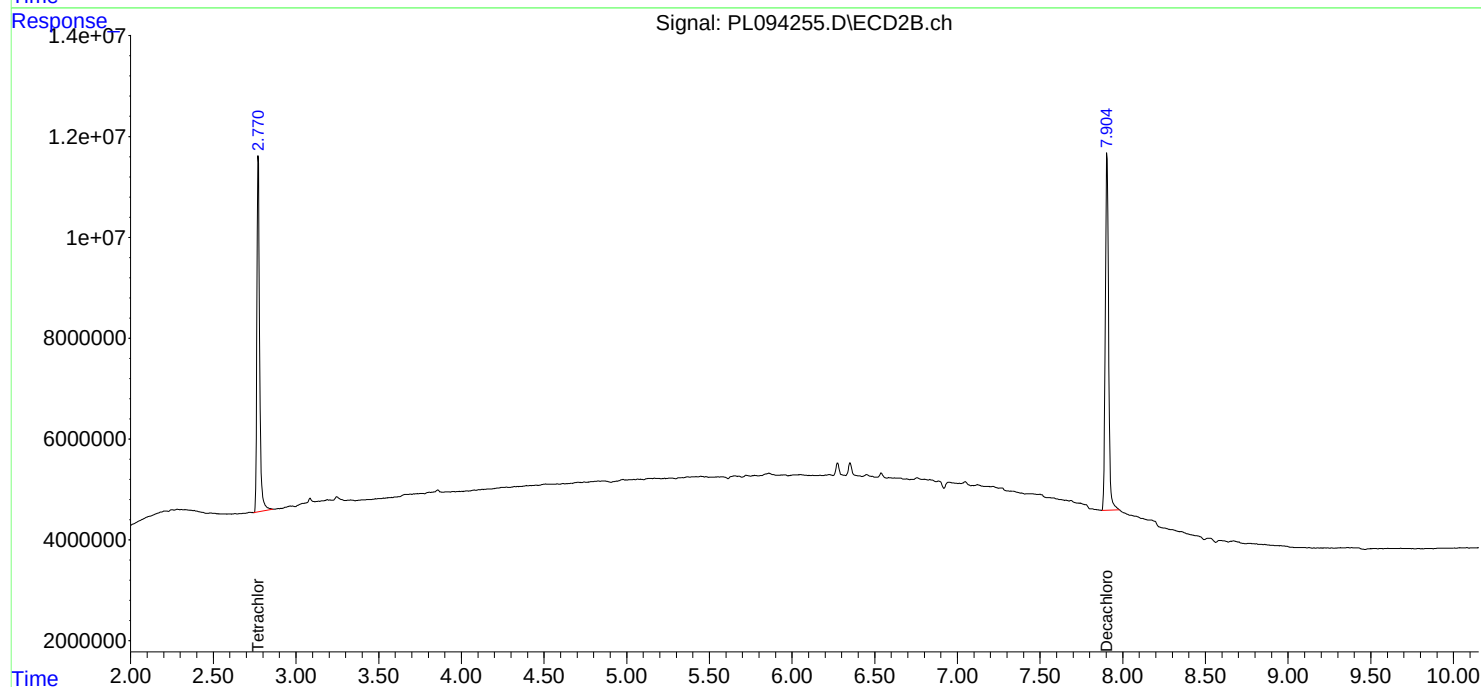
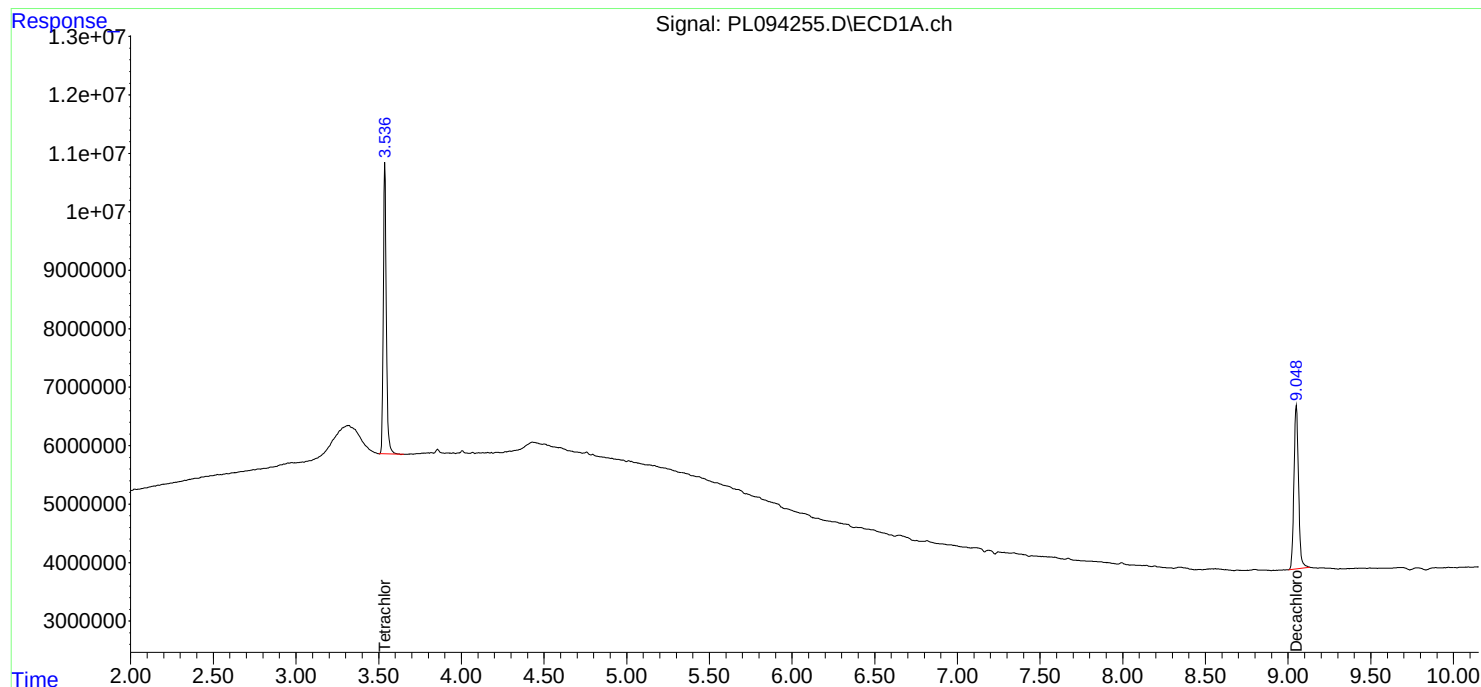
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

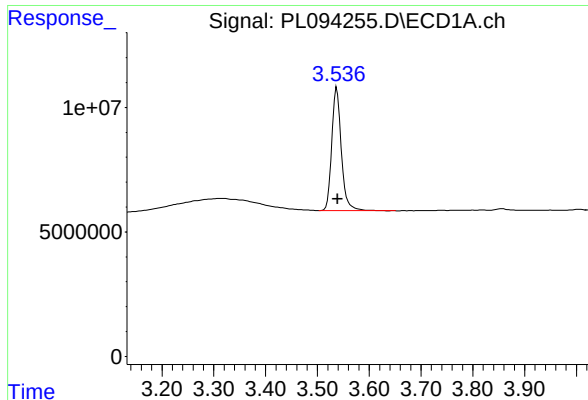
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

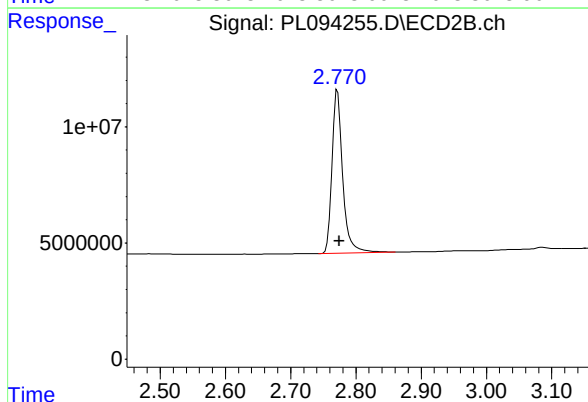




#1 Tetrachloro-m-xylene

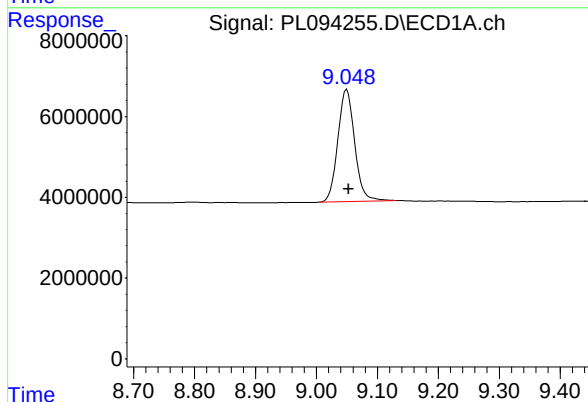
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 63288688
Conc: 23.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



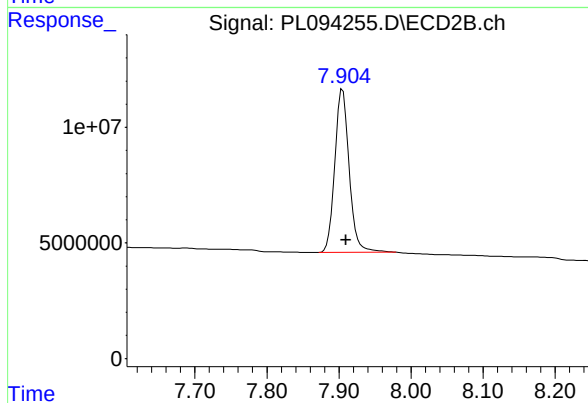
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 80245206
Conc: 24.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 53595910
Conc: 25.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 97434492
Conc: 27.81 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094270.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PL094270.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
PL094270.D	1		02/19/25	pl021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000015	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.8		30 - 135		129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		44 - 124		110%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/19/25	
Project:	Raymark Superfund Site		Date Received:	02/19/25	
Client Sample ID:	PIBLK-PL094270.D		SDG No.:	Q1382	
Lab Sample ID:	I.BLK-PL094270.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
PL094270.D	1		02/19/25	pl021925

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\PL021925\
Data File : PL094270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	58956948	72063400	21.895	22.077
28) SA Decachlor...	9.049	7.905	50624218	90268541	24.200	25.761

Target Compounds

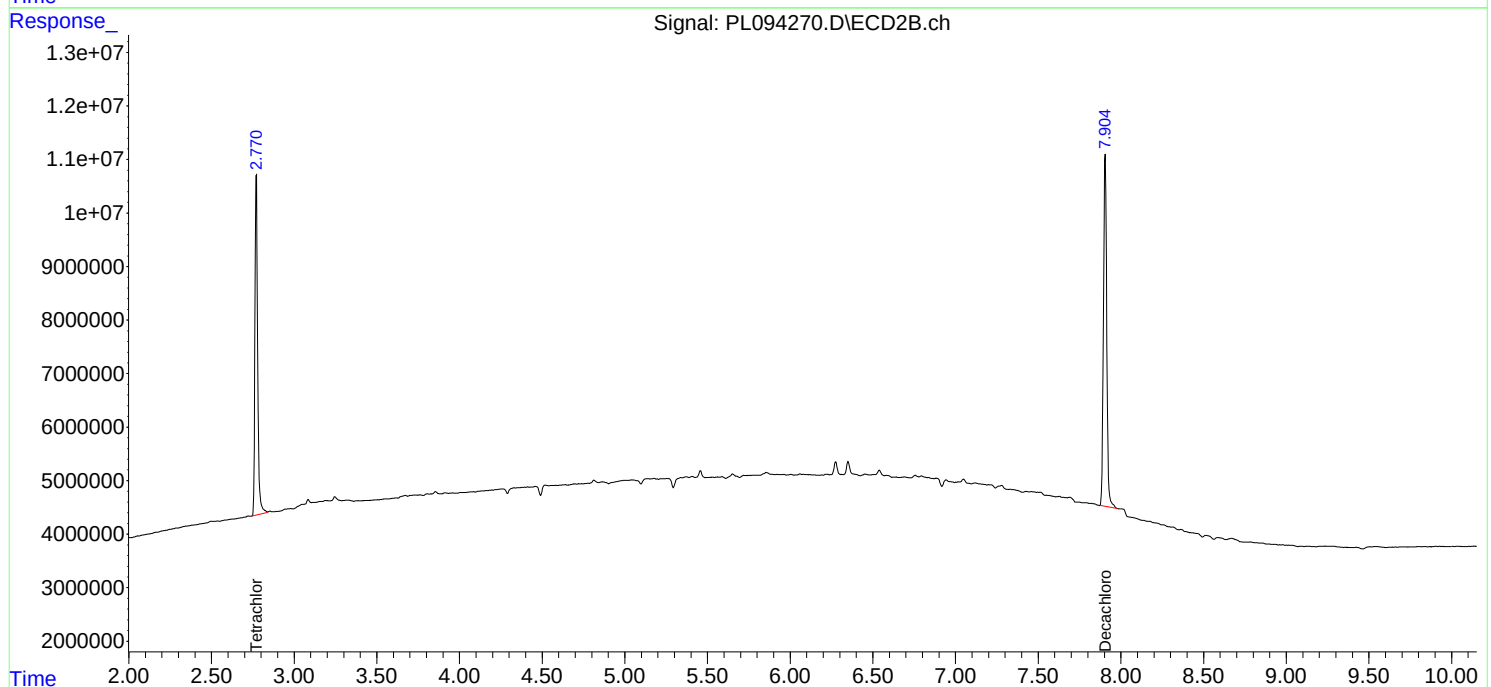
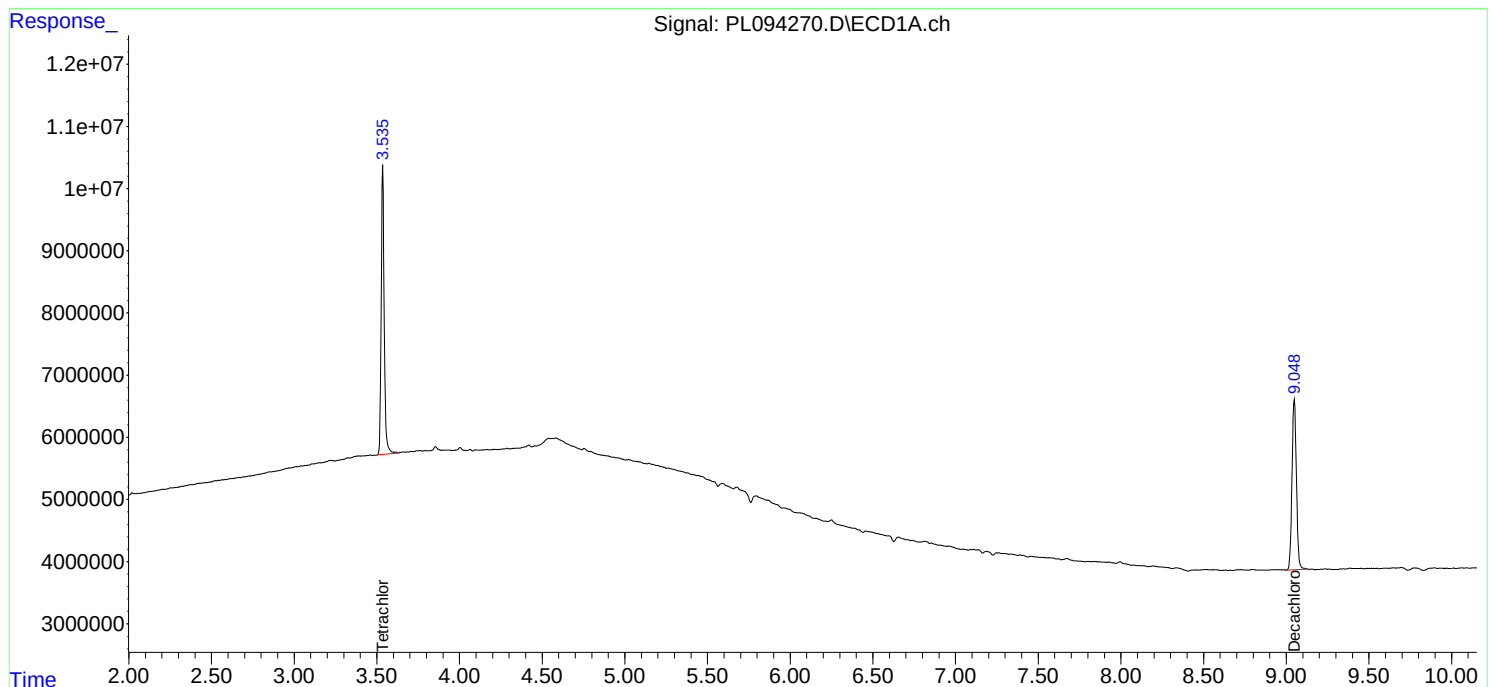
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

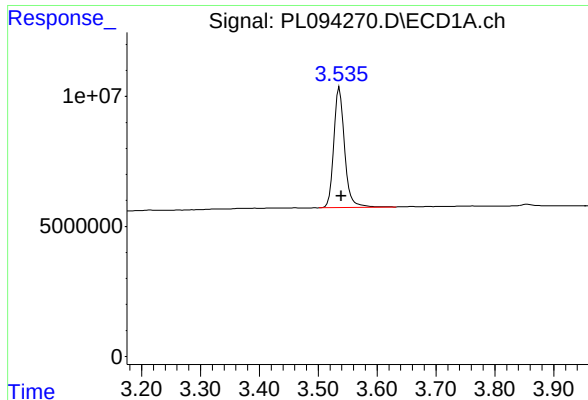
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

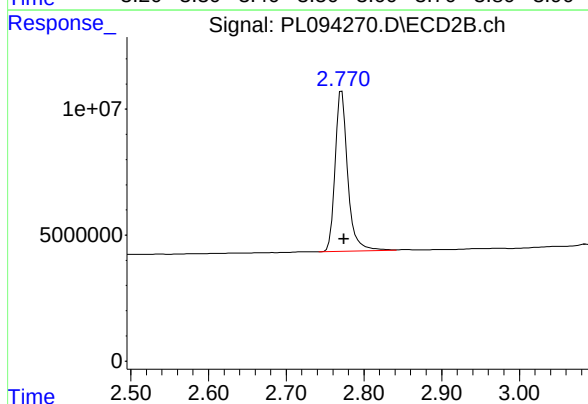




#1 Tetrachloro-m-xylene

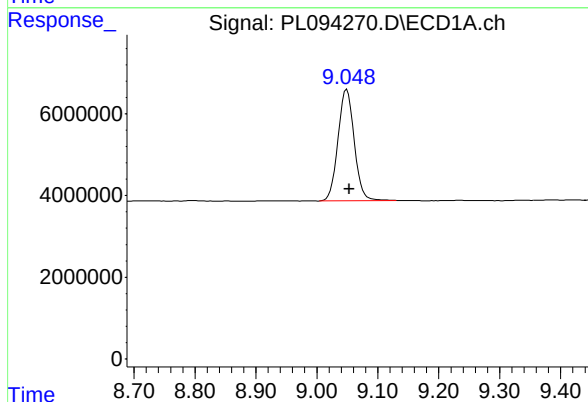
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 58956948
Conc: 21.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



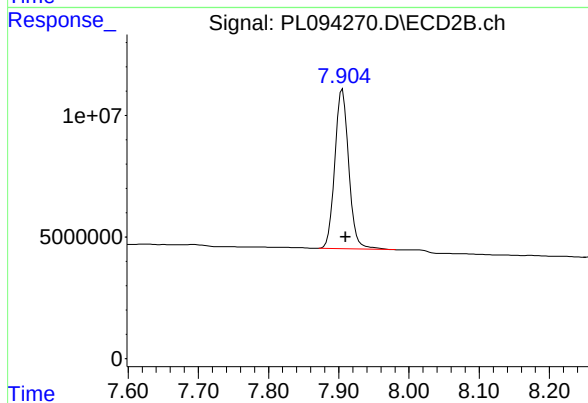
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 72063400
Conc: 22.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 50624218
Conc: 24.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 90268541
Conc: 25.76 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094284.D	SDG No.:	Q1382
Lab Sample ID:	I.BLK-PL094284.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
PL094284.D	1		02/19/25	pl021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000015	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.4		30 - 135		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		44 - 124		113%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/19/25	
Project:	Raymark Superfund Site		Date Received:	02/19/25	
Client Sample ID:	PIBLK-PL094284.D		SDG No.:	Q1382	
Lab Sample ID:	I.BLK-PL094284.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
PL094284.D	1		02/19/25	pl021925

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\PL021925\
 Data File : PL094284.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 20:43
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:18:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.772	59513275	73956696	22.101	22.657
28) SA Decachlor...	9.050	7.905	50950487	81820494	24.356	23.350

Target Compounds

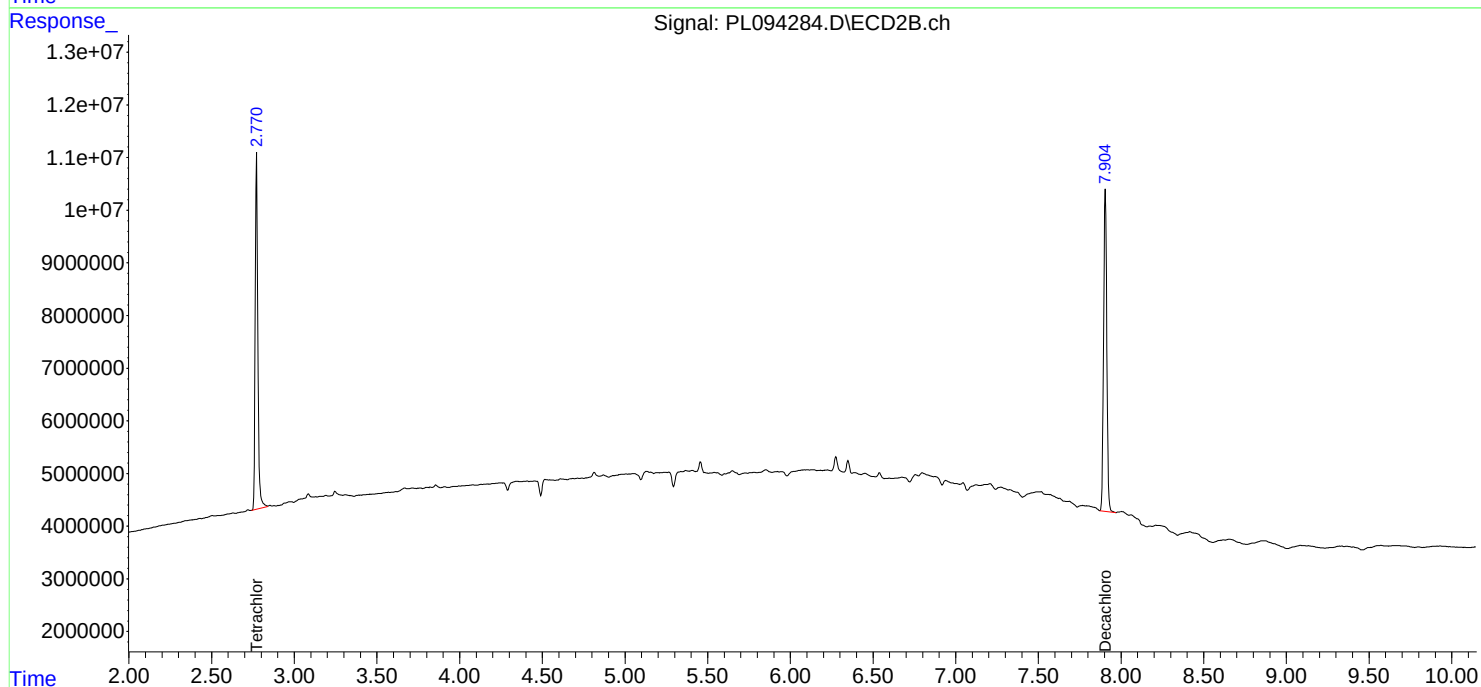
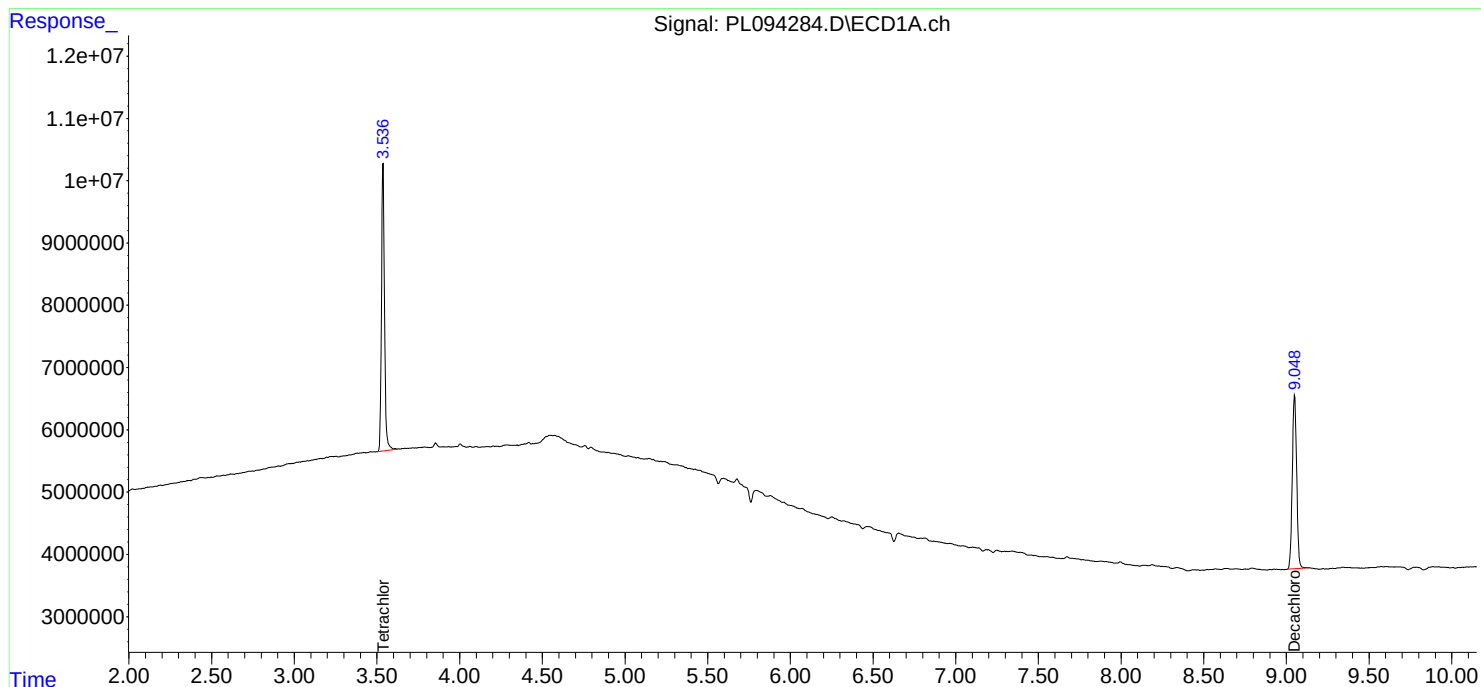
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

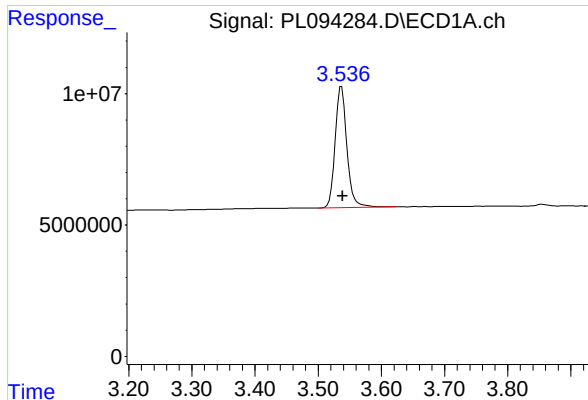
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

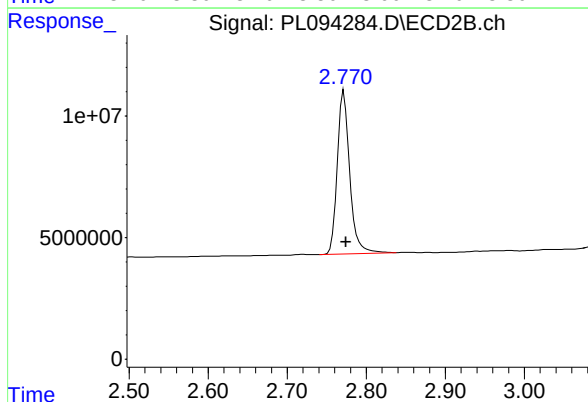




#1 Tetrachloro-m-xylene

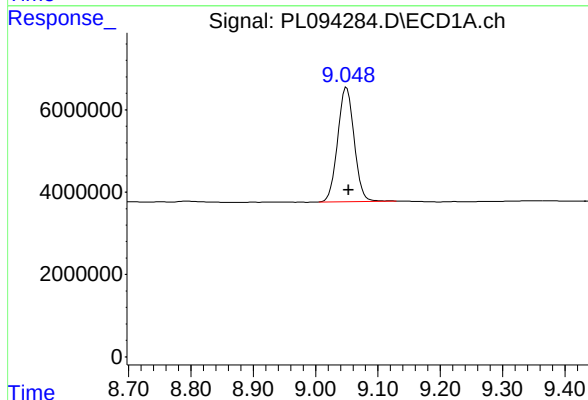
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 59513275
Conc: 22.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



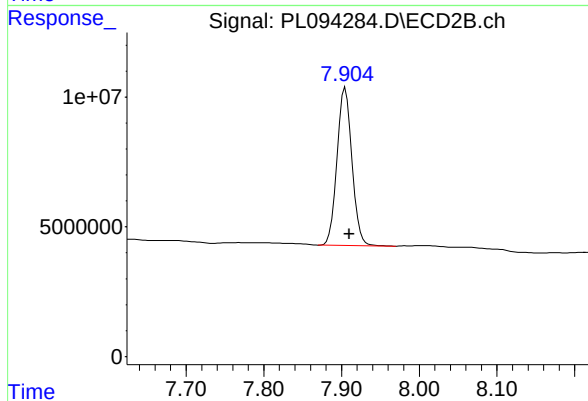
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 73956696
Conc: 22.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50950487
Conc: 24.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 81820494
Conc: 23.35 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166771BS	SDG No.:	Q1382
Lab Sample ID:	PB166771BS	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
PL094261.D	1	02/19/25 08:10	02/19/25 14:51	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00049	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.016		0.00047	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00019	0.00083	0.0017	mg/Kg
76-44-8	Heptachlor	0.018		0.00017	0.00083	0.0017	mg/Kg
309-00-2	Aldrin	0.017		0.00014	0.00083	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00023	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.018		0.00017	0.00083	0.0017	mg/Kg
60-57-1	Dieldrin	0.018		0.00015	0.00083	0.0017	mg/Kg
72-55-9	4,4-DDE	0.018		0.00013	0.00083	0.0017	mg/Kg
72-20-8	Endrin	0.019		0.00016	0.00083	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00030	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.018		0.00019	0.00083	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00013	0.00083	0.0017	mg/Kg
50-29-3	4,4-DDT	0.020		0.00017	0.00083	0.0017	mg/Kg
72-43-5	Methoxychlor	0.019		0.00038	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.019		0.00022	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00039	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00017	0.00083	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.018		0.00019	0.00083	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0052	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.2		55 - 130		126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		42 - 129		105%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB166771BS		SDG No.:	Q1382	
Lab Sample ID:	PB166771BS		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
PL094261.D	1	02/19/25 08:10	02/19/25 14:51	PB166771

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\PL021925\
 Data File : PL094261.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 14:51
 Operator : AR\AJ
 Sample : PB166771BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166771BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:11:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	56644945	68789373	21.036	21.074
28) SA Decachlor...	9.050	7.905	50606872	88208911	24.192	25.173
Target Compounds						
2) A alpha-BHC	3.993	3.274	181.1E6	245.3E6	47.249	50.180
3) MA gamma-BHC...	4.325	3.604	174.8E6	235.5E6	47.450	49.668
4) MA Heptachlor	4.912	3.941	172.7E6	250.9E6	52.700m	53.910
5) MB Aldrin	5.254	4.221	162.5E6	232.7E6	49.668	51.018
6) B beta-BHC	4.524	3.904	77824335	101.7E6	48.419	50.896
7) B delta-BHC	4.771	4.132	167.9E6	231.1E6	47.895	48.647
8) B Heptachlo...	5.681	4.723	149.8E6	223.4E6	50.385	53.445
9) A Endosulfan I	6.066	5.093	136.1E6	212.8E6	51.491	54.896
10) B gamma-Chl...	5.937	4.973	147.1E6	233.6E6	52.773	55.114
11) B alpha-Chl...	6.016	5.036	145.8E6	229.5E6	52.295	54.816
12) B 4,4'-DDE	6.189	5.226	128.2E6	219.5E6	52.658	54.747
13) MA Dieldrin	6.341	5.356	142.5E6	234.5E6	51.339	54.585m
14) MA Endrin	6.569	5.631	123.2E6	212.9E6	52.542m	57.658m
15) B Endosulfa...	6.791	5.926	124.7E6	210.8E6	51.758	56.913m
16) A 4,4'-DDD	6.707	5.781	94978625	171.7E6	49.974	54.388
17) MA 4,4'-DDT	7.020	6.031	107.9E6	197.0E6	54.717	60.542
18) B Endrin al...	6.921	6.107	95590321	162.5E6	49.171	53.367
19) B Endosulfa...	7.156	6.329	113.6E6	201.4E6	50.176	56.470
20) A Methoxychlor	7.497	6.605	55483784	103.3E6	53.176	57.753
21) B Endrin ke...	7.640	6.834	125.8E6	234.9E6	49.851	55.996
22) Mirex	8.112	7.014	99610293	179.7E6	47.832	53.132

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 14:51
Operator : AR\AJ
Sample : PB166771BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB166771BS

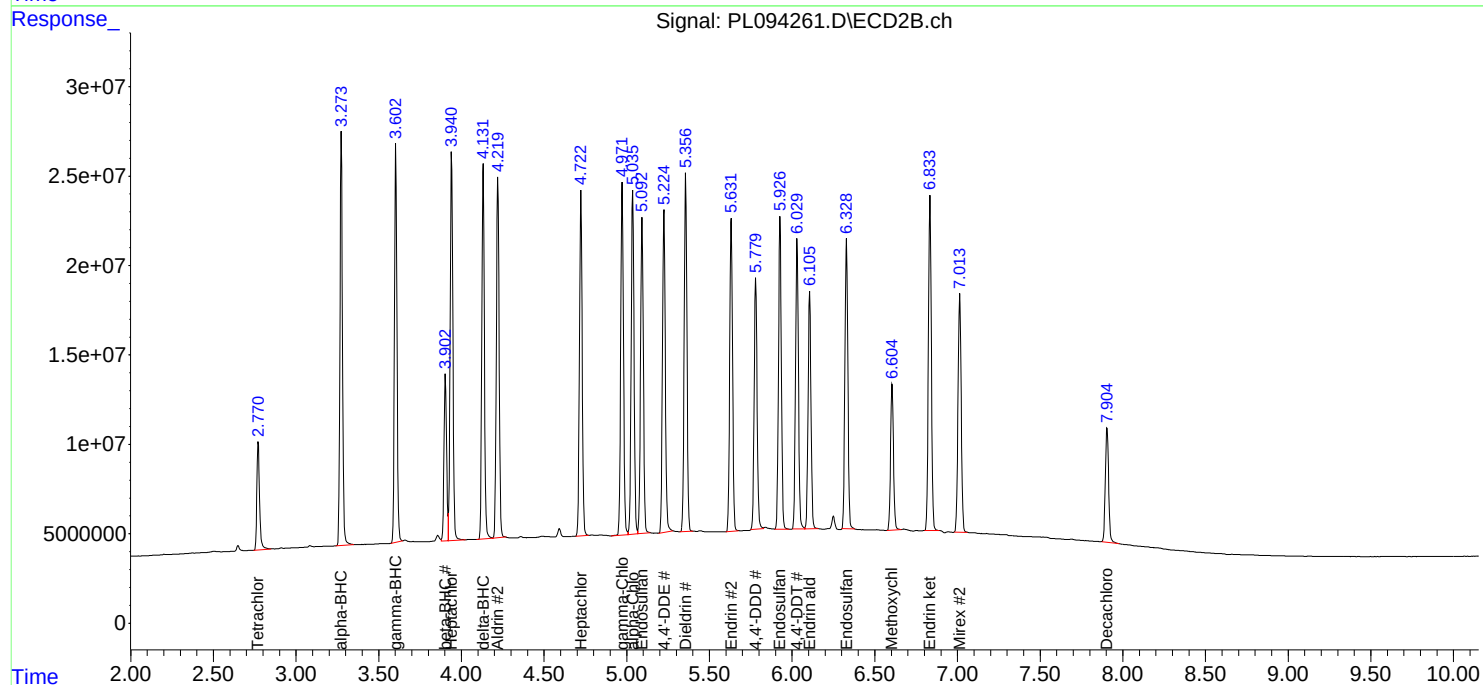
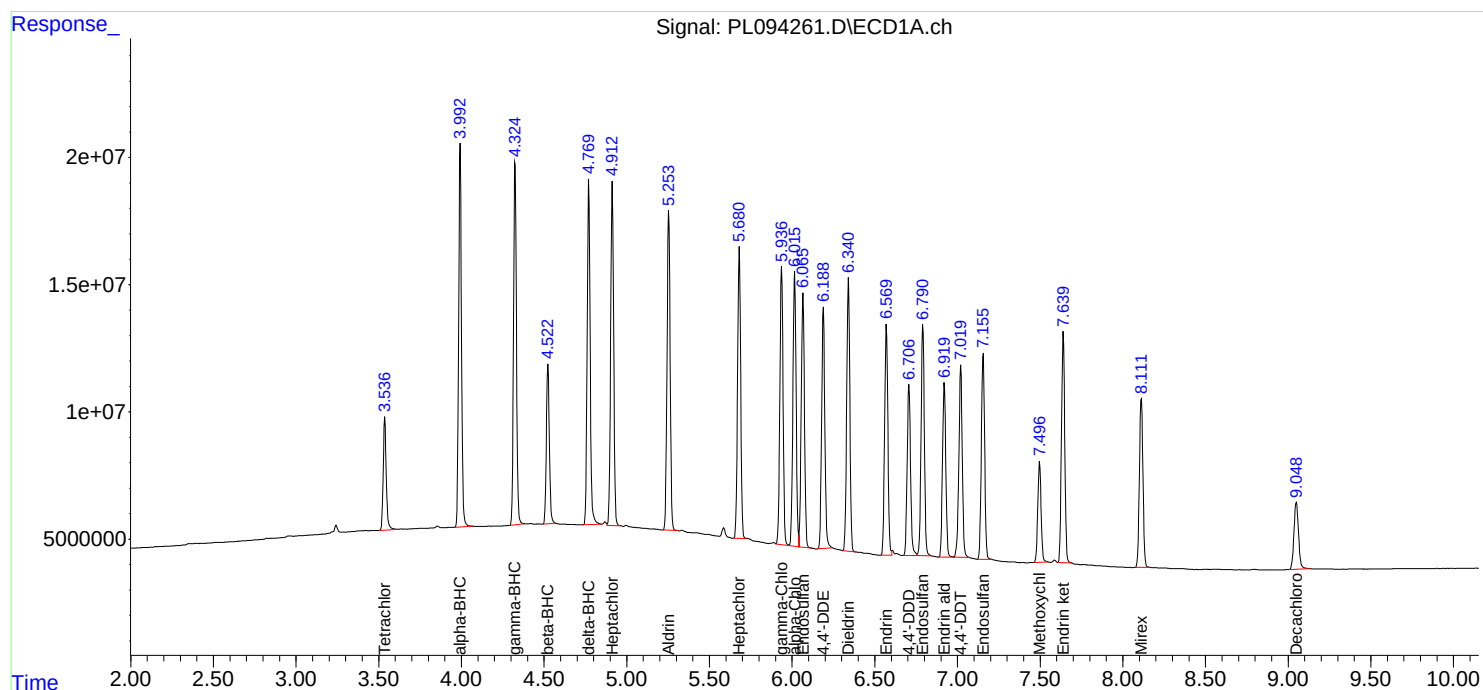
Manual Integrations

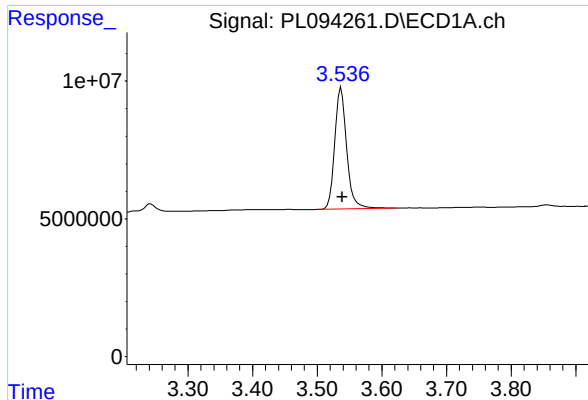
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:11:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





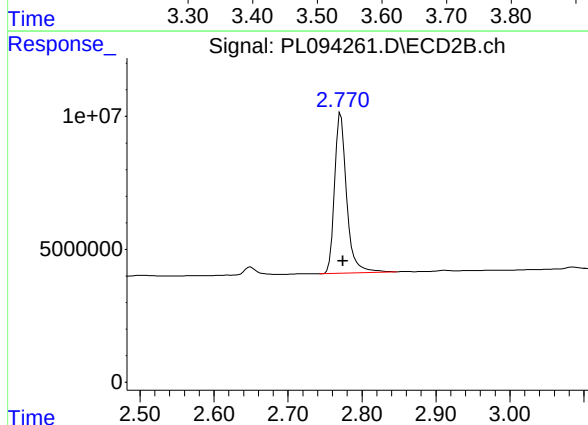
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 56644945
Conc: 21.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

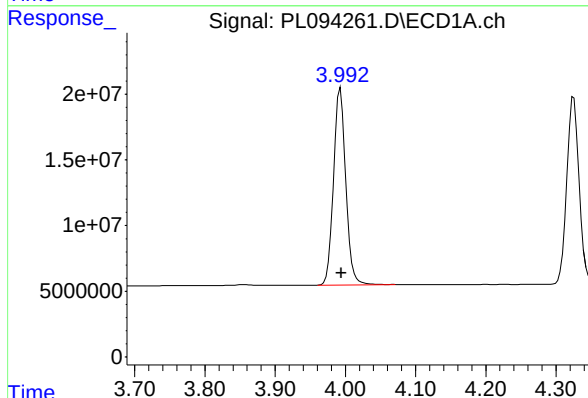
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



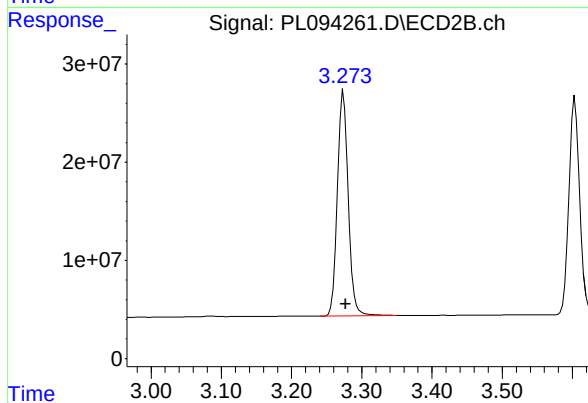
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 68789373
Conc: 21.07 ng/ml



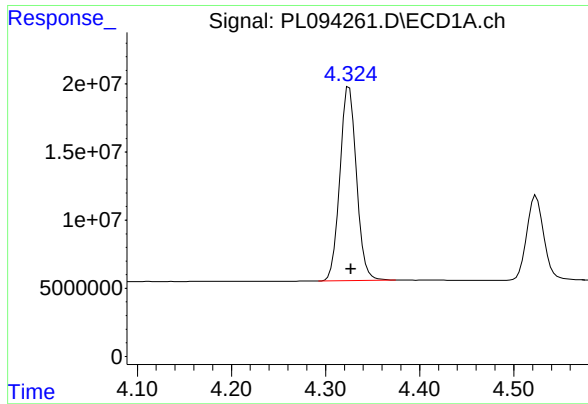
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 181144137
Conc: 47.25 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 245327108
Conc: 50.18 ng/ml



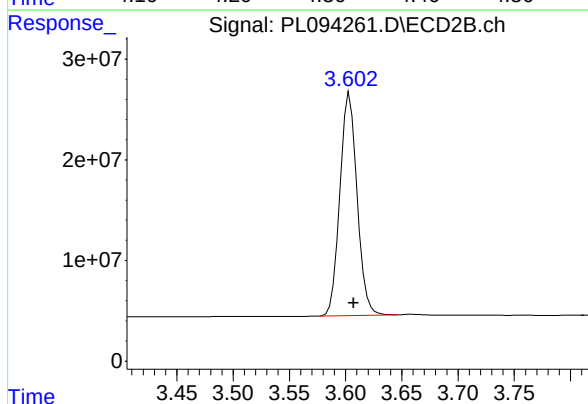
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 174752559
Conc: 47.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

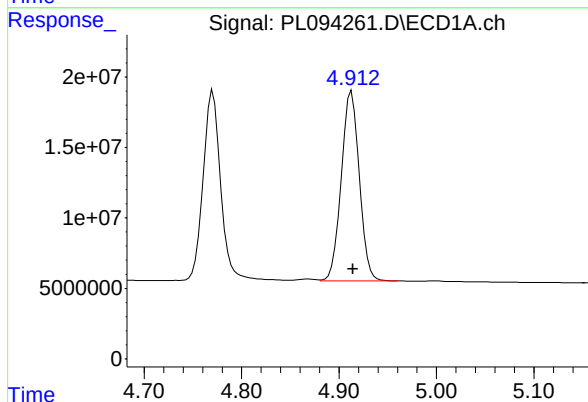
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



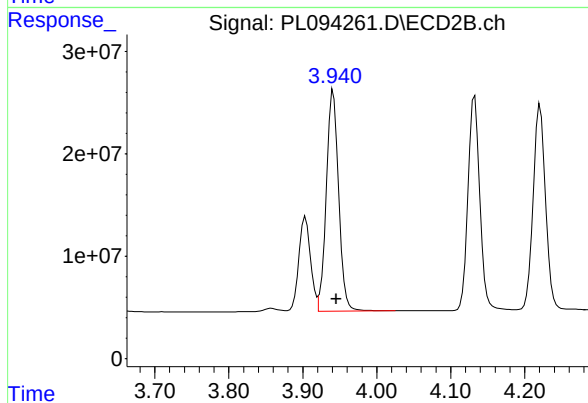
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 235486803
Conc: 49.67 ng/ml



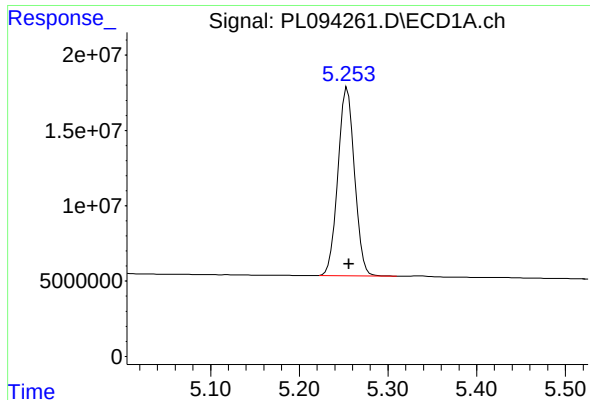
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 172716389
Conc: 52.70 ng/ml m



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 250942030
Conc: 53.91 ng/ml



#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 162512183
Conc: 49.67 ng/ml

Instrument :

ECD_L

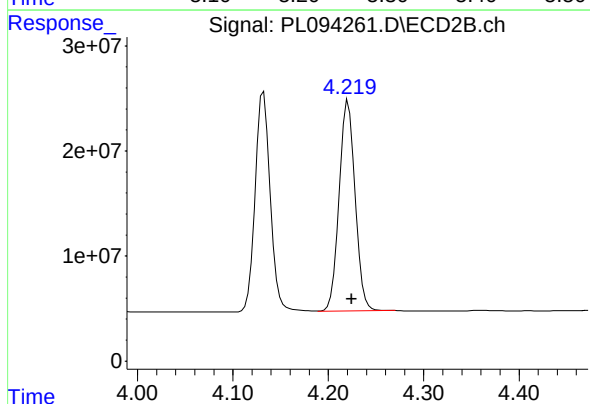
ClientSampleId :

PB166771BS

Manual Integrations

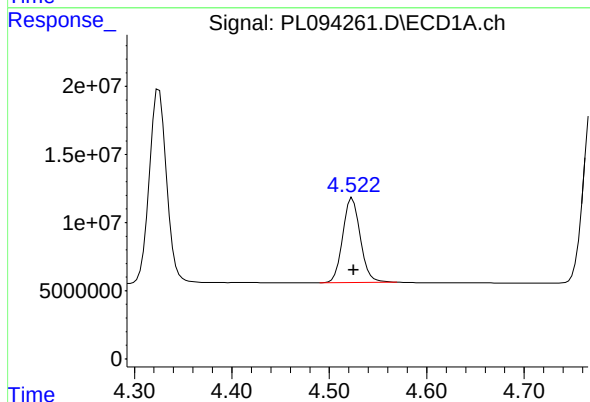
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



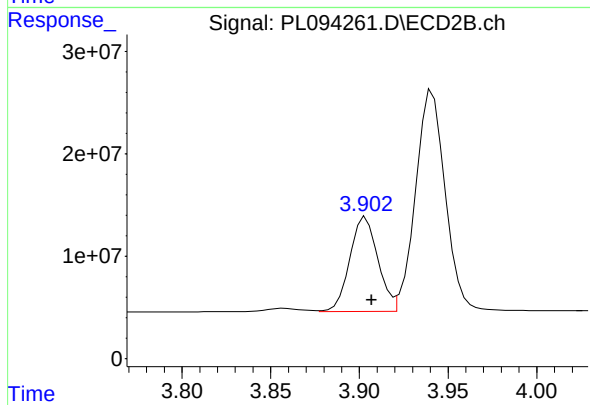
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 232735076
Conc: 51.02 ng/ml



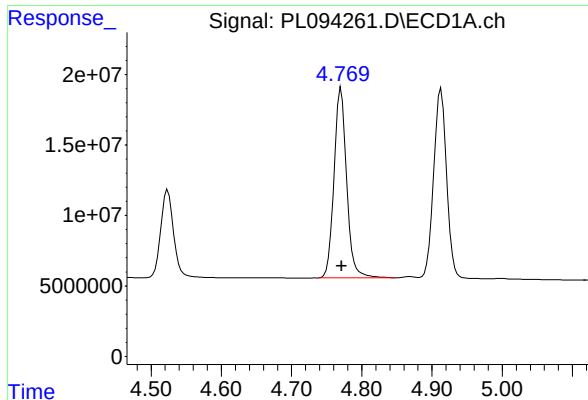
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 77824335
Conc: 48.42 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 101662255
Conc: 50.90 ng/ml



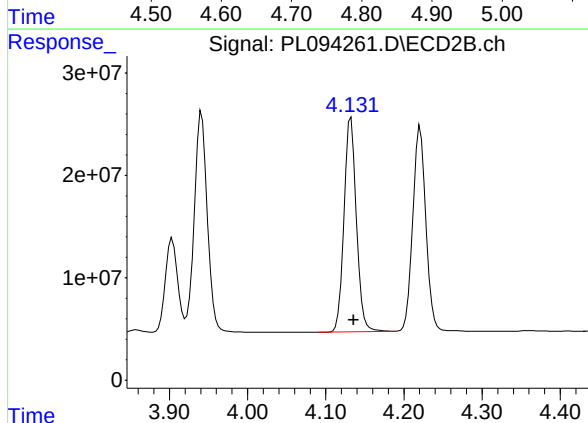
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 167884989
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

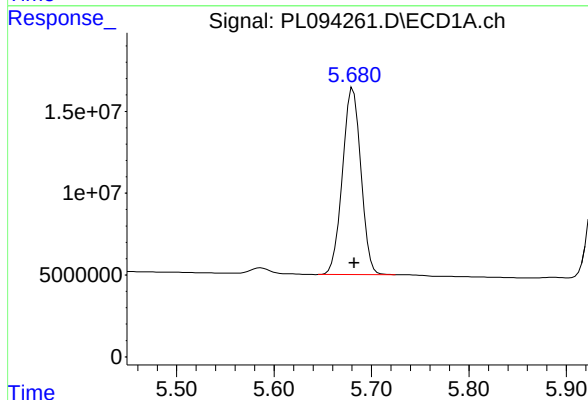
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



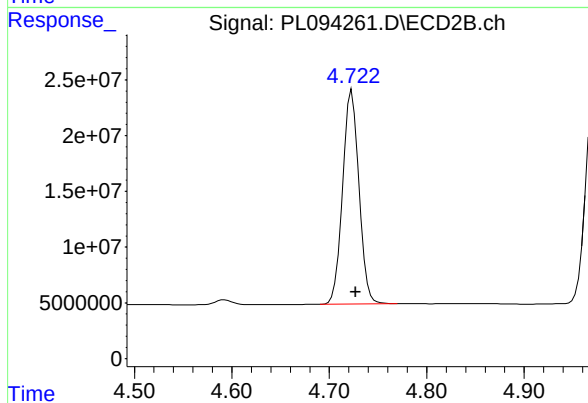
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 231131567
Conc: 48.65 ng/ml



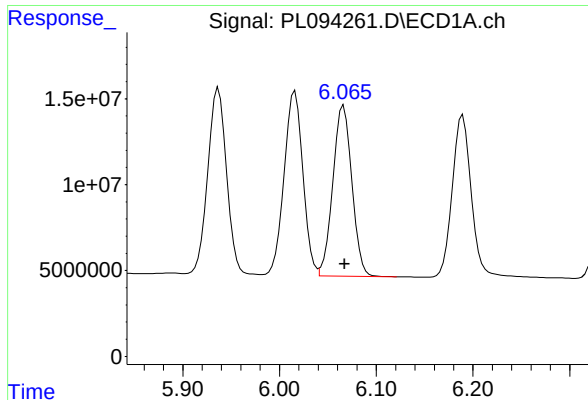
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 149835338
Conc: 50.38 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 223413083
Conc: 53.44 ng/ml



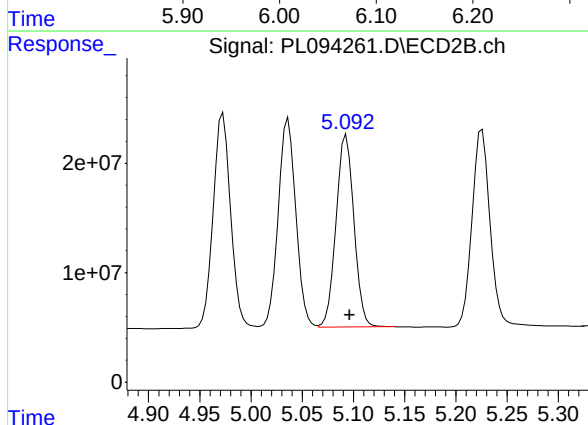
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.001 min
Response: 136083206
Conc: 51.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

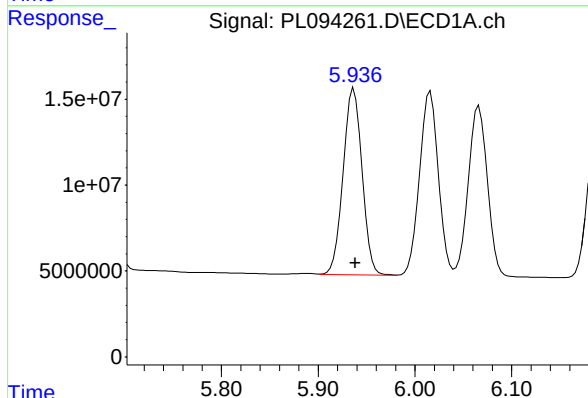
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 02/21/2025



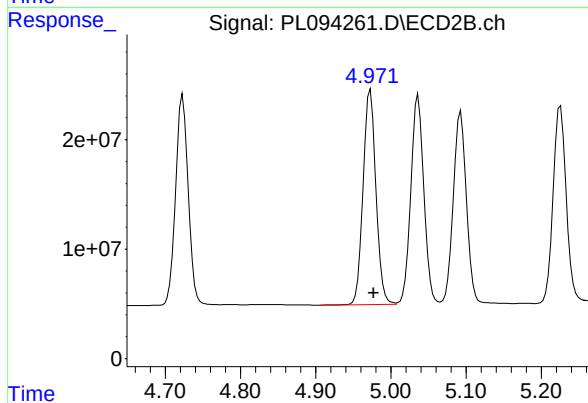
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 212829074
Conc: 54.90 ng/ml



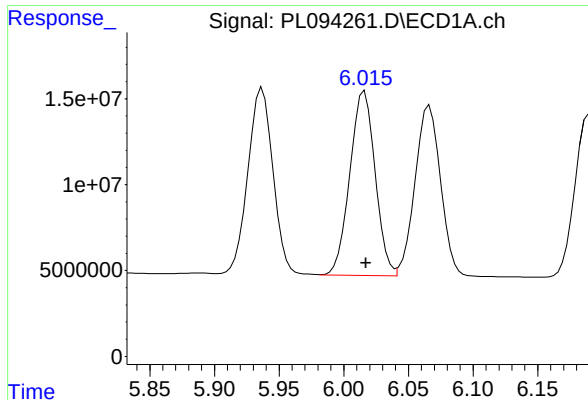
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 147098306
Conc: 52.77 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 233553091
Conc: 55.11 ng/ml



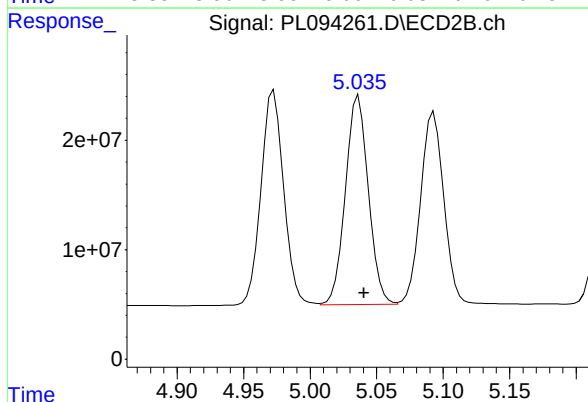
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.001 min
Response: 145820206
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

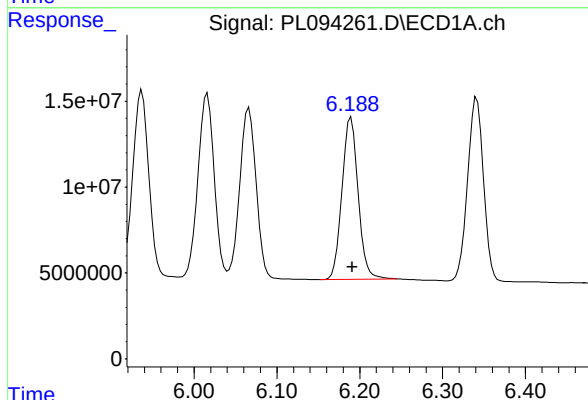
Manual Integrations
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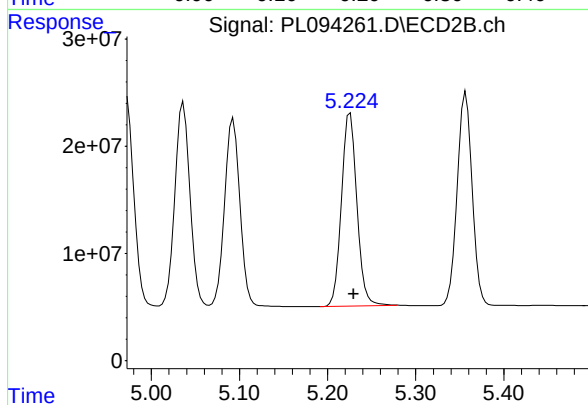
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 229490018
Conc: 54.82 ng/ml



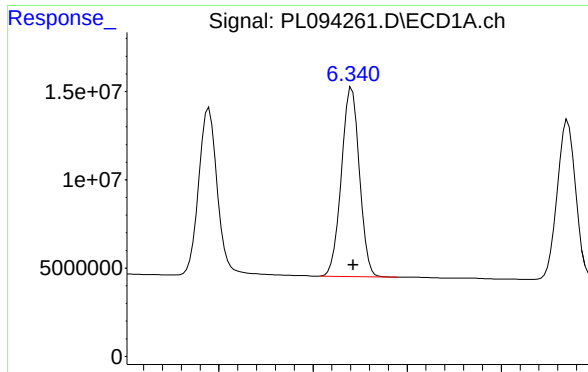
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 128200988
Conc: 52.66 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 219505530
Conc: 54.75 ng/ml



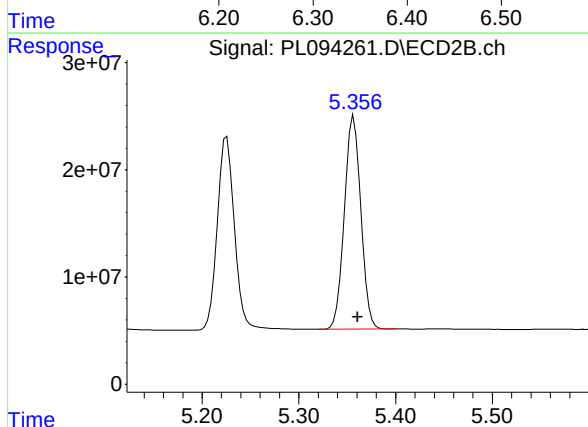
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 142509895
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

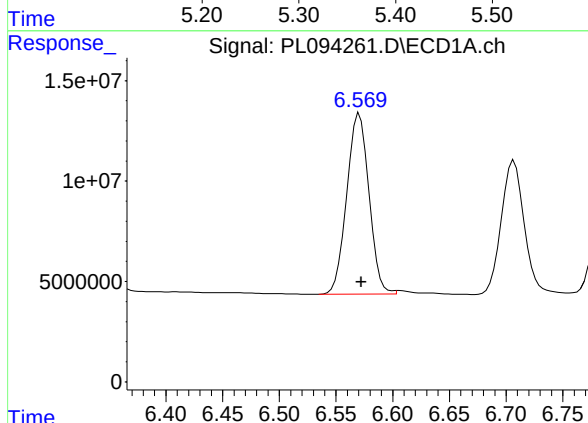
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



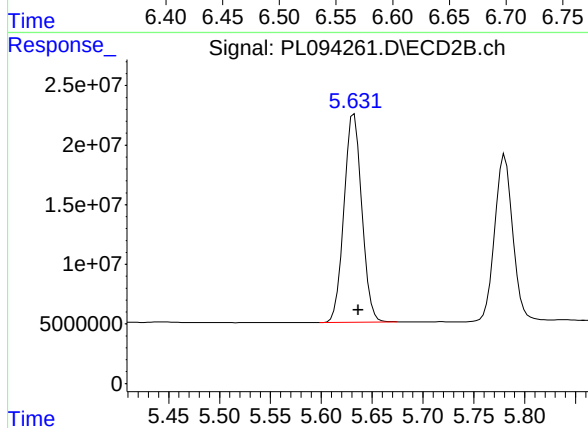
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 234477864
Conc: 54.59 ng/ml



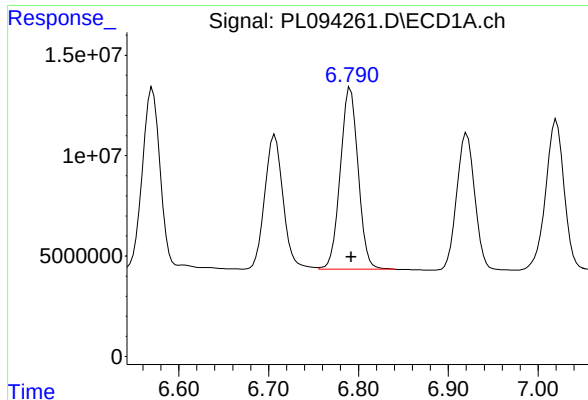
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 123200328
Conc: 52.54 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.006 min
Response: 212911196
Conc: 57.66 ng/ml



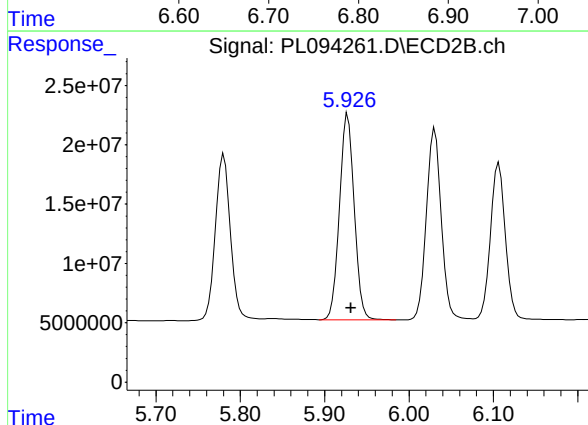
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.001 min
Response: 124704335
Conc: 51.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

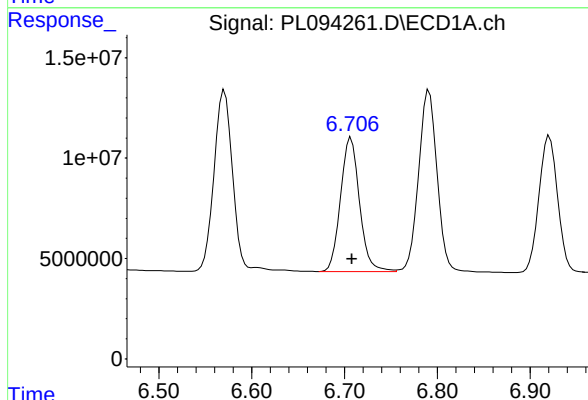
Manual Integrations
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Supervised By :Ankita Jodhani 02/21/2025



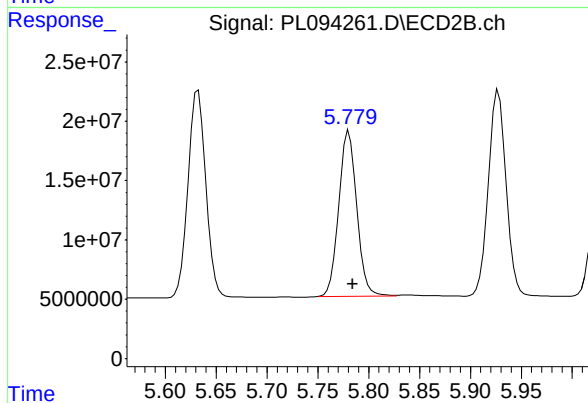
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 210796601
Conc: 56.91 ng/ml m



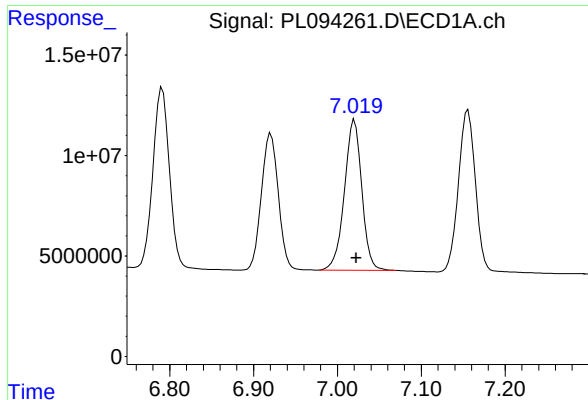
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 94978625
Conc: 49.97 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.004 min
Response: 171678634
Conc: 54.39 ng/ml



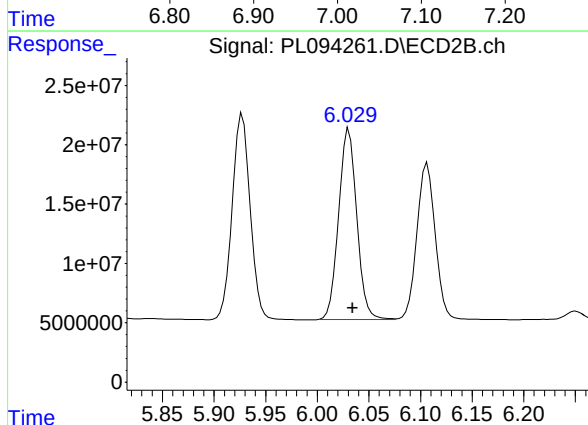
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 107905799
Conc: 54.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

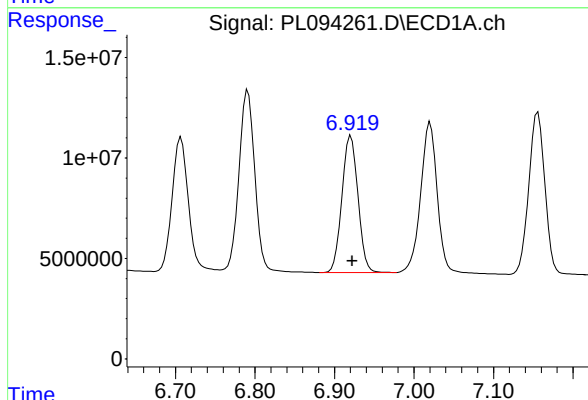
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



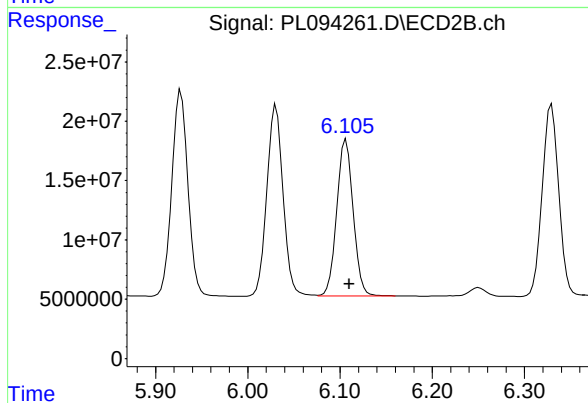
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.004 min
Response: 197005073
Conc: 60.54 ng/ml



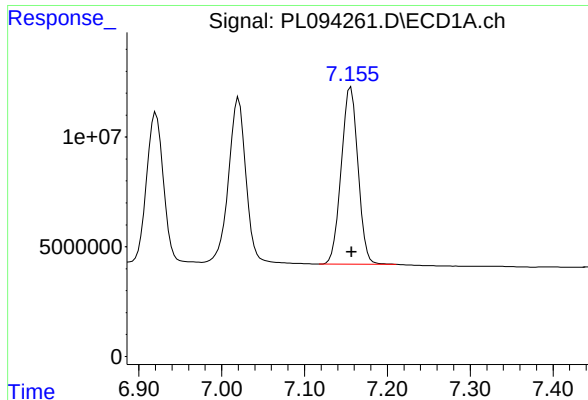
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95590321
Conc: 49.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.004 min
Response: 162483420
Conc: 53.37 ng/ml



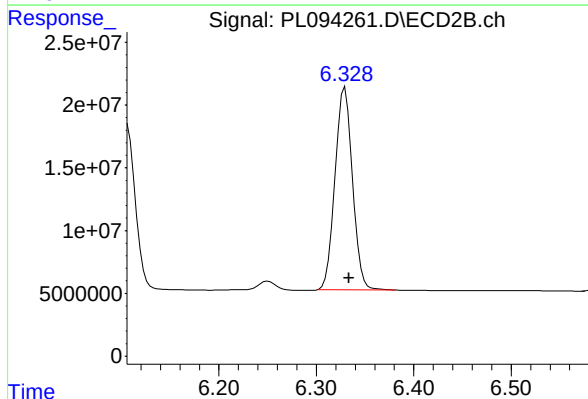
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.001 min
Response: 113585373
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

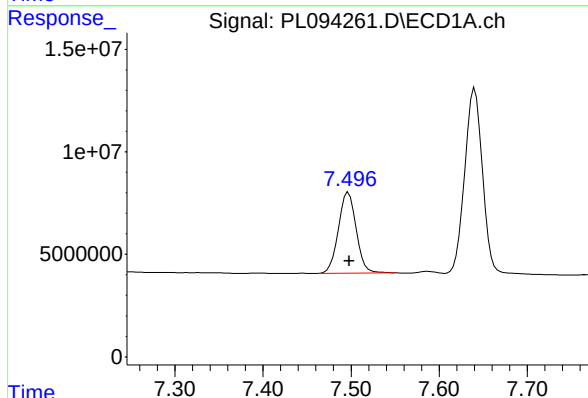
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



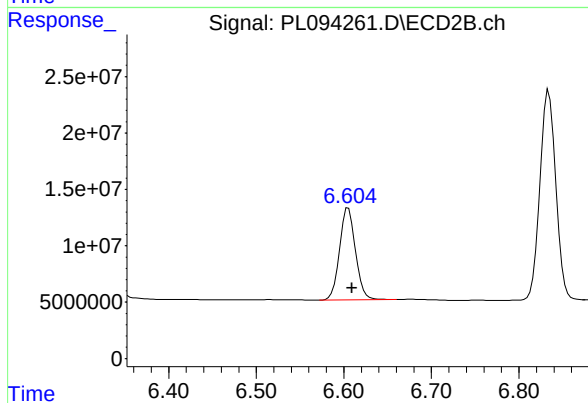
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 201375366
Conc: 56.47 ng/ml



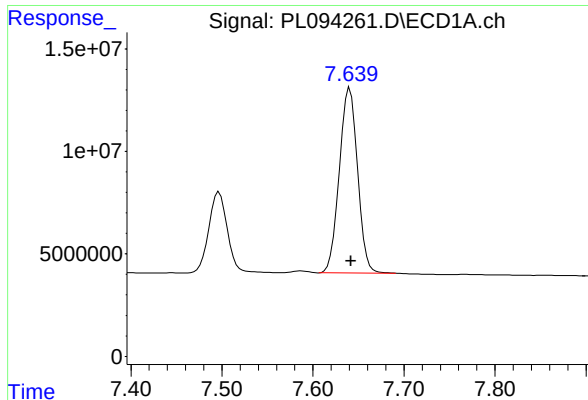
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55483784
Conc: 53.18 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 103270297
Conc: 57.75 ng/ml



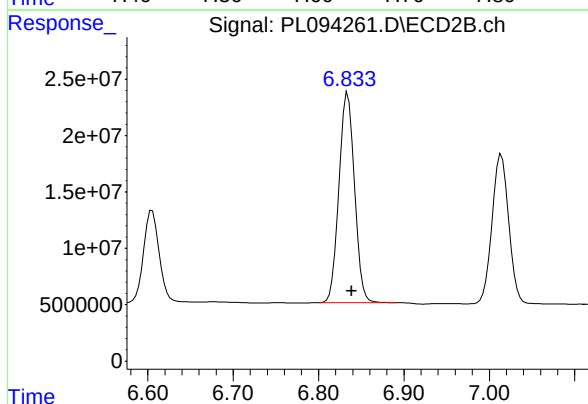
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 125754855
Conc: 49.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

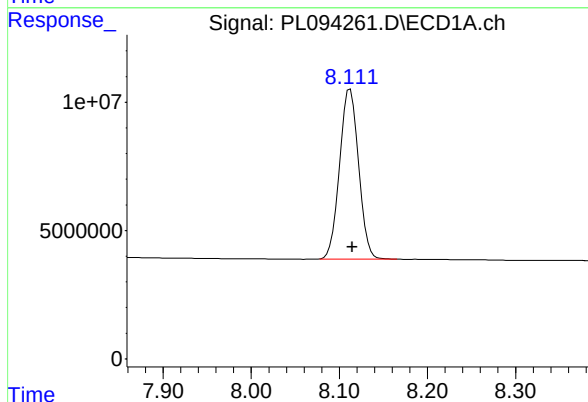
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



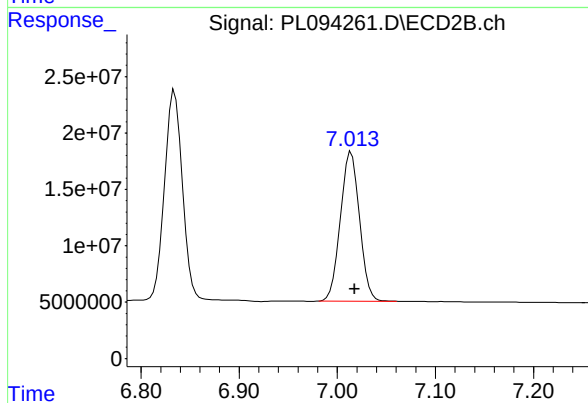
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 234918283
Conc: 56.00 ng/ml



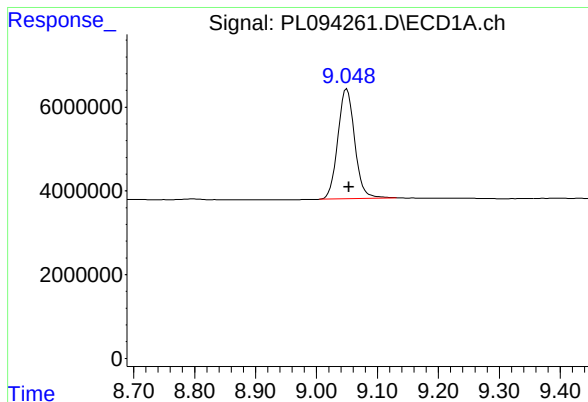
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 99610293
Conc: 47.83 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 179686231
Conc: 53.13 ng/ml



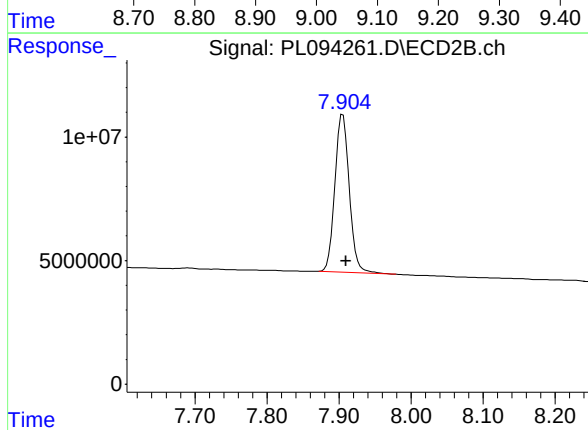
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50606872
Conc: 24.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 88208911
Conc: 25.17 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725MS	SDG No.:	Q1382
Lab Sample ID:	Q1382-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 Decanted:
Sample Wt/Vol:	30.09 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
PL094265.D	1	02/19/25 08:10	02/19/25 16:25	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.017		0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.017		0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.018		0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.017		0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.018		0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.018		0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.020		0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.018		0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.021		0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.020		0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.9		55 - 130		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		42 - 129		104%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	02/17/25	
Project:	Raymark Superfund Site		Date Received:	02/18/25	
Client Sample ID:	OU4-PCS-TC-01-021725MS		SDG No.:	Q1382	
Lab Sample ID:	Q1382-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.9	Decanted:
Sample Wt/Vol:	30.09	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
PL094265.D	1	02/19/25 08:10	02/19/25 16:25	PB166771

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\PL021925\
 Data File : PL094265.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:25
 Operator : AR\AJ
 Sample : Q1382-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.771	55186714	67851609	20.494m	20.787
2) SA Decachlor...	9.050	7.905	40173610	69855129	19.204	19.935
Target Compounds						
2) A alpha-BHC	3.992	3.273	167.2E6	226.6E6	43.621	46.341
3) MA gamma-BHC...	4.325	3.603	162.1E6	217.1E6	44.022	45.784
4) MA Heptachlor	4.913	3.941	157.3E6	229.2E6	48.003	49.245
5) MB Aldrin	5.255	4.220	151.1E6	219.0E6	46.185	48.009
6) B beta-BHC	4.524	3.903	73475546	95546942	45.713	47.835
7) B delta-BHC	4.770	4.132	159.0E6	218.8E6	45.354	46.044
8) B Heptachlo...	5.681	4.723	141.5E6	203.8E6	47.579	48.758
9) A Endosulfan I	6.066	5.092	123.6E6	195.1E6	46.767	50.324
10) B gamma-Chl...	5.937	4.973	139.9E6	222.5E6	50.198	52.503
11) B alpha-Chl...	6.016	5.036	134.3E6	214.1E6	48.151	51.136
12) B 4,4'-DDE	6.190	5.224	122.3E6	202.4E6	50.246	50.479m
13) MA Dieldrin	6.342	5.356	131.0E6	216.8E6	47.196	50.468
14) MA Endrin	6.570	5.631	115.8E6	202.6E6	49.398m	54.877m
15) B Endosulfa...	6.792	5.926	111.7E6	193.8E6	46.367	52.326m
16) A 4,4'-DDD	6.707	5.780	94344403	158.9E6	49.640	50.356
17) MA 4,4'-DDT	7.021	6.030	102.9E6	185.2E6	52.198	56.899
18) B Endrin al...	6.921	6.106	86876693	143.3E6	44.688	47.051
19) B Endosulfa...	7.156	6.329	106.6E6	183.0E6	47.084	51.323
20) A Methoxychlor	7.497	6.605	53625065	96875109	51.395	54.177
21) B Endrin ke...	7.640	6.835	118.3E6	210.3E6	46.876	50.118
22) Mirex	8.113	7.014	92956980	166.6E6	44.637	49.258

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:25
Operator : AR\AJ
Sample : Q1382-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

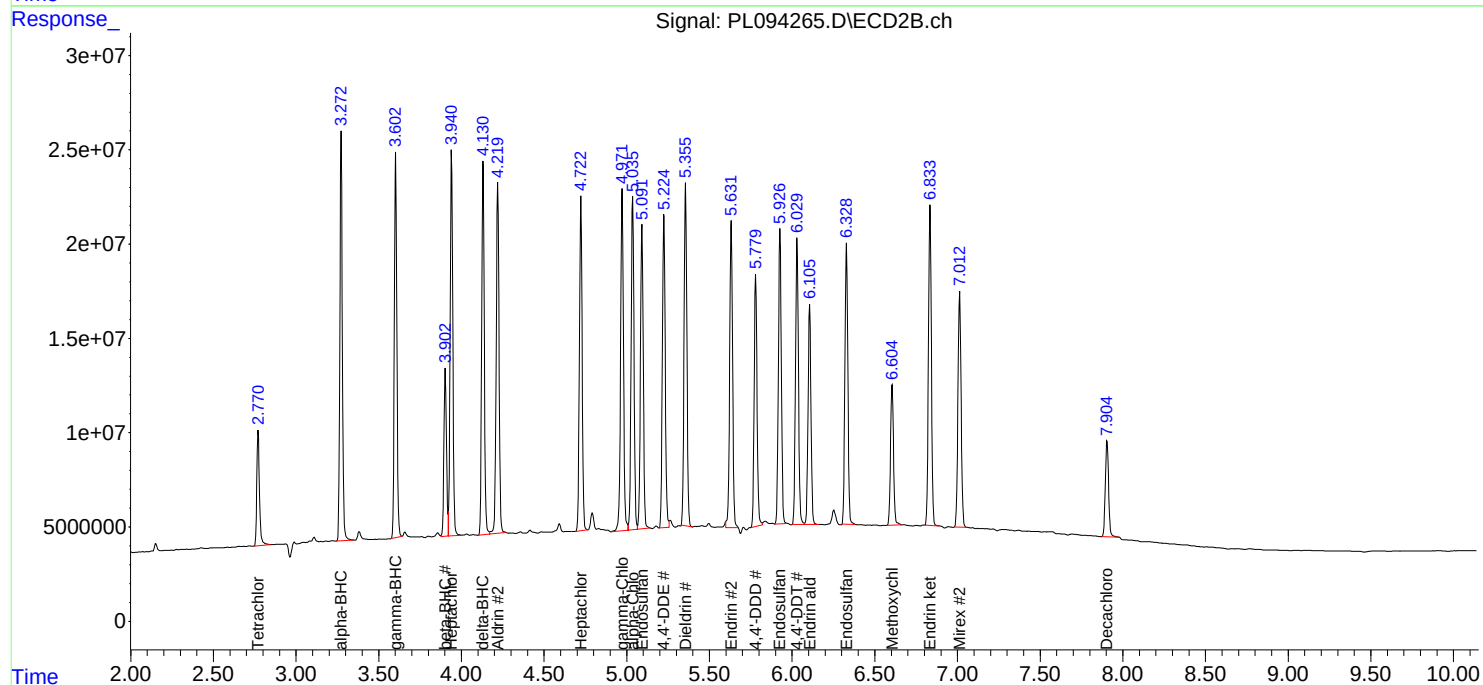
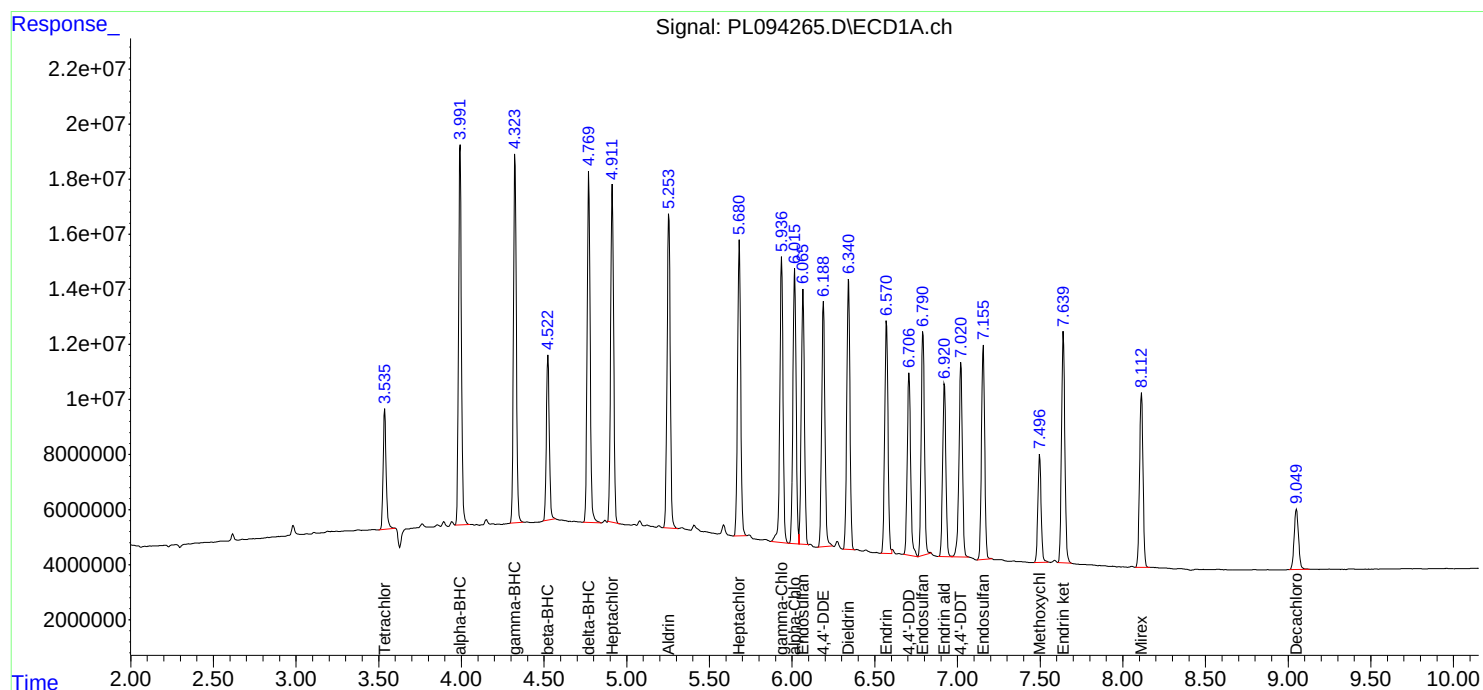
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

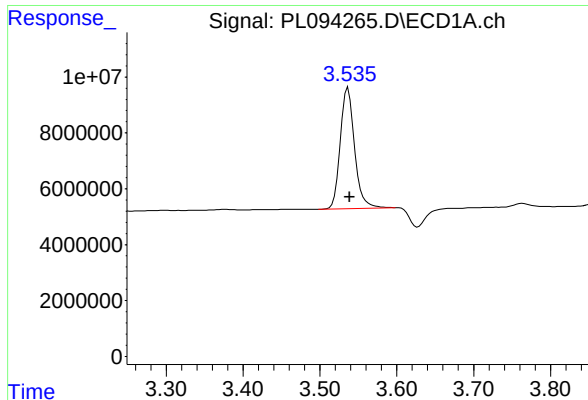
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





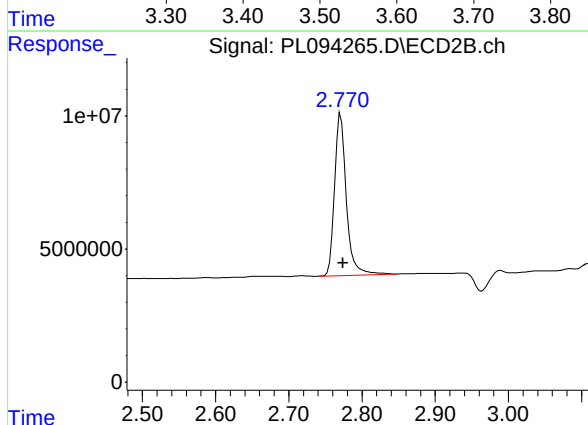
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 55186714
Conc: 20.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

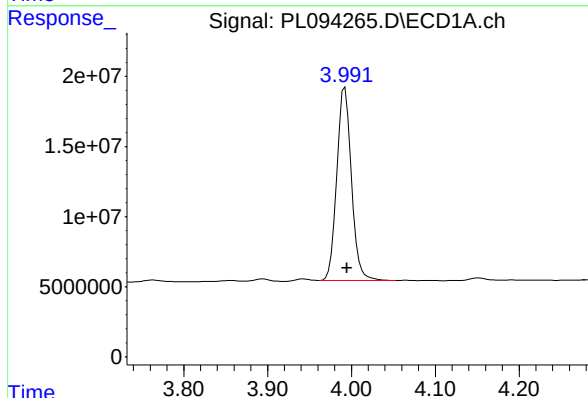
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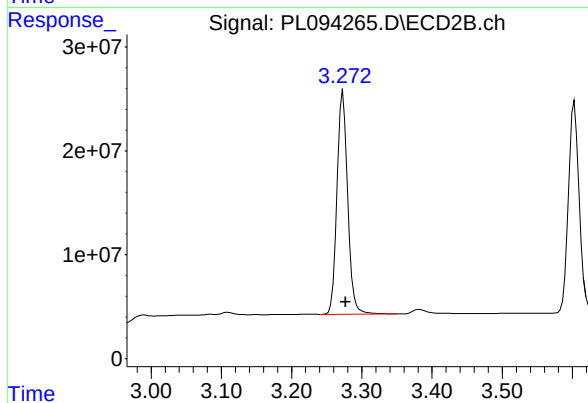
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 67851609
Conc: 20.79 ng/ml



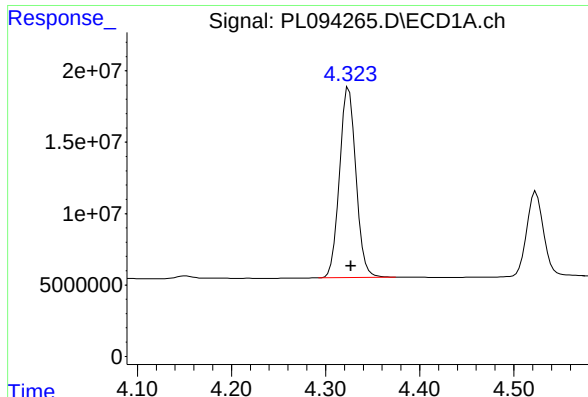
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 167237733
Conc: 43.62 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 226561583
Conc: 46.34 ng/ml



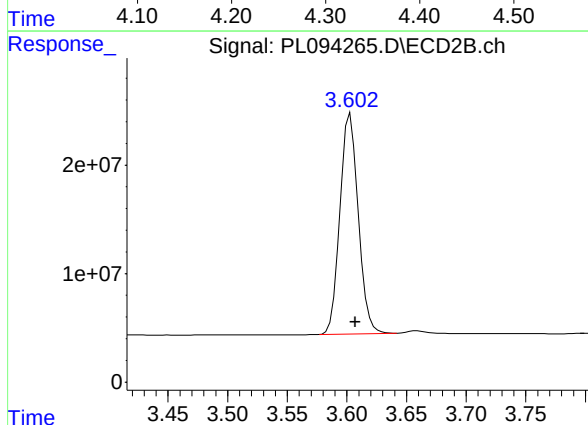
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 162125400
Conc: 44.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

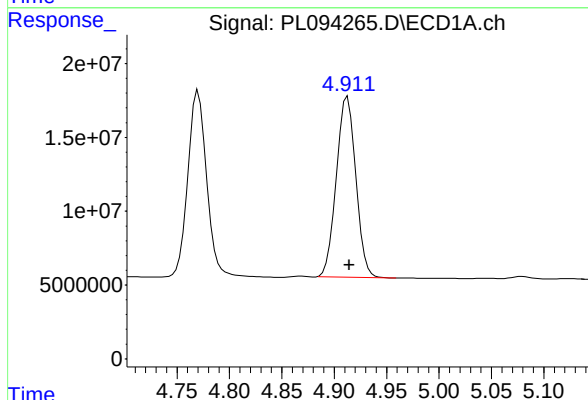
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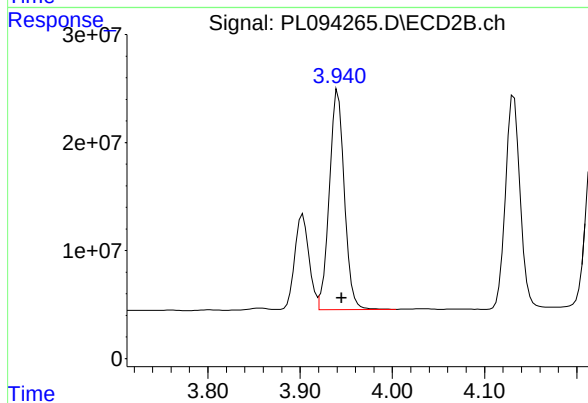
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 217073832
Conc: 45.78 ng/ml



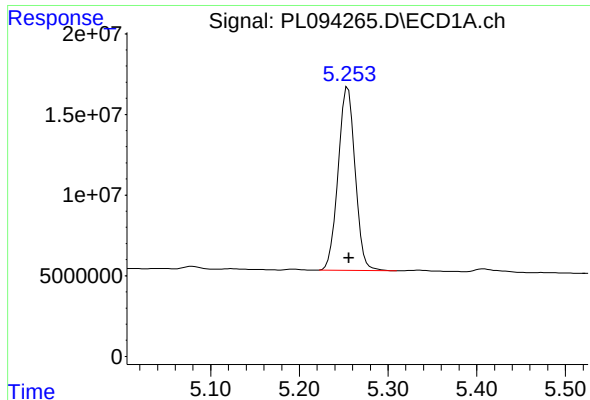
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 157321491
Conc: 48.00 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 229226081
Conc: 49.25 ng/ml



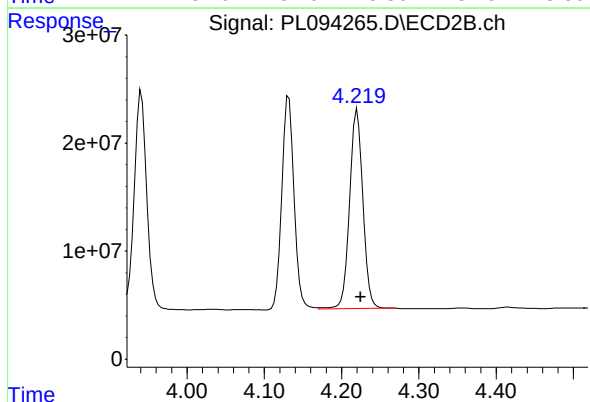
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 151116435
Conc: 46.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

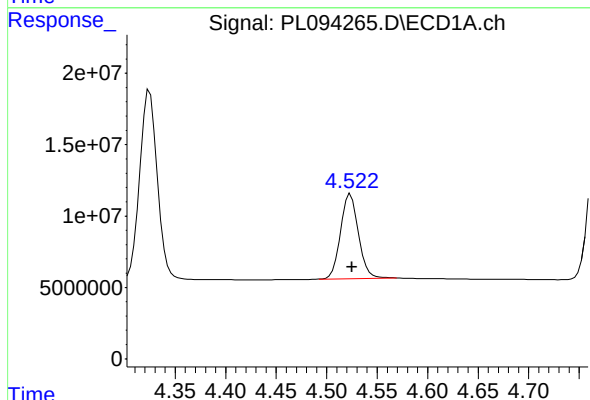
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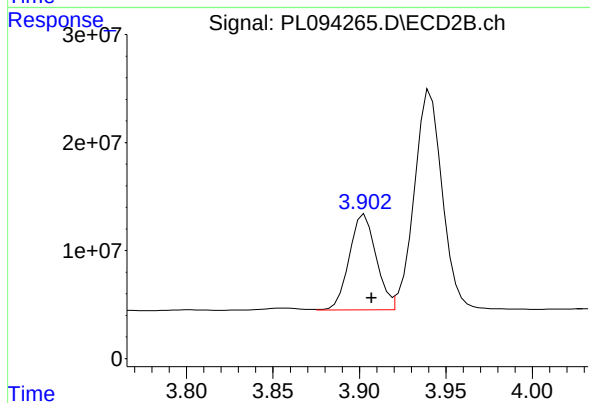
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 219008221
Conc: 48.01 ng/ml



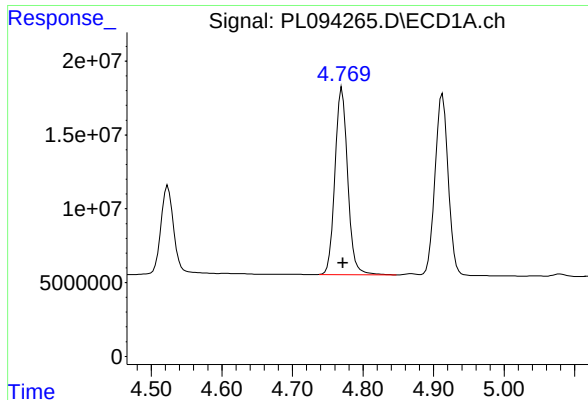
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 73475546
Conc: 45.71 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.004 min
Response: 95546942
Conc: 47.83 ng/ml



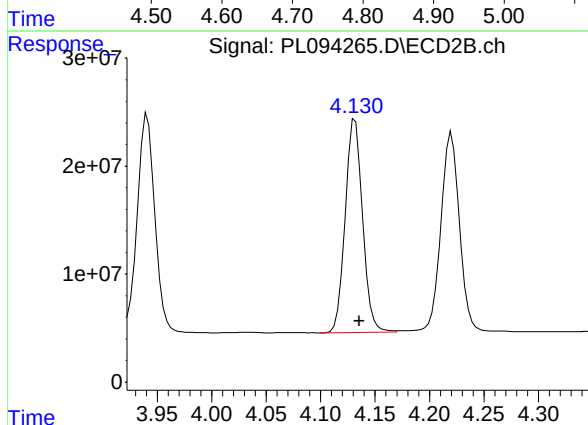
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.001 min
Response: 158977188
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

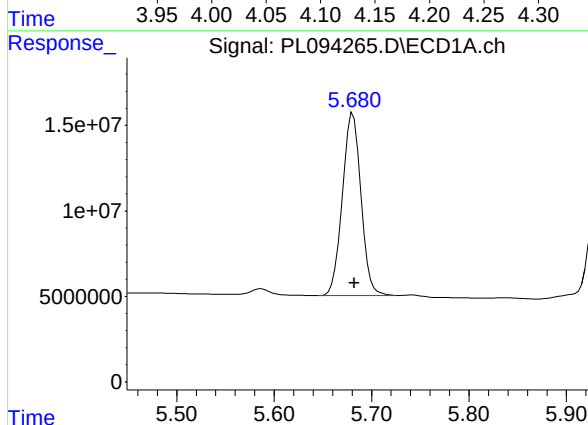
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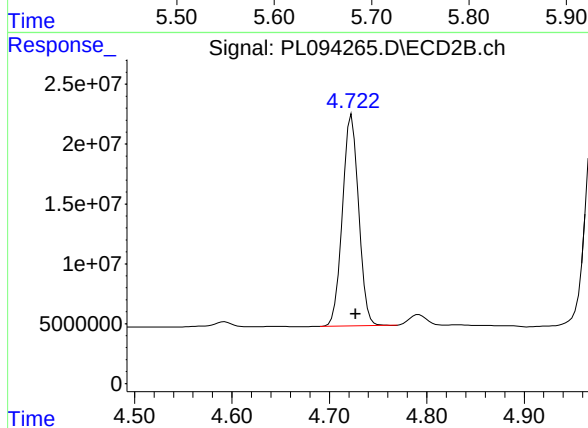
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 218764192
Conc: 46.04 ng/ml



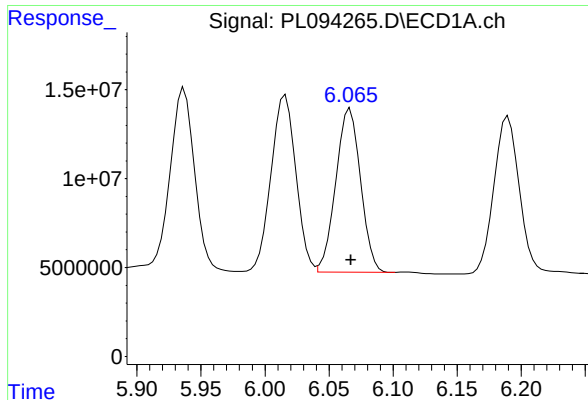
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 141491744
Conc: 47.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 203819721
Conc: 48.76 ng/ml



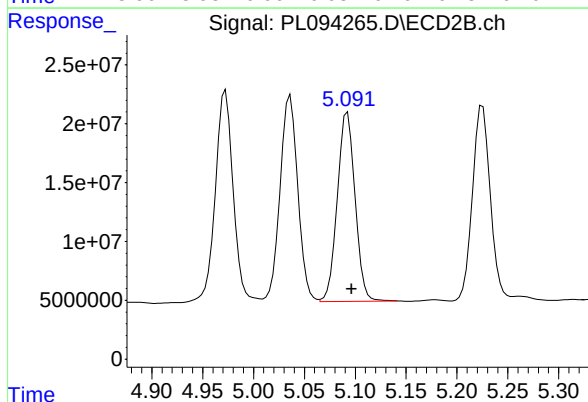
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 123599566
Conc: 46.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

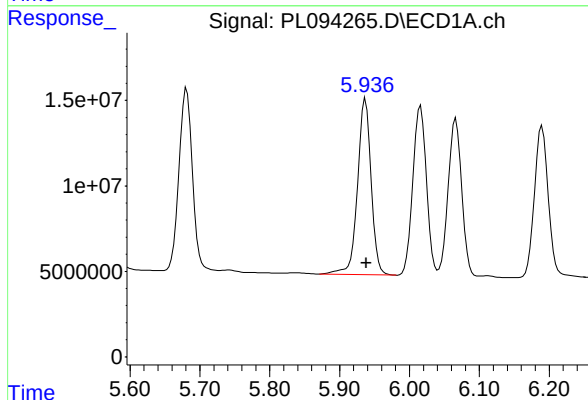
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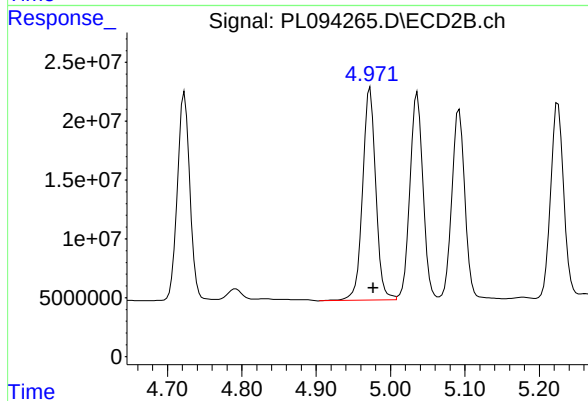
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 195100792
Conc: 50.32 ng/ml



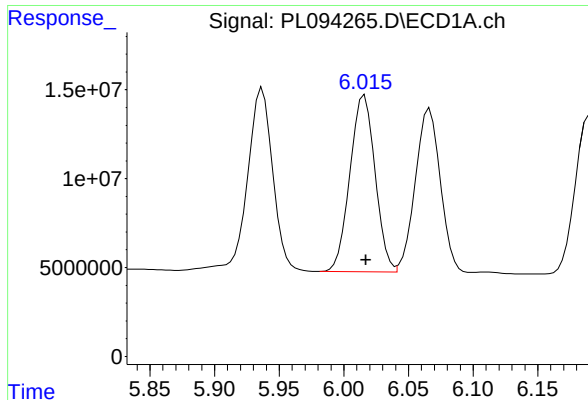
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 139921490
Conc: 50.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.005 min
Response: 222486929
Conc: 52.50 ng/ml



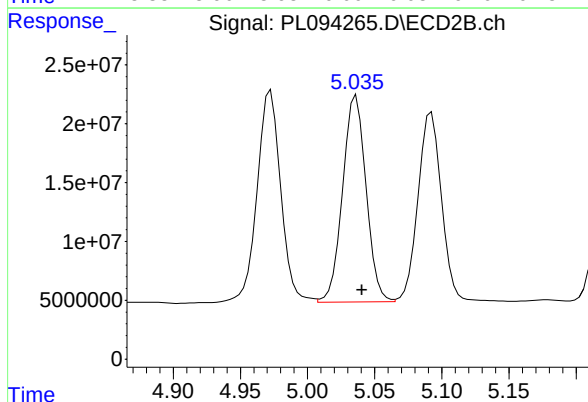
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.001 min
Response: 134264079
Conc: 48.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

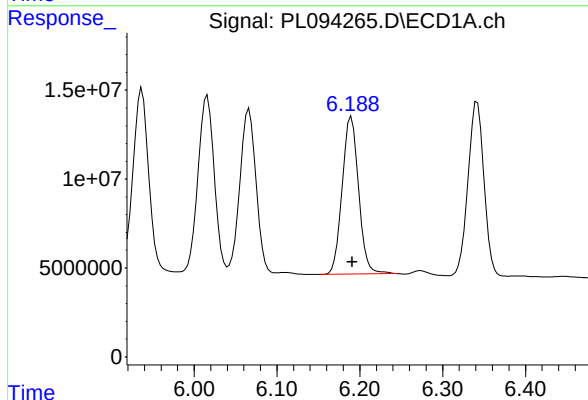
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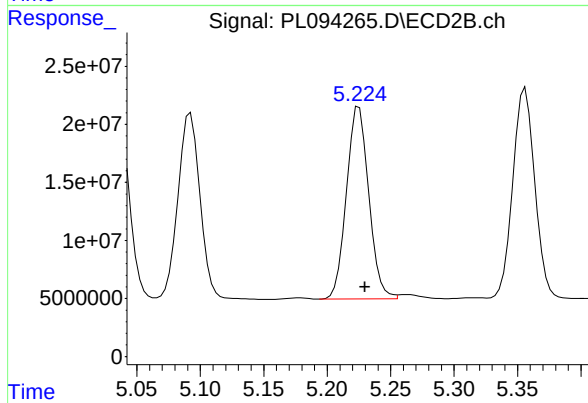
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 214084885
Conc: 51.14 ng/ml



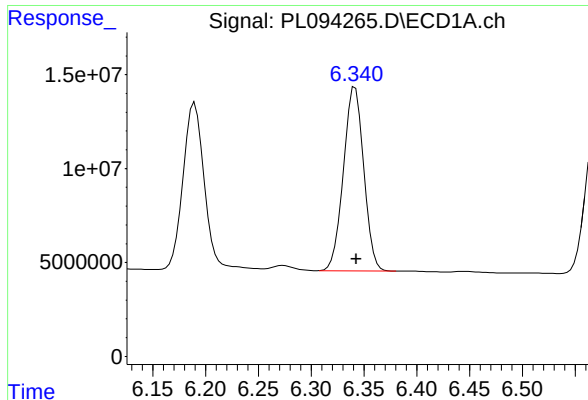
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 122328361
Conc: 50.25 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.006 min
Response: 202392140
Conc: 50.48 ng/ml m



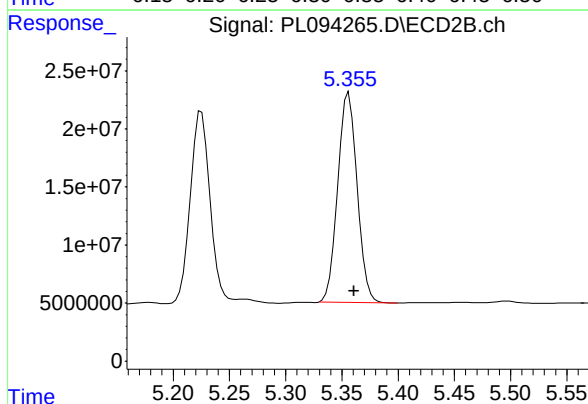
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 131008350
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

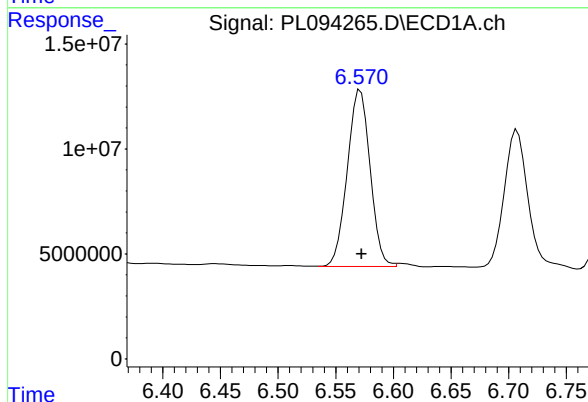
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Supervised By :Ankita Jodhani 02/20/2025



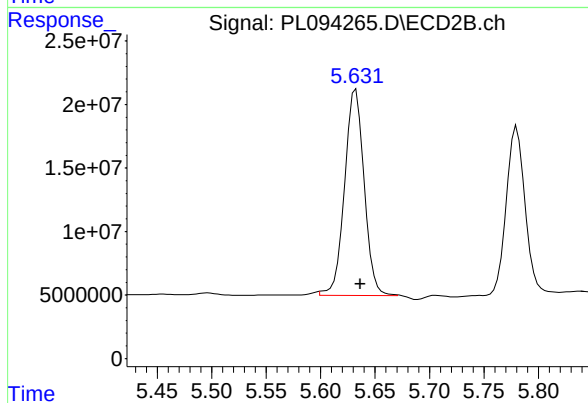
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 216794067
Conc: 50.47 ng/ml



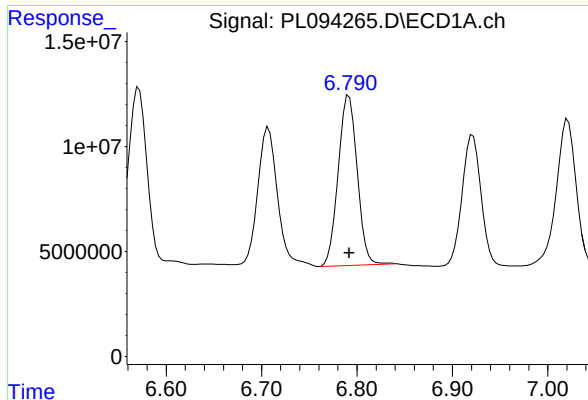
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 115829761
Conc: 49.40 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.005 min
Response: 202642086
Conc: 54.88 ng/ml m



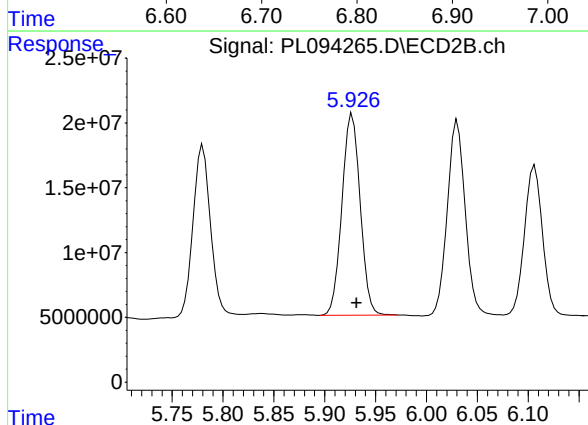
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 111713703
Conc: 46.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

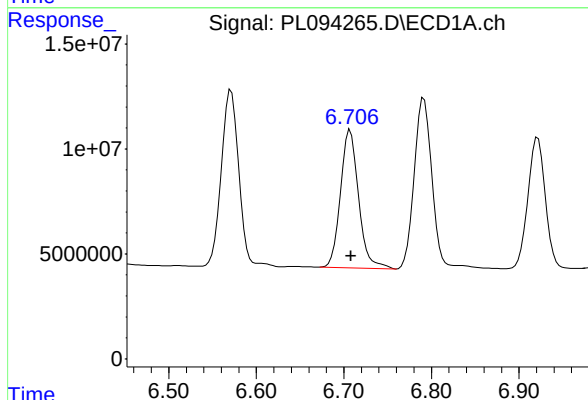
Manual Integrations
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Supervised By :Ankita Jodhani 02/20/2025



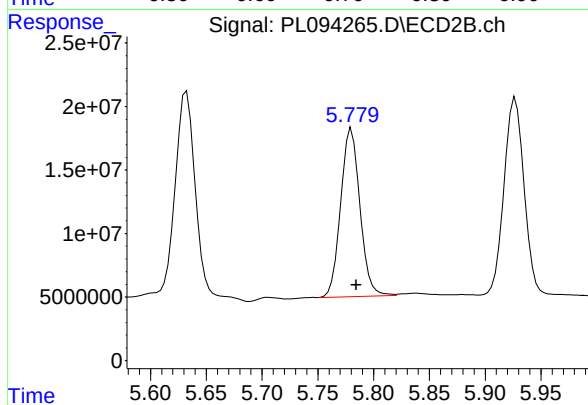
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.006 min
Response: 193807738
Conc: 52.33 ng/ml m



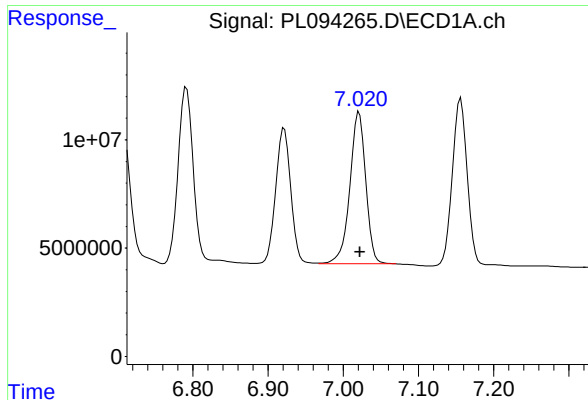
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 94344403
Conc: 49.64 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 158949073
Conc: 50.36 ng/ml



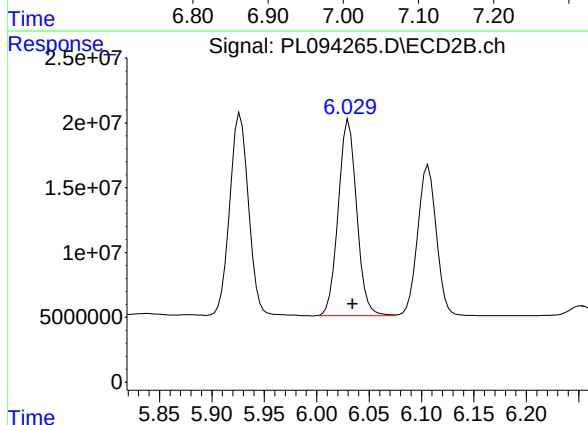
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 102937585
Conc: 52.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

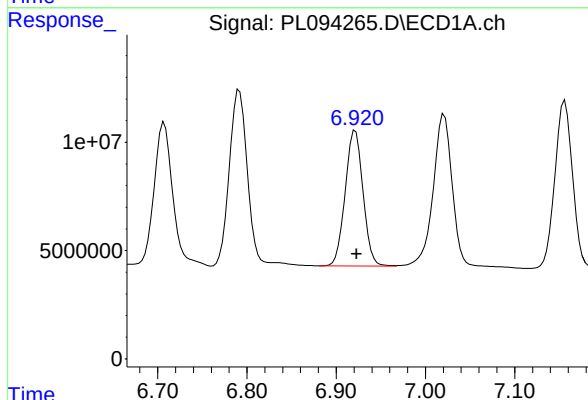
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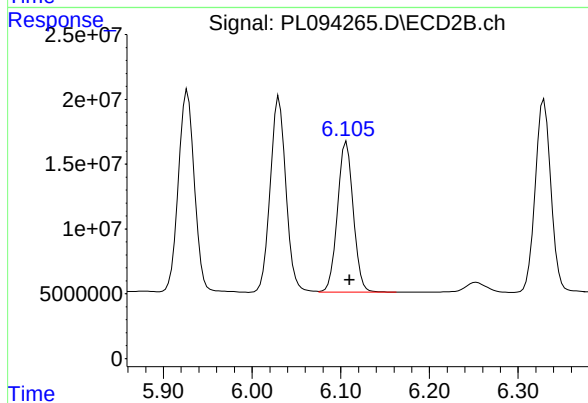
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 185152467
Conc: 56.90 ng/ml



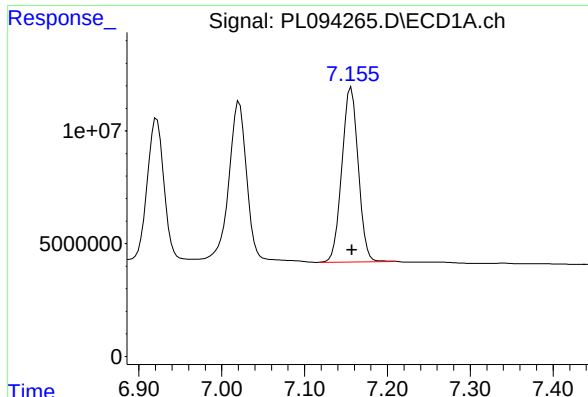
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 86876693
Conc: 44.69 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 143253418
Conc: 47.05 ng/ml



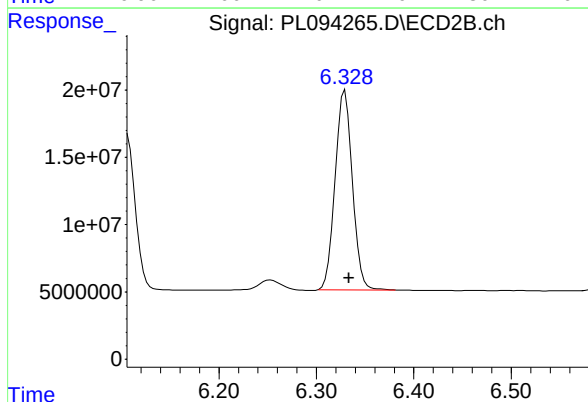
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 106585093
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

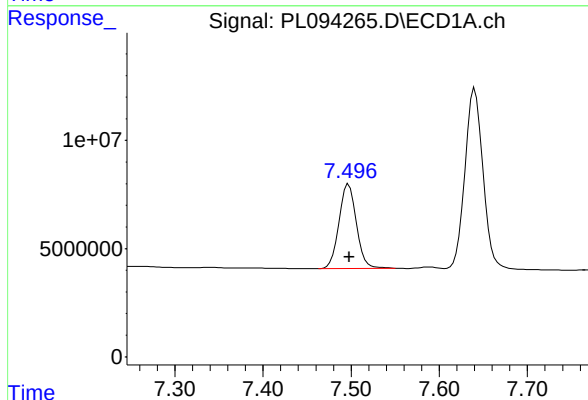
Manual Integrations
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Supervised By :Ankita Jodhani 02/20/2025



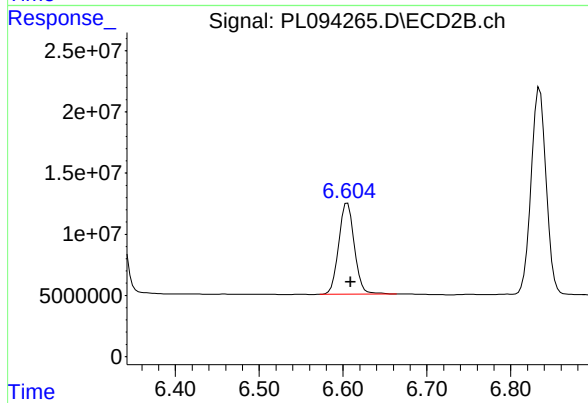
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 183020368
Conc: 51.32 ng/ml



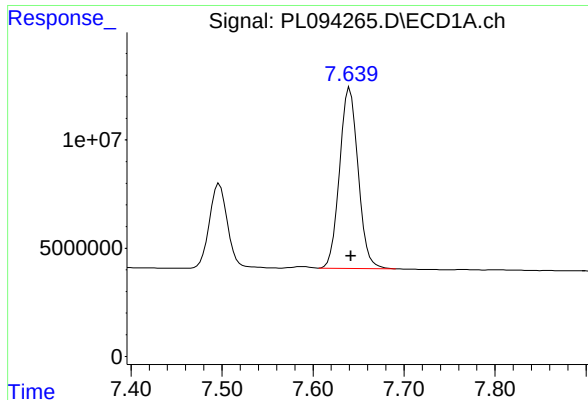
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 53625065
Conc: 51.39 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 96875109
Conc: 54.18 ng/ml



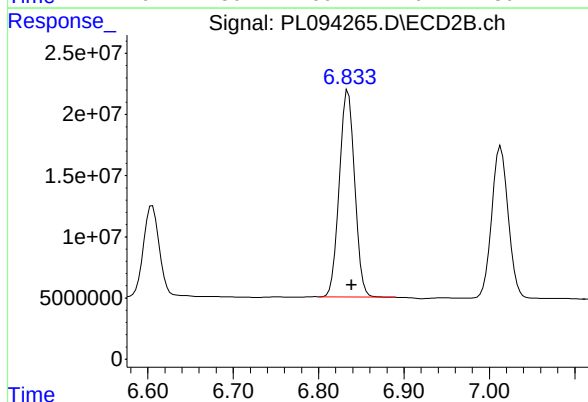
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 118251548
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

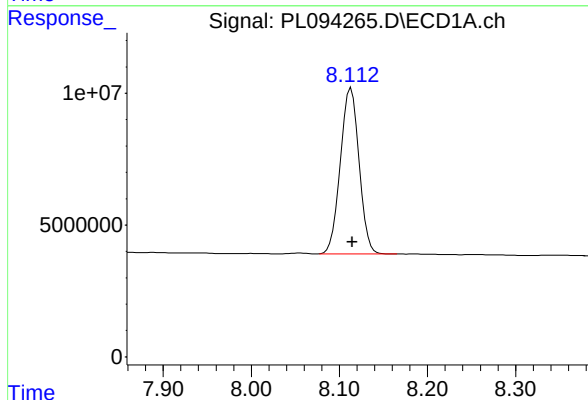
Manual Integrations
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Supervised By :Ankita Jodhani 02/20/2025



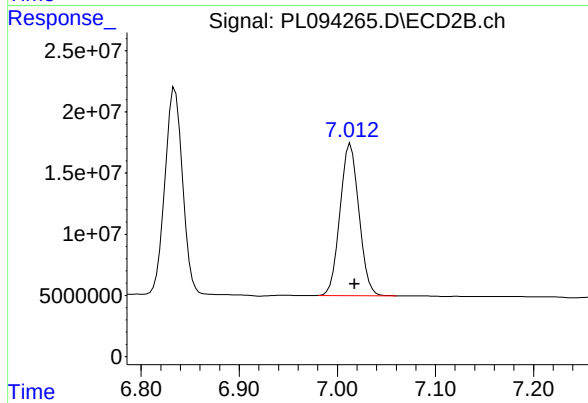
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 210258906
Conc: 50.12 ng/ml



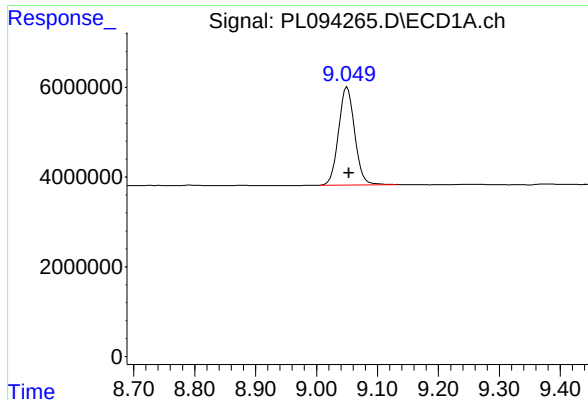
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.001 min
Response: 92956980
Conc: 44.64 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 166583527
Conc: 49.26 ng/ml



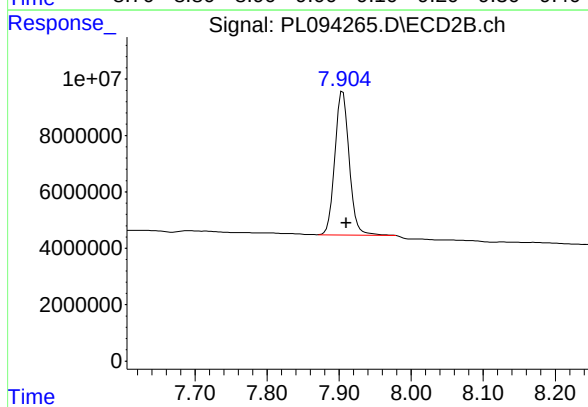
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 40173610
Conc: 19.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

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Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 69855129
Conc: 19.94 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725MSD	SDG No.:	Q1382
Lab Sample ID:	Q1382-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094266.D	1	02/19/25 08:10	02/19/25 16:39	PB166771

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.017		0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.017		0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.016		0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.018		0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.017		0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.017		0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.018		0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.018		0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.020		0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.018		0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.020		0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.019		0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.017		0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.6		55 - 130		98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		42 - 129		104%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-01-021725MSD	SDG No.:	Q1382
Lab Sample ID:	Q1382-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094266.D	1	02/19/25 08:10	02/19/25 16:39	PB166771

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\PL021925\
 Data File : PL094266.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:39
 Operator : AR\AJ
 Sample : Q1382-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.772	54270209	67579309	20.154m	20.703
28) SA Decachlor...	9.051	7.906	38394438	68693428	18.354	19.604
Target Compounds						
2) A alpha-BHC	3.993	3.274	165.7E6	222.9E6	43.213	45.598
3) MA gamma-BHC...	4.325	3.604	160.5E6	214.0E6	43.592	45.141
4) MA Heptachlor	4.911	3.942	157.3E6	225.4E6	48.010m	48.432
5) MB Aldrin	5.254	4.221	149.5E6	215.3E6	45.704	47.196
6) B beta-BHC	4.524	3.904	72853601	94239368	45.326	47.180
7) B delta-BHC	4.771	4.133	158.8E6	216.4E6	45.290	45.537
8) B Heptachlo...	5.681	4.724	139.1E6	200.5E6	46.784	47.973
9) A Endosulfan I	6.067	5.093	123.2E6	191.9E6	46.620	49.487
10) B gamma-Chl...	5.937	4.973	138.7E6	219.4E6	49.764	51.770
11) B alpha-Chl...	6.015	5.037	133.1E6	210.2E6	47.738	50.197
12) B 4,4'-DDE	6.190	5.226	121.5E6	199.3E6	49.921	49.712
13) MA Dieldrin	6.341	5.357	130.3E6	214.5E6	46.931	49.927
14) MA Endrin	6.570	5.631	114.1E6	202.5E6	48.642m	54.838m
15) B Endosulfa...	6.792	5.926	110.9E6	191.5E6	46.042	51.710m
16) A 4,4'-DDD	6.707	5.781	94547778	156.7E6	49.747	49.651
17) MA 4,4'-DDT	7.021	6.030	101.3E6	183.0E6	51.347	56.224
18) B Endrin al...	6.921	6.107	87216646	144.3E6	44.863	47.391
19) B Endosulfa...	7.156	6.330	106.1E6	179.6E6	46.881	50.377
20) A Methoxychlor	7.497	6.606	53796982	95500192	51.559	53.408
21) B Endrin ke...	7.641	6.835	117.9E6	208.4E6	46.719	49.675
22) Mirex	8.113	7.014	92349398	168.7E6	44.346	49.892

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:39
Operator : AR\AJ
Sample : Q1382-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

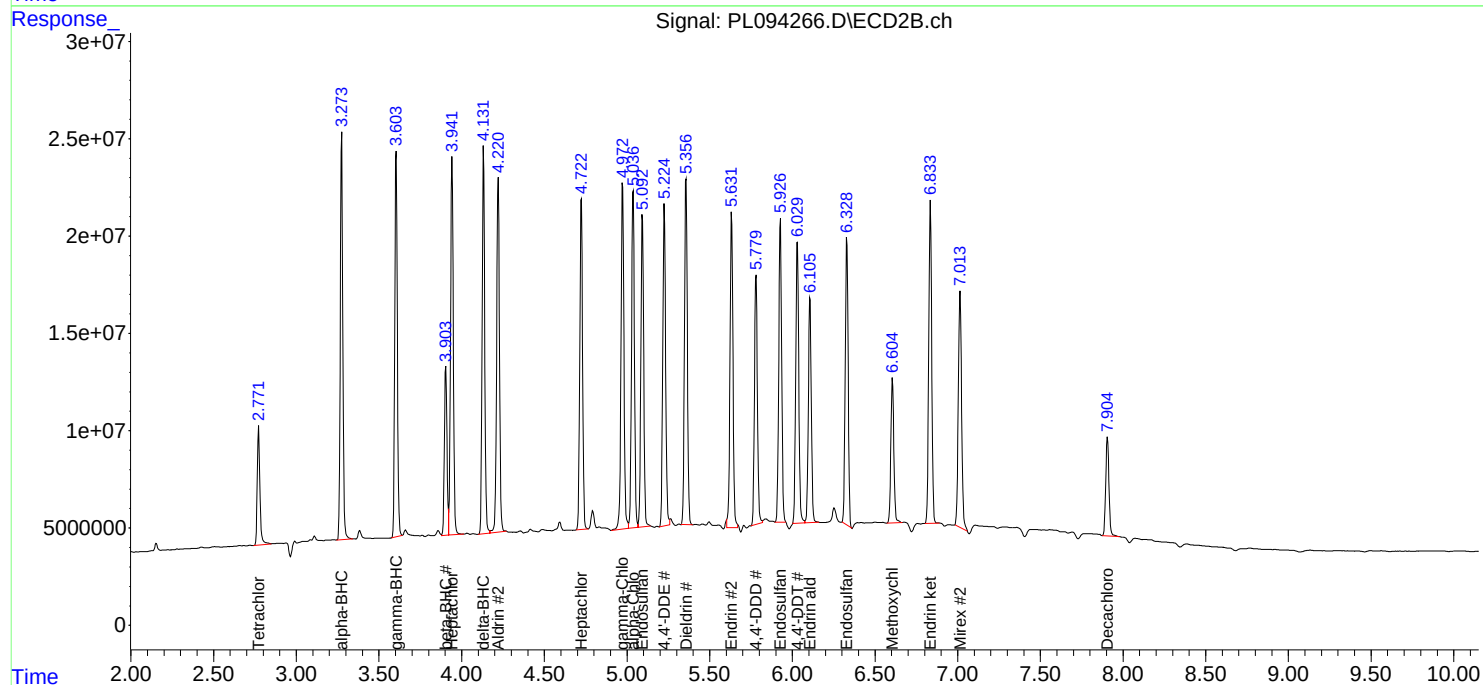
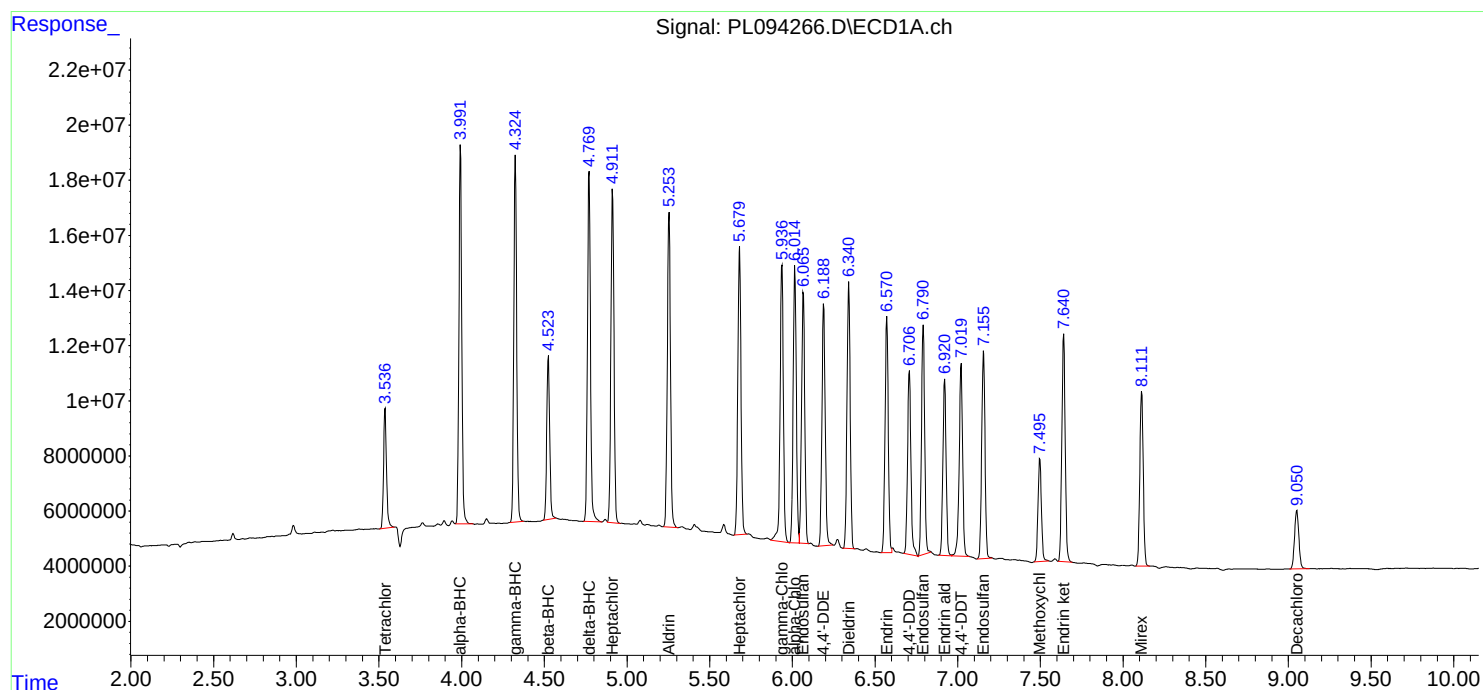
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

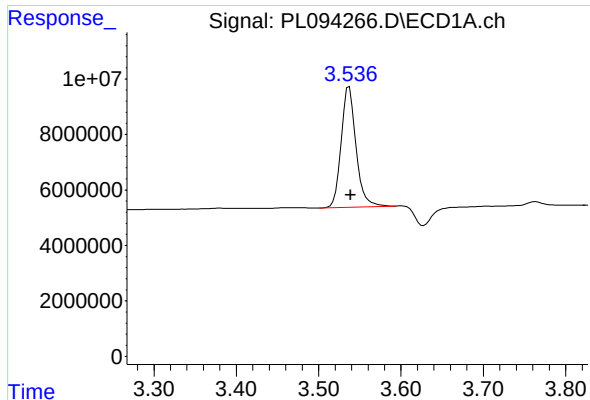
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





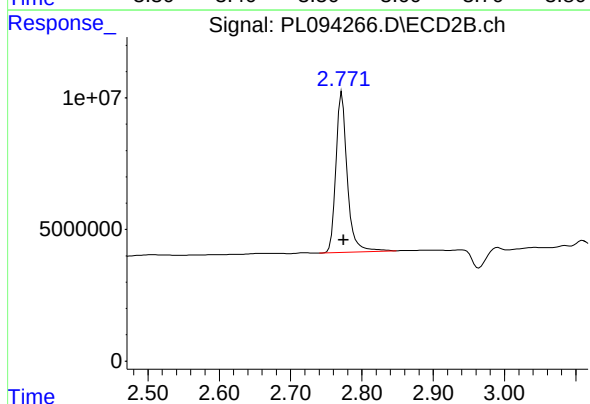
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 54270209
Conc: 20.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

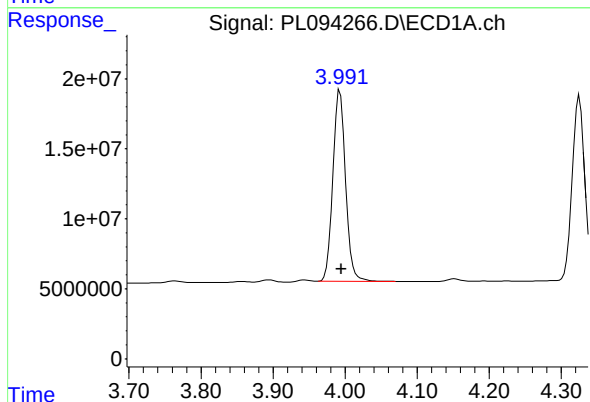
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



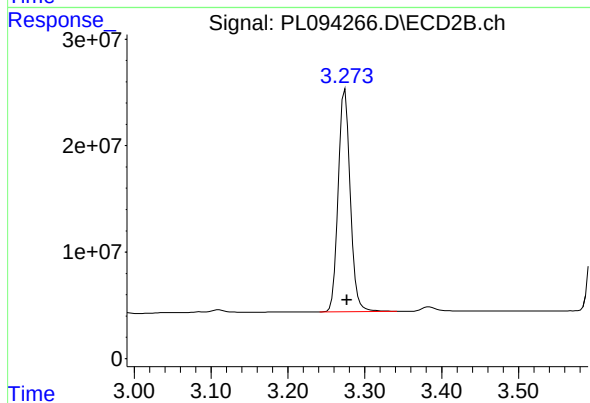
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 67579309
Conc: 20.70 ng/ml



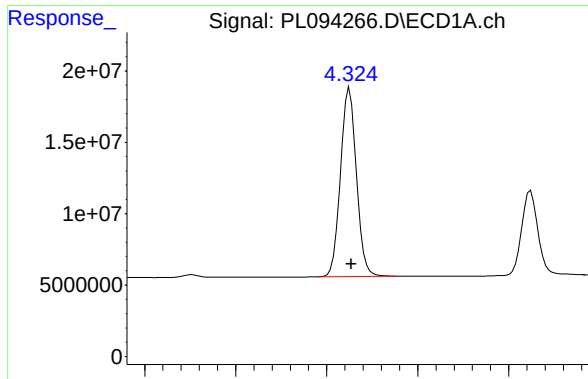
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 165673374
Conc: 43.21 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 222929719
Conc: 45.60 ng/ml



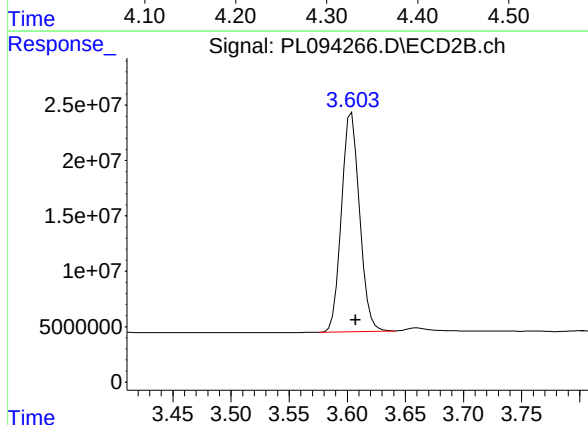
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 160543329
Conc: 43.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

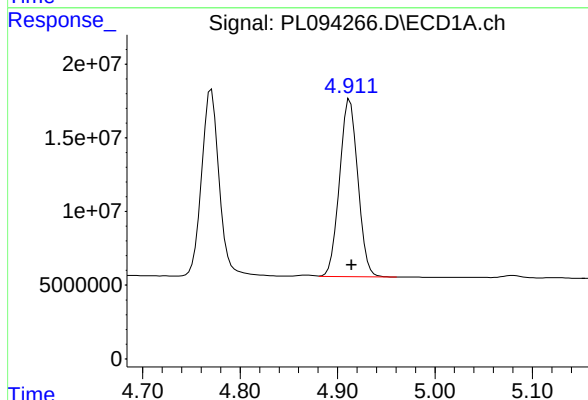
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



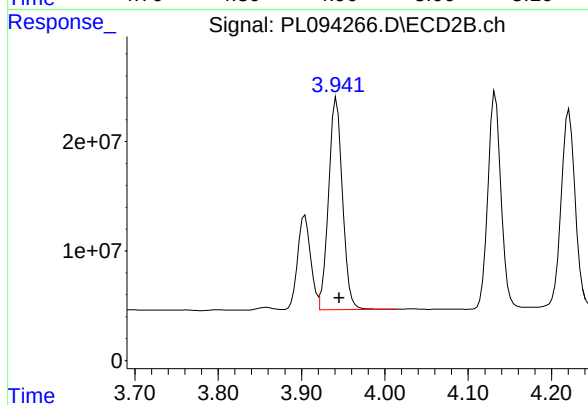
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 214024463
Conc: 45.14 ng/ml



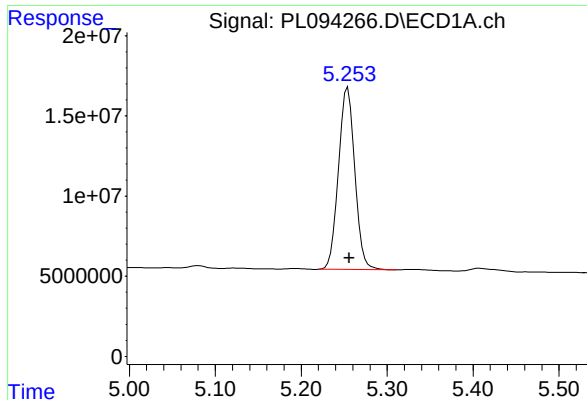
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 157344332
Conc: 48.01 ng/ml m



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: -0.003 min
Response: 225439285
Conc: 48.43 ng/ml



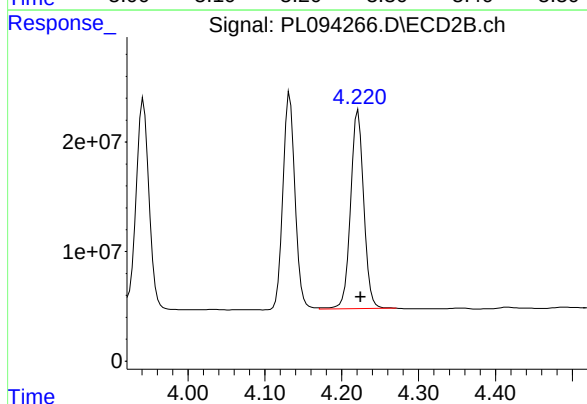
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.001 min
Response: 149542624
Conc: 45.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

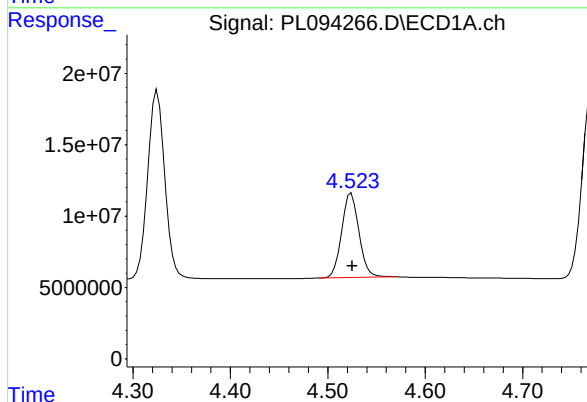
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



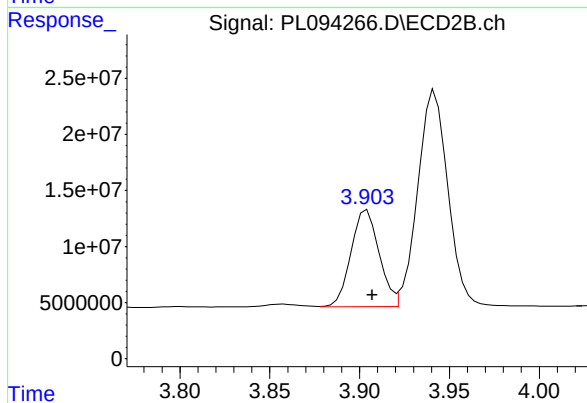
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.003 min
Response: 215297802
Conc: 47.20 ng/ml



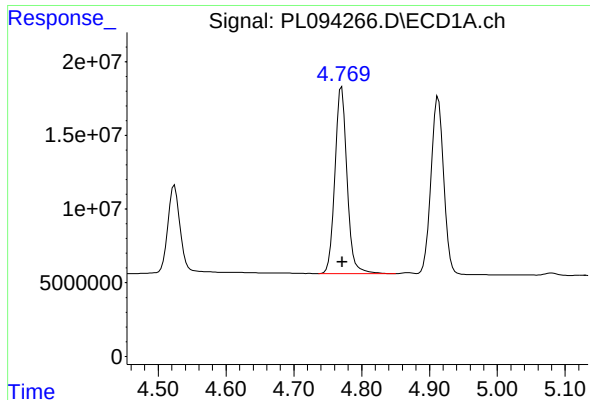
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 72853601
Conc: 45.33 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 94239368
Conc: 47.18 ng/ml



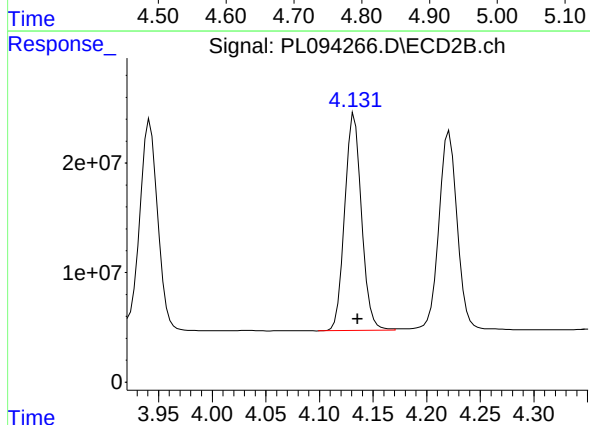
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 158753471
Conc: 45.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

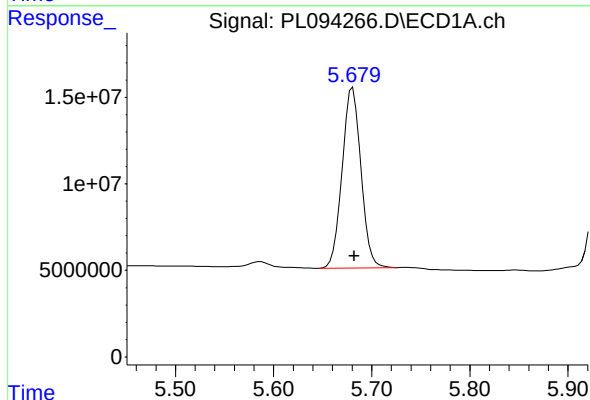
Manual Integrations
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Supervised By :Ankita Jodhani 02/20/2025



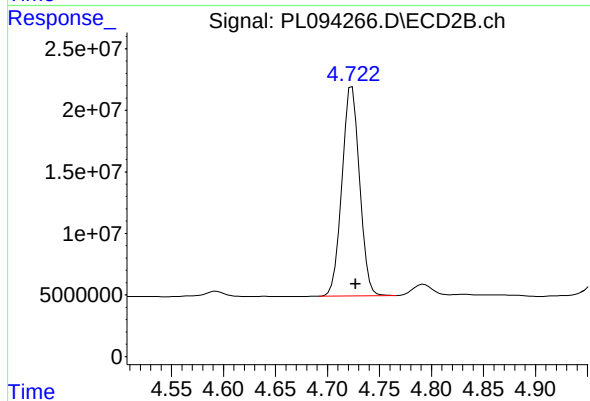
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 216357449
Conc: 45.54 ng/ml



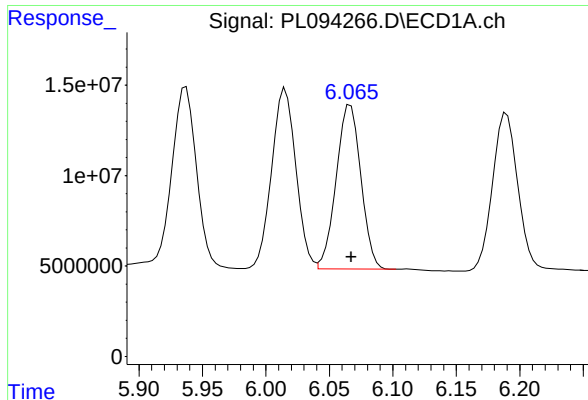
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 139128244
Conc: 46.78 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: -0.003 min
Response: 200538971
Conc: 47.97 ng/ml



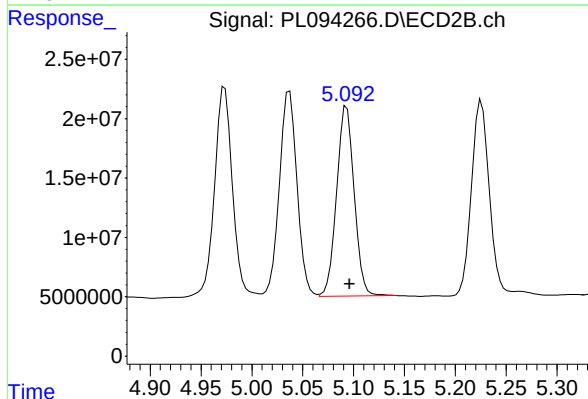
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 123211168
Conc: 46.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

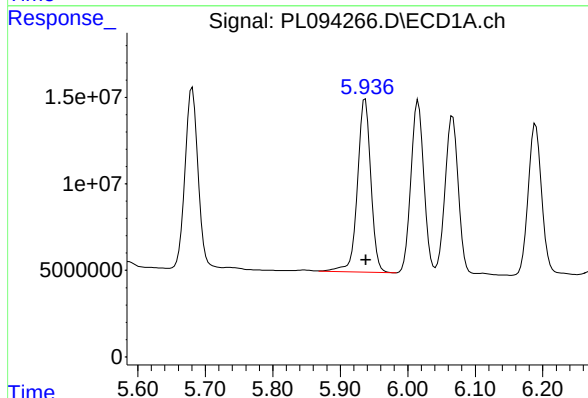
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



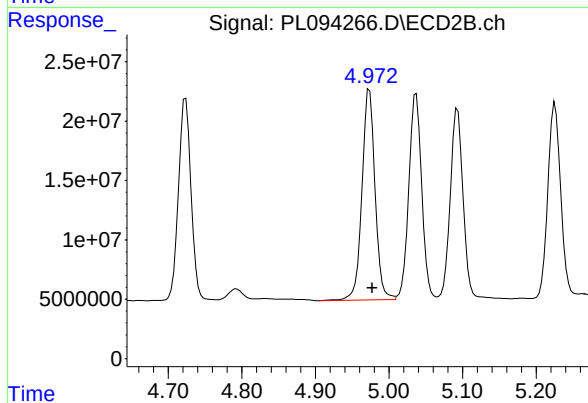
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 191857319
Conc: 49.49 ng/ml



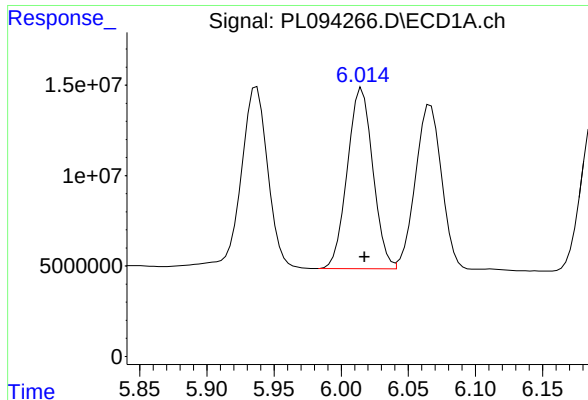
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 138710185
Conc: 49.76 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 219380858
Conc: 51.77 ng/ml



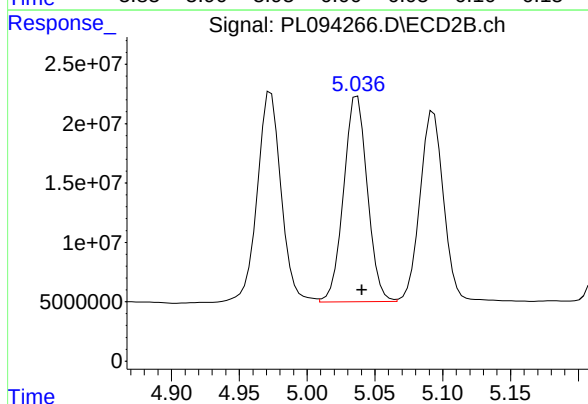
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 133112554
Conc: 47.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

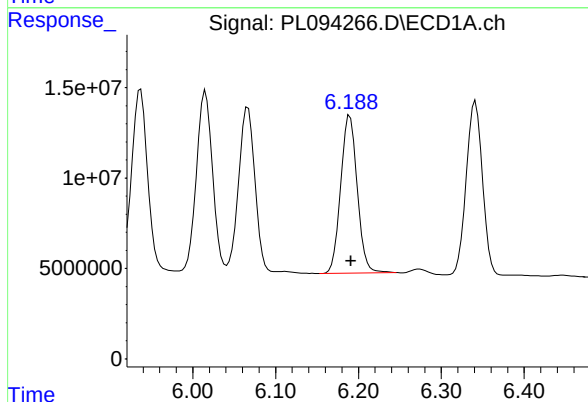
Manual Integrations
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Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



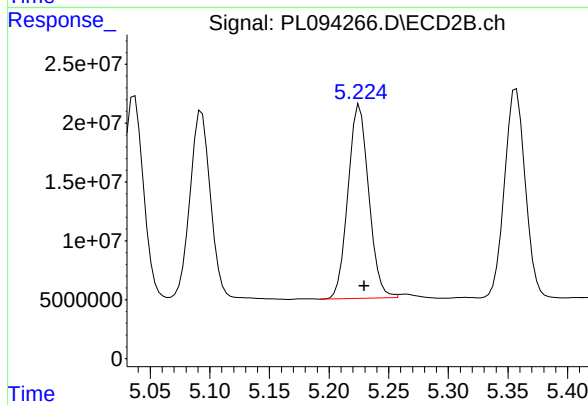
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 210153881
Conc: 50.20 ng/ml



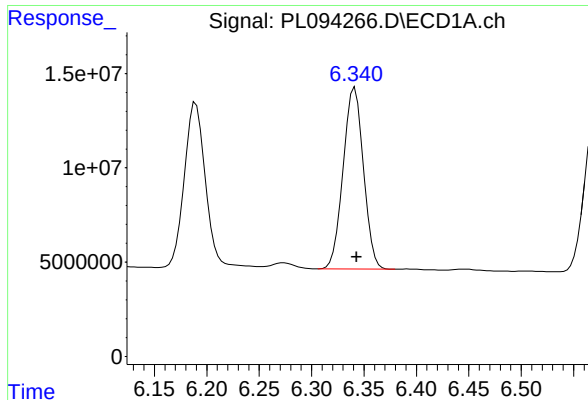
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 121537481
Conc: 49.92 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 199320274
Conc: 49.71 ng/ml



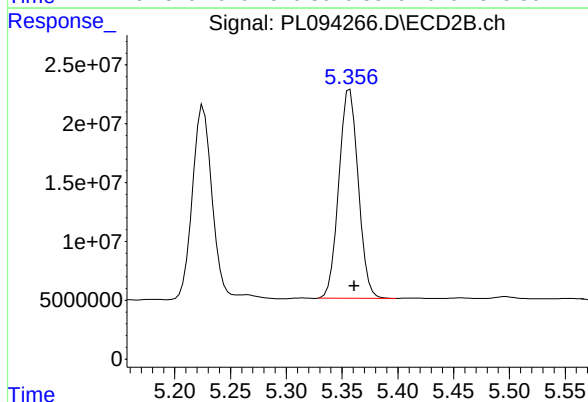
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 130274658
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

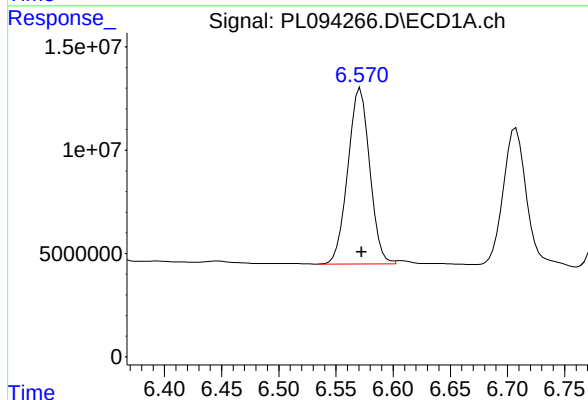
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



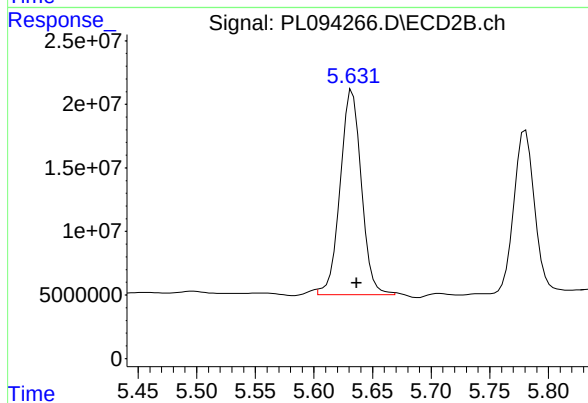
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 214470414
Conc: 49.93 ng/ml



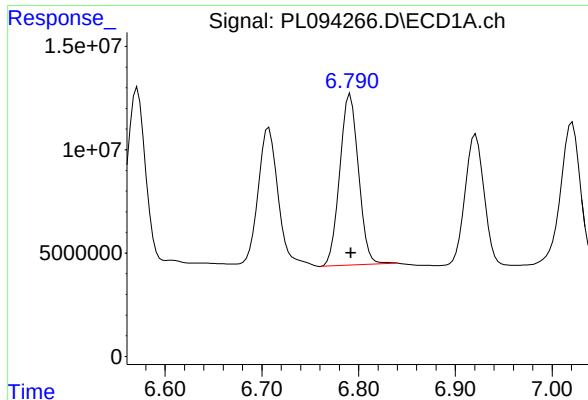
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 114056331
Conc: 48.64 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.005 min
Response: 202499292
Conc: 54.84 ng/ml m



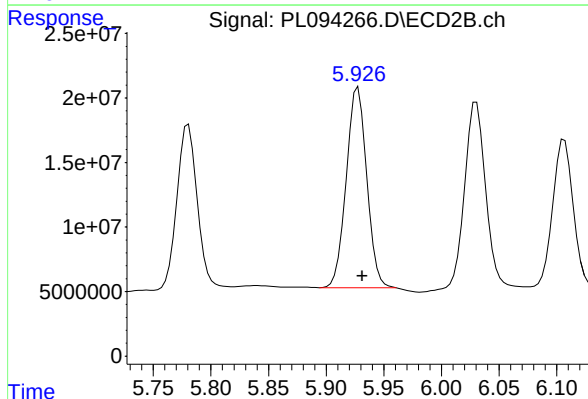
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 110932086
Conc: 46.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

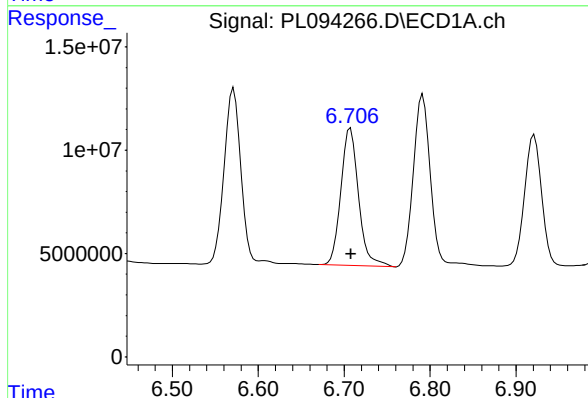
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



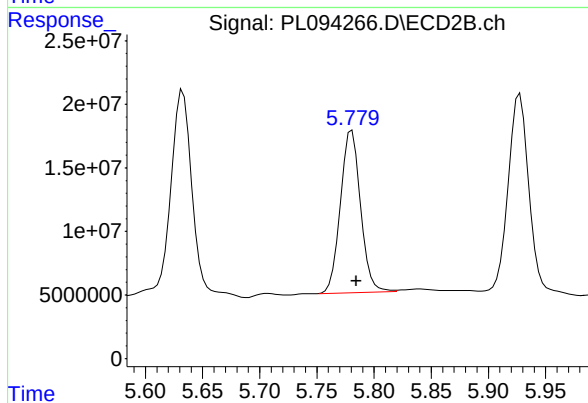
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 191523400
Conc: 51.71 ng/ml m



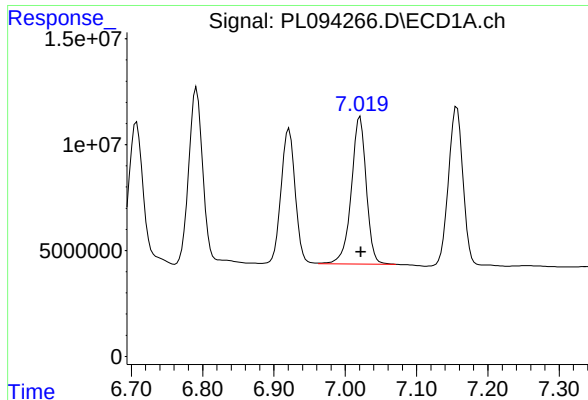
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 94547778
Conc: 49.75 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.004 min
Response: 156724543
Conc: 49.65 ng/ml



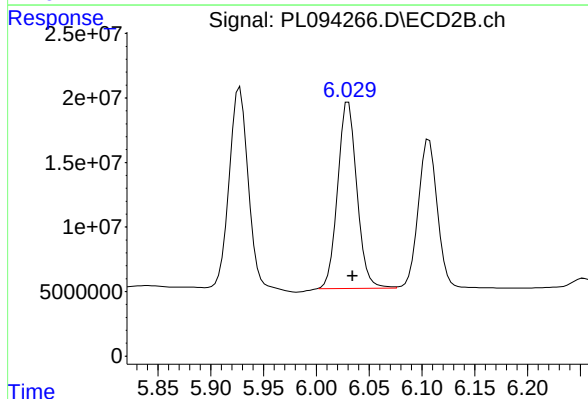
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 101258805
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

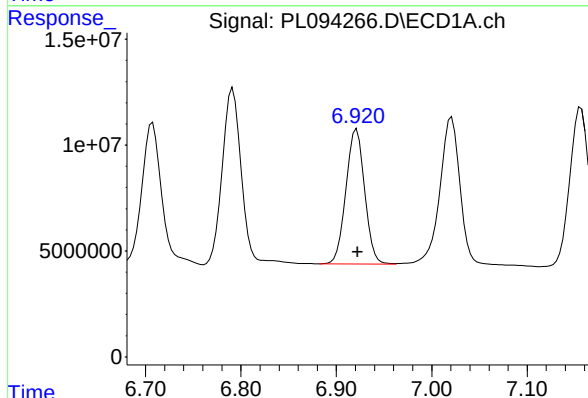
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



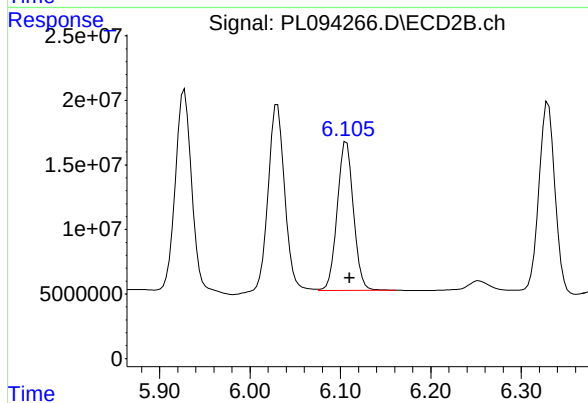
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 182956889
Conc: 56.22 ng/ml



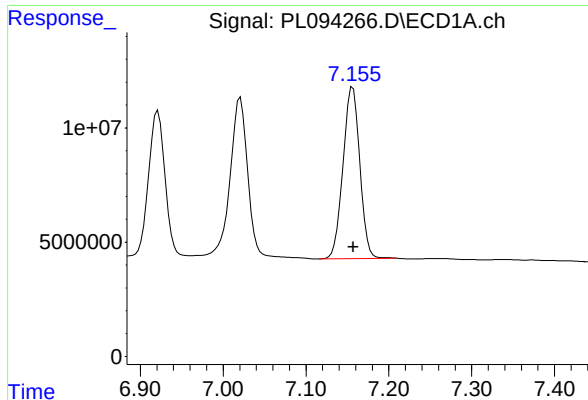
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 87216646
Conc: 44.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 144287253
Conc: 47.39 ng/ml



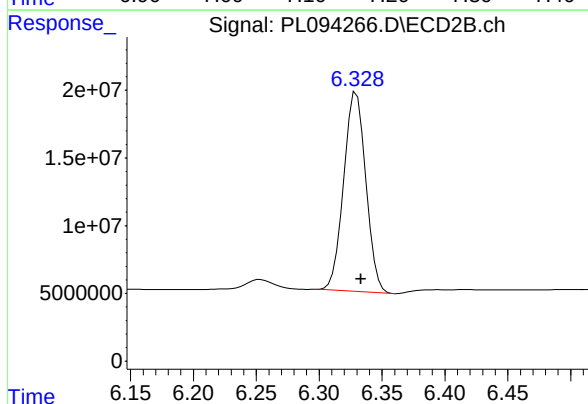
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 106125577
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

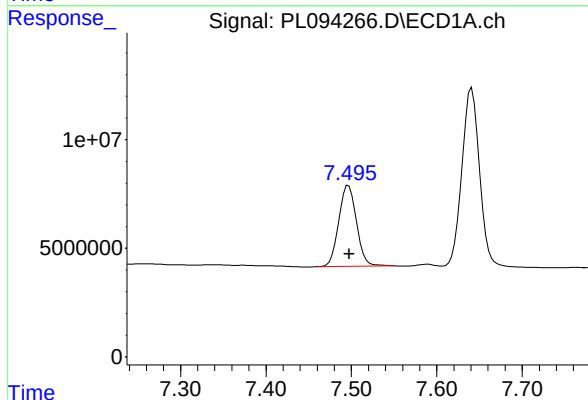
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



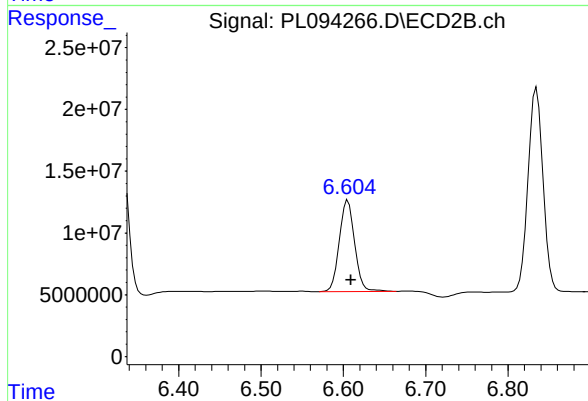
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.004 min
Response: 179647564
Conc: 50.38 ng/ml



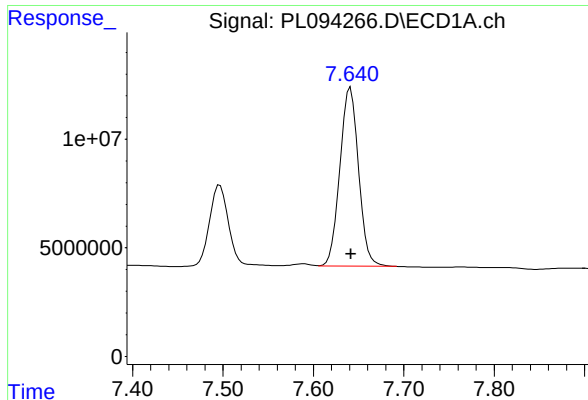
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 53796982
Conc: 51.56 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.004 min
Response: 95500192
Conc: 53.41 ng/ml



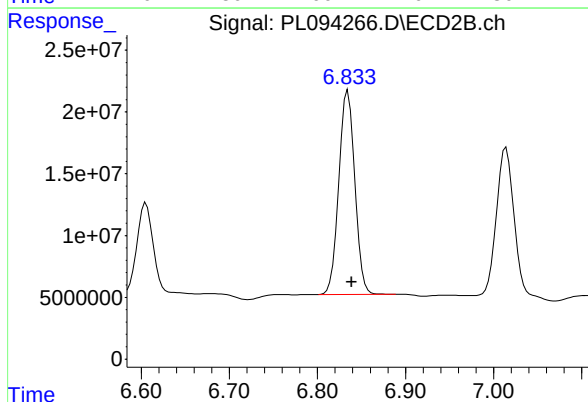
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 117855584
Conc: 46.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

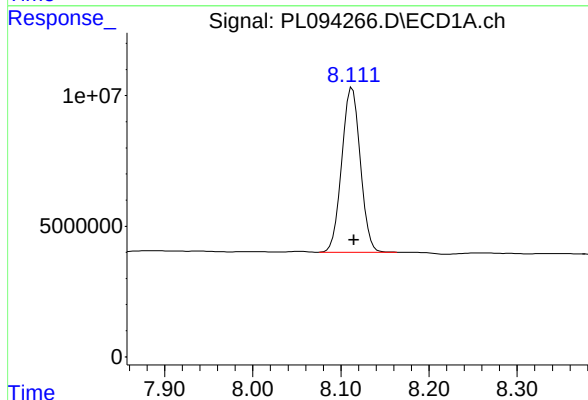
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



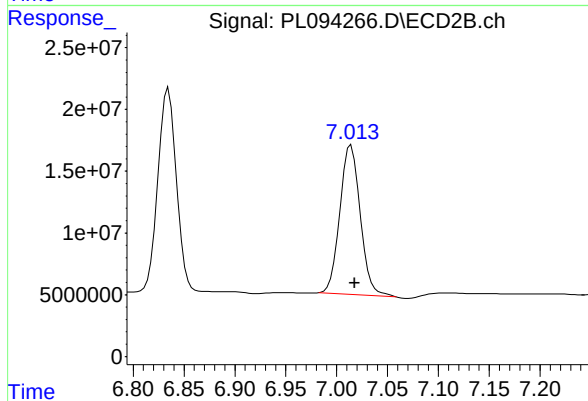
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 208397073
Conc: 49.67 ng/ml



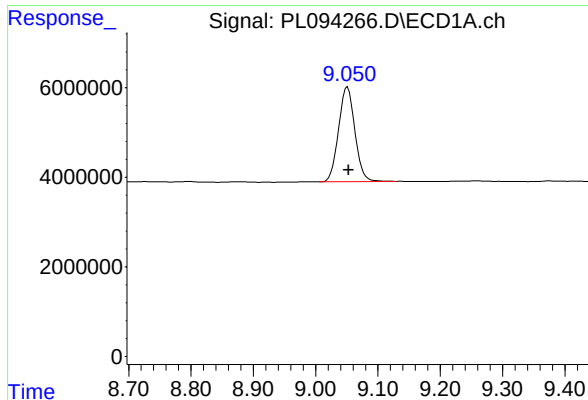
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 92349398
Conc: 44.35 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 168729843
Conc: 49.89 ng/ml



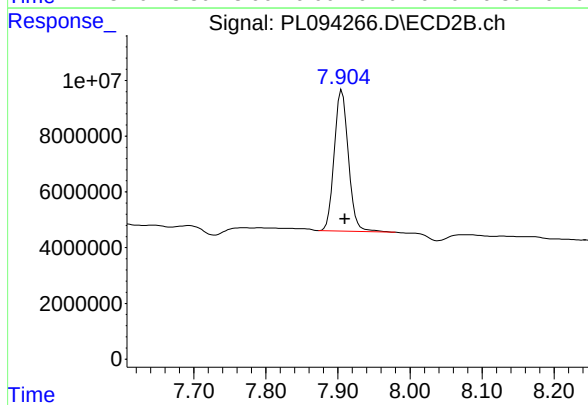
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 38394438
Conc: 18.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 68693428
Conc: 19.60 ng/ml

Manual Integration Report

Sequence:

PL012125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093726.D	4,4"-DDD	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	4,4"-DDE	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	Endrin aldehyde	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5 #2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE #2	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PSTDCCC050	PL093748.D	Heptachlor	Abdul	1/22/2025 8:17:12 AM	Ankita	1/22/2025 8:30:32	Peak Integrated by Software

Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094256.D	4,4"-DDD	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	4,4"-DDE	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	4,4"-DDT #2	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	Endrin	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-1 #2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-5	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-5 #2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PB166771BS	PL094261.D	Dieldrin #2	Abdul	2/20/2025 5:38:21 PM	Ankita	2/21/2025 1:20:28	Peak Integrated by Software
PB166771BS	PL094261.D	Endosulfan II #2	Abdul	2/20/2025 5:38:21 PM	Ankita	2/21/2025 1:20:28	Peak Integrated by Software
PB166771BS	PL094261.D	Endrin	Abdul	2/20/2025 5:38:21 PM	Ankita	2/21/2025 1:20:28	Peak Integrated by Software
PB166771BS	PL094261.D	Endrin #2	Abdul	2/20/2025 5:38:21 PM	Ankita	2/21/2025 1:20:28	Peak Integrated by Software
PB166771BS	PL094261.D	Heptachlor	Abdul	2/20/2025 5:38:21 PM	Ankita	2/21/2025 1:20:28	Peak Integrated by Software

Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1382-01	PL094264.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:34 AM	Ankita	2/20/2025 12:58:51	Peak Integrated by Software
Q1382-01MS	PL094265.D	4,4"-DDE #2	Abdul	2/20/2025 8:43:40 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MS	PL094265.D	Endosulfan II #2	Abdul	2/20/2025 8:43:40 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MS	PL094265.D	Endrin	Abdul	2/20/2025 8:43:40 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MS	PL094265.D	Endrin #2	Abdul	2/20/2025 8:43:40 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MS	PL094265.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:40 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MSD	PL094266.D	Endosulfan II #2	Abdul	2/20/2025 8:43:44 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MSD	PL094266.D	Endrin	Abdul	2/20/2025 8:43:44 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MSD	PL094266.D	Endrin #2	Abdul	2/20/2025 8:43:44 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MSD	PL094266.D	Heptachlor	Abdul	2/20/2025 8:43:44 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-01MSD	PL094266.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:44 AM	Ankita	2/20/2025 12:58:53	Peak Integrated by Software
Q1382-03	PL094267.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:48 AM	Ankita	2/20/2025 12:58:55	Peak Integrated by Software
Q1382-05	PL094268.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:53 AM	Ankita	2/20/2025 12:58:56	Peak Integrated by Software

Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1382-07	PL094269.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:43:57 AM	Ankita	2/20/2025 12:58:58	Peak Integrated by Software
PSTDCCC050	PL094271.D	4,4"-DDD #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	4,4"-DDT #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Dieldrin #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endosulfan II #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endosulfan Sulfate #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endrin	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endrin #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Heptachlor	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-1 #2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-5	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-5 #2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software

Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PTOXCCC500	PL094273.D	Decachlorobiphenyl #2	Abdul	2/20/2025 8:44:10 AM	Ankita	2/20/2025 12:59:02	Peak Integrated by Software
Q1382-09	PL094274.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:44:15 AM	Ankita	2/20/2025 12:59:05	Peak Integrated by Software
Q1382-11	PL094275.D	Tetrachloro-m-xylene	Abdul	2/24/2025 9:13:43 AM	Ankita	2/24/2025 9:13:59	Peak Integrated by Software
Q1382-13	PL094276.D	Tetrachloro-m-xylene	Abdul	2/20/2025 5:38:41 PM	Ankita	2/21/2025 1:20:32	Peak Integrated by Software
Q1382-15	PL094277.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:44:30 AM	Ankita	2/20/2025 12:59:23	Peak Integrated by Software
Q1382-17	PL094278.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:45:28 AM	Ankita	2/20/2025 12:59:28	Peak Integrated by Software
Q1382-19	PL094279.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:44:34 AM	Ankita	2/20/2025 12:59:29	Peak Integrated by Software
PEM	PL094285.D	Endrin	Abdul	2/20/2025 8:44:51 AM	Ankita	2/20/2025 12:59:40	Peak Integrated by Software
PSTDCCC050	PL094286.D	Dieldrin #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software
PSTDCCC050	PL094286.D	Endosulfan II #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software
PSTDCCC050	PL094286.D	Endosulfan Sulfate #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093724.D	21 Jan 2025 10:03	AR\AJ	Ok
2	I.BLK	PL093725.D	21 Jan 2025 10:16	AR\AJ	Ok
3	PEM	PL093726.D	21 Jan 2025 10:30	AR\AJ	Ok,M
4	RESCHK	PL093727.D	21 Jan 2025 10:43	AR\AJ	Ok
5	PSTDICC100	PL093728.D	21 Jan 2025 10:57	AR\AJ	Ok
6	PSTDICC075	PL093729.D	21 Jan 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL093730.D	21 Jan 2025 11:24	AR\AJ	Ok
8	PSTDICC025	PL093731.D	21 Jan 2025 11:38	AR\AJ	Ok
9	PSTDICC005	PL093732.D	21 Jan 2025 11:51	AR\AJ	Ok
10	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05	AR\AJ	Ok
11	PCHLORICC750	PL093734.D	21 Jan 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL093735.D	21 Jan 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL093736.D	21 Jan 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL093737.D	21 Jan 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL093738.D	21 Jan 2025 13:12	AR\AJ	Ok
16	PTOXICC750	PL093739.D	21 Jan 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL093740.D	21 Jan 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL093741.D	21 Jan 2025 13:53	AR\AJ	Ok
19	PTOXICC100	PL093742.D	21 Jan 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL093743.D	21 Jan 2025 14:20	AR\AJ	Ok
21	PCHLORICV500	PL093744.D	21 Jan 2025 14:47	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL093745.D	21 Jan 2025 15:14	AR\AJ	Ok
23	I.BLK	PL093746.D	21 Jan 2025 15:41	AR\AJ	Ok
24	PEM	PL093747.D	21 Jan 2025 15:54	AR\AJ	Ok,M
25	PSTDCCC050	PL093748.D	21 Jan 2025 16:07	AR\AJ	Ok,M
26	Q1093-01RE	PL093749.D	21 Jan 2025 16:21	AR\AJ	Confirms
27	I.BLK	PL093750.D	21 Jan 2025 16:34	AR\AJ	Ok
28	PSTDCCC050	PL093751.D	21 Jan 2025 16:48	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM
SubDirectory	PL021925	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094254.D	19 Feb 2025 11:12	AR\AJ	Ok
2	I.BLK	PL094255.D	19 Feb 2025 11:26	AR\AJ	Ok
3	PEM	PL094256.D	19 Feb 2025 11:39	AR\AJ	Ok,M
4	PSTDCCC050	PL094257.D	19 Feb 2025 12:21	AR\AJ	Ok
5	PCHLORCCC500	PL094258.D	19 Feb 2025 13:39	AR\AJ	Ok,M
6	PTOXCCC500	PL094259.D	19 Feb 2025 14:22	AR\AJ	Ok
7	PB166771BL	PL094260.D	19 Feb 2025 14:37	AR\AJ	Ok
8	PB166771BS	PL094261.D	19 Feb 2025 14:51	AR\AJ	Ok,M
9	PB166771BS	PL094262.D	19 Feb 2025 15:09	AR\AJ	Ok,M
10	PB166771BS	PL094263.D	19 Feb 2025 15:27	AR\AJ	Ok
11	Q1382-01	PL094264.D	19 Feb 2025 16:12	AR\AJ	Ok,M
12	Q1382-01MS	PL094265.D	19 Feb 2025 16:25	AR\AJ	Ok,M
13	Q1382-01MSD	PL094266.D	19 Feb 2025 16:39	AR\AJ	Ok,M
14	Q1382-03	PL094267.D	19 Feb 2025 16:52	AR\AJ	Ok,M
15	Q1382-05	PL094268.D	19 Feb 2025 17:06	AR\AJ	Ok,M
16	Q1382-07	PL094269.D	19 Feb 2025 17:19	AR\AJ	Ok,M
17	I.BLK	PL094270.D	19 Feb 2025 17:33	AR\AJ	Ok
18	PSTDCCC050	PL094271.D	19 Feb 2025 17:47	AR\AJ	Ok,M
19	PCHLORCCC500	PL094272.D	19 Feb 2025 18:00	AR\AJ	Ok,M
20	PTOXCCC500	PL094273.D	19 Feb 2025 18:14	AR\AJ	Ok,M
21	Q1382-09	PL094274.D	19 Feb 2025 18:27	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM
SubDirectory	PL021925	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1382-11	PL094275.D	19 Feb 2025 18:41	AR\AJ	Ok,M
23	Q1382-13	PL094276.D	19 Feb 2025 18:54	AR\AJ	Ok,M
24	Q1382-15	PL094277.D	19 Feb 2025 19:08	AR\AJ	Ok,M
25	Q1382-17	PL094278.D	19 Feb 2025 19:21	AR\AJ	Ok,M
26	Q1382-19	PL094279.D	19 Feb 2025 19:35	AR\AJ	Ok,M
27	Q1384-01	PL094280.D	19 Feb 2025 19:49	AR\AJ	Ok,M
28	Q1385-01	PL094281.D	19 Feb 2025 20:02	AR\AJ	Ok
29	Q1383-01	PL094282.D	19 Feb 2025 20:16	AR\AJ	Ok,M
30	Q1383-01MS	PL094283.D	19 Feb 2025 20:29	AR\AJ	Ok,M
31	I.BLK	PL094284.D	19 Feb 2025 20:43	AR\AJ	Ok
32	PEM	PL094285.D	19 Feb 2025 20:57	AR\AJ	Ok,M
33	PSTDCCC050	PL094286.D	19 Feb 2025 21:10	AR\AJ	Ok,M
34	Q1383-01MSD	PL094287.D	20 Feb 2025 08:29	AR\AJ	Ok,M
35	I.BLK	PL094288.D	20 Feb 2025 08:43	AR\AJ	Ok
36	PSTDCCC050	PL094289.D	20 Feb 2025 08:56	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093724.D	21 Jan 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL093725.D	21 Jan 2025 10:16		AR\AJ	Ok
3	PEM	PEM	PL093726.D	21 Jan 2025 10:30		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093727.D	21 Jan 2025 10:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093728.D	21 Jan 2025 10:57		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093729.D	21 Jan 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093730.D	21 Jan 2025 11:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093731.D	21 Jan 2025 11:38		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093732.D	21 Jan 2025 11:51		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093734.D	21 Jan 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093735.D	21 Jan 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093736.D	21 Jan 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093737.D	21 Jan 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093738.D	21 Jan 2025 13:12		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093739.D	21 Jan 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093740.D	21 Jan 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093741.D	21 Jan 2025 13:53		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL093742.D	21 Jan 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL012125	PL093743.D	21 Jan 2025 14:20		AR\AJ	Ok
21	PCHLORICV500	ICVPL012125CHLOR	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125TOX	PL093745.D	21 Jan 2025 15:14		AR\AJ	Ok
23	I.BLK	I.BLK	PL093746.D	21 Jan 2025 15:41		AR\AJ	Ok
24	PEM	PEM	PL093747.D	21 Jan 2025 15:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093748.D	21 Jan 2025 16:07		AR\AJ	Ok,M
26	Q1093-01RE	RT-3407RE	PL093749.D	21 Jan 2025 16:21	F Flag coming , DCB high in 2nd column	AR\AJ	Confirms
27	I.BLK	I.BLK	PL093750.D	21 Jan 2025 16:34		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093751.D	21 Jan 2025 16:48		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM
SubDirectory	PL021925	HP Acquire Method	HP Processing Method pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094254.D	19 Feb 2025 11:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL094255.D	19 Feb 2025 11:26	DCB high in 2nd column	AR\AJ	Ok
3	PEM	PEM	PL094256.D	19 Feb 2025 11:39		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094257.D	19 Feb 2025 12:21		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PL094258.D	19 Feb 2025 13:39		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL094259.D	19 Feb 2025 14:22		AR\AJ	Ok
7	PB166771BL	PB166771BL	PL094260.D	19 Feb 2025 14:37		AR\AJ	Ok
8	PB166771BS	PB166771BS	PL094261.D	19 Feb 2025 14:51		AR\AJ	Ok,M
9	PB166771BS	PB166771BS	PL094262.D	19 Feb 2025 15:09		AR\AJ	Ok,M
10	PB166771BS	PB166771BS	PL094263.D	19 Feb 2025 15:27		AR\AJ	Ok
11	Q1382-01	OU4-PCS-TC-01-02172	PL094264.D	19 Feb 2025 16:12		AR\AJ	Ok,M
12	Q1382-01MS	OU4-PCS-TC-01-02172	PL094265.D	19 Feb 2025 16:25		AR\AJ	Ok,M
13	Q1382-01MSD	OU4-PCS-TC-01-02172	PL094266.D	19 Feb 2025 16:39		AR\AJ	Ok,M
14	Q1382-03	OU4-PCS-TC-02-02172	PL094267.D	19 Feb 2025 16:52		AR\AJ	Ok,M
15	Q1382-05	OU4-PCS-TC-03-02172	PL094268.D	19 Feb 2025 17:06		AR\AJ	Ok,M
16	Q1382-07	OU4-PCS-TC-04-02172	PL094269.D	19 Feb 2025 17:19		AR\AJ	Ok,M
17	I.BLK	I.BLK	PL094270.D	19 Feb 2025 17:33		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PL094271.D	19 Feb 2025 17:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM
SubDirectory	PL021925	HP Acquire Method	HP Processing Method pl012125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PCHLORCCC500	PCHLORCCC500	PL094272.D	19 Feb 2025 18:00		AR\AJ	Ok,M
20	PTOXCCC500	PTOXCCC500	PL094273.D	19 Feb 2025 18:14		AR\AJ	Ok,M
21	Q1382-09	OU4-PCS-TC-05-02172	PL094274.D	19 Feb 2025 18:27	DCB high in 2nd column	AR\AJ	Ok,M
22	Q1382-11	OU4-PCS-TC-06-02172	PL094275.D	19 Feb 2025 18:41		AR\AJ	Ok,M
23	Q1382-13	OU4-PCS-TC-07-02172	PL094276.D	19 Feb 2025 18:54		AR\AJ	Ok,M
24	Q1382-15	OU4-PCS-TC-08-02172	PL094277.D	19 Feb 2025 19:08		AR\AJ	Ok,M
25	Q1382-17	OU4-PCS-TC-09-02172	PL094278.D	19 Feb 2025 19:21		AR\AJ	Ok,M
26	Q1382-19	OU4-PCS-TC-10-02172	PL094279.D	19 Feb 2025 19:35		AR\AJ	Ok,M
27	Q1384-01	OR-03-021823025	PL094280.D	19 Feb 2025 19:49		AR\AJ	Ok,M
28	Q1385-01	ST-1	PL094281.D	19 Feb 2025 20:02		AR\AJ	Ok
29	Q1383-01	OU4-PCS-TC-11-02172	PL094282.D	19 Feb 2025 20:16		AR\AJ	Ok,M
30	Q1383-01MS	OU4-PCS-TC-11-02172	PL094283.D	19 Feb 2025 20:29		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL094284.D	19 Feb 2025 20:43		AR\AJ	Ok
32	PEM	PEM	PL094285.D	19 Feb 2025 20:57		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PL094286.D	19 Feb 2025 21:10		AR\AJ	Ok,M
34	Q1383-01MSD	OU4-PCS-TC-11-02172	PL094287.D	20 Feb 2025 08:29		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL094288.D	20 Feb 2025 08:43		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL094289.D	20 Feb 2025 08:56		AR\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134739

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
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-021825

WorkList ID : 187742

Department : Wet-Chemistry

Date : 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00
 Raw Sample Received by: TH WWC
 Raw Sample Relinquished by: OP

Date/Time 02/18/25
 Raw Sample Received by: OP
 Raw Sample Relinquished by: OP

WORKLIST(Hardcopy Internal Chain)

8134439

WorkList Name : %1-021825 WorkList ID : 187742 Department : Wet-Chemistry Date : 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 02/18/25 17:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Extraction Start Date : 02/19/2025

Matrix : Solid

Extraction Start Time : 08:10

Weigh By: EH

Extraction By: RJ

Extraction End Date : 02/19/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 11:10

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP24123
Spike Sol 2	2.0ML	1000 PPB	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	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
Hexane	N/A	E3877
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
02/19/25	RP (Ext Lab)	RP (Ext Lab)
11:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/19/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166771BL	PBLK771	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB166771BS	PLCS771	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1382-01	OU4-PCS-TC-01-021725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q1382-01MS	OU4-PCS-TC-01-021725MS	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		4
Q1382-01MSD	OU4-PCS-TC-01-021725MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		5
Q1382-03	OU4-PCS-TC-02-021725	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		6
Q1382-05	OU4-PCS-TC-03-021725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q1382-07	OU4-PCS-TC-04-021725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q1382-09	OU4-PCS-TC-05-021725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q1382-11	OU4-PCS-TC-06-021725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q1382-13	OU4-PCS-TC-07-021725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
Q1382-15	OU4-PCS-TC-08-021725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
Q1382-17	OU4-PCS-TC-09-021725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		U4-1
Q1382-19	OU4-PCS-TC-10-021725	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q1384-01	OR-03-021823025	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		3
Q1385-01	ST-1	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D	Concrete	4
	CHLORDANE		30.02							5
	TOXAPHENE		30.04							6

* Extracts relinquished on the same date as received.

2/19/25

166-111
Q-110

WORKLIST(Hardcopy Internal Chain)

Worklist Name : Q1382PEST

Worklist ID : 187761

Department : Extraction

Date : 02-19-2025 08:03:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1382-01	OU4-PCS-TC-01-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-03	OU4-PCS-TC-02-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-05	OU4-PCS-TC-03-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-07	OU4-PCS-TC-04-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-09	OU4-PCS-TC-05-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-11	OU4-PCS-TC-06-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-13	OU4-PCS-TC-07-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-15	OU4-PCS-TC-08-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-17	OU4-PCS-TC-09-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1382-19	OU4-PCS-TC-10-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1384-01	OR-03-021823025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	N41	02/18/2025	8081B
Q1385-01	ST-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	H21	02/18/2025	8081B

Date/Time 02/19/25 8:08

Raw Sample Received by: PJ (Set Lead)

Raw Sample Relinquished by: CJ (Set Lead)

Date/Time 02/19/25 8:30

Raw Sample Received by: CJ (Set Lead)

Raw Sample Relinquished by: PJ (Set Lead)

Prep Standard - Chemical Standard Summary

Order ID : Q1382

Test : Pesticide-TCL

Prepbatch ID : PB166771,

Sequence ID/Qc Batch ID: PL021925,

Standard ID :

EP2583,EP2589,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP
23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24080,PP24081,PP24091,PP2
4095,PP24123,

Chemical ID :

E2865,E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3872,E3873,E3877,P 11146,P11896,P12600,P13036,P13039,
P13245,P13349,P13350,P13353,P13359,P13402,P13404,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = 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	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

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)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u>	98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u>	0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml							

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

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	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P12600 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								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	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani
								01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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)	235898	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

P12596
↓
P12602
⑦
Kauf
7/3/2023

CERTIFIED VALUES

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

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

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

Tech Tips:

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

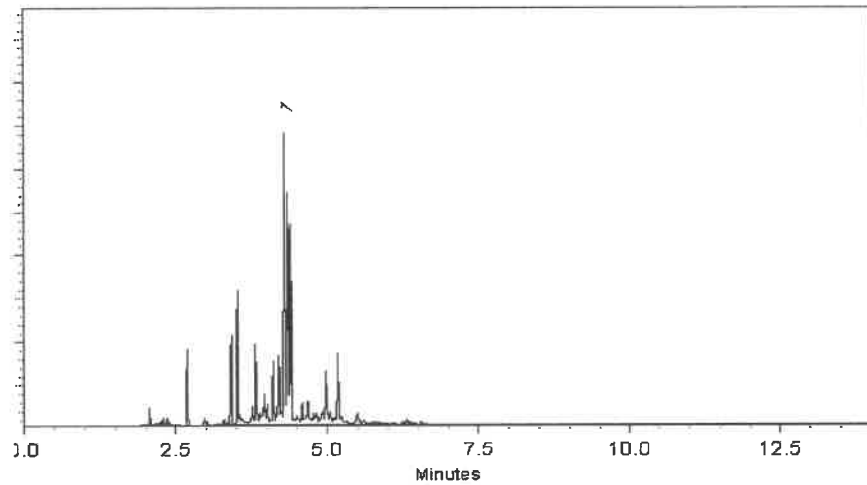
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

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

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

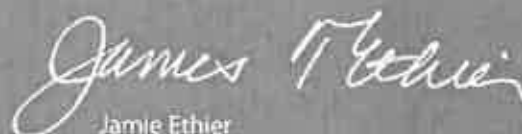
Certificate of Analysis

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

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

CERTIFICATE OF ANALYSIS

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

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

COMMENTS

QC: PhC Irma Belmares

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

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

RC-02-01, Ed. 3

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

Certificate of Analysis

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

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

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

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

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

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

Rec'd by RP On 12/13/24

E 3846



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	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)	$\leq 0.05 \%$	< 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



Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

Avantor™



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

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₈ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

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

Recd by RP on 1/29/25

E 3872

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

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

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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	02/23/2024
Lot Number	235898		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Feb/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	73
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	0.670
EVAPORATION RESIDUE	ppm	<= 1	0.3
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.64
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.16
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.06
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.002
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.380
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



E 3877

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.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 32021 Lot No.: A0181737
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: May 31, 2028 Storage: 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 (Lot 978545) Purity ----%	1,006.0 µg/mL	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

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

Tech Tips:

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

P 11892
↓
P 11896
5

06/17/2022

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

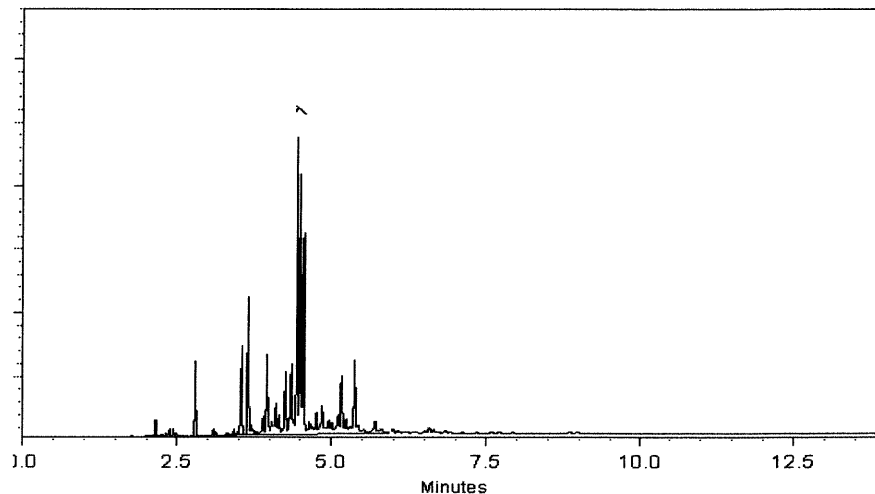
Carrier Gas:
helium-constant pressure 20 psi.

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

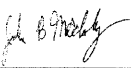
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

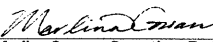


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

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

P 11892 / (5)
↓
P 11896 / 1


06/17/2022



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
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 P13043
 5
 1
 JAW
 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.)

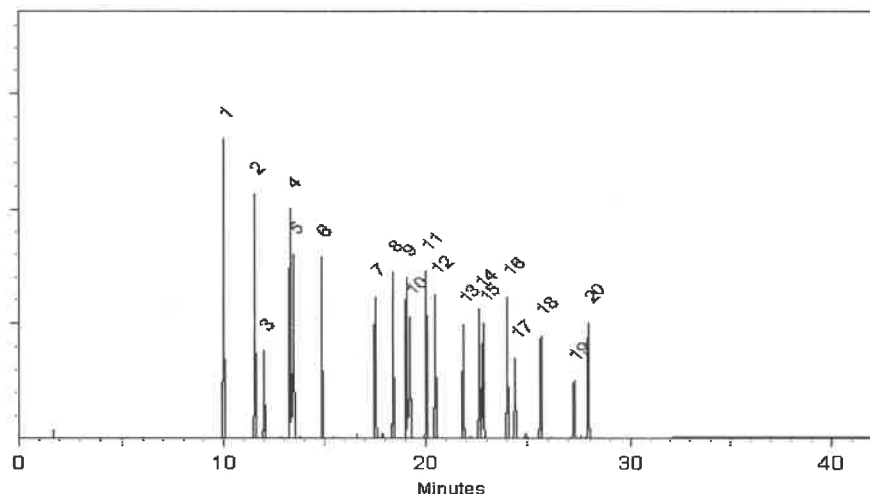
Inj. Temp:
 200°C

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: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

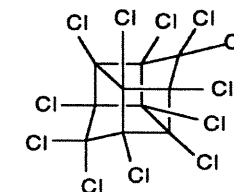
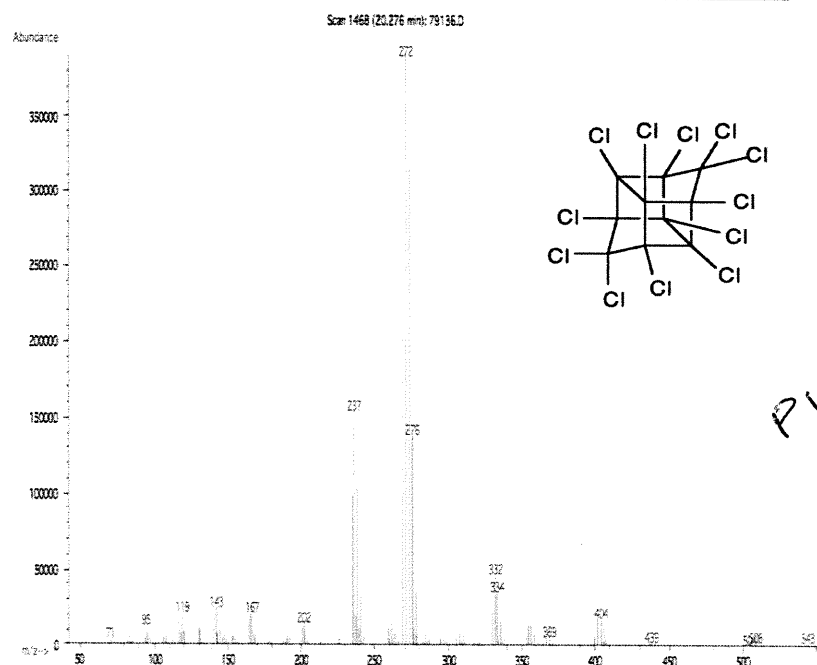
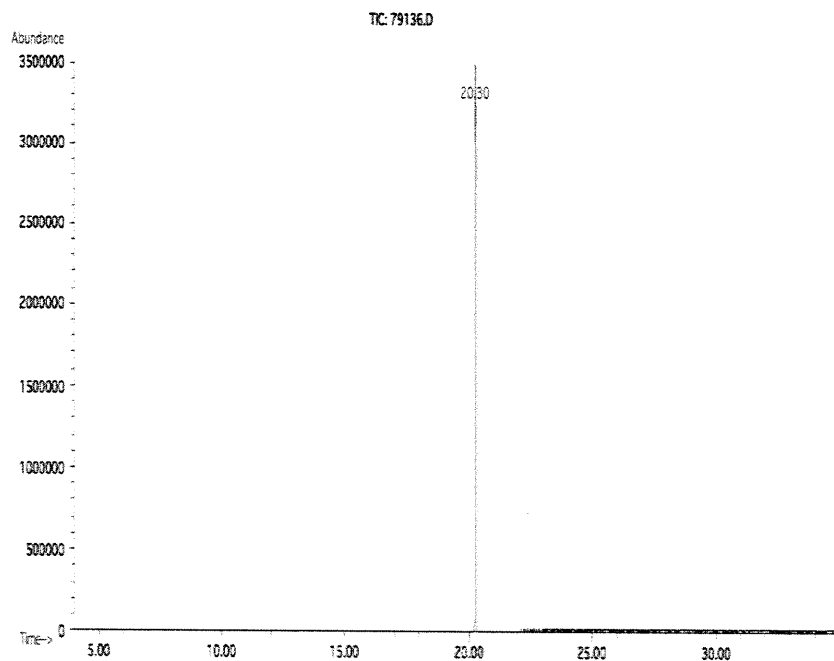
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
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P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

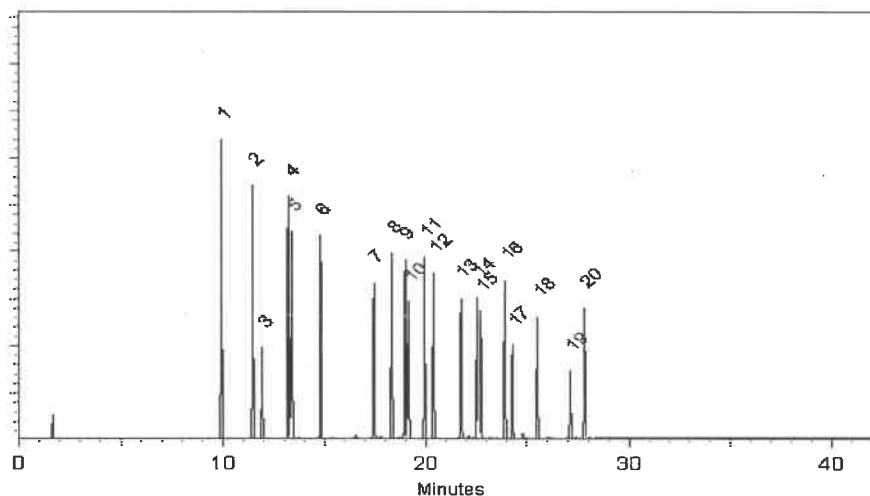
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0
 5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

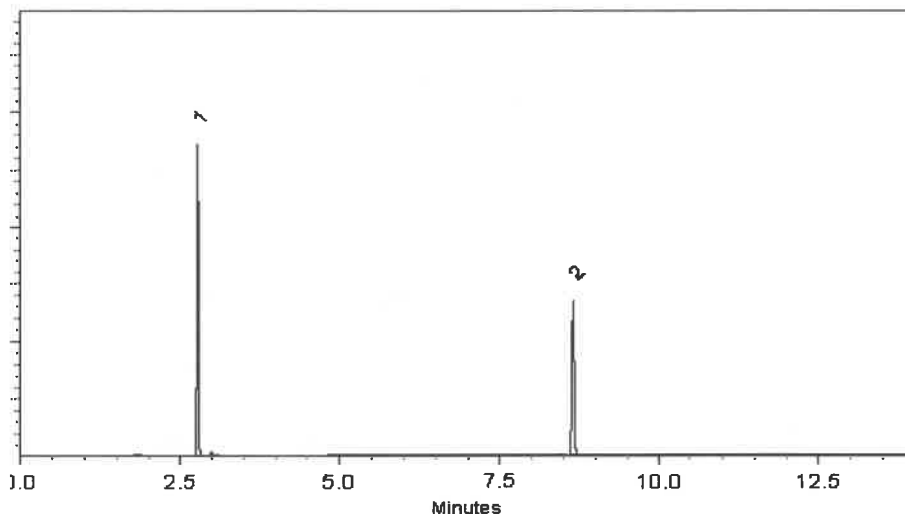
ECD

Split Vent:

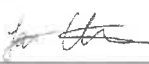
10 ml/min.

Inj. Vol

1µl

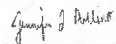


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

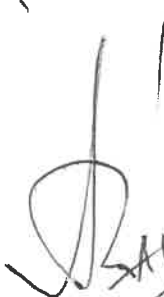
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


SAUF
04/25/2025



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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
BAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

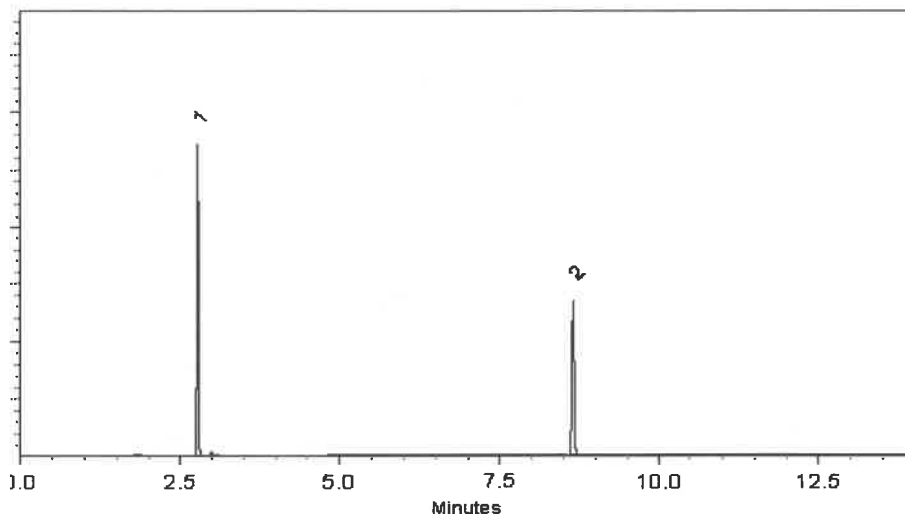
ECD

Split Vent:

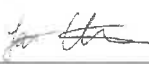
10 ml/min.

Inj. Vol

1µl

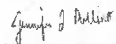


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

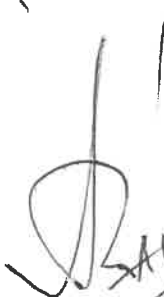
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


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04/25/2025



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

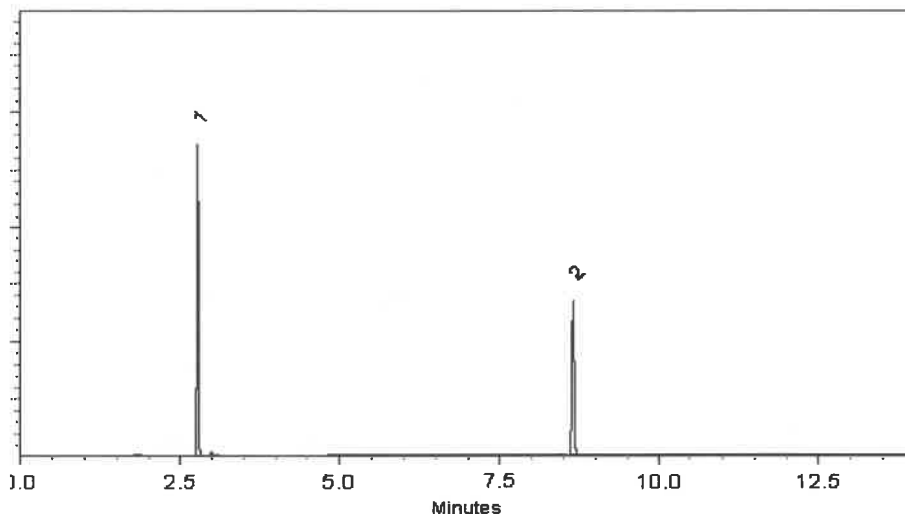
ECD

Split Vent:

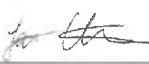
10 ml/min.

Inj. Vol

1µl

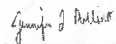


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

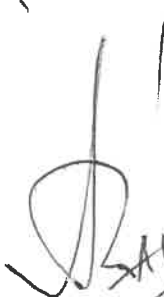
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


SAUF
04/25/2025



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

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

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

P 13358
↓
P 13369 } (12)

[Signature]
05-06-2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

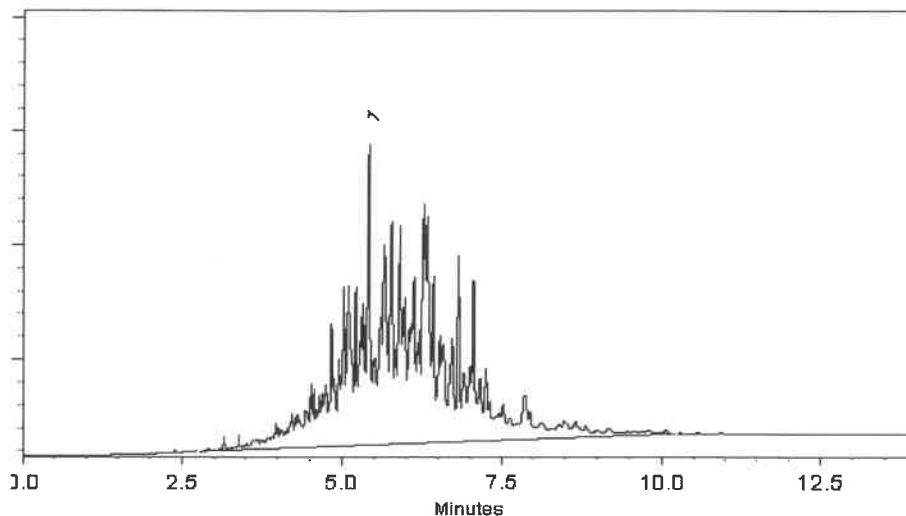
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13358
↓
P13369
↓
(12)


05-06-2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

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

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

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

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

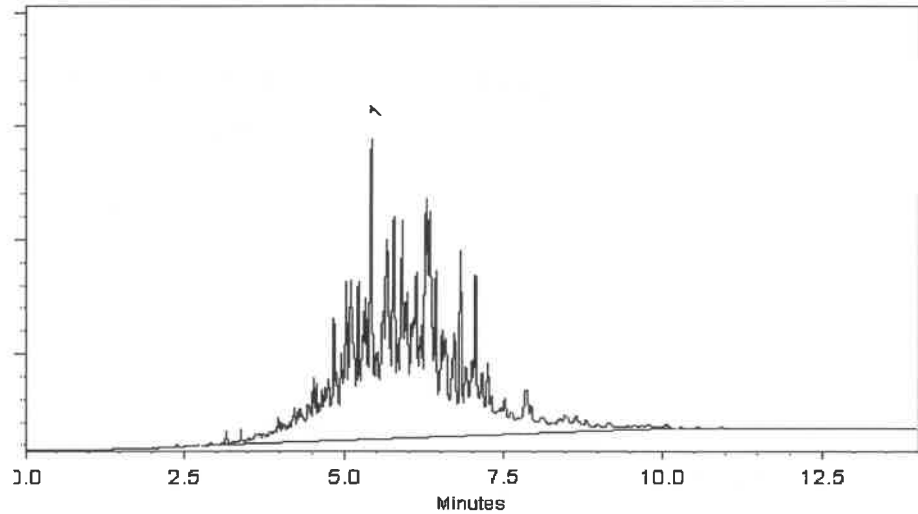
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

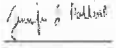


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Dakota Parson - Operations Technician I

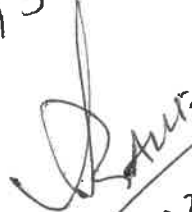
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



110 Benner Circle
Bellefonte, PA 16823-8812
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

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

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

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:

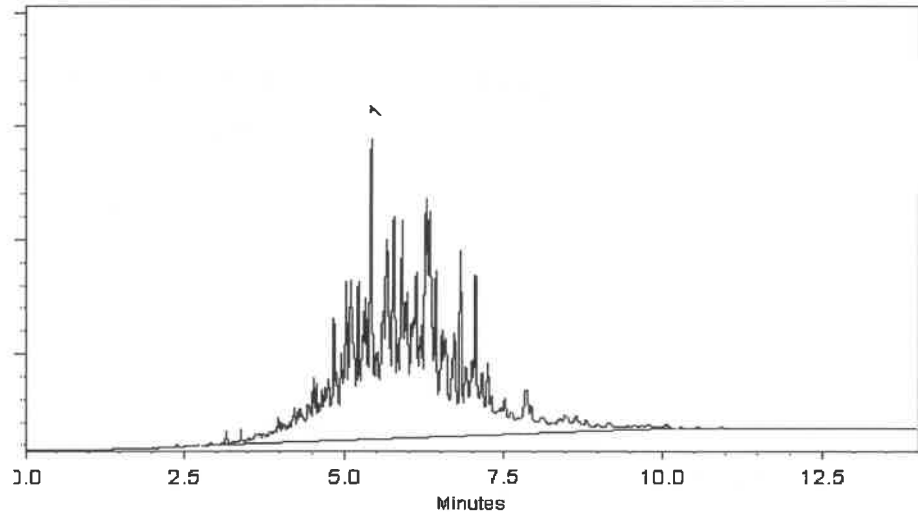
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

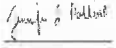


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

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

P13402
↓
P13406 } (5)

5/22/2024



SHIPPING DOCUMENTS

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922

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 2

284 Sheffield Street, Mountaintop, 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: A. Brittingham

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	Total Number Of: VIALS GLASS PLASTIC BACTERIA ENCORE

	OU4-PCS-TC-01-021725	2/17/25	8:30	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-02-021725	2/17/25	8:35	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-03-021725	2/17/25	8:40	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-04-021725	2/17/25	8:45	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-05-021725	2/17/25	8:50	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-06-021725	2/17/25	8:55	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-07-021725	2/17/25	9:00	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-08-021725	2/17/25	9:05	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-09-021725	2/17/25	9:10	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-10-021725	2/17/25	9:15	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	

Reinquinished by: (signature) Date/Time: 2/17/25 12:00

Received by: (signature) Date/Time: 2-18-25 10:25

Reinquinished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Reinquinished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Reinquinished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Lab Comments:

3.1.1

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.

ANALYSIS REQUESTED

Preservation Code

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)

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

MA MCP Required

MA State DW Required

WRTA

Chromatogram

AHA-LAP, LLC



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1382	NOBI03	Order Date : 2/18/2025 10:57:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 2/18/2025 10:25:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1382-01	OU4-PCS-TC-01-021725	Solid	02/17/2025	08:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-03	OU4-PCS-TC-02-021725	Solid	02/17/2025	08:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-05	OU4-PCS-TC-03-021725	Solid	02/17/2025	08:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-07	OU4-PCS-TC-04-021725	Solid	02/17/2025	08:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-09	OU4-PCS-TC-05-021725	Solid	02/17/2025	08:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-11	OU4-PCS-TC-06-021725	Solid	02/17/2025	08:55					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-13	OU4-PCS-TC-07-021725	Solid	02/17/2025	09:00					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-15	OU4-PCS-TC-08-021725	Solid	02/17/2025	09:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1382	NOBI03	Order Date : 2/18/2025 10:57:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 2/18/2025 10:25:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-17	OU4-PCS-TC-09-021725	Solid	02/17/2025	09:10					
					VOCMS Group3		8260D	10 Bus. Days	
Q1382-19	OU4-PCS-TC-10-021725	Solid	02/17/2025	09:15					
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :



Date / Time :

2-18-25 1245

Received By :



Date / Time :

02/18/25

Storage Area : VOA Refridgerator Room

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

Instrument :
 ECD_L
 ClientSampleId :
 PEM

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

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946
Target Compounds							
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299
5)	MB Aldrin	0.000	4.240f	0	192050	N.D.	0.042 #
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797
7)	B delta-BHC	0.000	4.133	0	143143	N.D.	0.030 #
8)	B Heptachlo...	0.000	4.735	0	88960	N.D.	0.021 #
9)	A Endosulfan I	0.000	5.096	0	44117	N.D.	0.011 #
10)	B gamma-Chl...	0.000	4.984	0	751320	N.D.	0.177 #
11)	B alpha-Chl...	0.000	5.034	0	155684	N.D.	0.037 #
12)	B 4,4'-DDE	0.000	5.230	0	775354	N.D.	0.193 #
13)	MA Dieldrin	0.000	5.373	0	563362	N.D.	0.131 #
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705
15)	B Endosulfa...	6.815f	5.944	2199409	1088029	0.913	0.294 #
16)	A 4,4'-DDD	6.709	5.785	4693579	5600389	2.470	1.774 #
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508
18)	B Endrin al...	6.922	6.109	2964016	6776503	1.525	2.226 #
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288

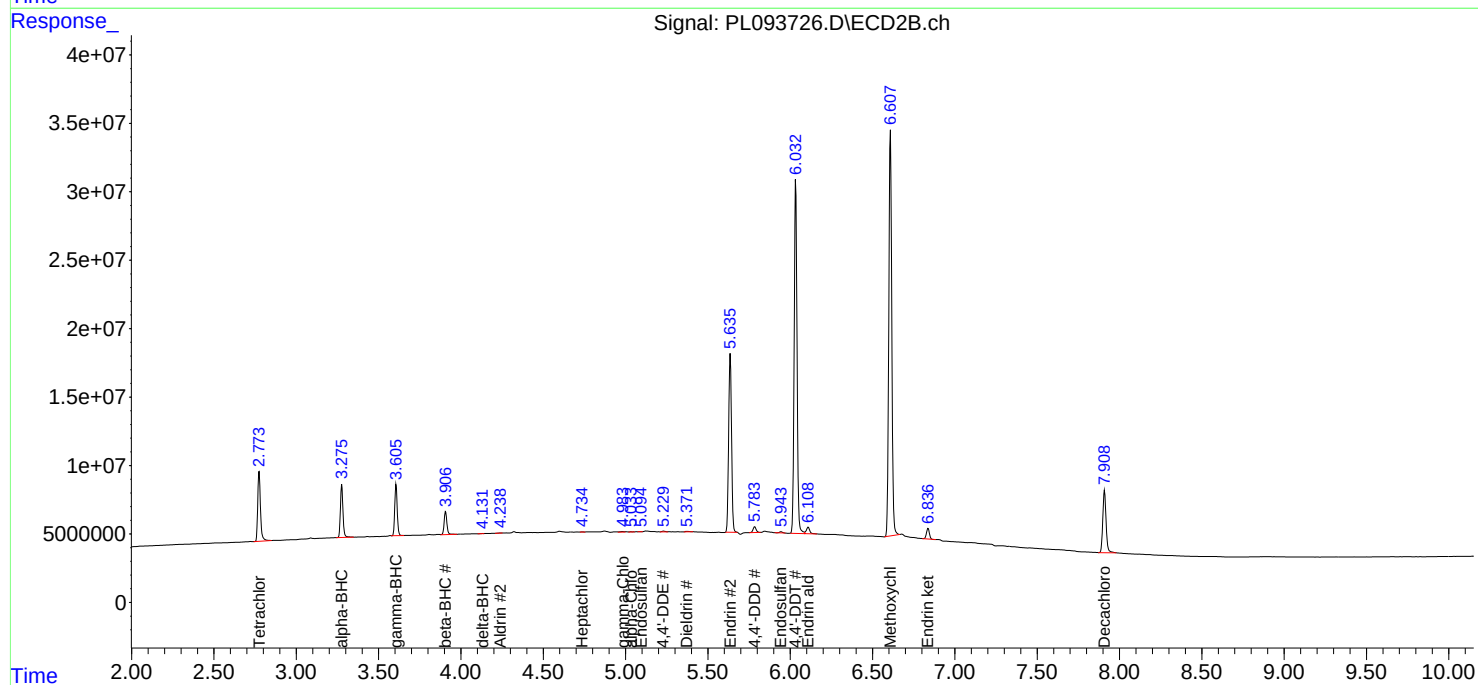
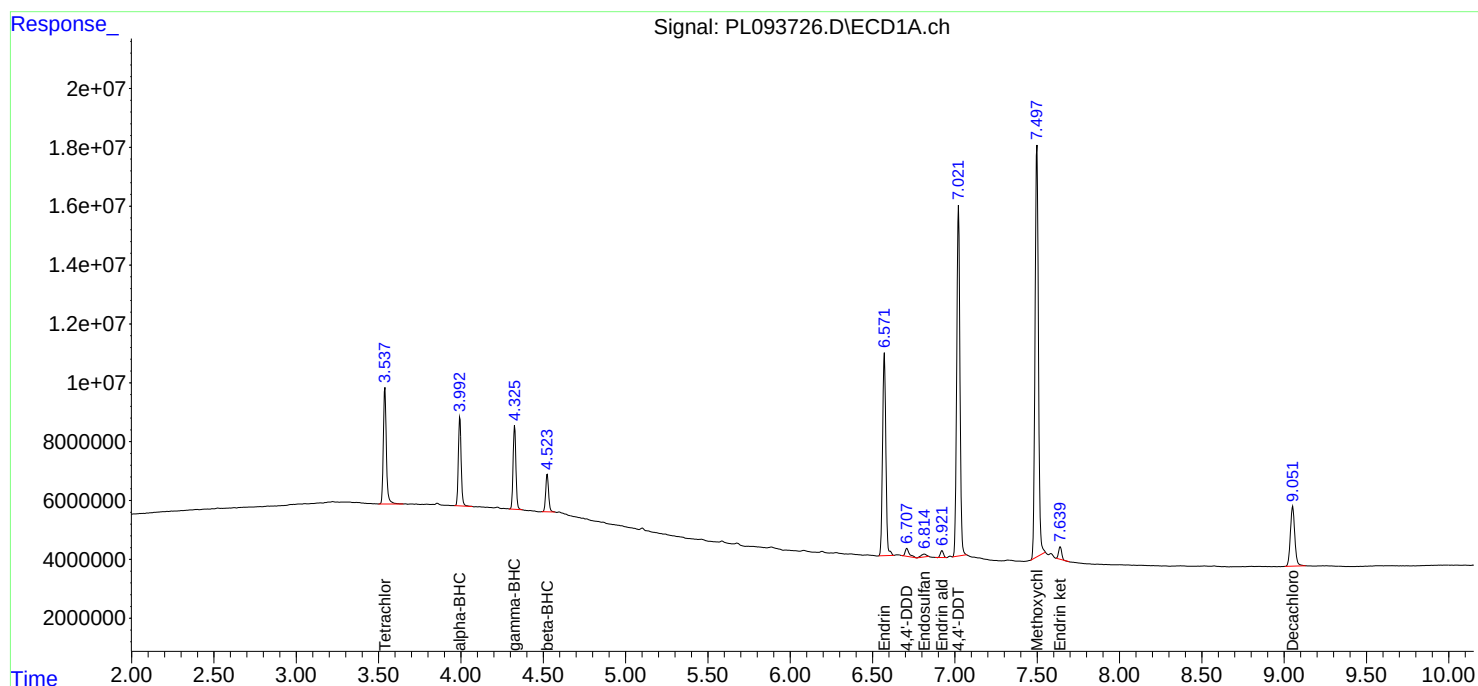
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

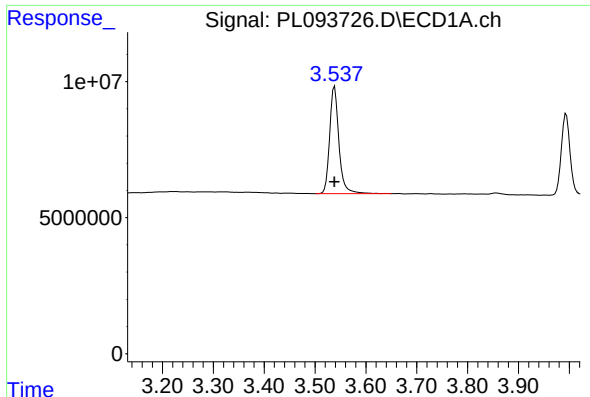
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

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

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

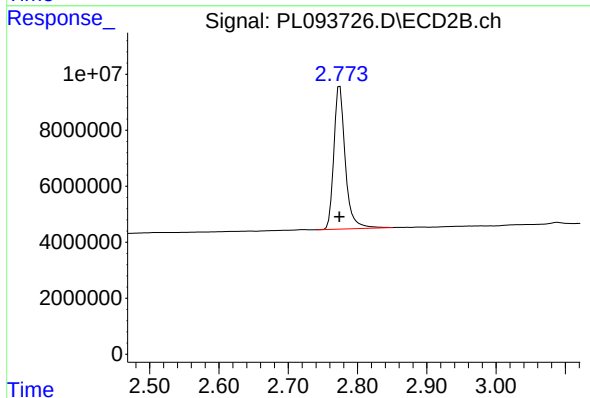




#1 Tetrachloro-m-xylene

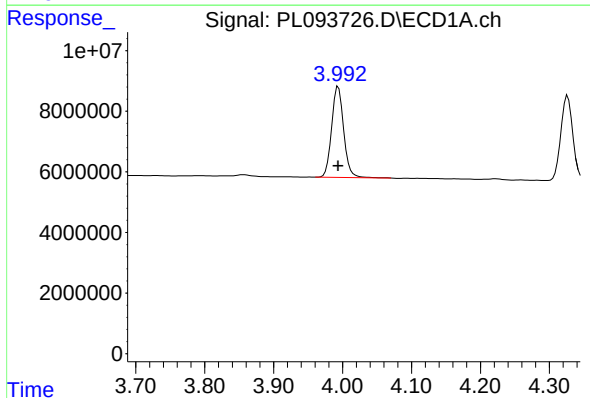
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



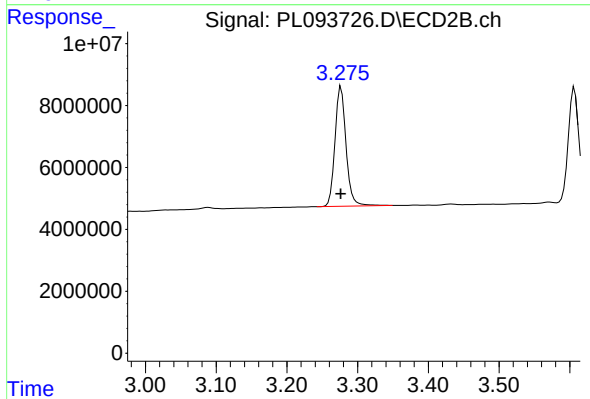
#1 Tetrachloro-m-xylene

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



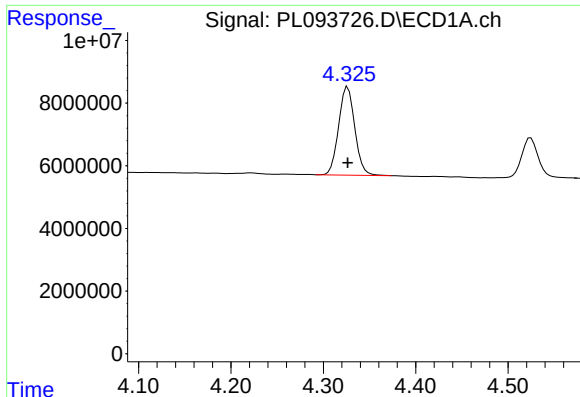
#2 alpha-BHC

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



#2 alpha-BHC

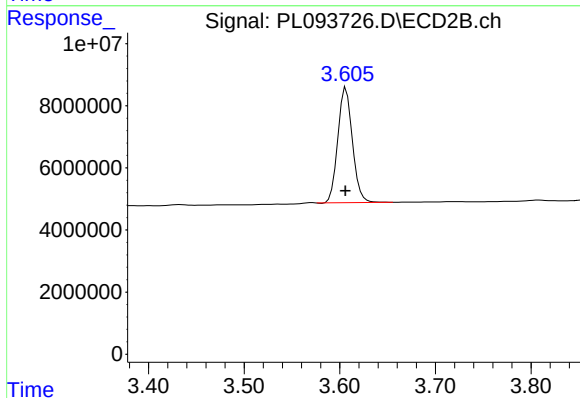
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



#3 gamma-BHC (Lindane)

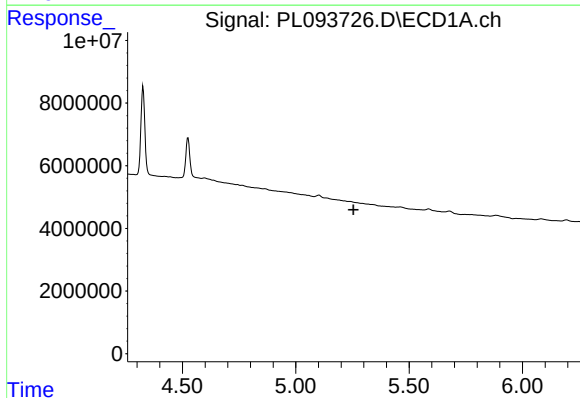
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



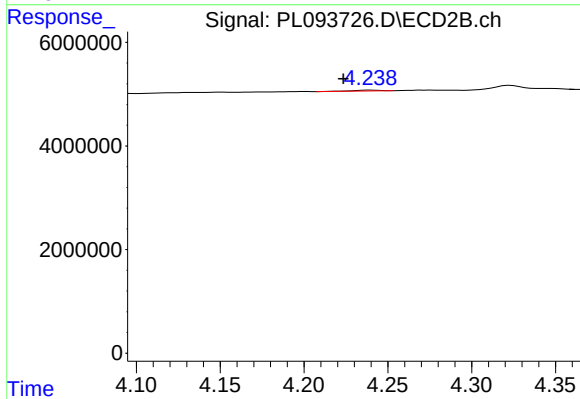
#3 gamma-BHC (Lindane)

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



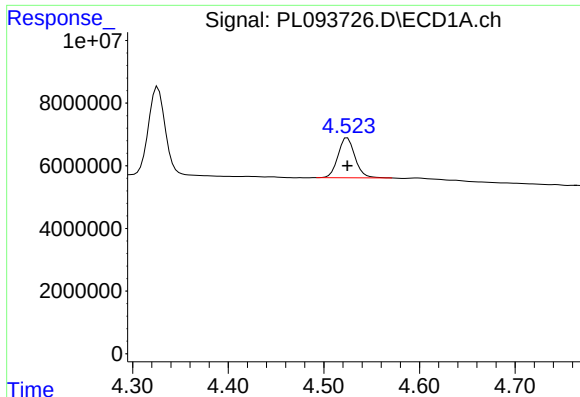
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

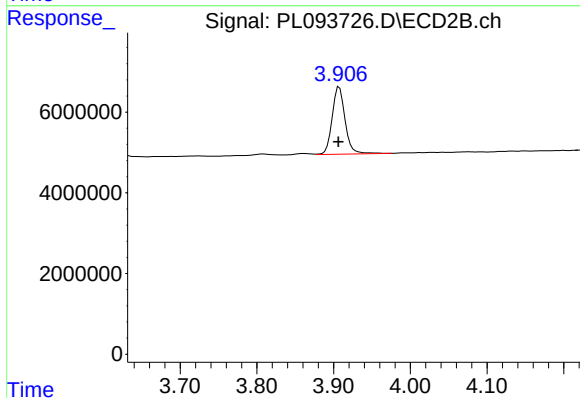
R.T.: 4.240 min
Delta R.T.: 0.017 min
Response: 192050
Conc: 0.04 ng/ml



#6 beta-BHC

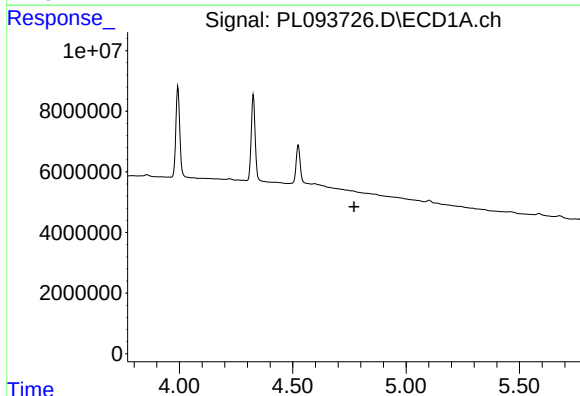
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



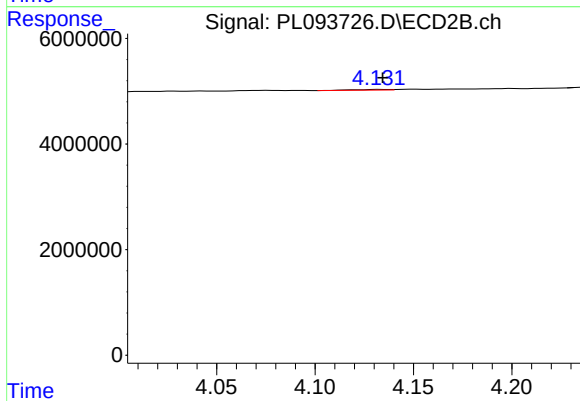
#6 beta-BHC

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



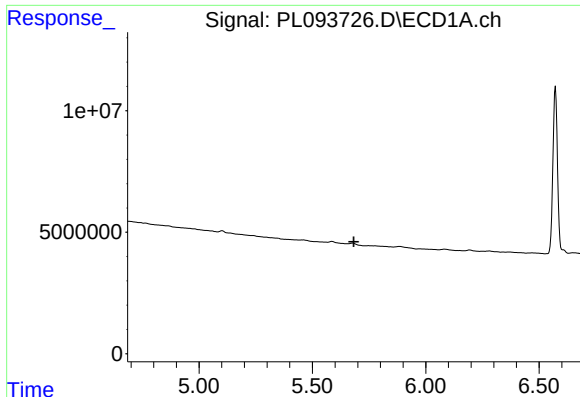
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.771 min
Response: 0
Conc: N.D.



#7 delta-BHC

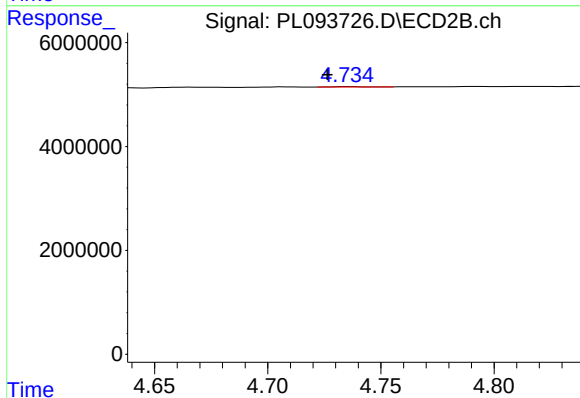
R.T.: 4.133 min
Delta R.T.: -0.002 min
Response: 143143
Conc: 0.03 ng/ml



#8 Heptachlor epoxide

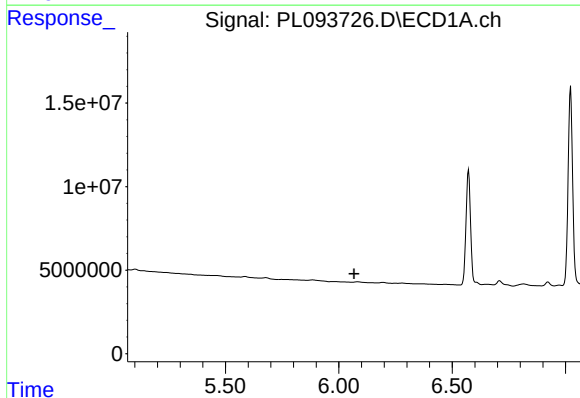
R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



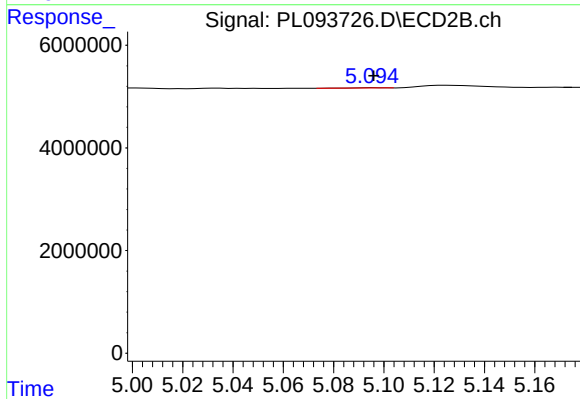
#8 Heptachlor epoxide

R.T.: 4.735 min
Delta R.T.: 0.009 min
Response: 88960
Conc: 0.02 ng/ml



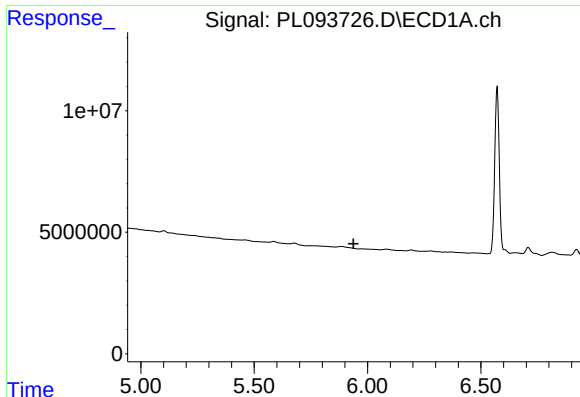
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.068 min
Response: 0
Conc: N.D.



#9 Endosulfan I

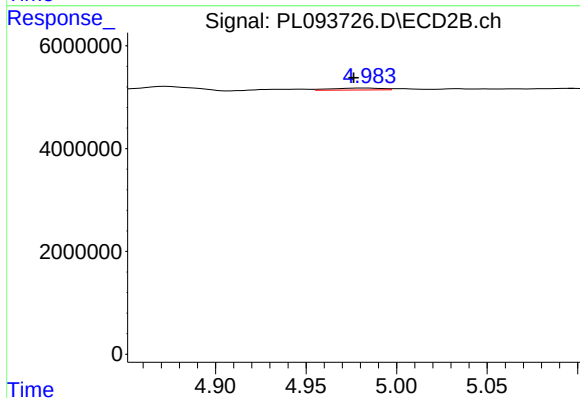
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 44117
Conc: 0.01 ng/ml



#10 gamma-Chlordane

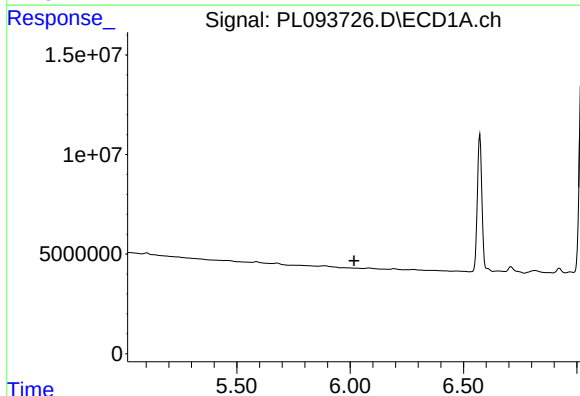
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



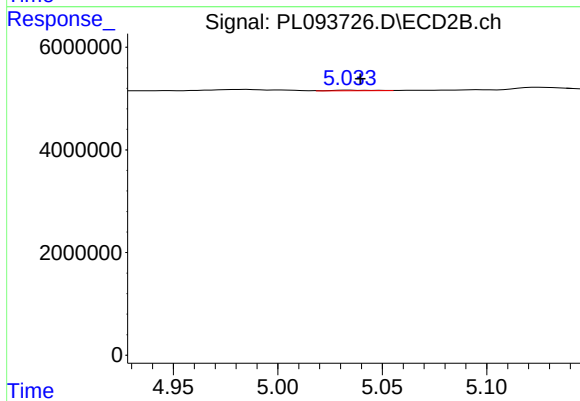
#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.007 min
Response: 751320
Conc: 0.18 ng/ml



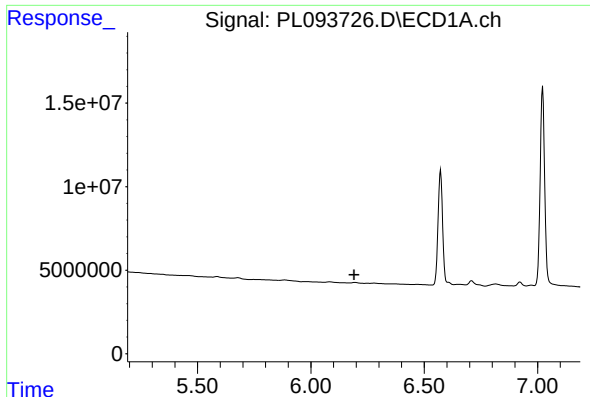
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

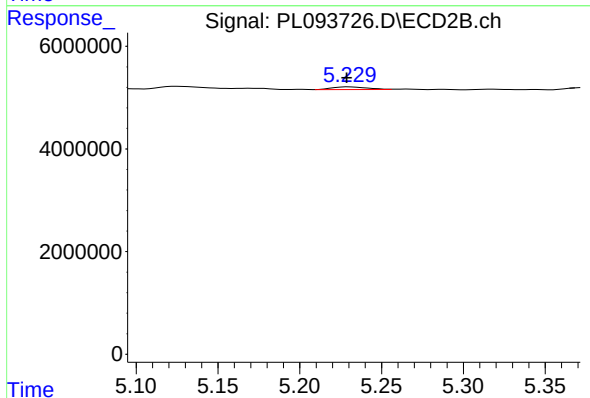
R.T.: 5.034 min
Delta R.T.: -0.005 min
Response: 155684
Conc: 0.04 ng/ml



#12 4,4'-DDE

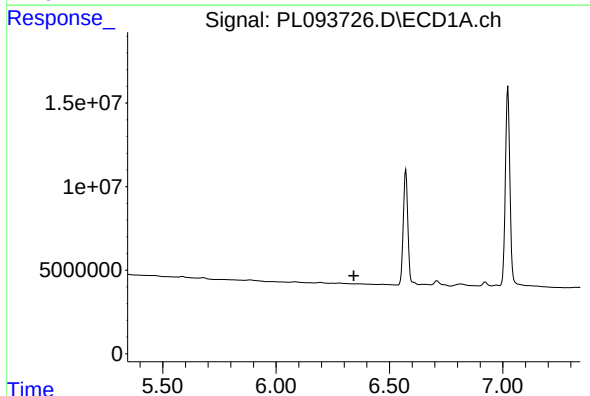
R.T.: 0.000 min
Exp R.T.: 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



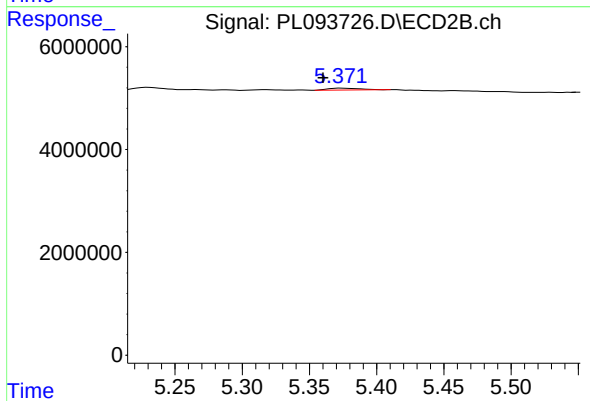
#12 4,4'-DDE

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



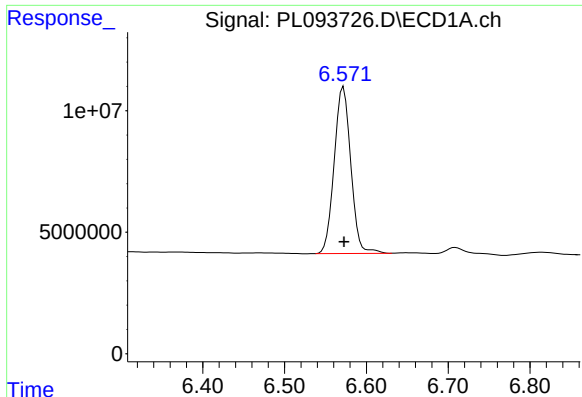
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

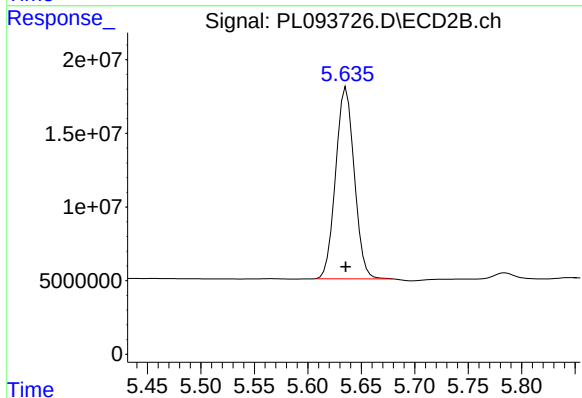
R.T.: 5.373 min
Delta R.T.: 0.013 min
Response: 563362
Conc: 0.13 ng/ml



#14 Endrin

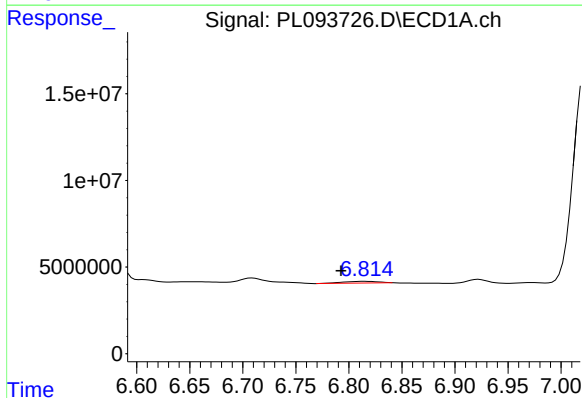
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



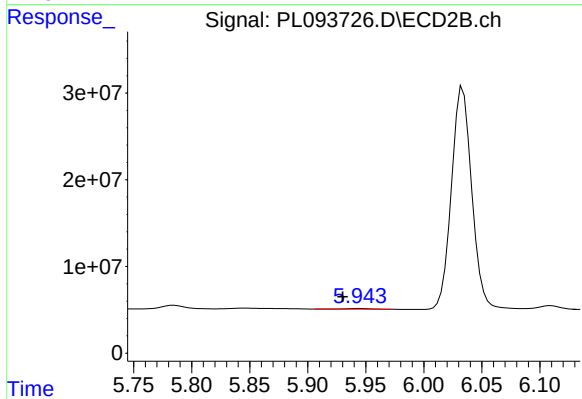
#14 Endrin

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



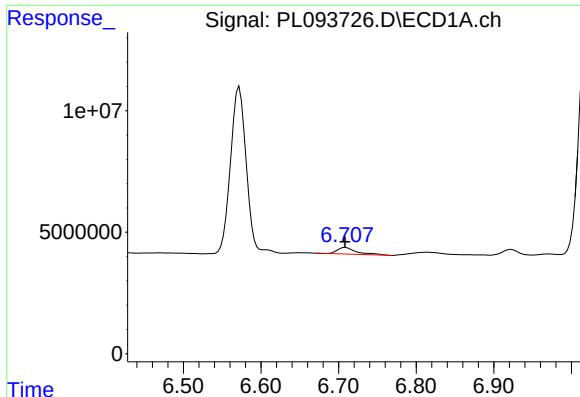
#15 Endosulfan II

R.T.: 6.815 min
Delta R.T.: 0.023 min
Response: 2199409
Conc: 0.91 ng/ml



#15 Endosulfan II

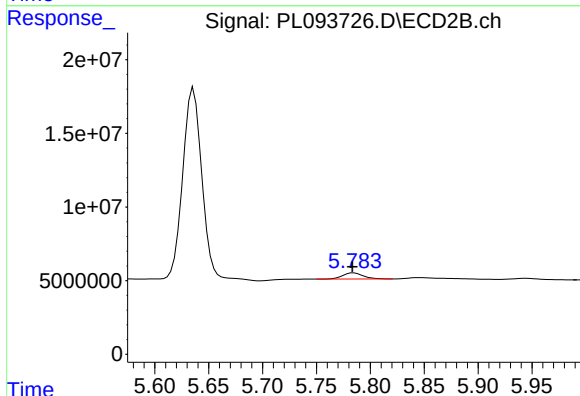
R.T.: 5.944 min
Delta R.T.: 0.014 min
Response: 1088029
Conc: 0.29 ng/ml



#16 4,4'-DDD

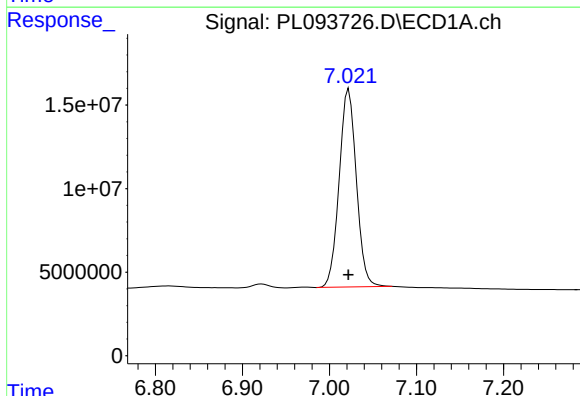
R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 4693579
Conc: 2.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



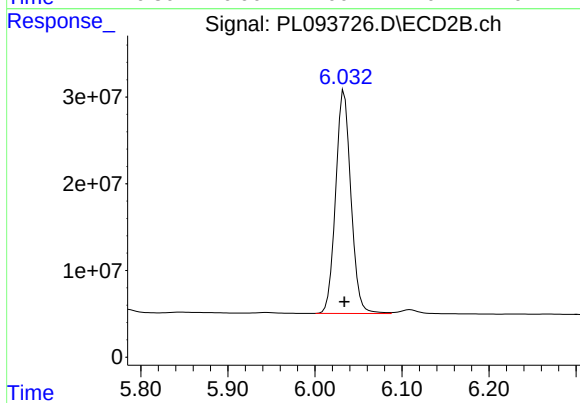
#16 4,4'-DDD

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



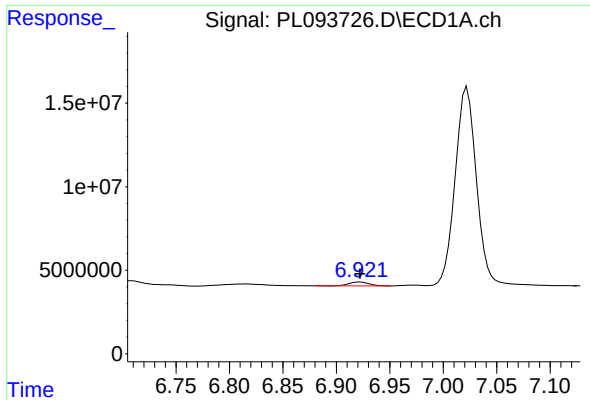
#17 4,4'-DDT

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



#17 4,4'-DDT

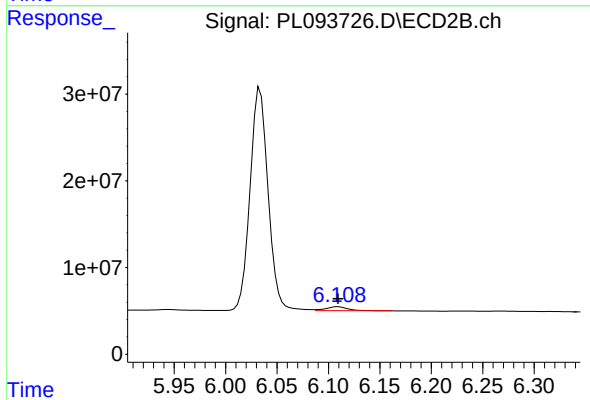
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



#18 Endrin aldehyde

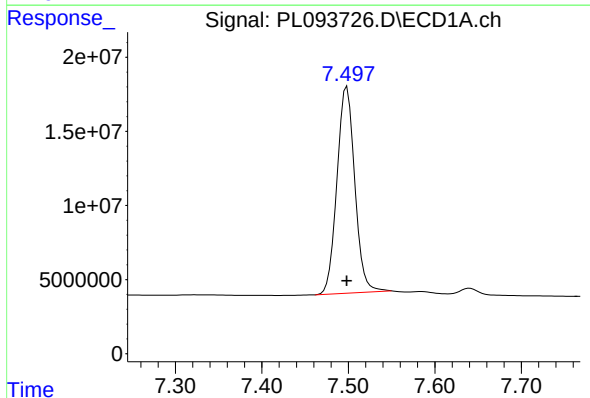
R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 2964016
Conc: 1.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



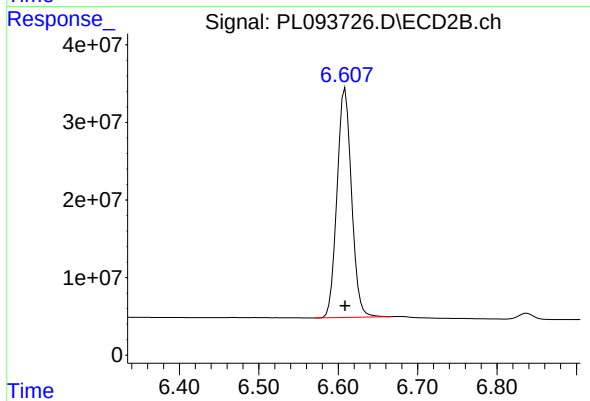
#18 Endrin aldehyde

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



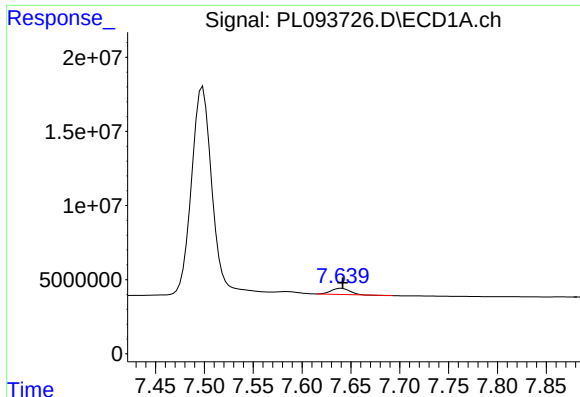
#20 Methoxychlor

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



#20 Methoxychlor

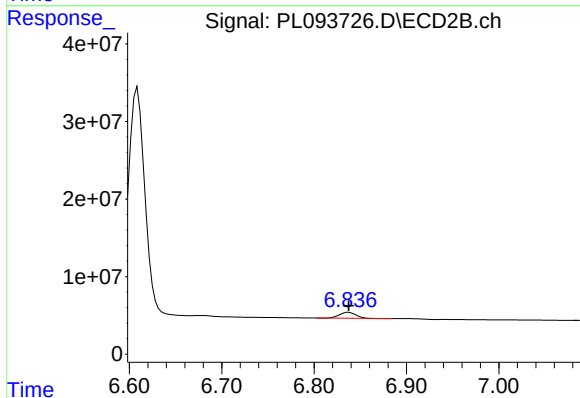
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



#21 Endrin ketone

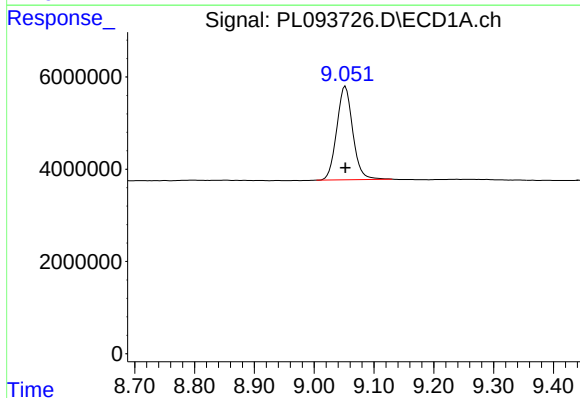
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



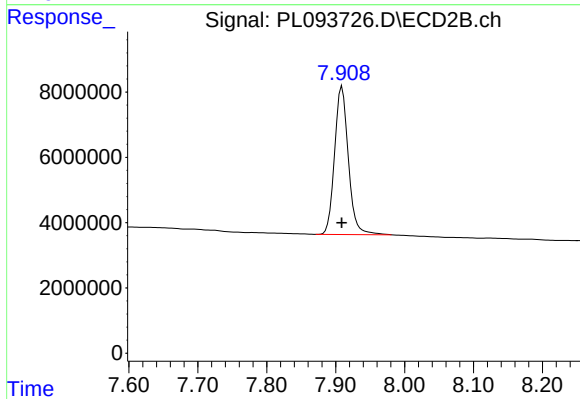
#21 Endrin ketone

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



#28 Decachlorobiphenyl

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



#28 Decachlorobiphenyl

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 11:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:10:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	51607884	64020293	19.165	19.613
28)	SA Decachlor...	9.049	7.904	41276295	72473467	19.731	20.683
Target Compounds							
2)	A alpha-BHC	3.993	3.273	38890686	46113361	10.144	9.432
3)	MA gamma-BHC...	4.325	3.603	36529552	43443921	9.919	9.163
5)	MB Aldrin	0.000	4.237	0	171227	N.D.	0.038 #
6)	B beta-BHC	4.523	3.904	16598250	20994292	10.327	10.511
7)	B delta-BHC	0.000	4.131	0	269647	N.D.	0.057 #
8)	B Heptachlo...	0.000	4.728	0	139711	N.D.	0.033 #
9)	A Endosulfan I	0.000	5.090	0	139166	N.D.	0.036 #
10)	B gamma-Chl...	0.000	4.979	0	888592	N.D.	0.210 #
11)	B alpha-Chl...	0.000	5.013f	0	166638	N.D.	0.040 #
12)	B 4,4'-DDE	0.000	5.228	0	851552	N.D.	0.212 #
13)	MA Dieldrin	0.000	5.373	0	101714	N.D.	0.024 #
14)	MA Endrin	6.570	5.632	110.1E6	184.5E6	46.944	49.956
15)	B Endosulfa...	0.000	5.941	0	1255794	N.D.	0.339 #
16)	A 4,4'-DDD	0.000	5.782	0	3119383	N.D.	0.988 #
17)	MA 4,4'-DDT	7.020	6.030	183.5E6	370.5E6	93.060	113.873
18)	B Endrin al...	6.920	6.106	2730868	6550770	1.405	2.152 #
20)	A Methoxychlor	7.497	6.605	220.0E6	444.0E6	210.883	248.301
21)	B Endrin ke...	7.639	6.834	4728201	8405201	1.874	2.004
22)	Mirex	0.000	7.042f	0	408308	N.D.	0.121 #
23)	Chlordane-1	0.000	3.764	0	8554	N.D.	0.069 #
24)	Chlordane-2	0.000	4.357	0	67291	N.D.	0.459 #
25)	Chlordane-3	0.000	4.979	0	888592	N.D.	2.044 #
26)	Chlordane-4	0.000	5.013f	0	166638	N.D.	0.393 #
27)	Chlordane-5	0.000	5.941	0	1255794	N.D.	8.199 #

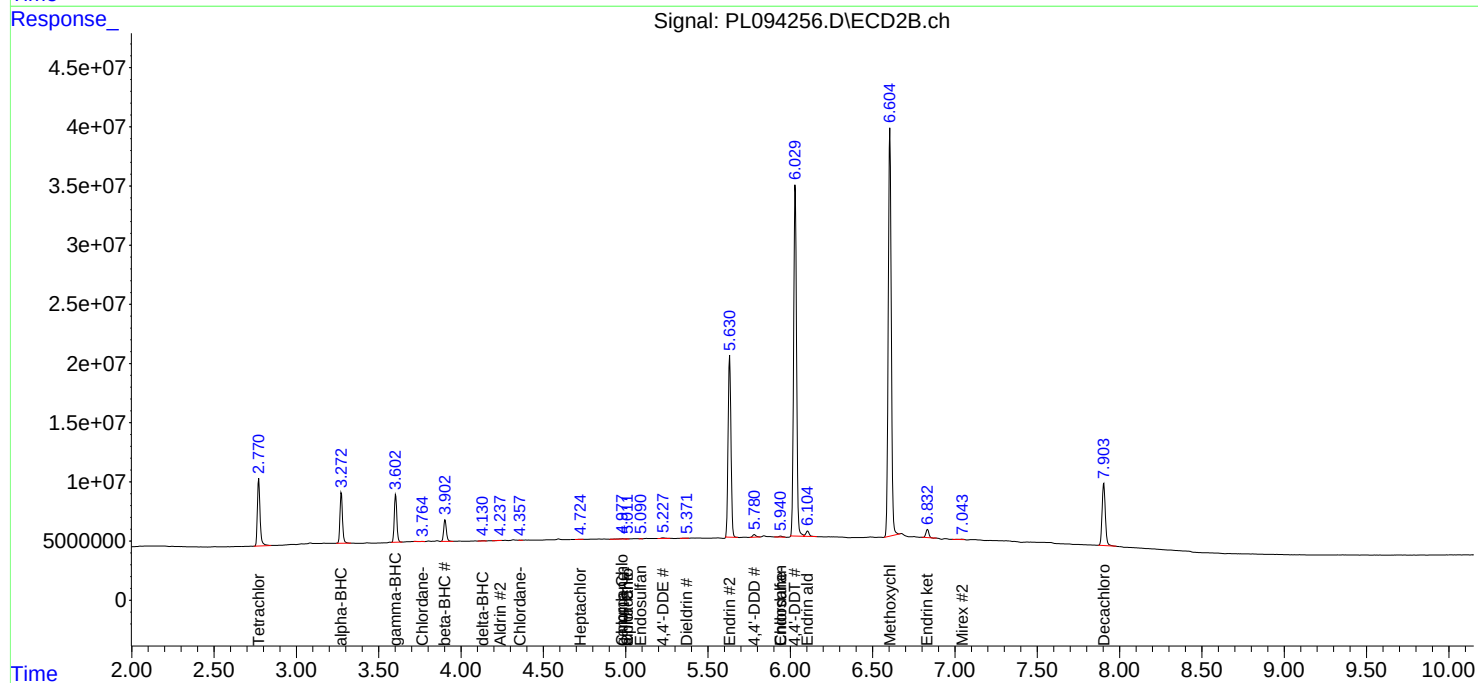
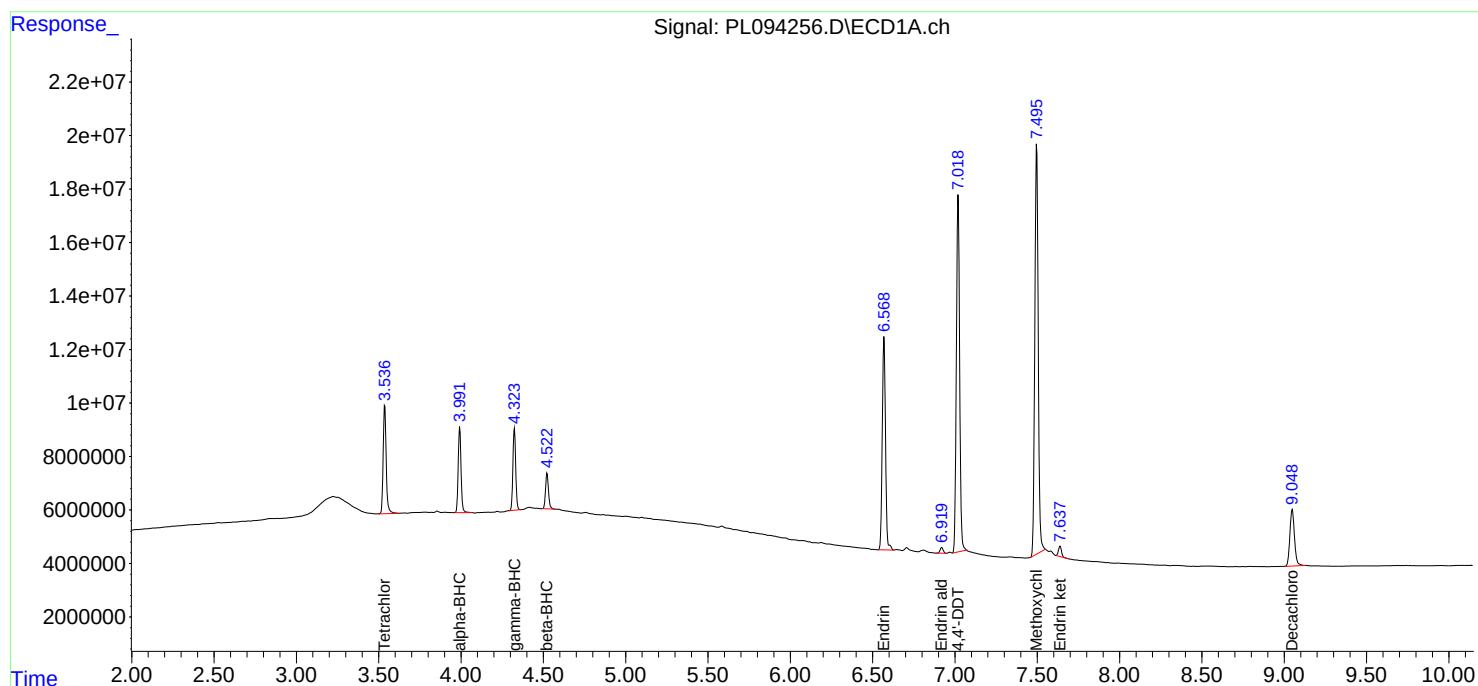
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

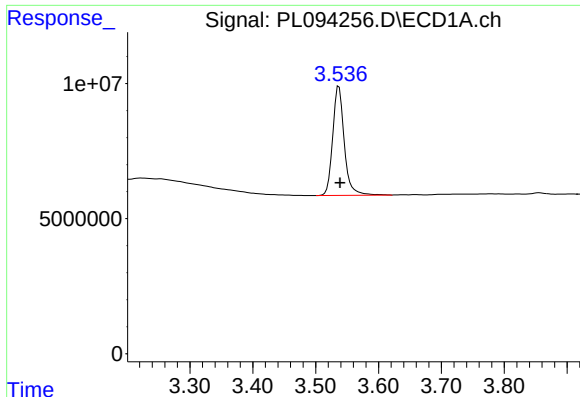
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

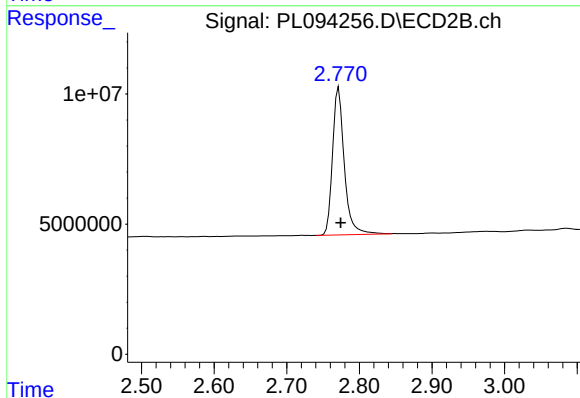




#1 Tetrachloro-m-xylene

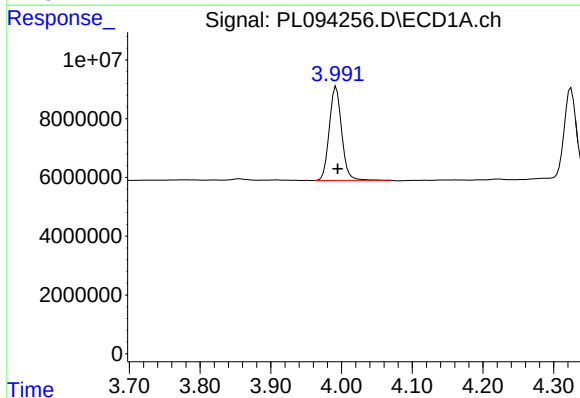
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 51607884
Conc: 19.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



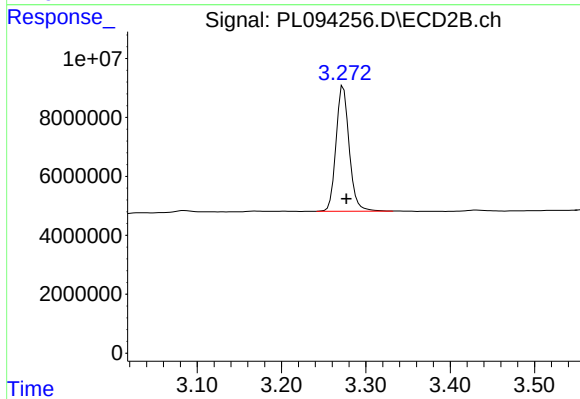
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 64020293
Conc: 19.61 ng/ml



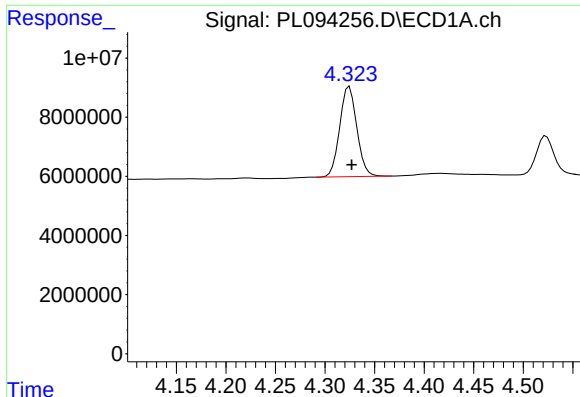
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 38890686
Conc: 10.14 ng/ml



#2 alpha-BHC

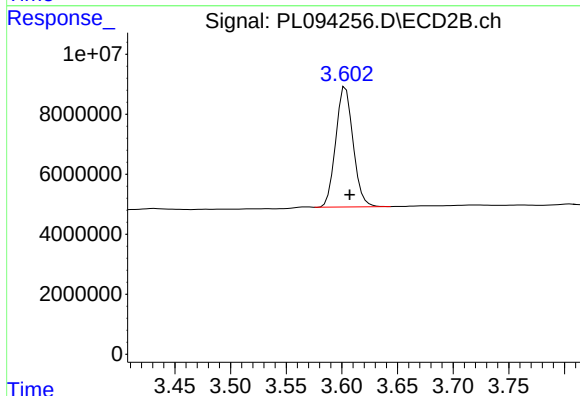
R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 46113361
Conc: 9.43 ng/ml



#3 gamma-BHC (Lindane)

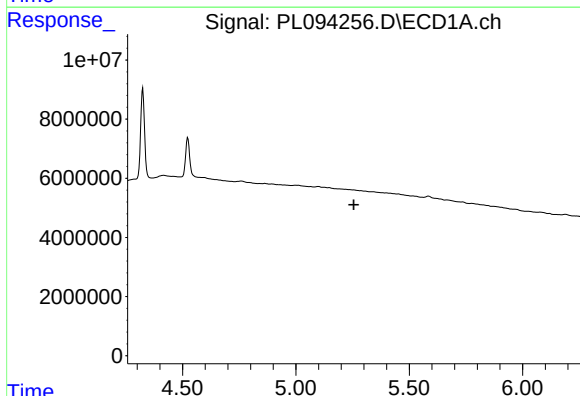
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 36529552
Conc: 9.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



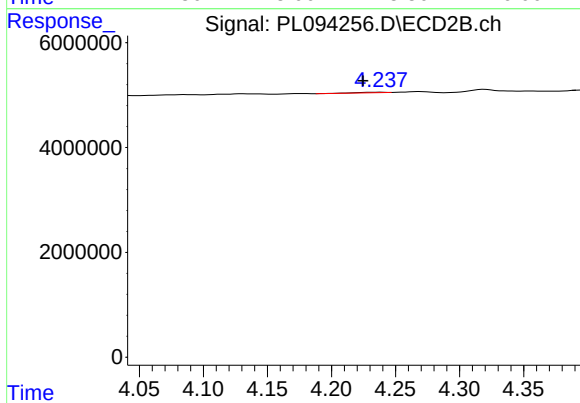
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 43443921
Conc: 9.16 ng/ml



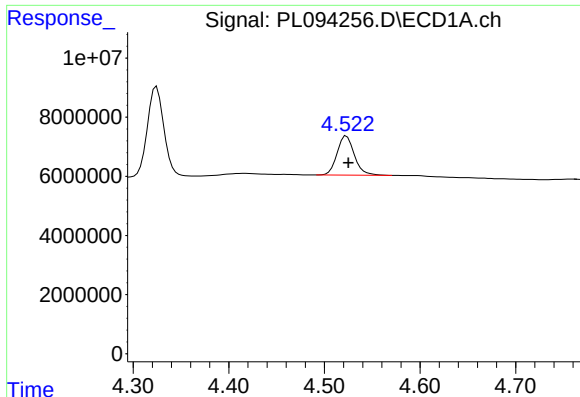
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

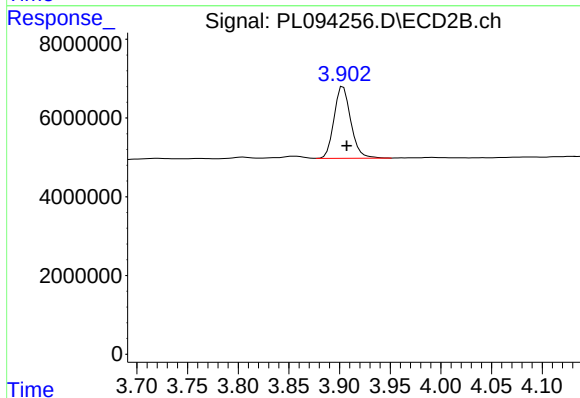
R.T.: 4.237 min
Delta R.T.: 0.012 min
Response: 171227
Conc: 0.04 ng/ml



#6 beta-BHC

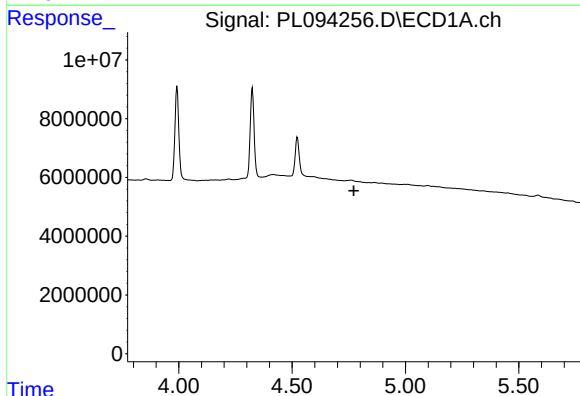
R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 16598250
Conc: 10.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



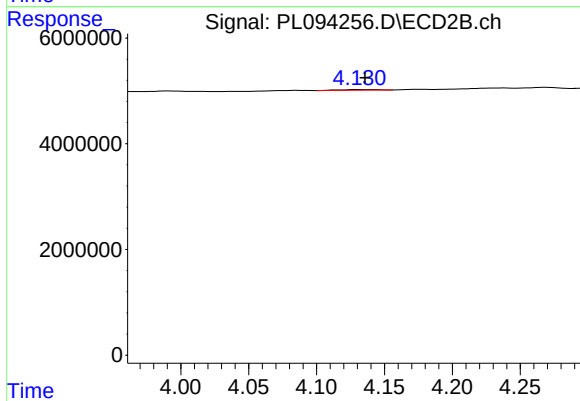
#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 20994292
Conc: 10.51 ng/ml



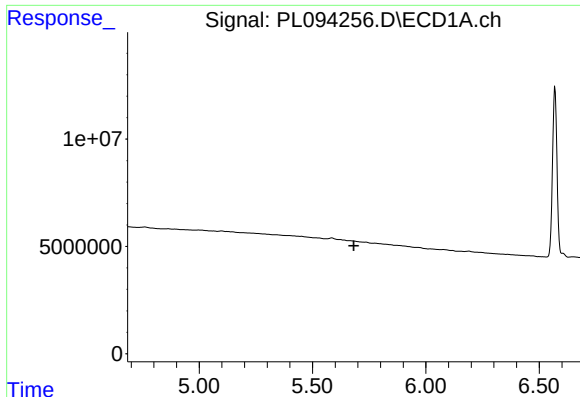
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.



#7 delta-BHC

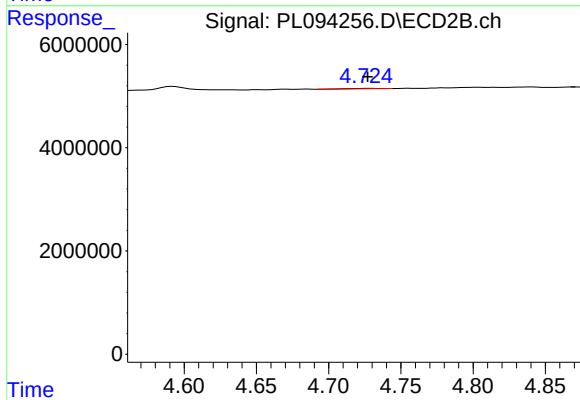
R.T.: 4.131 min
Delta R.T.: -0.005 min
Response: 269647
Conc: 0.06 ng/ml



#8 Heptachlor epoxide

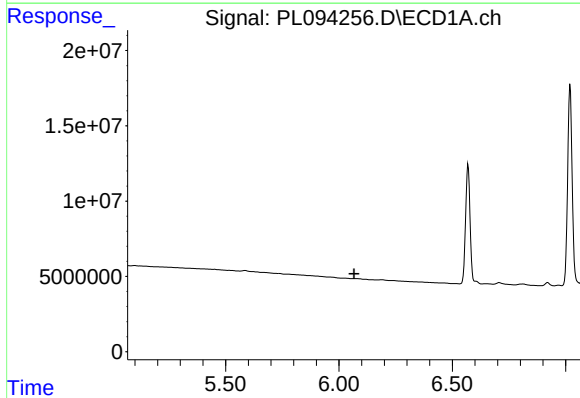
R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



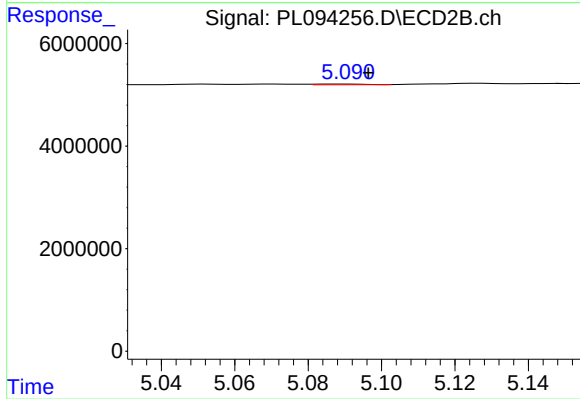
#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: 0.001 min
Response: 139711
Conc: 0.03 ng/ml



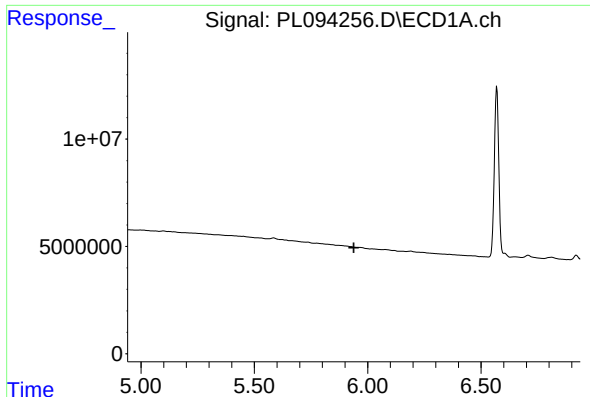
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

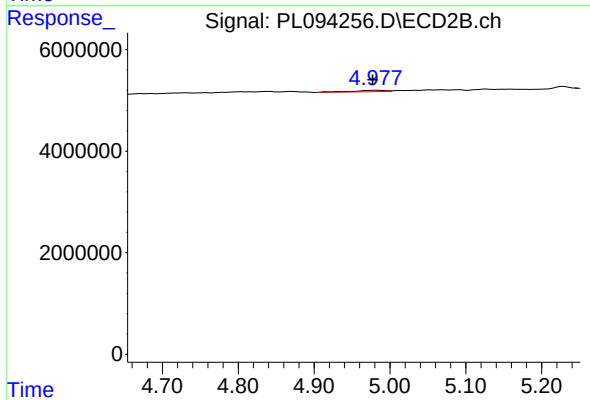
R.T.: 5.090 min
Delta R.T.: -0.006 min
Response: 139166
Conc: 0.04 ng/ml



#10 gamma-Chlordane

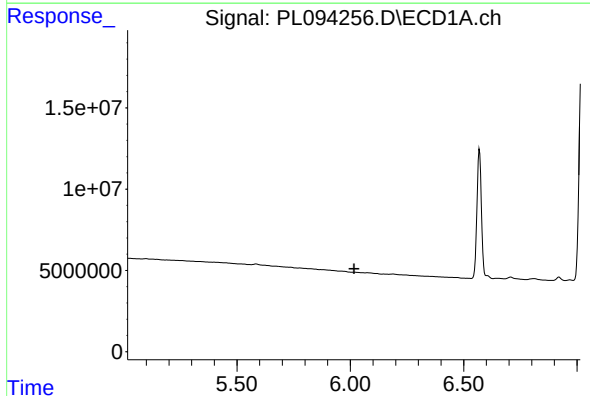
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



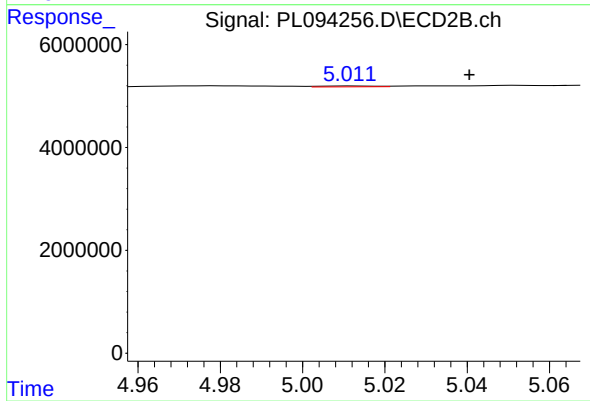
#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 888592
Conc: 0.21 ng/ml



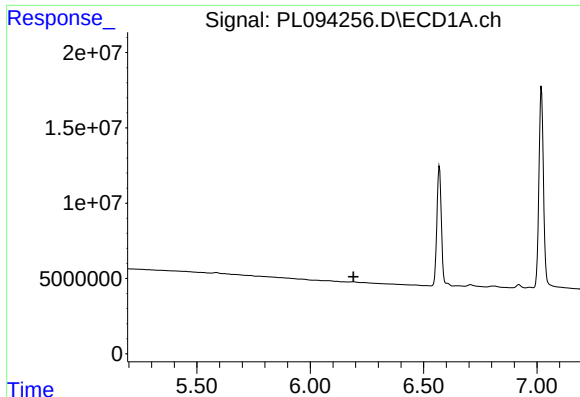
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

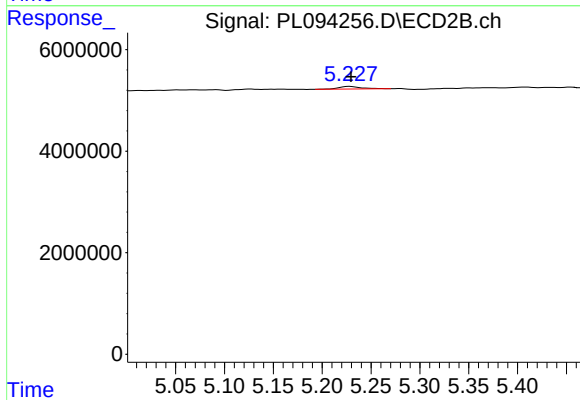
R.T.: 5.013 min
Delta R.T.: -0.027 min
Response: 166638
Conc: 0.04 ng/ml



#12 4,4'-DDE

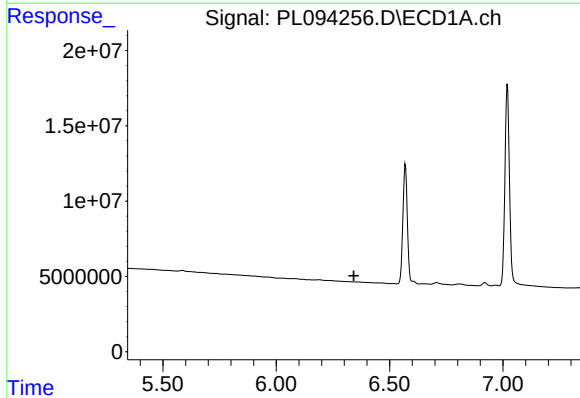
R.T.: 0.000 min
Exp R.T.: 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



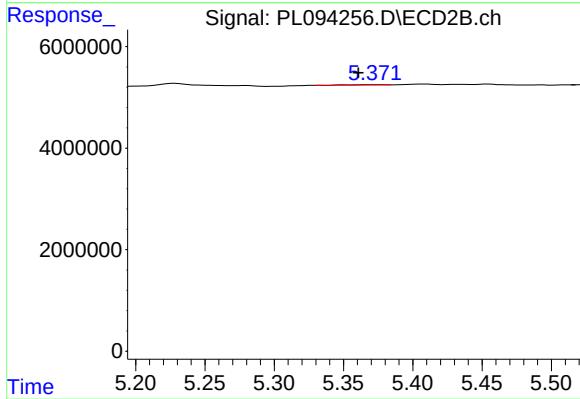
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 851552
Conc: 0.21 ng/ml



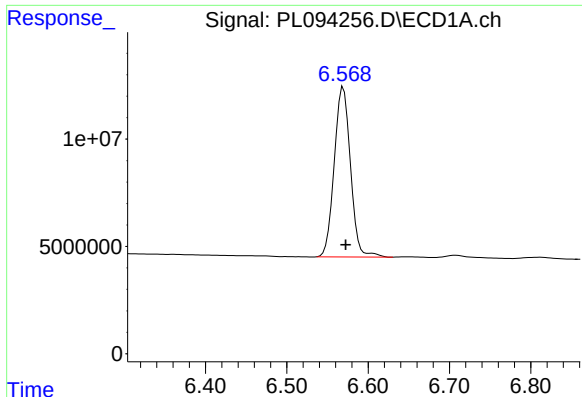
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

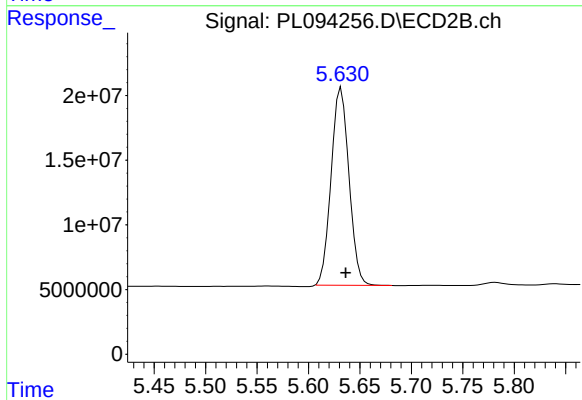
R.T.: 5.373 min
Delta R.T.: 0.012 min
Response: 101714
Conc: 0.02 ng/ml



#14 Endrin

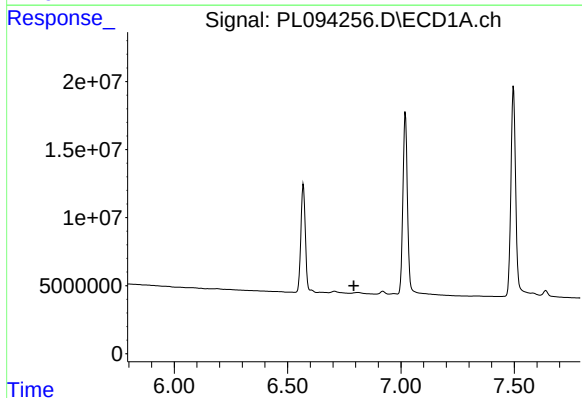
R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 110075711
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



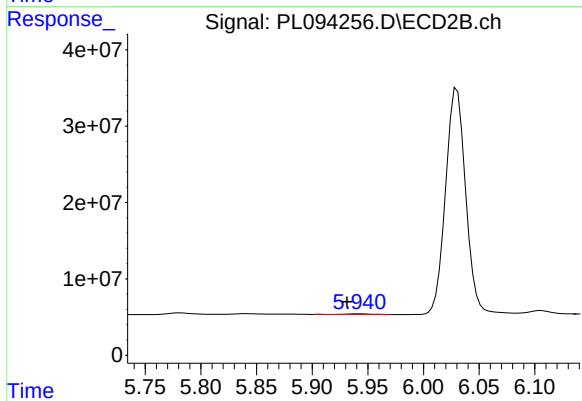
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 184472358
Conc: 49.96 ng/ml



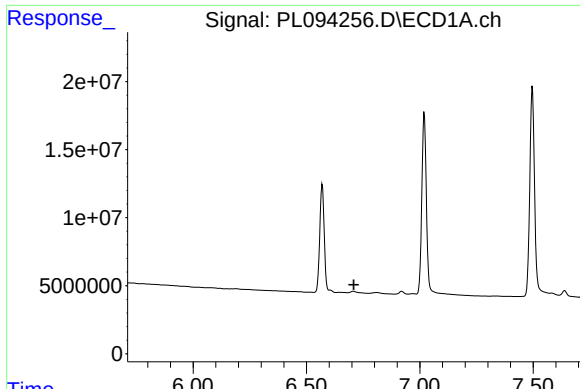
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

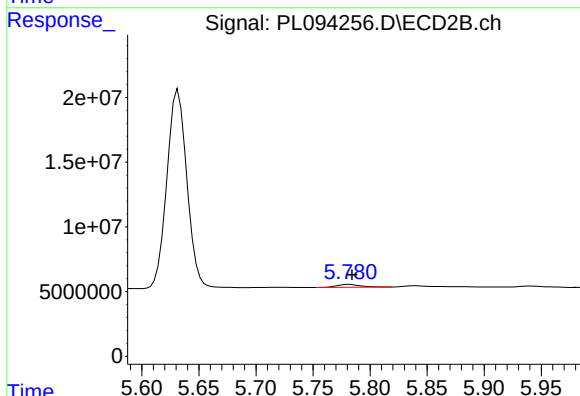
R.T.: 5.941 min
Delta R.T.: 0.010 min
Response: 1255794
Conc: 0.34 ng/ml



#16 4,4'-DDD

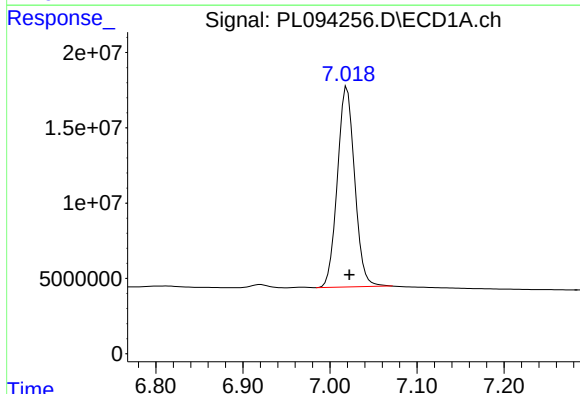
R.T.: 0.000 min
Exp R.T.: 6.708 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



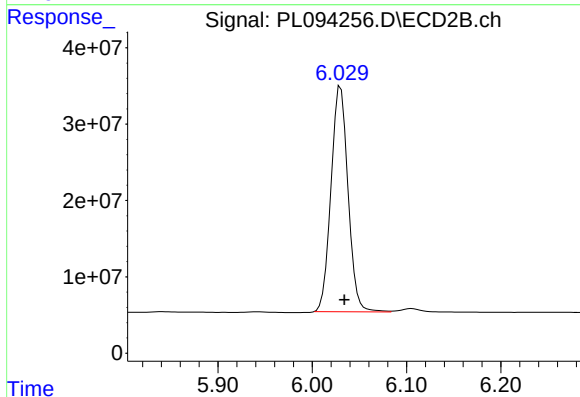
#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 3119383
Conc: 0.99 ng/ml



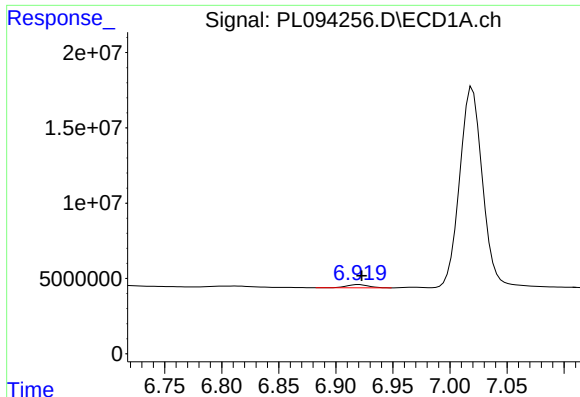
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 183519966
Conc: 93.06 ng/ml



#17 4,4'-DDT

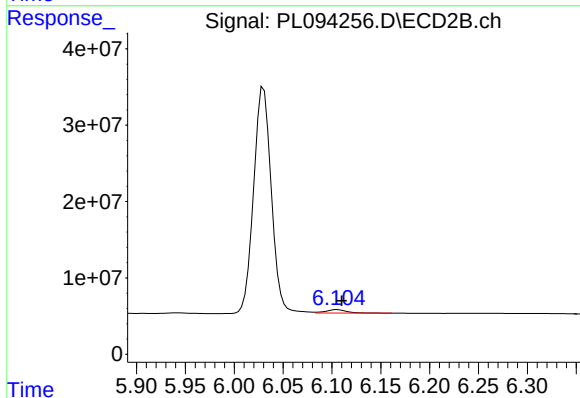
R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 370548975
Conc: 113.87 ng/ml



#18 Endrin aldehyde

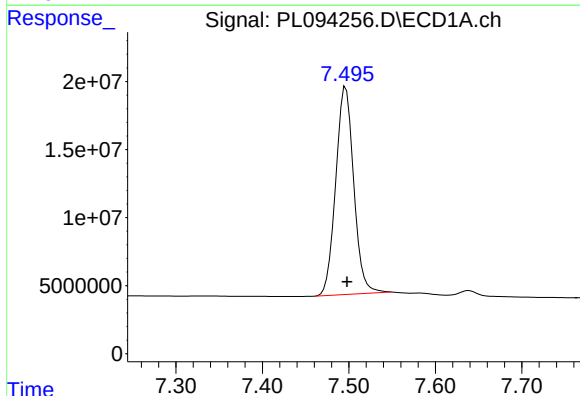
R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 2730868
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



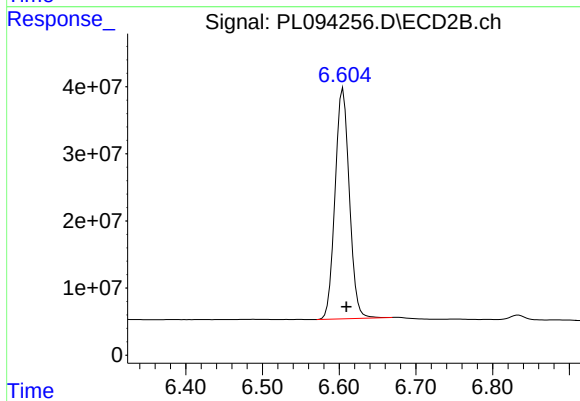
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.005 min
Response: 6550770
Conc: 2.15 ng/ml



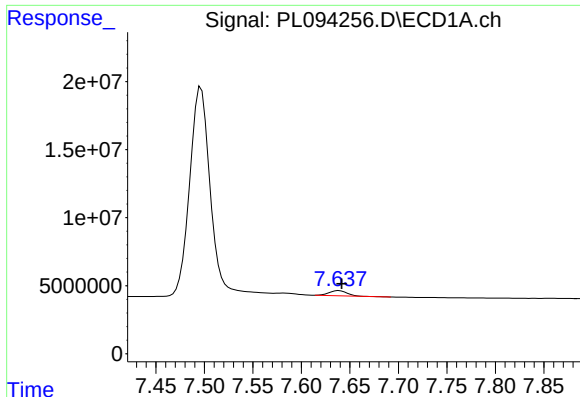
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 220034925
Conc: 210.88 ng/ml



#20 Methoxychlor

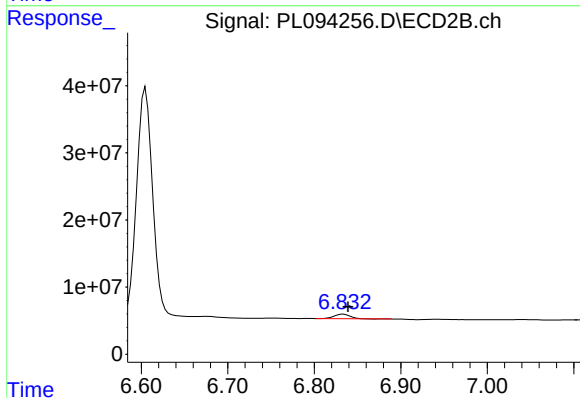
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 443996355
Conc: 248.30 ng/ml



#21 Endrin ketone

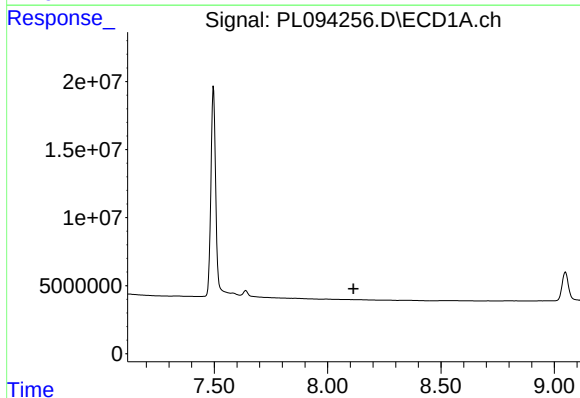
R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 4728201
Conc: 1.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



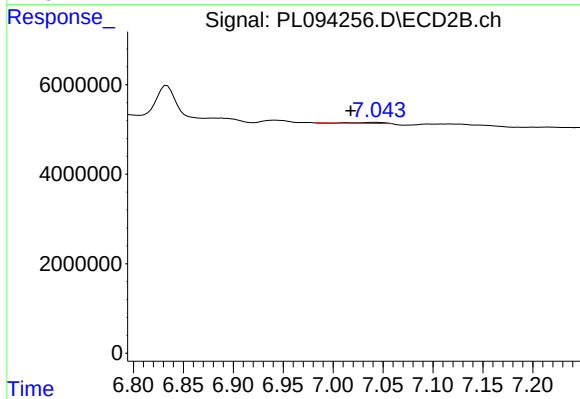
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 8405201
Conc: 2.00 ng/ml



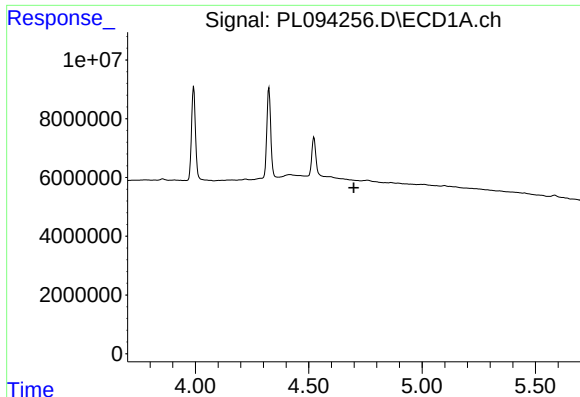
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

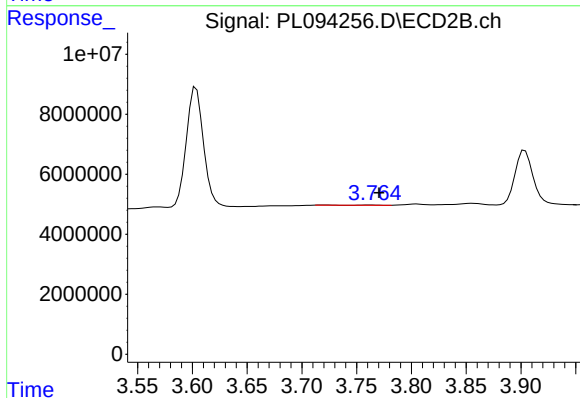
R.T.: 7.042 min
Delta R.T.: 0.024 min
Response: 408308
Conc: 0.12 ng/ml



#23 Chlordane-1

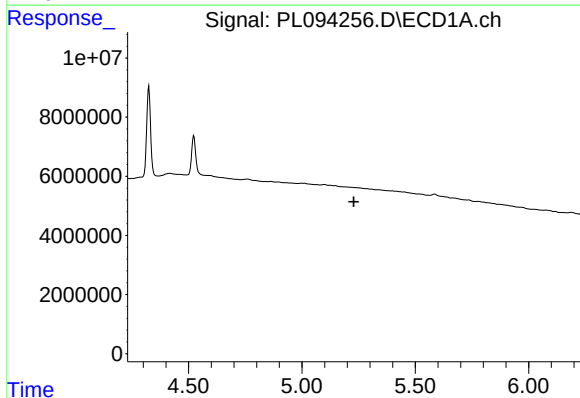
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



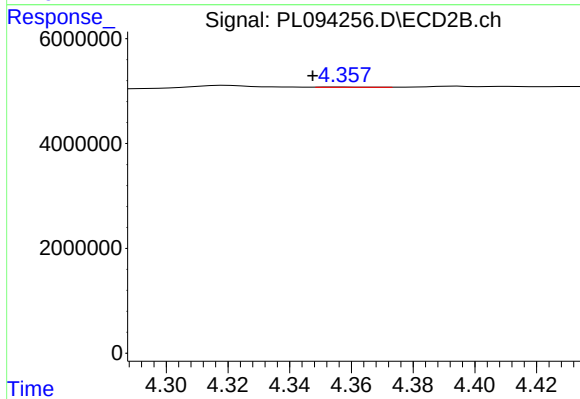
#23 Chlordane-1

R.T.: 3.764 min
Delta R.T.: -0.007 min
Response: 8554
Conc: 0.07 ng/ml



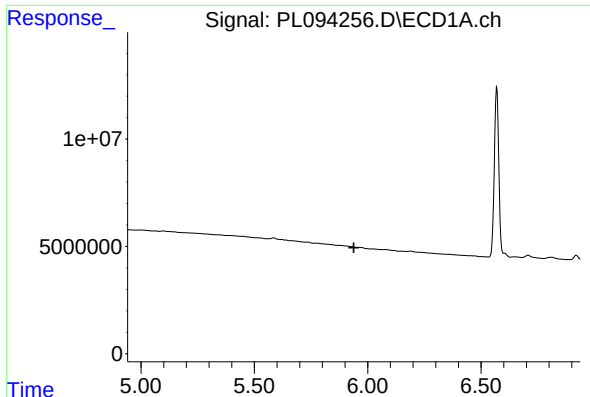
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

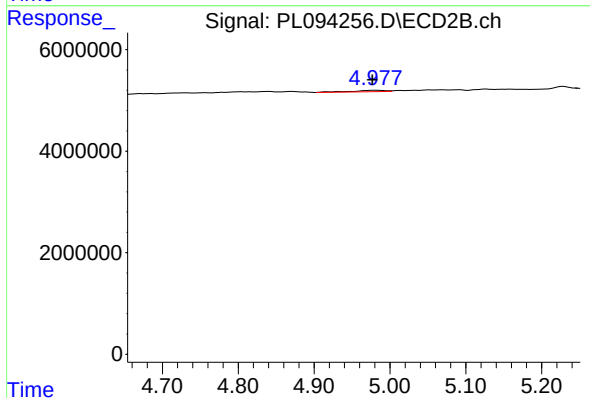
R.T.: 4.357 min
Delta R.T.: 0.010 min
Response: 67291
Conc: 0.46 ng/ml



#25 Chlordane-3

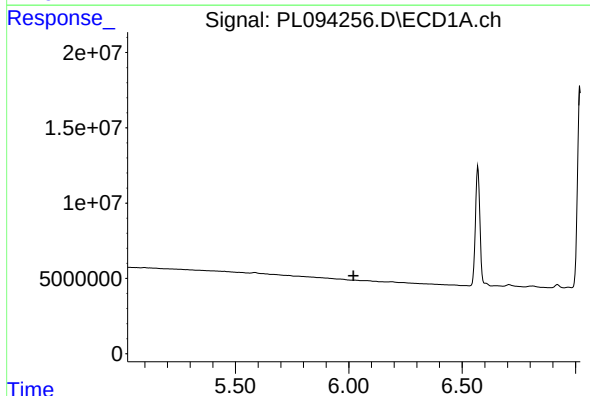
R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



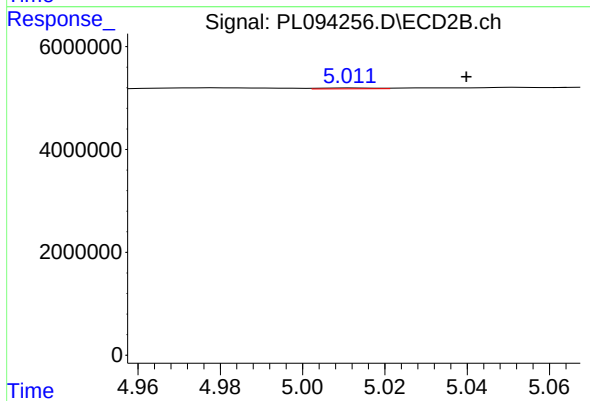
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 888592
Conc: 2.04 ng/ml



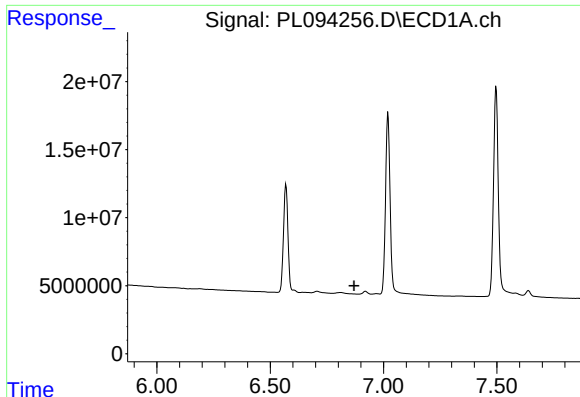
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

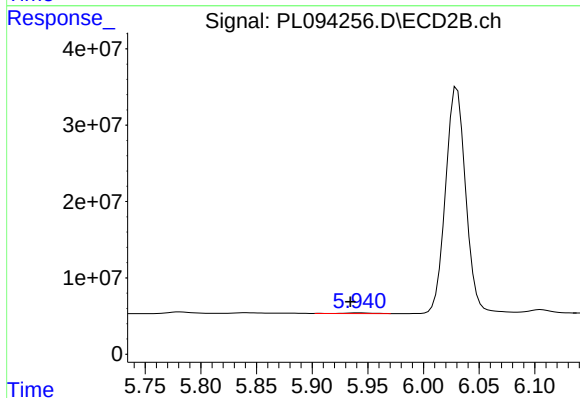
R.T.: 5.013 min
Delta R.T.: -0.027 min
Response: 166638
Conc: 0.39 ng/ml



#27 Chlordane-5

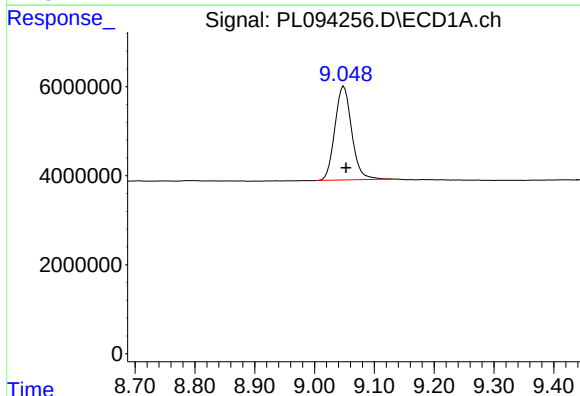
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



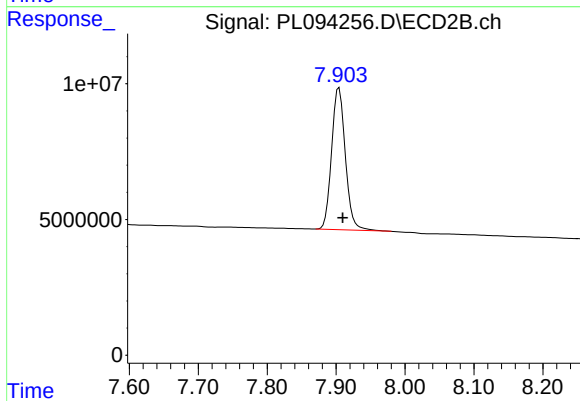
#27 Chlordane-5

R.T.: 5.941 min
Delta R.T.: 0.007 min
Response: 1255794
Conc: 8.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 41276295
Conc: 19.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.005 min
Response: 72473467
Conc: 20.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094261.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 14:51
 Operator : AR\AJ
 Sample : PB166771BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166771BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:11:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	56644945	68789373	21.036	21.074
28)	SA Decachlor...	9.050	7.905	50606872	88208911	24.192	25.173
Target Compounds							
2)	A alpha-BHC	3.993	3.274	181.1E6	245.3E6	47.249	50.180
3)	MA gamma-BHC...	4.325	3.604	174.8E6	235.5E6	47.450	49.668
4)	MA Heptachlor	4.913	3.941	170.3E6	250.9E6	51.954	53.910
5)	MB Aldrin	5.254	4.221	162.5E6	232.7E6	49.668	51.018
6)	B beta-BHC	4.524	3.904	77824335	101.7E6	48.419	50.896
7)	B delta-BHC	4.771	4.132	167.9E6	231.1E6	47.895	48.647
8)	B Heptachlo...	5.681	4.723	149.8E6	223.4E6	50.385	53.445
9)	A Endosulfan I	6.066	5.093	136.1E6	212.8E6	51.491	54.896
10)	B gamma-Chl...	5.937	4.973	147.1E6	233.6E6	52.773	55.114
11)	B alpha-Chl...	6.016	5.036	145.8E6	229.5E6	52.295	54.816
12)	B 4,4'-DDE	6.189	5.226	128.2E6	219.5E6	52.658	54.747
13)	MA Dieldrin	6.341	5.357	142.5E6	232.8E6	51.339	54.197
14)	MA Endrin	6.571	5.632	124.7E6	211.7E6	53.188	57.335
15)	B Endosulfa...	6.791	5.927	124.7E6	208.3E6	51.758	56.241
16)	A 4,4'-DDD	6.707	5.781	94978625	171.7E6	49.974	54.388
17)	MA 4,4'-DDT	7.020	6.031	107.9E6	197.0E6	54.717	60.542
18)	B Endrin al...	6.921	6.107	95590321	162.5E6	49.171	53.367
19)	B Endosulfa...	7.156	6.329	113.6E6	201.4E6	50.176	56.470
20)	A Methoxychlor	7.497	6.605	55483784	103.3E6	53.176	57.753
21)	B Endrin ke...	7.640	6.834	125.8E6	234.9E6	49.851	55.996
22)	Mirex	8.112	7.014	99610293	179.7E6	47.832	53.132
23)	Chlordane-1	0.000	3.759	0	16110	N.D.	0.129 #
24)	Chlordane-2	5.254f	4.361	162.5E6	989546	1388.036	6.744 #
25)	Chlordane-3	5.937	4.973	147.1E6	233.6E6	374.997	537.124 #
26)	Chlordane-4	6.016	5.036	145.8E6	229.5E6	310.185	541.674 #
27)	Chlordane-5	0.000	5.927	0	208.3E6	N.D.	1360.039 #

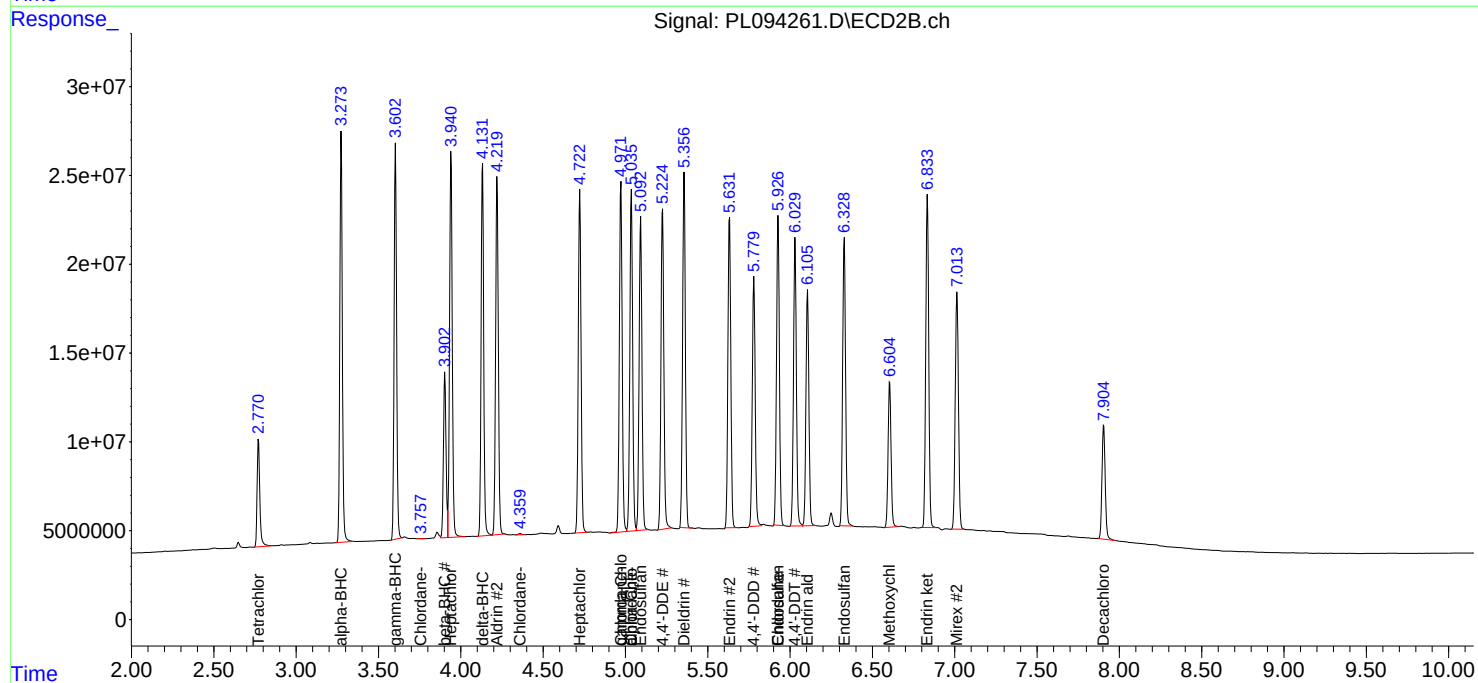
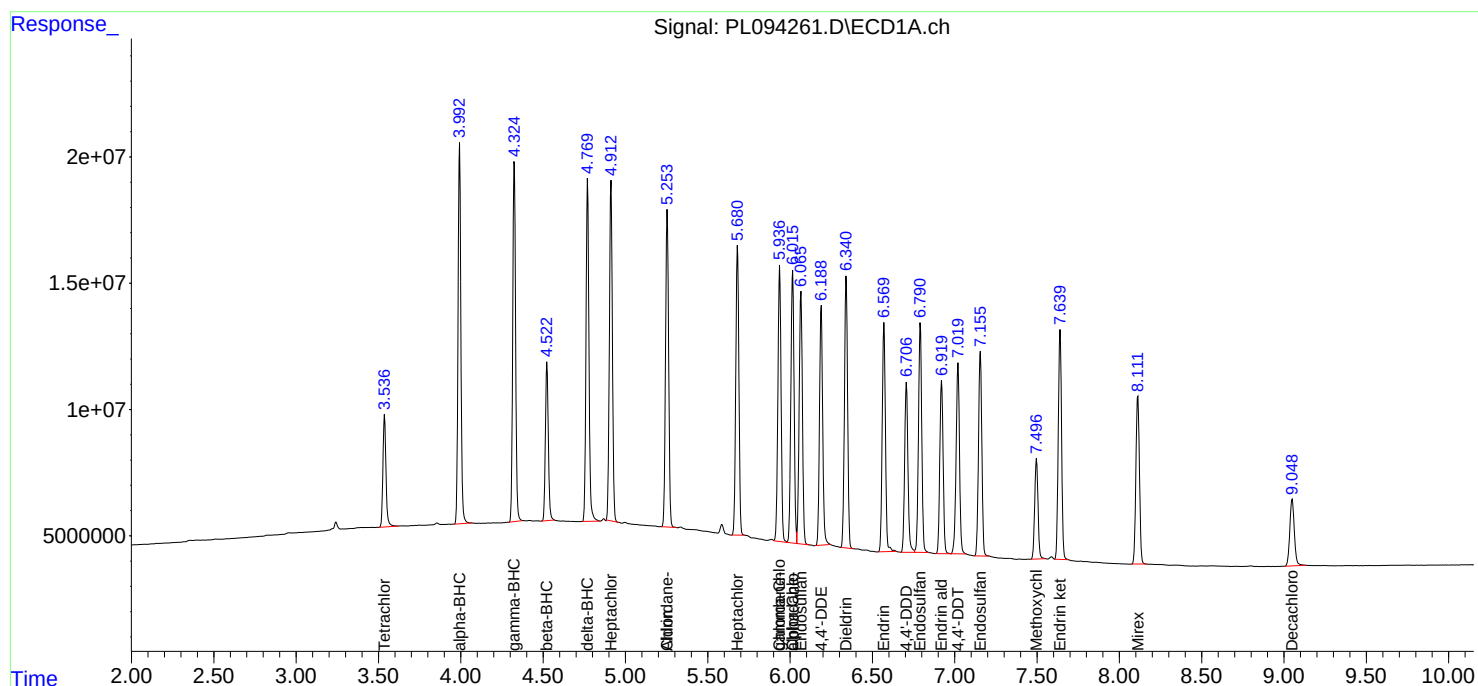
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

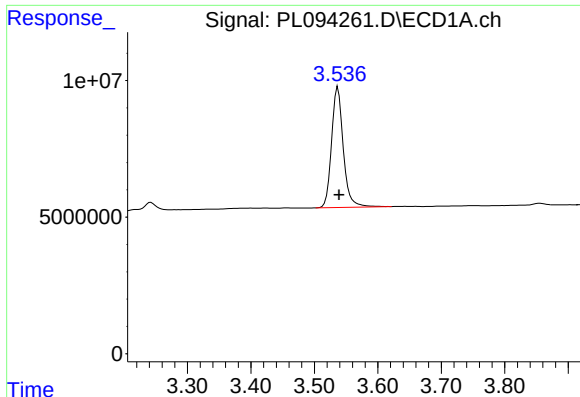
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094261.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 14:51
Operator : AR\AJ
Sample : PB166771BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166771BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:11:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

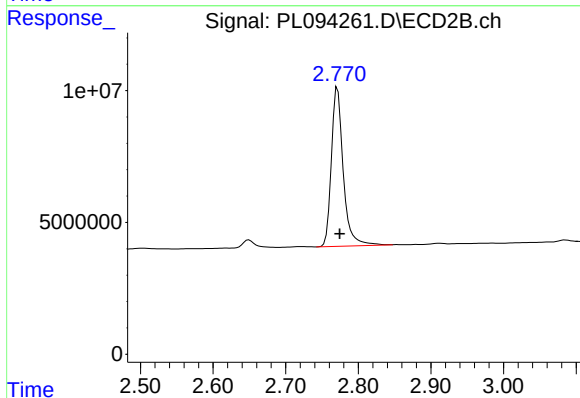




#1 Tetrachloro-m-xylene

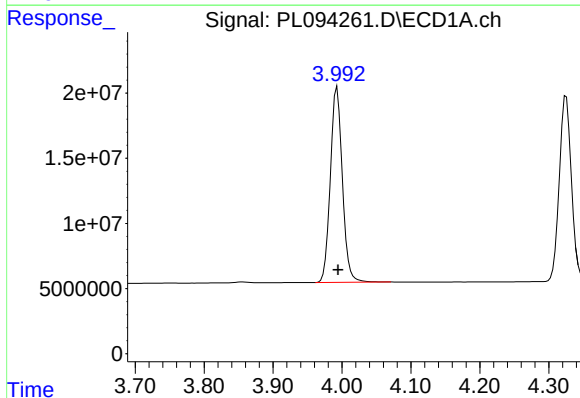
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 56644945
Conc: 21.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



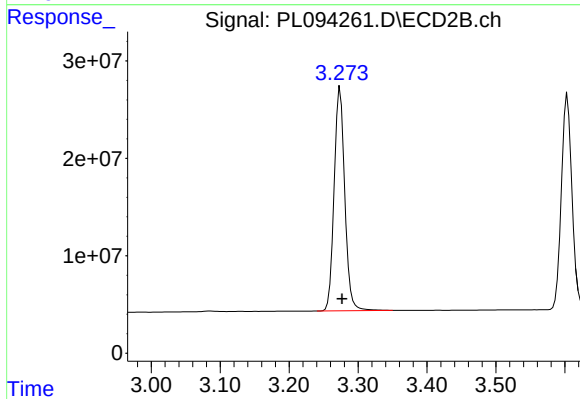
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 68789373
Conc: 21.07 ng/ml



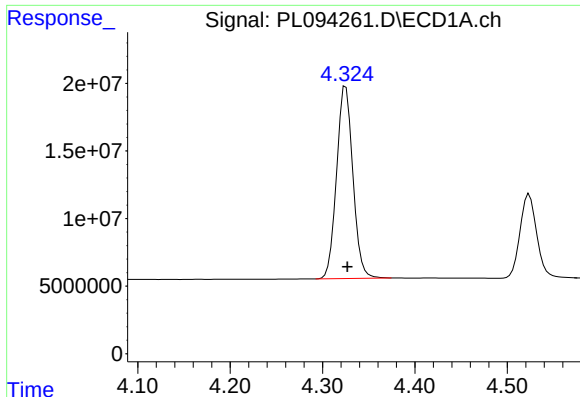
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 181144137
Conc: 47.25 ng/ml



#2 alpha-BHC

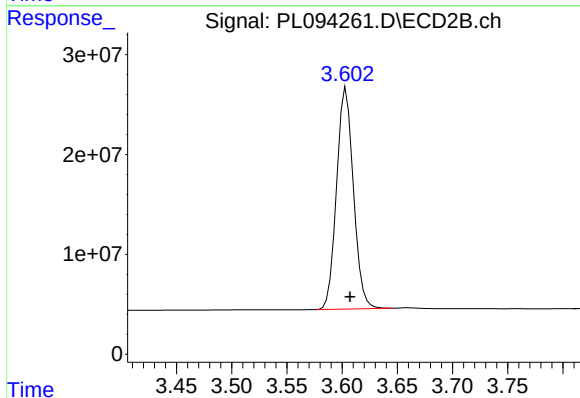
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 245327108
Conc: 50.18 ng/ml



#3 gamma-BHC (Lindane)

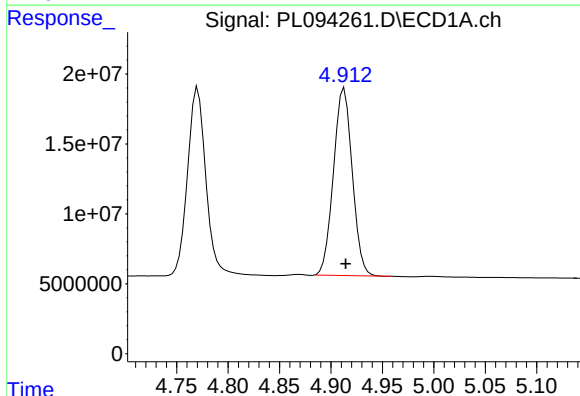
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 174752559
Conc: 47.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



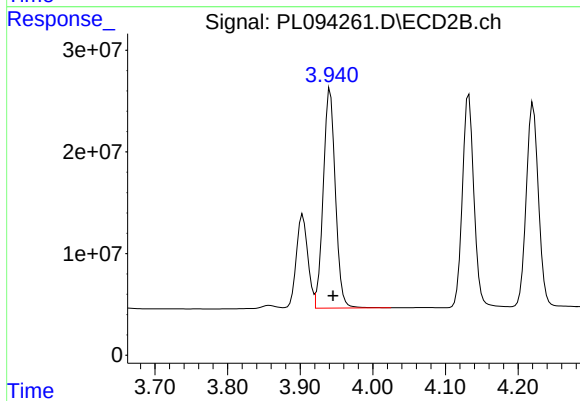
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 235486803
Conc: 49.67 ng/ml



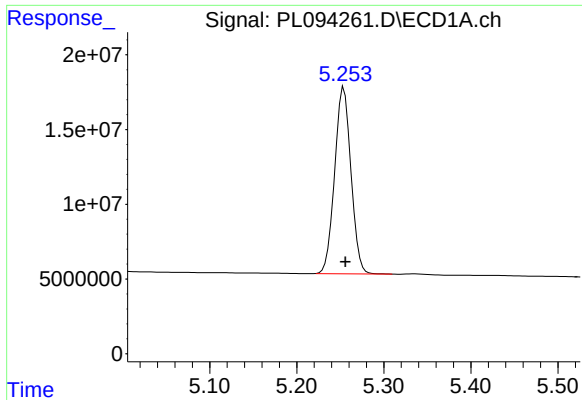
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 170269632
Conc: 51.95 ng/ml



#4 Heptachlor

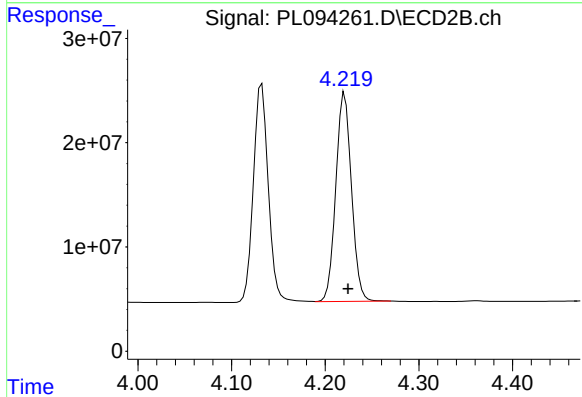
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 250942030
Conc: 53.91 ng/ml



#5 Aldrin

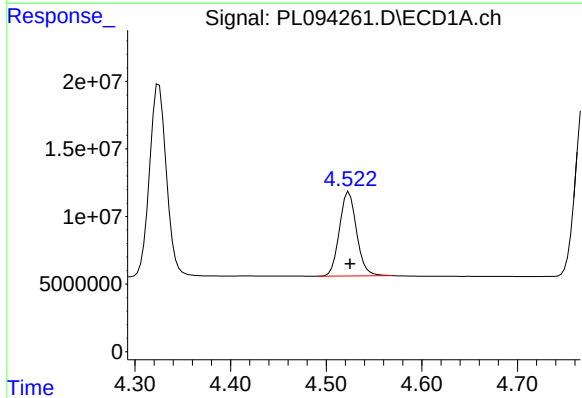
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 162512183
Conc: 49.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



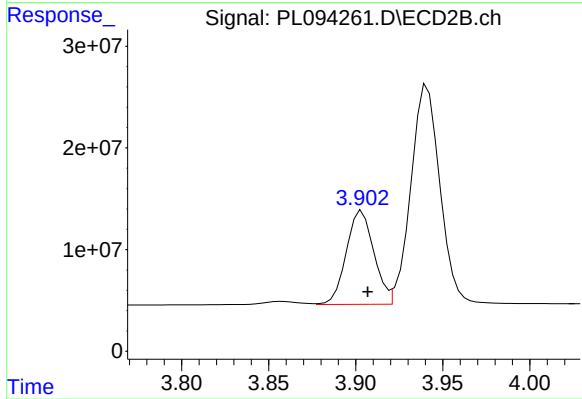
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 232735076
Conc: 51.02 ng/ml



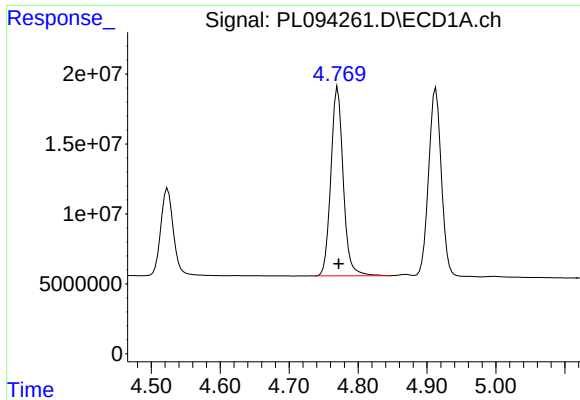
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 77824335
Conc: 48.42 ng/ml



#6 beta-BHC

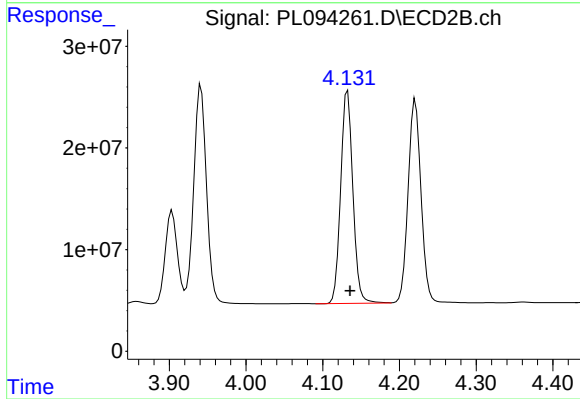
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 101662255
Conc: 50.90 ng/ml



#7 delta-BHC

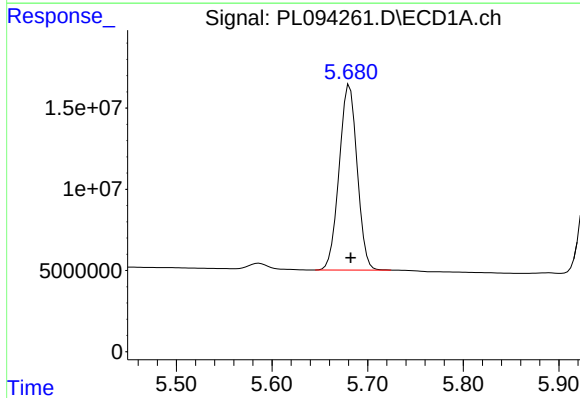
R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 167884989
Conc: 47.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



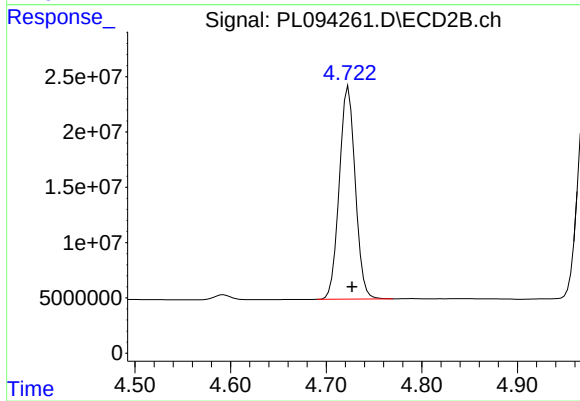
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 231131567
Conc: 48.65 ng/ml



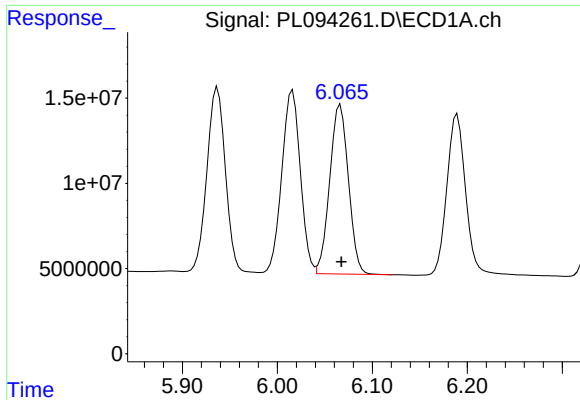
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 149835338
Conc: 50.38 ng/ml



#8 Heptachlor epoxide

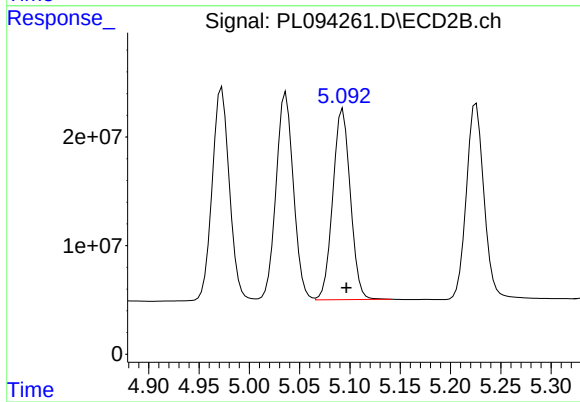
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 223413083
Conc: 53.44 ng/ml



#9 Endosulfan I

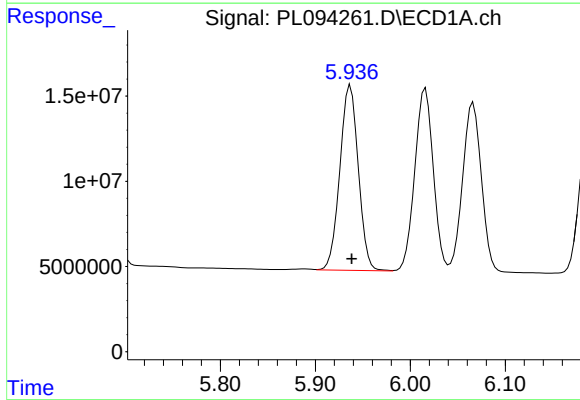
R.T.: 6.066 min
Delta R.T.: -0.001 min
Response: 136083206
Conc: 51.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



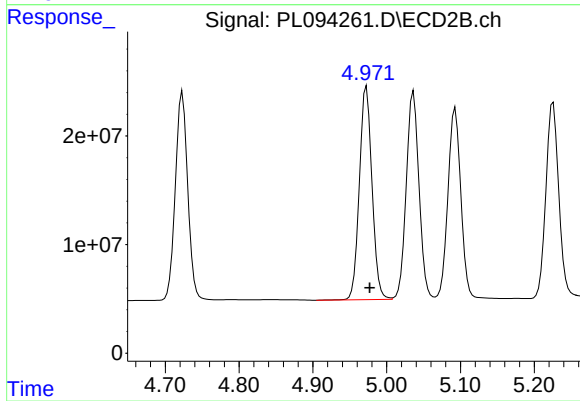
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 212829074
Conc: 54.90 ng/ml



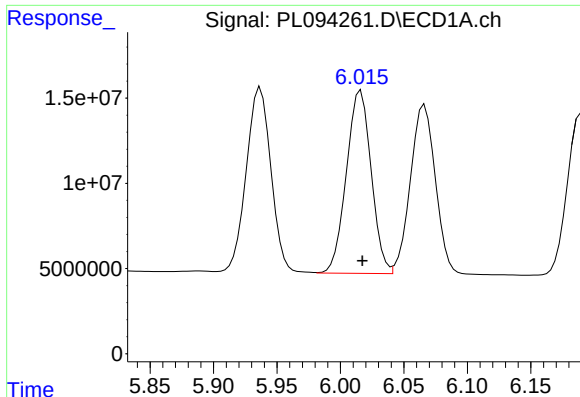
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 147098306
Conc: 52.77 ng/ml



#10 gamma-Chlordane

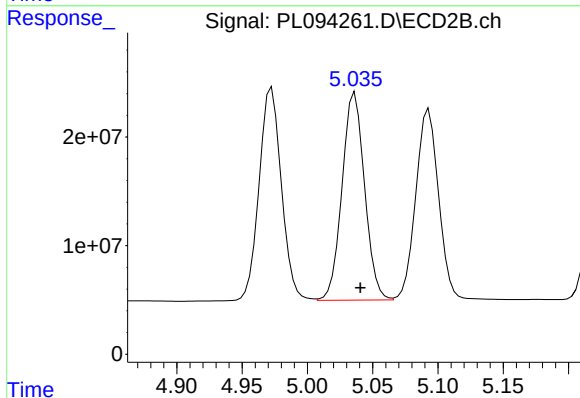
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 233553091
Conc: 55.11 ng/ml



#11 alpha-Chlordane

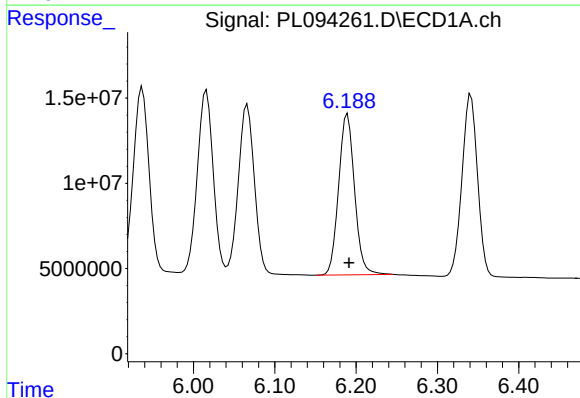
R.T.: 6.016 min
Delta R.T.: -0.001 min
Response: 145820206
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



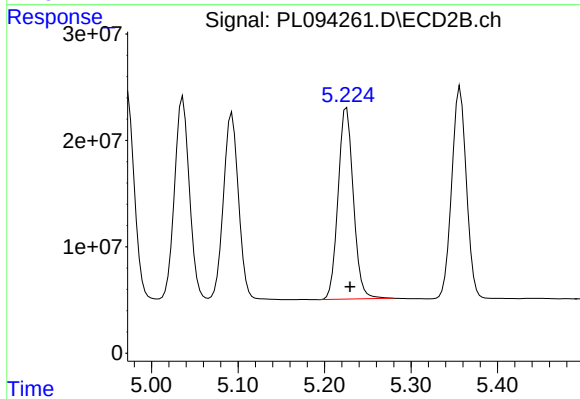
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 229490018
Conc: 54.82 ng/ml



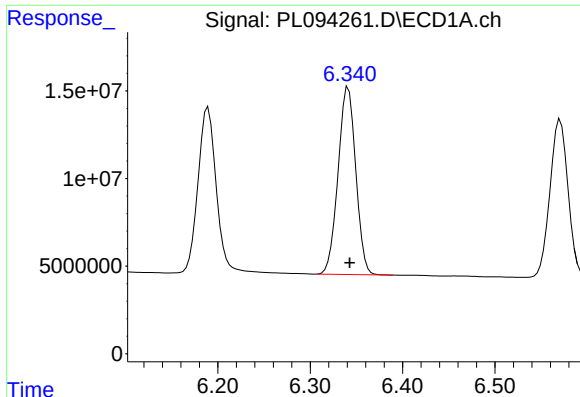
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 128200988
Conc: 52.66 ng/ml



#12 4,4'-DDE

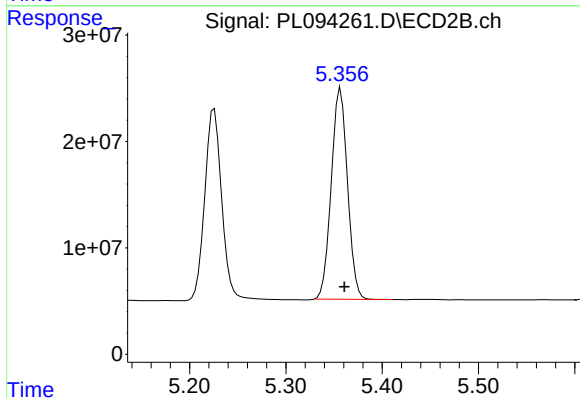
R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 219505530
Conc: 54.75 ng/ml



#13 Dieldrin

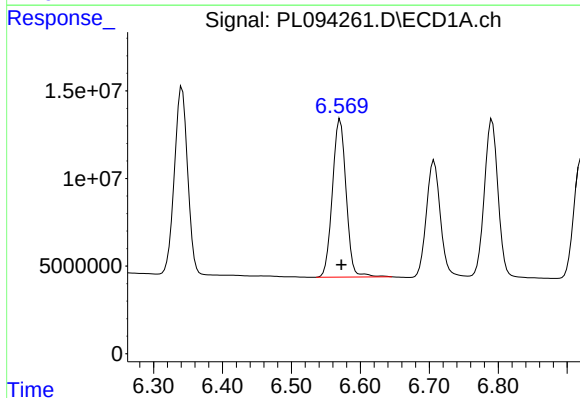
R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 142509895
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



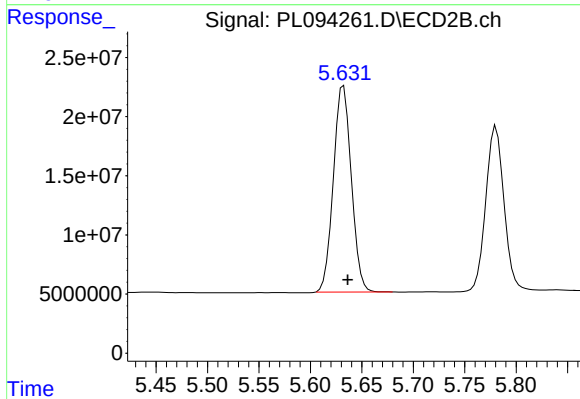
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 232811137
Conc: 54.20 ng/ml



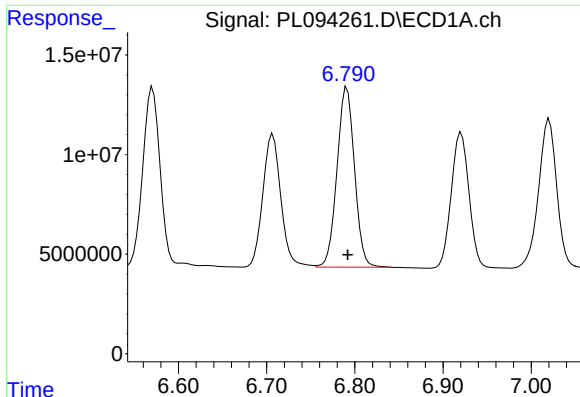
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 124715061
Conc: 53.19 ng/ml



#14 Endrin

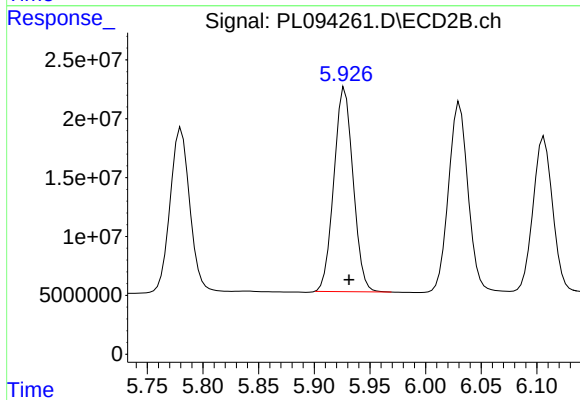
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 211719420
Conc: 57.33 ng/ml



#15 Endosulfan II

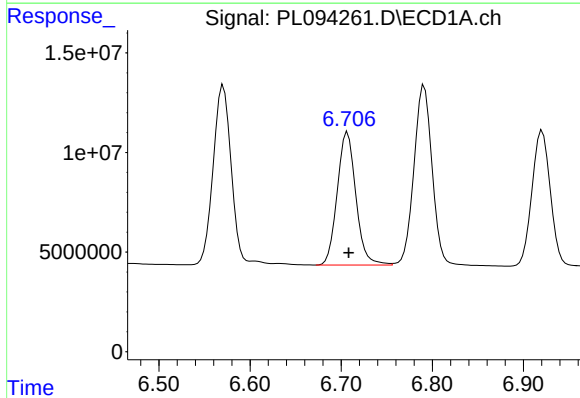
R.T.: 6.791 min
Delta R.T.: -0.001 min
Response: 124704335
Conc: 51.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



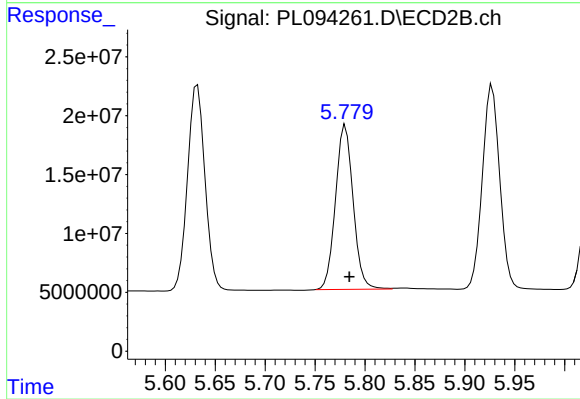
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 208307464
Conc: 56.24 ng/ml



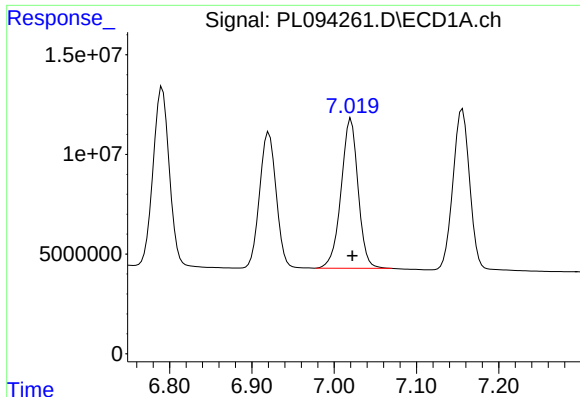
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 94978625
Conc: 49.97 ng/ml



#16 4,4'-DDD

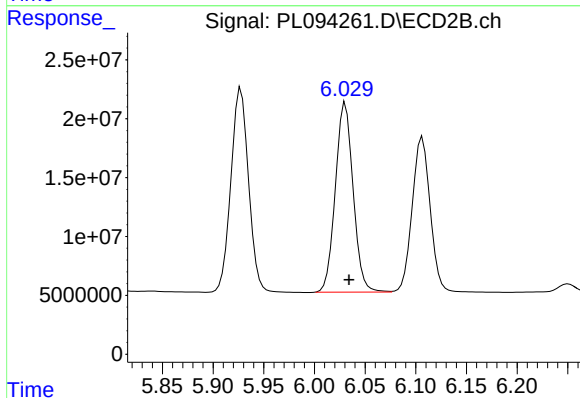
R.T.: 5.781 min
Delta R.T.: -0.004 min
Response: 171678634
Conc: 54.39 ng/ml



#17 4,4'-DDT

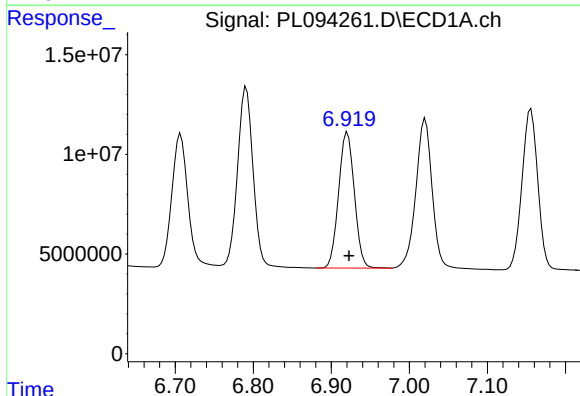
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 107905799
Conc: 54.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



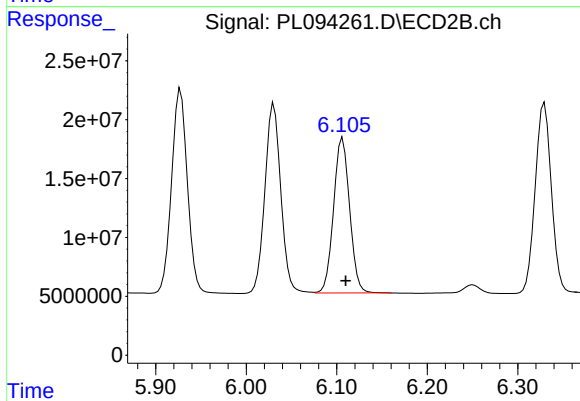
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.004 min
Response: 197005073
Conc: 60.54 ng/ml



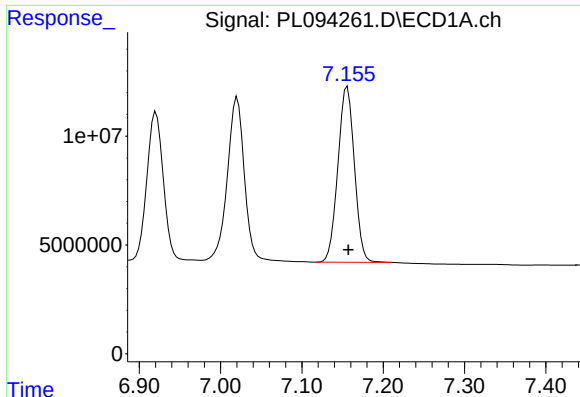
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95590321
Conc: 49.17 ng/ml



#18 Endrin aldehyde

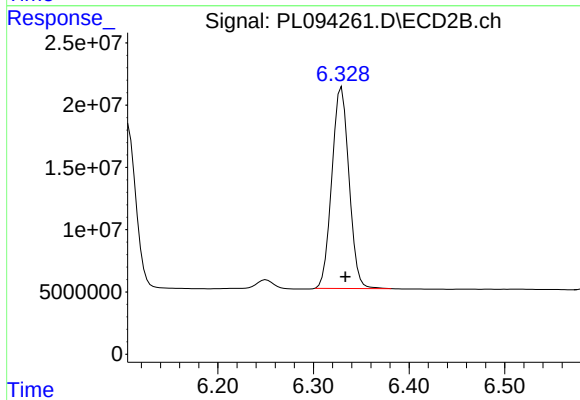
R.T.: 6.107 min
Delta R.T.: -0.004 min
Response: 162483420
Conc: 53.37 ng/ml



#19 Endosulfan Sulfate

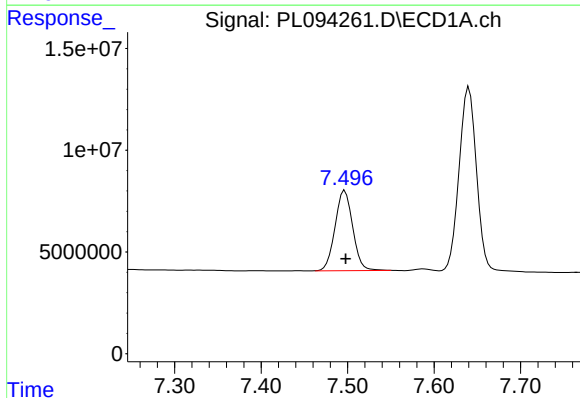
R.T.: 7.156 min
Delta R.T.: -0.001 min
Response: 113585373
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



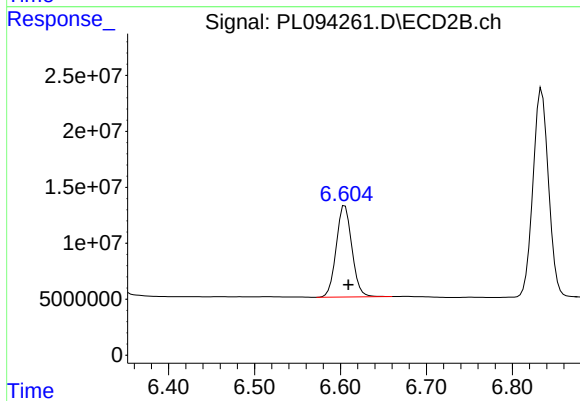
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 201375366
Conc: 56.47 ng/ml



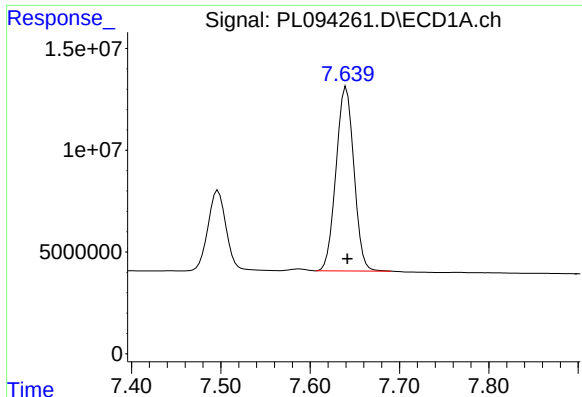
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55483784
Conc: 53.18 ng/ml



#20 Methoxychlor

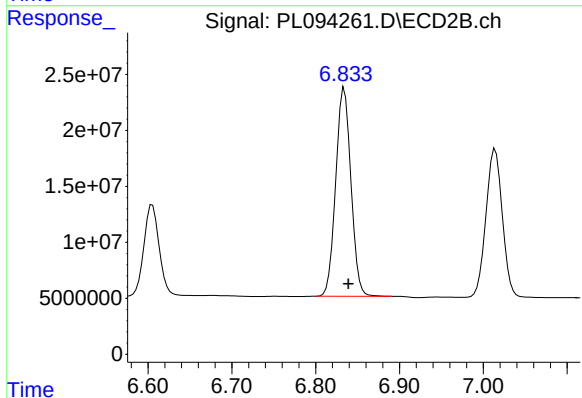
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 103270297
Conc: 57.75 ng/ml



#21 Endrin ketone

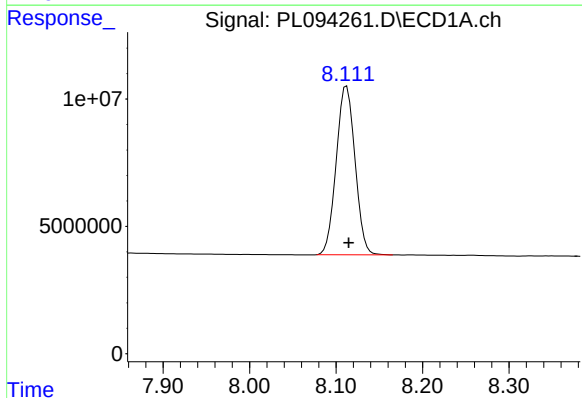
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 125754855
Conc: 49.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



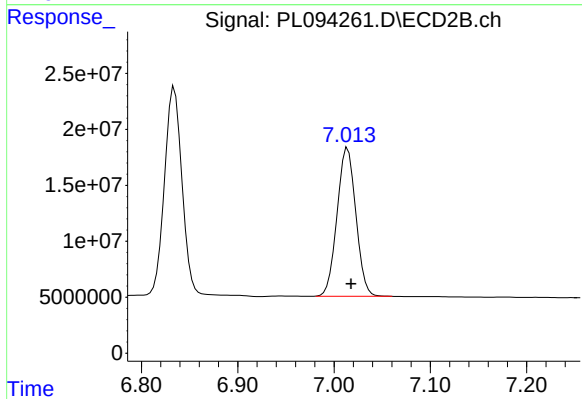
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 234918283
Conc: 56.00 ng/ml



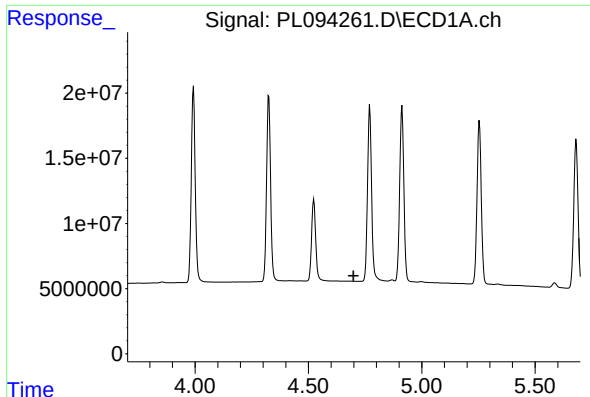
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 99610293
Conc: 47.83 ng/ml



#22 Mirex

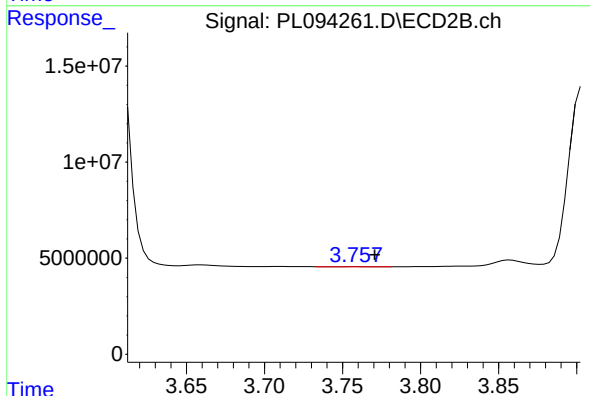
R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 179686231
Conc: 53.13 ng/ml



#23 Chlordane-1

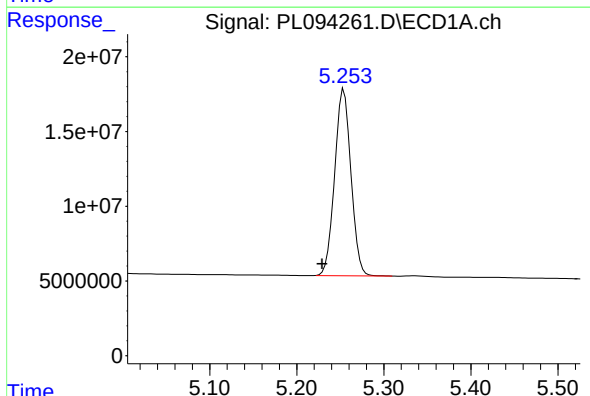
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB166771BS



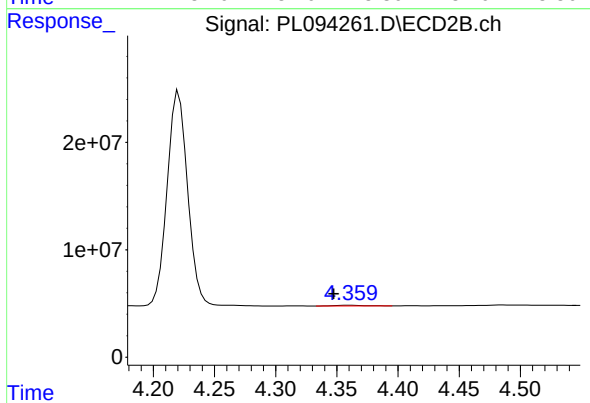
#23 Chlordane-1

R.T.: 3.759 min
Delta R.T.: -0.012 min
Response: 16110
Conc: 0.13 ng/ml



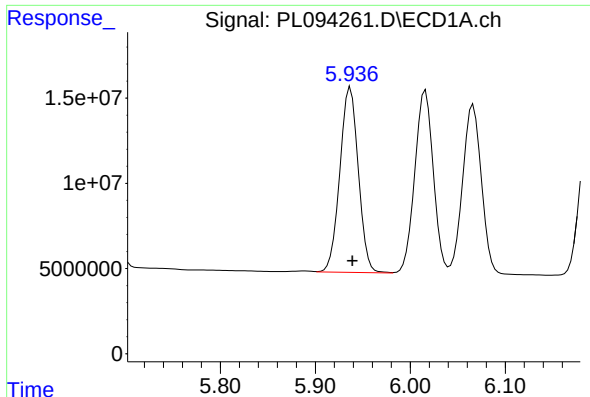
#24 Chlordane-2

R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 162512183
Conc: 1388.04 ng/ml



#24 Chlordane-2

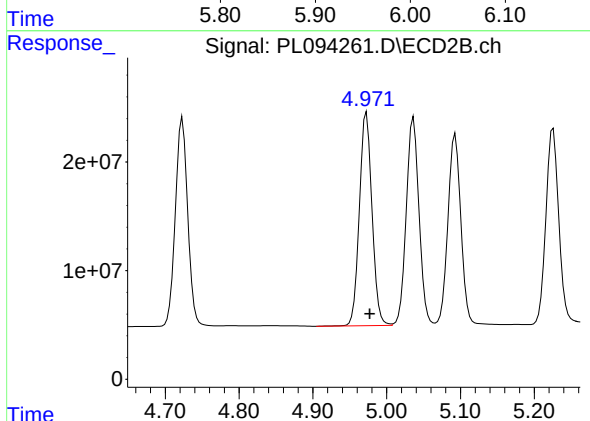
R.T.: 4.361 min
Delta R.T.: 0.013 min
Response: 989546
Conc: 6.74 ng/ml



#25 Chlordane-3

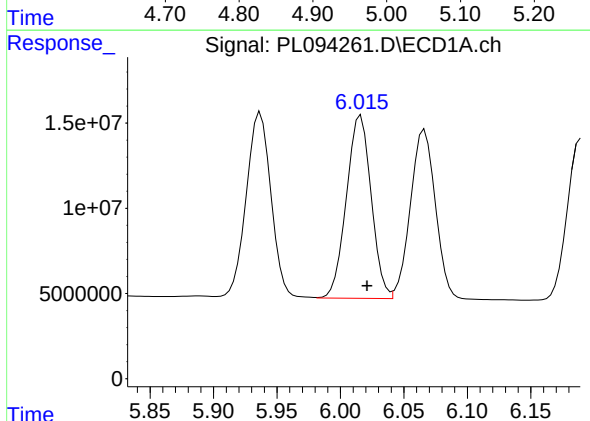
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 147098306
Conc: 375.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166771BS



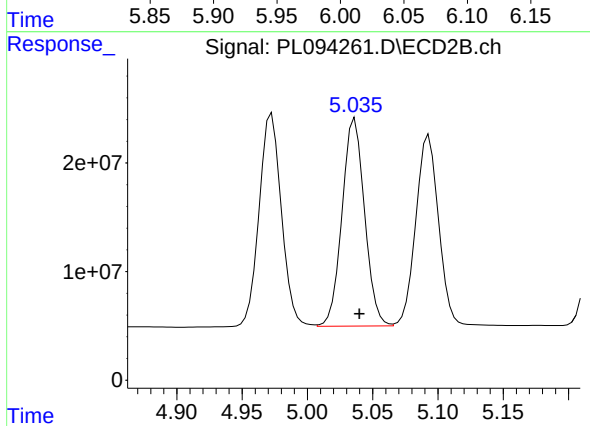
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 233553091
Conc: 537.12 ng/ml



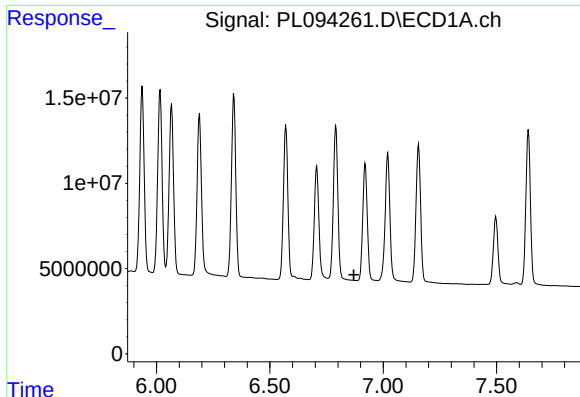
#26 Chlordane-4

R.T.: 6.016 min
Delta R.T.: -0.005 min
Response: 145820206
Conc: 310.19 ng/ml



#26 Chlordane-4

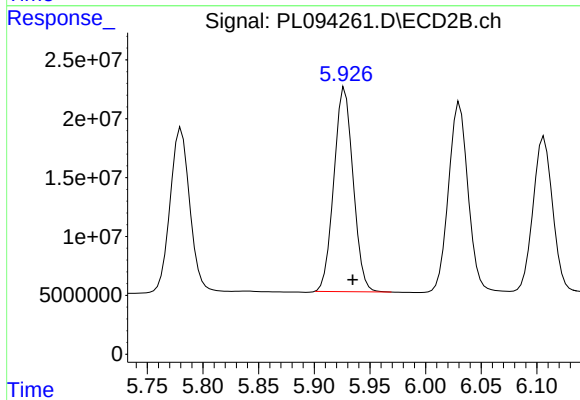
R.T.: 5.036 min
Delta R.T.: -0.003 min
Response: 229490018
Conc: 541.67 ng/ml



#27 Chlordane-5

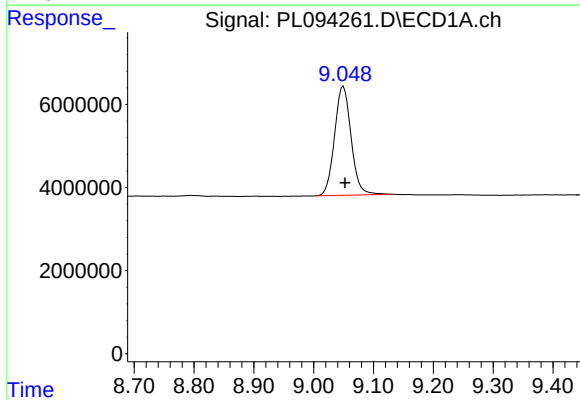
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB166771BS



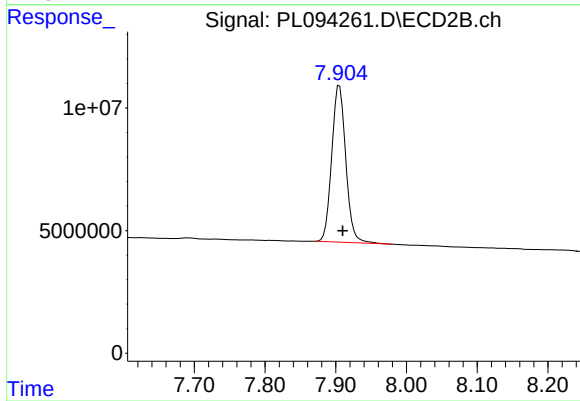
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 208307464
Conc: 1360.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50606872
Conc: 24.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 88208911
Conc: 25.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094264.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:12
 Operator : AR\AJ
 Sample : Q1382-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.771	92024266	76487210	34.175	23.432 #
28)	SA Decachlor...	9.055	7.906	41500070	71065989	19.838	20.281
Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	504204	N.D.	0.103 #
4)	MA Heptachlor	0.000	3.960f	0	852681	N.D.	0.183 #
5)	MB Aldrin	0.000	4.239	0	1032069	N.D.	0.226 #
6)	B beta-BHC	0.000	3.913	0	454356	N.D.	0.227 #
7)	B delta-BHC	4.765	4.120f	1990385	58428	0.568	0.012 #
8)	B Heptachlo...	5.679	4.712	2069759	74762	0.696	0.018 #
10)	B gamma-Chl...	5.911f	4.952f	4317721	5132942	1.549	1.211
11)	B alpha-Chl...	0.000	5.024f	0	1706175	N.D.	0.408 #
12)	B 4,4'-DDE	6.191	5.215	1745735	-90504	0.717	N.D. #
13)	MA Dieldrin	0.000	5.359	0	5445132	N.D.	1.268 #
14)	MA Endrin	6.575	5.641	2179711	-2000779	0.930	N.D. #
15)	B Endosulfa...	0.000	5.918	0	1938857	N.D.	0.523 #
17)	MA 4,4'-DDT	6.997f	6.027	2276908	4723200	1.155	1.451 #
18)	B Endrin al...	0.000	6.122	0	178999	N.D.	0.059 #
19)	B Endosulfa...	0.000	6.325	0	27664	N.D.	0.008 #
20)	A Methoxychlor	0.000	6.582f	0	131040	N.D.	0.073 #
21)	B Endrin ke...	7.666f	6.842	2199686	16409	0.872	0.004 #
22)	Mirex	0.000	7.009	0	502977	N.D.	0.149 #
23)	Chlordane-1	0.000	3.757	0	925682	N.D.	7.418 #
24)	Chlordane-2	0.000	4.353	0	90280	N.D.	0.615 #
25)	Chlordane-3	5.911f	4.952f	4317721	5132942	11.007	11.805
26)	Chlordane-4	0.000	5.024	0	1706175	N.D.	4.027 #
27)	Chlordane-5	0.000	5.918	0	1938857	N.D.	12.659 #

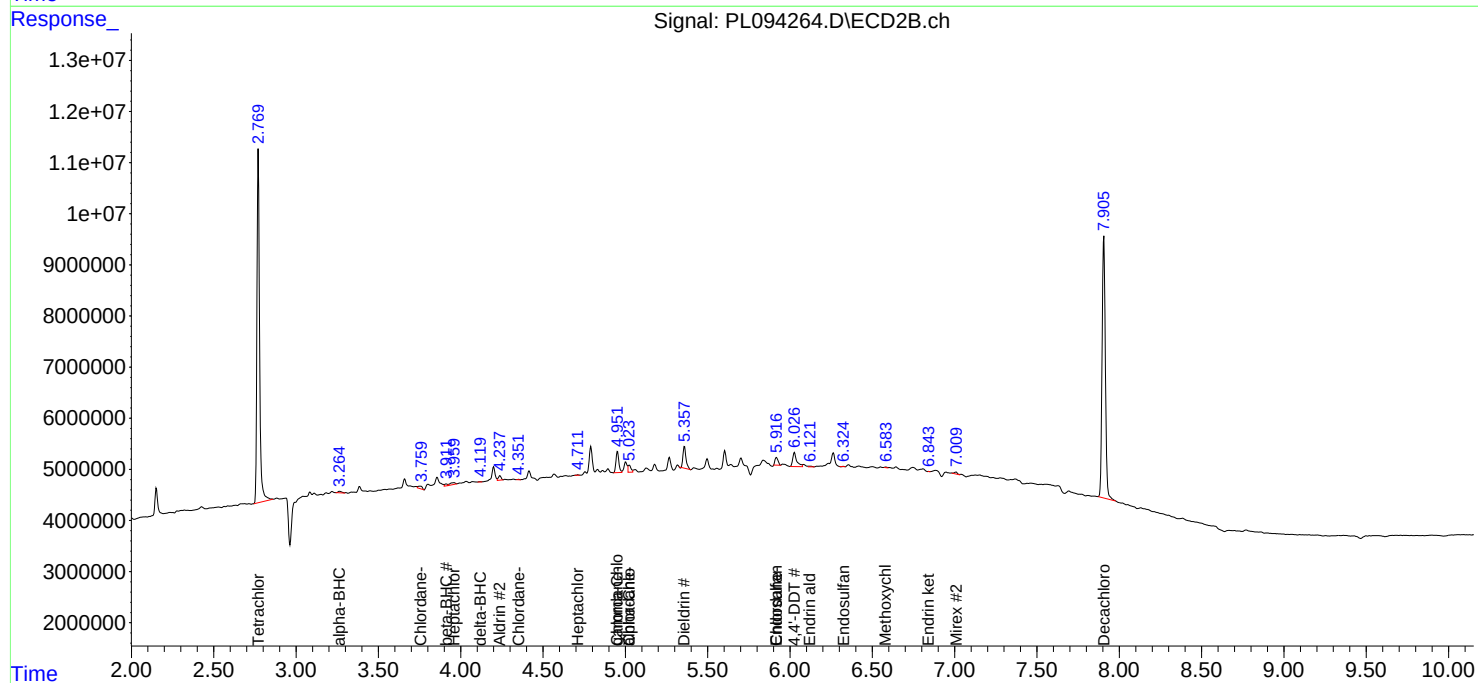
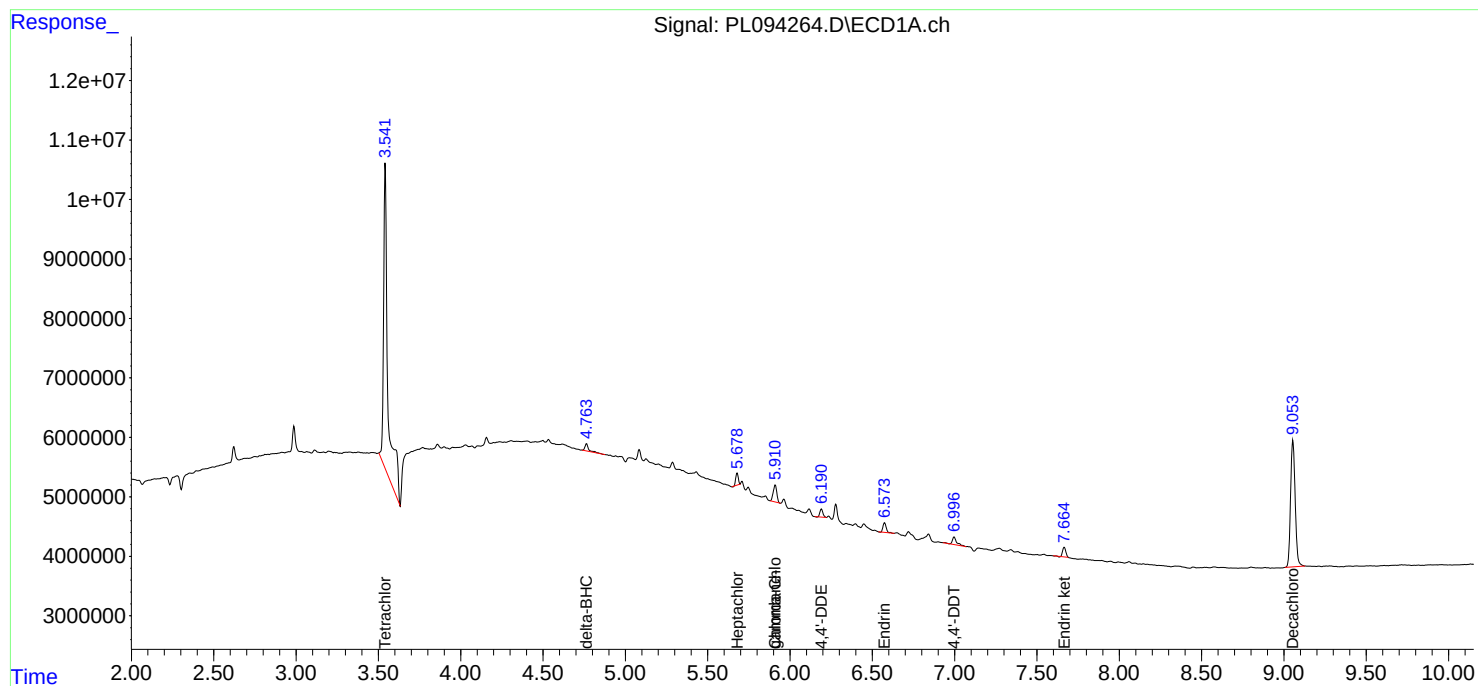
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

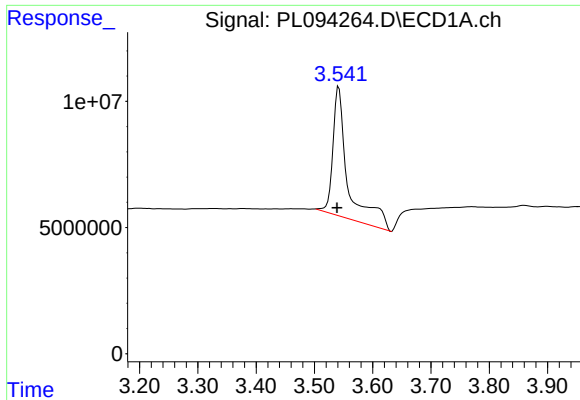
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094264.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:12
Operator : AR\AJ
Sample : Q1382-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

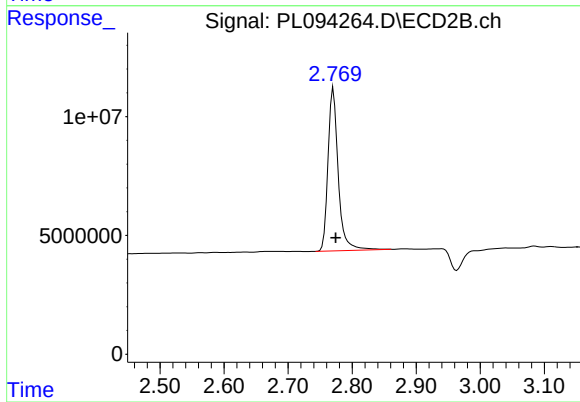




#1 Tetrachloro-m-xylene

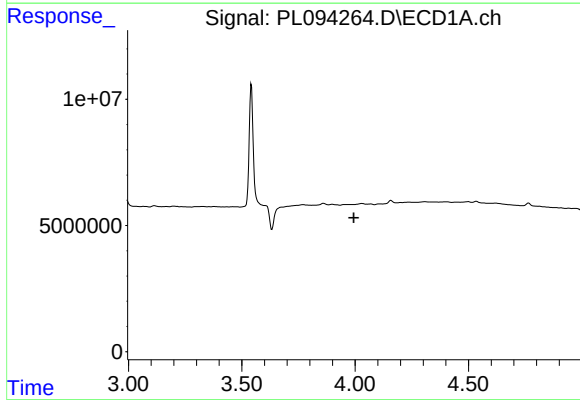
R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 92024266
Conc: 34.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



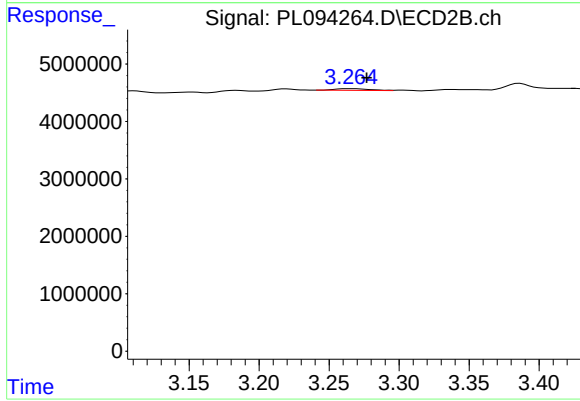
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.004 min
Response: 76487210
Conc: 23.43 ng/ml



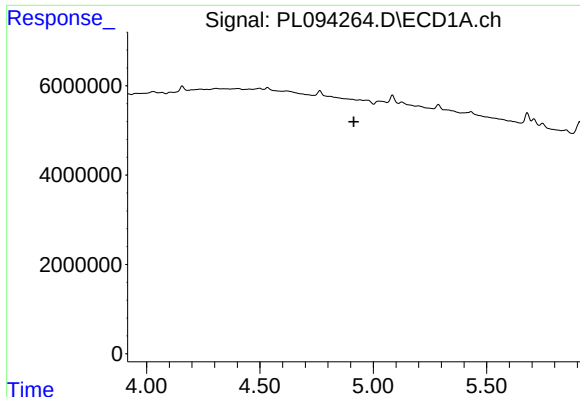
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

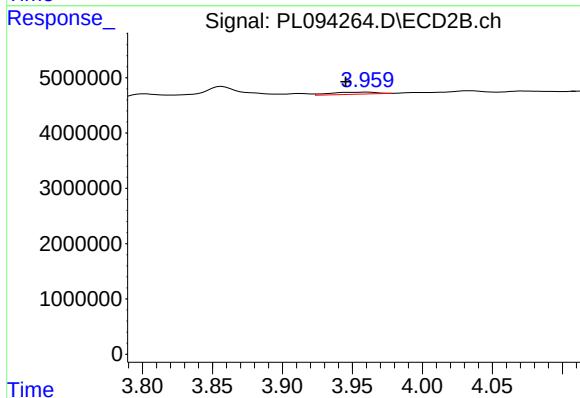
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 504204
Conc: 0.10 ng/ml



#4 Heptachlor

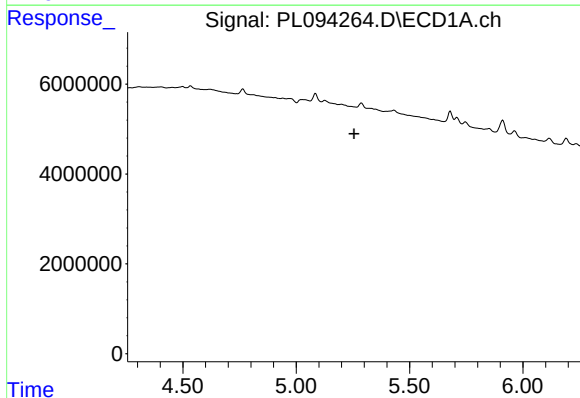
R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



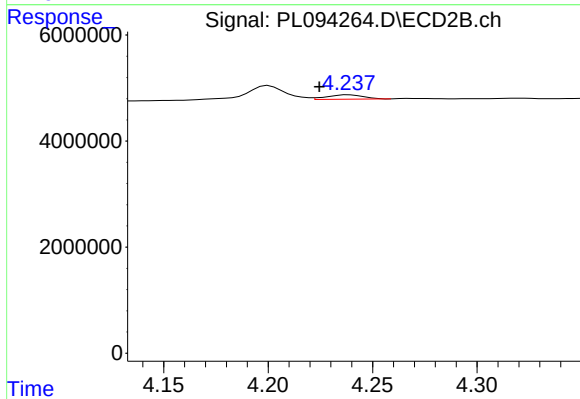
#4 Heptachlor

R.T.: 3.960 min
Delta R.T.: 0.015 min
Response: 852681
Conc: 0.18 ng/ml



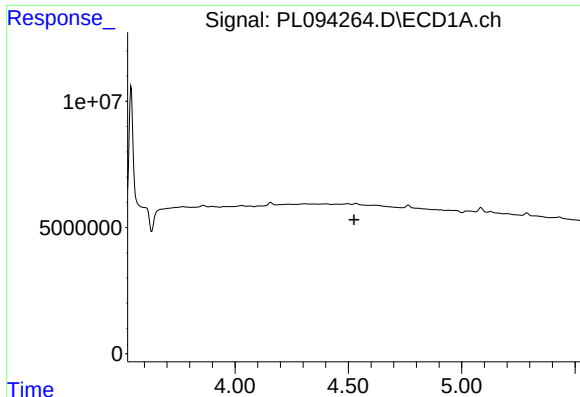
#5 Aldrin

R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

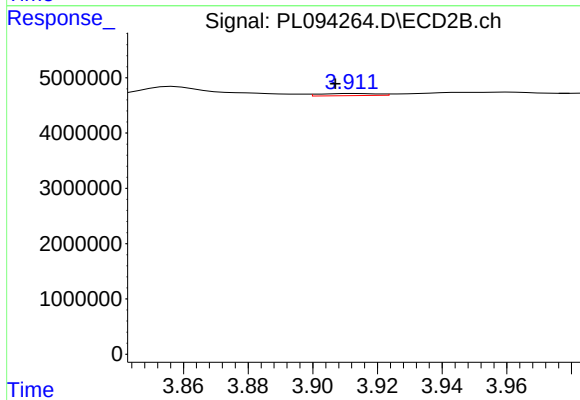
R.T.: 4.239 min
Delta R.T.: 0.014 min
Response: 1032069
Conc: 0.23 ng/ml



#6 beta-BHC

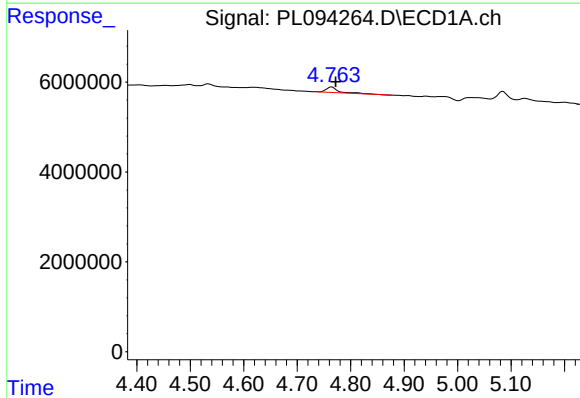
R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



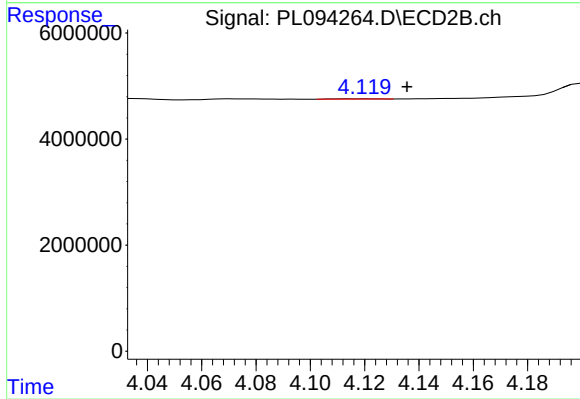
#6 beta-BHC

R.T.: 3.913 min
Delta R.T.: 0.006 min
Response: 454356
Conc: 0.23 ng/ml



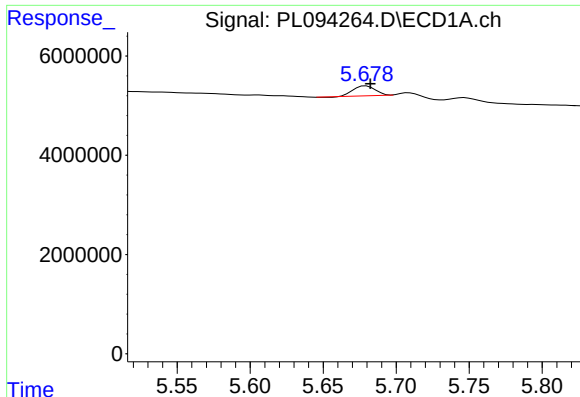
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: -0.007 min
Response: 1990385
Conc: 0.57 ng/ml



#7 delta-BHC

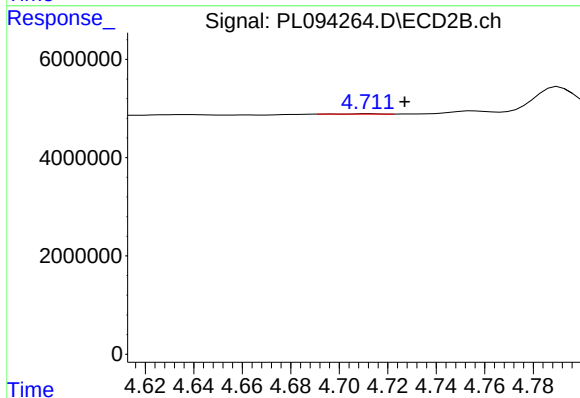
R.T.: 4.120 min
Delta R.T.: -0.016 min
Response: 58428
Conc: 0.01 ng/ml



#8 Heptachlor epoxide

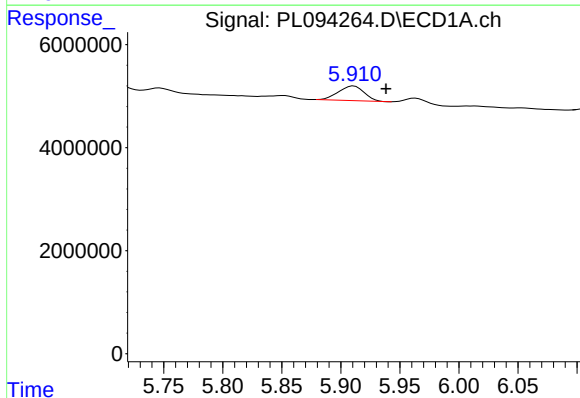
R.T.: 5.679 min
Delta R.T.: -0.003 min
Response: 2069759
Conc: 0.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



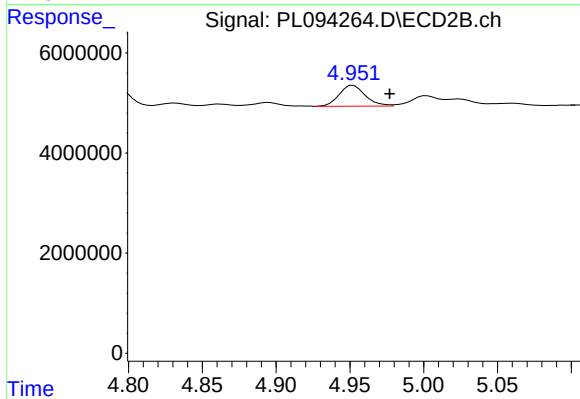
#8 Heptachlor epoxide

R.T.: 4.712 min
Delta R.T.: -0.015 min
Response: 74762
Conc: 0.02 ng/ml



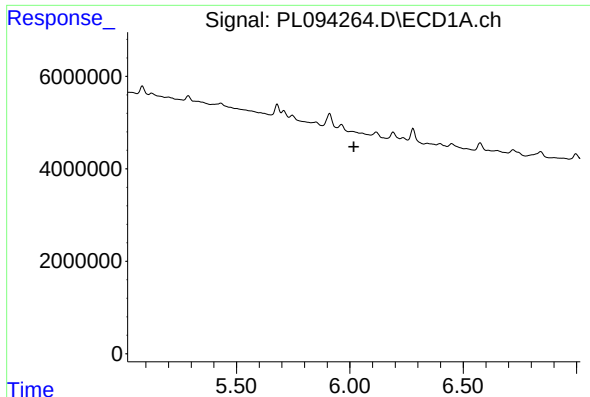
#10 gamma-Chlordane

R.T.: 5.911 min
Delta R.T.: -0.027 min
Response: 4317721
Conc: 1.55 ng/ml



#10 gamma-Chlordane

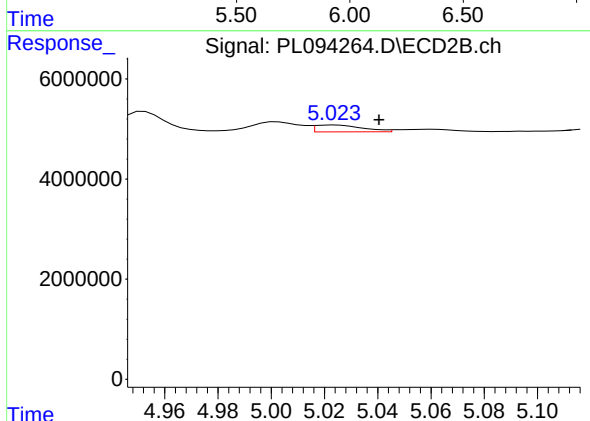
R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 5132942
Conc: 1.21 ng/ml



#11 alpha-Chlordane

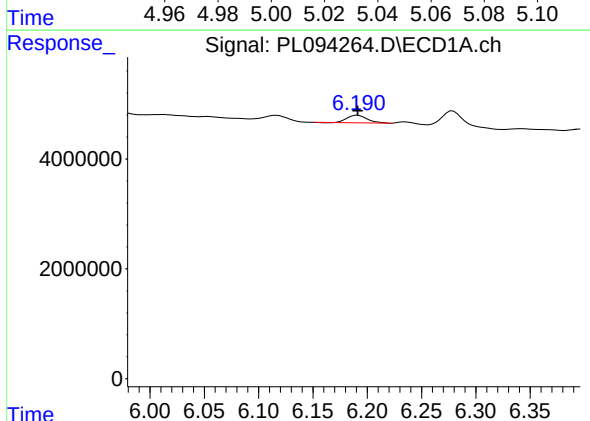
R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



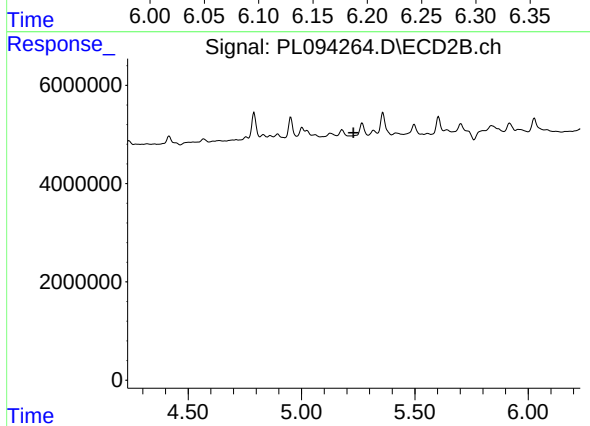
#11 alpha-Chlordane

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 1706175
Conc: 0.41 ng/ml



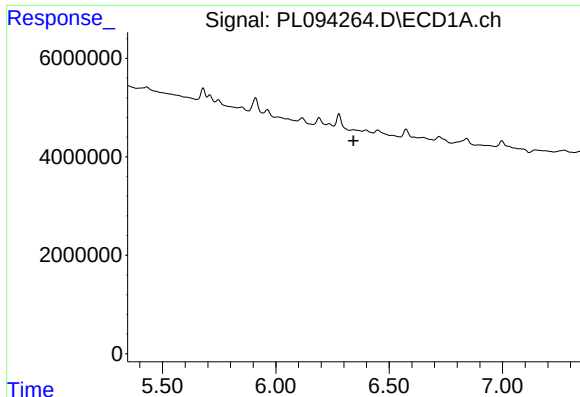
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 1745735
Conc: 0.72 ng/ml



#12 4,4'-DDE

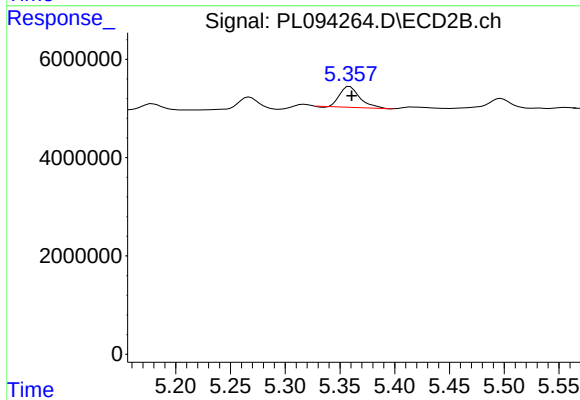
R.T.: 5.215 min
Delta R.T.: -0.014 min
Response: -90504
Conc: N.D.



#13 Dieldrin

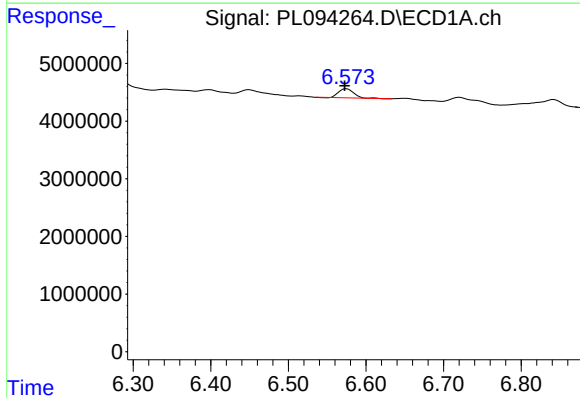
R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



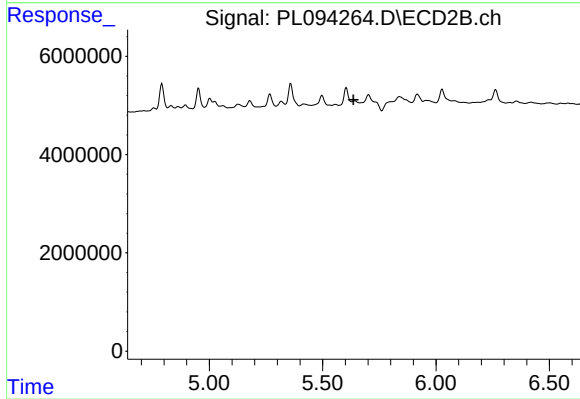
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 5445132
Conc: 1.27 ng/ml



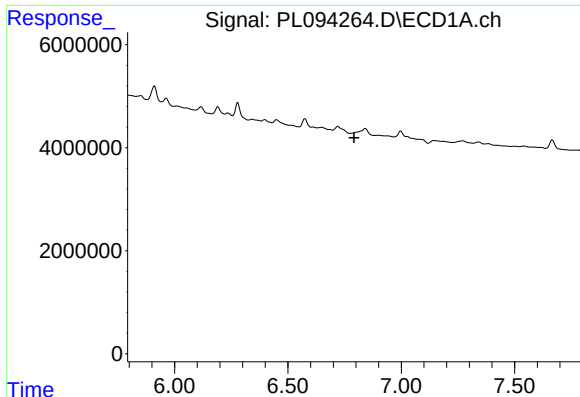
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.002 min
Response: 2179711
Conc: 0.93 ng/ml



#14 Endrin

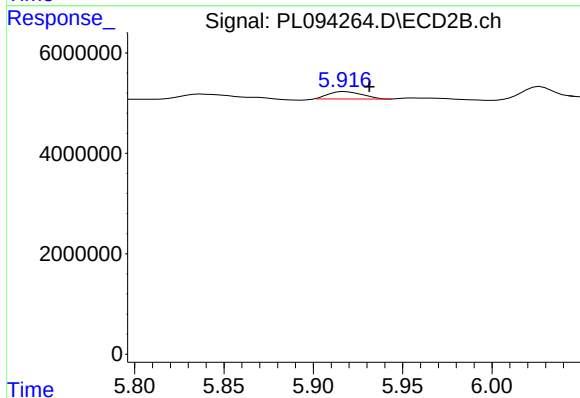
R.T.: 5.641 min
Delta R.T.: 0.005 min
Response: -2000779
Conc: N.D.



#15 Endosulfan II

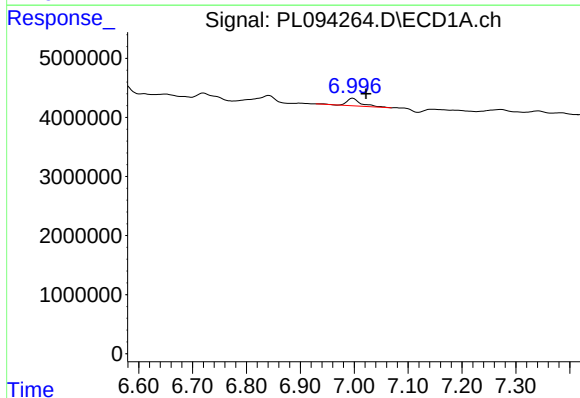
R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



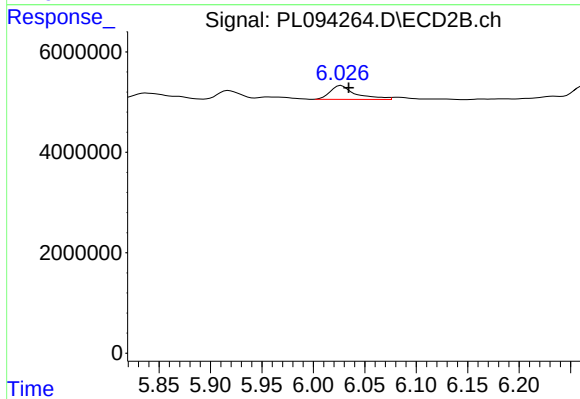
#15 Endosulfan II

R.T.: 5.918 min
Delta R.T.: -0.013 min
Response: 1938857
Conc: 0.52 ng/ml



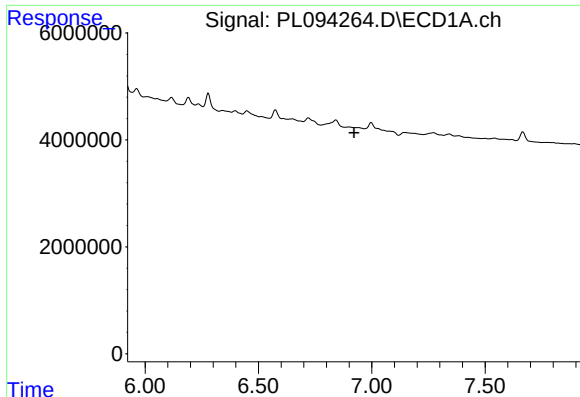
#17 4,4'-DDT

R.T.: 6.997 min
Delta R.T.: -0.025 min
Response: 2276908
Conc: 1.15 ng/ml



#17 4,4'-DDT

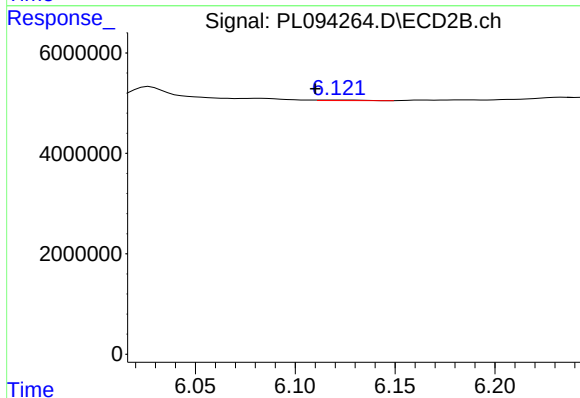
R.T.: 6.027 min
Delta R.T.: -0.007 min
Response: 4723200
Conc: 1.45 ng/ml



#18 Endrin aldehyde

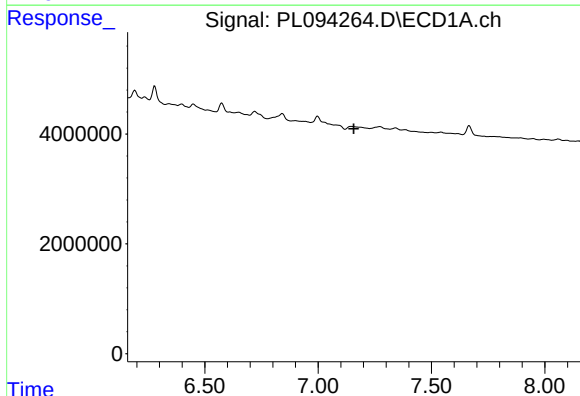
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



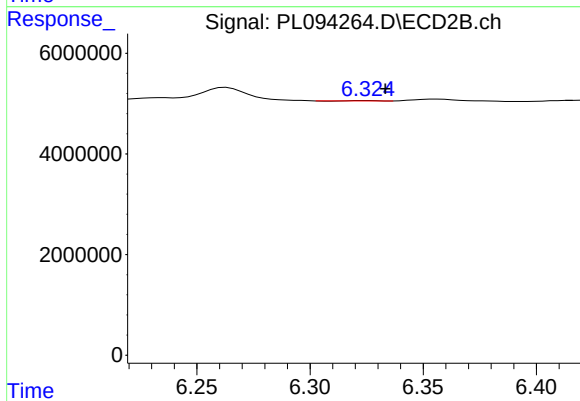
#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.012 min
Response: 178999
Conc: 0.06 ng/ml



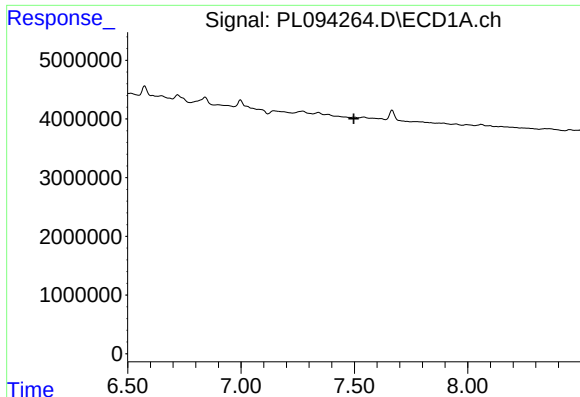
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

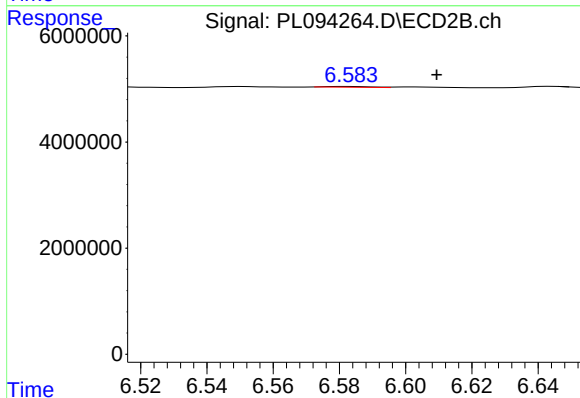
R.T.: 6.325 min
Delta R.T.: -0.009 min
Response: 27664
Conc: 0.01 ng/ml



#20 Methoxychlor

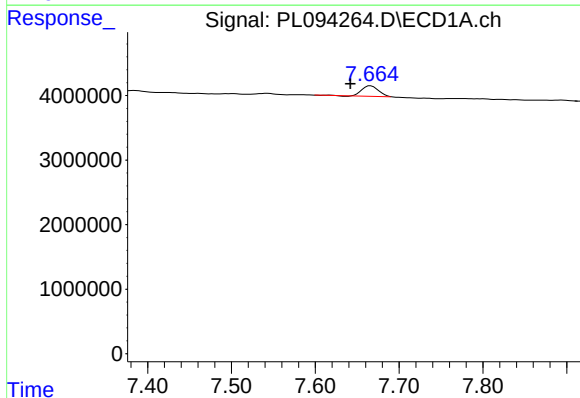
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



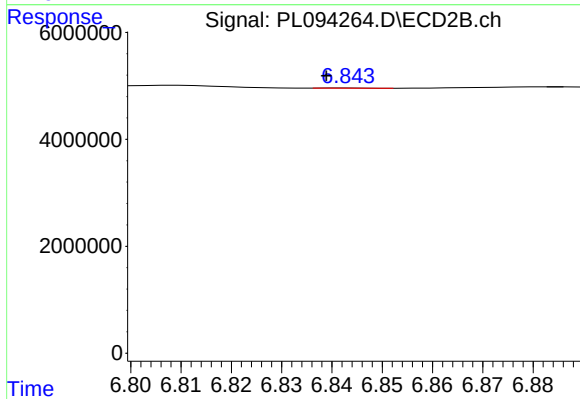
#20 Methoxychlor

R.T.: 6.582 min
Delta R.T.: -0.027 min
Response: 131040
Conc: 0.07 ng/ml



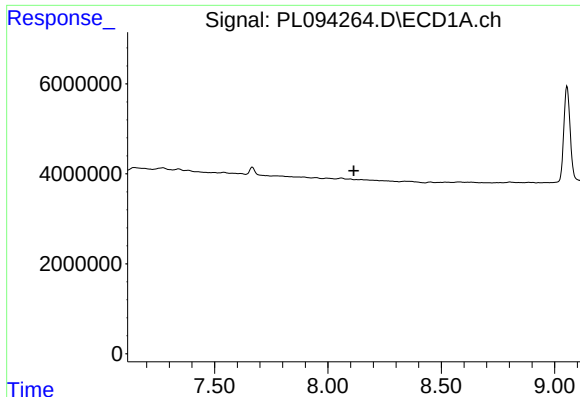
#21 Endrin ketone

R.T.: 7.666 min
Delta R.T.: 0.024 min
Response: 2199686
Conc: 0.87 ng/ml



#21 Endrin ketone

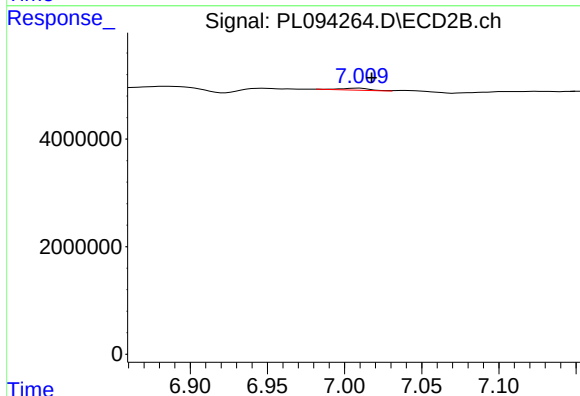
R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 16409
Conc: 0.00 ng/ml



#22 Mirex

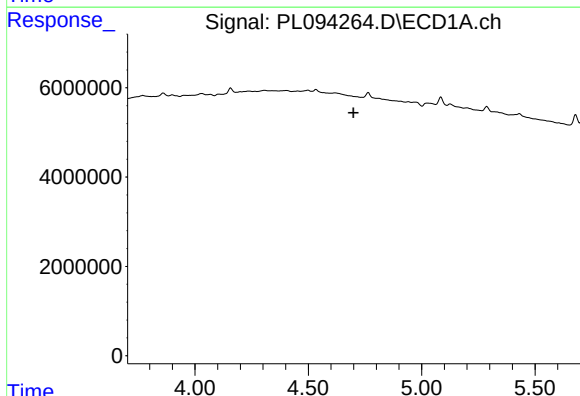
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



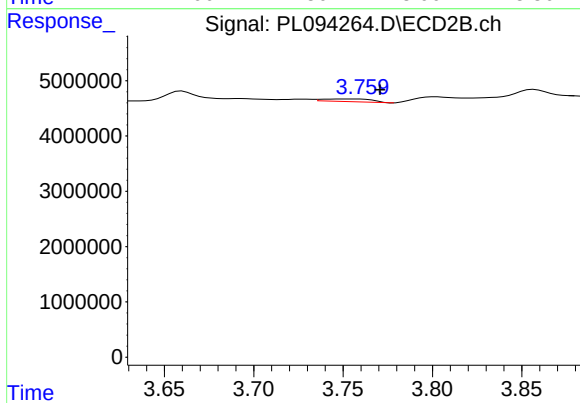
#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.009 min
Response: 502977
Conc: 0.15 ng/ml



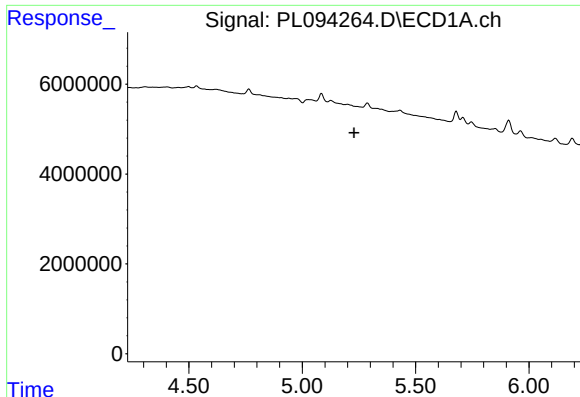
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

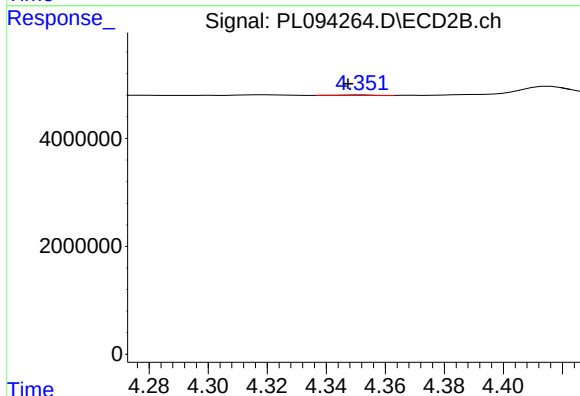
R.T.: 3.757 min
Delta R.T.: -0.013 min
Response: 925682
Conc: 7.42 ng/ml



#24 Chlordane-2

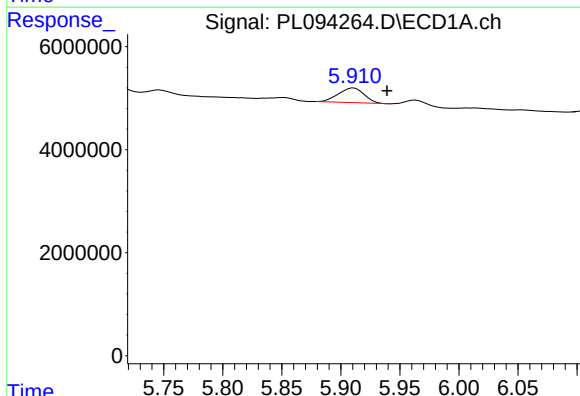
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



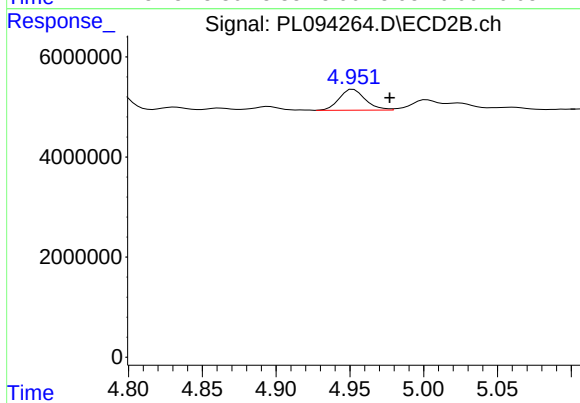
#24 Chlordane-2

R.T.: 4.353 min
Delta R.T.: 0.005 min
Response: 90280
Conc: 0.62 ng/ml



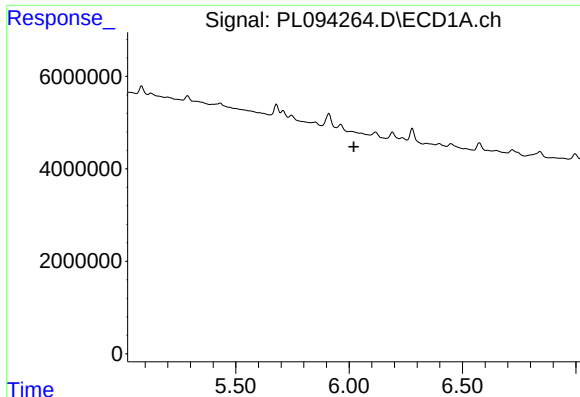
#25 Chlordane-3

R.T.: 5.911 min
Delta R.T.: -0.028 min
Response: 4317721
Conc: 11.01 ng/ml



#25 Chlordane-3

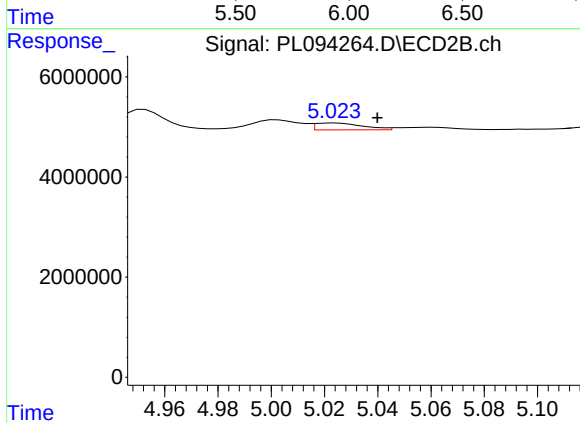
R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 5132942
Conc: 11.80 ng/ml



#26 Chlordane-4

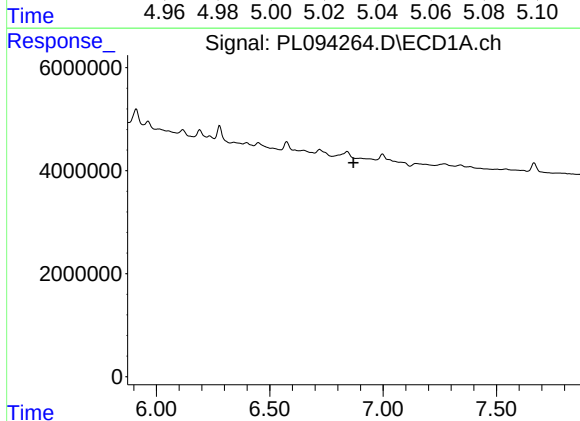
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



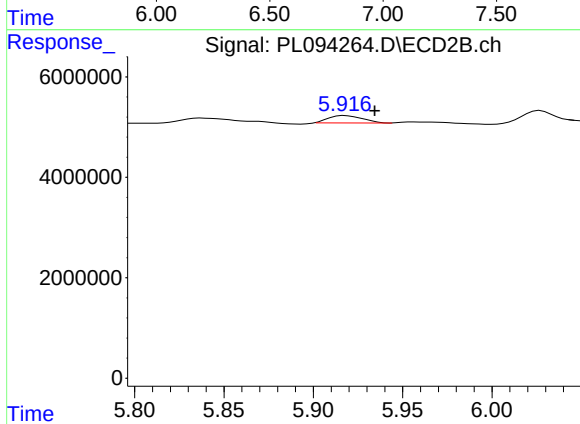
#26 Chlordane-4

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 1706175
Conc: 4.03 ng/ml



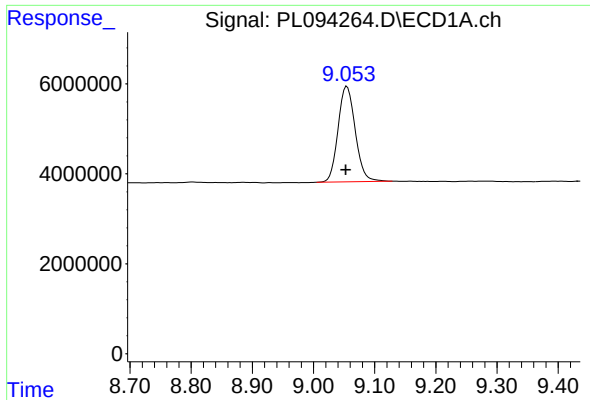
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

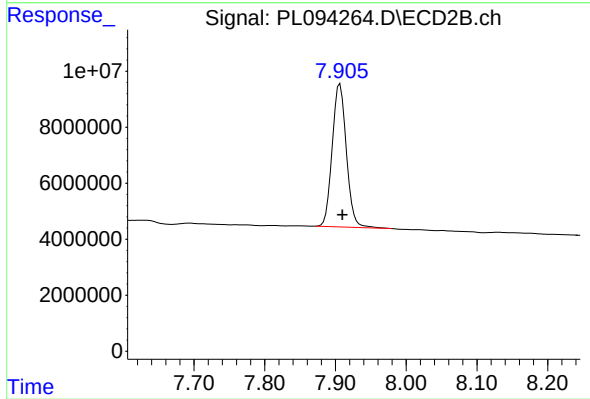
R.T.: 5.918 min
Delta R.T.: -0.017 min
Response: 1938857
Conc: 12.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 41500070
Conc: 19.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.003 min
Response: 71065989
Conc: 20.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094265.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:25
 Operator : AR\AJ
 Sample : Q1382-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	77352175	67851609	28.726	20.787 #
28)	SA Decachlor...	9.050	7.905	40173610	69855129	19.204	19.935
Target Compounds							
2)	A alpha-BHC	3.992	3.273	167.2E6	226.6E6	43.621	46.341
3)	MA gamma-BHC...	4.325	3.603	162.1E6	217.1E6	44.022	45.784
4)	MA Heptachlor	4.913	3.941	157.3E6	229.2E6	48.003	49.245
5)	MB Aldrin	5.255	4.220	151.1E6	219.0E6	46.185	48.009
6)	B beta-BHC	4.524	3.903	73475546	95546942	45.713	47.835
7)	B delta-BHC	4.770	4.132	159.0E6	218.8E6	45.354	46.044
8)	B Heptachlo...	5.681	4.723	141.5E6	203.8E6	47.579	48.758
9)	A Endosulfan I	6.066	5.092	123.6E6	195.1E6	46.767	50.324
10)	B gamma-Chl...	5.937	4.973	139.9E6	222.5E6	50.198	52.503
11)	B alpha-Chl...	6.016	5.036	134.3E6	214.1E6	48.151	51.136
12)	B 4,4'-DDE	6.190	5.225	122.3E6	204.2E6	50.246	50.936
13)	MA Dieldrin	6.342	5.356	131.0E6	216.8E6	47.196	50.468
14)	MA Endrin	6.571	5.632	116.9E6	194.9E6	49.865	52.780
15)	B Endosulfa...	6.792	5.927	111.7E6	191.8E6	46.367	51.774
16)	A 4,4'-DDD	6.707	5.780	94344403	158.9E6	49.640	50.356
17)	MA 4,4'-DDT	7.021	6.030	102.9E6	185.2E6	52.198	56.899
18)	B Endrin al...	6.921	6.106	86876693	143.3E6	44.688	47.051
19)	B Endosulfa...	7.156	6.329	106.6E6	183.0E6	47.084	51.323
20)	A Methoxychlor	7.497	6.605	53625065	96875109	51.395	54.177
21)	B Endrin ke...	7.640	6.835	118.3E6	210.3E6	46.876	50.118
22)	Mirex	8.113	7.014	92956980	166.6E6	44.637	49.258
23)	Chlordane-1	0.000	3.761	0	504803	N.D.	4.045 #
24)	Chlordane-2	5.255f	4.357	151.1E6	923894	1290.703	6.297 #
25)	Chlordane-3	5.937	4.973	139.9E6	222.5E6	356.701	511.674 #
26)	Chlordane-4	6.016	5.036	134.3E6	214.1E6	285.603	505.312 #
27)	Chlordane-5	0.000	5.927	0	191.8E6	N.D.	1252.015 #

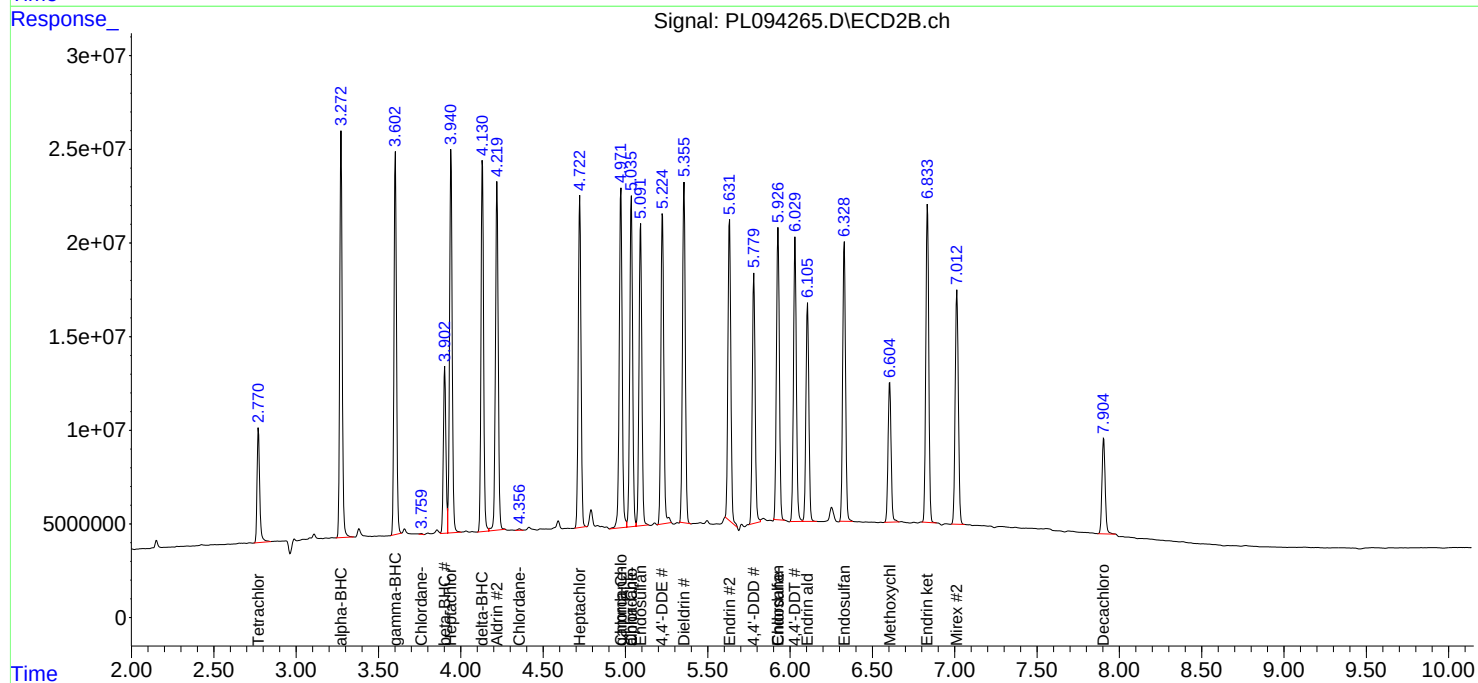
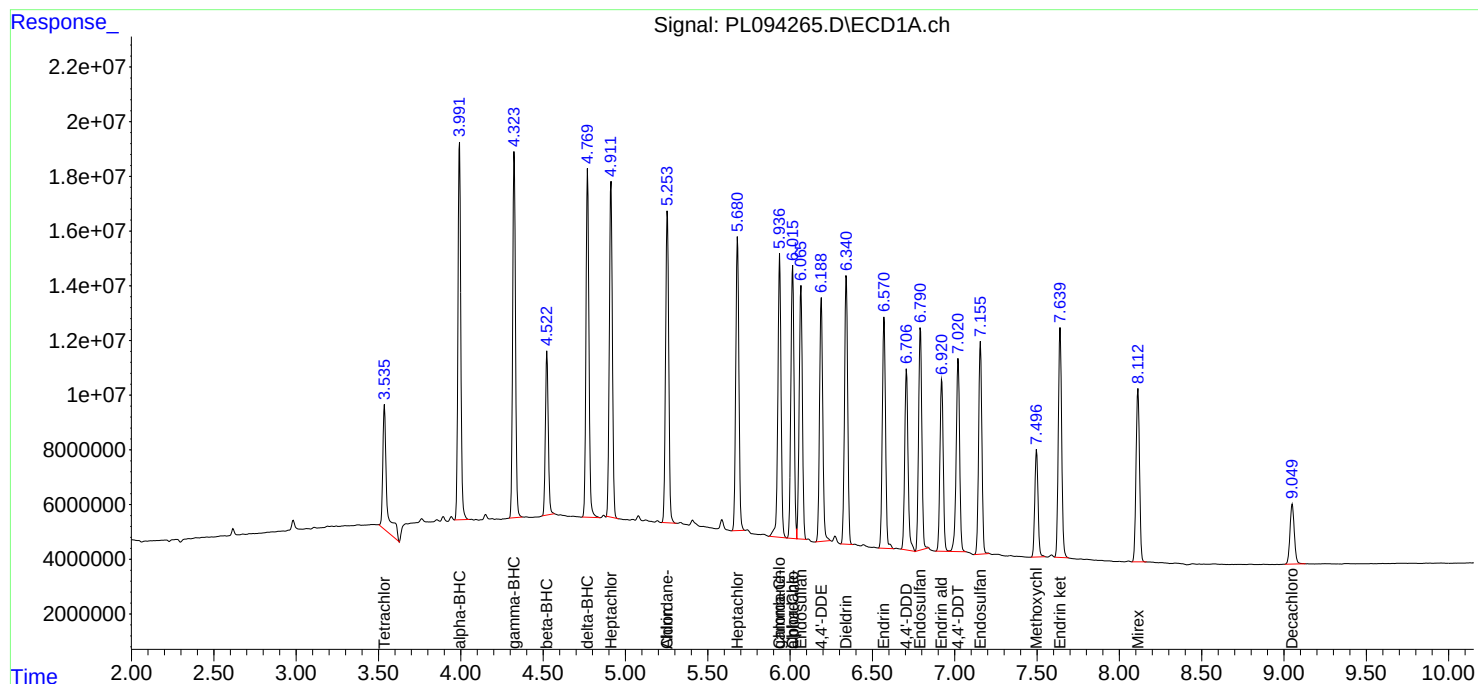
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

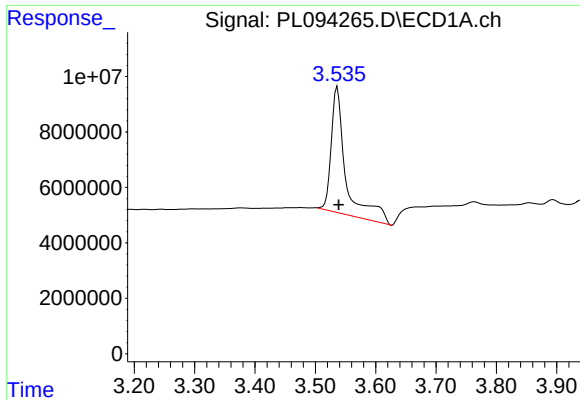
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094265.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:25
Operator : AR\AJ
Sample : Q1382-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

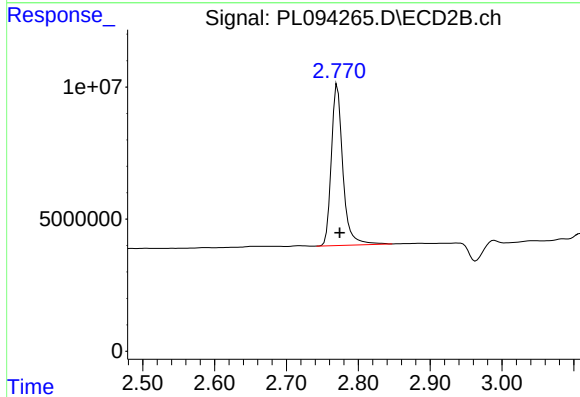




#1 Tetrachloro-m-xylene

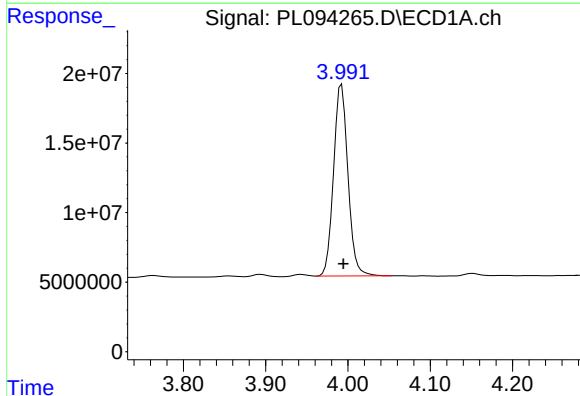
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 77352175
Conc: 28.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



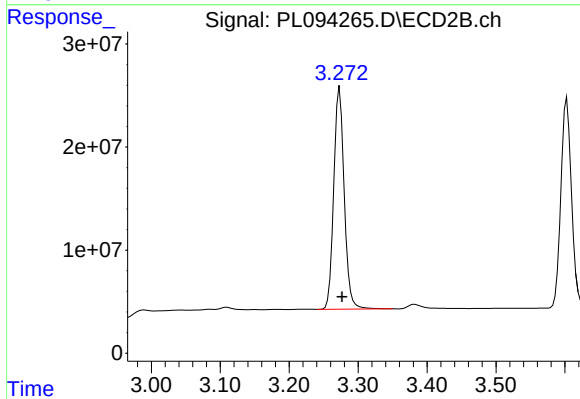
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 67851609
Conc: 20.79 ng/ml



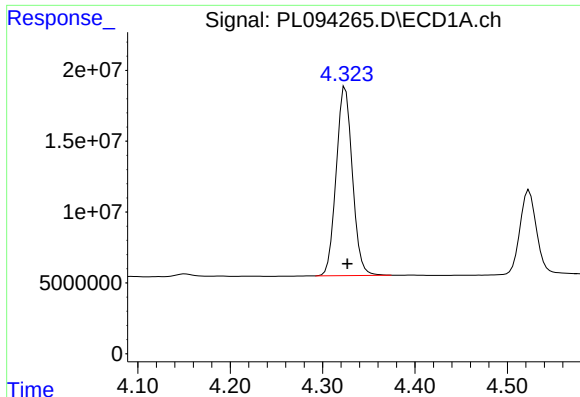
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 167237733
Conc: 43.62 ng/ml



#2 alpha-BHC

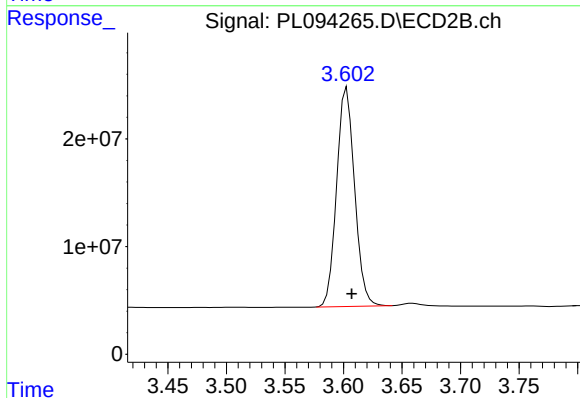
R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 226561583
Conc: 46.34 ng/ml



#3 gamma-BHC (Lindane)

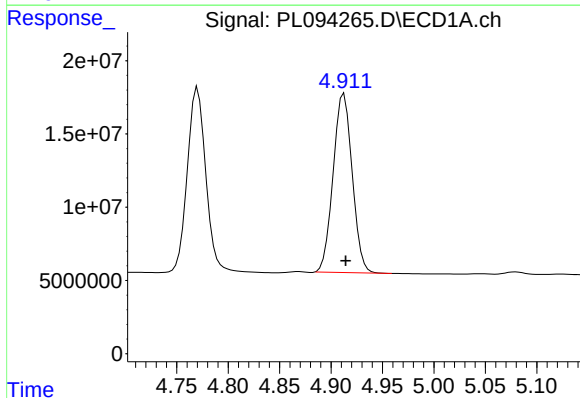
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 162125400
Conc: 44.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



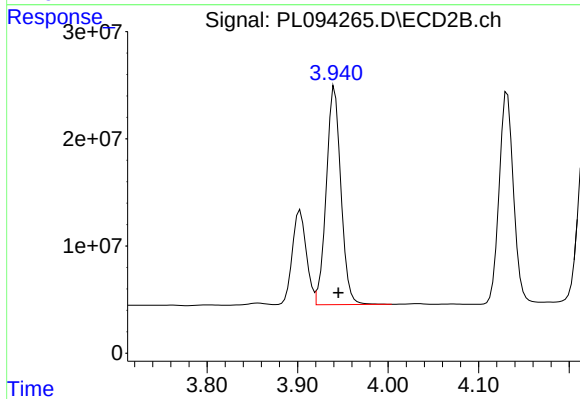
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 217073832
Conc: 45.78 ng/ml



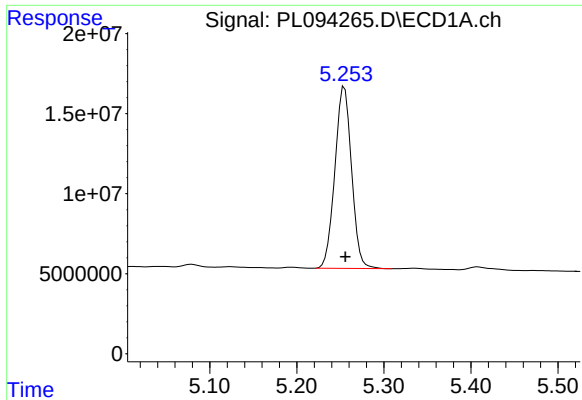
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 157321491
Conc: 48.00 ng/ml



#4 Heptachlor

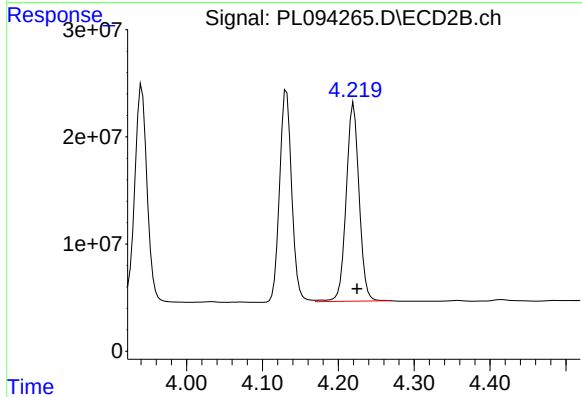
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 229226081
Conc: 49.25 ng/ml



#5 Aldrin

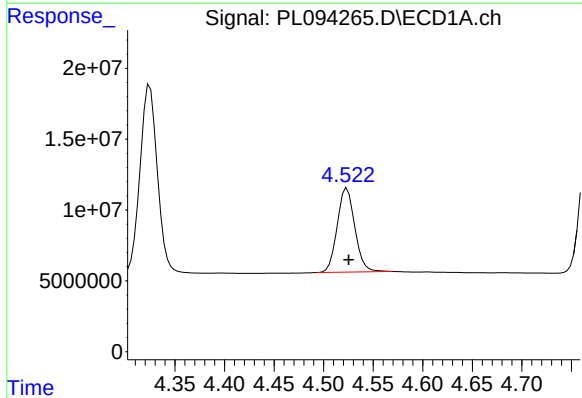
R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 151116435
Conc: 46.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



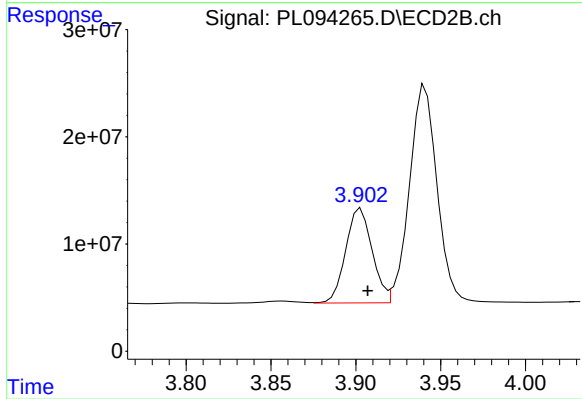
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 219008221
Conc: 48.01 ng/ml



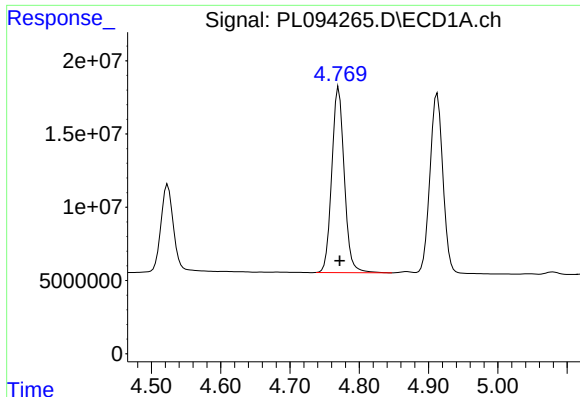
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 73475546
Conc: 45.71 ng/ml



#6 beta-BHC

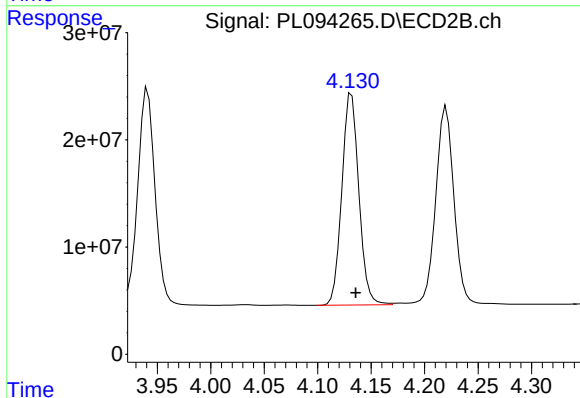
R.T.: 3.903 min
Delta R.T.: -0.004 min
Response: 95546942
Conc: 47.83 ng/ml



#7 delta-BHC

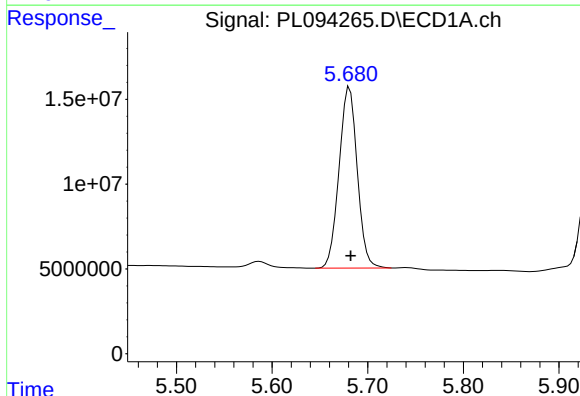
R.T.: 4.770 min
Delta R.T.: -0.001 min
Response: 158977188
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



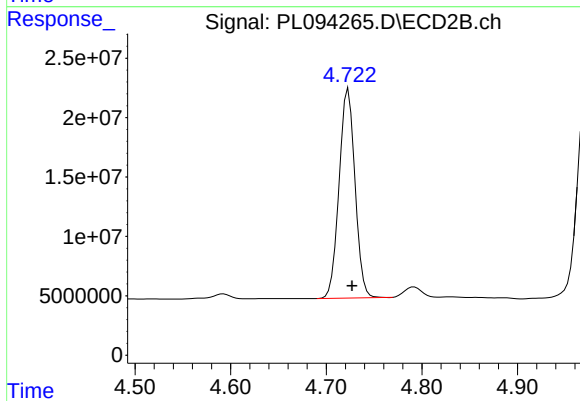
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 218764192
Conc: 46.04 ng/ml



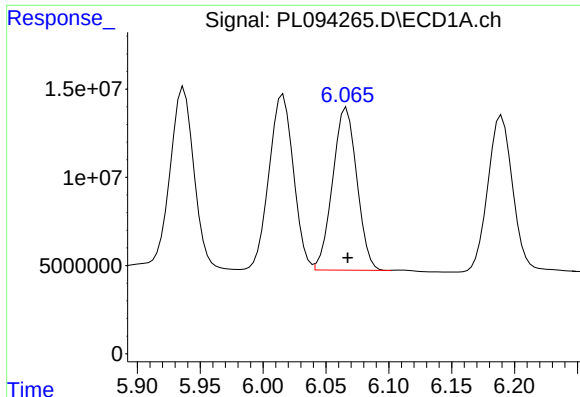
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 141491744
Conc: 47.58 ng/ml



#8 Heptachlor epoxide

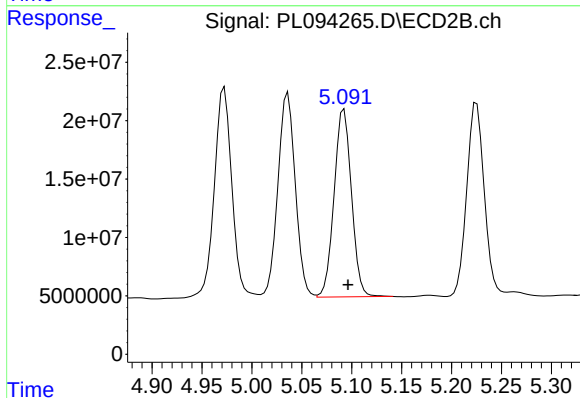
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 203819721
Conc: 48.76 ng/ml



#9 Endosulfan I

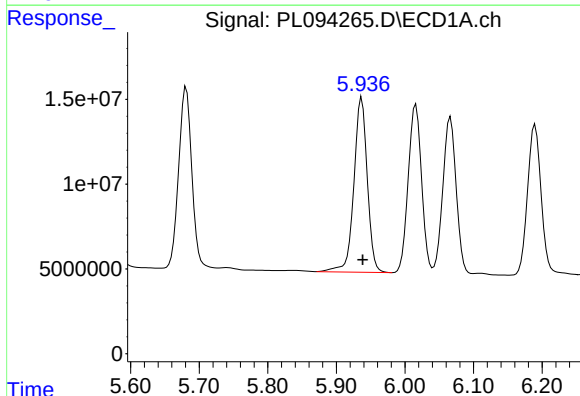
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 123599566
Conc: 46.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



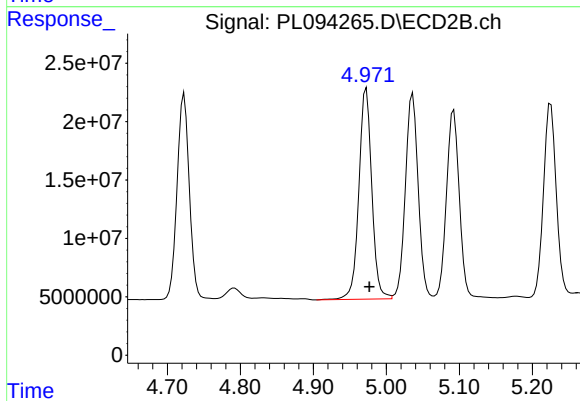
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 195100792
Conc: 50.32 ng/ml



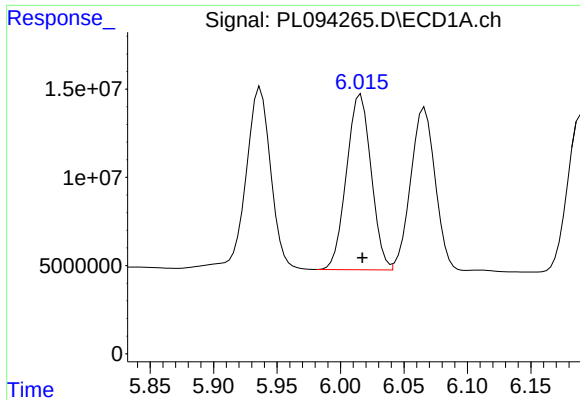
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 139921490
Conc: 50.20 ng/ml



#10 gamma-Chlordane

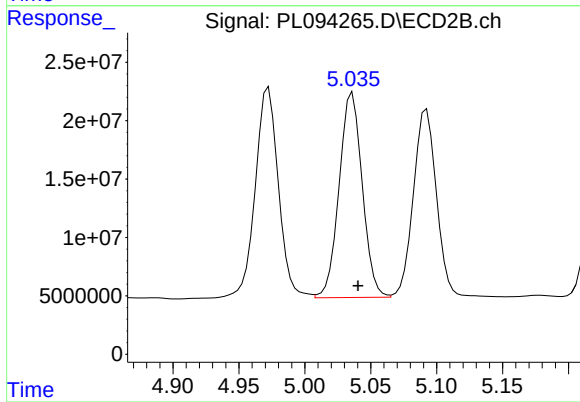
R.T.: 4.973 min
Delta R.T.: -0.005 min
Response: 222486929
Conc: 52.50 ng/ml



#11 alpha-Chlordane

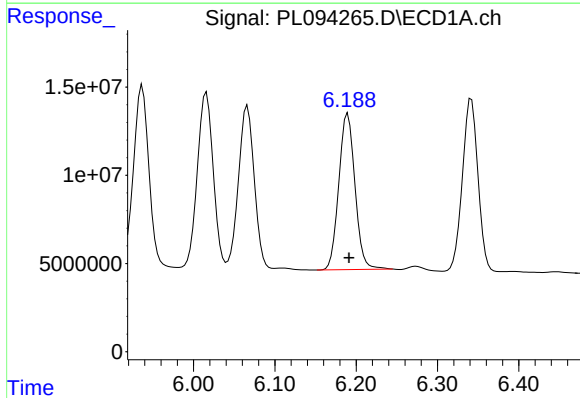
R.T.: 6.016 min
Delta R.T.: -0.001 min
Response: 134264079
Conc: 48.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



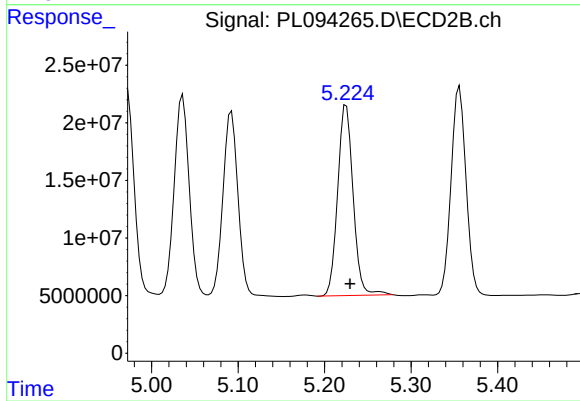
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 214084885
Conc: 51.14 ng/ml



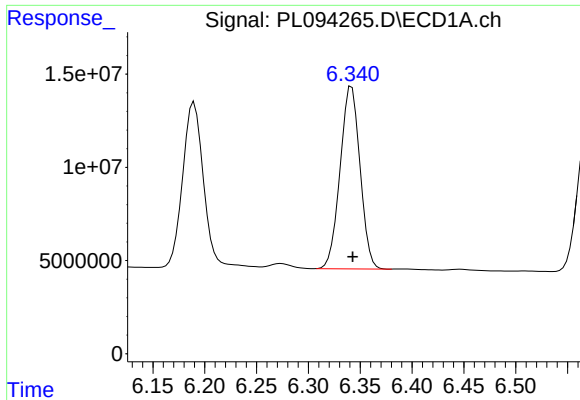
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 122328361
Conc: 50.25 ng/ml



#12 4,4'-DDE

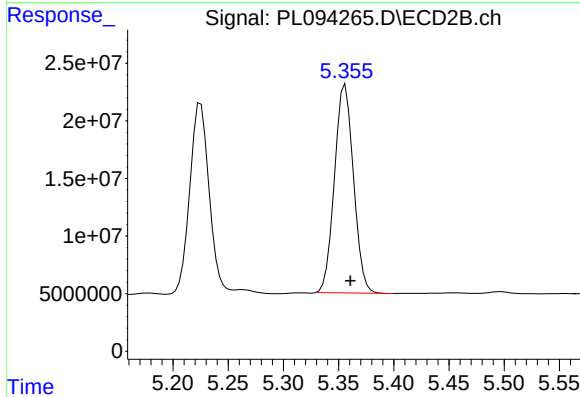
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 204226818
Conc: 50.94 ng/ml



#13 Dieldrin

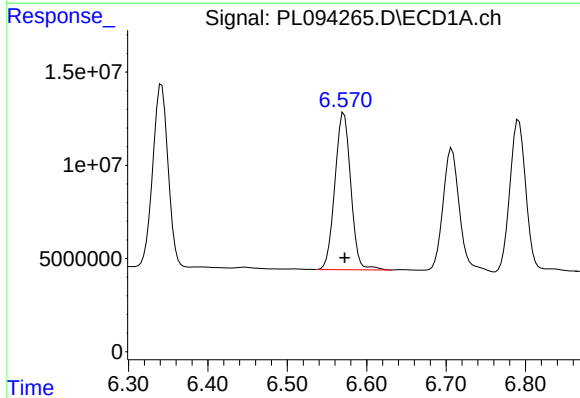
R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 131008350
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



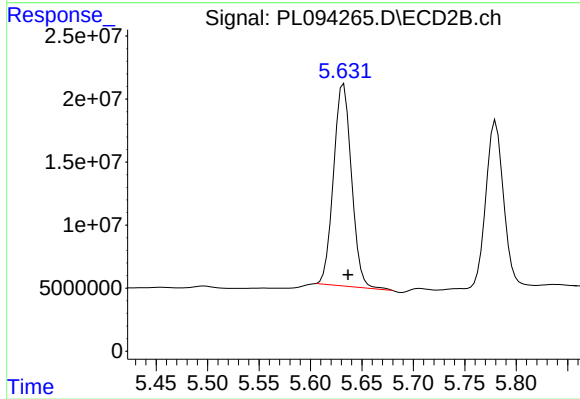
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 216794067
Conc: 50.47 ng/ml



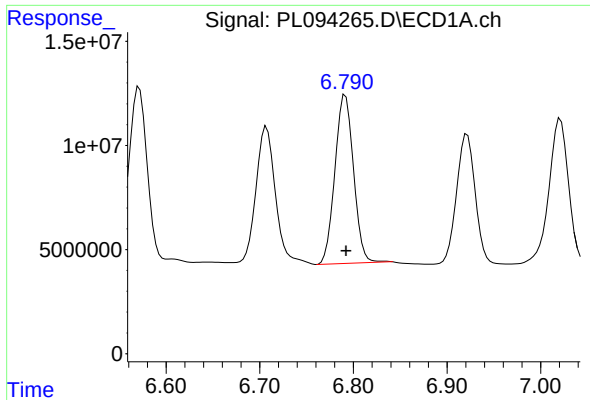
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 116923882
Conc: 49.86 ng/ml



#14 Endrin

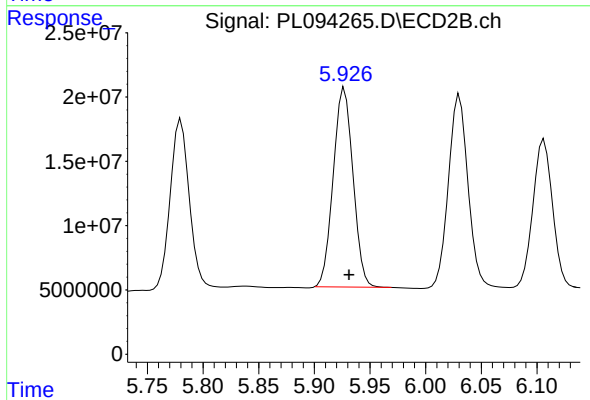
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 194898211
Conc: 52.78 ng/ml



#15 Endosulfan II

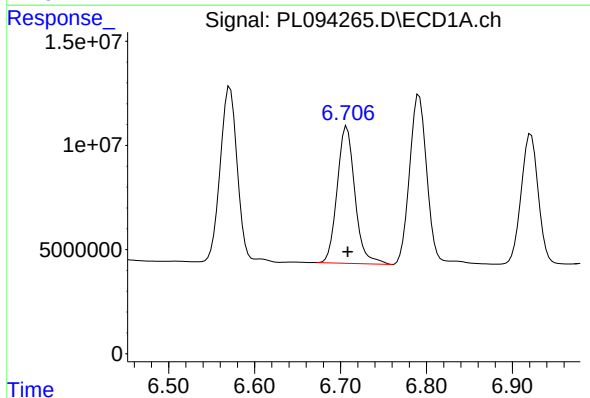
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 111713703
Conc: 46.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



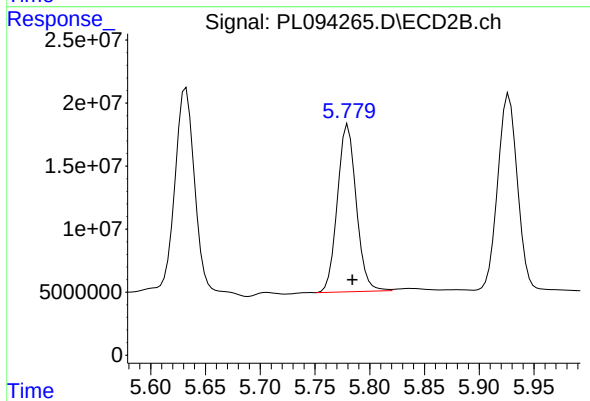
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 191762150
Conc: 51.77 ng/ml



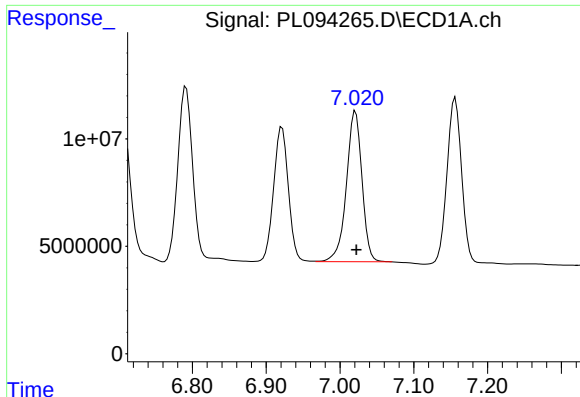
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 94344403
Conc: 49.64 ng/ml



#16 4,4'-DDD

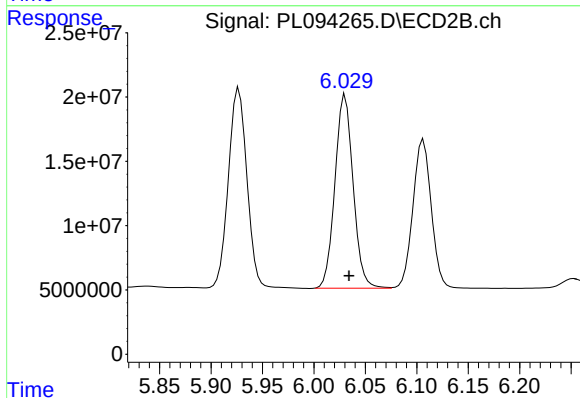
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 158949073
Conc: 50.36 ng/ml



#17 4,4'-DDT

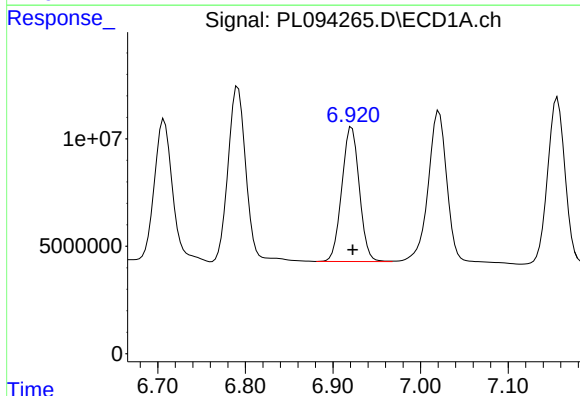
R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 102937585
Conc: 52.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



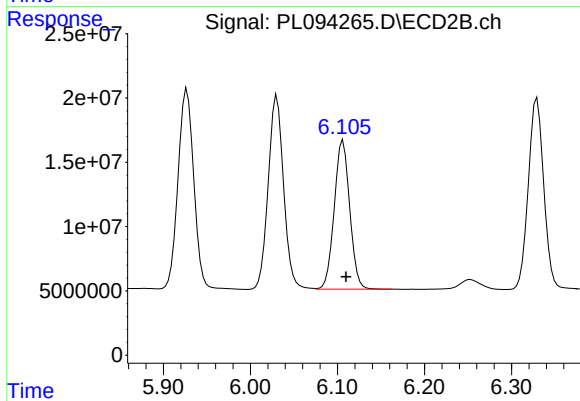
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 185152467
Conc: 56.90 ng/ml



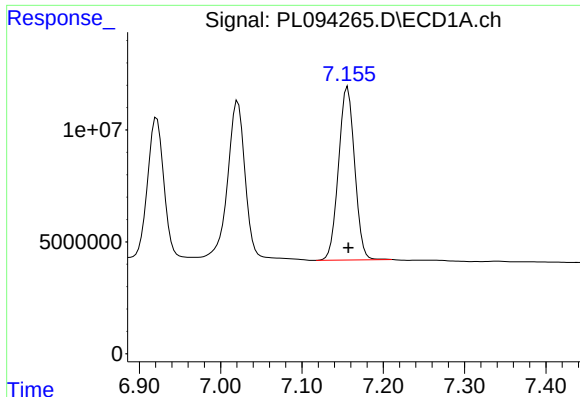
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 86876693
Conc: 44.69 ng/ml



#18 Endrin aldehyde

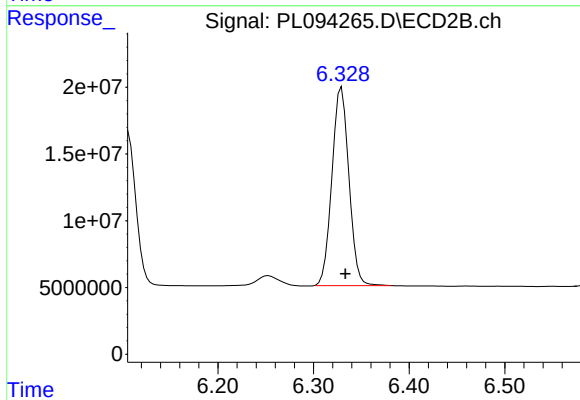
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 143253418
Conc: 47.05 ng/ml



#19 Endosulfan Sulfate

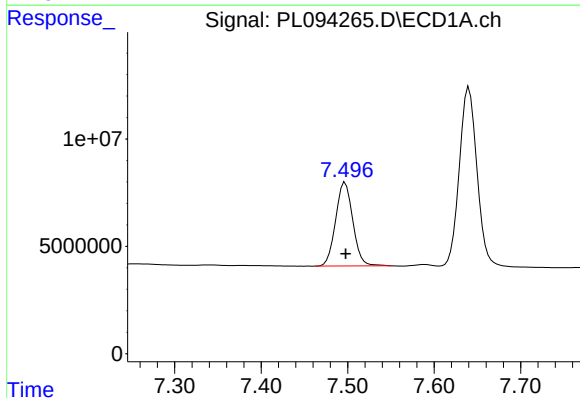
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 106585093
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



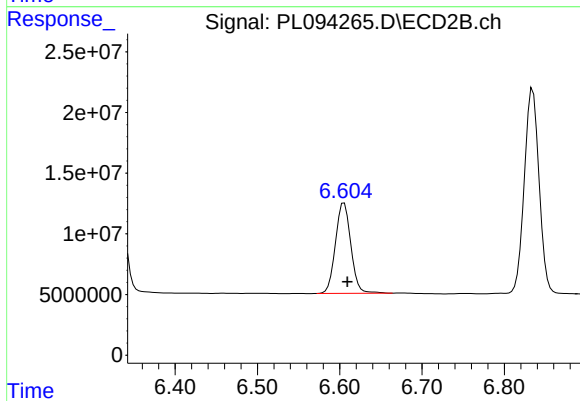
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 183020368
Conc: 51.32 ng/ml



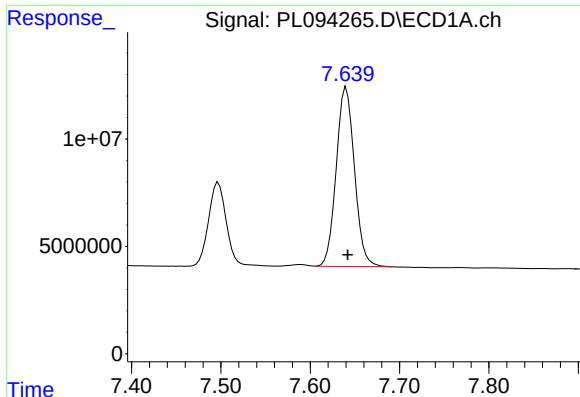
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 53625065
Conc: 51.39 ng/ml



#20 Methoxychlor

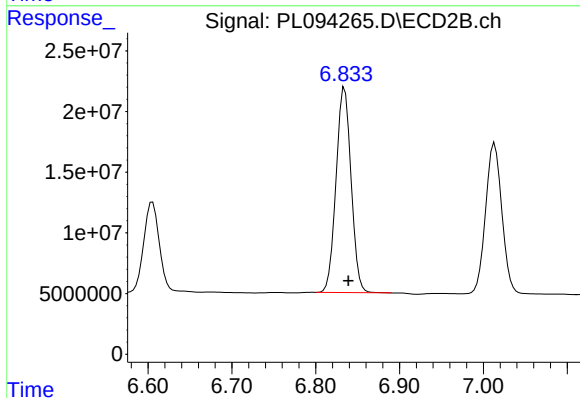
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 96875109
Conc: 54.18 ng/ml



#21 Endrin ketone

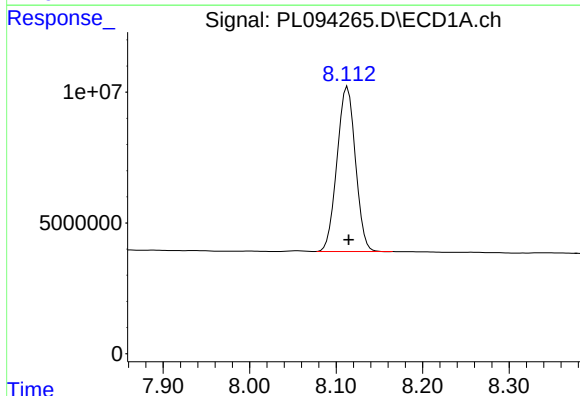
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 118251548
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



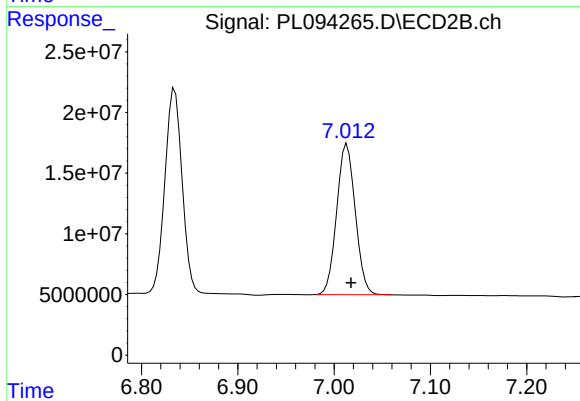
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 210258906
Conc: 50.12 ng/ml



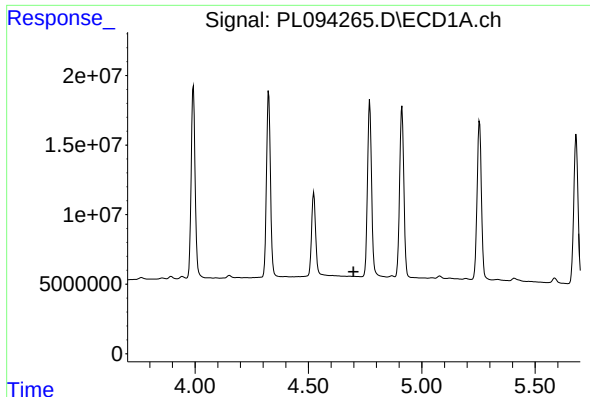
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.001 min
Response: 92956980
Conc: 44.64 ng/ml



#22 Mirex

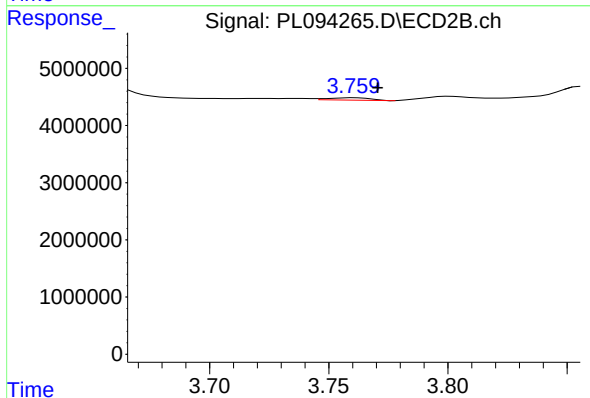
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 166583527
Conc: 49.26 ng/ml



#23 Chlordane-1

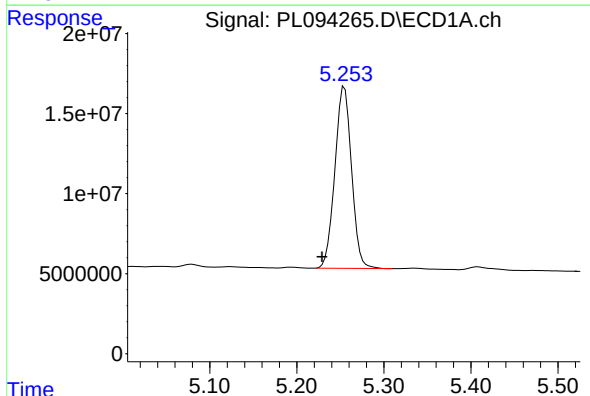
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



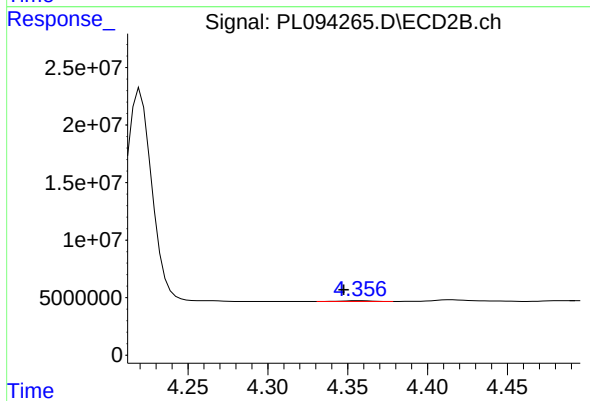
#23 Chlordane-1

R.T.: 3.761 min
Delta R.T.: -0.010 min
Response: 504803
Conc: 4.04 ng/ml



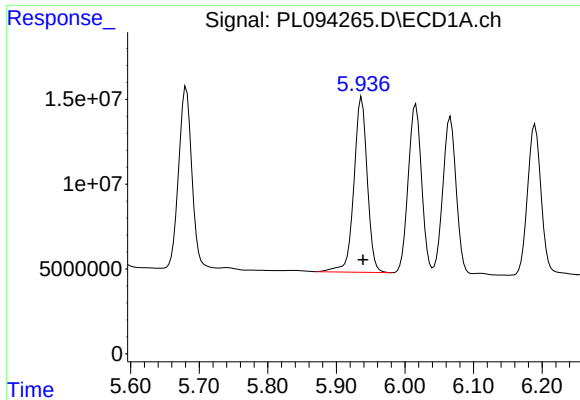
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.026 min
Response: 151116435
Conc: 1290.70 ng/ml



#24 Chlordane-2

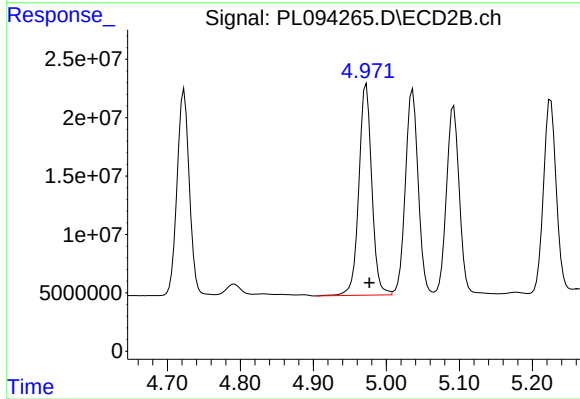
R.T.: 4.357 min
Delta R.T.: 0.010 min
Response: 923894
Conc: 6.30 ng/ml



#25 Chlordane-3

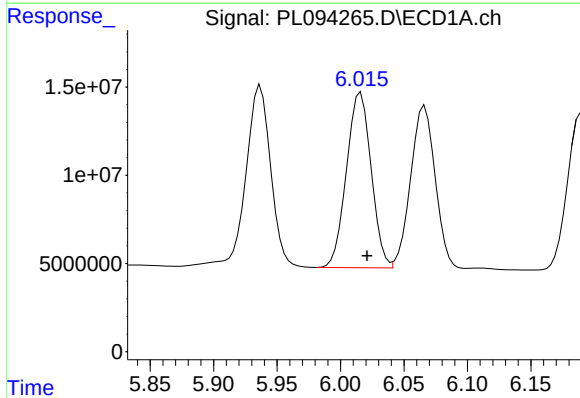
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 139921490
Conc: 356.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



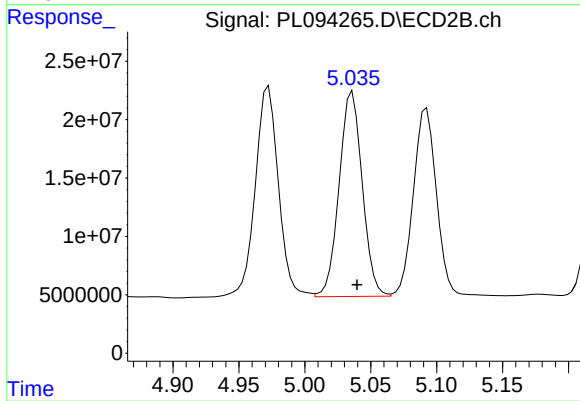
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222486929
Conc: 511.67 ng/ml



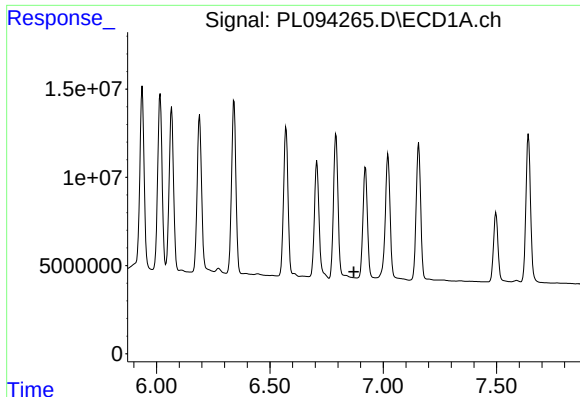
#26 Chlordane-4

R.T.: 6.016 min
Delta R.T.: -0.005 min
Response: 134264079
Conc: 285.60 ng/ml



#26 Chlordane-4

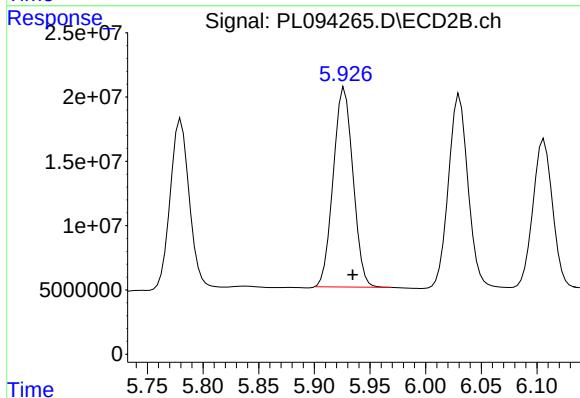
R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 214084885
Conc: 505.31 ng/ml



#27 Chlordane-5

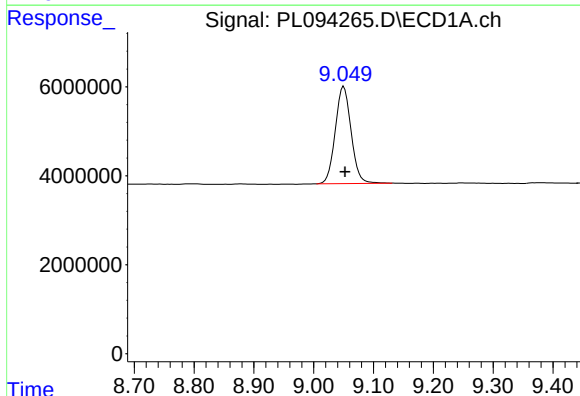
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MS



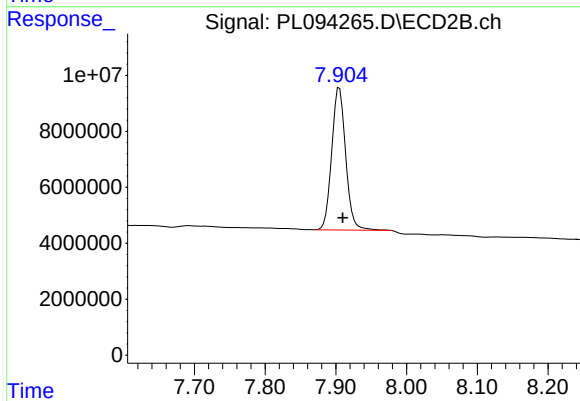
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 191762150
Conc: 1252.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 40173610
Conc: 19.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 69855129
Conc: 19.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094266.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:39
 Operator : AR\AJ
 Sample : Q1382-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-01-021725MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:12:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	77401399	67579309	28.744	20.703 #
28)	SA Decachlor...	9.051	7.906	38394438	68693428	18.354	19.604
Target Compounds							
2)	A alpha-BHC	3.993	3.274	165.7E6	222.9E6	43.213	45.598
3)	MA gamma-BHC...	4.325	3.604	160.5E6	214.0E6	43.592	45.141
4)	MA Heptachlor	4.913	3.942	154.9E6	225.4E6	47.264	48.432
5)	MB Aldrin	5.254	4.221	149.5E6	215.3E6	45.704	47.196
6)	B beta-BHC	4.524	3.904	72853601	94239368	45.326	47.180
7)	B delta-BHC	4.771	4.133	158.8E6	216.4E6	45.290	45.537
8)	B Heptachlo...	5.681	4.724	139.1E6	200.5E6	46.784	47.973
9)	A Endosulfan I	6.067	5.093	123.2E6	191.9E6	46.620	49.487
10)	B gamma-Chl...	5.937	4.973	138.7E6	219.4E6	49.764	51.770
11)	B alpha-Chl...	6.015	5.037	133.1E6	210.2E6	47.738	50.197
12)	B 4,4'-DDE	6.190	5.226	121.5E6	199.3E6	49.921	49.712
13)	MA Dieldrin	6.341	5.357	130.3E6	214.5E6	46.931	49.927
14)	MA Endrin	6.571	5.633	115.1E6	192.7E6	49.092	52.174
15)	B Endosulfa...	6.792	5.927	110.9E6	192.1E6	46.042	51.871
16)	A 4,4'-DDD	6.707	5.781	94547778	156.7E6	49.747	49.651
17)	MA 4,4'-DDT	7.021	6.030	101.3E6	183.0E6	51.347	56.224
18)	B Endrin al...	6.921	6.107	87216646	144.3E6	44.863	47.391
19)	B Endosulfa...	7.156	6.330	106.1E6	179.6E6	46.881	50.377
20)	A Methoxychlor	7.497	6.606	53796982	95500192	51.559	53.408
21)	B Endrin ke...	7.641	6.835	117.9E6	208.4E6	46.719	49.675
22)	Mirex	8.113	7.014	92349398	168.7E6	44.346	49.892
23)	Chlordane-1	0.000	3.762	0	437661	N.D.	3.507 #
24)	Chlordane-2	5.254f	4.355	149.5E6	1372591	1277.261	9.355 #
25)	Chlordane-3	5.937	4.973	138.7E6	219.4E6	353.613	504.531 #
26)	Chlordane-4	6.015	5.037	133.1E6	210.2E6	283.154	496.034 #
27)	Chlordane-5	0.000	5.927	0	192.1E6	N.D.	1254.360 #

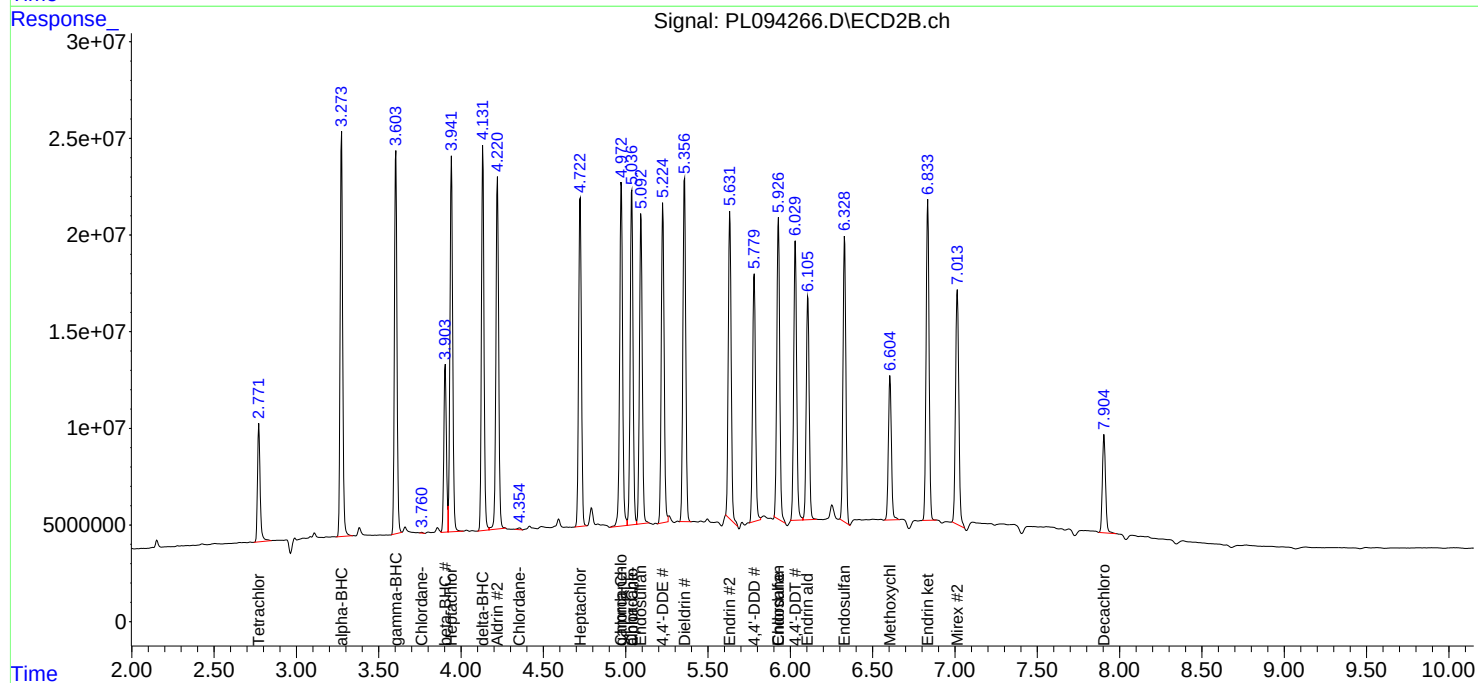
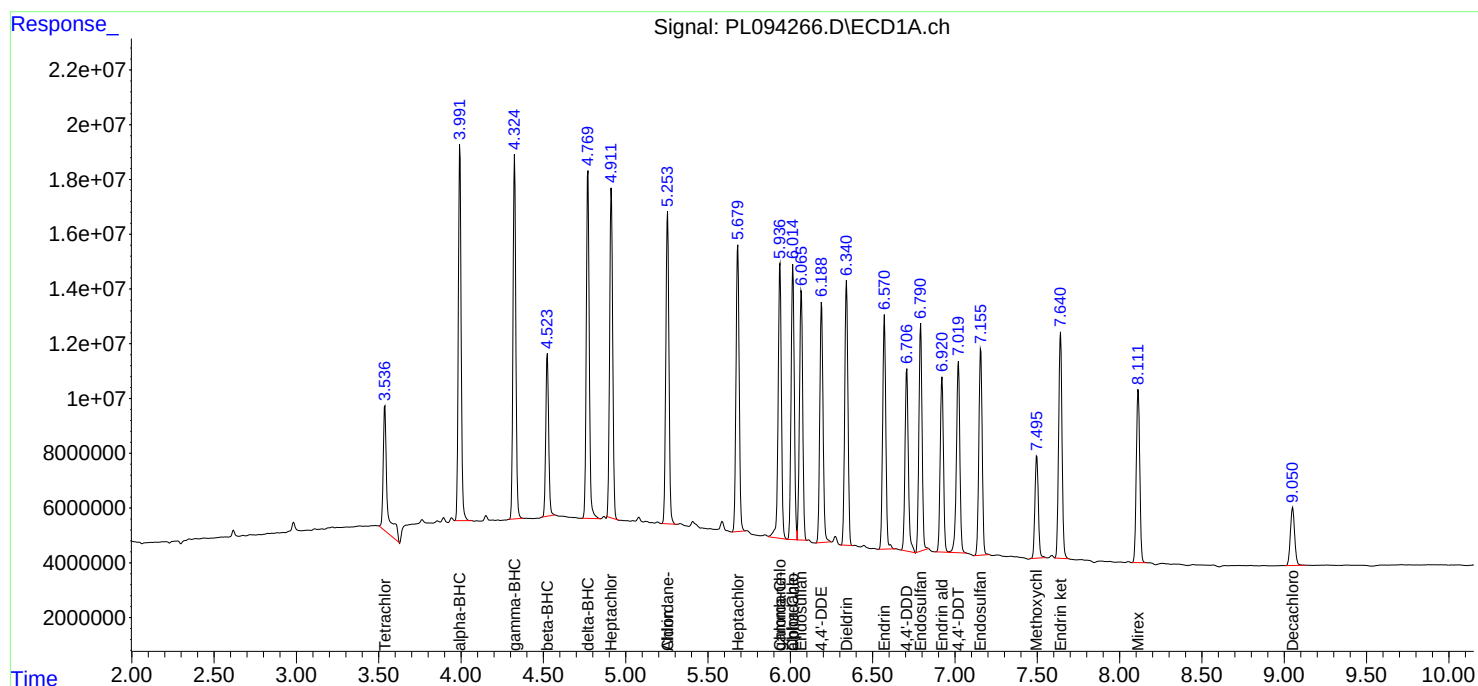
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

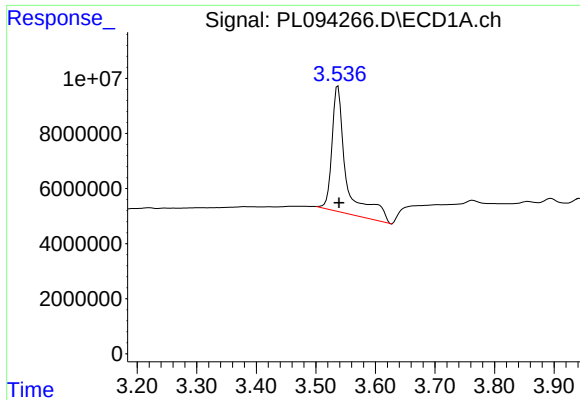
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094266.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:39
Operator : AR\AJ
Sample : Q1382-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

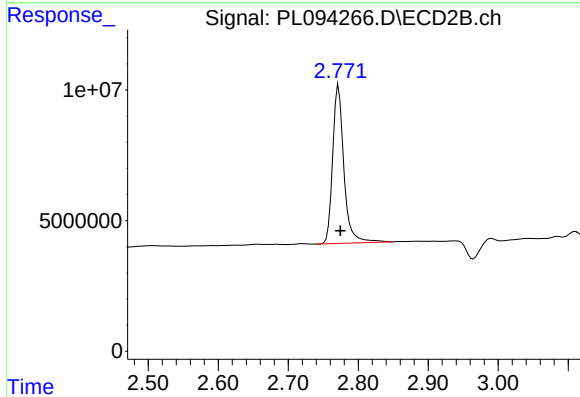




#1 Tetrachloro-m-xylene

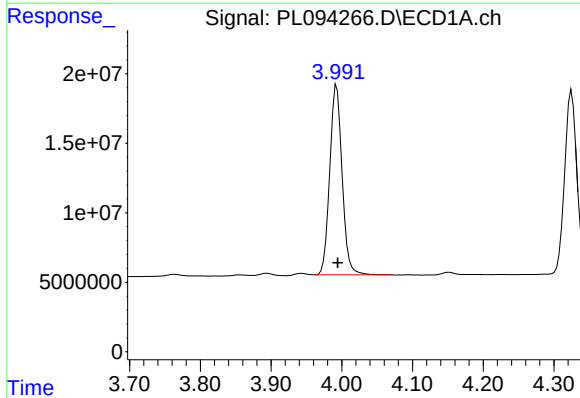
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 77401399
Conc: 28.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



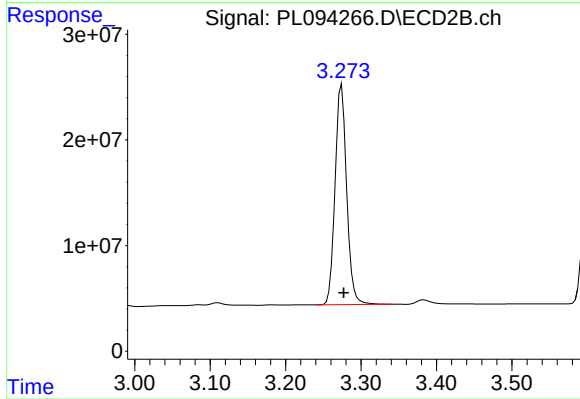
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 67579309
Conc: 20.70 ng/ml



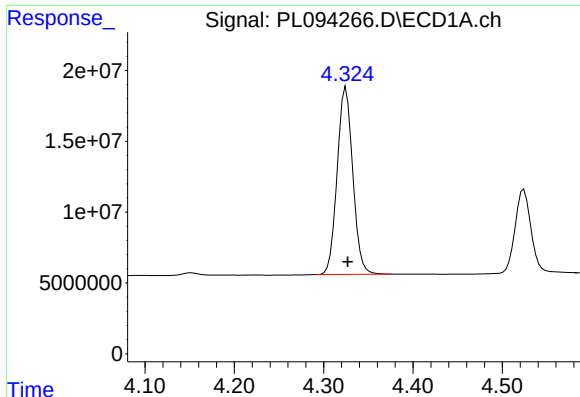
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 165673374
Conc: 43.21 ng/ml



#2 alpha-BHC

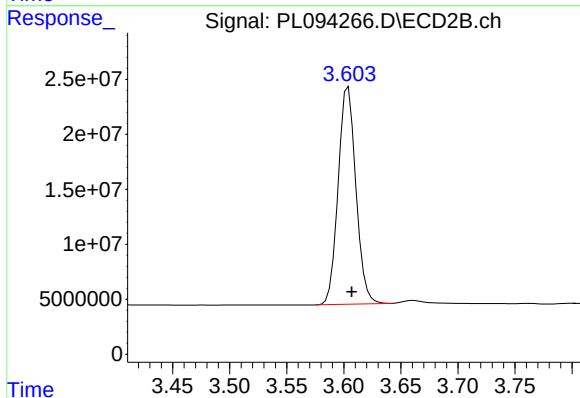
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 222929719
Conc: 45.60 ng/ml



#3 gamma-BHC (Lindane)

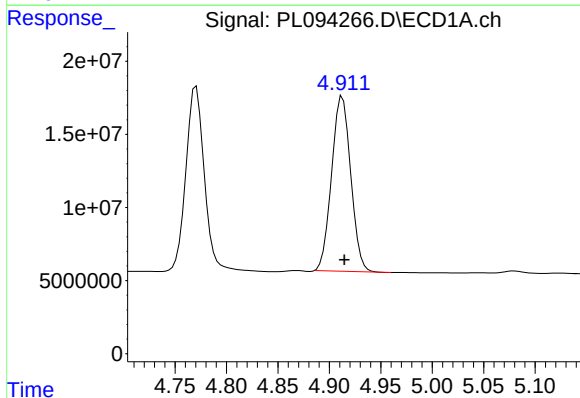
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 160543329
Conc: 43.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



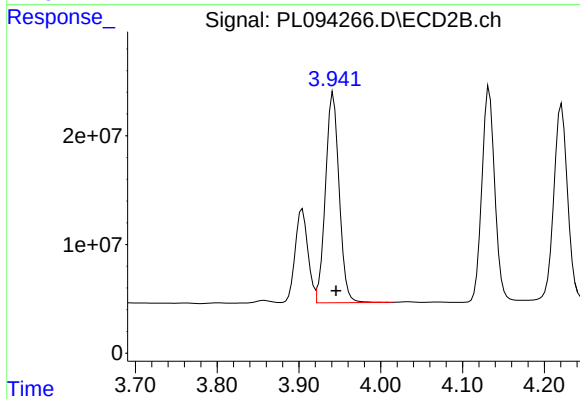
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 214024463
Conc: 45.14 ng/ml



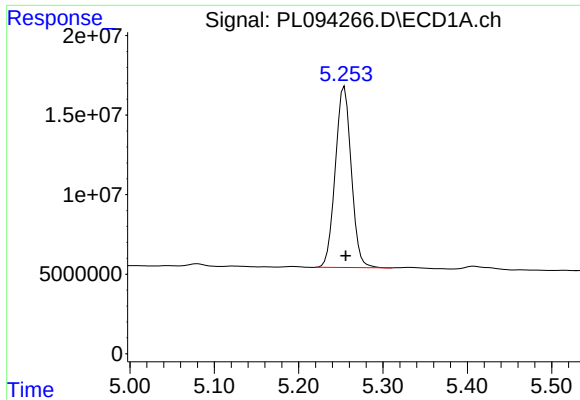
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 154899336
Conc: 47.26 ng/ml



#4 Heptachlor

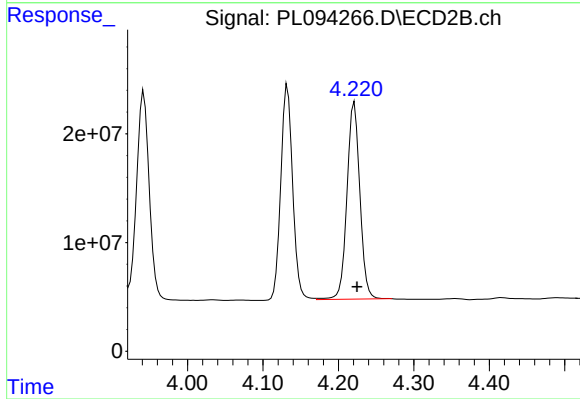
R.T.: 3.942 min
Delta R.T.: -0.003 min
Response: 225439285
Conc: 48.43 ng/ml



#5 Aldrin

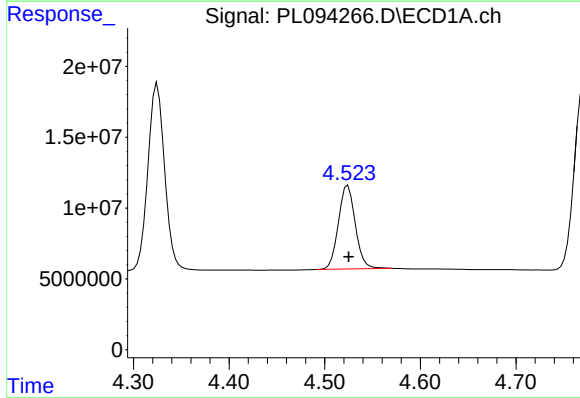
R.T.: 5.254 min
Delta R.T.: -0.001 min
Response: 149542624
Conc: 45.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



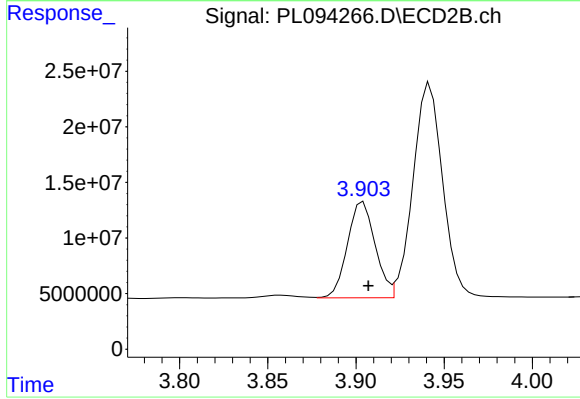
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.003 min
Response: 215297802
Conc: 47.20 ng/ml



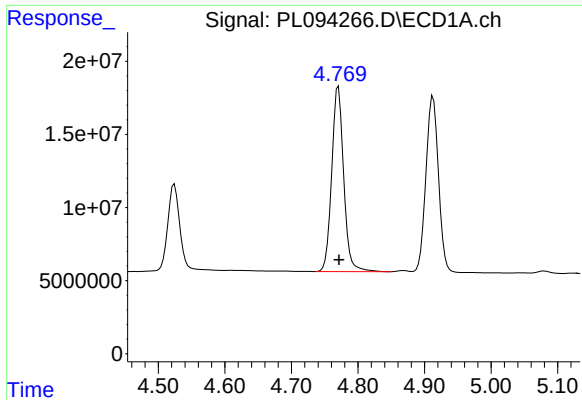
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 72853601
Conc: 45.33 ng/ml



#6 beta-BHC

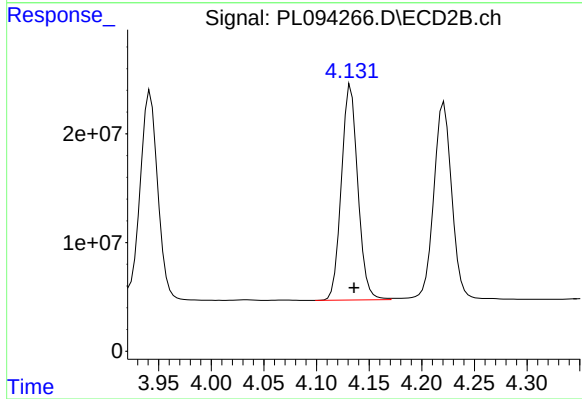
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 94239368
Conc: 47.18 ng/ml



#7 delta-BHC

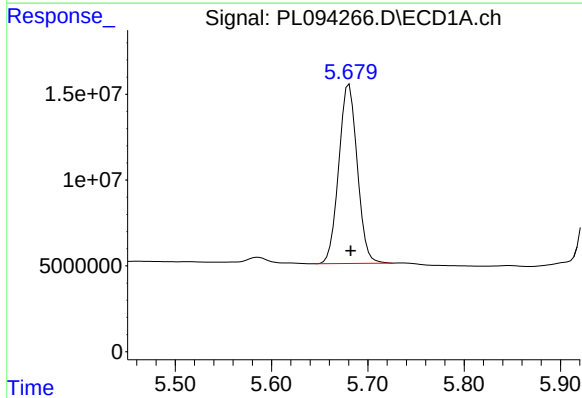
R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 158753471
Conc: 45.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



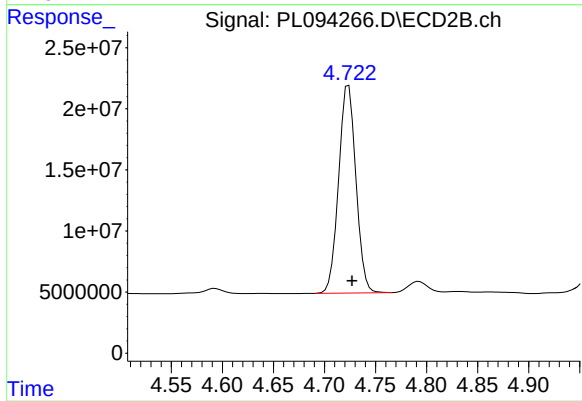
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 216357449
Conc: 45.54 ng/ml



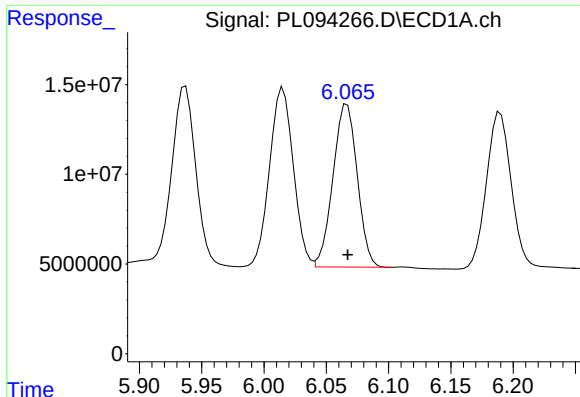
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 139128244
Conc: 46.78 ng/ml



#8 Heptachlor epoxide

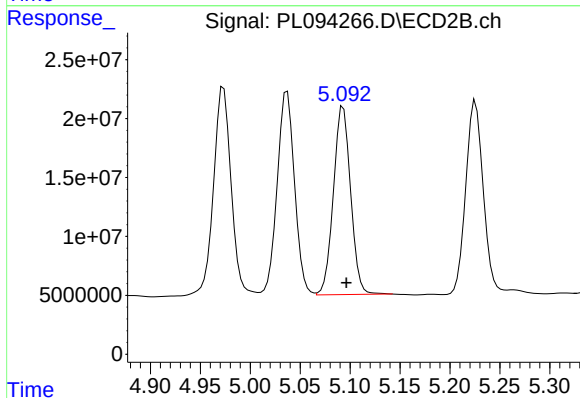
R.T.: 4.724 min
Delta R.T.: -0.003 min
Response: 200538971
Conc: 47.97 ng/ml



#9 Endosulfan I

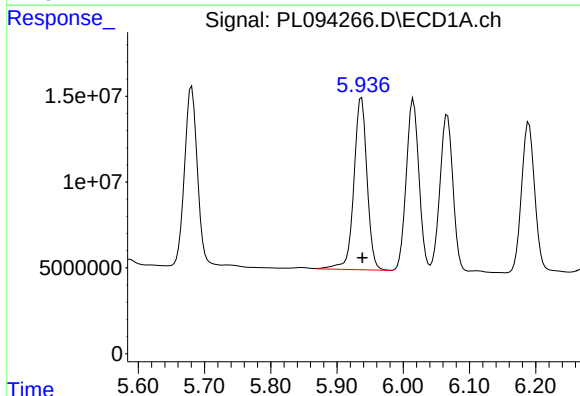
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 123211168
Conc: 46.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



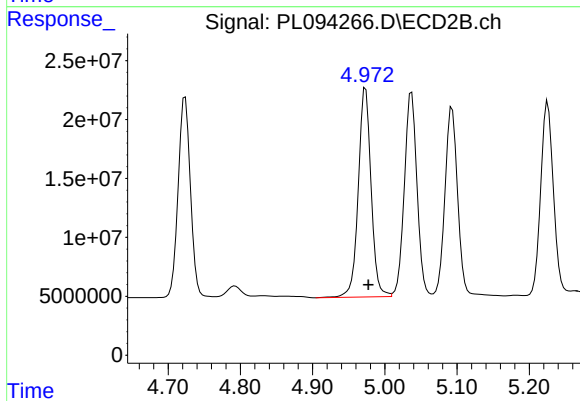
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 191857319
Conc: 49.49 ng/ml



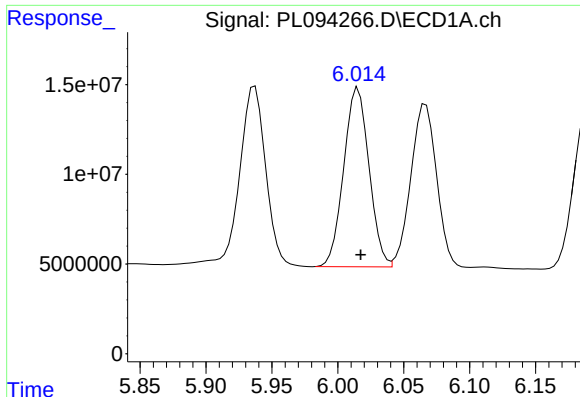
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.001 min
Response: 138710185
Conc: 49.76 ng/ml



#10 gamma-Chlordane

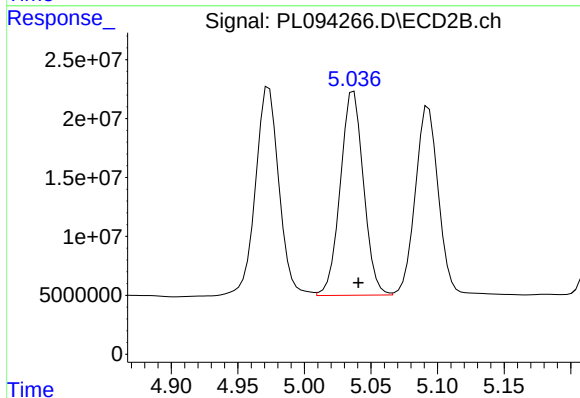
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 219380858
Conc: 51.77 ng/ml



#11 alpha-Chlordane

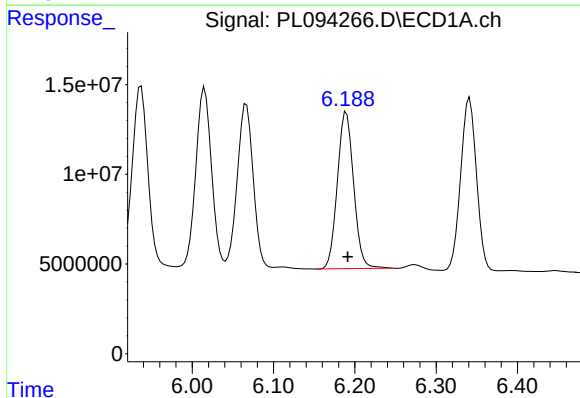
R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 133112554
Conc: 47.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



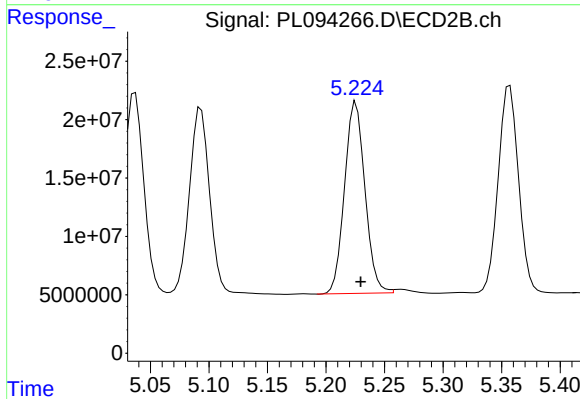
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 210153881
Conc: 50.20 ng/ml



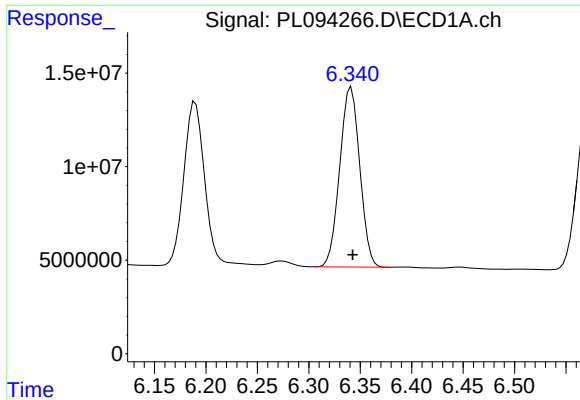
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 121537481
Conc: 49.92 ng/ml



#12 4,4'-DDE

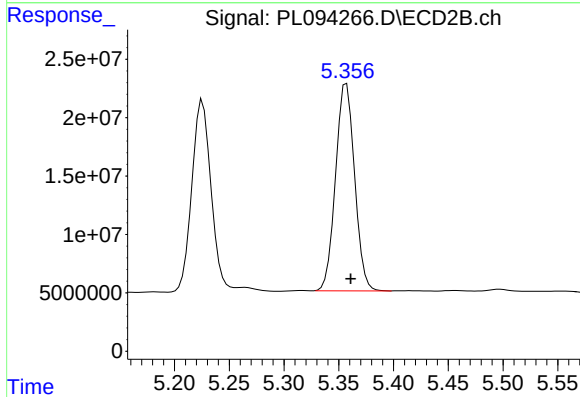
R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 199320274
Conc: 49.71 ng/ml



#13 Dieldrin

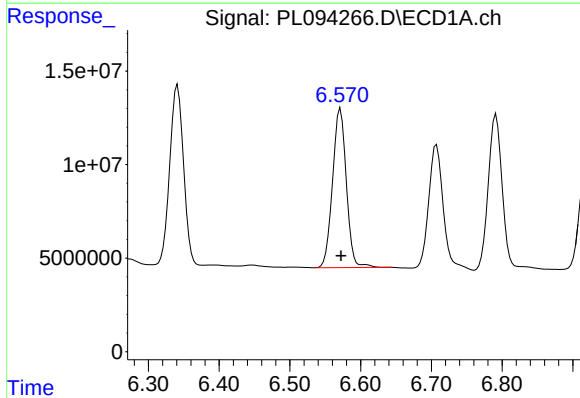
R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 130274658
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



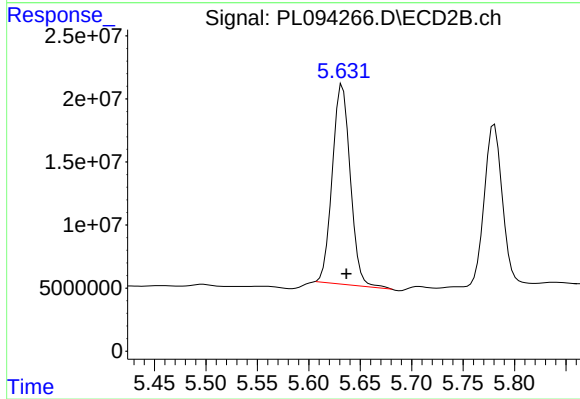
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 214470414
Conc: 49.93 ng/ml



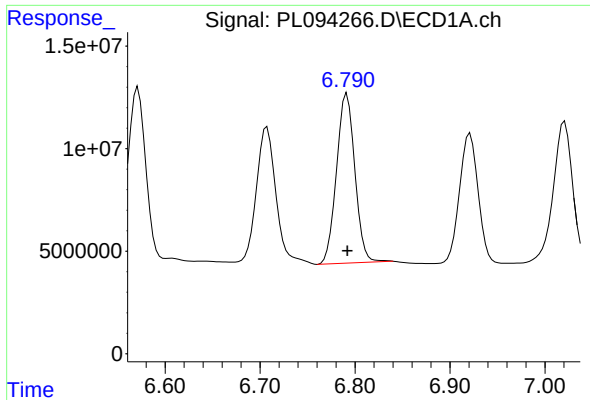
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 115112031
Conc: 49.09 ng/ml



#14 Endrin

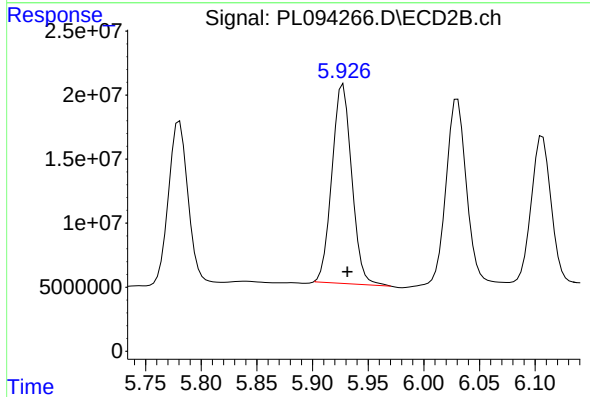
R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 192661472
Conc: 52.17 ng/ml



#15 Endosulfan II

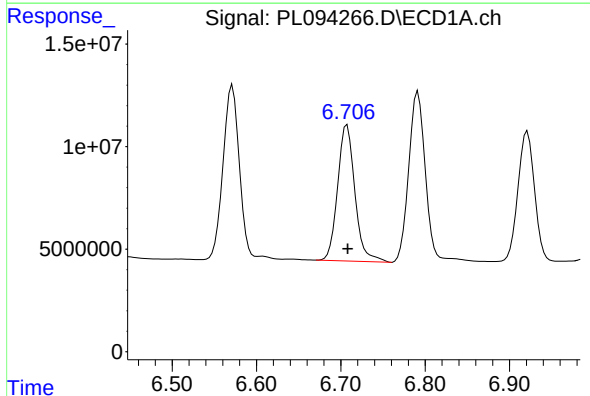
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 110932086
Conc: 46.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



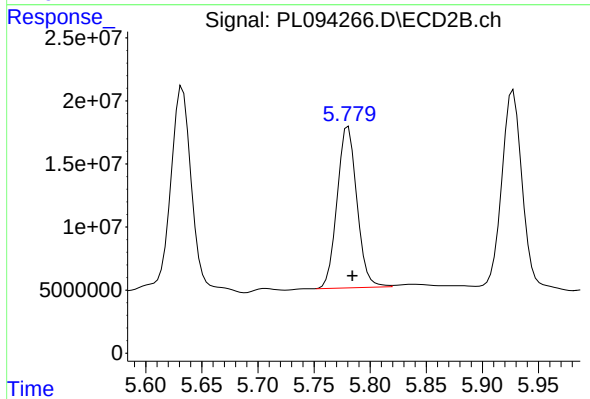
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 192121346
Conc: 51.87 ng/ml



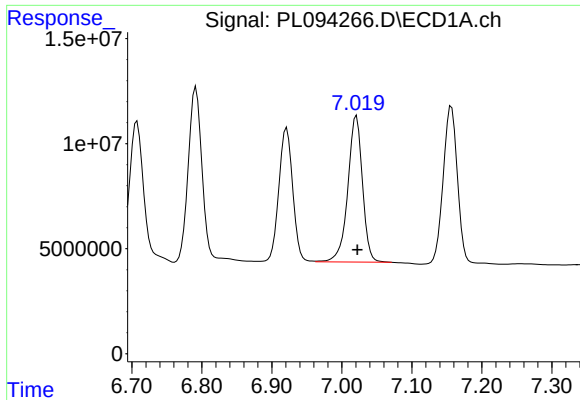
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 94547778
Conc: 49.75 ng/ml



#16 4,4'-DDD

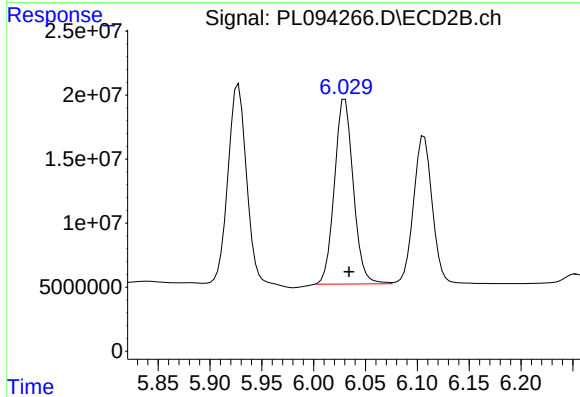
R.T.: 5.781 min
Delta R.T.: -0.004 min
Response: 156724543
Conc: 49.65 ng/ml



#17 4,4'-DDT

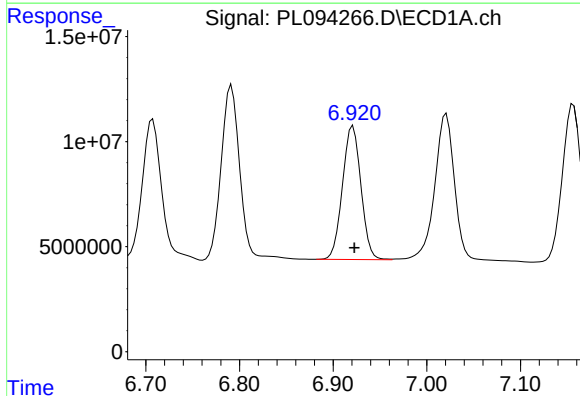
R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 101258805
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



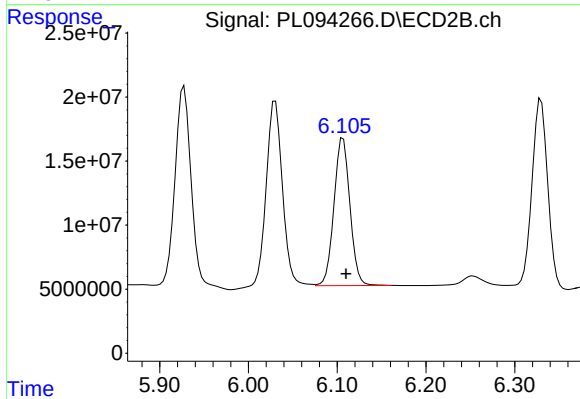
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 182956889
Conc: 56.22 ng/ml



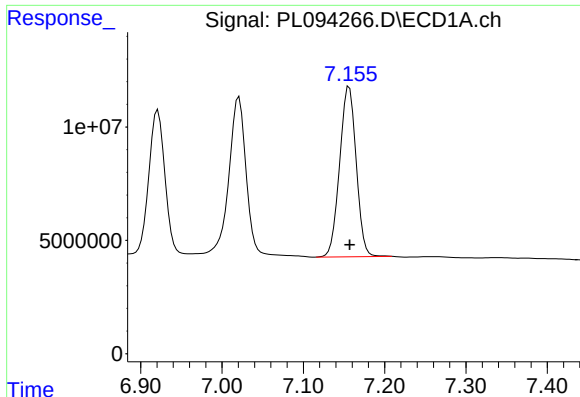
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 87216646
Conc: 44.86 ng/ml



#18 Endrin aldehyde

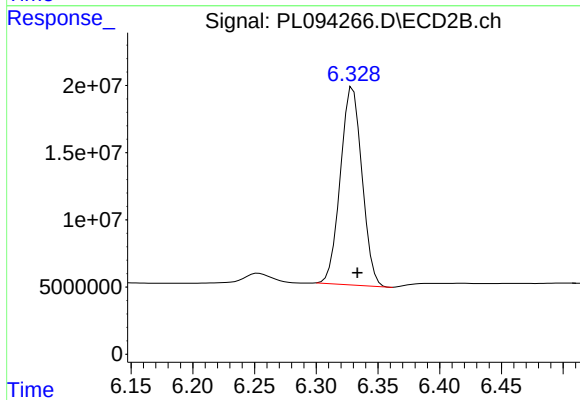
R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 144287253
Conc: 47.39 ng/ml



#19 Endosulfan Sulfate

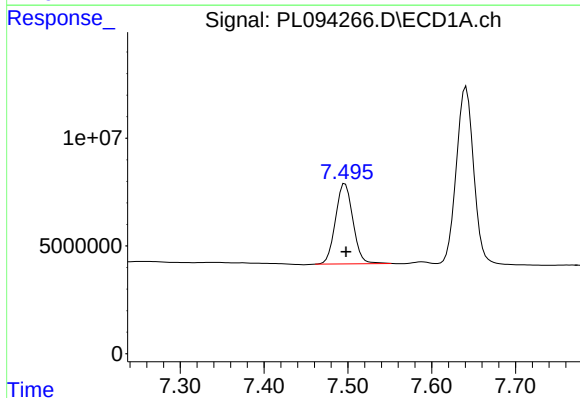
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 106125577
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



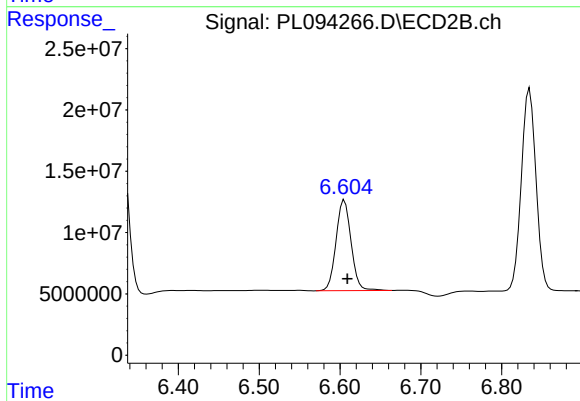
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.004 min
Response: 179647564
Conc: 50.38 ng/ml



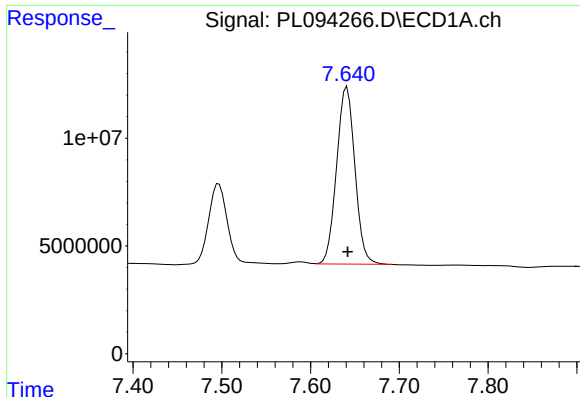
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 53796982
Conc: 51.56 ng/ml



#20 Methoxychlor

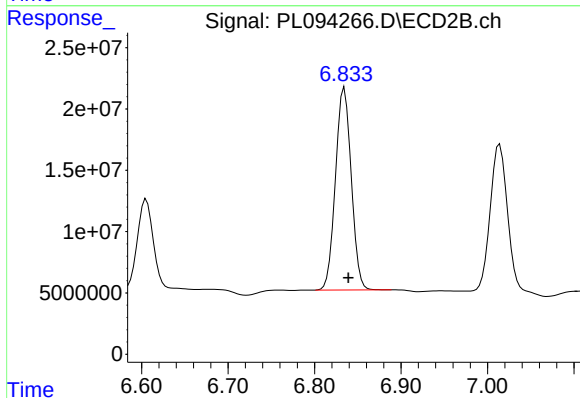
R.T.: 6.606 min
Delta R.T.: -0.004 min
Response: 95500192
Conc: 53.41 ng/ml



#21 Endrin ketone

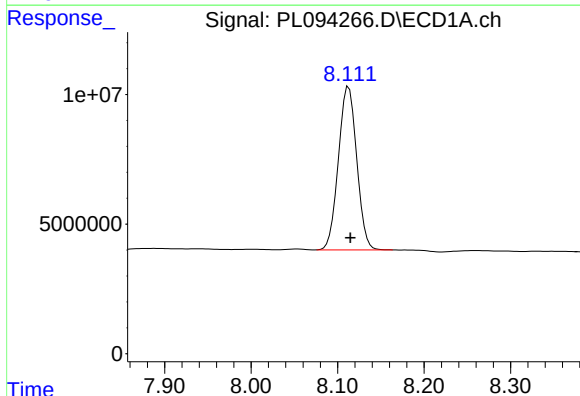
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 117855584
Conc: 46.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



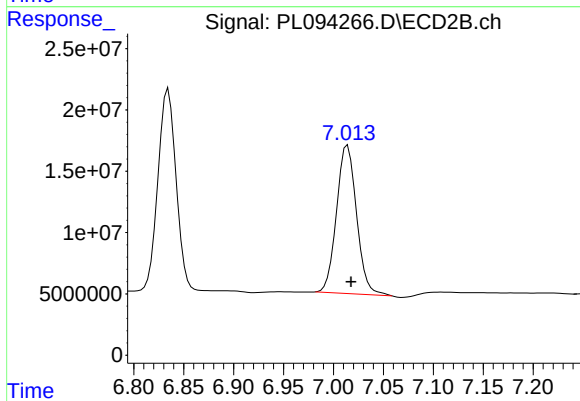
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 208397073
Conc: 49.67 ng/ml



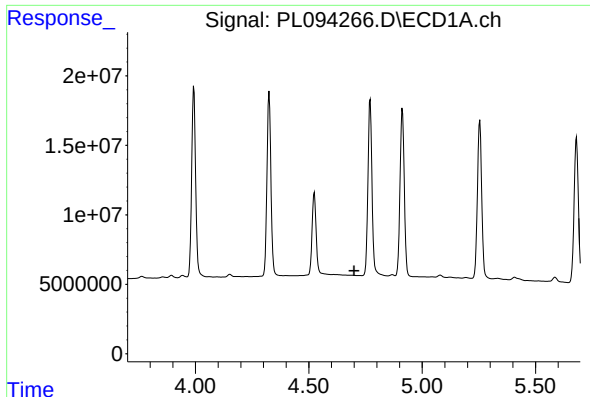
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 92349398
Conc: 44.35 ng/ml



#22 Mirex

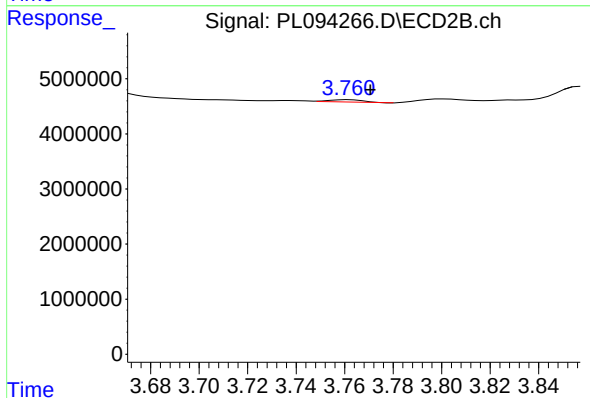
R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 168729843
Conc: 49.89 ng/ml



#23 Chlordane-1

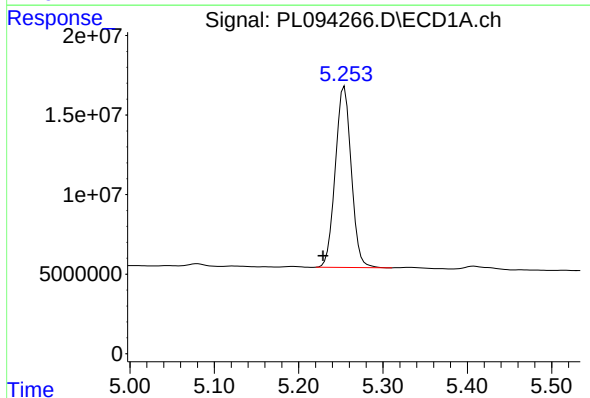
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



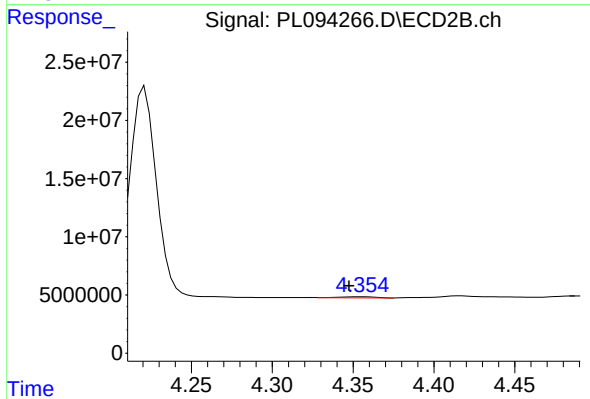
#23 Chlordane-1

R.T.: 3.762 min
Delta R.T.: -0.009 min
Response: 437661
Conc: 3.51 ng/ml



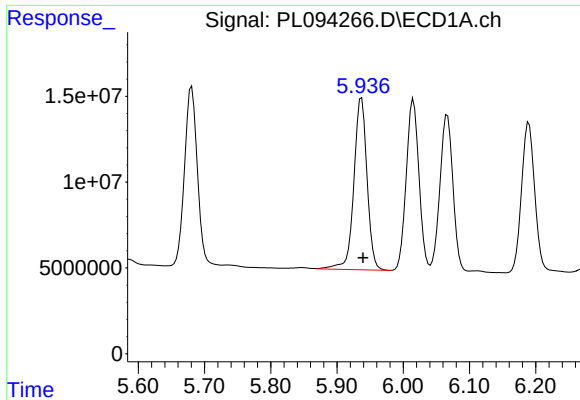
#24 Chlordane-2

R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 149542624
Conc: 1277.26 ng/ml



#24 Chlordane-2

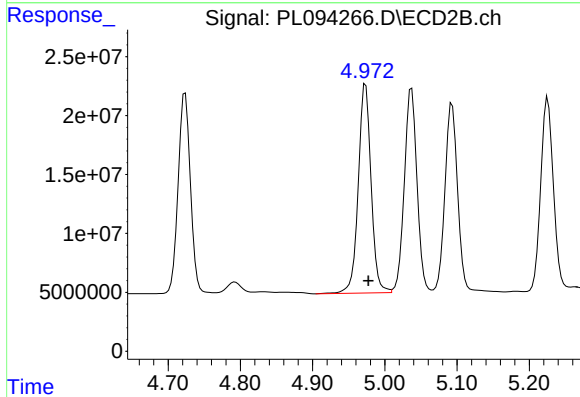
R.T.: 4.355 min
Delta R.T.: 0.008 min
Response: 1372591
Conc: 9.36 ng/ml



#25 Chlordane-3

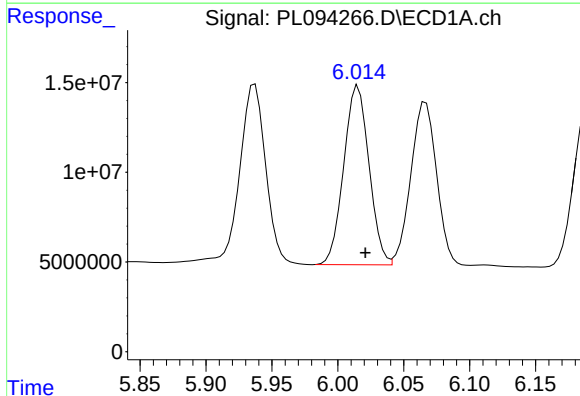
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 138710185
Conc: 353.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



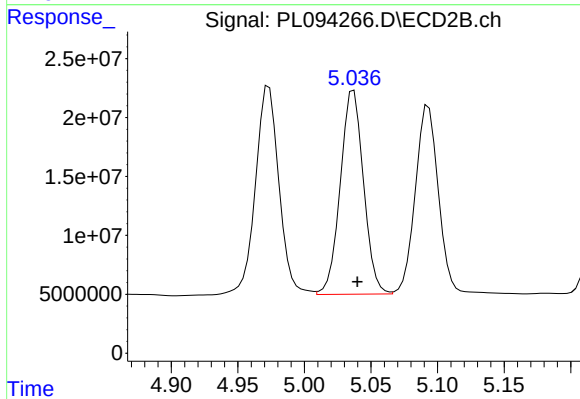
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 219380858
Conc: 504.53 ng/ml



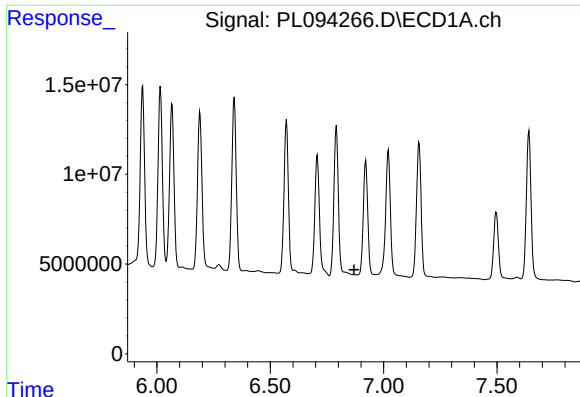
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 133112554
Conc: 283.15 ng/ml



#26 Chlordane-4

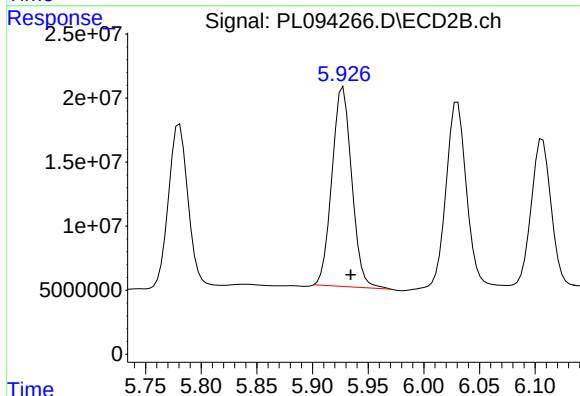
R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 210153881
Conc: 496.03 ng/ml



#27 Chlordane-5

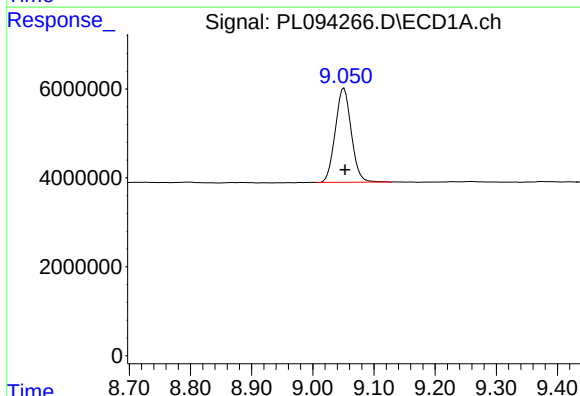
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-01-021725MSD



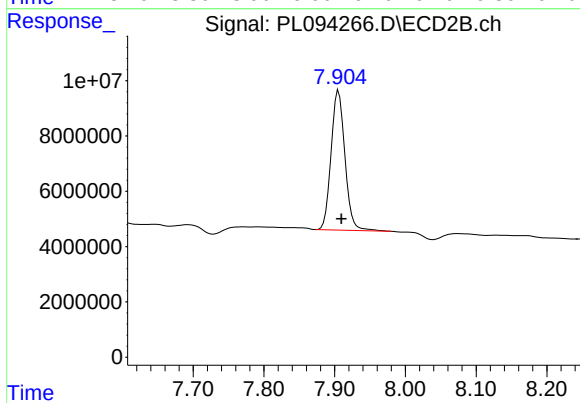
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 192121346
Conc: 1254.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 38394438
Conc: 18.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 68693428
Conc: 19.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094267.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 16:52
 Operator : AR\AJ
 Sample : Q1382-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-02-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	94505659	79188508	35.096	24.260 #
28)	SA Decachlor...	9.050	7.906	48001240	83692907	22.946	23.885
Target Compounds							
2)	A alpha-BHC	0.000	3.266	0	811257	N.D.	0.166 #
3)	MA gamma-BHC...	0.000	3.620	0	172126	N.D.	0.036 #
4)	MA Heptachlor	0.000	3.941	0	218811	N.D.	0.047 #
5)	MB Aldrin	0.000	4.241f	0	595997	N.D.	0.131 #
6)	B beta-BHC	0.000	3.904	0	286071	N.D.	0.143 #
7)	B delta-BHC	0.000	4.123	0	128750	N.D.	0.027 #
9)	A Endosulfan I	0.000	5.096	0	32848	N.D.	0.008 #
10)	B gamma-Chl...	0.000	5.002f	0	960900	N.D.	0.227 #
11)	B alpha-Chl...	0.000	5.024f	0	645321	N.D.	0.154 #
13)	MA Dieldrin	0.000	5.358	0	1953754	N.D.	0.455 #
15)	B Endosulfa...	0.000	5.924	0	1034095	N.D.	0.279 #
17)	MA 4,4'-DDT	0.000	6.028	0	1976313	N.D.	0.607 #
18)	B Endrin al...	0.000	6.125f	0	118415	N.D.	0.039 #
20)	A Methoxychlor	0.000	6.580f	0	153433	N.D.	0.086 #
21)	B Endrin ke...	7.662f	6.812f	2476648	465515	0.982	0.111 #
22)	Mirex	0.000	7.009	0	611872	N.D.	0.181 #
23)	Chlordane-1	0.000	3.751f	0	474756	N.D.	3.804 #
24)	Chlordane-2	0.000	4.346	0	246836	N.D.	1.682 #
25)	Chlordane-3	0.000	5.002f	0	960900	N.D.	2.210 #
26)	Chlordane-4	0.000	5.024	0	645321	N.D.	1.523 #
27)	Chlordane-5	0.000	5.924	0	1034095	N.D.	6.752 #

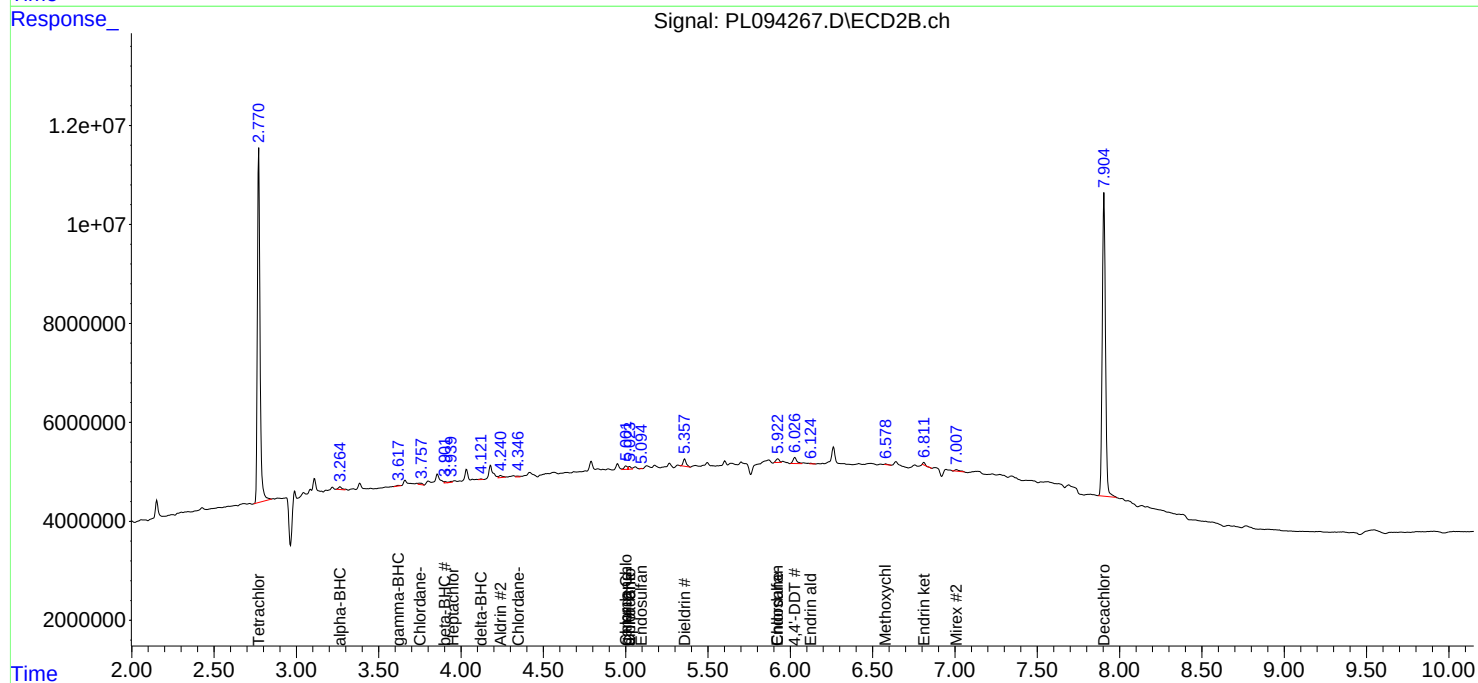
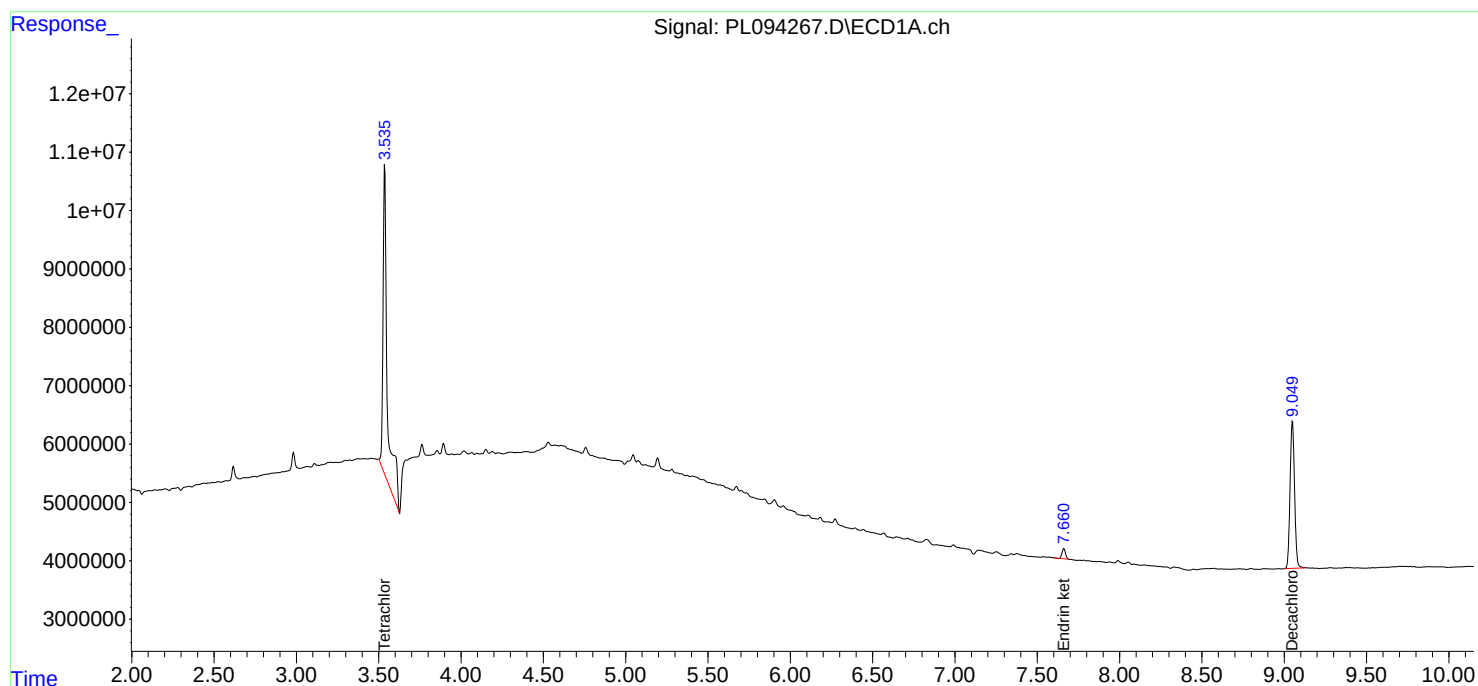
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

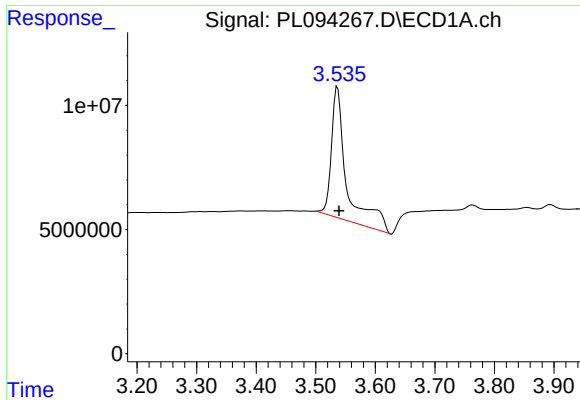
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 16:52
Operator : AR\AJ
Sample : Q1382-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

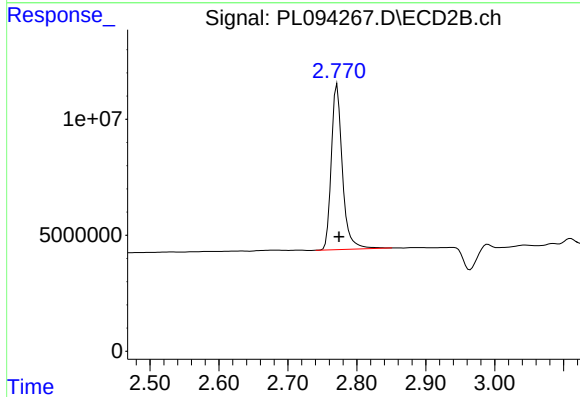




#1 Tetrachloro-m-xylene

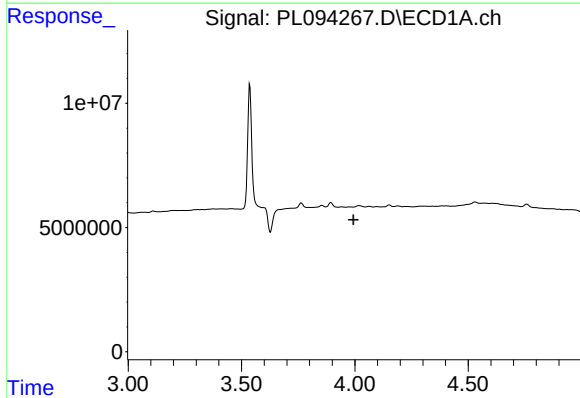
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 94505659
Conc: 35.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



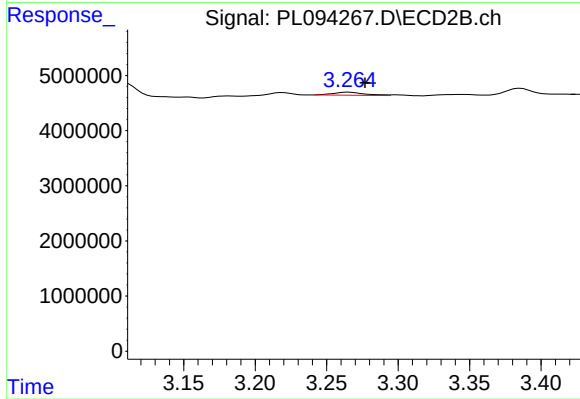
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 79188508
Conc: 24.26 ng/ml



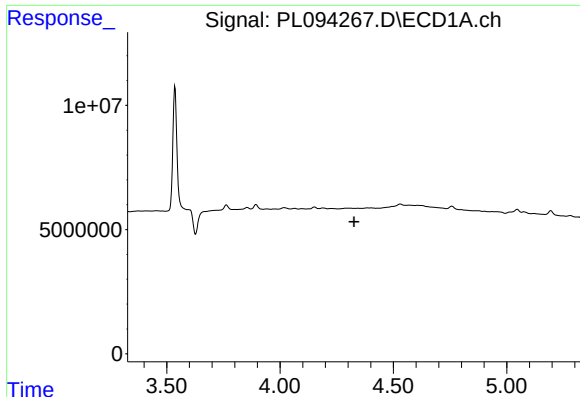
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

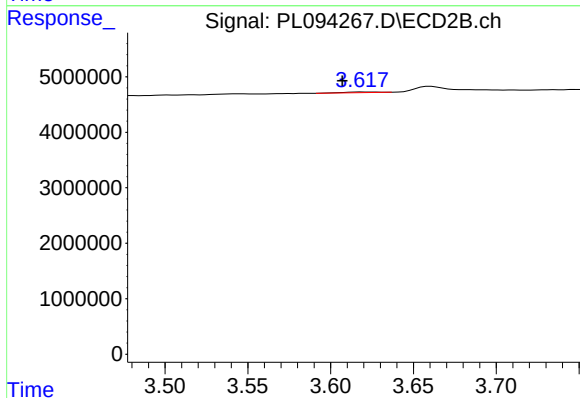
R.T.: 3.266 min
Delta R.T.: -0.011 min
Response: 811257
Conc: 0.17 ng/ml



#3 gamma-BHC (Lindane)

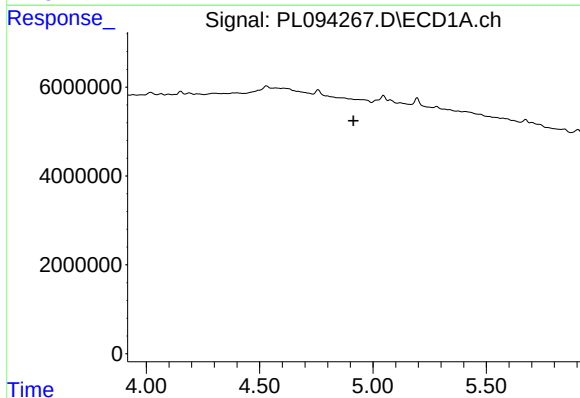
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



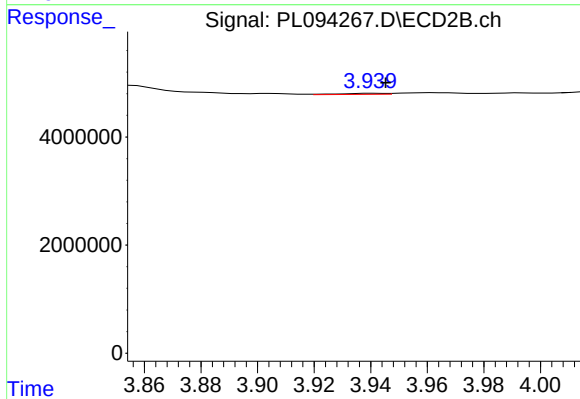
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 172126
Conc: 0.04 ng/ml



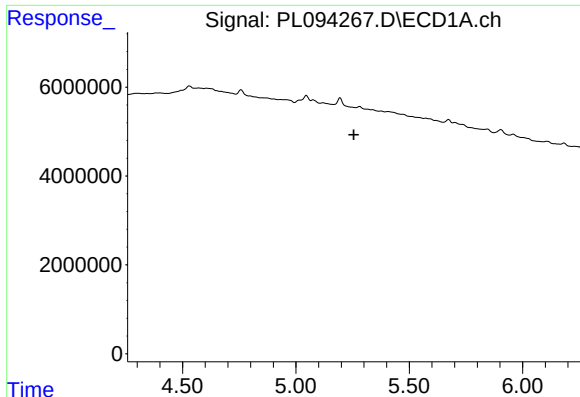
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

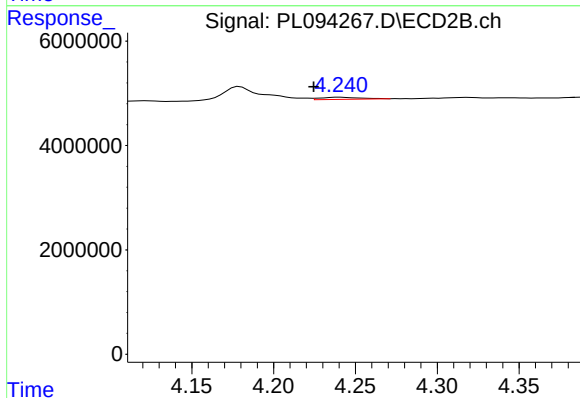
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 218811
Conc: 0.05 ng/ml



#5 Aldrin

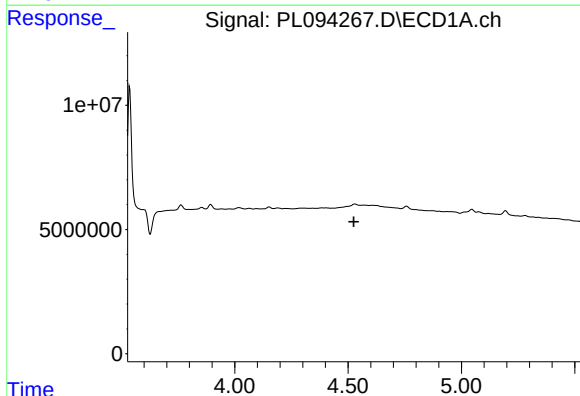
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



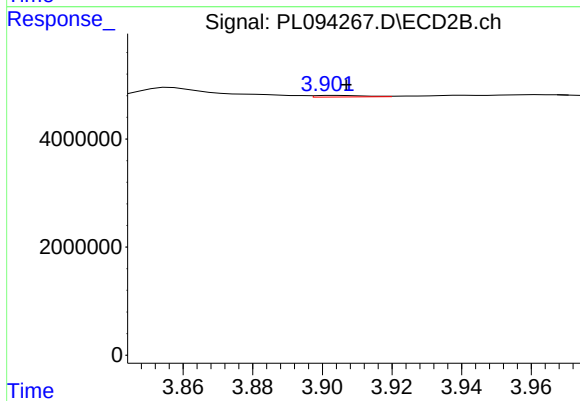
#5 Aldrin

R.T.: 4.241 min
Delta R.T.: 0.016 min
Response: 595997
Conc: 0.13 ng/ml



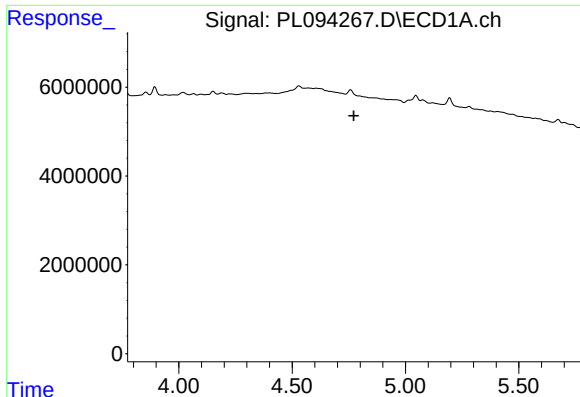
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

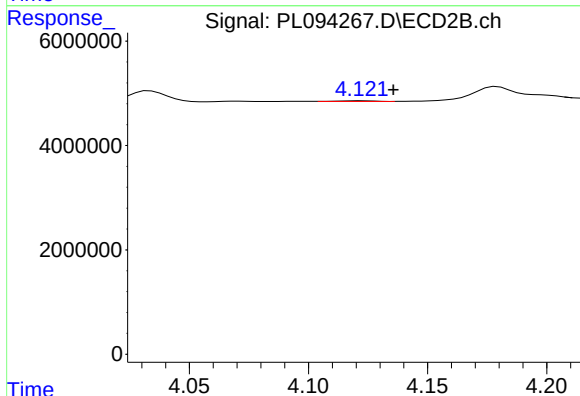
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 286071
Conc: 0.14 ng/ml



#7 delta-BHC

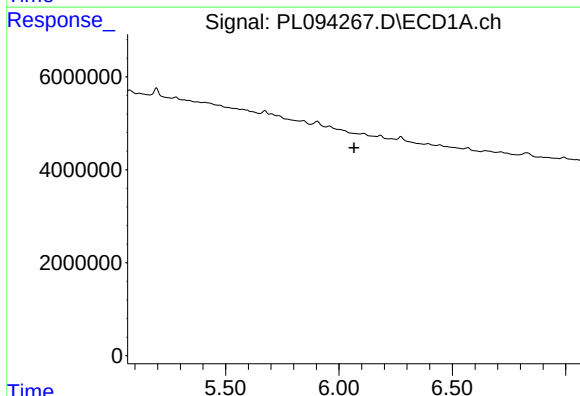
R.T.: 0.000 min
Exp R.T.: 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



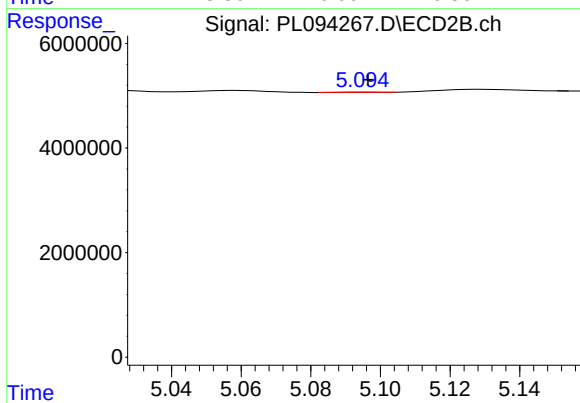
#7 delta-BHC

R.T.: 4.123 min
Delta R.T.: -0.013 min
Response: 128750
Conc: 0.03 ng/ml



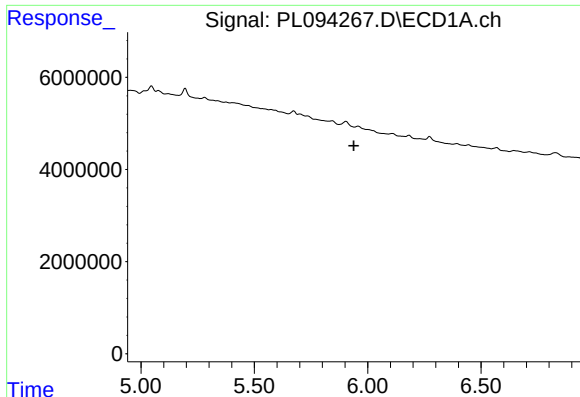
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

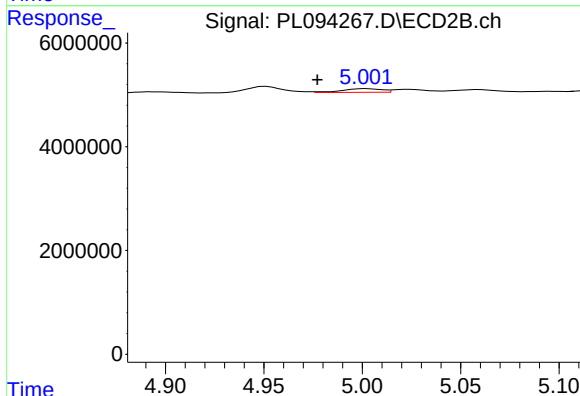
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 32848
Conc: 0.01 ng/ml



#10 gamma-Chlordane

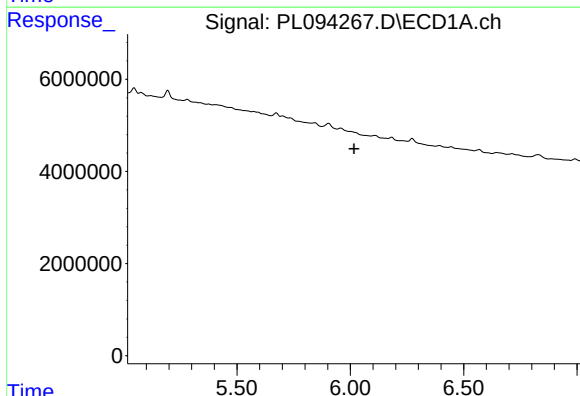
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



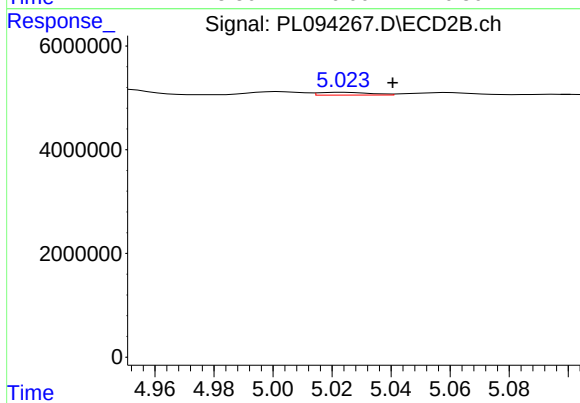
#10 gamma-Chlordane

R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 960900
Conc: 0.23 ng/ml



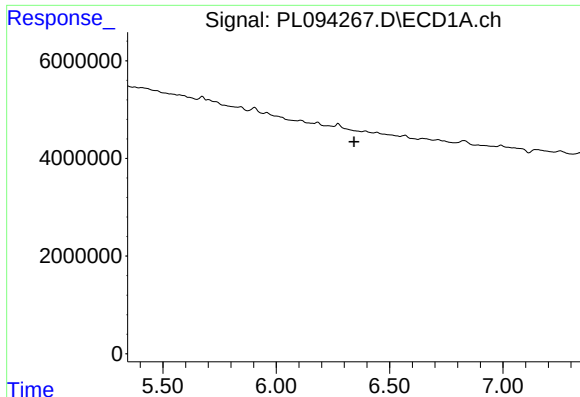
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

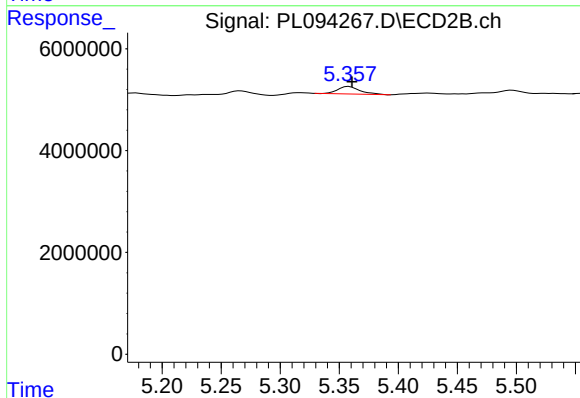
R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 645321
Conc: 0.15 ng/ml



#13 Dieldrin

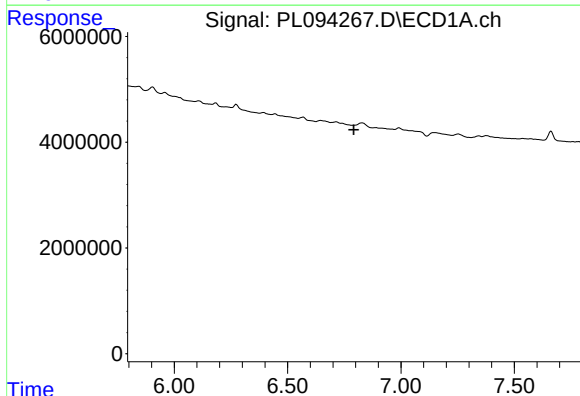
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



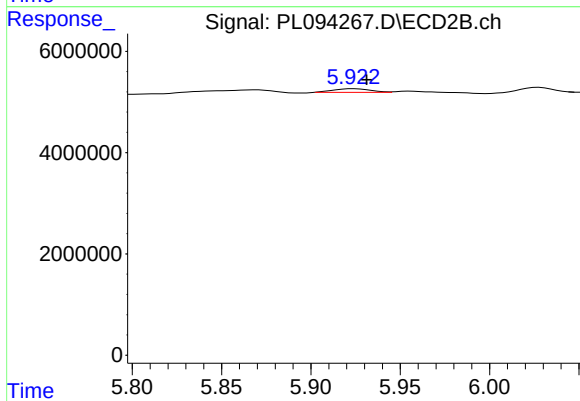
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 1953754
Conc: 0.45 ng/ml



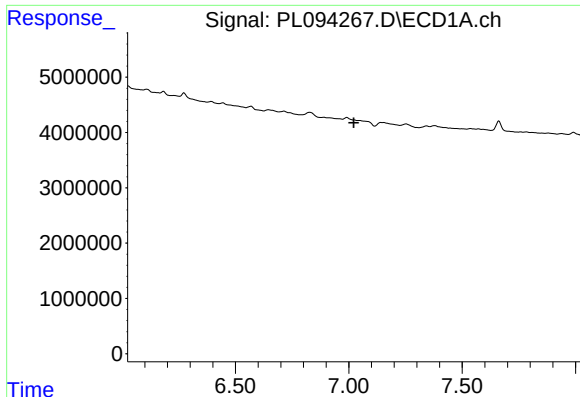
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

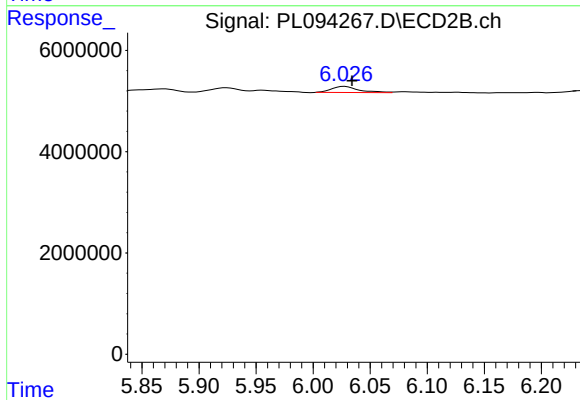
R.T.: 5.924 min
Delta R.T.: -0.008 min
Response: 1034095
Conc: 0.28 ng/ml



#17 4,4'-DDT

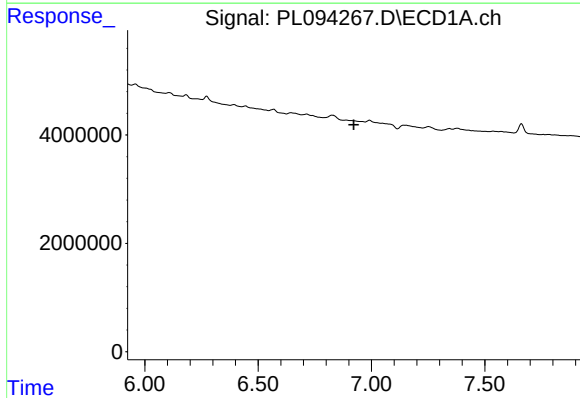
R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



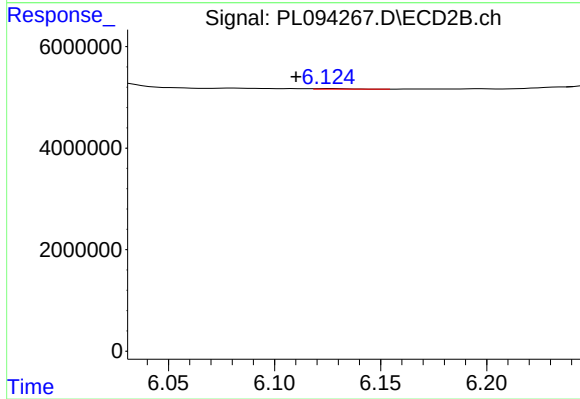
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 1976313
Conc: 0.61 ng/ml



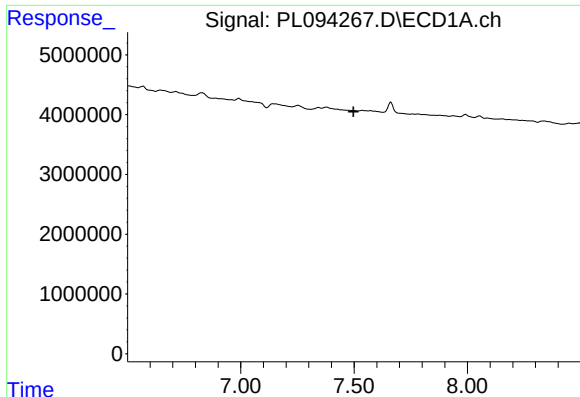
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

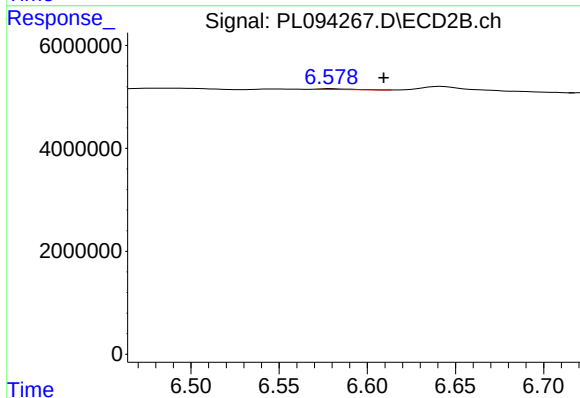
R.T.: 6.125 min
Delta R.T.: 0.015 min
Response: 118415
Conc: 0.04 ng/ml



#20 Methoxychlor

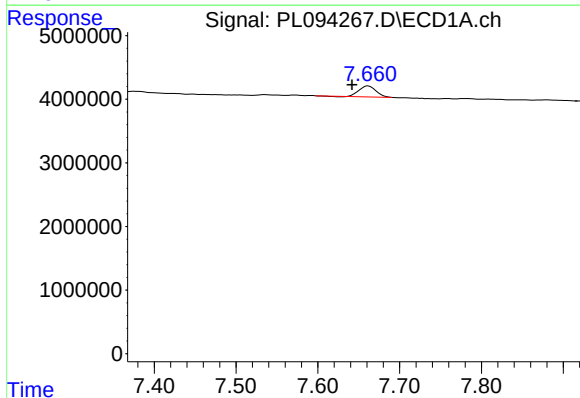
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



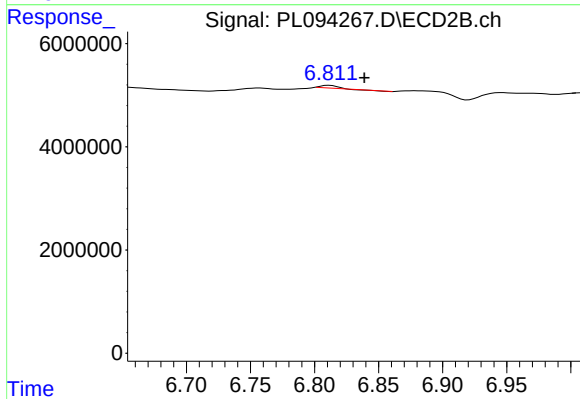
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.030 min
Response: 153433
Conc: 0.09 ng/ml



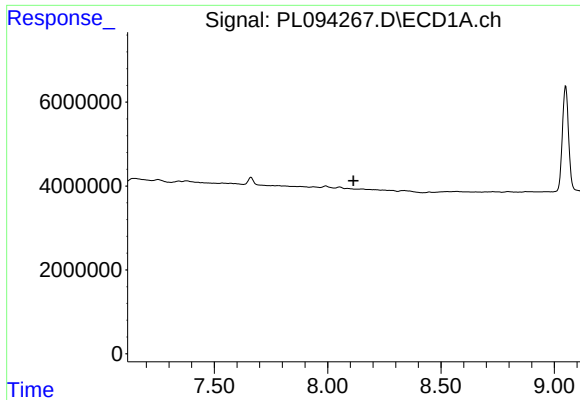
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.020 min
Response: 2476648
Conc: 0.98 ng/ml



#21 Endrin ketone

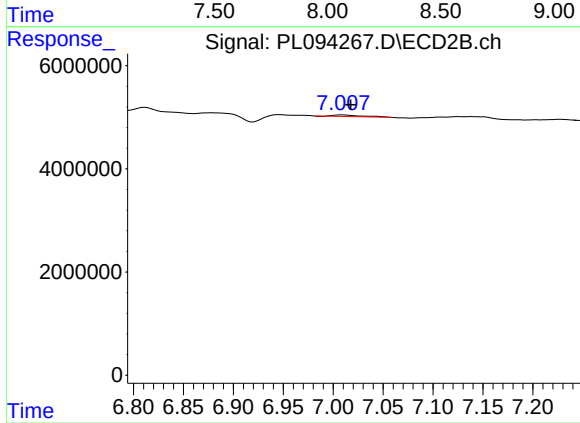
R.T.: 6.812 min
Delta R.T.: -0.027 min
Response: 465515
Conc: 0.11 ng/ml



#22 Mirex

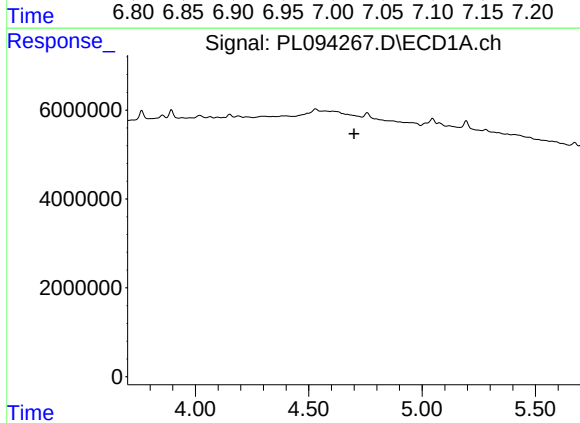
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



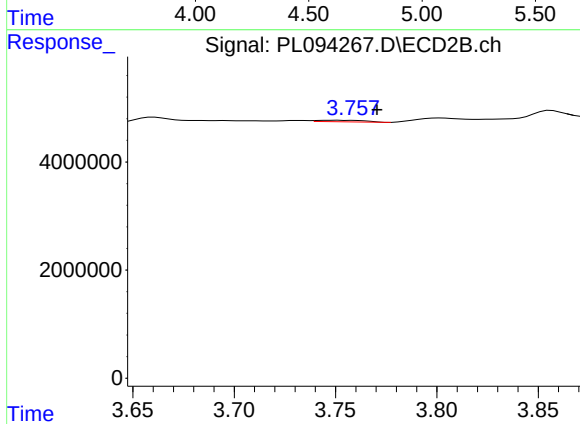
#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.009 min
Response: 611872
Conc: 0.18 ng/ml



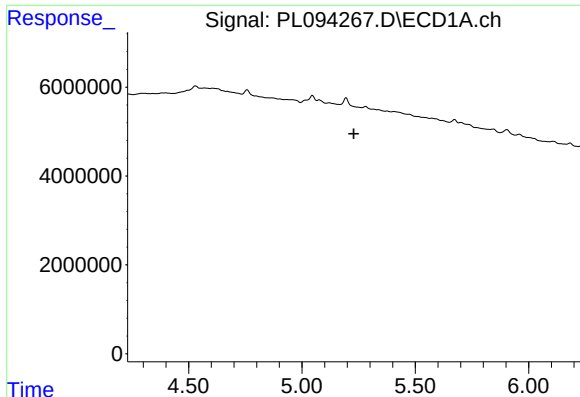
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

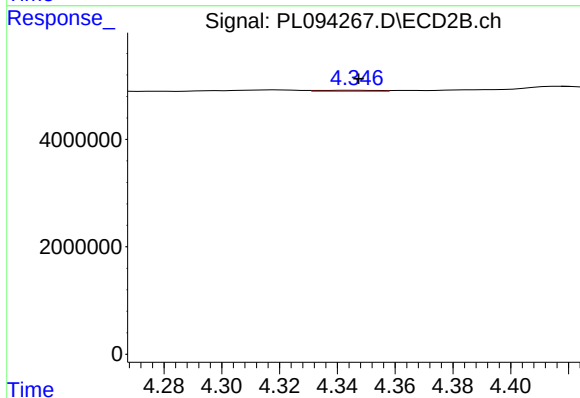
R.T.: 3.751 min
Delta R.T.: -0.020 min
Response: 474756
Conc: 3.80 ng/ml



#24 Chlordane-2

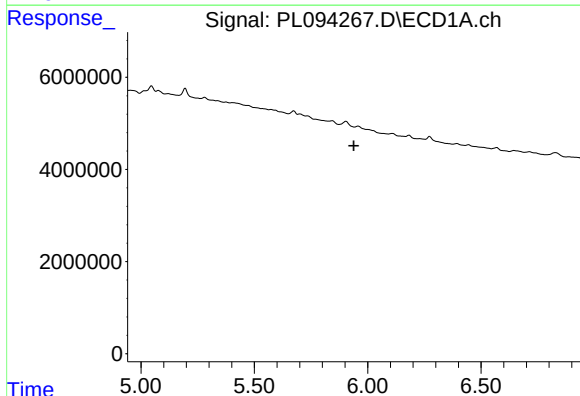
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



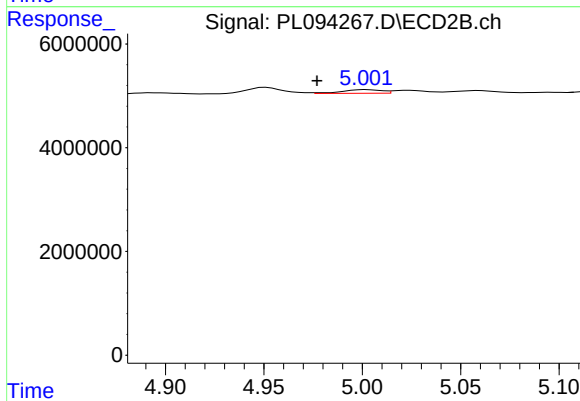
#24 Chlordane-2

R.T.: 4.346 min
Delta R.T.: -0.002 min
Response: 246836
Conc: 1.68 ng/ml



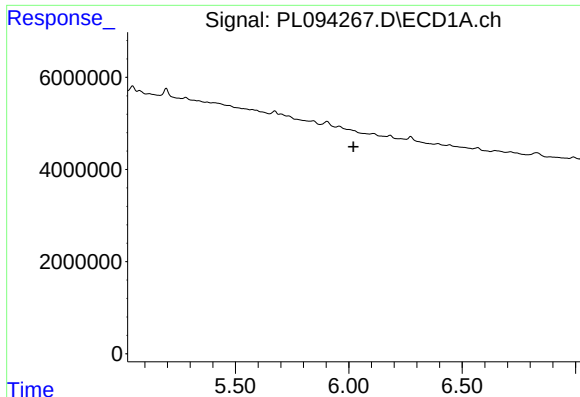
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

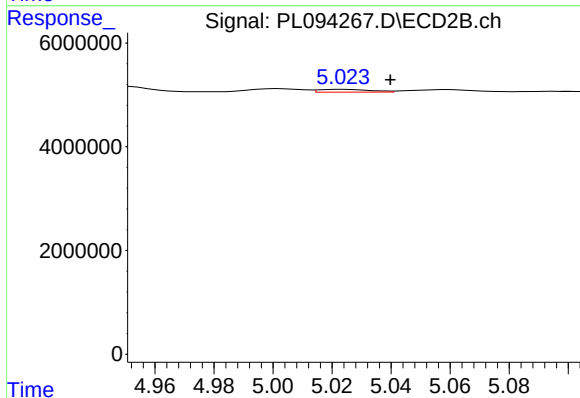
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 960900
Conc: 2.21 ng/ml



#26 Chlordane-4

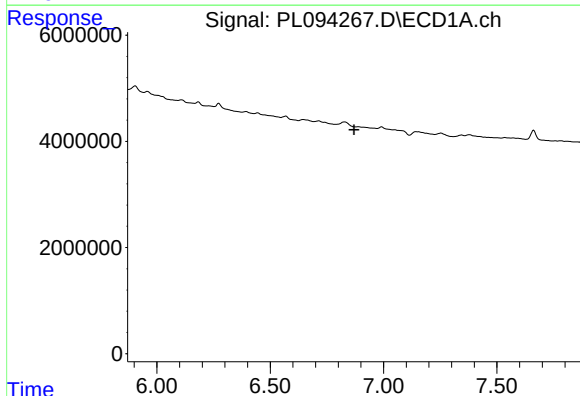
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



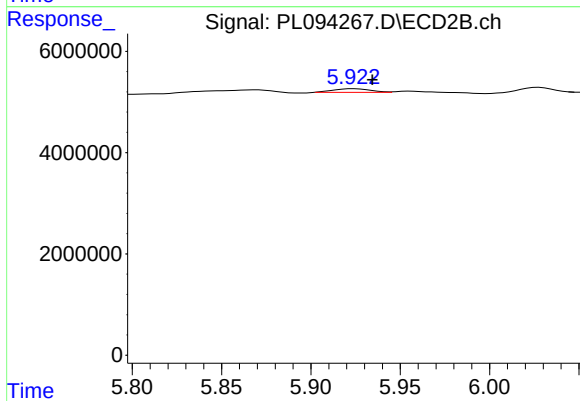
#26 Chlordane-4

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 645321
Conc: 1.52 ng/ml



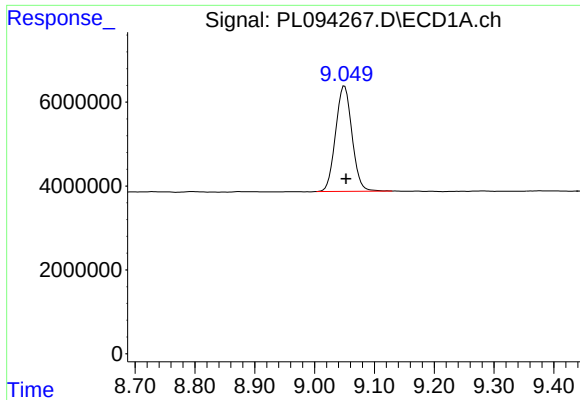
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

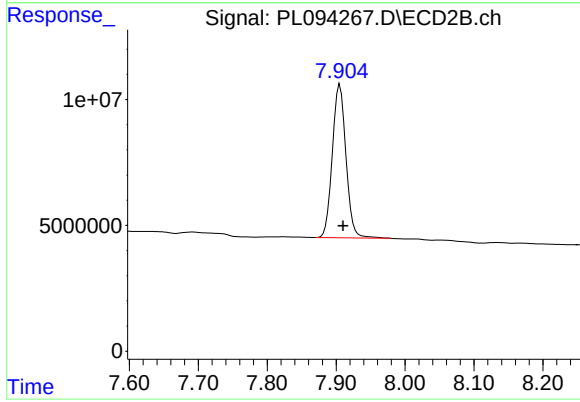
R.T.: 5.924 min
Delta R.T.: -0.011 min
Response: 1034095
Conc: 6.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48001240
Conc: 22.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-02-021725



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 83692907
Conc: 23.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094268.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:06
 Operator : AR\AJ
 Sample : Q1382-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-03-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.788	92474473	80042482	34.342	24.522 #
28)	SA Decachlor...	9.050	7.921	48688354	83816354	23.275	23.920
Target Compounds							
2)	A alpha-BHC	0.000	3.279	0	348150	N.D.	0.071 #
4)	MA Heptachlor	0.000	3.966f	0	387238	N.D.	0.083 #
5)	MB Aldrin	5.282f	4.217	1516265	4458774	0.463	0.977 #
6)	B beta-BHC	4.531	3.924f	1258673	171345	0.783	0.086 #
7)	B delta-BHC	4.759	4.131	2172617	190681	0.620	0.040 #
8)	B Heptachlo...	5.675	4.736	2746374	89089	0.924	0.021 #
9)	A Endosulfan I	0.000	5.073f	0	816116	N.D.	0.211 #
10)	B gamma-Chl...	0.000	4.968	0	5966652	N.D.	1.408 #
11)	B alpha-Chl...	0.000	5.040	0	2191435	N.D.	0.523 #
12)	B 4,4'-DDE	6.186	0.000	1892887	0	0.777	N.D. #
13)	MA Dieldrin	0.000	5.375	0	5697848	N.D.	1.326 #
14)	MA Endrin	6.571	5.653f	3058493	296065	1.304	0.080 #
15)	B Endosulfa...	0.000	5.938	0	2543980	N.D.	0.687 #
17)	MA 4,4'-DDT	6.993f	6.042	2372841	4364905	1.203	1.341
18)	B Endrin al...	0.000	6.104	0	307841	N.D.	0.101 #
20)	A Methoxychlor	0.000	6.598	0	183264	N.D.	0.102 #
21)	B Endrin ke...	7.661f	6.825	3013953	643027	1.195	0.153 #
22)	Mirex	0.000	7.027	0	561052	N.D.	0.166 #
23)	Chlordane-1	0.000	3.777	0	372350	N.D.	2.984 #
24)	Chlordane-2	0.000	4.336	0	352418	N.D.	2.402 #
25)	Chlordane-3	0.000	4.968	0	5966652	N.D.	13.722 #
26)	Chlordane-4	0.000	5.040	0	2191435	N.D.	5.173 #
27)	Chlordane-5	0.000	5.938	0	2543980	N.D.	16.610 #

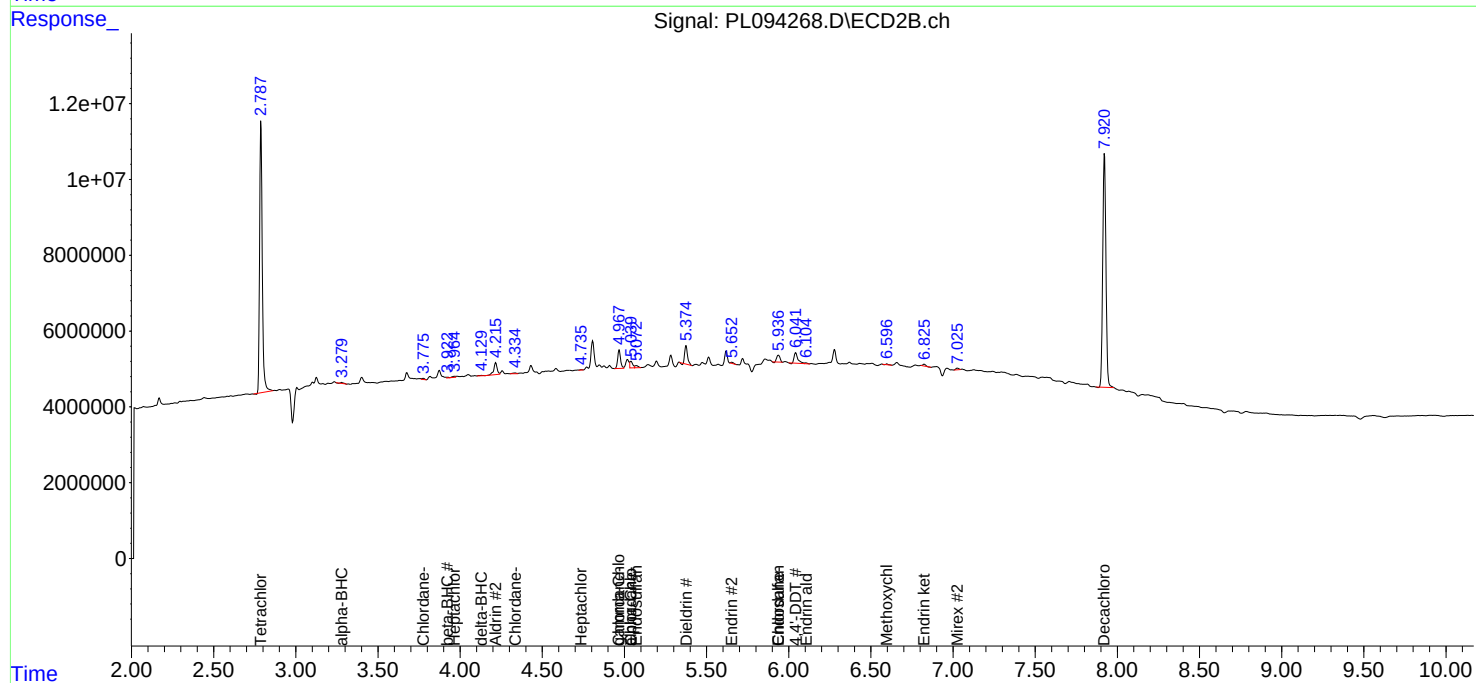
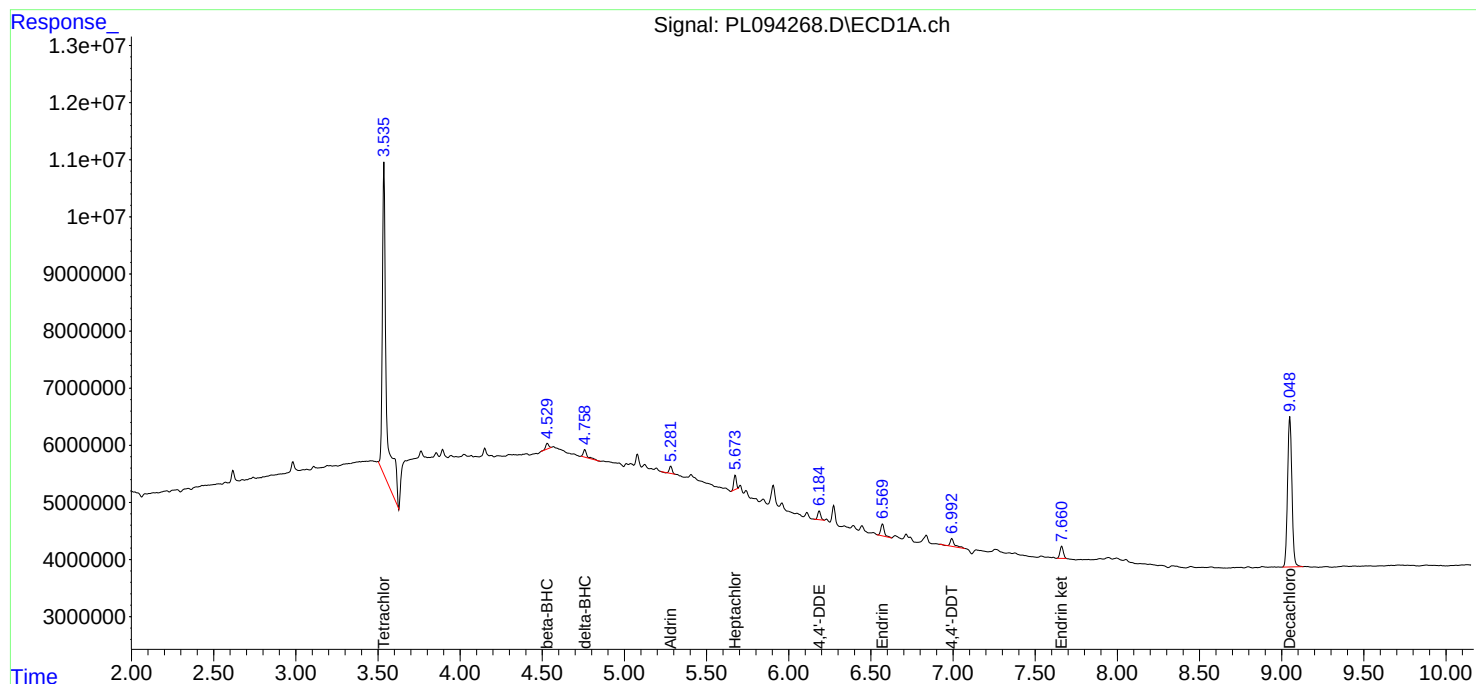
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

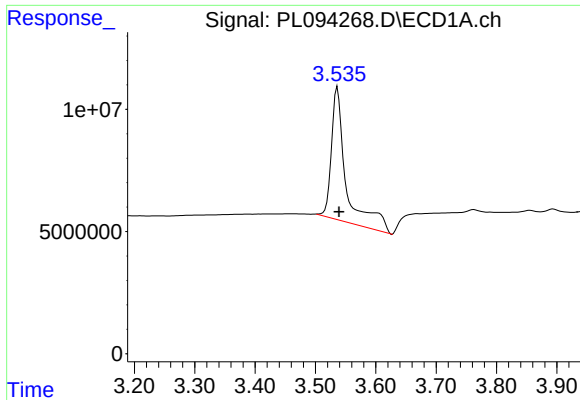
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094268.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:06
Operator : AR\AJ
Sample : Q1382-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

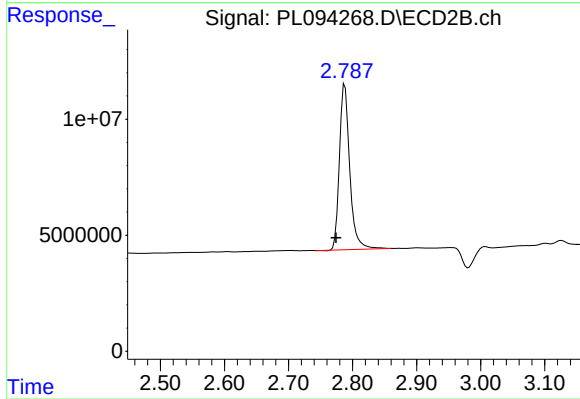




#1 Tetrachloro-m-xylene

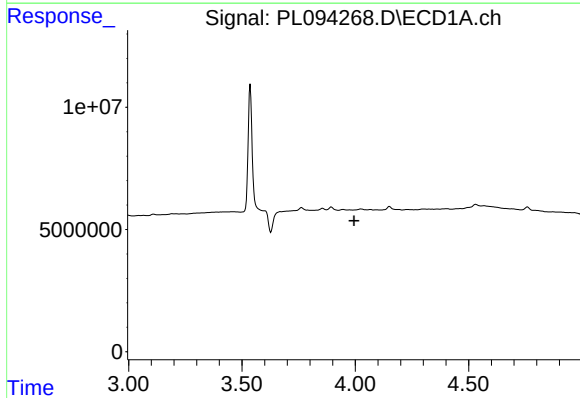
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 92474473
Conc: 34.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



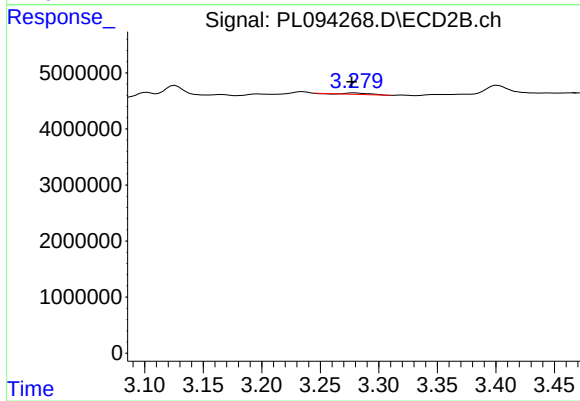
#1 Tetrachloro-m-xylene

R.T.: 2.788 min
Delta R.T.: 0.014 min
Response: 80042482
Conc: 24.52 ng/ml



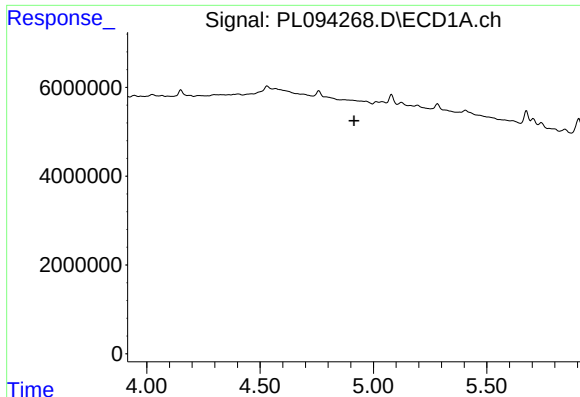
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

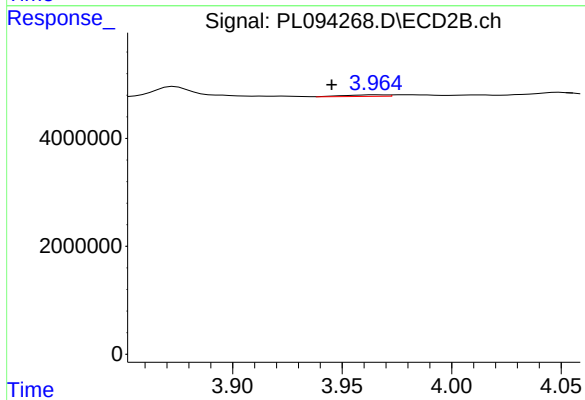
R.T.: 3.279 min
Delta R.T.: 0.002 min
Response: 348150
Conc: 0.07 ng/ml



#4 Heptachlor

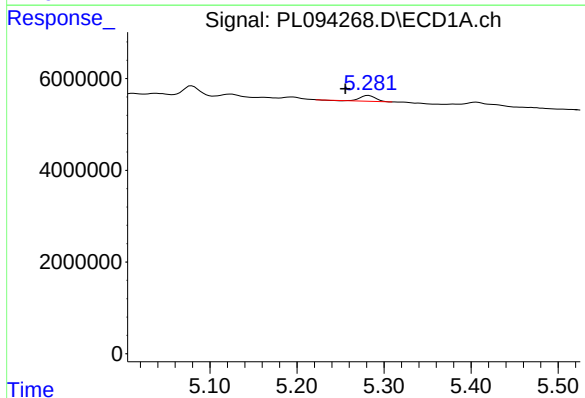
R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



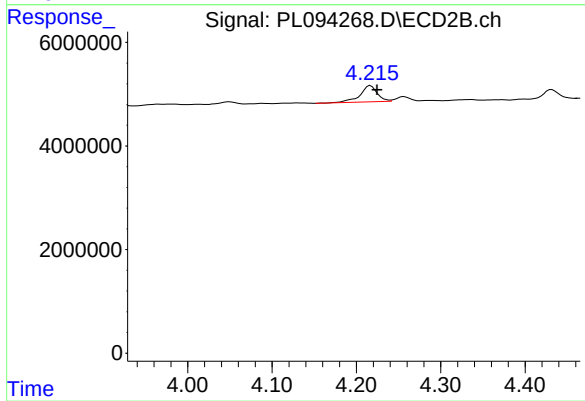
#4 Heptachlor

R.T.: 3.966 min
Delta R.T.: 0.021 min
Response: 387238
Conc: 0.08 ng/ml



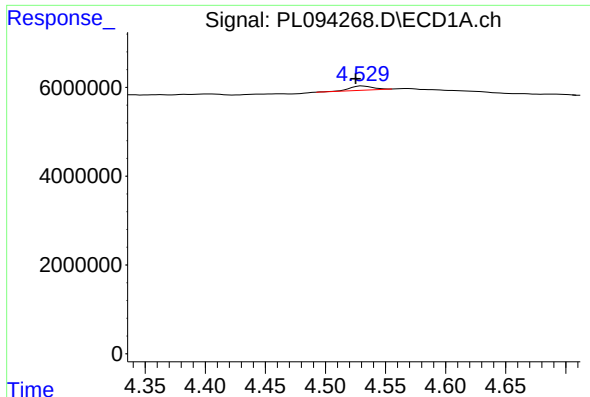
#5 Aldrin

R.T.: 5.282 min
Delta R.T.: 0.027 min
Response: 1516265
Conc: 0.46 ng/ml



#5 Aldrin

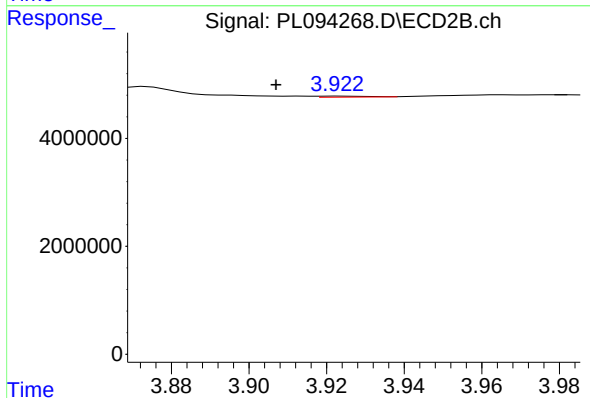
R.T.: 4.217 min
Delta R.T.: -0.008 min
Response: 4458774
Conc: 0.98 ng/ml



#6 beta-BHC

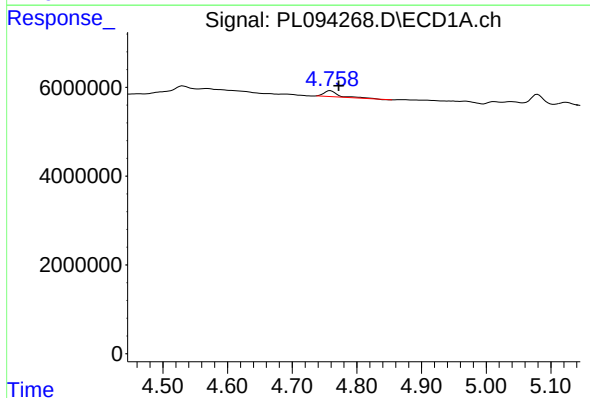
R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 1258673
Conc: 0.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



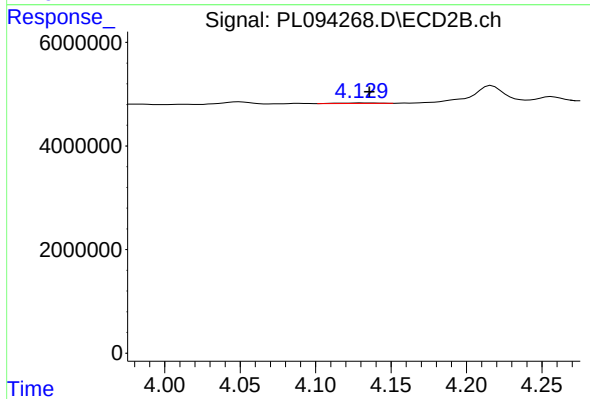
#6 beta-BHC

R.T.: 3.924 min
Delta R.T.: 0.017 min
Response: 171345
Conc: 0.09 ng/ml



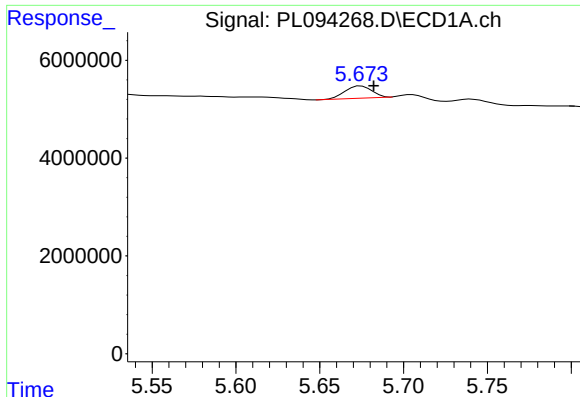
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.013 min
Response: 2172617
Conc: 0.62 ng/ml



#7 delta-BHC

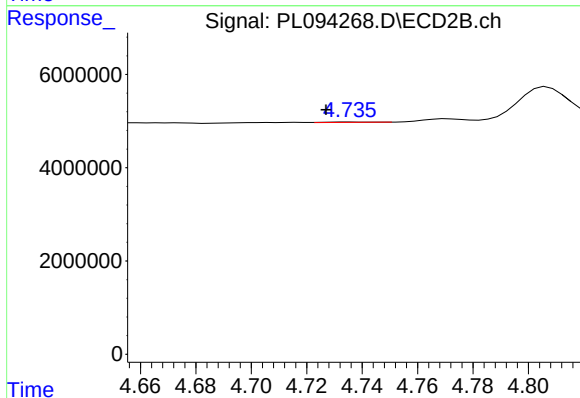
R.T.: 4.131 min
Delta R.T.: -0.004 min
Response: 190681
Conc: 0.04 ng/ml



#8 Heptachlor epoxide

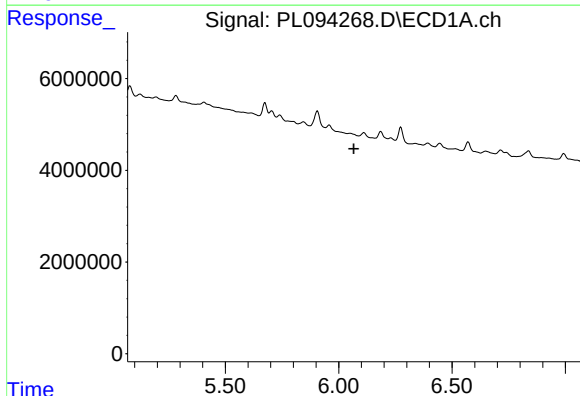
R.T.: 5.675 min
Delta R.T.: -0.008 min
Response: 2746374
Conc: 0.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



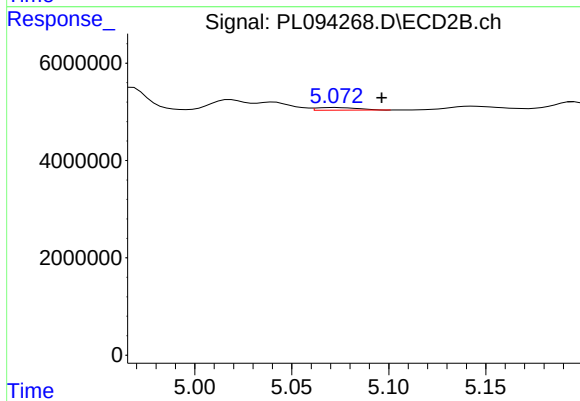
#8 Heptachlor epoxide

R.T.: 4.736 min
Delta R.T.: 0.009 min
Response: 89089
Conc: 0.02 ng/ml



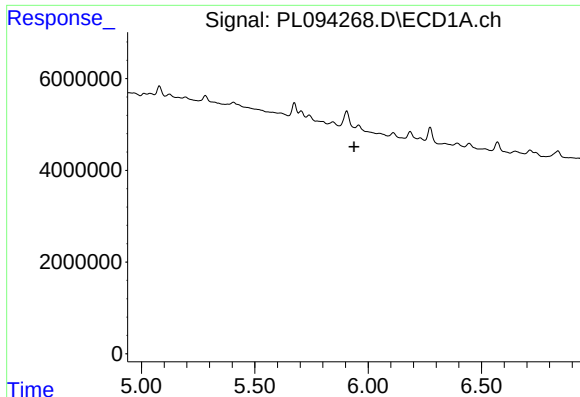
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

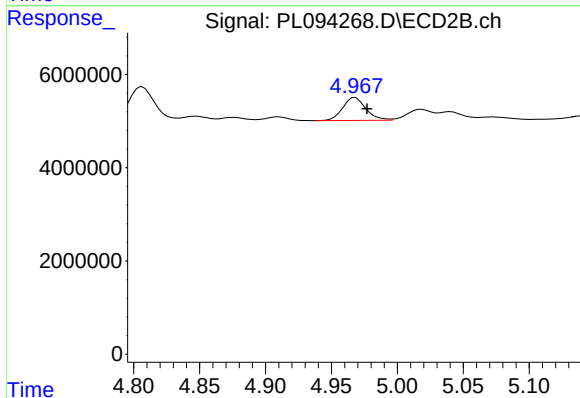
R.T.: 5.073 min
Delta R.T.: -0.023 min
Response: 816116
Conc: 0.21 ng/ml



#10 gamma-Chlordane

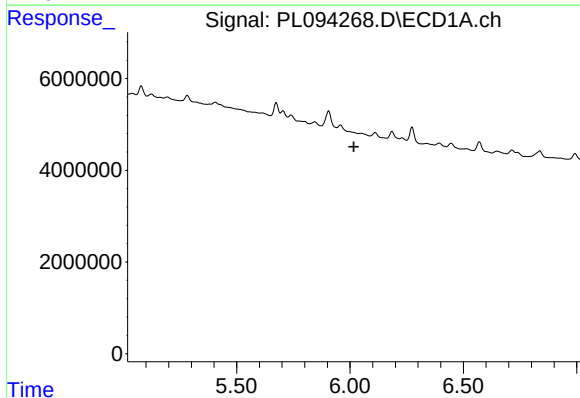
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



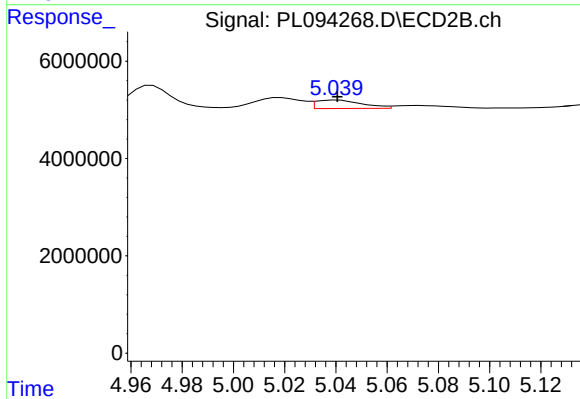
#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.009 min
Response: 5966652
Conc: 1.41 ng/ml



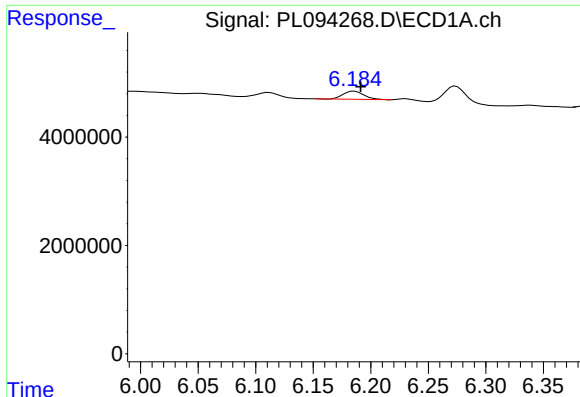
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

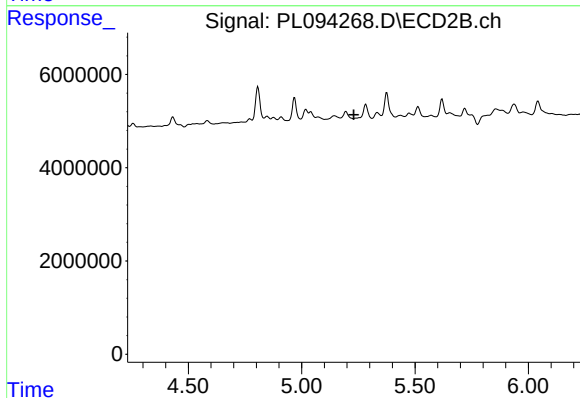
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 2191435
Conc: 0.52 ng/ml



#12 4,4'-DDE

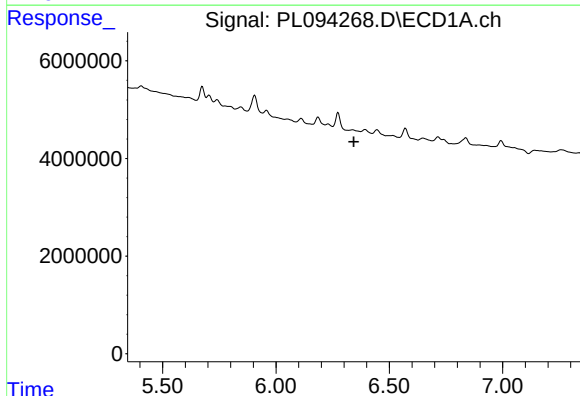
R.T.: 6.186 min
Delta R.T.: -0.006 min
Response: 1892887
Conc: 0.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



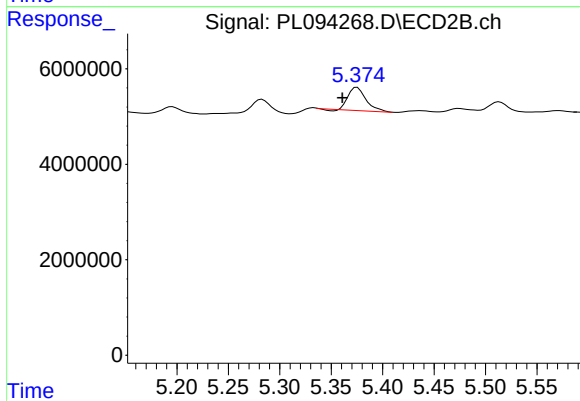
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 5.230 min
Response: 0
Conc: N.D.



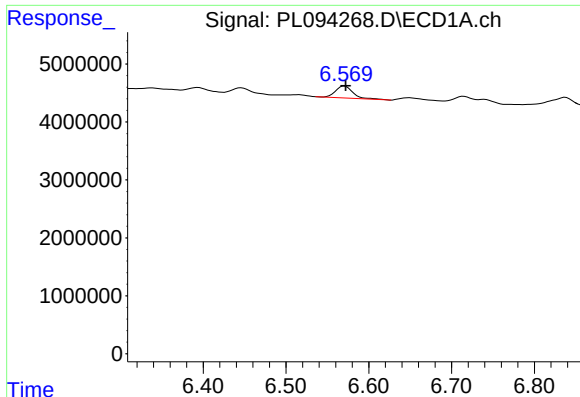
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

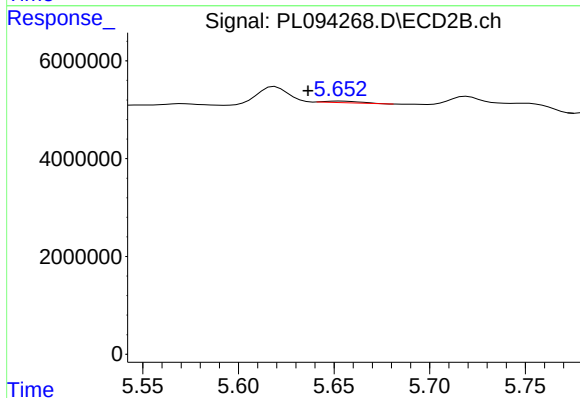
R.T.: 5.375 min
Delta R.T.: 0.014 min
Response: 5697848
Conc: 1.33 ng/ml



#14 Endrin

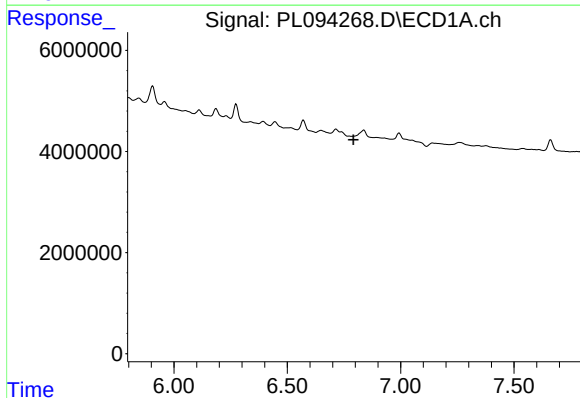
R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 3058493
Conc: 1.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



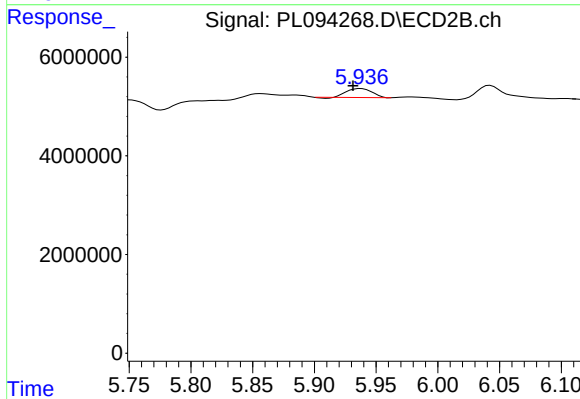
#14 Endrin

R.T.: 5.653 min
Delta R.T.: 0.017 min
Response: 296065
Conc: 0.08 ng/ml



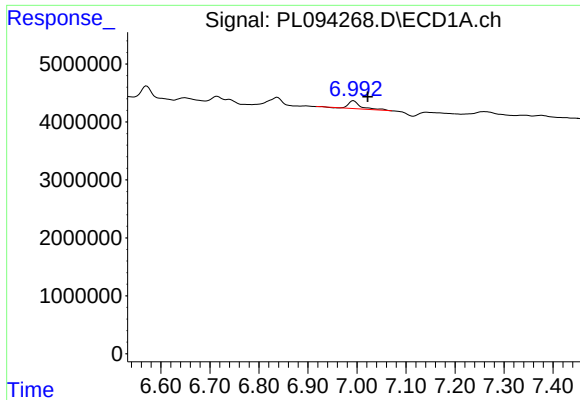
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

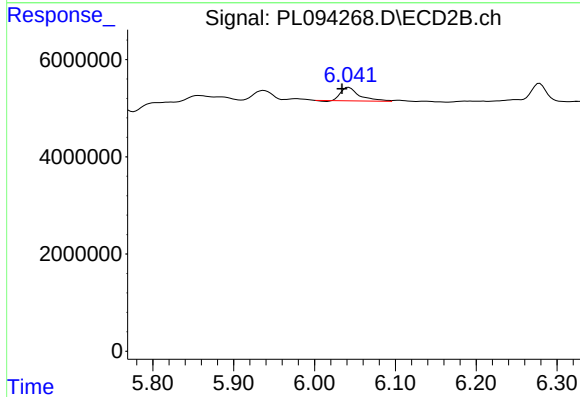
R.T.: 5.938 min
Delta R.T.: 0.006 min
Response: 2543980
Conc: 0.69 ng/ml



#17 4,4'-DDT

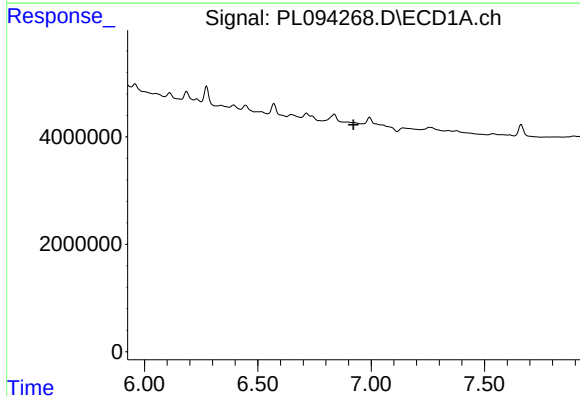
R.T.: 6.993 min
Delta R.T.: -0.029 min
Response: 2372841
Conc: 1.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



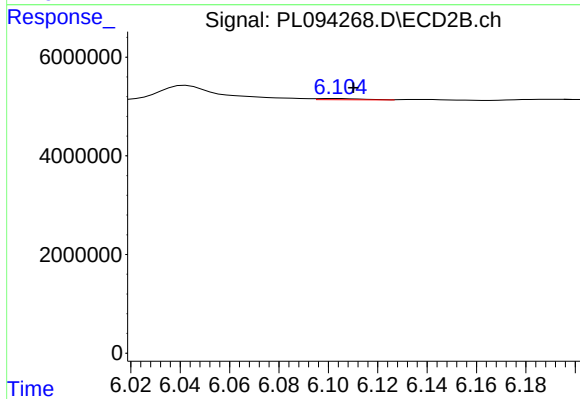
#17 4,4'-DDT

R.T.: 6.042 min
Delta R.T.: 0.008 min
Response: 4364905
Conc: 1.34 ng/ml



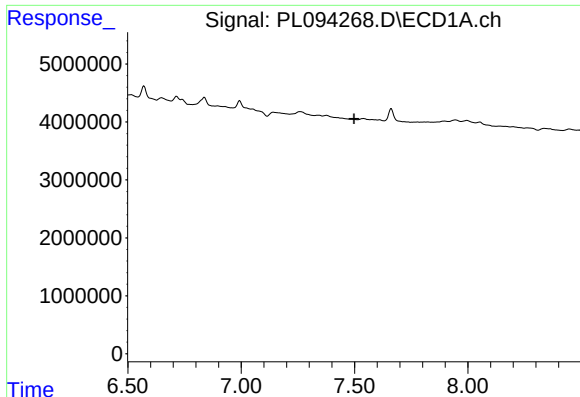
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

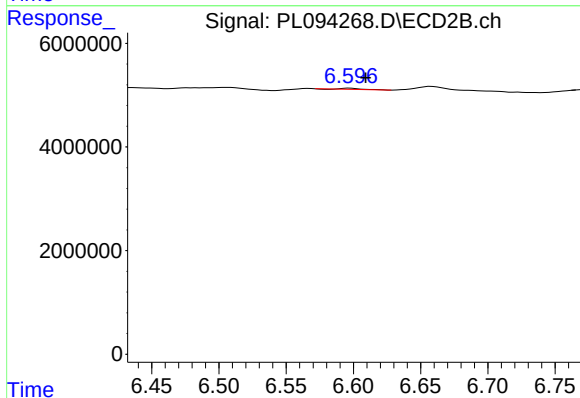
R.T.: 6.104 min
Delta R.T.: -0.006 min
Response: 307841
Conc: 0.10 ng/ml



#20 Methoxychlor

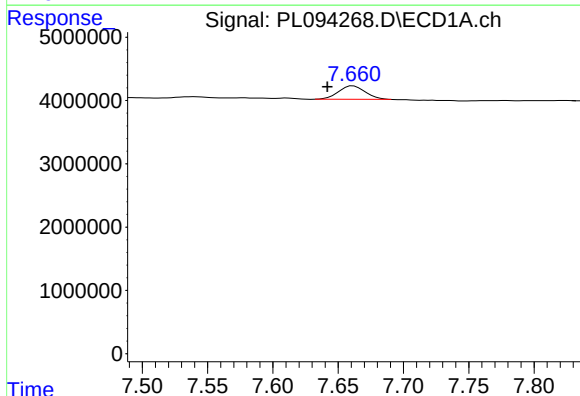
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



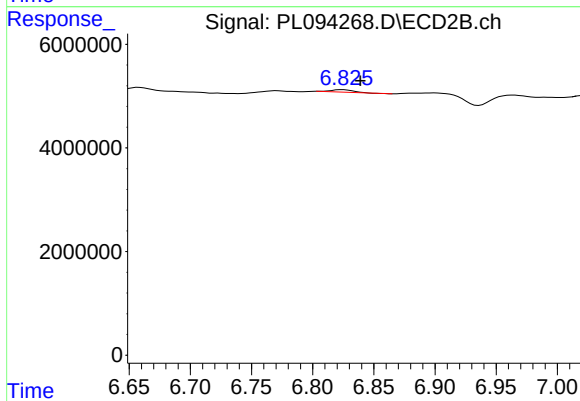
#20 Methoxychlor

R.T.: 6.598 min
Delta R.T.: -0.012 min
Response: 183264
Conc: 0.10 ng/ml



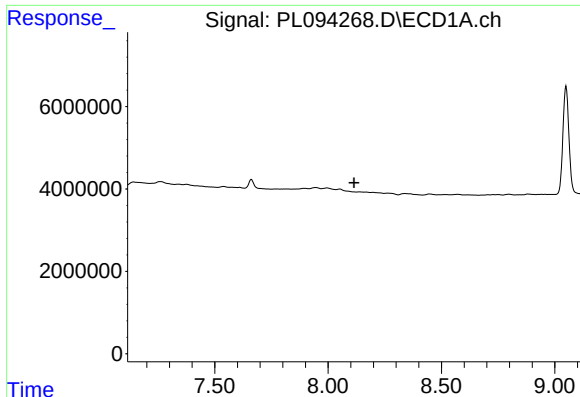
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: 0.020 min
Response: 3013953
Conc: 1.19 ng/ml



#21 Endrin ketone

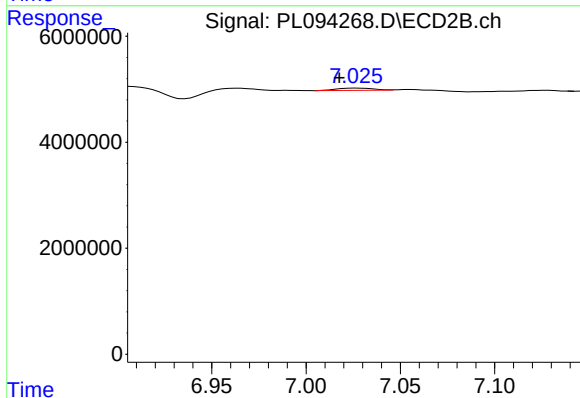
R.T.: 6.825 min
Delta R.T.: -0.014 min
Response: 643027
Conc: 0.15 ng/ml



#22 Mirex

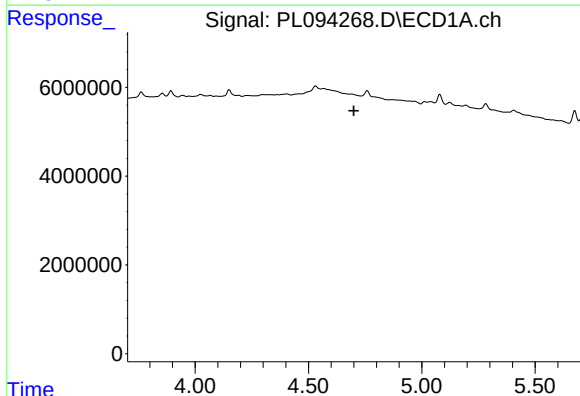
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



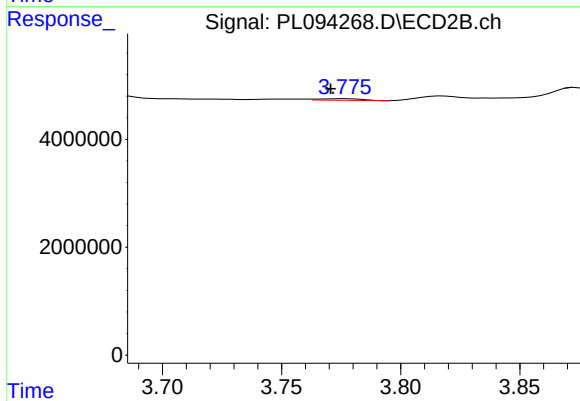
#22 Mirex

R.T.: 7.027 min
Delta R.T.: 0.009 min
Response: 561052
Conc: 0.17 ng/ml



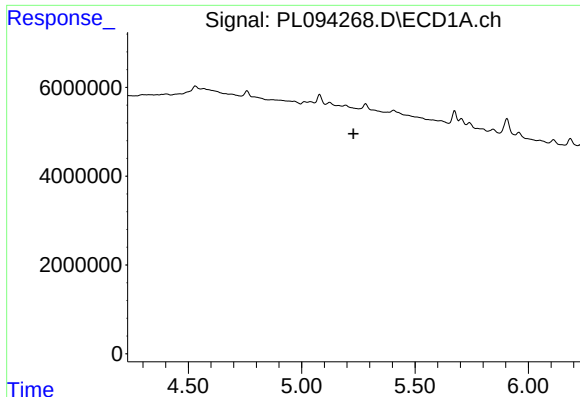
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

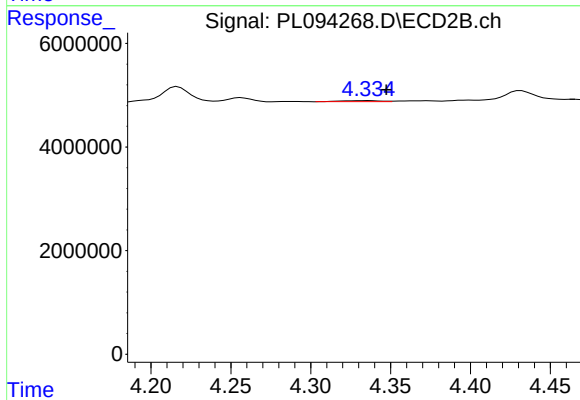
R.T.: 3.777 min
Delta R.T.: 0.006 min
Response: 372350
Conc: 2.98 ng/ml



#24 Chlordane-2

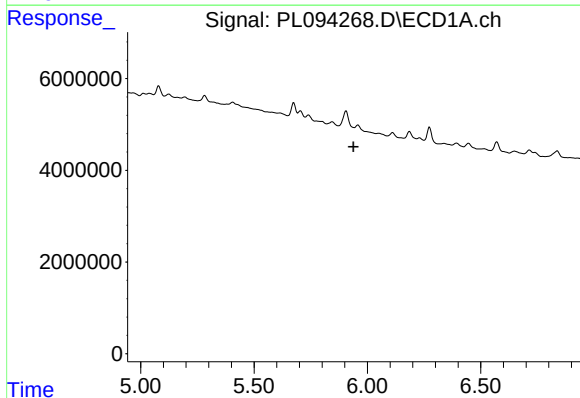
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



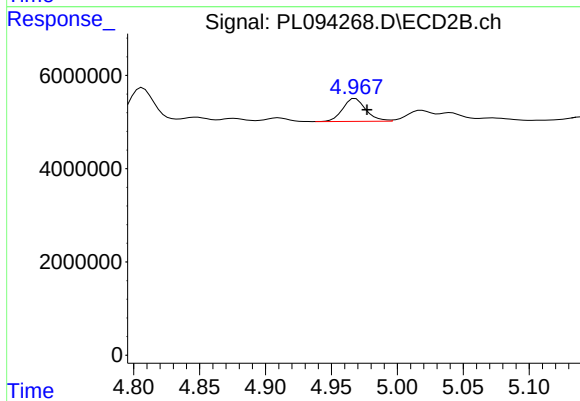
#24 Chlordane-2

R.T.: 4.336 min
Delta R.T.: -0.012 min
Response: 352418
Conc: 2.40 ng/ml



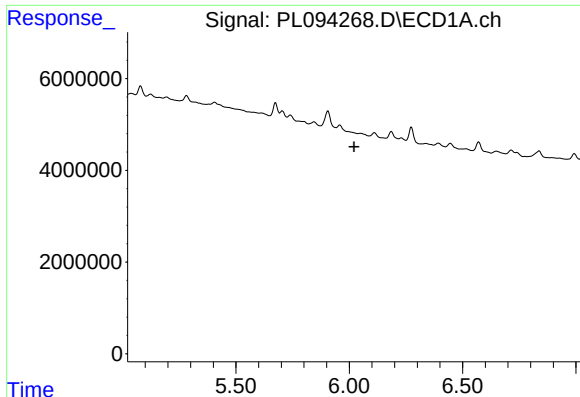
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

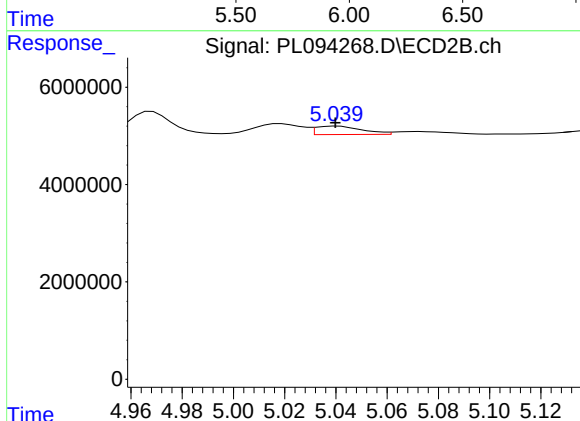
R.T.: 4.968 min
Delta R.T.: -0.009 min
Response: 5966652
Conc: 13.72 ng/ml



#26 Chlordane-4

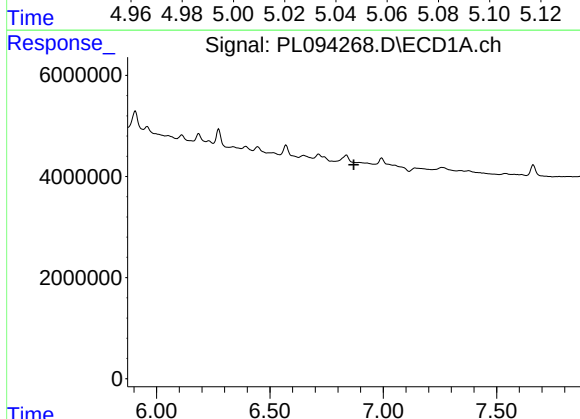
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



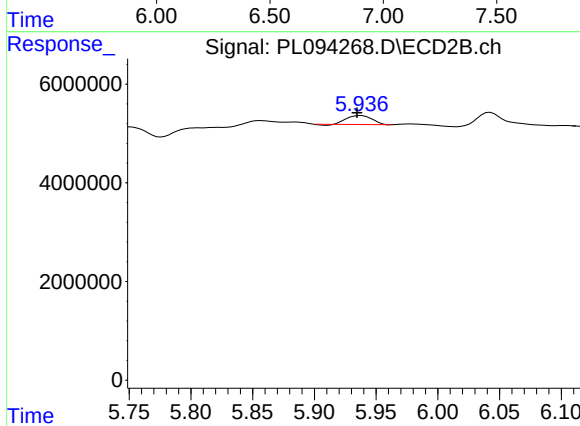
#26 Chlordane-4

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 2191435
Conc: 5.17 ng/ml



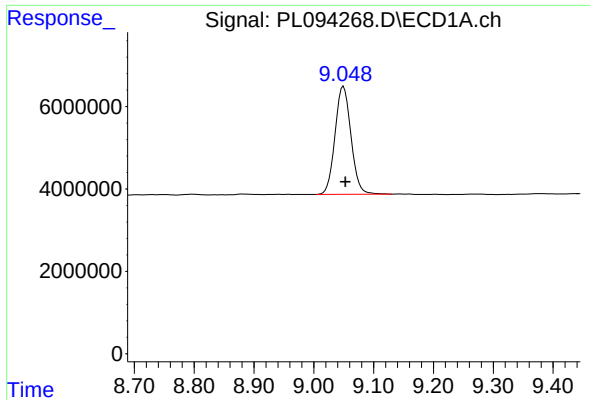
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

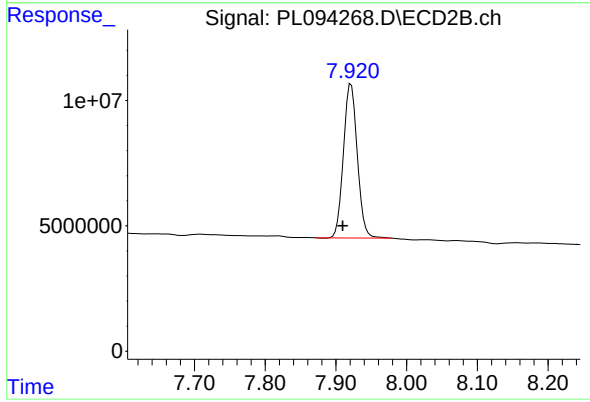
R.T.: 5.938 min
Delta R.T.: 0.003 min
Response: 2543980
Conc: 16.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48688354
Conc: 23.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-03-021725



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: 0.012 min
Response: 83816354
Conc: 23.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094269.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:19
 Operator : AR\AJ
 Sample : Q1382-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-04-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:13:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	93693491	81288968	34.795	24.904 #
28)	SA Decachlor...	9.049	7.905	48133587	84711180	23.009	24.175
Target Compounds							
2)	A alpha-BHC	0.000	3.263	0	332493	N.D.	0.068 #
3)	MA gamma-BHC...	0.000	3.588f	0	7992	N.D.	0.002 #
4)	MA Heptachlor	0.000	3.966f	0	358449	N.D.	0.077 #
5)	MB Aldrin	0.000	4.242f	0	321980	N.D.	0.071 #
6)	B beta-BHC	4.531	3.909	1671905	184038	1.040	0.092 #
7)	B delta-BHC	4.759	4.122	1308408	89387	0.373	0.019 #
8)	B Heptachlo...	0.000	4.719	0	34596	N.D.	0.008 #
9)	A Endosulfan I	0.000	5.091	0	12702	N.D.	0.003 #
10)	B gamma-Chl...	0.000	4.952f	0	1855189	N.D.	0.438 #
11)	B alpha-Chl...	0.000	5.024f	0	823299	N.D.	0.197 #
13)	MA Dieldrin	0.000	5.358	0	2017345	N.D.	0.470 #
15)	B Endosulfa...	0.000	5.923	0	854294	N.D.	0.231 #
17)	MA 4,4'-DDT	0.000	6.028	0	1907095	N.D.	0.586 #
18)	B Endrin al...	0.000	6.087f	0	72960	N.D.	0.024 #
19)	B Endosulfa...	0.000	6.325	0	47860	N.D.	0.013 #
20)	A Methoxychlor	0.000	6.581f	0	78690	N.D.	0.044 #
21)	B Endrin ke...	7.661f	6.848	2524936	16994	1.001	0.004 #
22)	Mirex	0.000	7.010	0	683202	N.D.	0.202 #
23)	Chlordane-1	0.000	3.761	0	551337	N.D.	4.418 #
24)	Chlordane-2	0.000	4.366f	0	442066	N.D.	3.013 #
25)	Chlordane-3	0.000	4.952f	0	1855189	N.D.	4.267 #
26)	Chlordane-4	0.000	5.024	0	823299	N.D.	1.943 #
27)	Chlordane-5	0.000	5.923	0	854294	N.D.	5.578 #

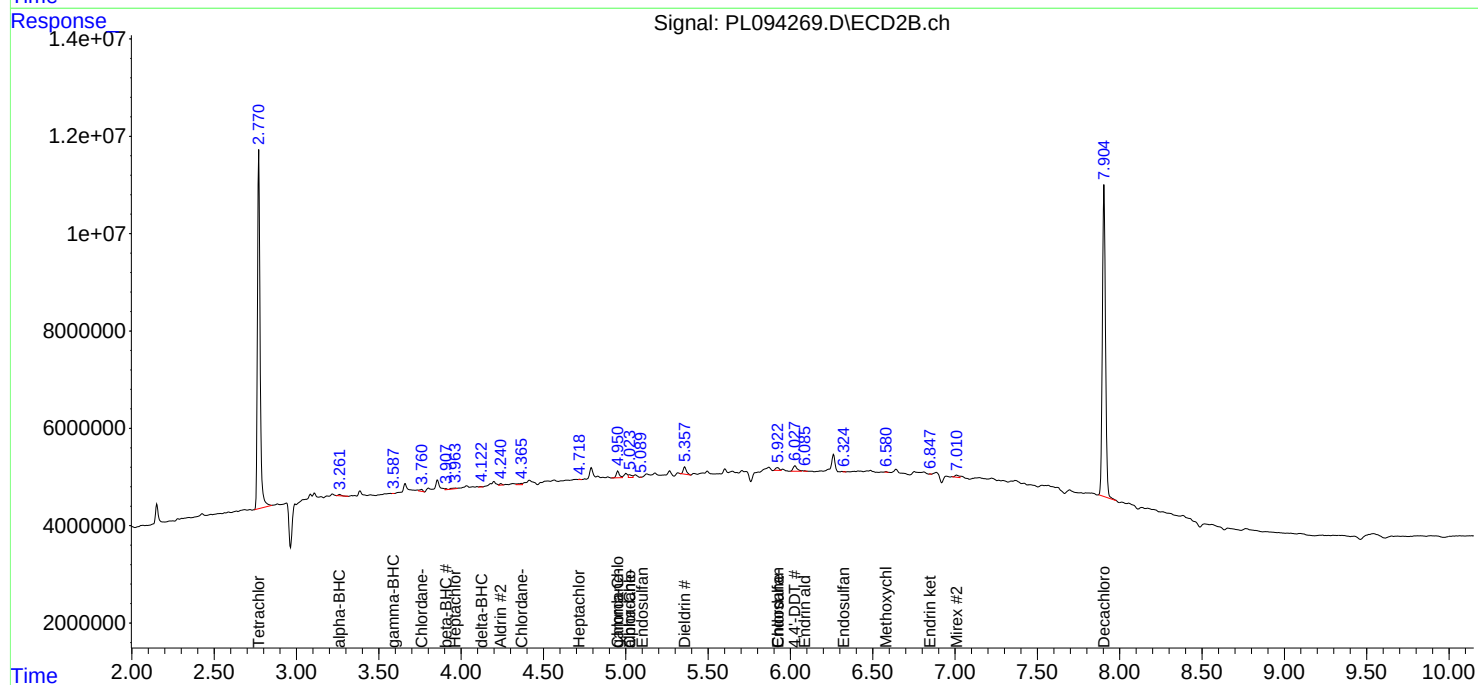
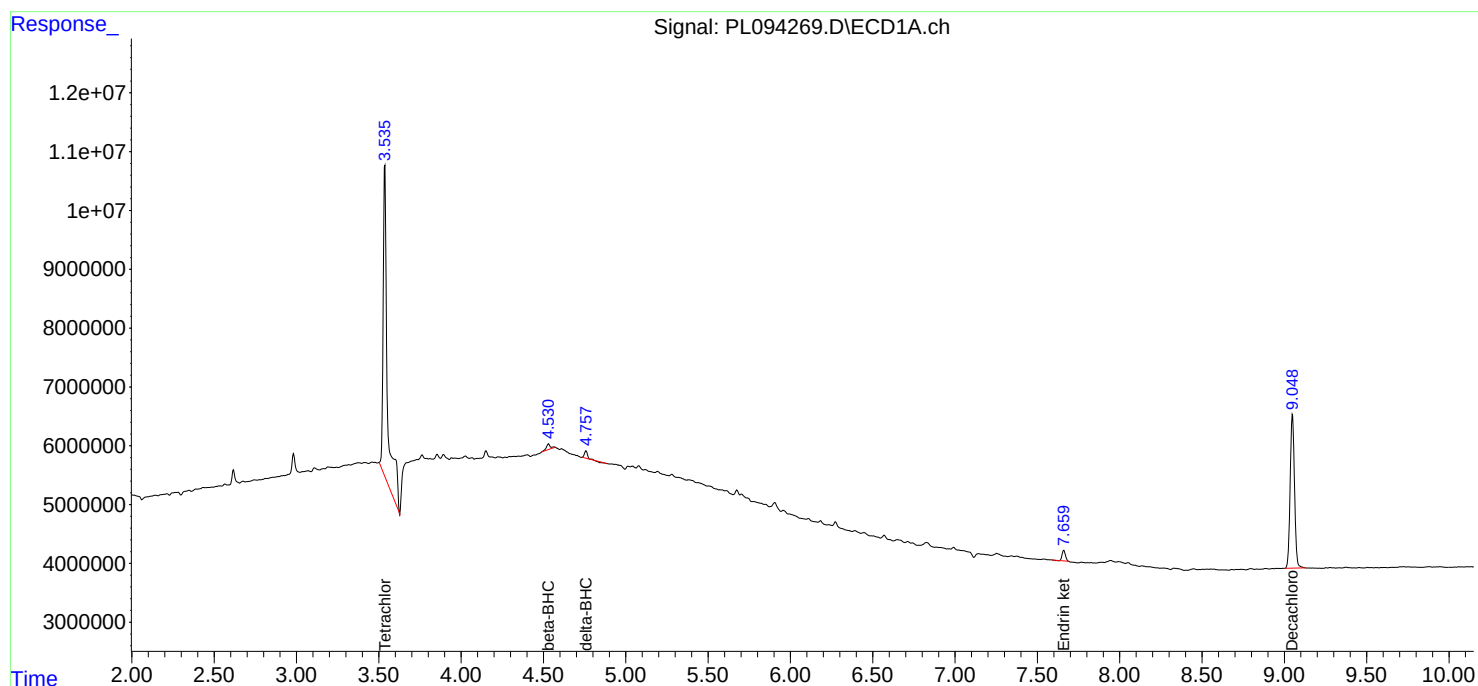
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

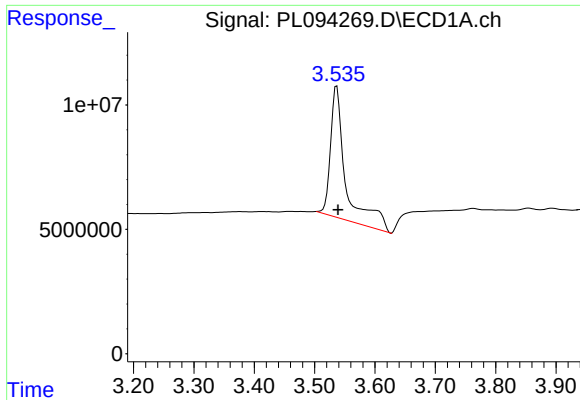
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:19
Operator : AR\AJ
Sample : Q1382-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

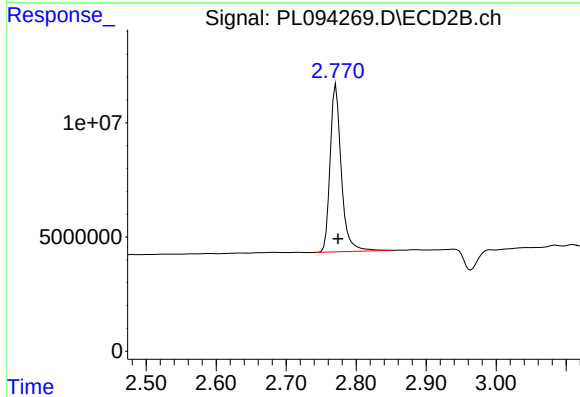




#1 Tetrachloro-m-xylene

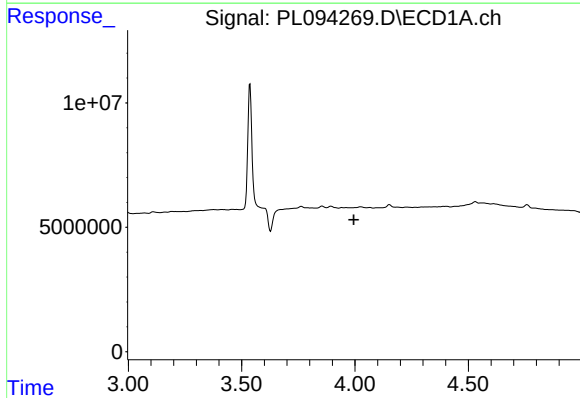
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 93693491
Conc: 34.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



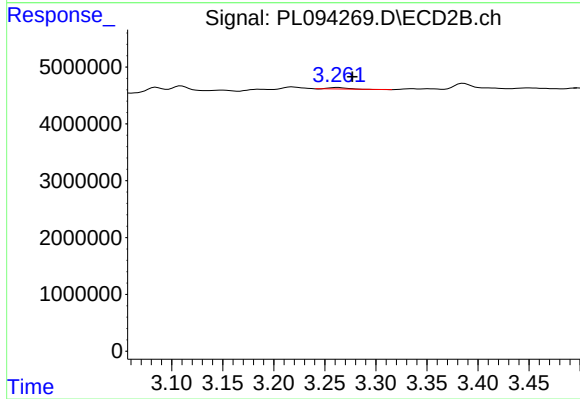
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 81288968
Conc: 24.90 ng/ml



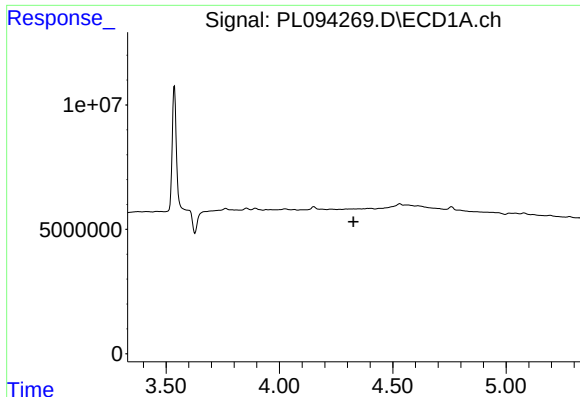
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

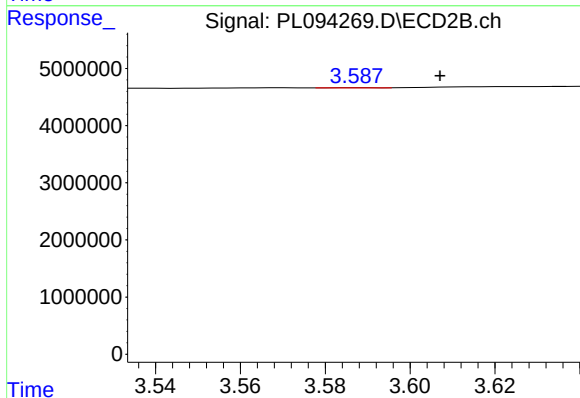
R.T.: 3.263 min
Delta R.T.: -0.014 min
Response: 332493
Conc: 0.07 ng/ml



#3 gamma-BHC (Lindane)

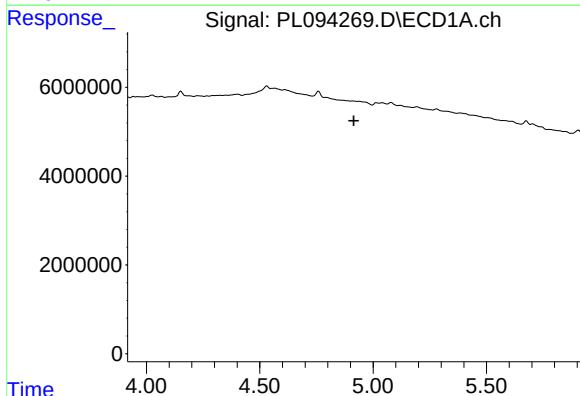
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



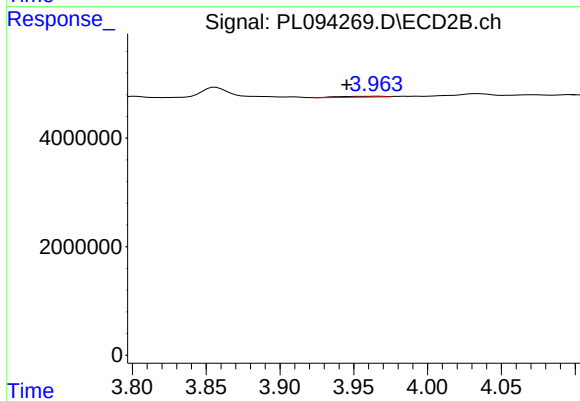
#3 gamma-BHC (Lindane)

R.T.: 3.588 min
Delta R.T.: -0.019 min
Response: 7992
Conc: 0.00 ng/ml



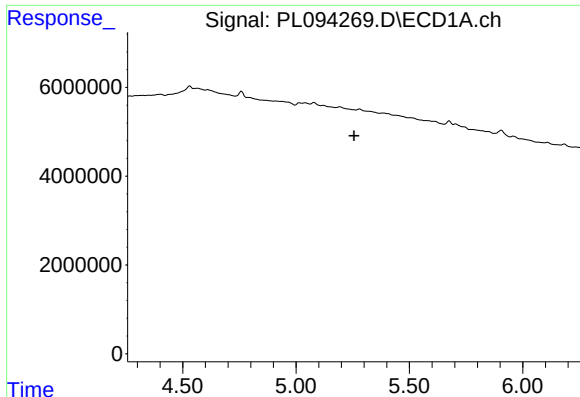
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

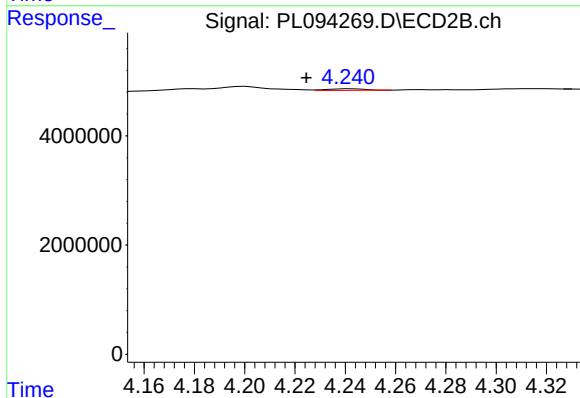
R.T.: 3.966 min
Delta R.T.: 0.021 min
Response: 358449
Conc: 0.08 ng/ml



#5 Aldrin

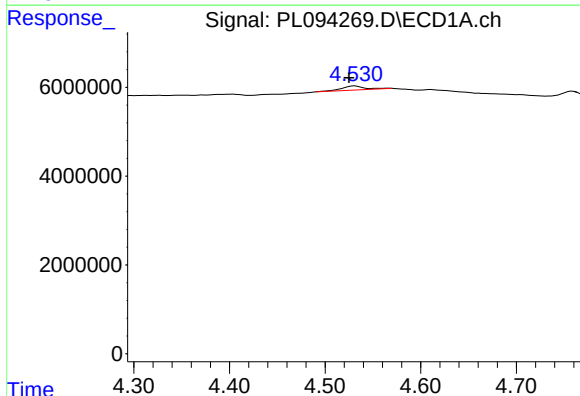
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



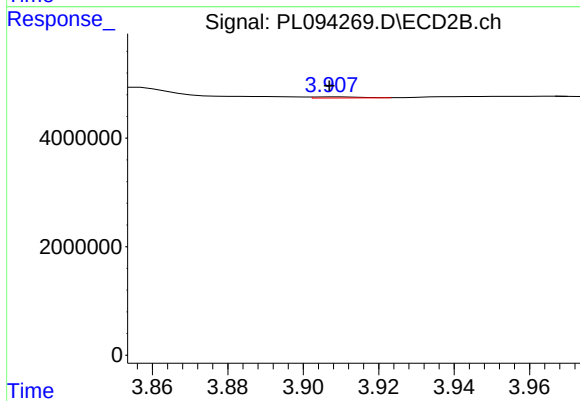
#5 Aldrin

R.T.: 4.242 min
Delta R.T.: 0.017 min
Response: 321980
Conc: 0.07 ng/ml



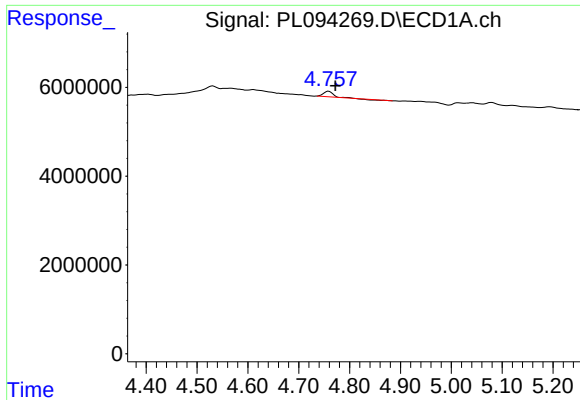
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 1671905
Conc: 1.04 ng/ml



#6 beta-BHC

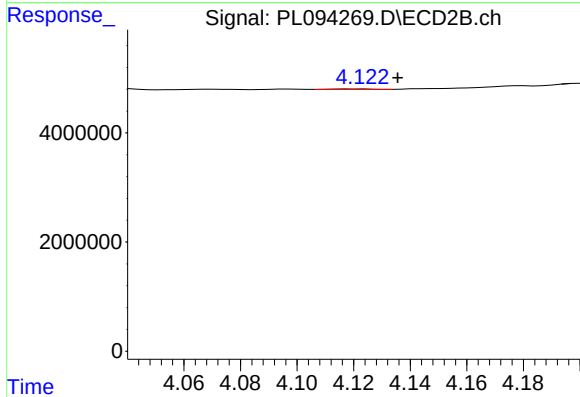
R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 184038
Conc: 0.09 ng/ml



#7 delta-BHC

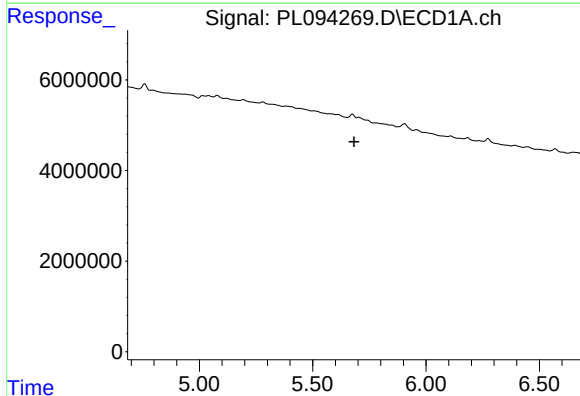
R.T.: 4.759 min
Delta R.T.: -0.013 min
Response: 1308408
Conc: 0.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



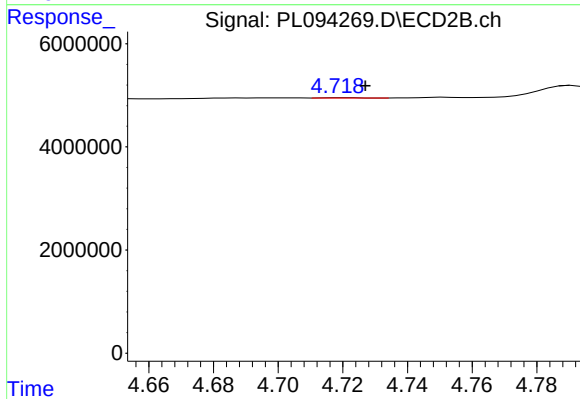
#7 delta-BHC

R.T.: 4.122 min
Delta R.T.: -0.014 min
Response: 89387
Conc: 0.02 ng/ml



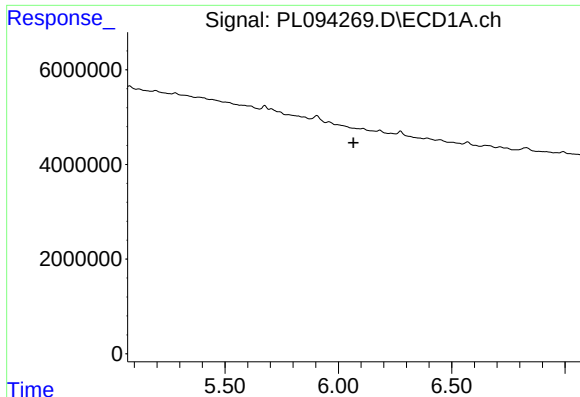
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

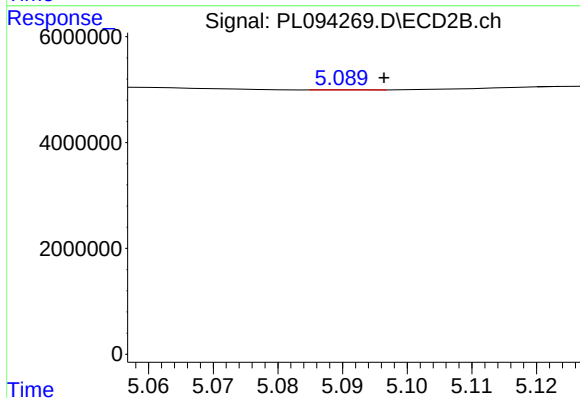
R.T.: 4.719 min
Delta R.T.: -0.008 min
Response: 34596
Conc: 0.01 ng/ml



#9 Endosulfan I

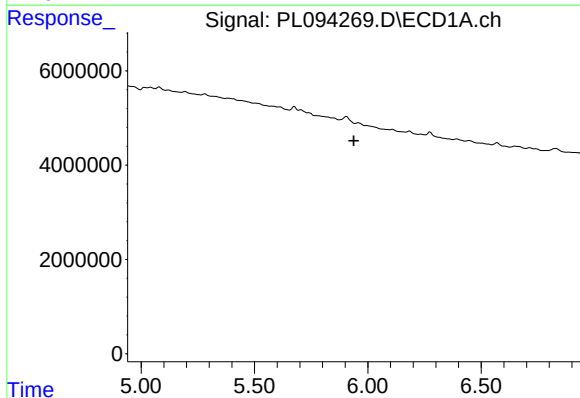
R.T.: 0.000 min
Exp R.T.: 6.067 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



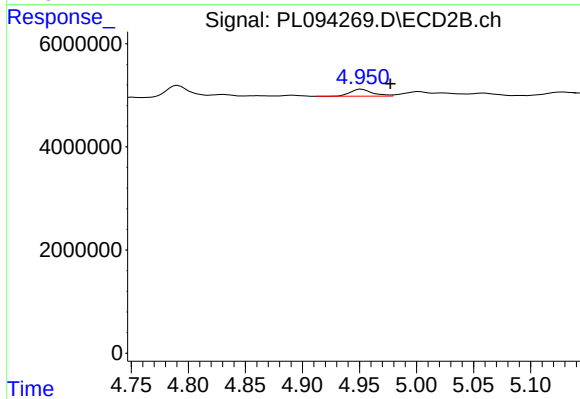
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.005 min
Response: 12702
Conc: 0.00 ng/ml



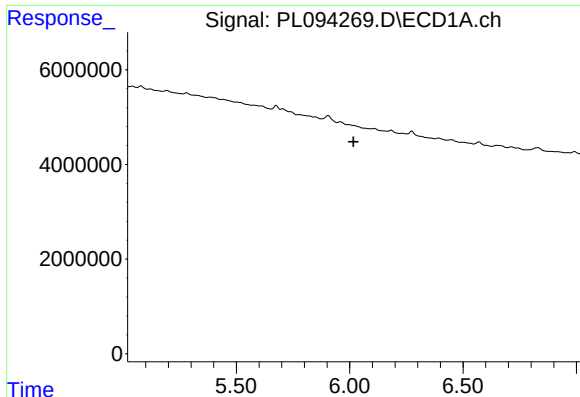
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

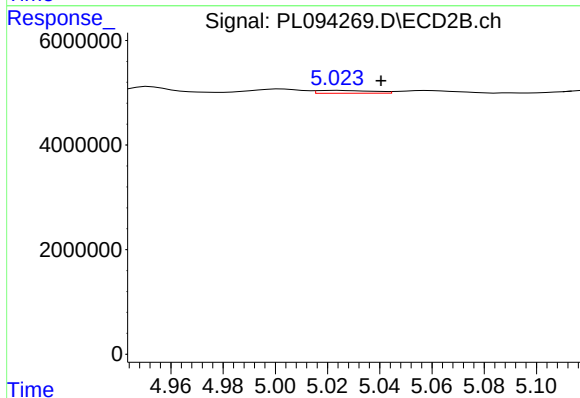
R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 1855189
Conc: 0.44 ng/ml



#11 alpha-Chlordane

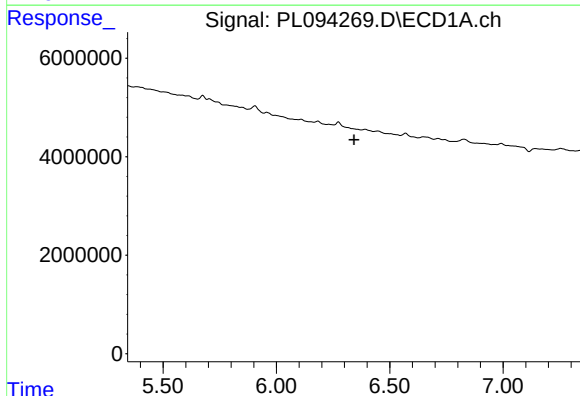
R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



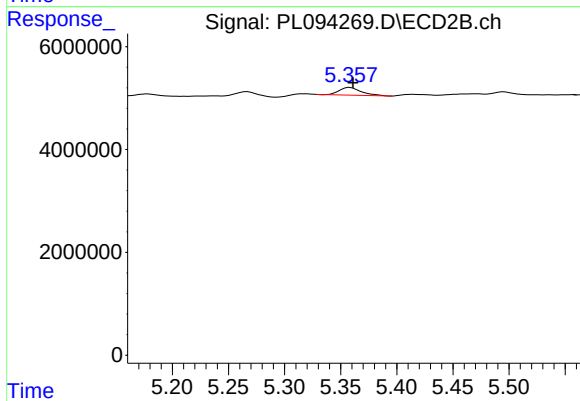
#11 alpha-Chlordane

R.T.: 5.024 min
Delta R.T.: -0.017 min
Response: 823299
Conc: 0.20 ng/ml



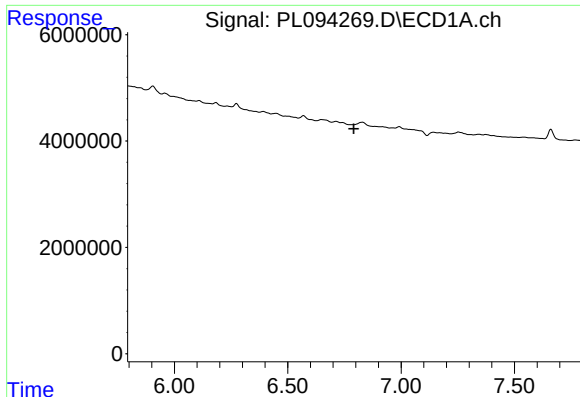
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

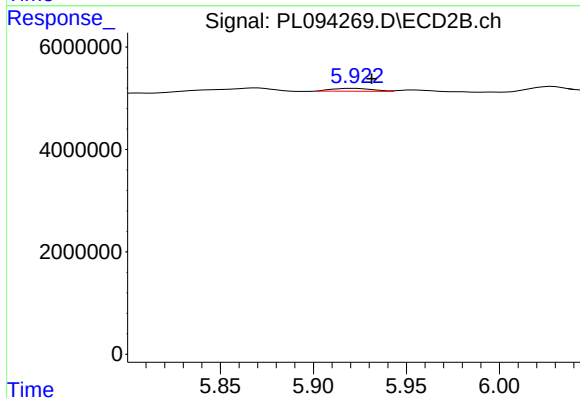
R.T.: 5.358 min
Delta R.T.: -0.002 min
Response: 2017345
Conc: 0.47 ng/ml



#15 Endosulfan II

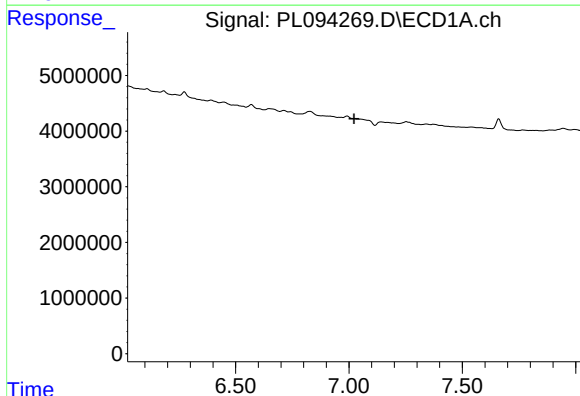
R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



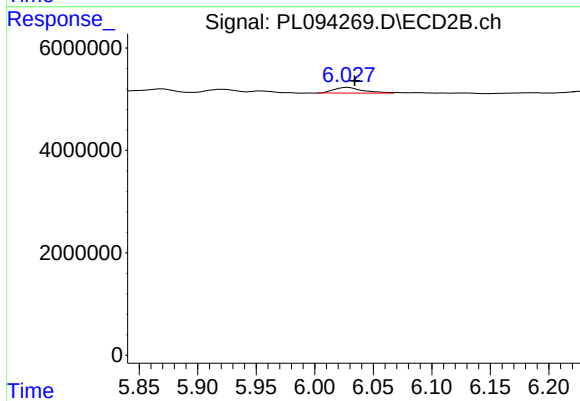
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.008 min
Response: 854294
Conc: 0.23 ng/ml



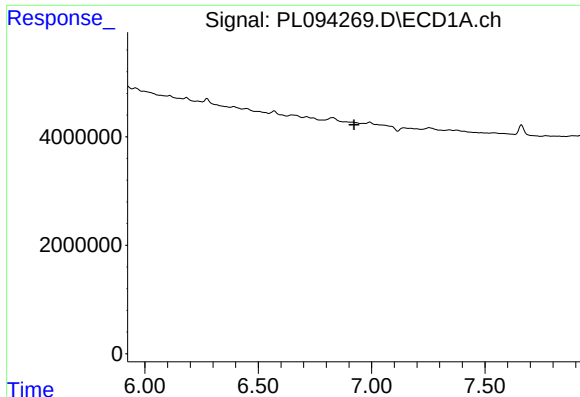
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

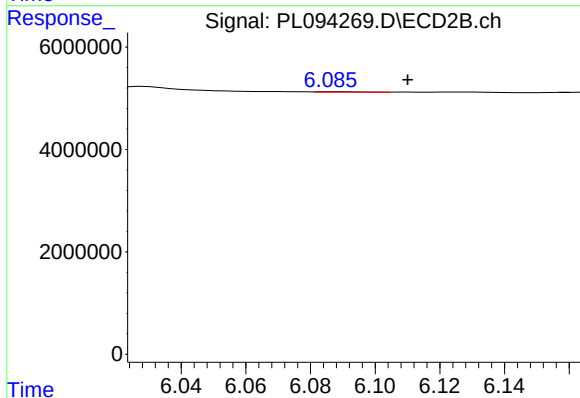
R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 1907095
Conc: 0.59 ng/ml



#18 Endrin aldehyde

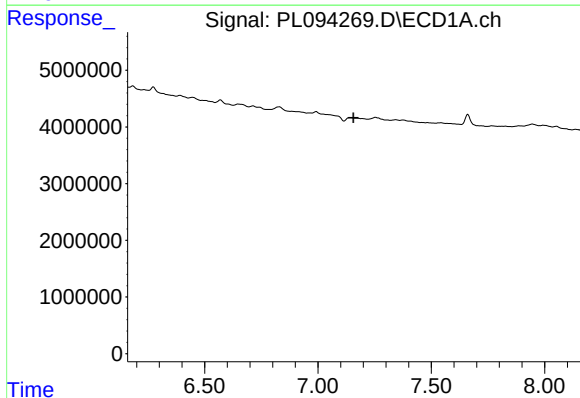
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



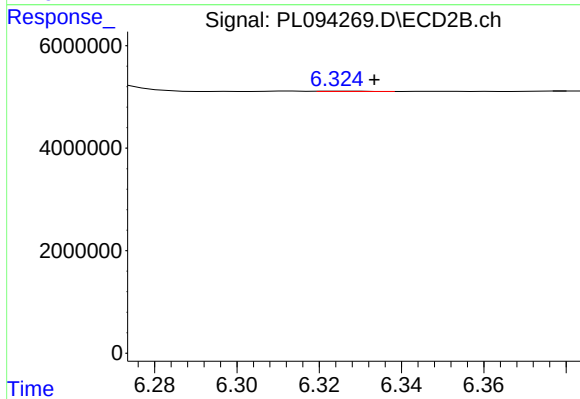
#18 Endrin aldehyde

R.T.: 6.087 min
Delta R.T.: -0.023 min
Response: 72960
Conc: 0.02 ng/ml



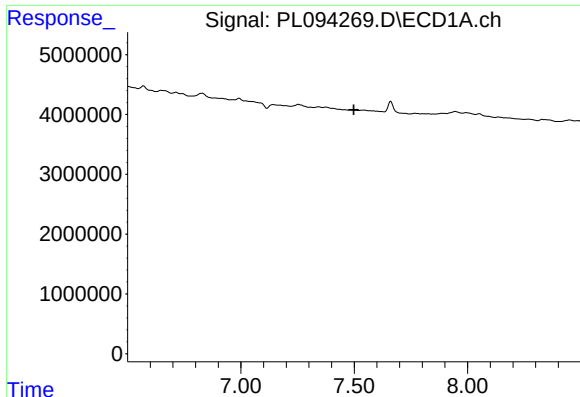
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

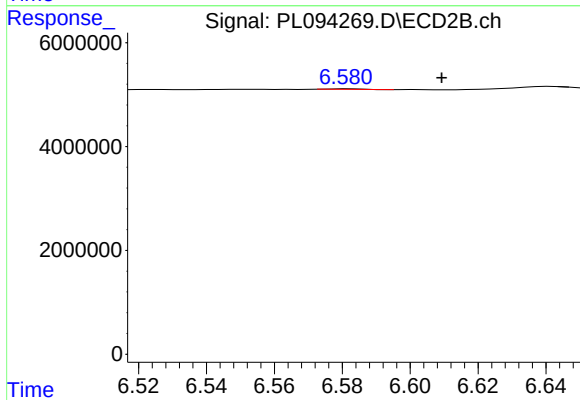
R.T.: 6.325 min
Delta R.T.: -0.008 min
Response: 47860
Conc: 0.01 ng/ml



#20 Methoxychlor

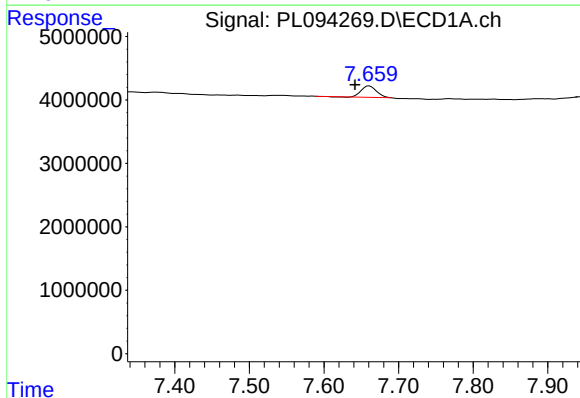
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



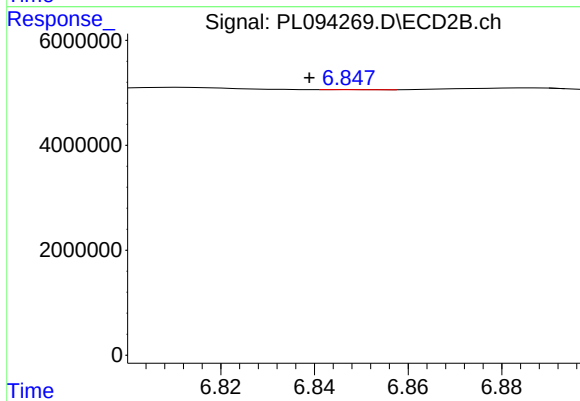
#20 Methoxychlor

R.T.: 6.581 min
Delta R.T.: -0.028 min
Response: 78690
Conc: 0.04 ng/ml



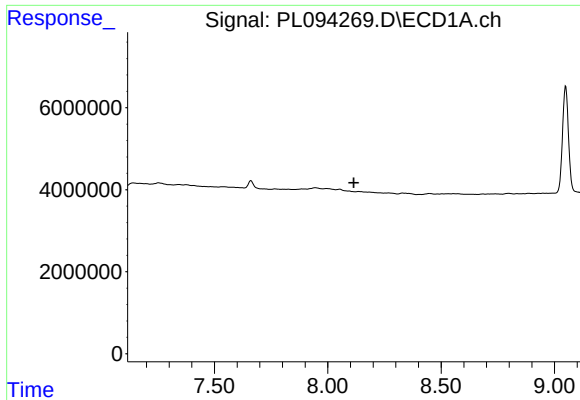
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: 0.019 min
Response: 2524936
Conc: 1.00 ng/ml



#21 Endrin ketone

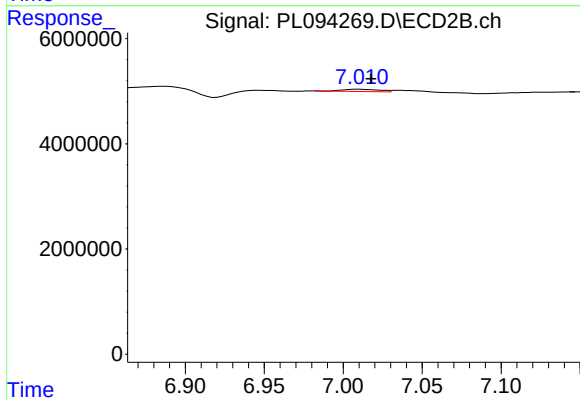
R.T.: 6.848 min
Delta R.T.: 0.009 min
Response: 16994
Conc: 0.00 ng/ml



#22 Mirex

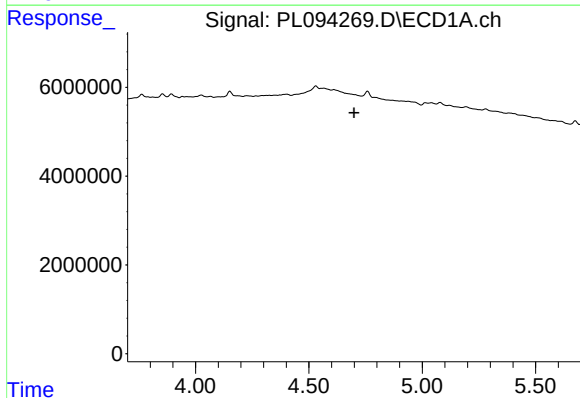
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



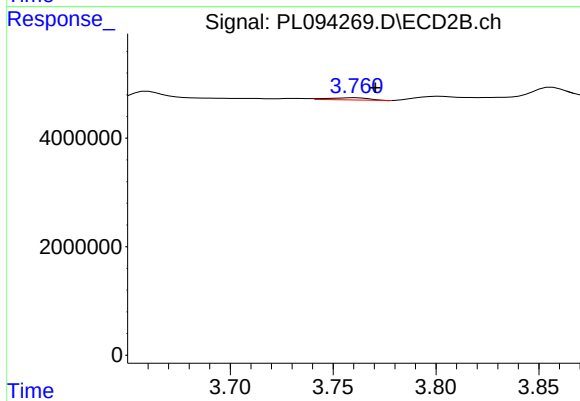
#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.008 min
Response: 683202
Conc: 0.20 ng/ml



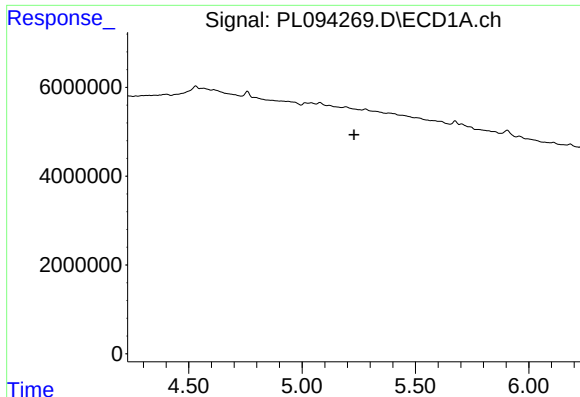
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

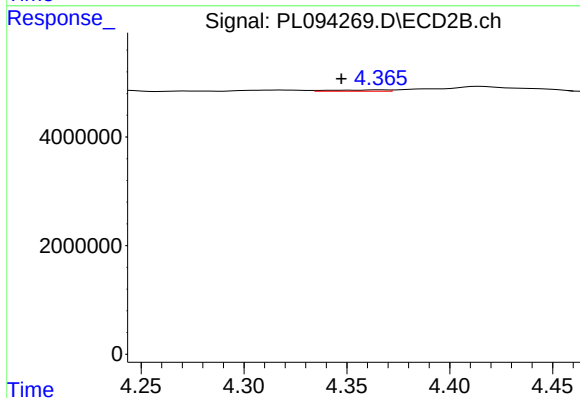
R.T.: 3.761 min
Delta R.T.: -0.010 min
Response: 551337
Conc: 4.42 ng/ml



#24 Chlordane-2

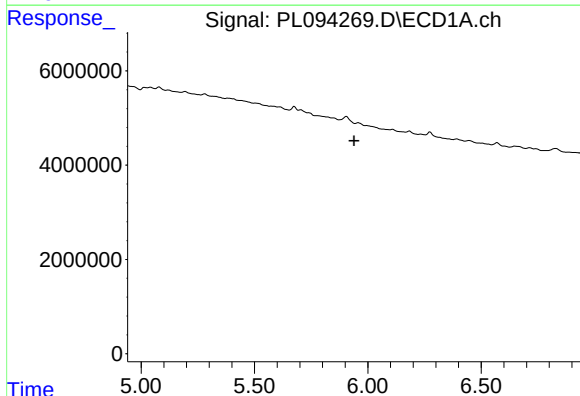
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



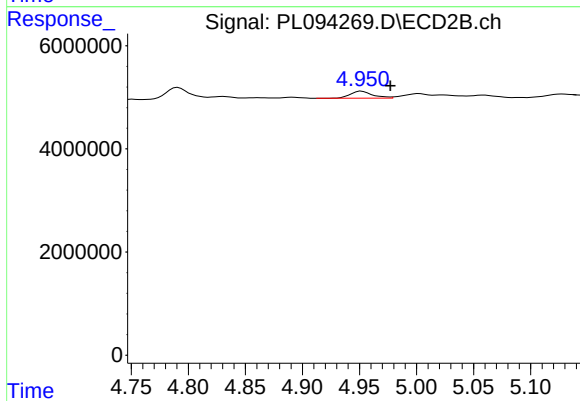
#24 Chlordane-2

R.T.: 4.366 min
Delta R.T.: 0.019 min
Response: 442066
Conc: 3.01 ng/ml



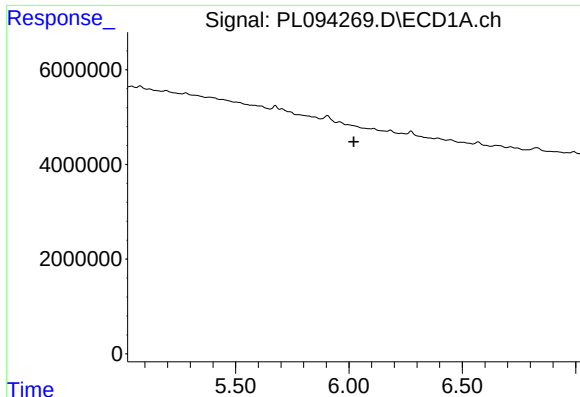
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

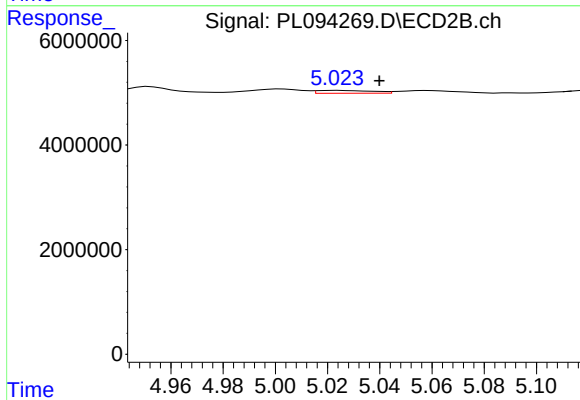
R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 1855189
Conc: 4.27 ng/ml



#26 Chlordane-4

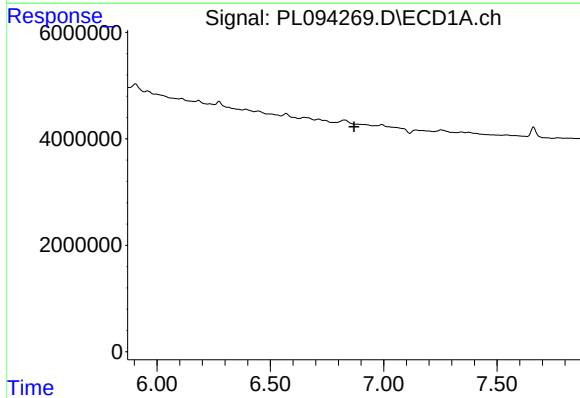
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



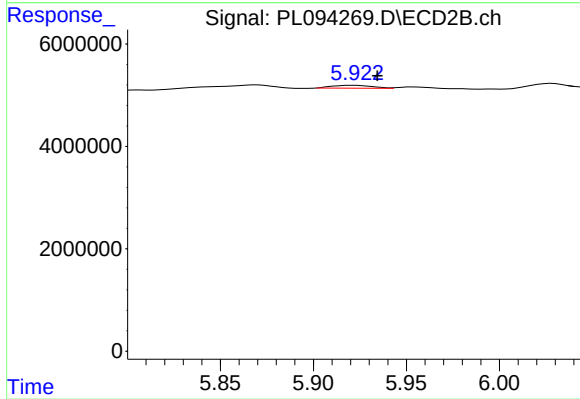
#26 Chlordane-4

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 823299
Conc: 1.94 ng/ml



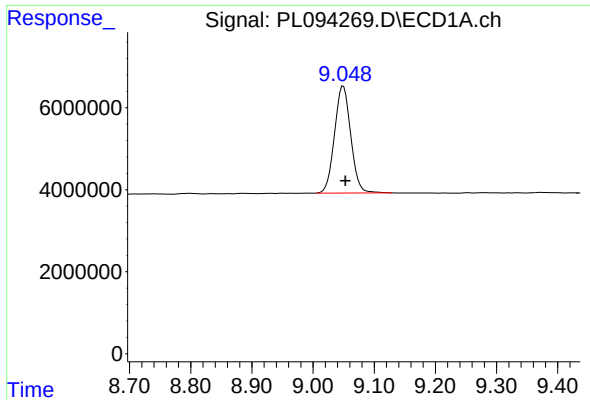
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

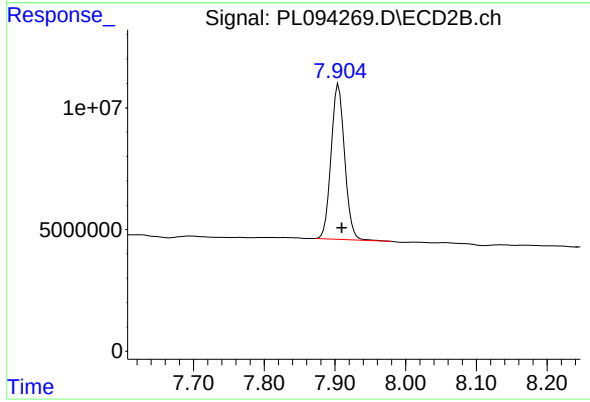
R.T.: 5.923 min
Delta R.T.: -0.012 min
Response: 854294
Conc: 5.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 48133587
Conc: 23.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-04-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 84711180
Conc: 24.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094271.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 17:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:14:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	126.9E6	163.9E6	47.143	50.221
28)	SA Decachlor...	9.049	7.905	103.4E6	193.6E6	49.420	55.252
Target Compounds							
2)	A alpha-BHC	3.993	3.274	184.7E6	253.1E6	48.171	51.762
3)	MA gamma-BHC...	4.325	3.603	179.9E6	246.5E6	48.862	52.001
4)	MA Heptachlor	4.913	3.942	164.4E6	245.5E6	50.149	52.747
5)	MB Aldrin	5.254	4.221	165.9E6	241.5E6	50.718	52.930
6)	B beta-BHC	4.524	3.904	78052179	102.8E6	48.560	51.454
7)	B delta-BHC	4.771	4.132	176.8E6	249.5E6	50.443	52.505
8)	B Heptachlo...	5.681	4.723	148.1E6	221.4E6	49.790	52.952
9)	A Endosulfan I	6.066	5.092	132.0E6	206.5E6	49.945	53.260
10)	B gamma-Chl...	5.937	4.973	141.7E6	225.5E6	50.832	53.204
11)	B alpha-Chl...	6.015	5.036	140.4E6	223.0E6	50.344	53.255
12)	B 4,4'-DDE	6.190	5.225	128.8E6	217.5E6	52.912	54.235
13)	MA Dieldrin	6.341	5.357	138.9E6	227.7E6	50.029	53.016
14)	MA Endrin	6.571	5.632	117.3E6	197.6E6	50.027	53.506
15)	B Endosulfa...	6.792	5.927	119.2E6	197.2E6	49.475	53.249
16)	A 4,4'-DDD	6.707	5.780	96506849	171.3E6	50.778	54.267
17)	MA 4,4'-DDT	7.020	6.030	102.5E6	185.5E6	51.960	57.019
18)	B Endrin al...	6.921	6.106	95712031	161.0E6	49.233	52.865
19)	B Endosulfa...	7.156	6.329	110.1E6	190.9E6	48.623	53.530
20)	A Methoxychlor	7.497	6.605	55837834	100.1E6	53.515	55.990
21)	B Endrin ke...	7.640	6.834	124.0E6	226.1E6	49.149	53.902
22)	Mirex	8.113	7.014	101.0E6	184.3E6	48.496	54.505
24)	Chlordane-2	5.254f	4.360	165.9E6	514023	1417.391	3.503 #
25)	Chlordane-3	5.937	4.973	141.7E6	225.5E6	361.201	518.506 #
26)	Chlordane-4	6.015	5.036	140.4E6	223.0E6	298.610	526.250 #
27)	Chlordane-5	0.000	5.927	0	197.2E6	N.D.	1287.695 #

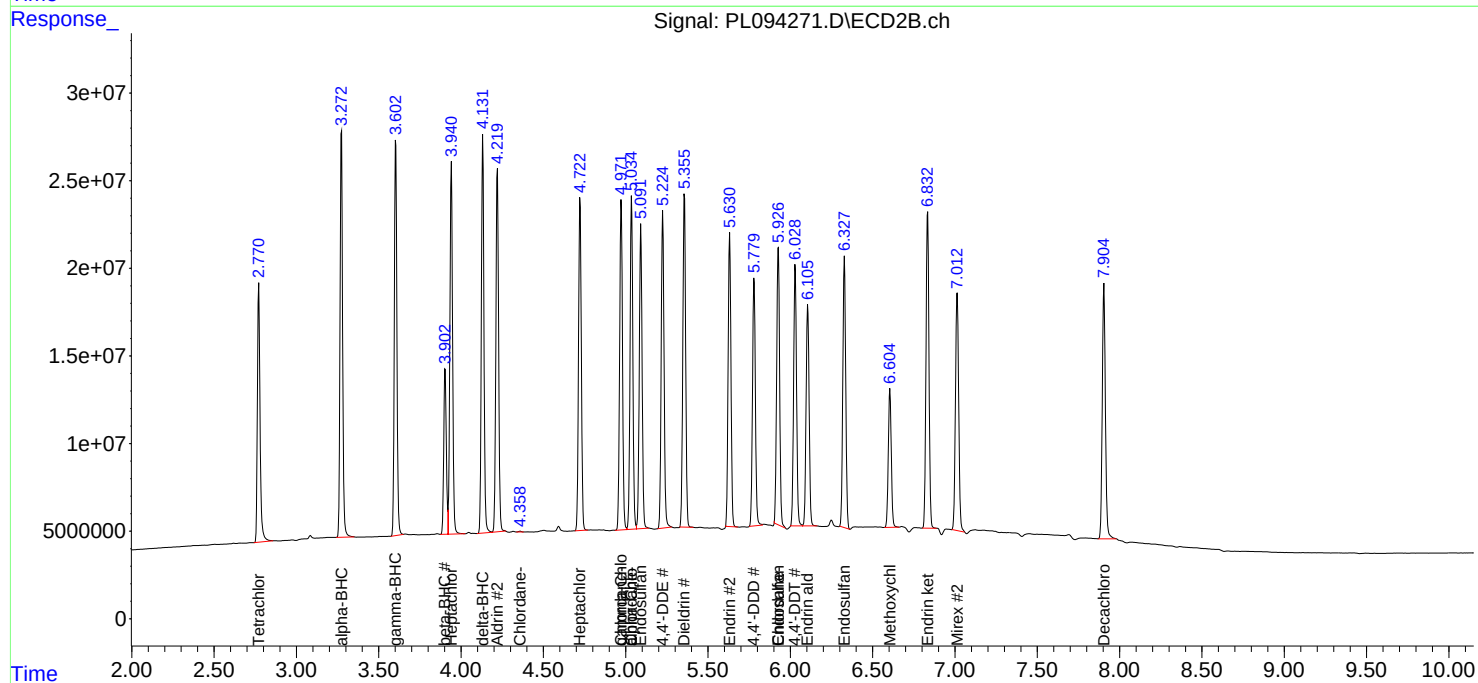
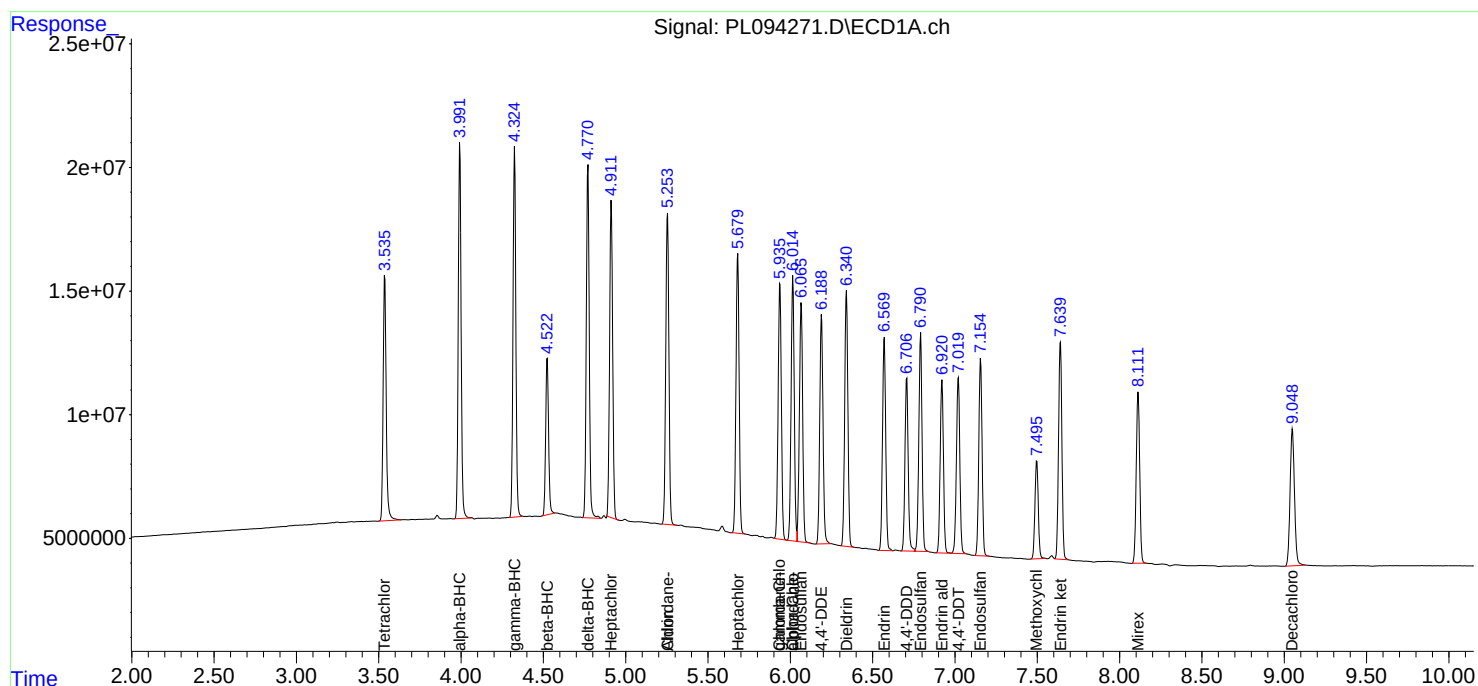
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

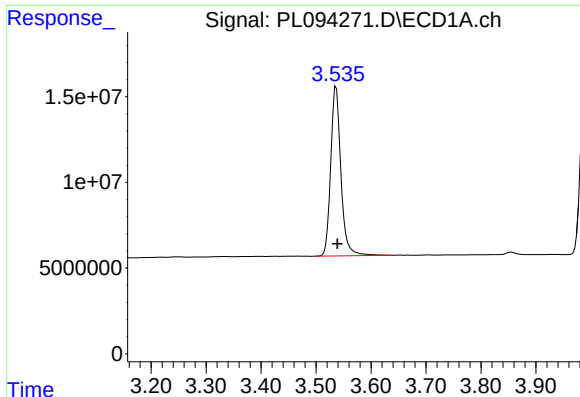
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

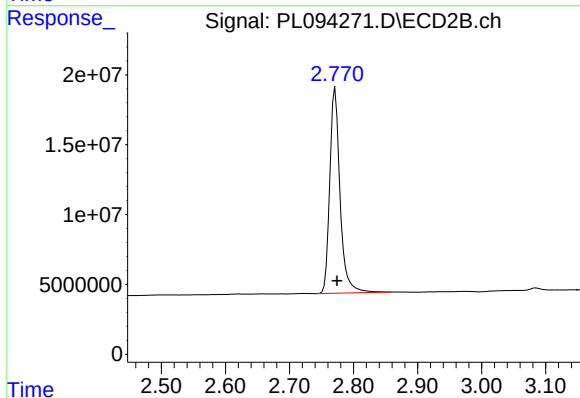




#1 Tetrachloro-m-xylene

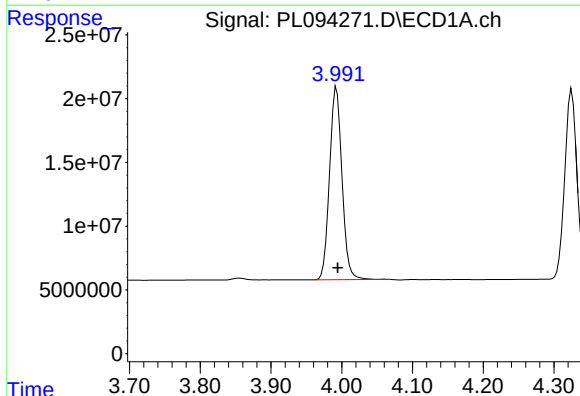
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 126945775
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



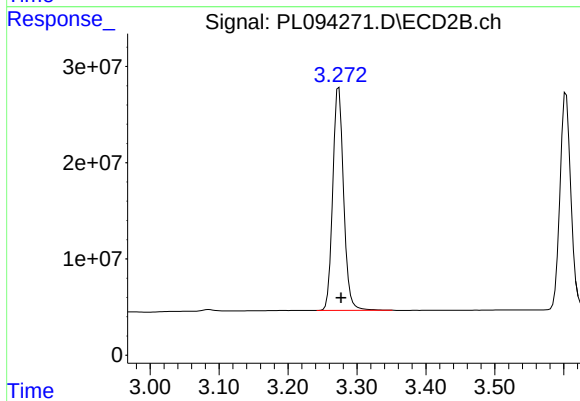
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 163929334
Conc: 50.22 ng/ml



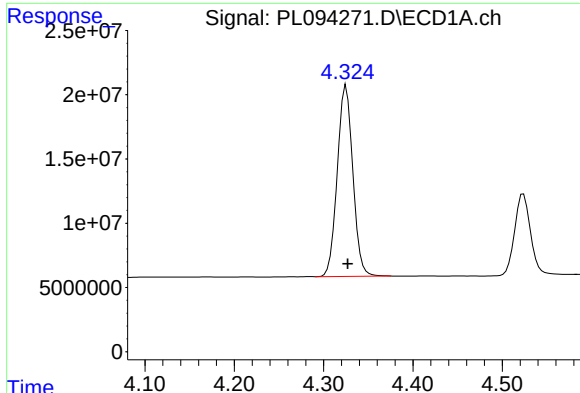
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 184680350
Conc: 48.17 ng/ml



#2 alpha-BHC

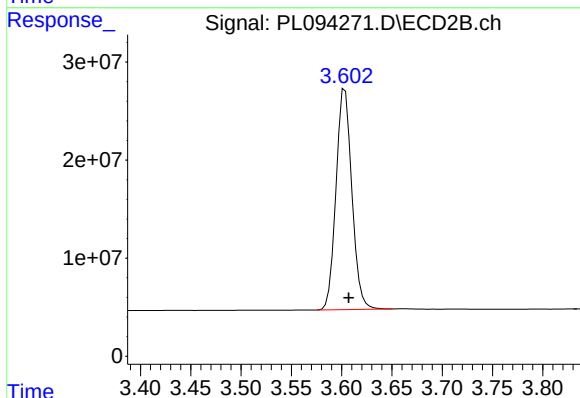
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 253065338
Conc: 51.76 ng/ml



#3 gamma-BHC (Lindane)

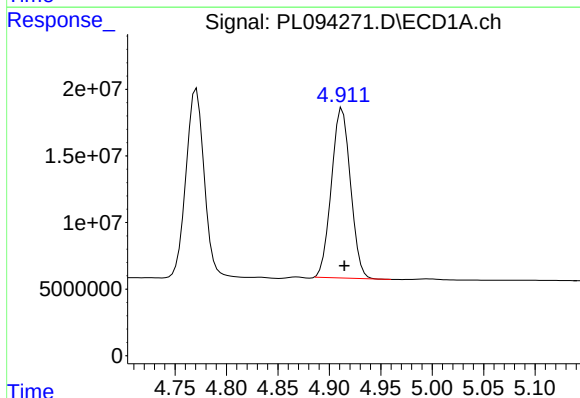
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179949609
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



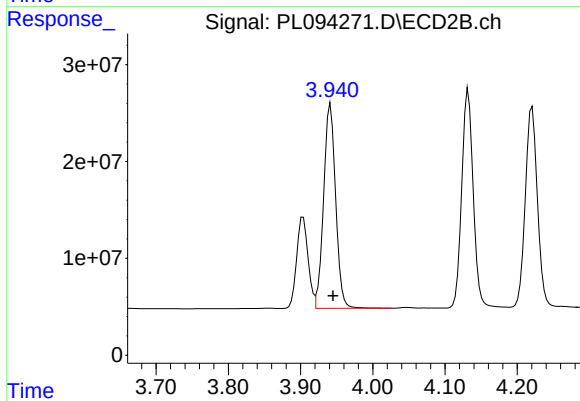
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 246547370
Conc: 52.00 ng/ml



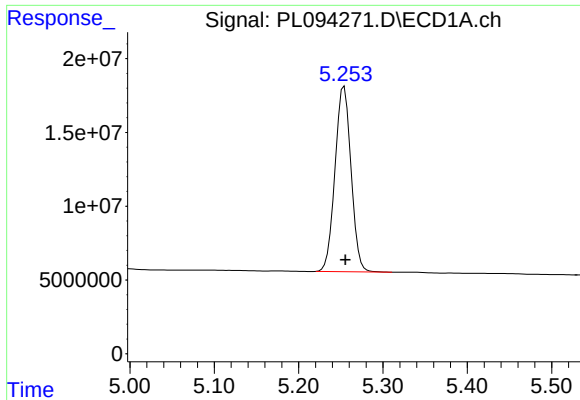
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 164356977
Conc: 50.15 ng/ml



#4 Heptachlor

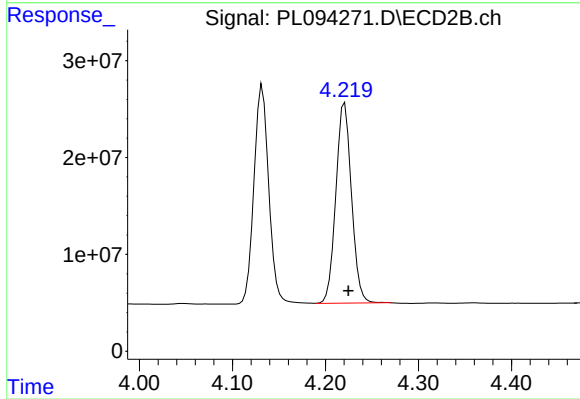
R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245524682
Conc: 52.75 ng/ml



#5 Aldrin

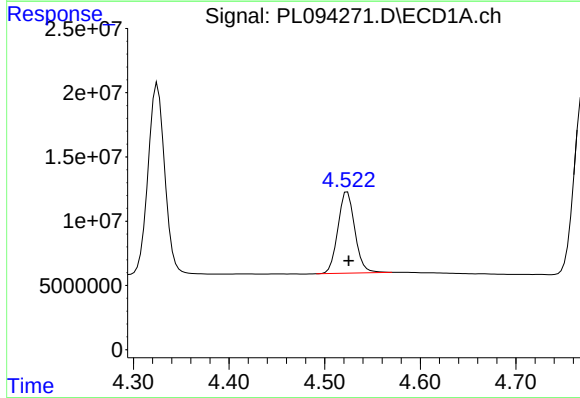
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 165949100
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



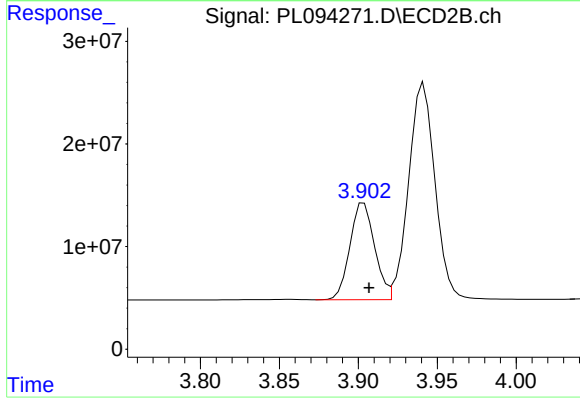
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 241458065
Conc: 52.93 ng/ml



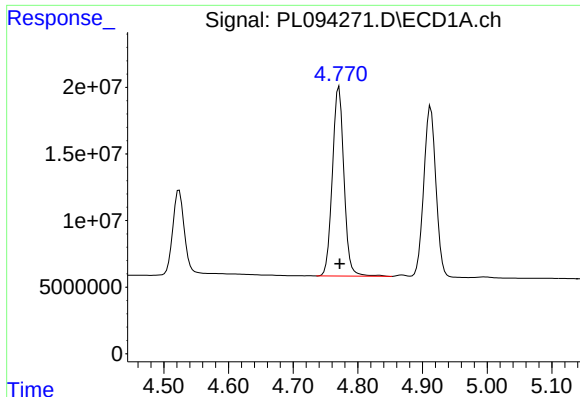
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 78052179
Conc: 48.56 ng/ml



#6 beta-BHC

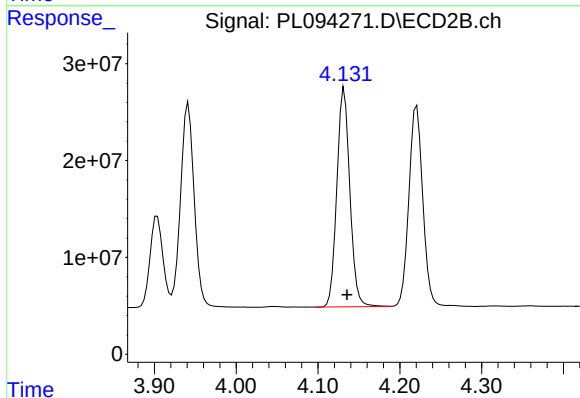
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 102776604
Conc: 51.45 ng/ml



#7 delta-BHC

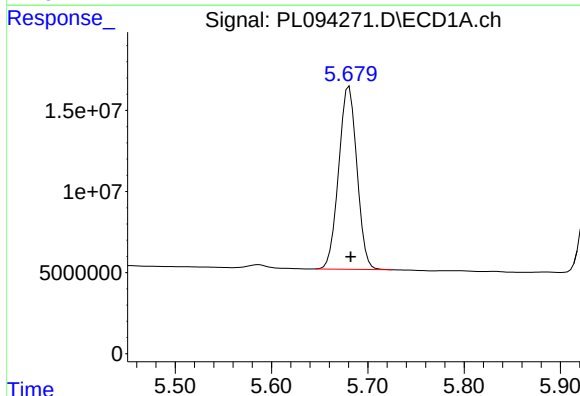
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 176818073
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



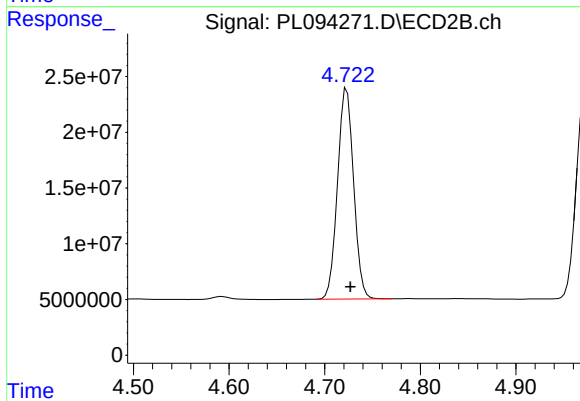
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 249462609
Conc: 52.50 ng/ml



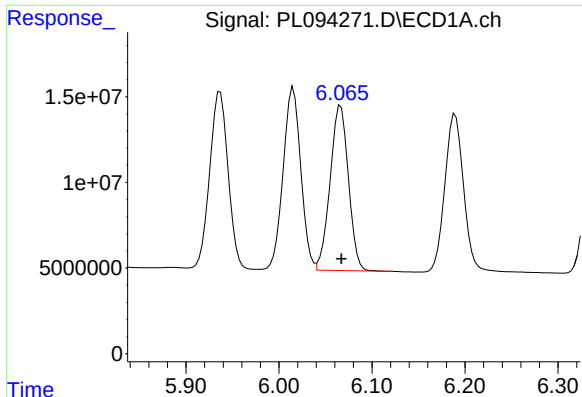
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 148068074
Conc: 49.79 ng/ml



#8 Heptachlor epoxide

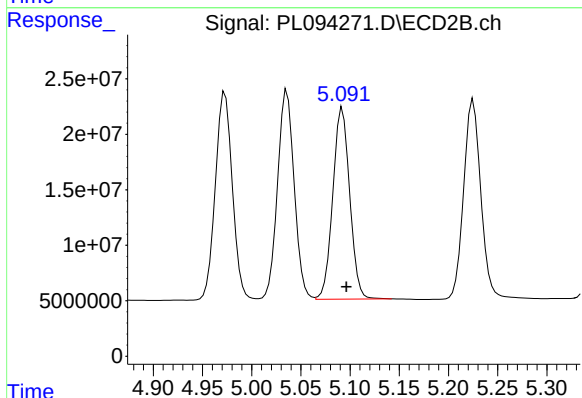
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221351908
Conc: 52.95 ng/ml



#9 Endosulfan I

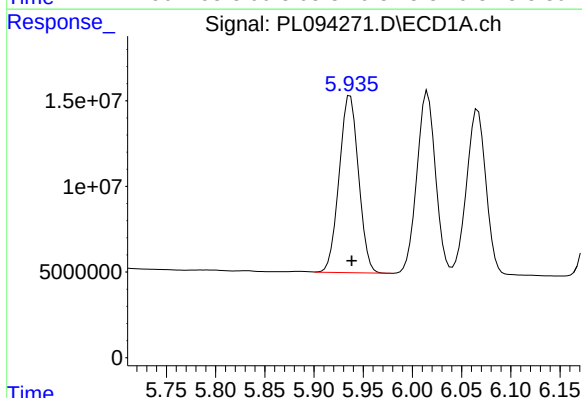
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 131996359
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



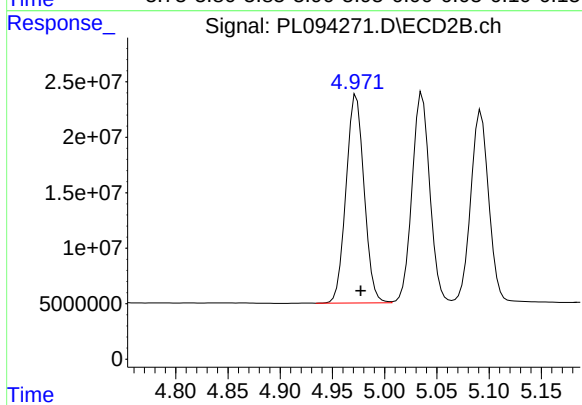
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 206482891
Conc: 53.26 ng/ml



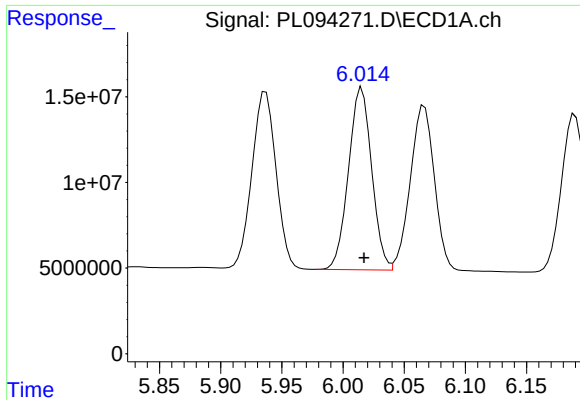
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 50.83 ng/ml



#10 gamma-Chlordane

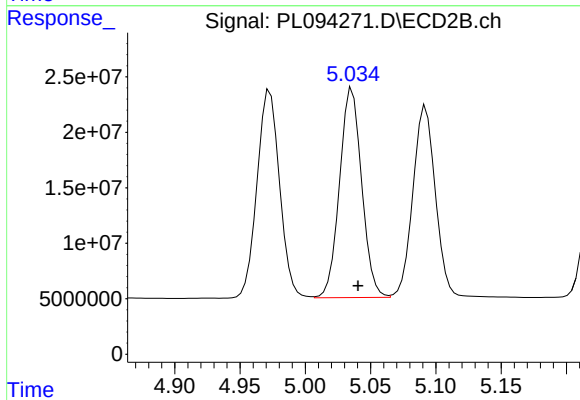
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 53.20 ng/ml



#11 alpha-Chlordane

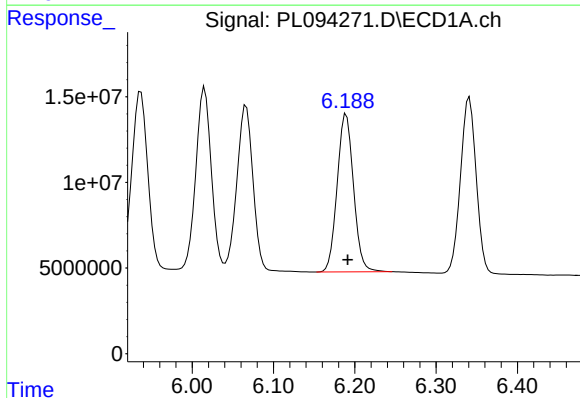
R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140378806
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



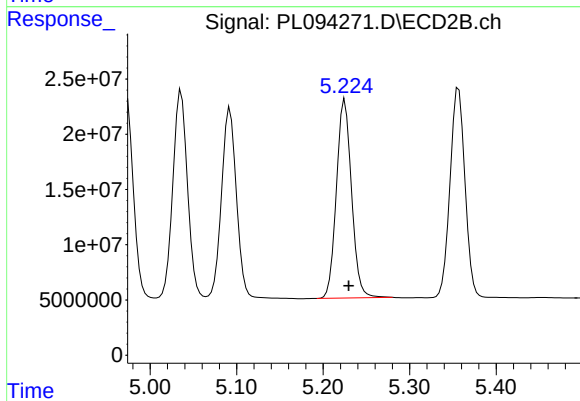
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 222955415
Conc: 53.25 ng/ml



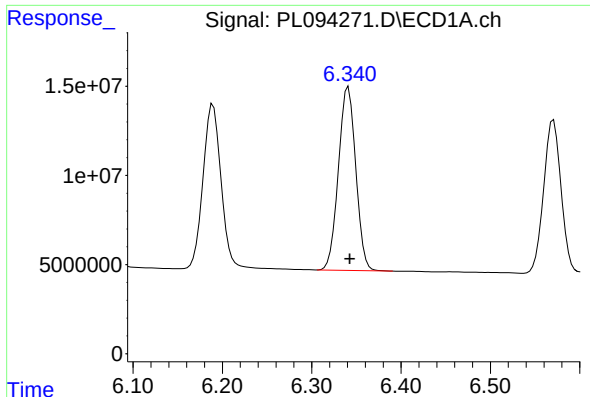
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 128818827
Conc: 52.91 ng/ml



#12 4,4'-DDE

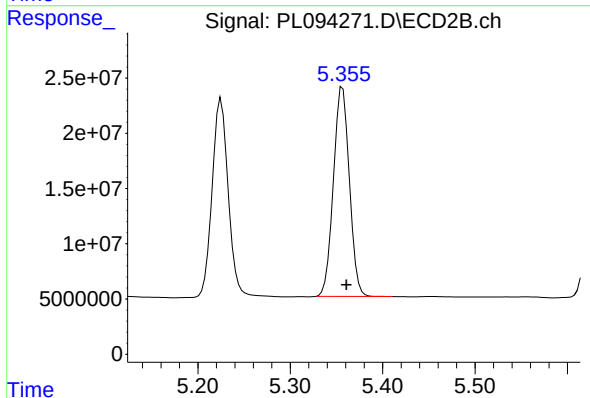
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 217454593
Conc: 54.24 ng/ml



#13 Dieldrin

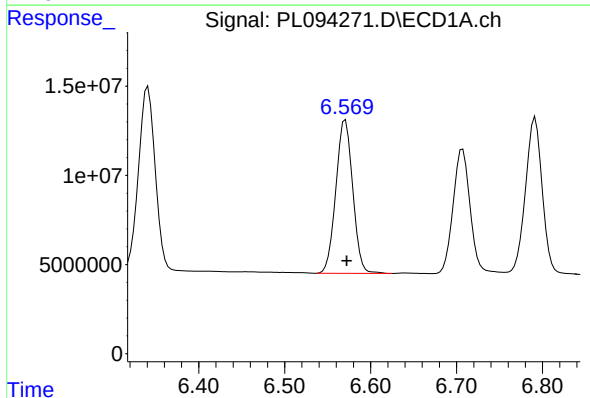
R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 138874400
Conc: 50.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



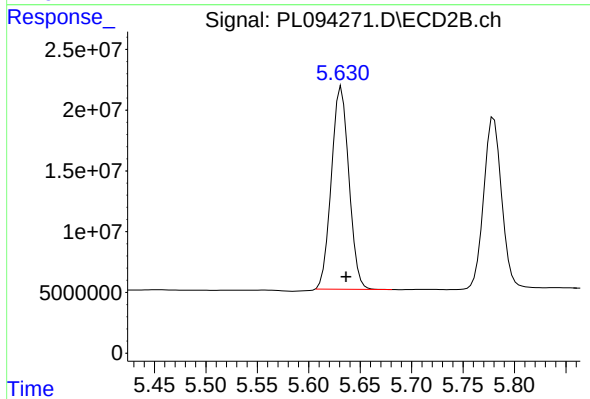
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 227736941
Conc: 53.02 ng/ml



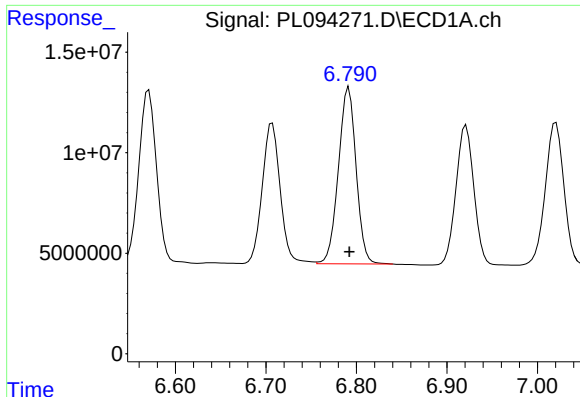
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 117303191
Conc: 50.03 ng/ml



#14 Endrin

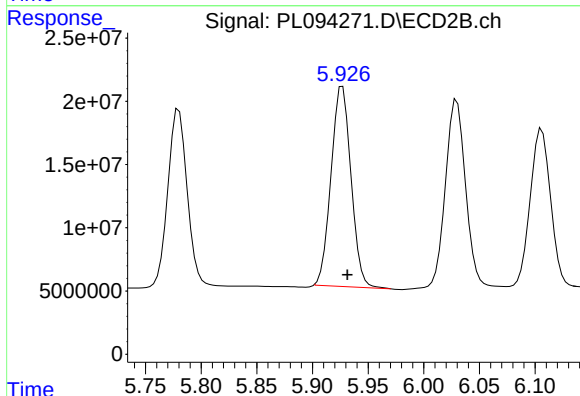
R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 197582084
Conc: 53.51 ng/ml



#15 Endosulfan II

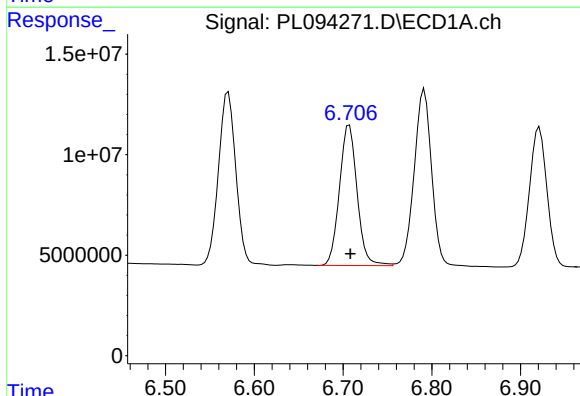
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 119201640
Conc: 49.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



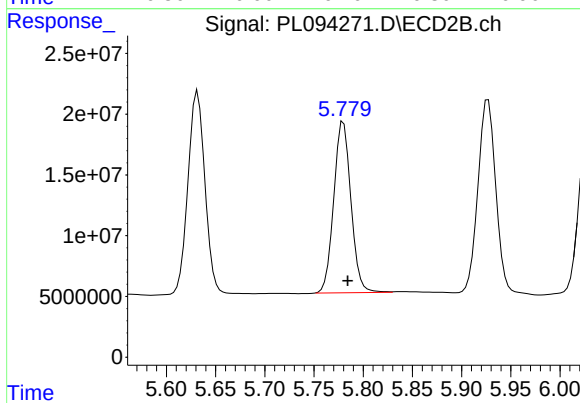
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 197226932
Conc: 53.25 ng/ml



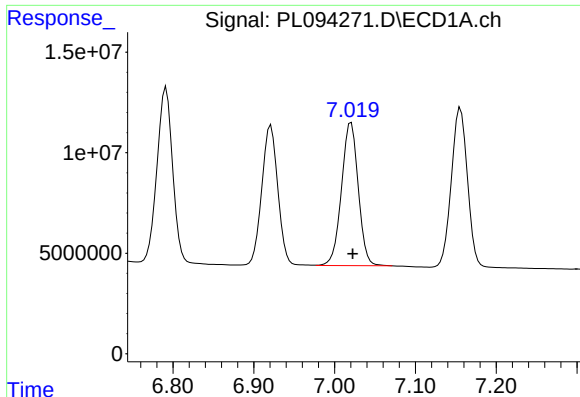
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 96506849
Conc: 50.78 ng/ml



#16 4,4'-DDD

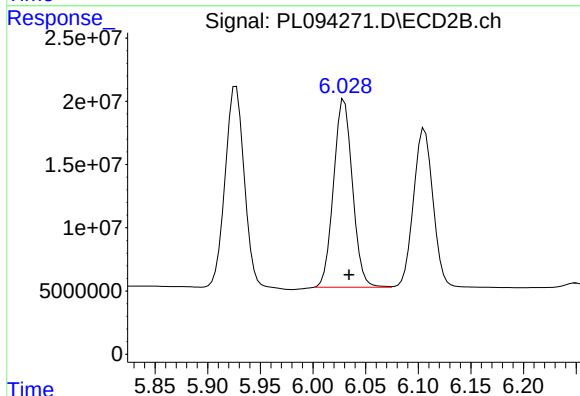
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 171295532
Conc: 54.27 ng/ml



#17 4,4'-DDT

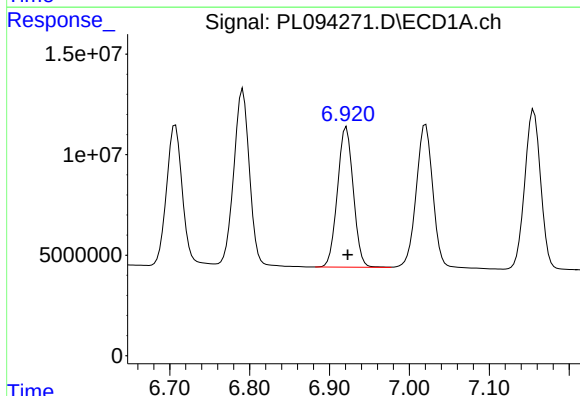
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 102468412
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



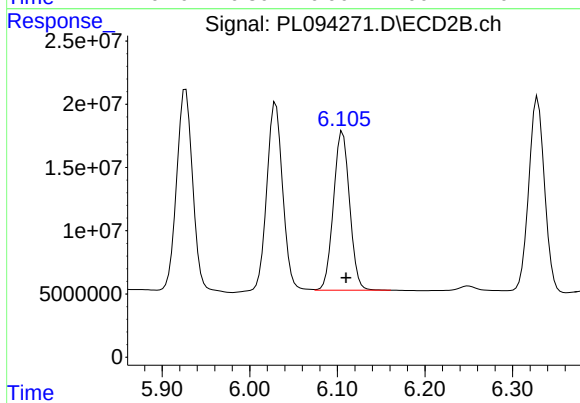
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 185542757
Conc: 57.02 ng/ml



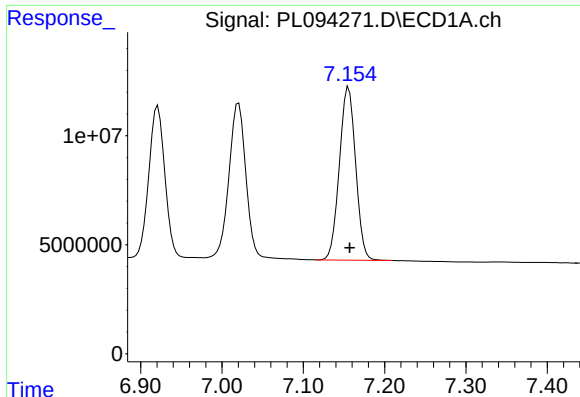
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95712031
Conc: 49.23 ng/ml



#18 Endrin aldehyde

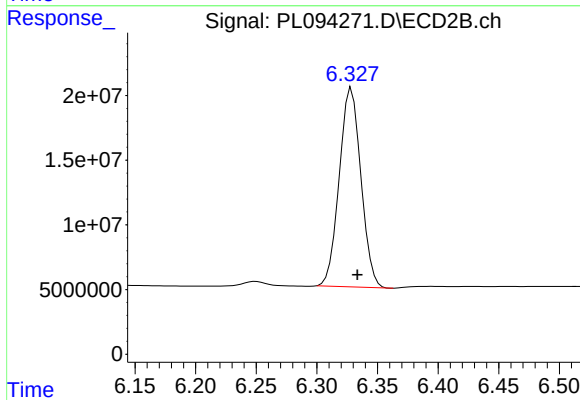
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 160954390
Conc: 52.86 ng/ml



#19 Endosulfan Sulfate

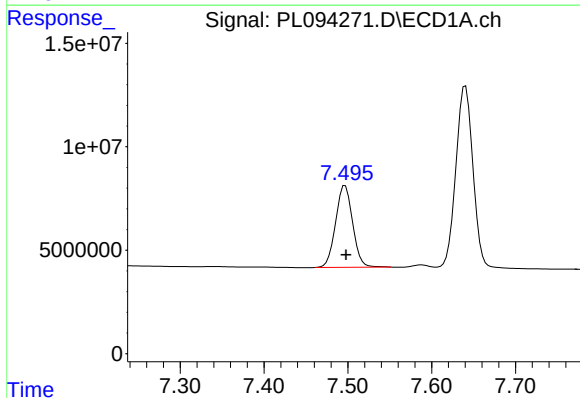
R.T.: 7.156 min
Delta R.T.: -0.001 min
Response: 110069056
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



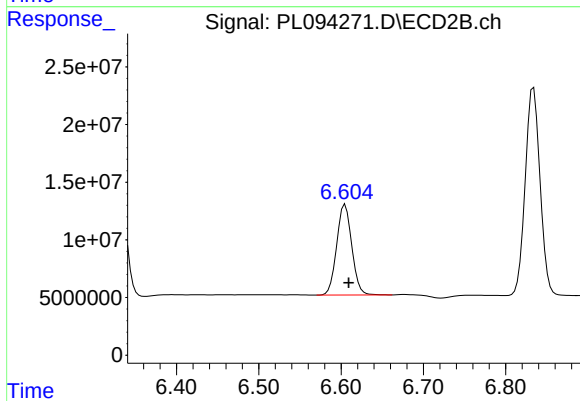
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.005 min
Response: 190893942
Conc: 53.53 ng/ml



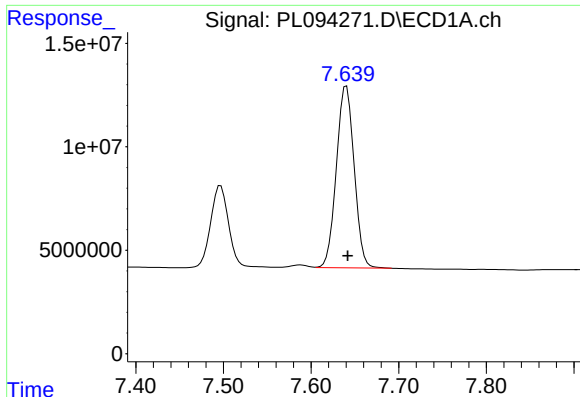
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55837834
Conc: 53.52 ng/ml



#20 Methoxychlor

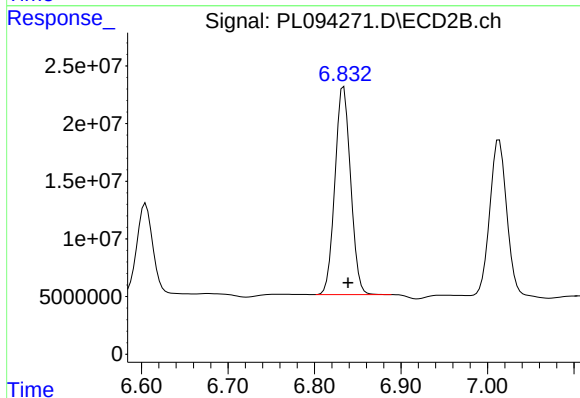
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 100117813
Conc: 55.99 ng/ml



#21 Endrin ketone

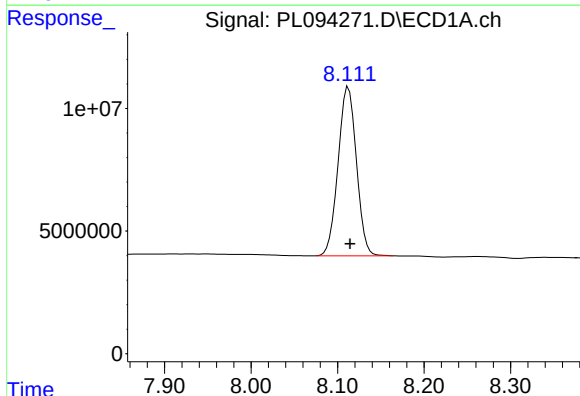
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 123984963
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



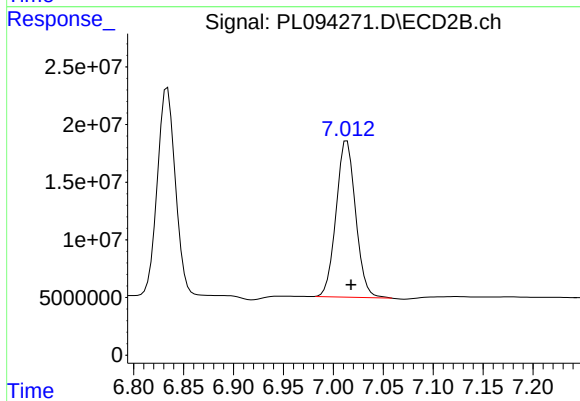
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 226132509
Conc: 53.90 ng/ml



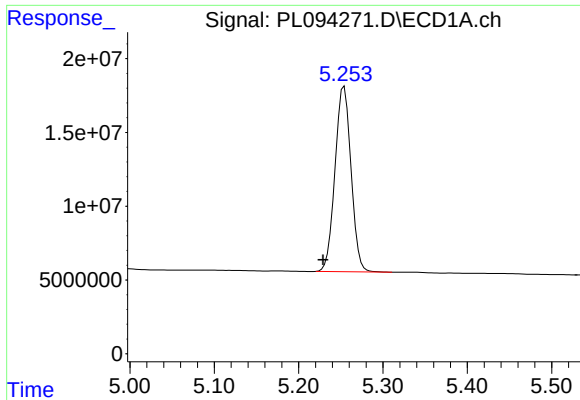
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 100992847
Conc: 48.50 ng/ml



#22 Mirex

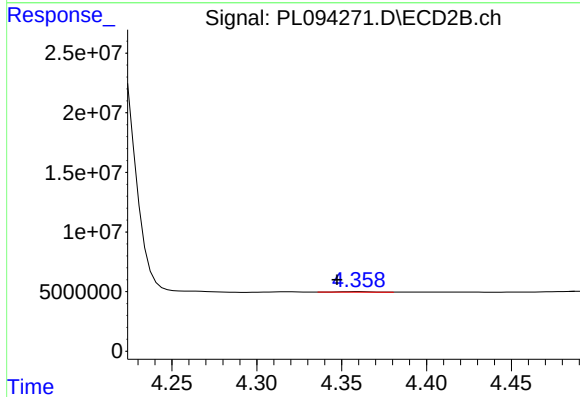
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184331019
Conc: 54.51 ng/ml



#24 Chlordane-2

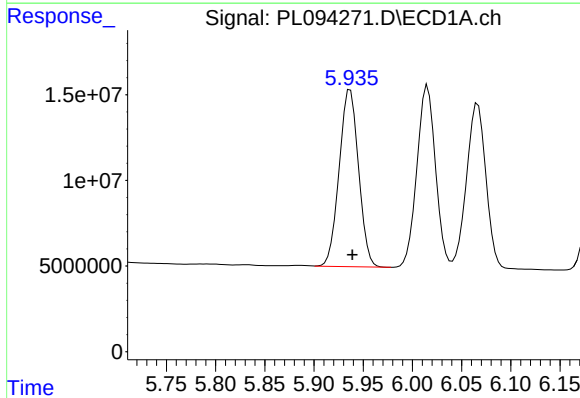
R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 165949100
Conc: 1417.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



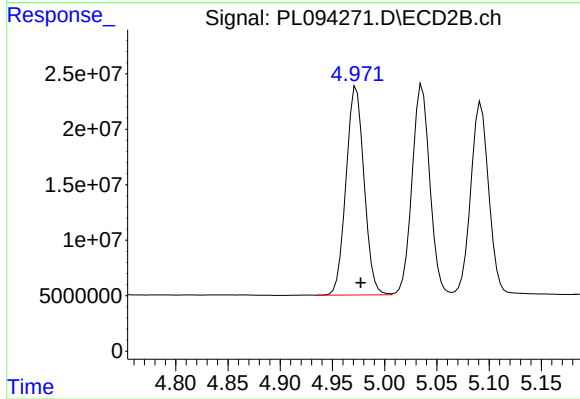
#24 Chlordane-2

R.T.: 4.360 min
Delta R.T.: 0.012 min
Response: 514023
Conc: 3.50 ng/ml



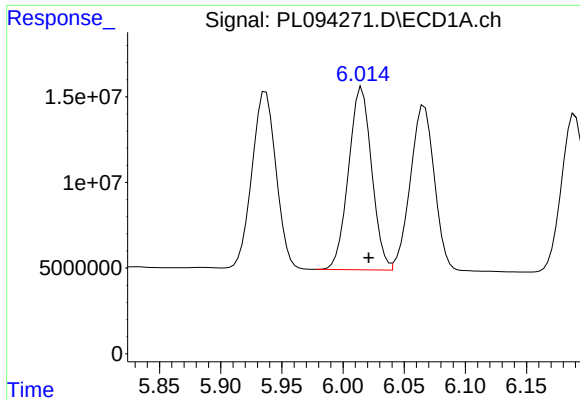
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 361.20 ng/ml



#25 Chlordane-3

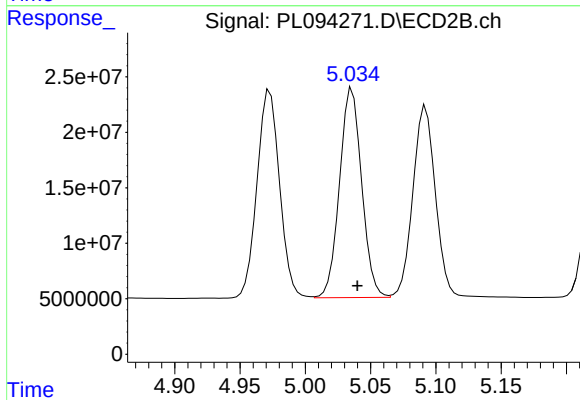
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 518.51 ng/ml



#26 Chlordane-4

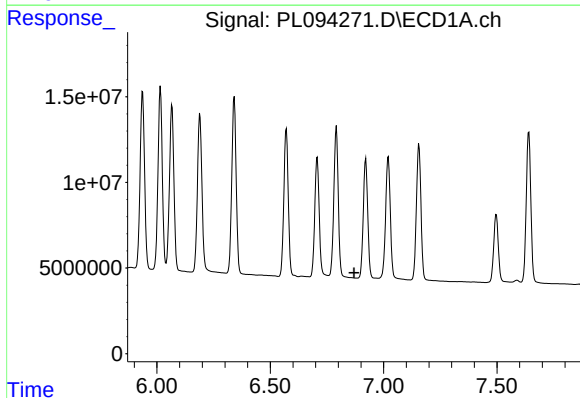
R.T.: 6.015 min
Delta R.T.: -0.005 min
Response: 140378806
Conc: 298.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



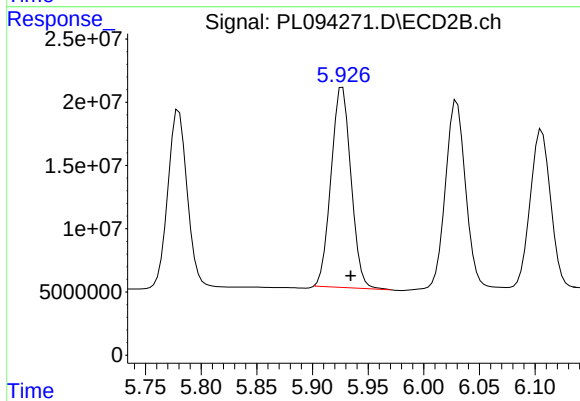
#26 Chlordane-4

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 222955415
Conc: 526.25 ng/ml



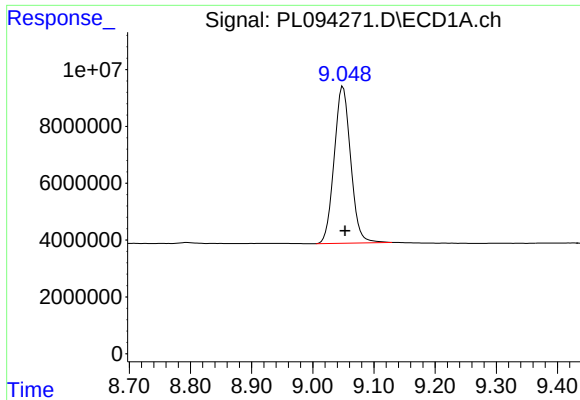
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

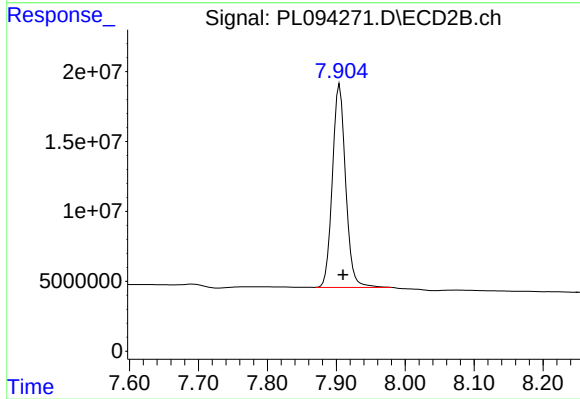
R.T.: 5.927 min
Delta R.T.: -0.008 min
Response: 197226932
Conc: 1287.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 103382611
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 193607995
Conc: 55.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094274.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:27
 Operator : AR\AJ
 Sample : Q1382-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-05-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:15:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	105.1E6	82901252	39.048	25.397 #
28)	SA Decachlor...	9.050	7.906	52983316	92232854	25.328	26.322
Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	462675	N.D.	0.095 #
3)	MA gamma-BHC...	0.000	3.593	0	28456	N.D.	0.006 #
4)	MA Heptachlor	0.000	3.965f	0	845351	N.D.	0.182 #
5)	MB Aldrin	0.000	4.222	0	501362	N.D.	0.110 #
6)	B beta-BHC	4.531	0.000	2086397	0	1.298	N.D. #
7)	B delta-BHC	4.759	4.117f	1382178	114919	0.394	0.024 #
8)	B Heptachlo...	0.000	4.723	0	23437	N.D.	0.006 #
10)	B gamma-Chl...	0.000	5.002f	0	1479036	N.D.	0.349 #
11)	B alpha-Chl...	0.000	5.060f	0	861871	N.D.	0.206 #
13)	MA Dieldrin	0.000	5.358	0	1491197	N.D.	0.347 #
15)	B Endosulfa...	0.000	5.927	0	3719897	N.D.	1.004 #
17)	MA 4,4'-DDT	0.000	6.028	0	2544062	N.D.	0.782 #
19)	B Endosulfa...	0.000	6.356f	0	199394	N.D.	0.056 #
21)	B Endrin ke...	7.661f	0.000	2987757	0	1.184	N.D. #
22)	Mirex	0.000	7.009	0	722119	N.D.	0.214 #
23)	Chlordane-1	0.000	3.754	0	947703	N.D.	7.594 #
24)	Chlordane-2	0.000	4.320f	0	952888	N.D.	6.495 #
25)	Chlordane-3	0.000	5.002f	0	1479036	N.D.	3.401 #
26)	Chlordane-4	0.000	5.060f	0	861871	N.D.	2.034 #
27)	Chlordane-5	0.000	5.927	0	3719897	N.D.	24.287 #

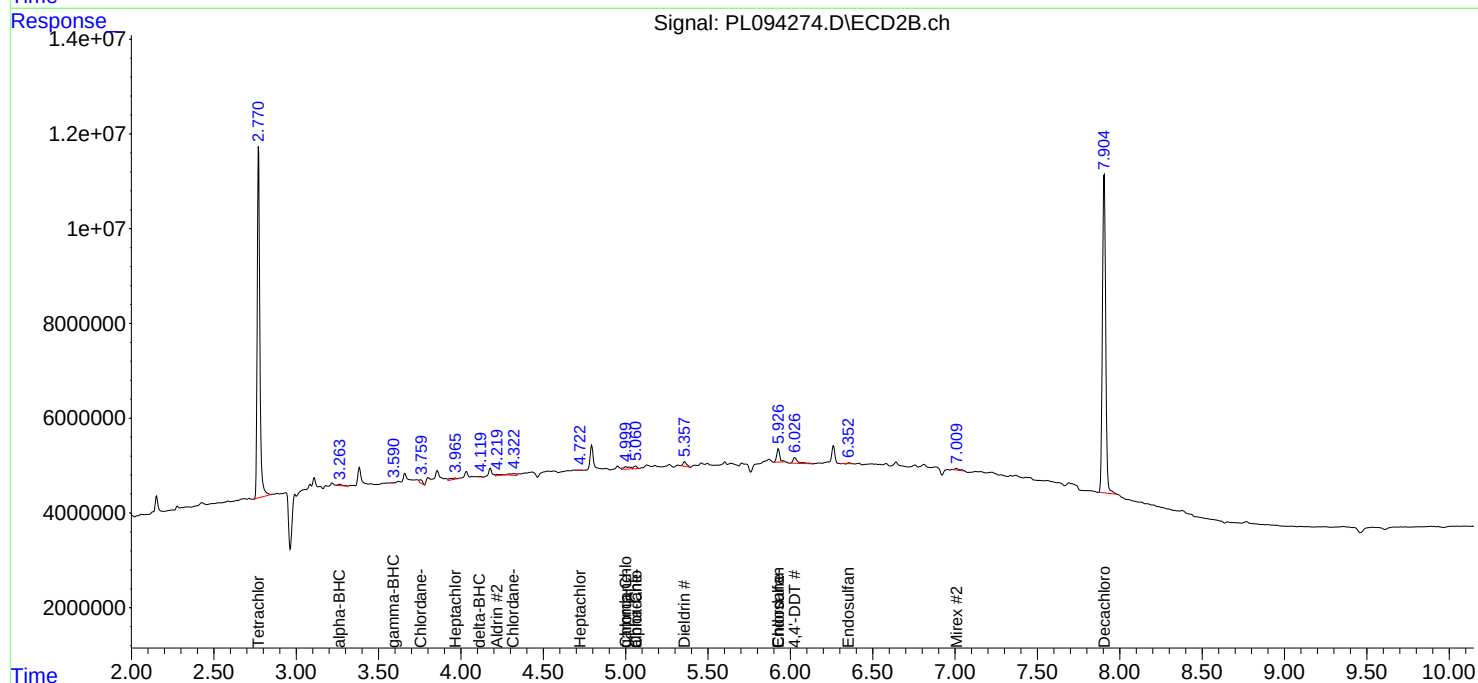
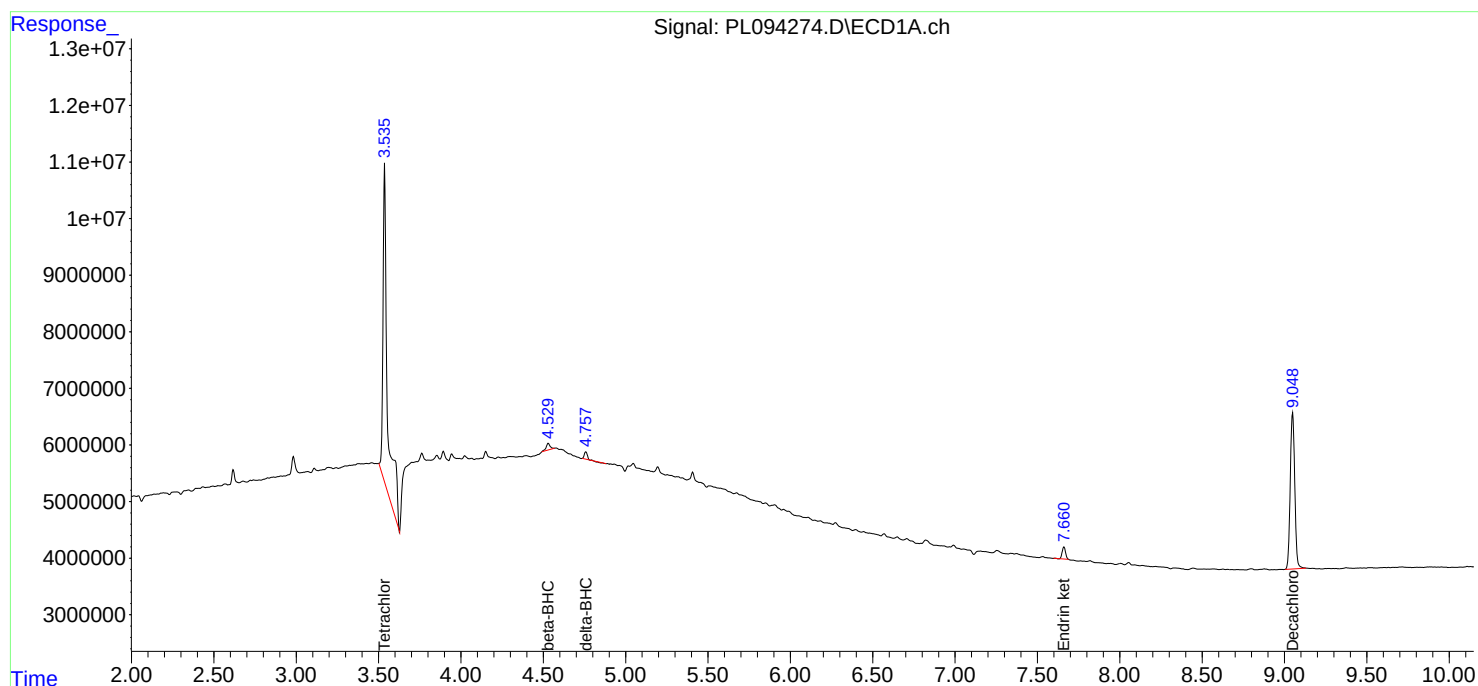
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

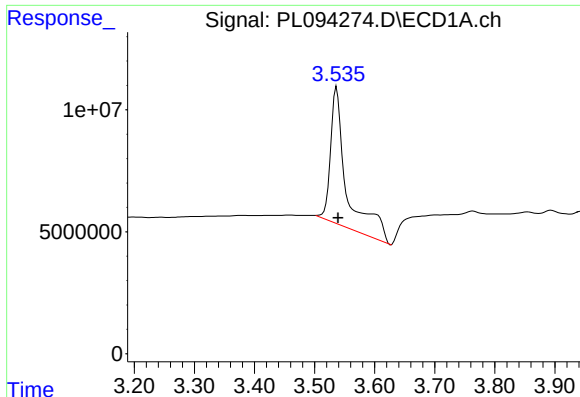
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094274.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:27
Operator : AR\AJ
Sample : Q1382-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:15:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

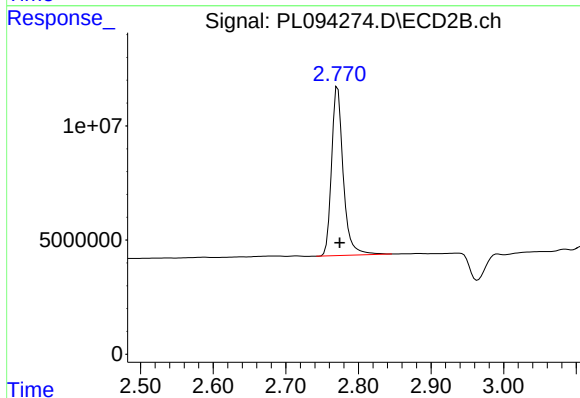




#1 Tetrachloro-m-xylene

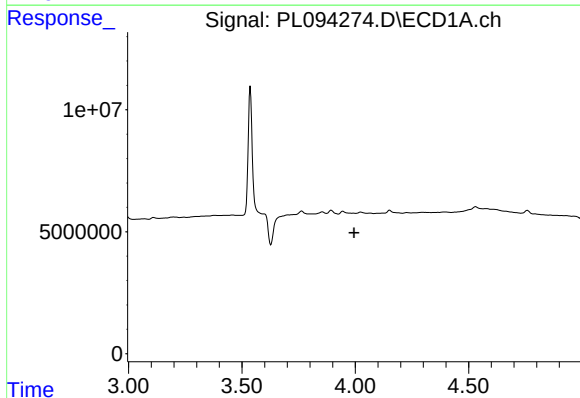
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 105145743
Conc: 39.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



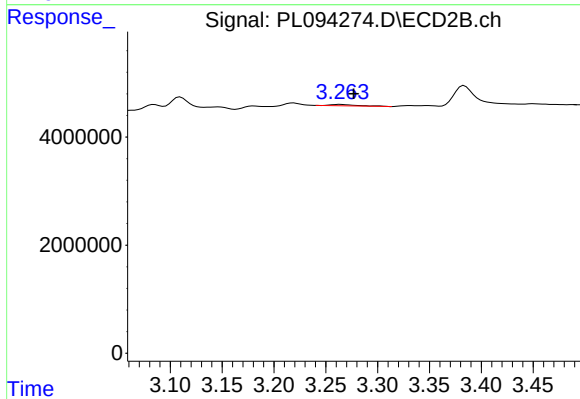
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82901252
Conc: 25.40 ng/ml



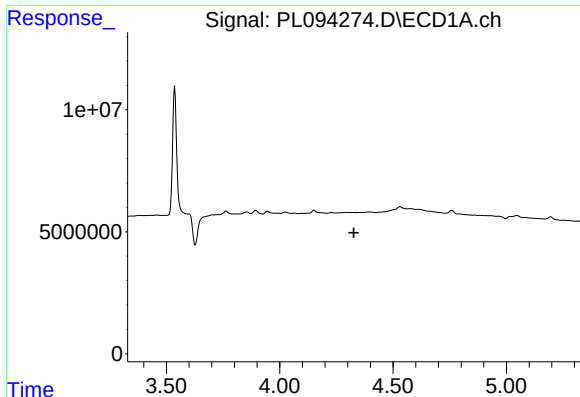
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

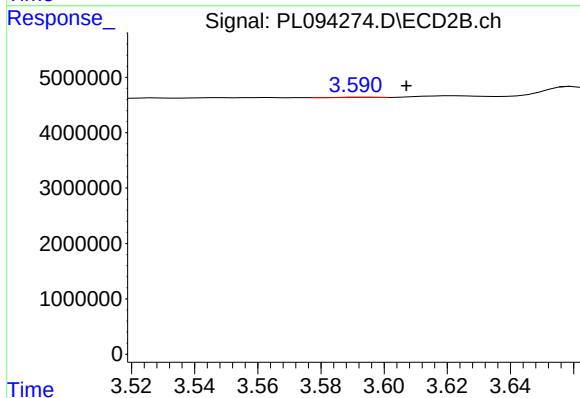
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 462675
Conc: 0.09 ng/ml



#3 gamma-BHC (Lindane)

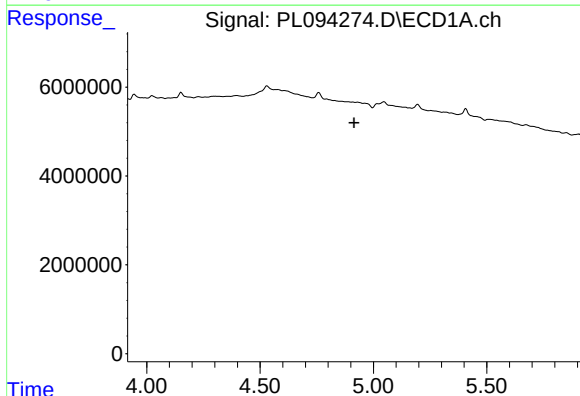
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



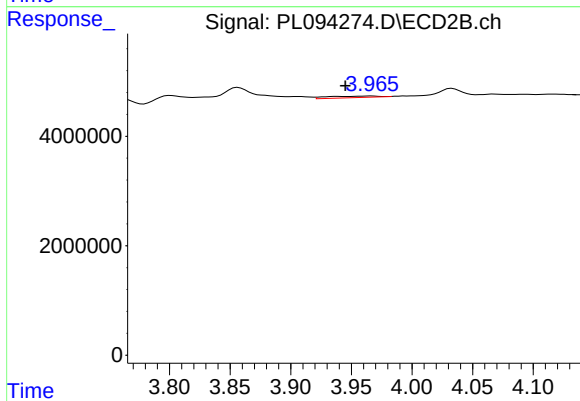
#3 gamma-BHC (Lindane)

R.T.: 3.593 min
Delta R.T.: -0.014 min
Response: 28456
Conc: 0.01 ng/ml



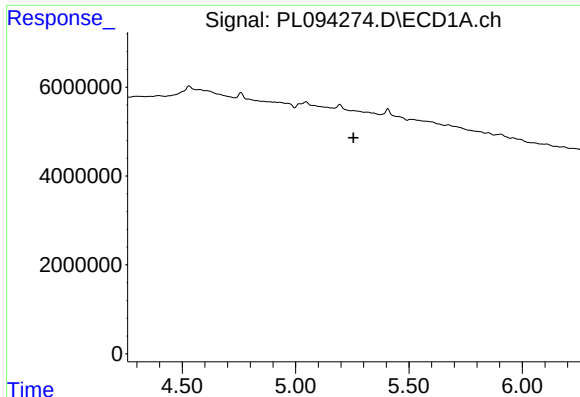
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

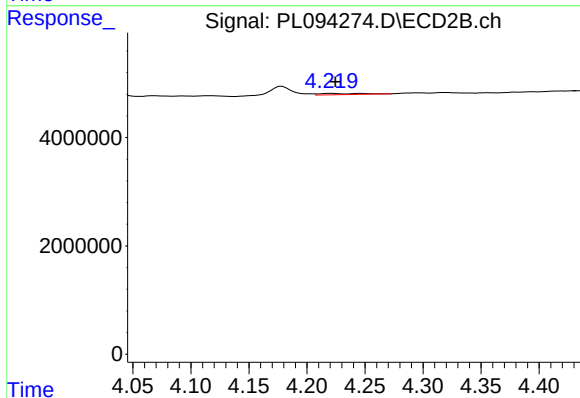
R.T.: 3.965 min
Delta R.T.: 0.020 min
Response: 845351
Conc: 0.18 ng/ml



#5 Aldrin

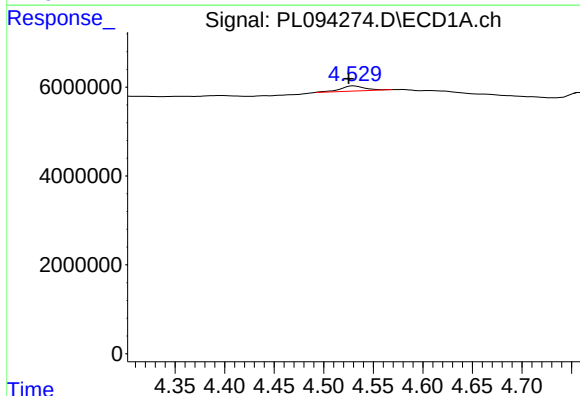
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



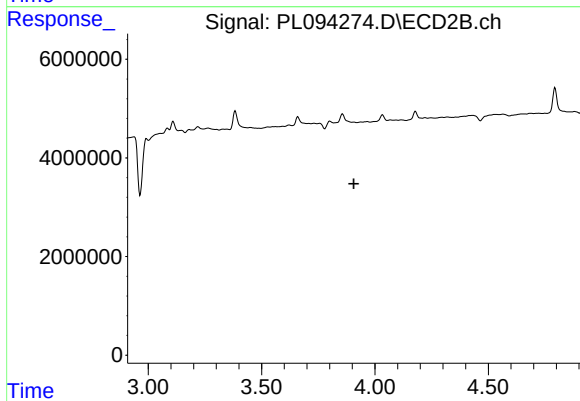
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: -0.003 min
Response: 501362
Conc: 0.11 ng/ml



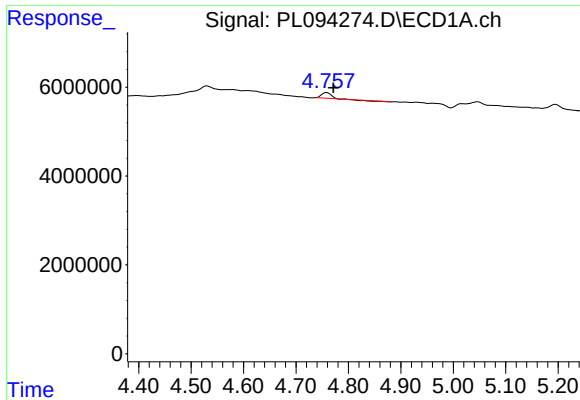
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.005 min
Response: 2086397
Conc: 1.30 ng/ml



#6 beta-BHC

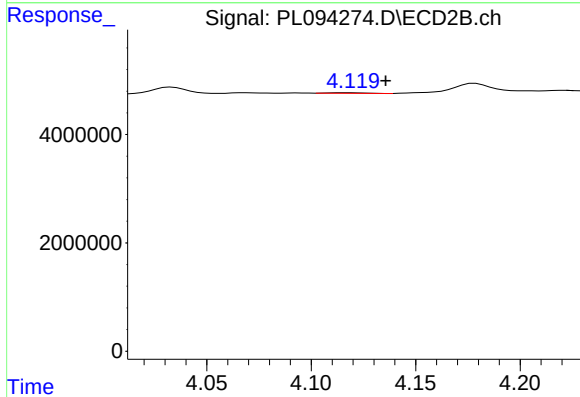
R.T.: 0.000 min
Exp R.T.: 3.907 min
Response: 0
Conc: N.D.



#7 delta-BHC

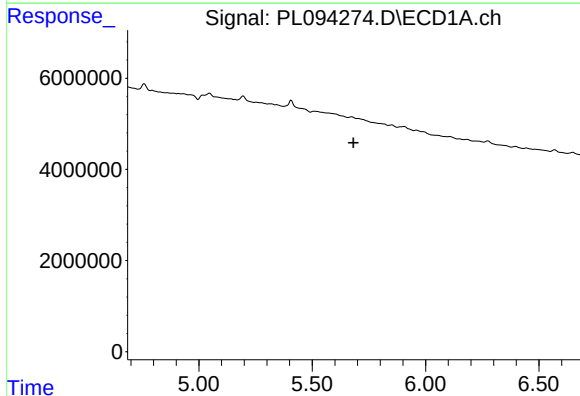
R.T.: 4.759 min
Delta R.T.: -0.013 min
Response: 1382178
Conc: 0.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



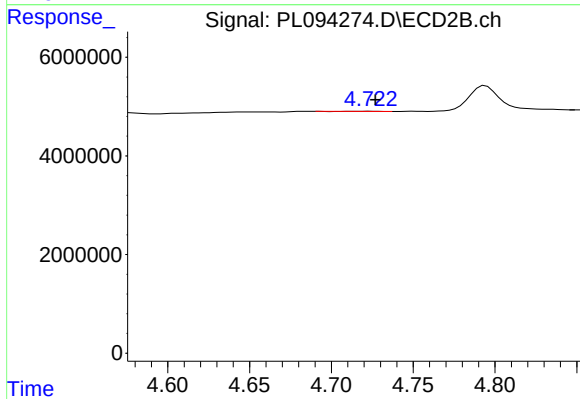
#7 delta-BHC

R.T.: 4.117 min
Delta R.T.: -0.019 min
Response: 114919
Conc: 0.02 ng/ml



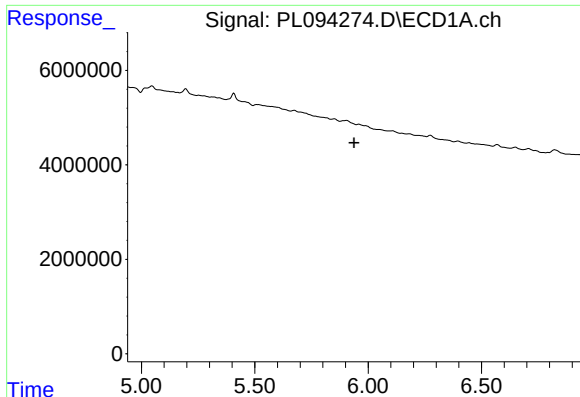
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 23437
Conc: 0.01 ng/ml



#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725

#10 gamma-Chlordane

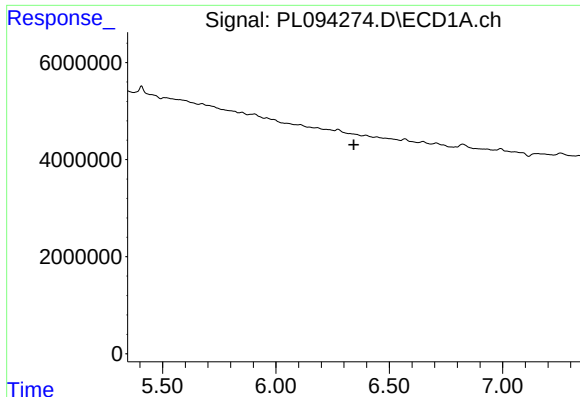
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 1479036
Conc: 0.35 ng/ml

#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.

#11 alpha-Chlordane

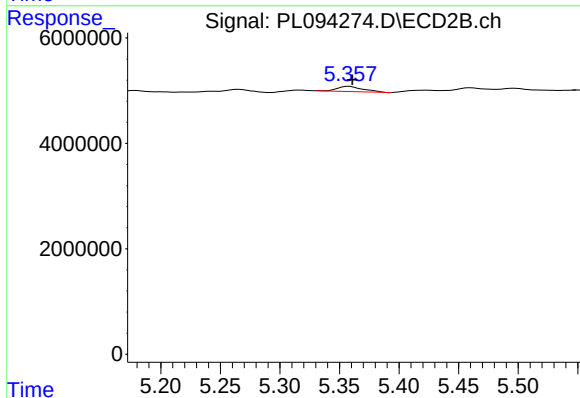
R.T.: 5.060 min
Delta R.T.: 0.020 min
Response: 861871
Conc: 0.21 ng/ml



#13 Dieldrin

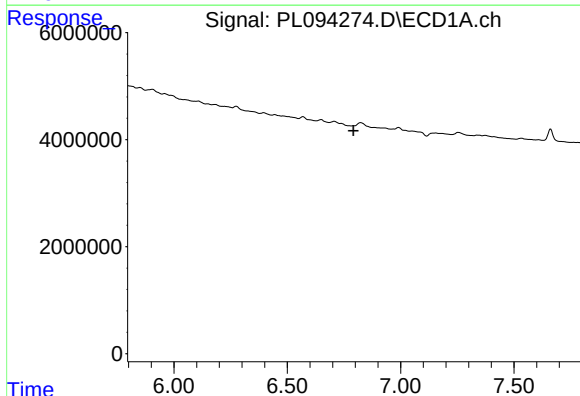
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



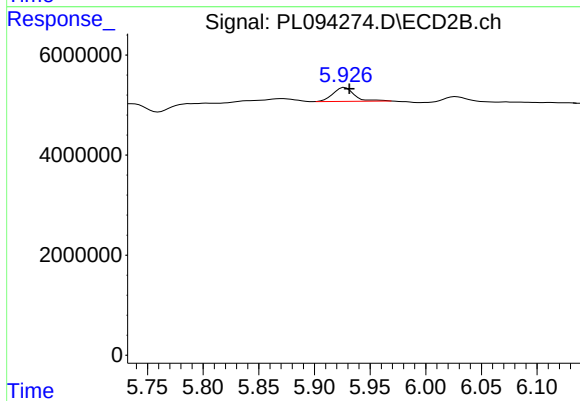
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 1491197
Conc: 0.35 ng/ml



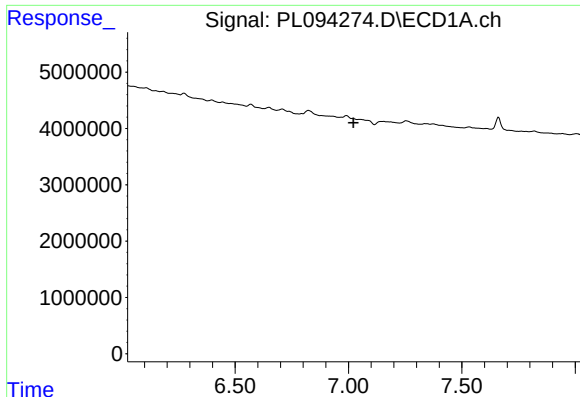
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

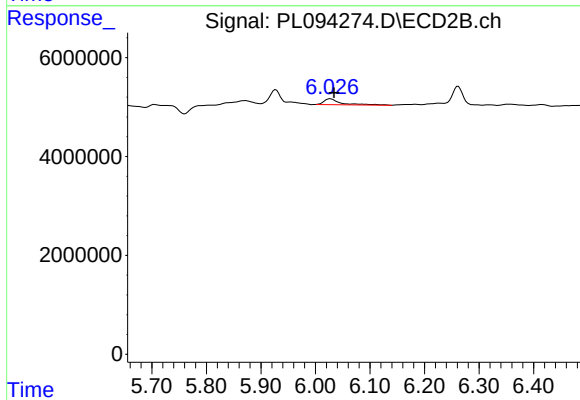
R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 3719897
Conc: 1.00 ng/ml



#17 4,4'-DDT

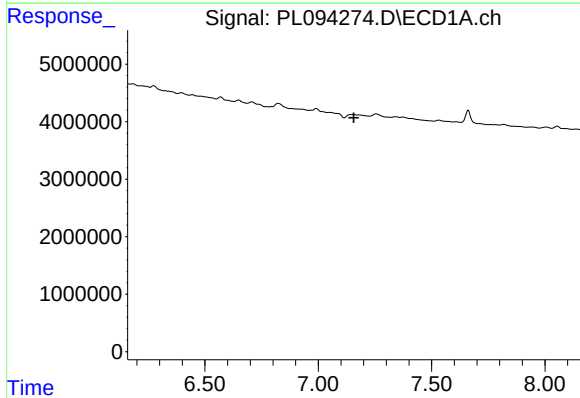
R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



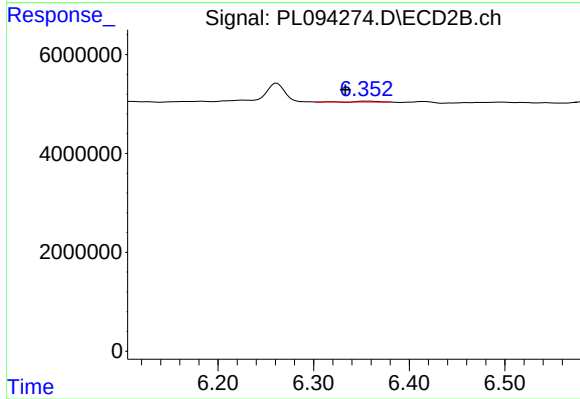
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.007 min
Response: 2544062
Conc: 0.78 ng/ml



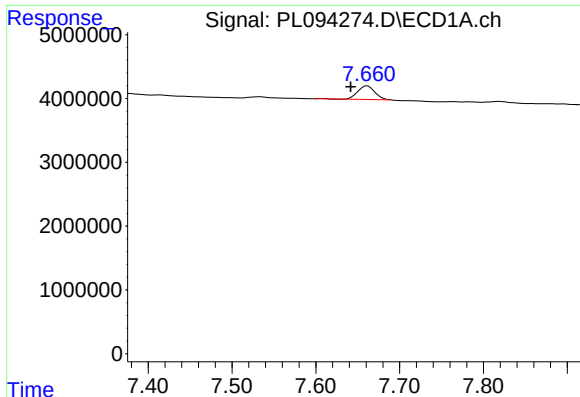
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

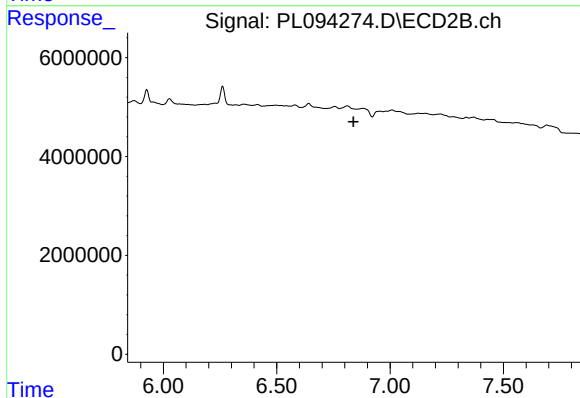
R.T.: 6.356 min
Delta R.T.: 0.023 min
Response: 199394
Conc: 0.06 ng/ml



#21 Endrin ketone

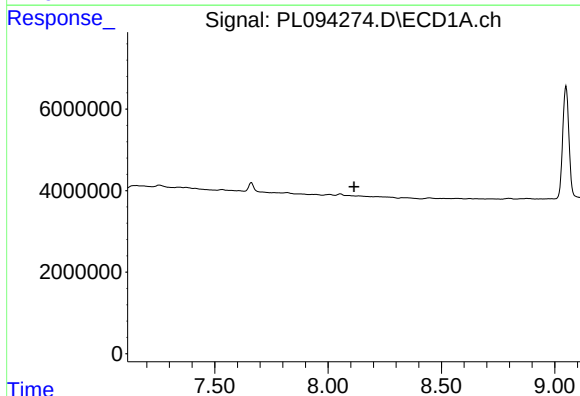
R.T.: 7.661 min
Delta R.T.: 0.020 min
Response: 2987757
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



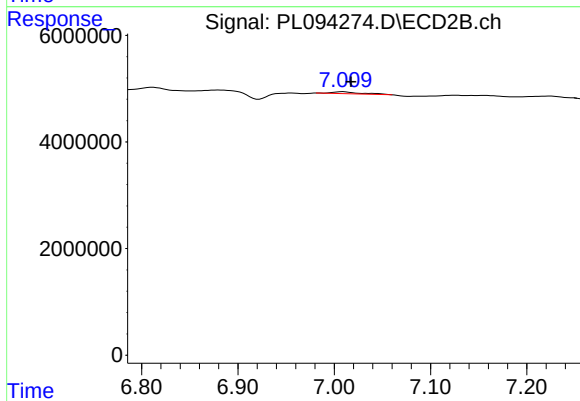
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.839 min
Response: 0
Conc: N.D.



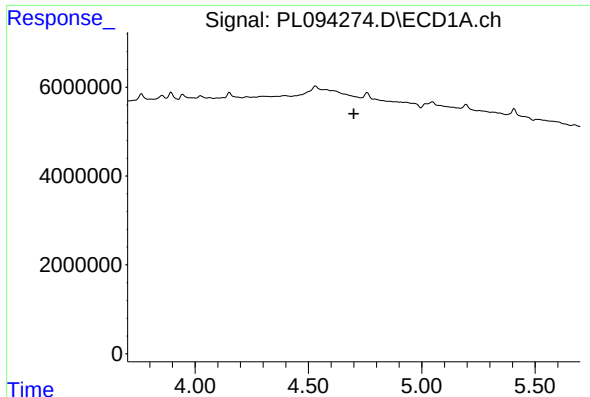
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

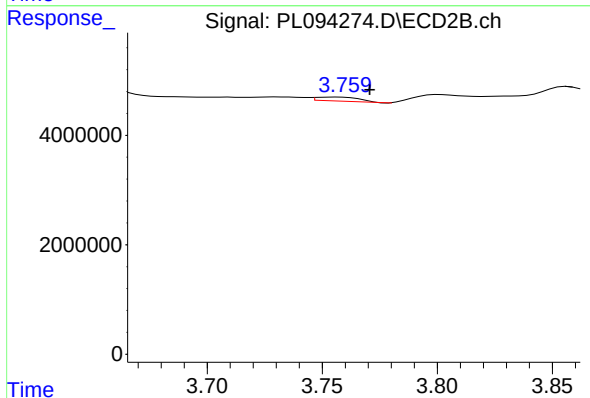
R.T.: 7.009 min
Delta R.T.: -0.009 min
Response: 722119
Conc: 0.21 ng/ml



#23 Chlordane-1

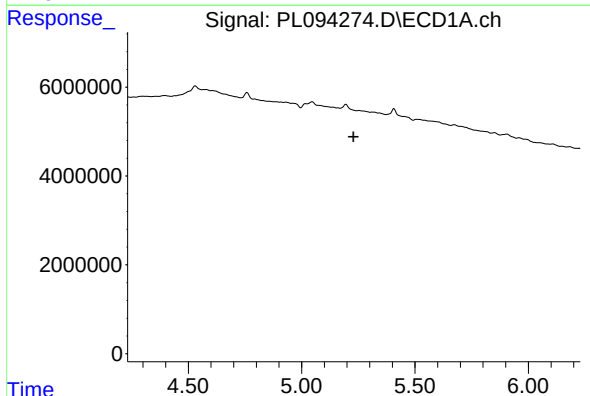
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



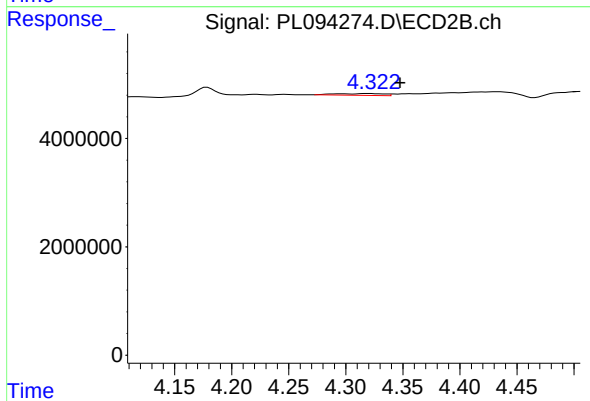
#23 Chlordane-1

R.T.: 3.754 min
Delta R.T.: -0.016 min
Response: 947703
Conc: 7.59 ng/ml



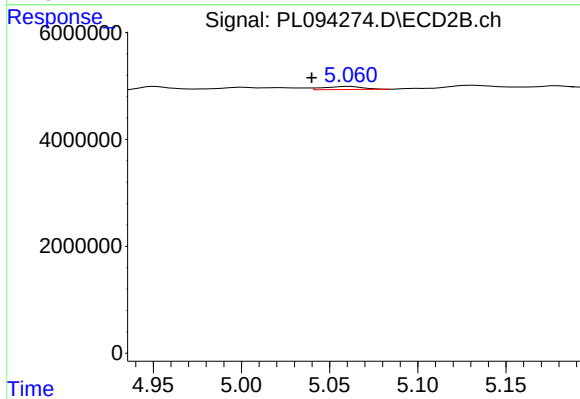
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

R.T.: 4.320 min
Delta R.T.: -0.027 min
Response: 952888
Conc: 6.49 ng/ml



Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725

```

      R.T.:      5.002 min
Delta R.T.:      0.025 min
  Response:    1479036
      Conc:      3.40 ng/ml

```

```

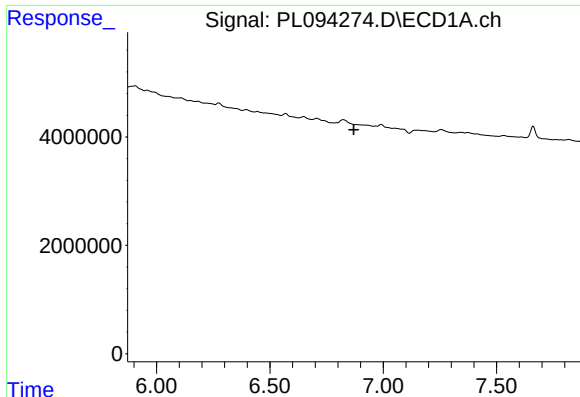
      R.T.:      0.000 min
Exp R.T.  :      6.021 min
Response:      0
Conc:      N.D.

```

```

      R.T.:    5.060 min
Delta R.T.:    0.021 min
  Response:    861871
      Conc:    2.03 ng/ml

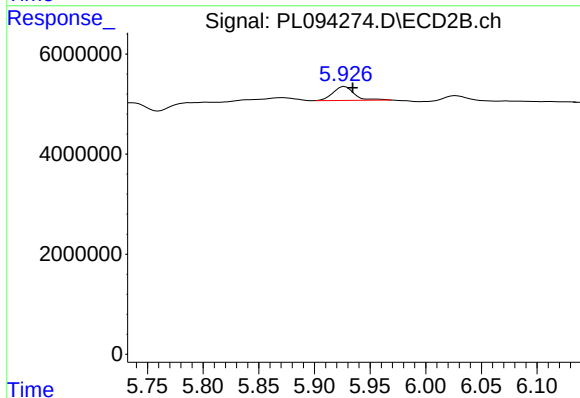
```



#27 Chlordane-5

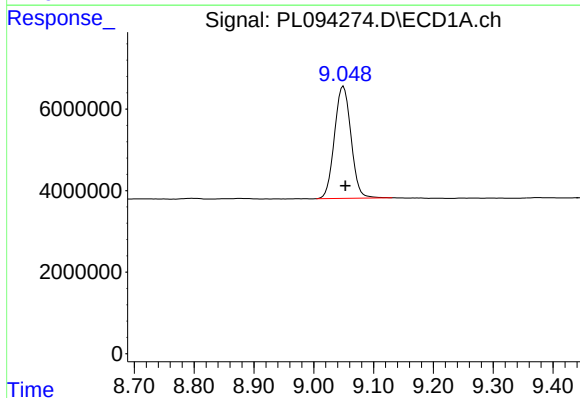
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-05-021725



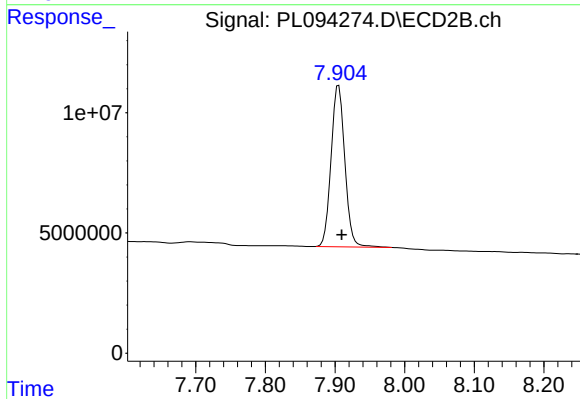
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 3719897
Conc: 24.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 52983316
Conc: 25.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 92232854
Conc: 26.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094275.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:41
 Operator : AR\AJ
 Sample : Q1382-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-06-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 21 15:43:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	104.6E6	80686827	38.852	24.719 #
28)	SA Decachlor...	9.050	7.905	48897438	85457980	23.374	24.388
Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	395824	N.D.	0.081 #
3)	MA gamma-BHC...	0.000	3.621	0	33521	N.D.	0.007 #
4)	MA Heptachlor	0.000	3.948	0	221343	N.D.	0.048 #
5)	MB Aldrin	0.000	4.239	0	856619	N.D.	0.188 #
6)	B beta-BHC	4.530	3.905	1439040	344501	0.895	0.172 #
7)	B delta-BHC	0.000	4.126	0	185260	N.D.	0.039 #
8)	B Heptachlo...	5.674	4.720	5194489	60839	1.747	0.015 #
10)	B gamma-Chl...	5.959f	5.002f	1363359	3984602	0.489	0.940 #
11)	B alpha-Chl...	0.000	5.055	0	829714	N.D.	0.198 #
12)	B 4,4'-DDE	6.186	0.000	3182122	0	1.307	N.D. #
13)	MA Dieldrin	0.000	5.359	0	10135033	N.D.	2.359 #
14)	MA Endrin	6.570	5.638	5567246	-4004846	2.374	N.D. #
15)	B Endosulfa...	0.000	5.916f	0	3469930	N.D.	0.937 #
16)	A 4,4'-DDD	6.716	5.792	539240	-288865	0.284	N.D. #
17)	MA 4,4'-DDT	6.993f	6.025	6933015	11450010	3.516	3.519
18)	B Endrin al...	0.000	6.121	0	497017	N.D.	0.163 #
19)	B Endosulfa...	0.000	6.322	0	673145	N.D.	0.189 #
20)	A Methoxychlor	0.000	6.638f	0	531540	N.D.	0.297 #
21)	B Endrin ke...	7.661f	6.812f	2107285	397624	0.835	0.095 #
22)	Mirex	0.000	7.000f	0	1114258	N.D.	0.329 #
23)	Chlordane-1	0.000	3.761	0	522502	N.D.	4.187 #
24)	Chlordane-2	0.000	4.347	0	1166625	N.D.	7.951 #
25)	Chlordane-3	5.959f	4.952f	1363359	7933275	3.476	18.245 #
26)	Chlordane-4	0.000	5.055	0	829714	N.D.	1.958 #
27)	Chlordane-5	0.000	5.916f	0	3469930	N.D.	22.655 #

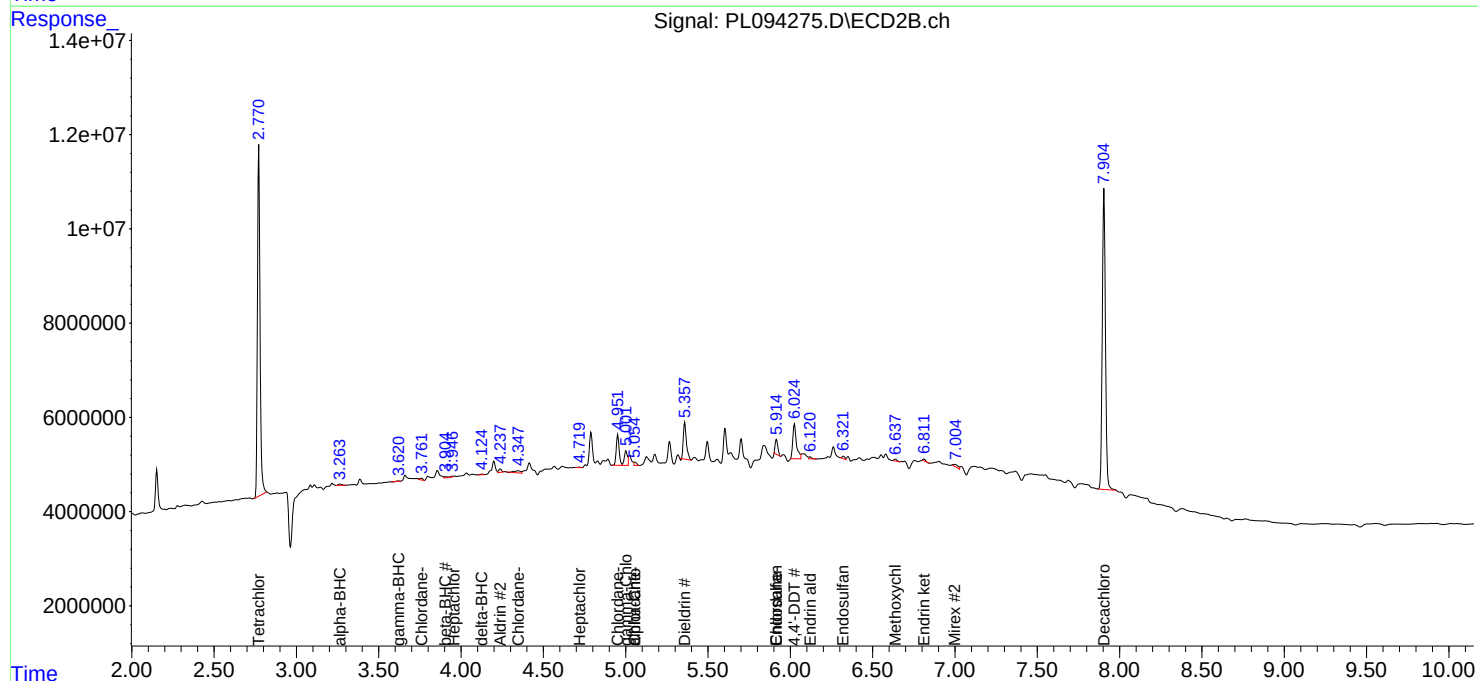
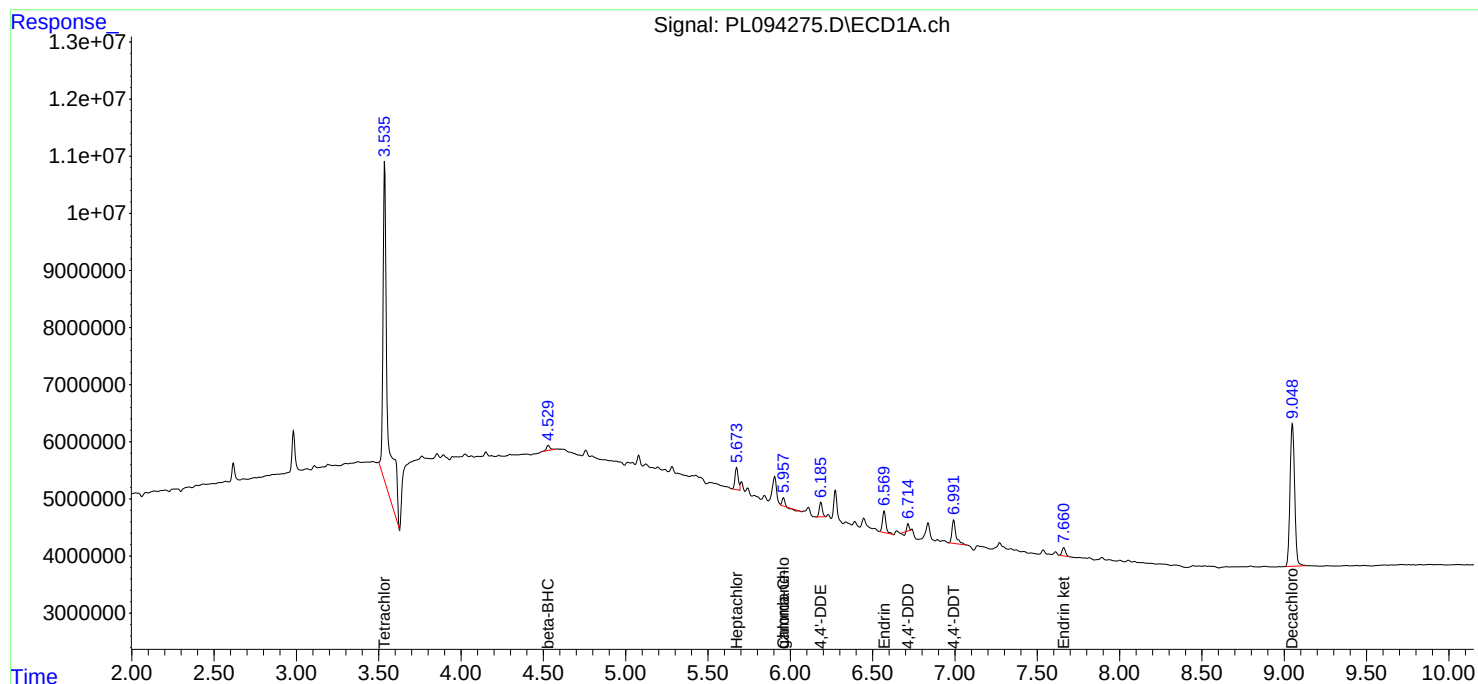
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

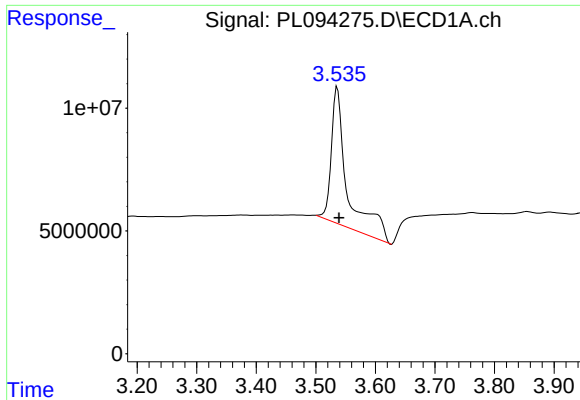
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094275.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:41
Operator : AR\AJ
Sample : Q1382-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 15:43:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

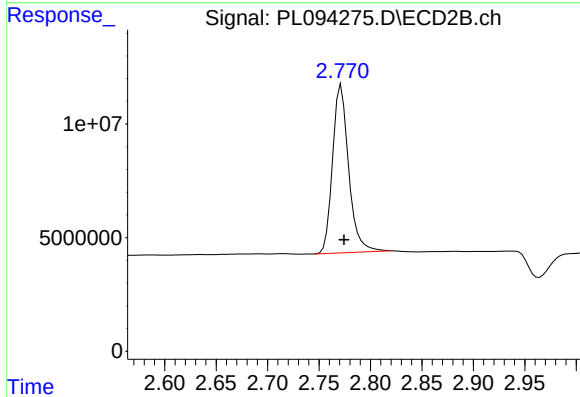




#1 Tetrachloro-m-xylene

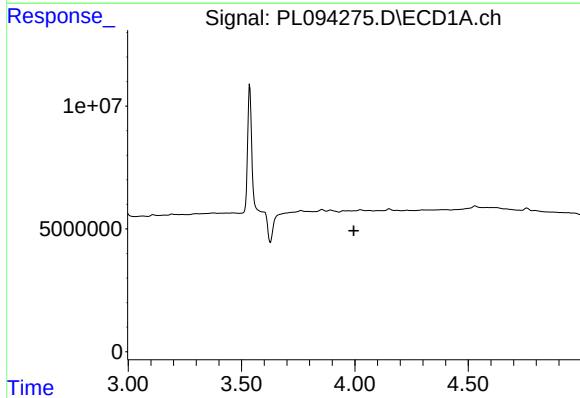
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 104618479
Conc: 38.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



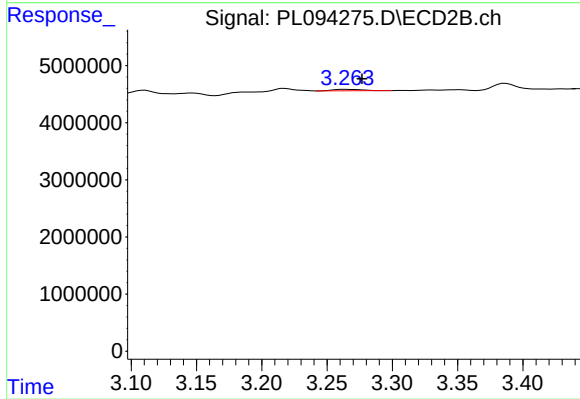
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 80686827
Conc: 24.72 ng/ml



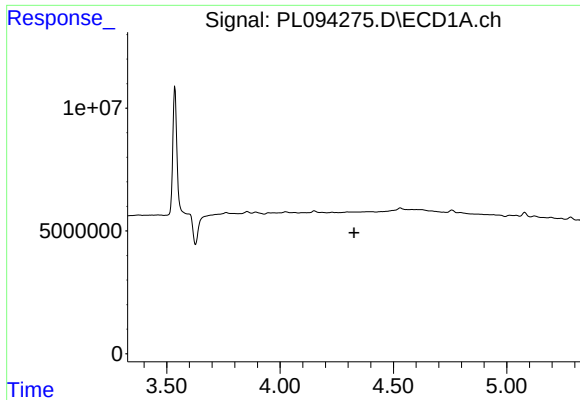
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

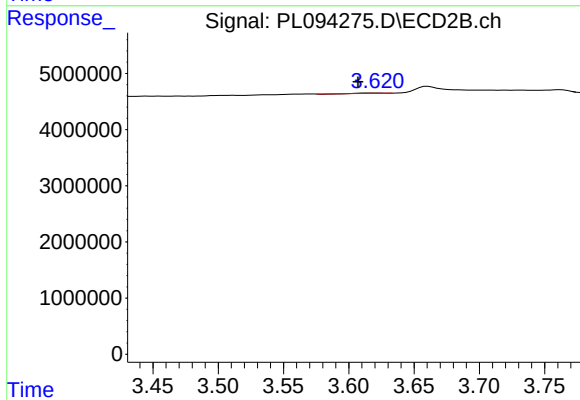
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 395824
Conc: 0.08 ng/ml



#3 gamma-BHC (Lindane)

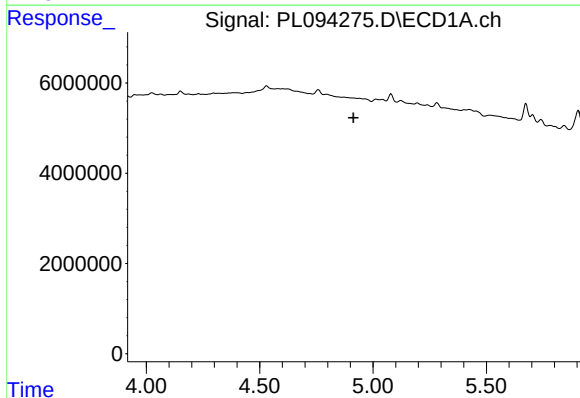
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



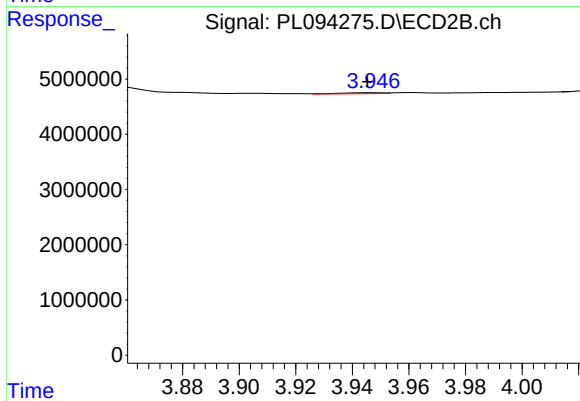
#3 gamma-BHC (Lindane)

R.T.: 3.621 min
Delta R.T.: 0.014 min
Response: 33521
Conc: 0.01 ng/ml



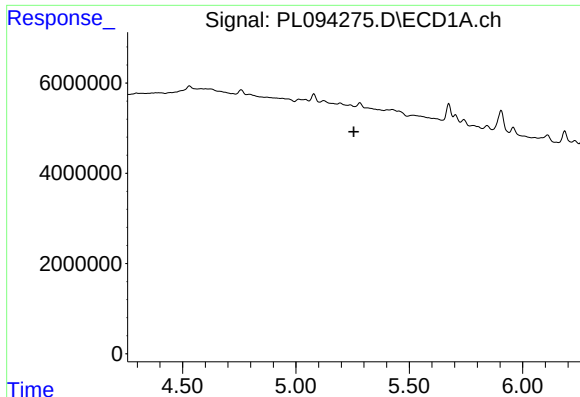
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

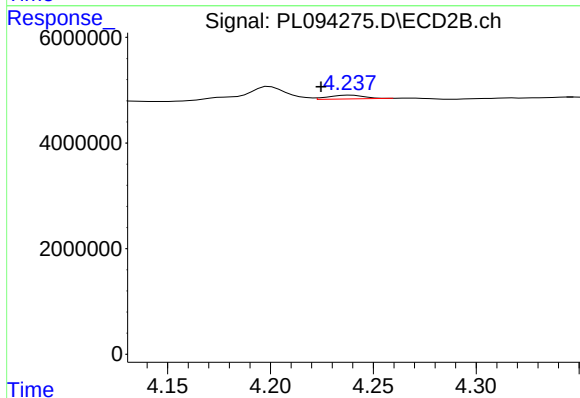
R.T.: 3.948 min
Delta R.T.: 0.002 min
Response: 221343
Conc: 0.05 ng/ml



#5 Aldrin

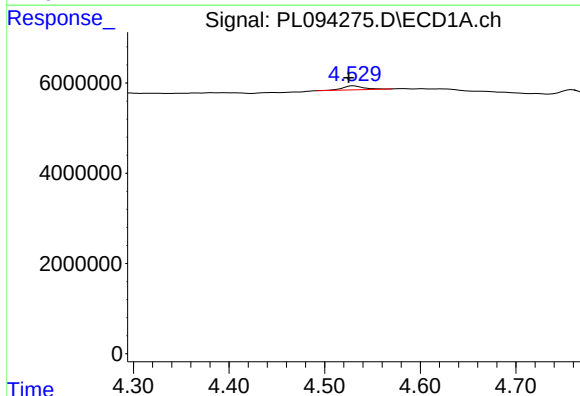
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



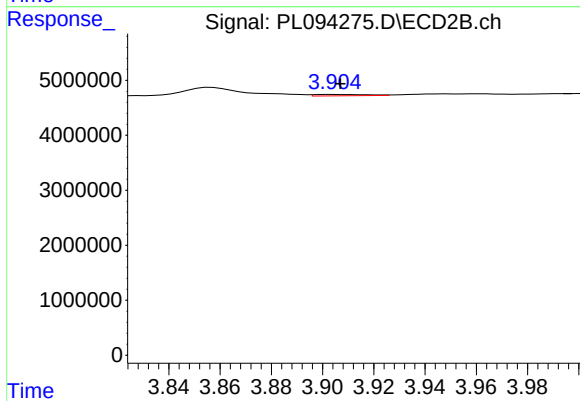
#5 Aldrin

R.T.: 4.239 min
Delta R.T.: 0.014 min
Response: 856619
Conc: 0.19 ng/ml



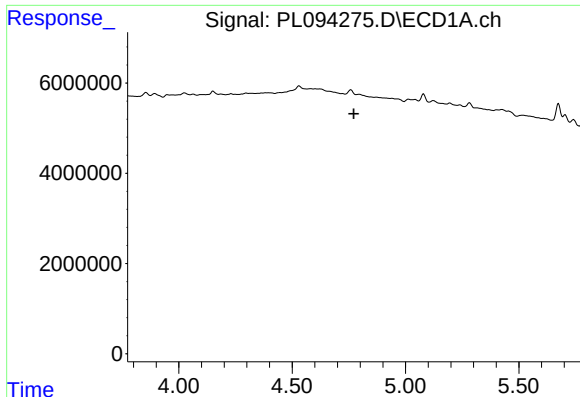
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.005 min
Response: 1439040
Conc: 0.90 ng/ml



#6 beta-BHC

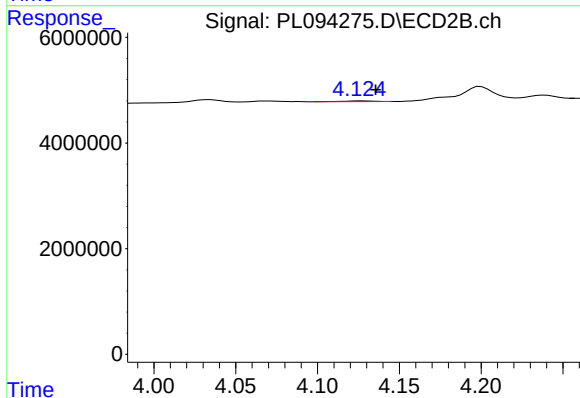
R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 344501
Conc: 0.17 ng/ml



#7 delta-BHC

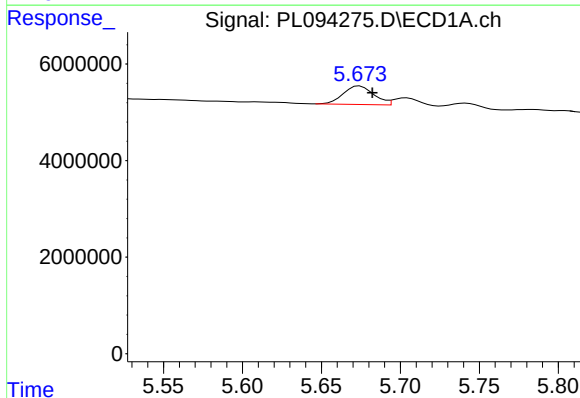
R.T.: 0.000 min
Exp R.T.: 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



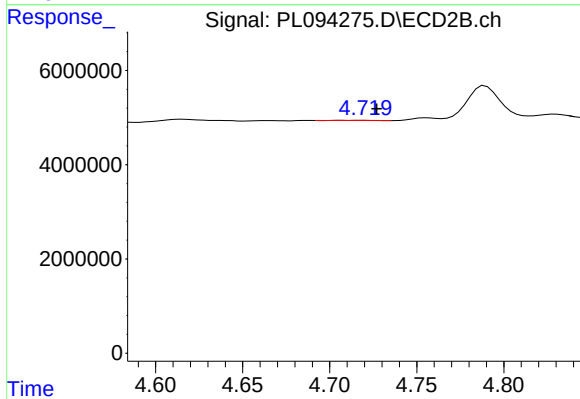
#7 delta-BHC

R.T.: 4.126 min
Delta R.T.: -0.010 min
Response: 185260
Conc: 0.04 ng/ml



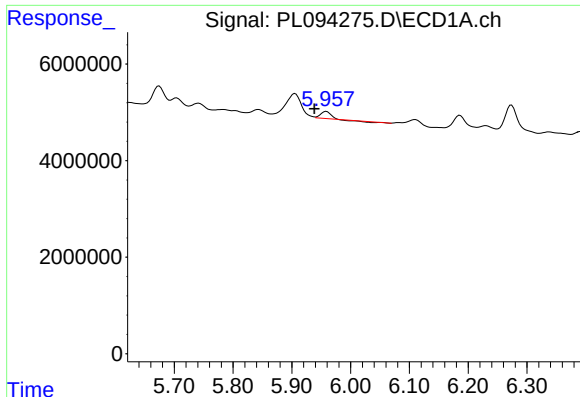
#8 Heptachlor epoxide

R.T.: 5.674 min
Delta R.T.: -0.008 min
Response: 5194489
Conc: 1.75 ng/ml



#8 Heptachlor epoxide

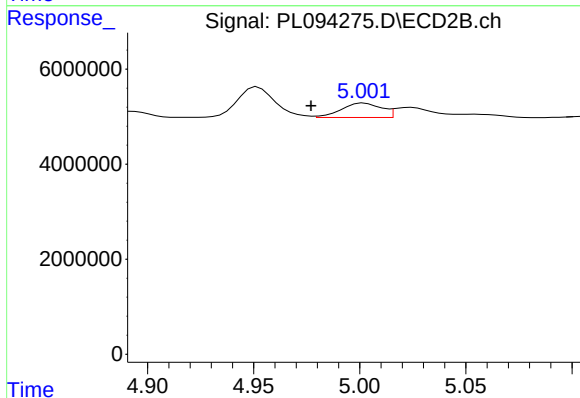
R.T.: 4.720 min
Delta R.T.: -0.007 min
Response: 60839
Conc: 0.01 ng/ml



#10 gamma-Chlordane

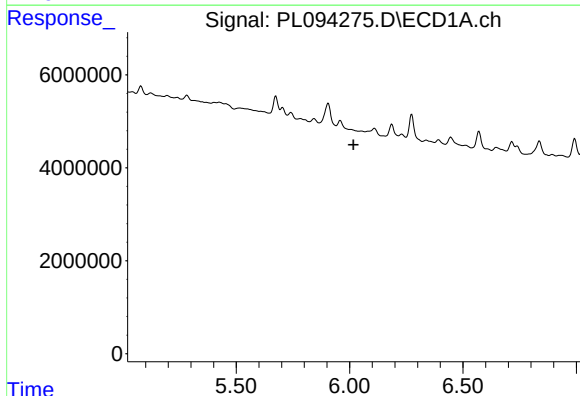
R.T.: 5.959 min
Delta R.T.: 0.020 min
Response: 1363359
Conc: 0.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



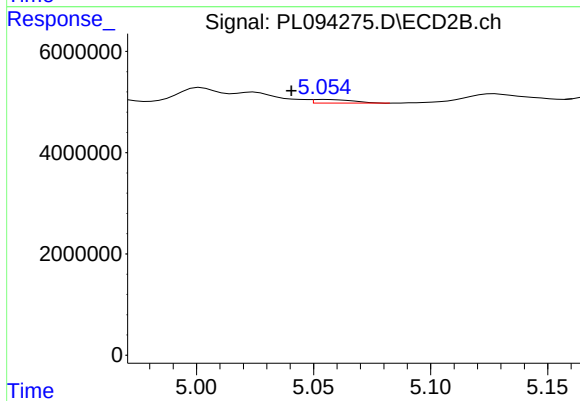
#10 gamma-Chlordane

R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 3984602
Conc: 0.94 ng/ml



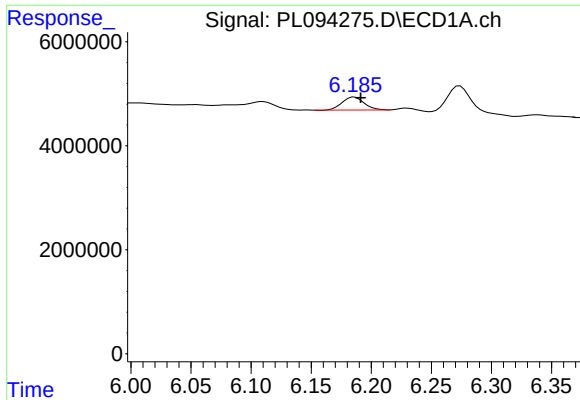
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

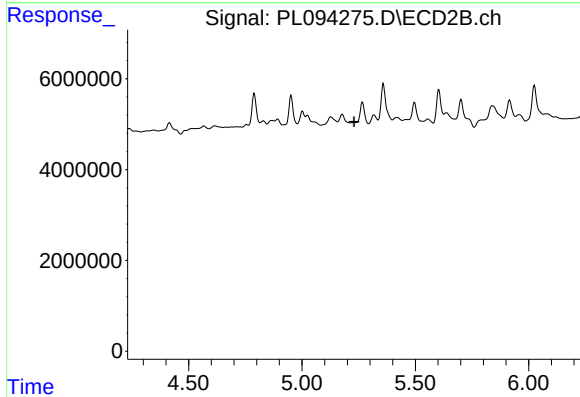
R.T.: 5.055 min
Delta R.T.: 0.015 min
Response: 829714
Conc: 0.20 ng/ml



#12 4,4'-DDE

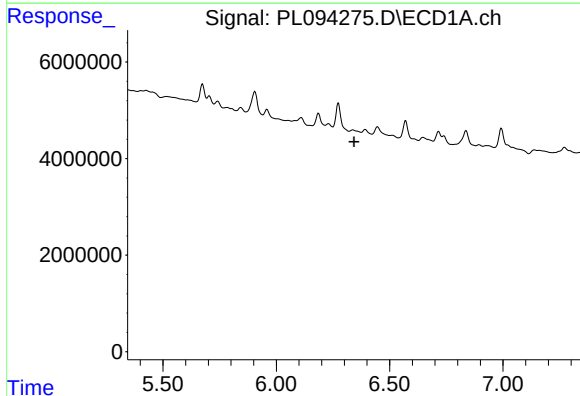
R.T.: 6.186 min
Delta R.T.: -0.005 min
Response: 3182122
Conc: 1.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



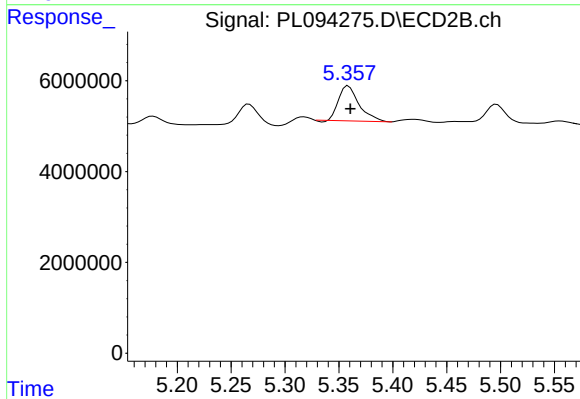
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 5.230 min
Response: 0
Conc: N.D.



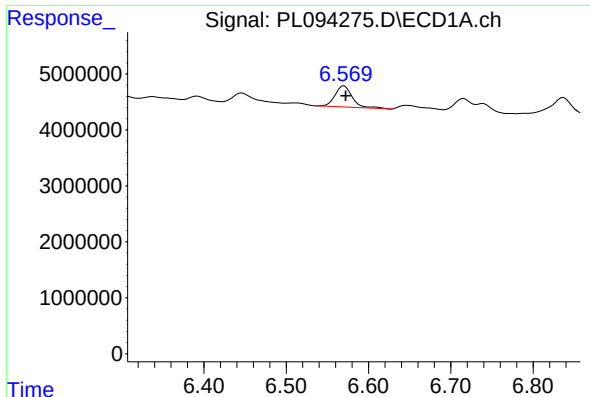
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

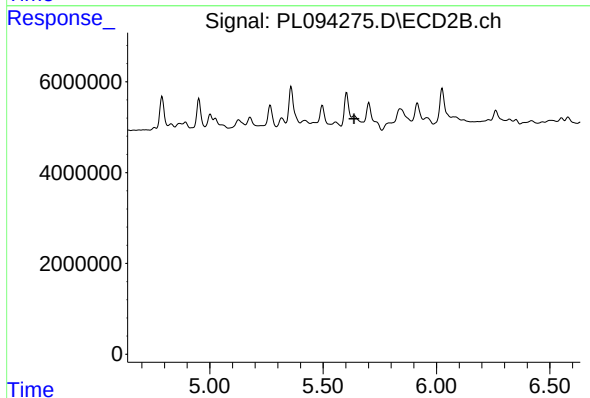
R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 10135033
Conc: 2.36 ng/ml



#14 Endrin

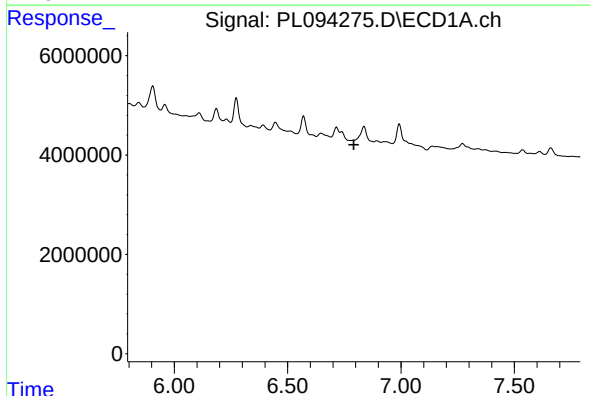
R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 5567246
Conc: 2.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



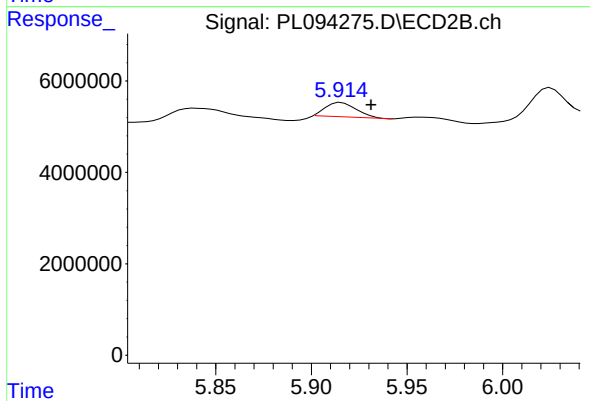
#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: -4004846
Conc: N.D.



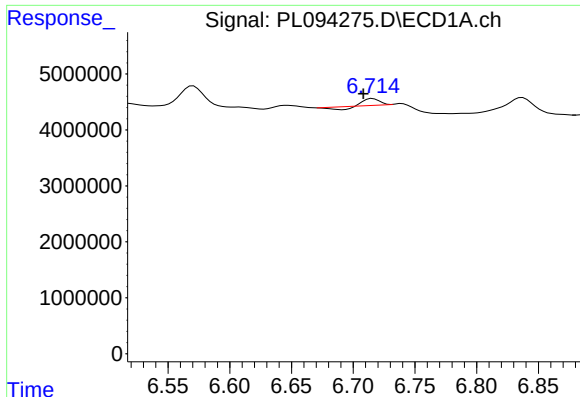
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

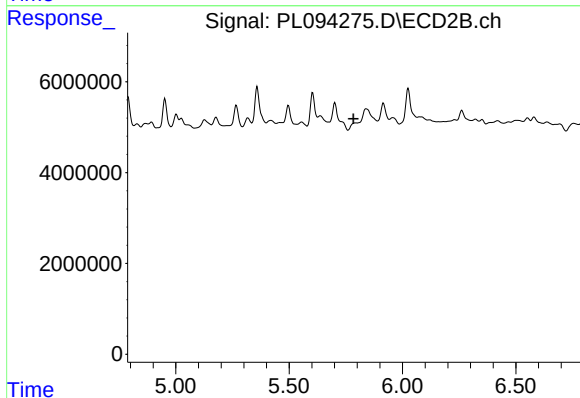
R.T.: 5.916 min
Delta R.T.: -0.016 min
Response: 3469930
Conc: 0.94 ng/ml



#16 4,4'-DDD

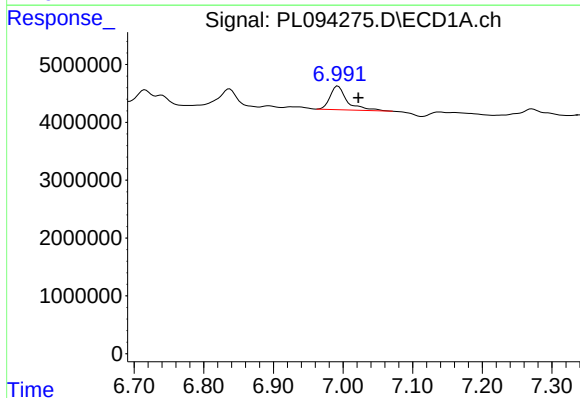
R.T.: 6.716 min
Delta R.T.: 0.008 min
Response: 539240
Conc: 0.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



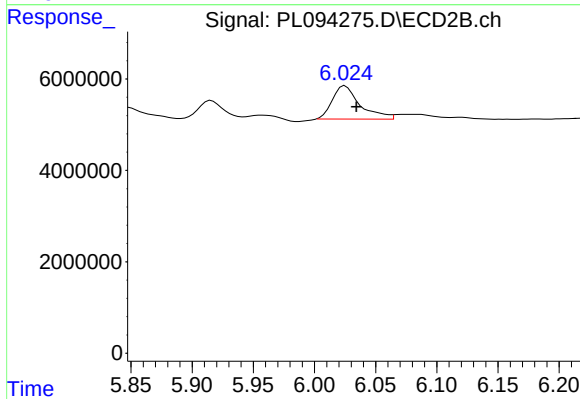
#16 4,4'-DDD

R.T.: 5.792 min
Delta R.T.: 0.008 min
Response: -288865
Conc: N.D.



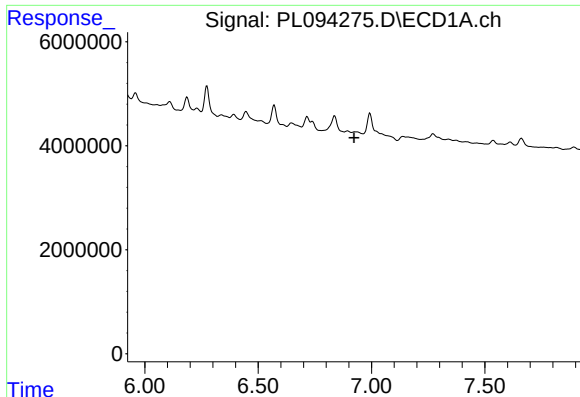
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: -0.029 min
Response: 6933015
Conc: 3.52 ng/ml



#17 4,4'-DDT

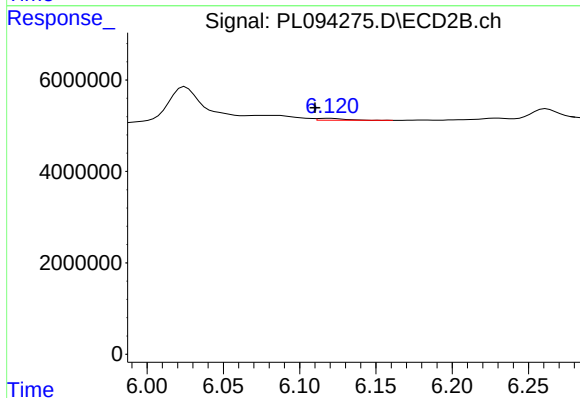
R.T.: 6.025 min
Delta R.T.: -0.009 min
Response: 11450010
Conc: 3.52 ng/ml



#18 Endrin aldehyde

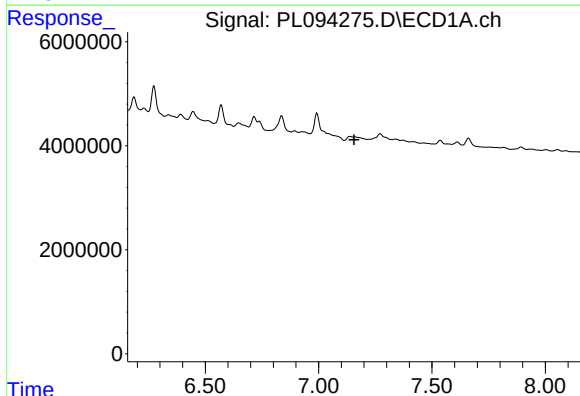
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



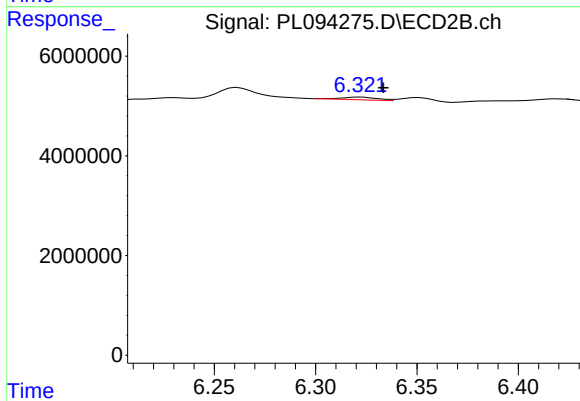
#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.011 min
Response: 497017
Conc: 0.16 ng/ml



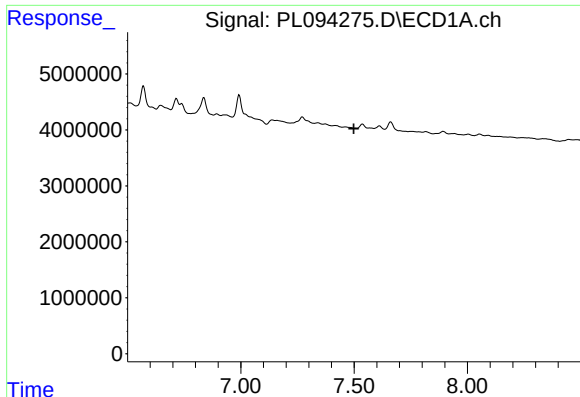
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

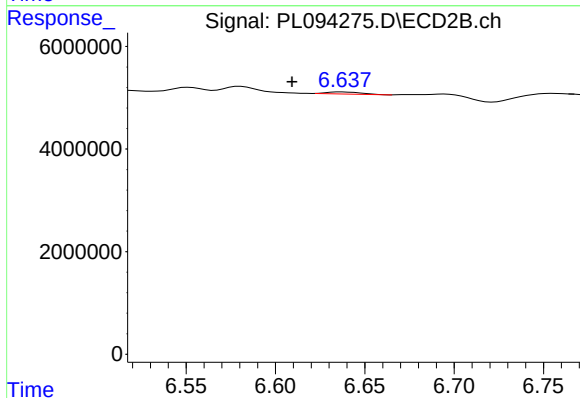
R.T.: 6.322 min
Delta R.T.: -0.011 min
Response: 673145
Conc: 0.19 ng/ml



#20 Methoxychlor

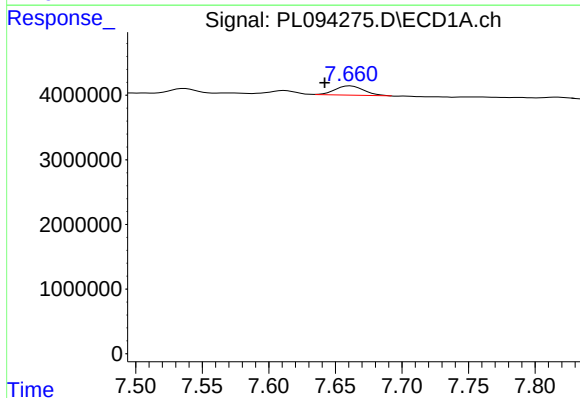
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



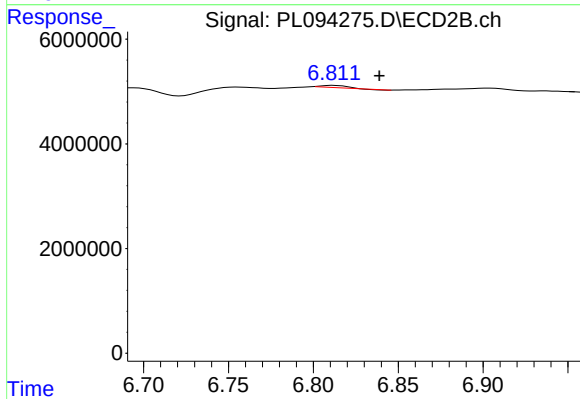
#20 Methoxychlor

R.T.: 6.638 min
Delta R.T.: 0.028 min
Response: 531540
Conc: 0.30 ng/ml



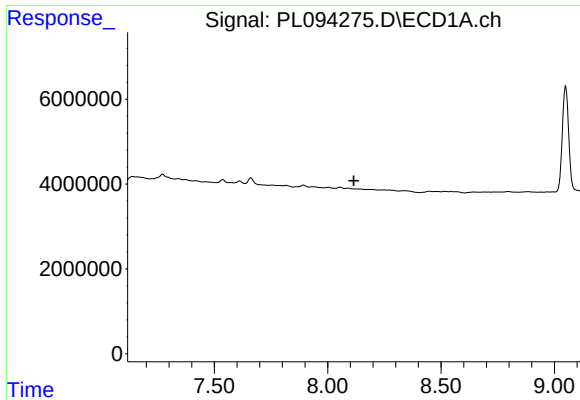
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: 0.019 min
Response: 2107285
Conc: 0.84 ng/ml



#21 Endrin ketone

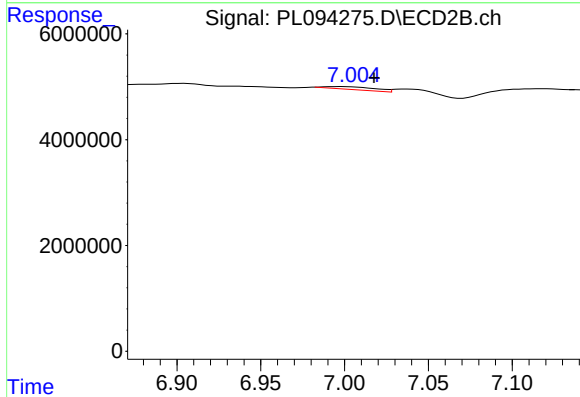
R.T.: 6.812 min
Delta R.T.: -0.027 min
Response: 397624
Conc: 0.09 ng/ml



#22 Mirex

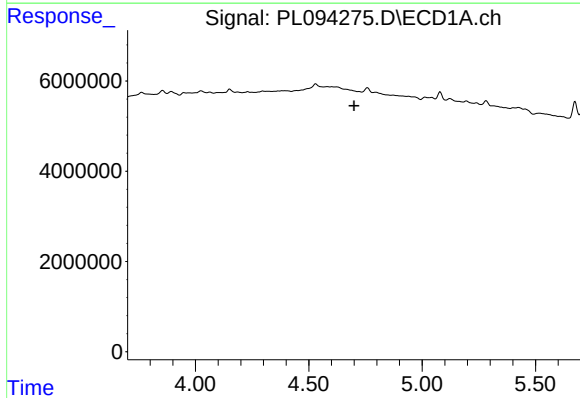
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



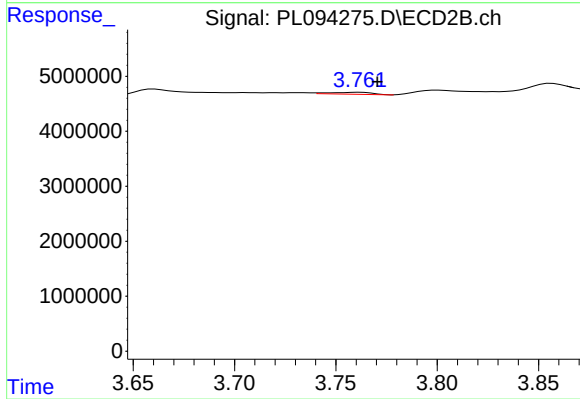
#22 Mirex

R.T.: 7.000 min
Delta R.T.: -0.018 min
Response: 1114258
Conc: 0.33 ng/ml



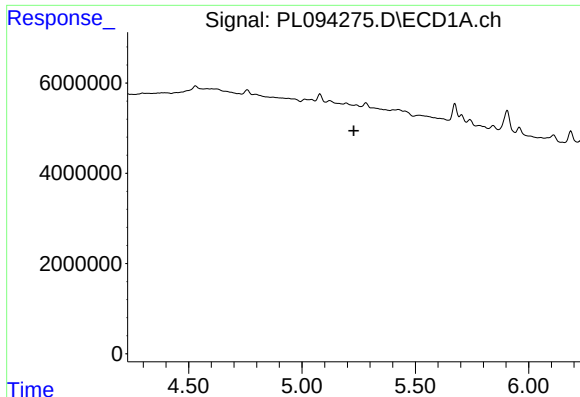
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

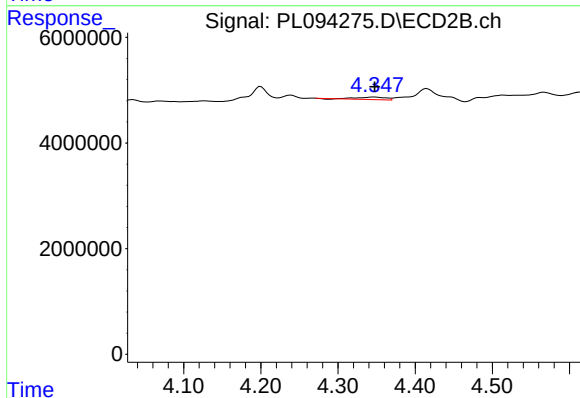
R.T.: 3.761 min
Delta R.T.: -0.010 min
Response: 522502
Conc: 4.19 ng/ml



#24 Chlordane-2

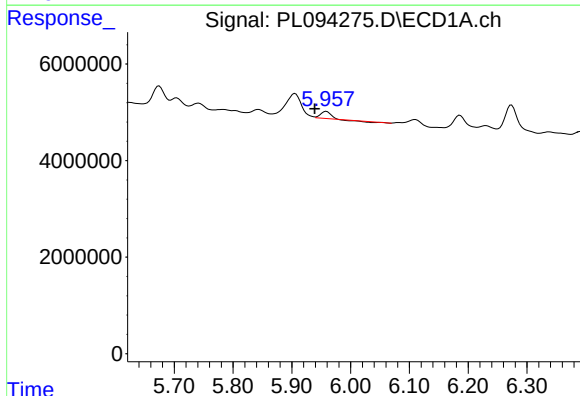
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



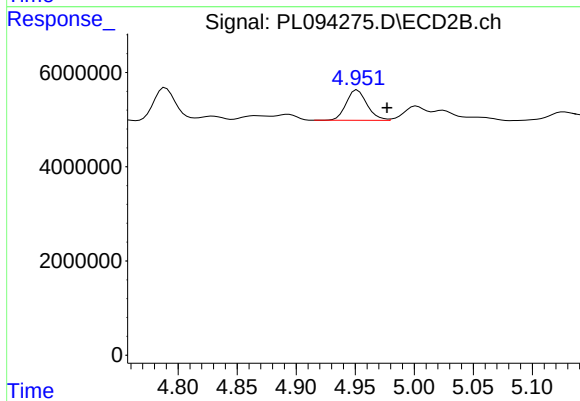
#24 Chlordane-2

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 1166625
Conc: 7.95 ng/ml



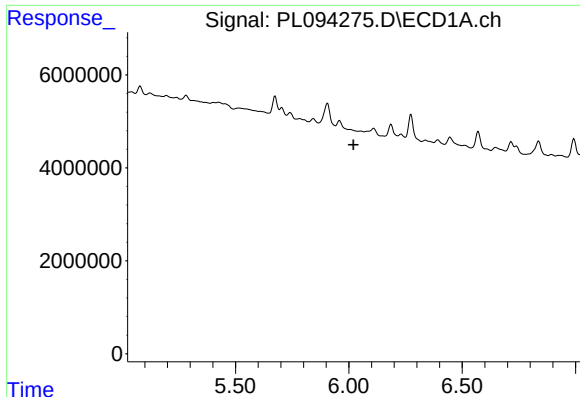
#25 Chlordane-3

R.T.: 5.959 min
Delta R.T.: 0.019 min
Response: 1363359
Conc: 3.48 ng/ml



#25 Chlordane-3

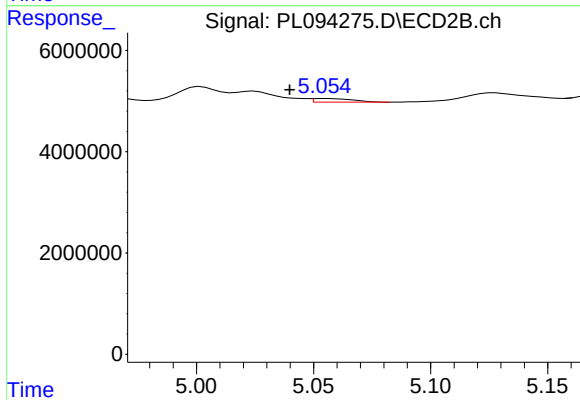
R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 7933275
Conc: 18.24 ng/ml



#26 Chlordane-4

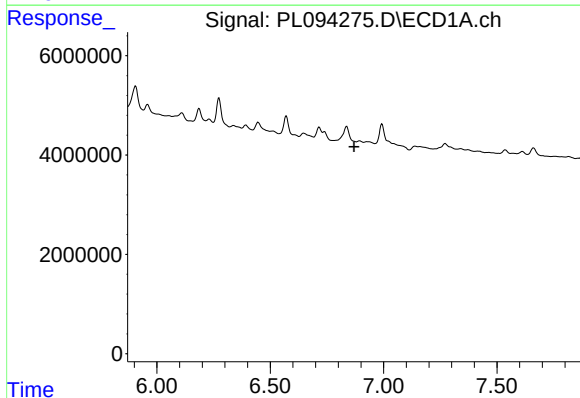
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



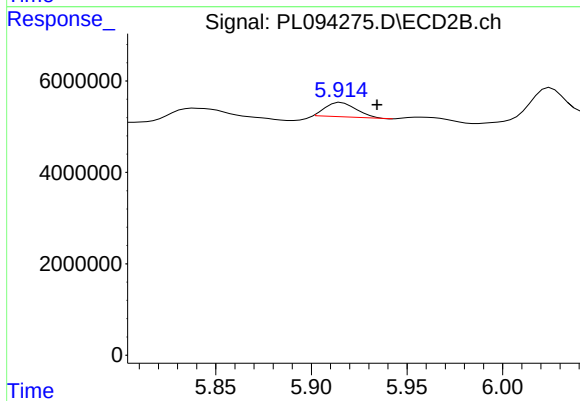
#26 Chlordane-4

R.T.: 5.055 min
Delta R.T.: 0.015 min
Response: 829714
Conc: 1.96 ng/ml



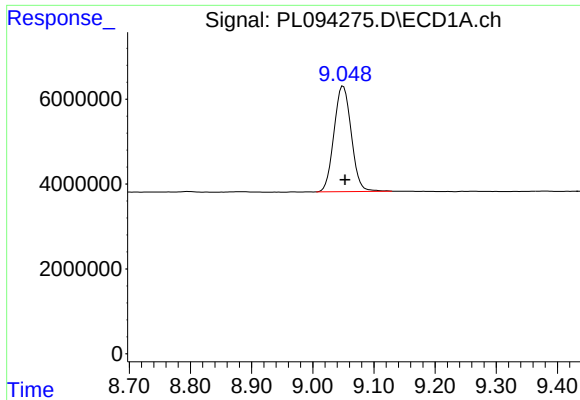
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

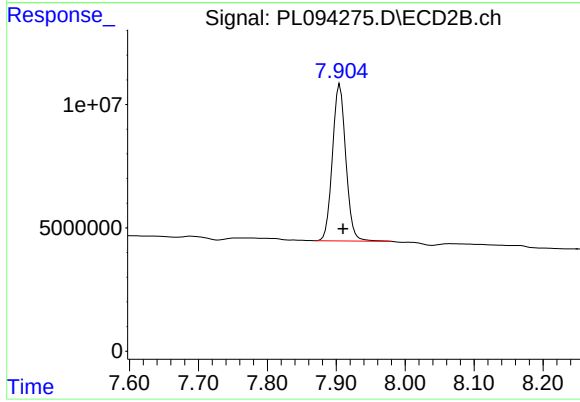
R.T.: 5.916 min
Delta R.T.: -0.019 min
Response: 3469930
Conc: 22.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 48897438
Conc: 23.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-06-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 85457980
Conc: 24.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094276.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 18:54
 Operator : AR\AJ
 Sample : Q1382-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-07-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:15:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	104.0E6	82032870	38.635	25.131 #
28)	SA Decachlor...	9.049	7.905	50476519	87252732	24.129	24.900
Target Compounds							
2)	A alpha-BHC	0.000	3.273	0	185252	N.D.	0.038 #
3)	MA gamma-BHC...	0.000	3.620	0	88137	N.D.	0.019 #
4)	MA Heptachlor	0.000	3.943	0	1033959	N.D.	0.222 #
5)	MB Aldrin	5.282f	4.238	3474998	2323343	1.062	0.509 #
7)	B delta-BHC	0.000	4.135	0	40718	N.D.	0.009 #
8)	B Heptachlo...	5.674	4.721	15292950	37967	5.143	0.009 #
9)	A Endosulfan I	0.000	5.125f	0	1105439	N.D.	0.285 #
10)	B gamma-Chl...	5.957f	5.001f	6121978	9881872	2.196	2.332
11)	B alpha-Chl...	0.000	5.024f	0	7337618	N.D.	1.753 #
12)	B 4,4'-DDE	6.186	0.000	9607130	0	3.946	N.D. #
13)	MA Dieldrin	0.000	5.358	0	23481794	N.D.	5.466 #
14)	MA Endrin	6.570	5.637	13028732	-8493824	5.556	N.D. #
15)	B Endosulfa...	0.000	5.914f	0	7061385	N.D.	1.907 #
16)	A 4,4'-DDD	6.716	5.789	10280725	-538222	5.409	N.D. #
17)	MA 4,4'-DDT	6.993f	6.025	14289545	24728615	7.246	7.599
18)	B Endrin al...	0.000	6.123	0	736586	N.D.	0.242 #
19)	B Endosulfa...	0.000	6.322	0	797069	N.D.	0.224 #
20)	A Methoxychlor	0.000	6.638f	0	102405	N.D.	0.057 #
21)	B Endrin ke...	0.000	6.813f	0	382731	N.D.	0.091 #
22)	Mirex	0.000	7.036f	0	182218	N.D.	0.054 #
23)	Chlordane-1	0.000	3.759	0	352426	N.D.	2.824 #
24)	Chlordane-2	0.000	4.317f	0	79099	N.D.	0.539 #
25)	Chlordane-3	5.957f	5.001f	6121978	9881872	15.607	22.726 #
26)	Chlordane-4	0.000	5.024	0	7337618	N.D.	17.319 #
27)	Chlordane-5	0.000	5.914f	0	7061385	N.D.	46.104 #

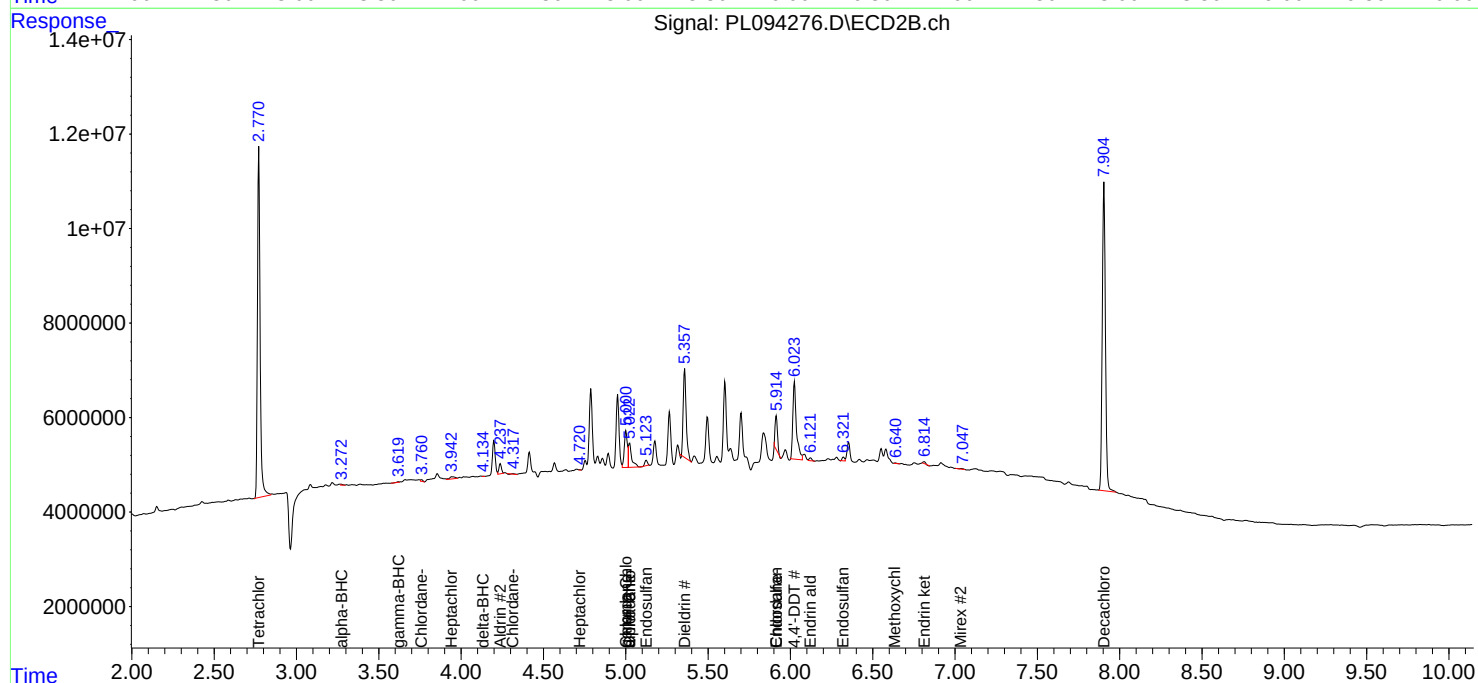
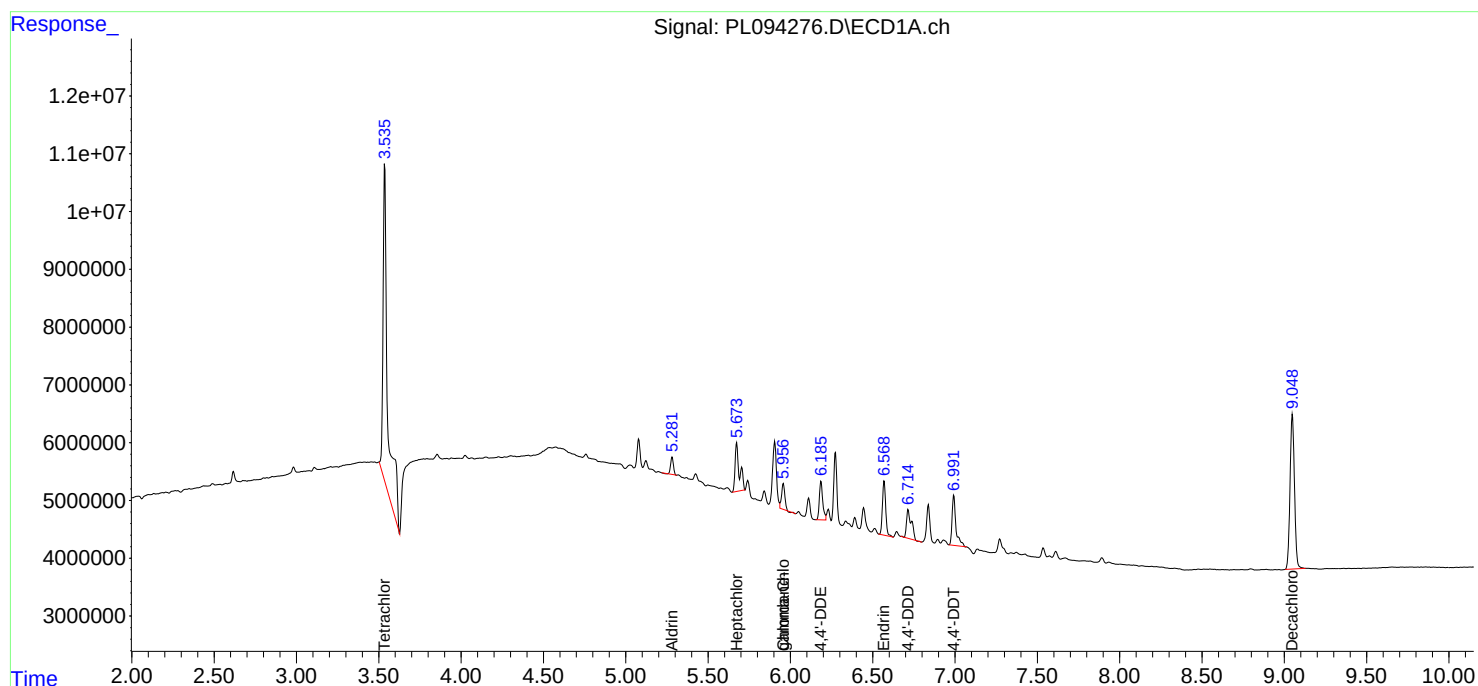
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

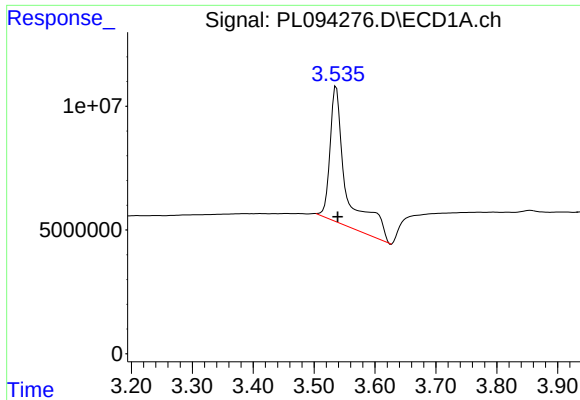
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094276.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 18:54
Operator : AR\AJ
Sample : Q1382-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:15:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

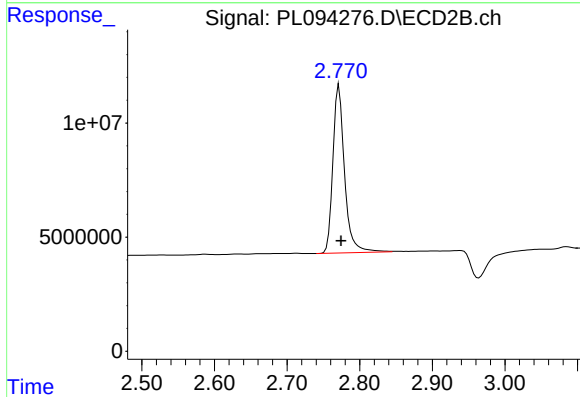




#1 Tetrachloro-m-xylene

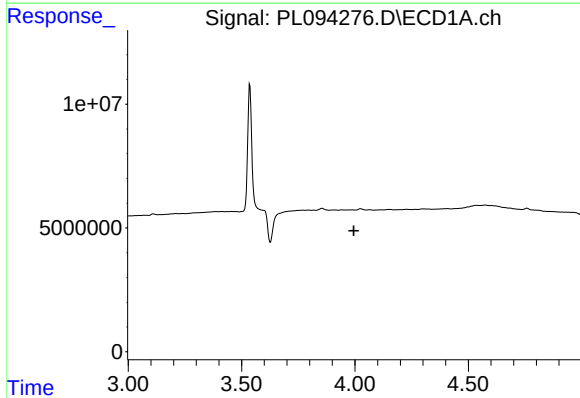
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 104035674
Conc: 38.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



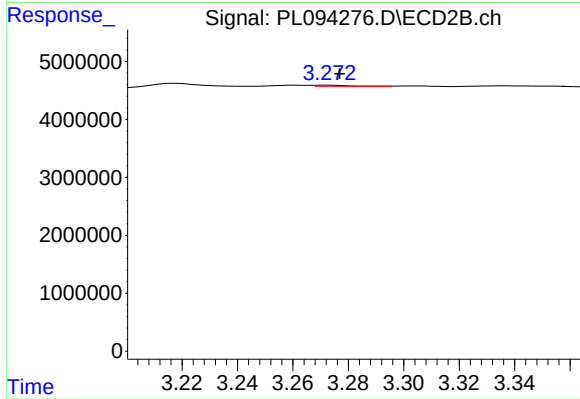
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82032870
Conc: 25.13 ng/ml



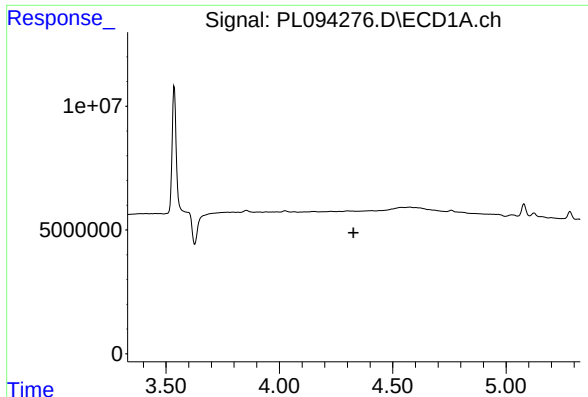
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

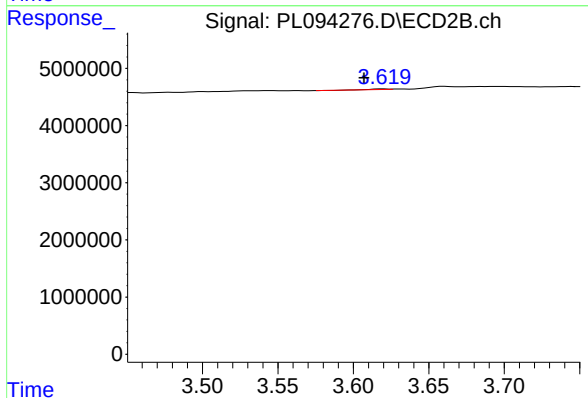
R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 185252
Conc: 0.04 ng/ml



#3 gamma-BHC (Lindane)

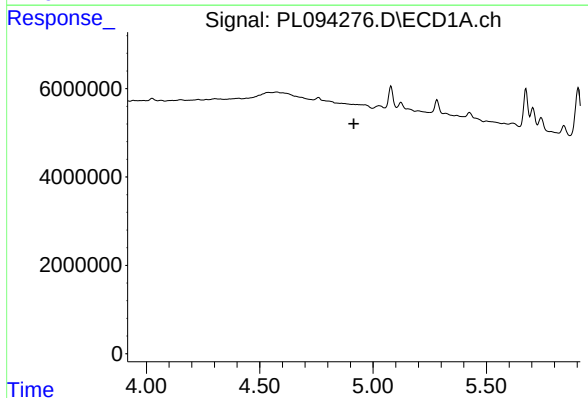
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



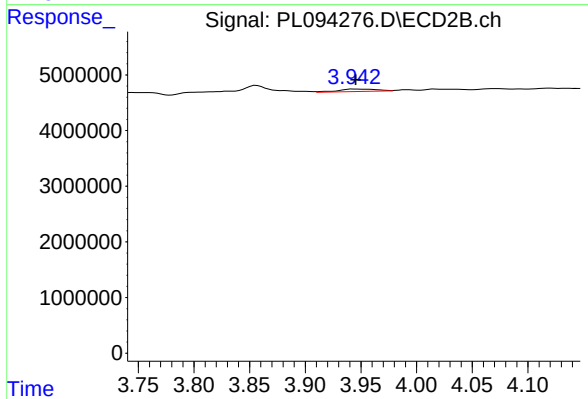
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 88137
Conc: 0.02 ng/ml



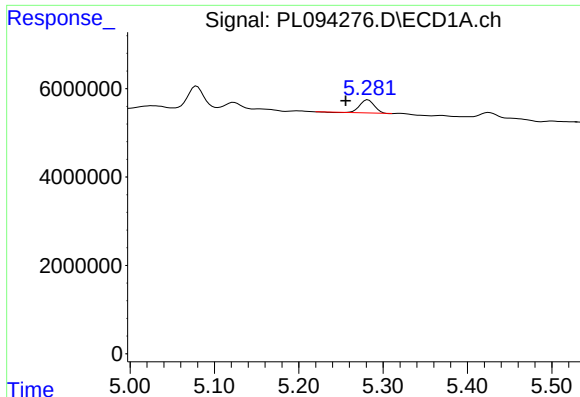
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

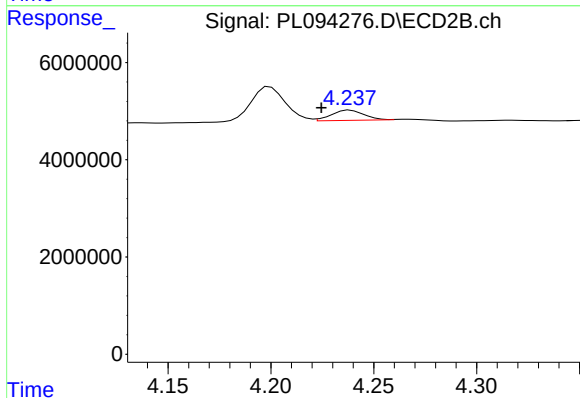
R.T.: 3.943 min
Delta R.T.: -0.002 min
Response: 1033959
Conc: 0.22 ng/ml



#5 Aldrin

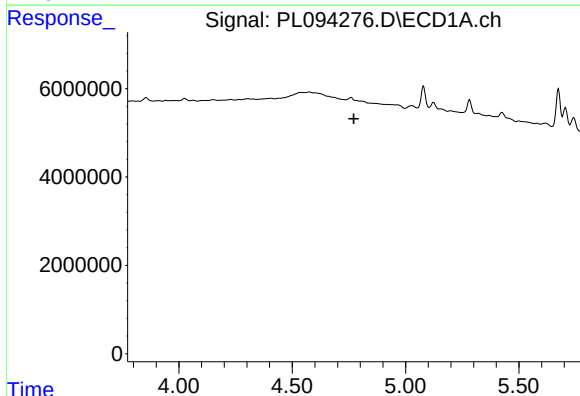
R.T.: 5.282 min
Delta R.T.: 0.026 min
Response: 3474998
Conc: 1.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



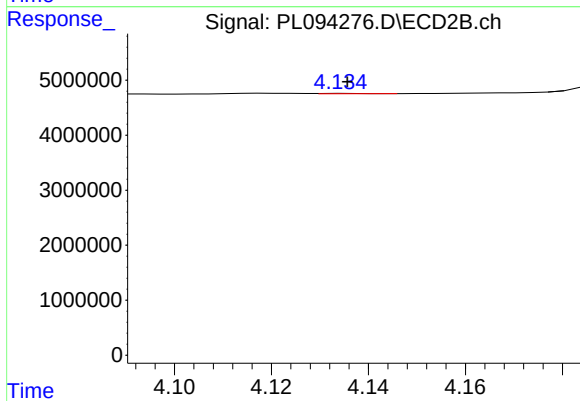
#5 Aldrin

R.T.: 4.238 min
Delta R.T.: 0.014 min
Response: 2323343
Conc: 0.51 ng/ml



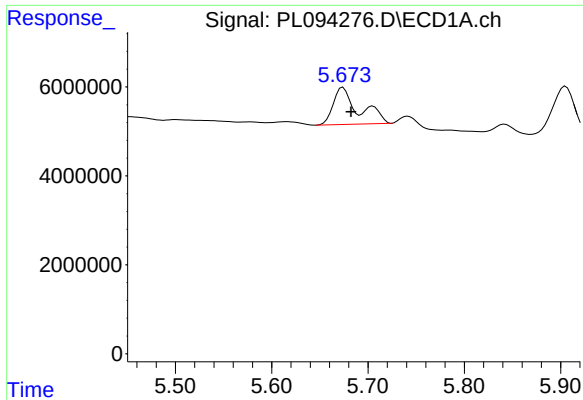
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.



#7 delta-BHC

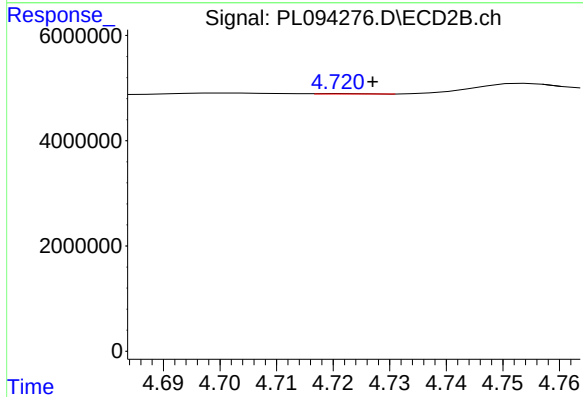
R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 40718
Conc: 0.01 ng/ml



#8 Heptachlor epoxide

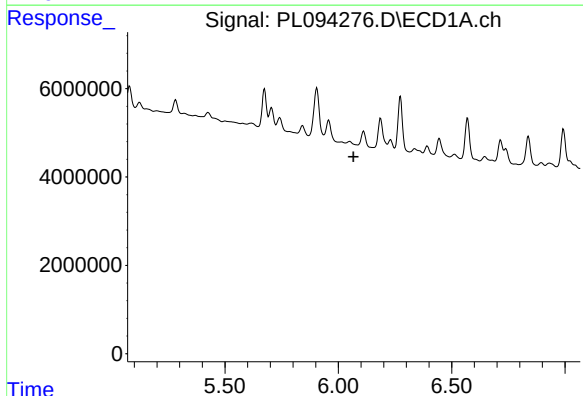
R.T.: 5.674 min
Delta R.T.: -0.008 min
Response: 15292950
Conc: 5.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



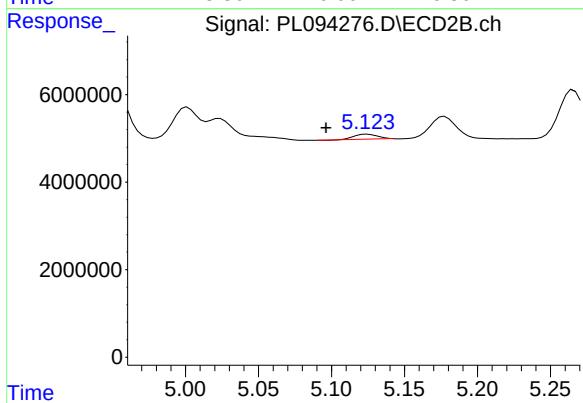
#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.005 min
Response: 37967
Conc: 0.01 ng/ml



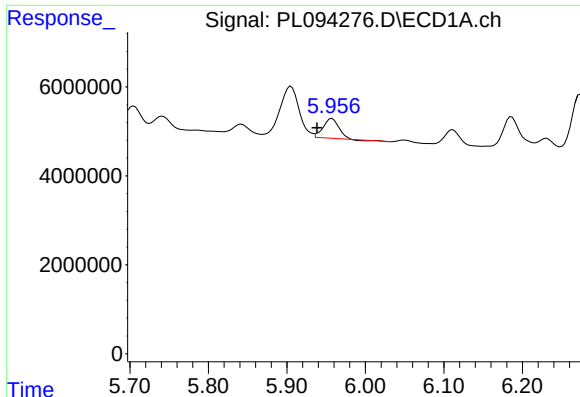
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

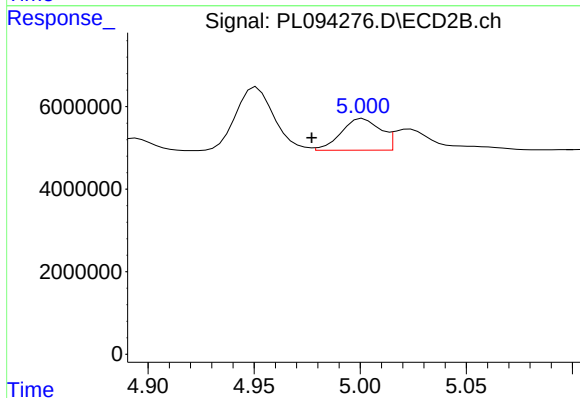
R.T.: 5.125 min
Delta R.T.: 0.028 min
Response: 1105439
Conc: 0.29 ng/ml



#10 gamma-Chlordane

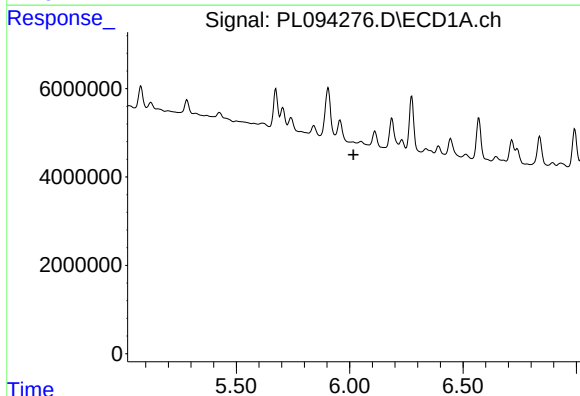
R.T.: 5.957 min
Delta R.T.: 0.019 min
Response: 6121978
Conc: 2.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



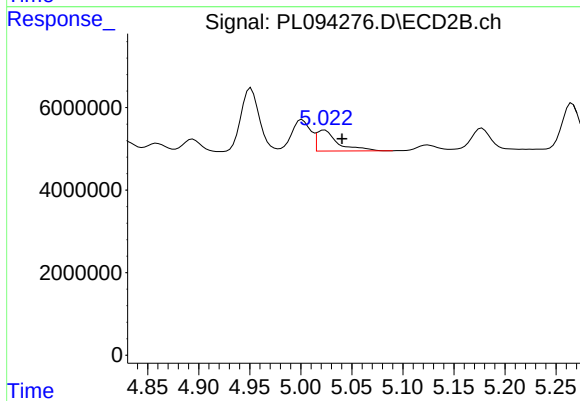
#10 gamma-Chlordane

R.T.: 5.001 min
Delta R.T.: 0.024 min
Response: 9881872
Conc: 2.33 ng/ml



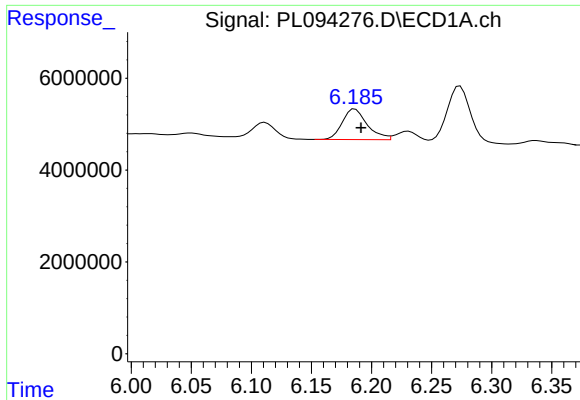
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

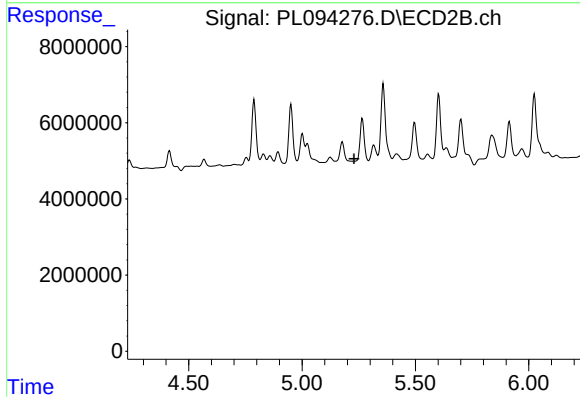
R.T.: 5.024 min
Delta R.T.: -0.017 min
Response: 7337618
Conc: 1.75 ng/ml



#12 4,4'-DDE

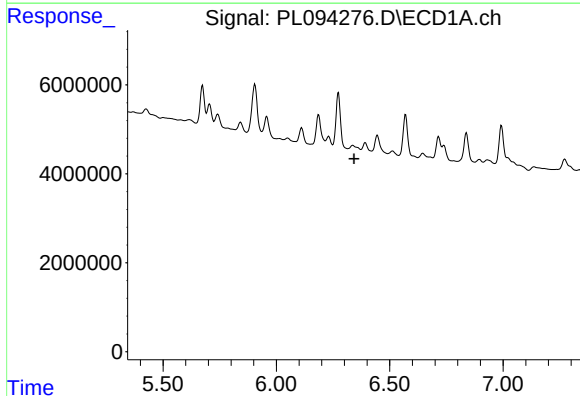
R.T.: 6.186 min
Delta R.T.: -0.005 min
Response: 9607130
Conc: 3.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



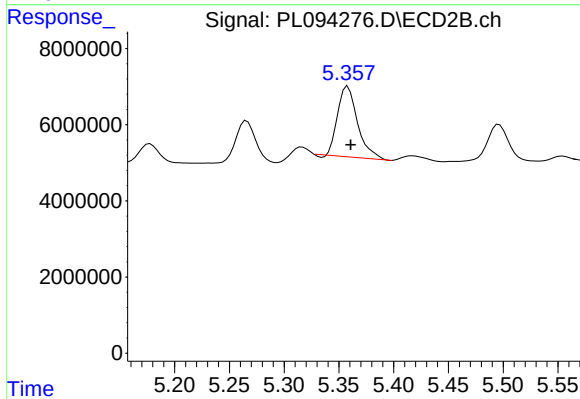
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 5.230 min
Response: 0
Conc: N.D.



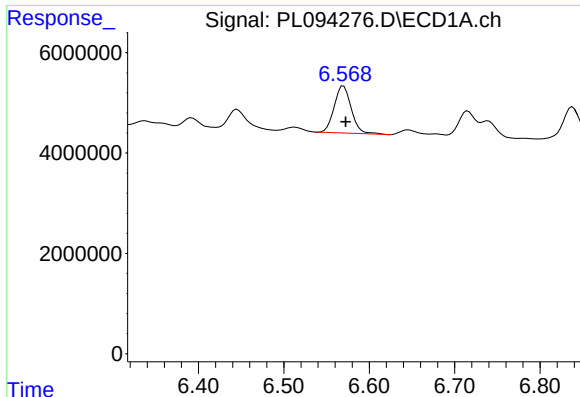
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

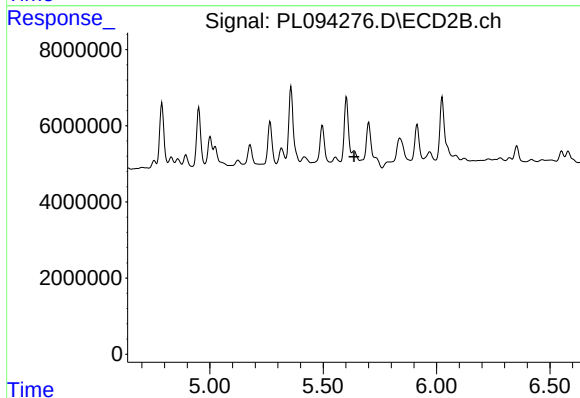
R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 23481794
Conc: 5.47 ng/ml



#14 Endrin

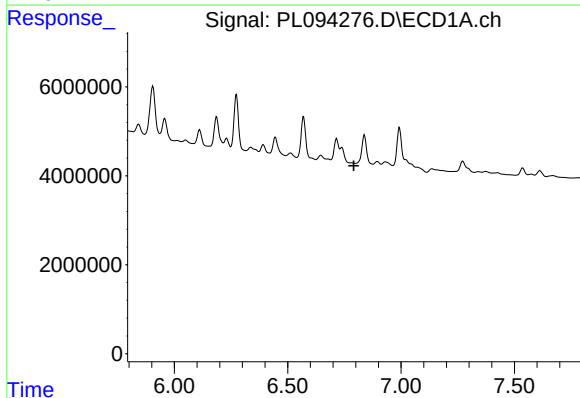
R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 13028732
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



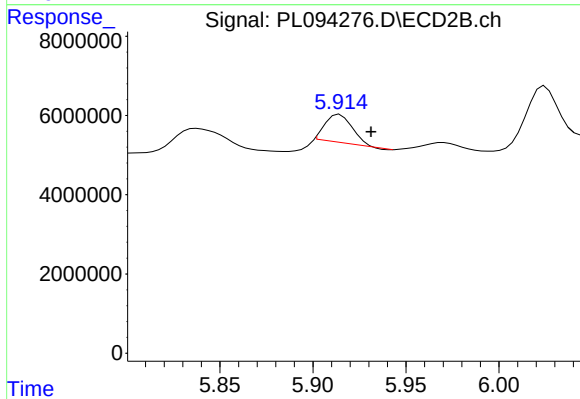
#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: -8493824
Conc: N.D.



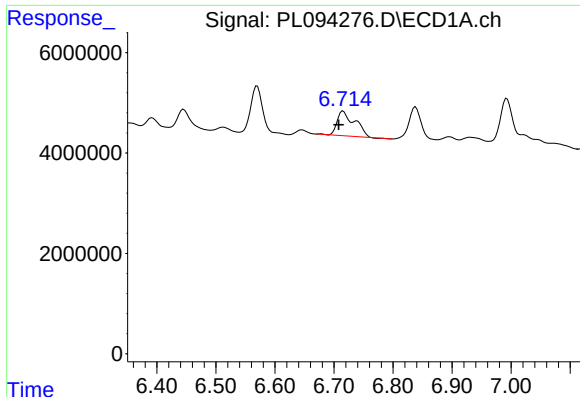
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

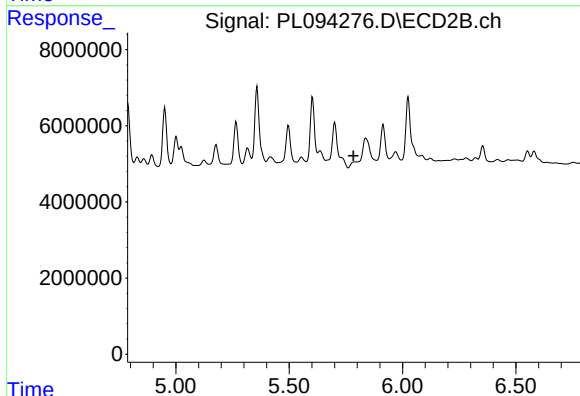
R.T.: 5.914 min
Delta R.T.: -0.017 min
Response: 7061385
Conc: 1.91 ng/ml



#16 4,4'-DDD

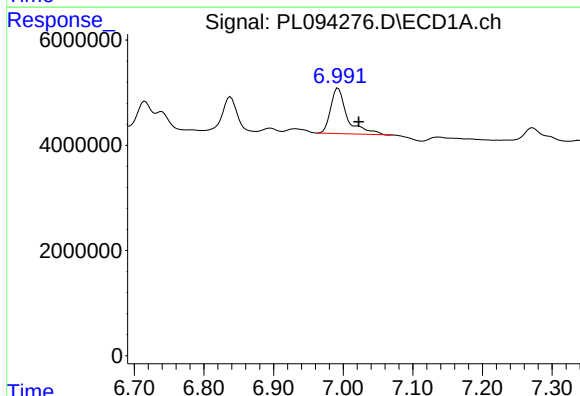
R.T.: 6.716 min
Delta R.T.: 0.008 min
Response: 10280725
Conc: 5.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



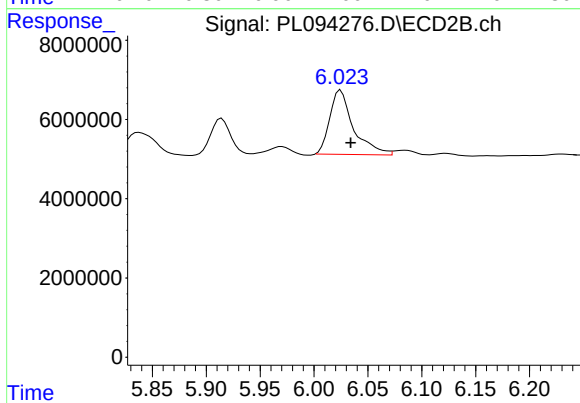
#16 4,4'-DDD

R.T.: 5.789 min
Delta R.T.: 0.005 min
Response: -538222
Conc: N.D.



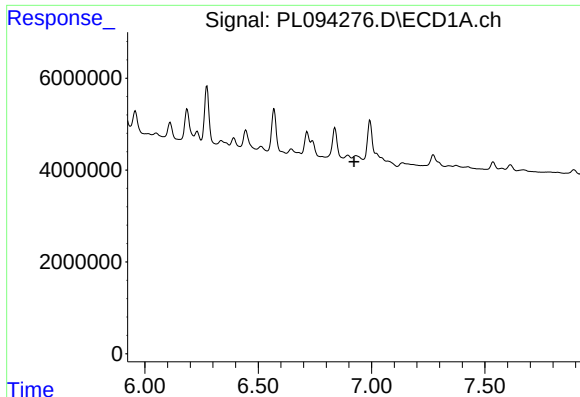
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: -0.029 min
Response: 14289545
Conc: 7.25 ng/ml



#17 4,4'-DDT

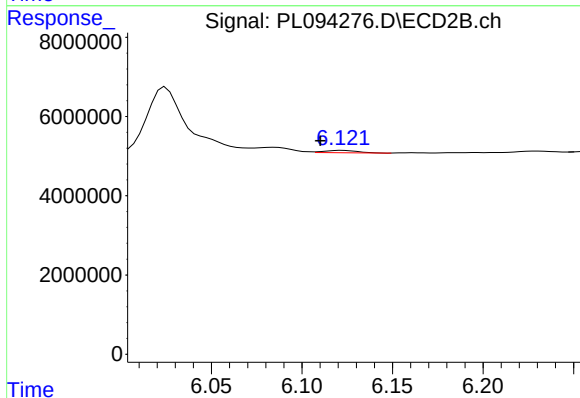
R.T.: 6.025 min
Delta R.T.: -0.009 min
Response: 24728615
Conc: 7.60 ng/ml



#18 Endrin aldehyde

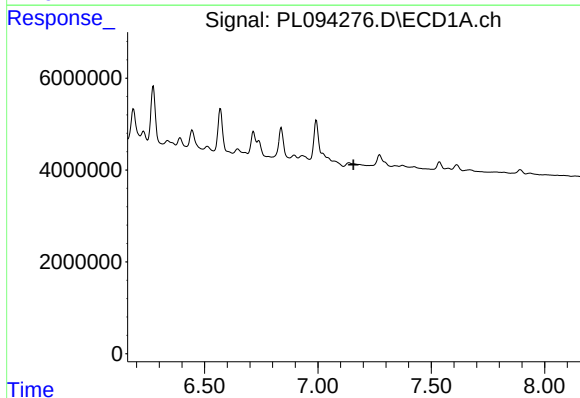
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



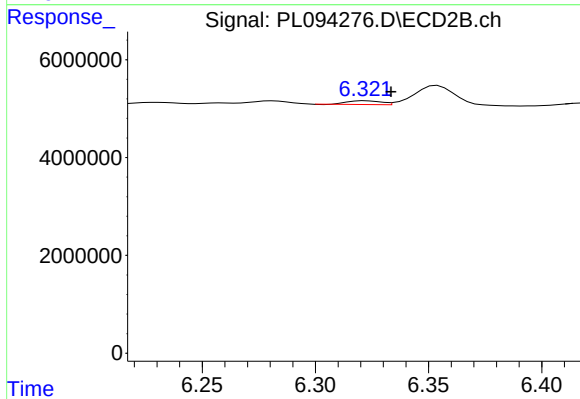
#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.013 min
Response: 736586
Conc: 0.24 ng/ml



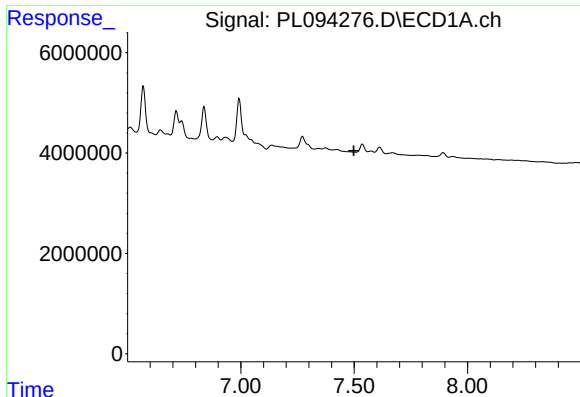
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

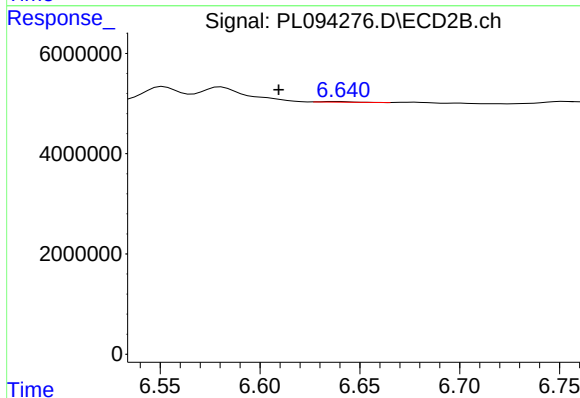
R.T.: 6.322 min
Delta R.T.: -0.011 min
Response: 797069
Conc: 0.22 ng/ml



#20 Methoxychlor

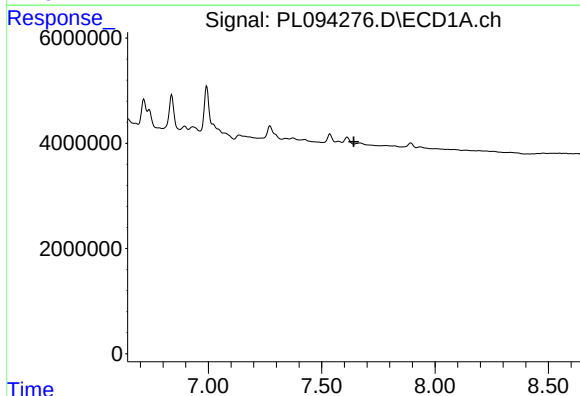
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



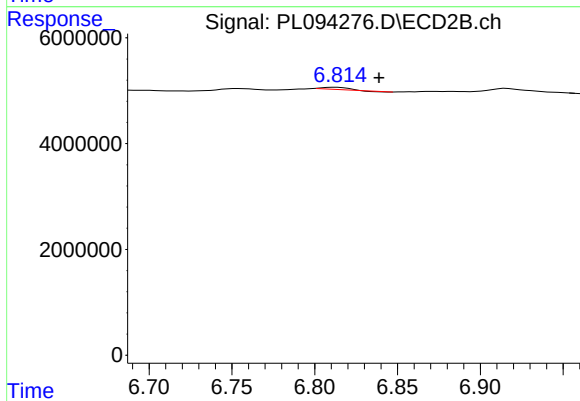
#20 Methoxychlor

R.T.: 6.638 min
Delta R.T.: 0.028 min
Response: 102405
Conc: 0.06 ng/ml



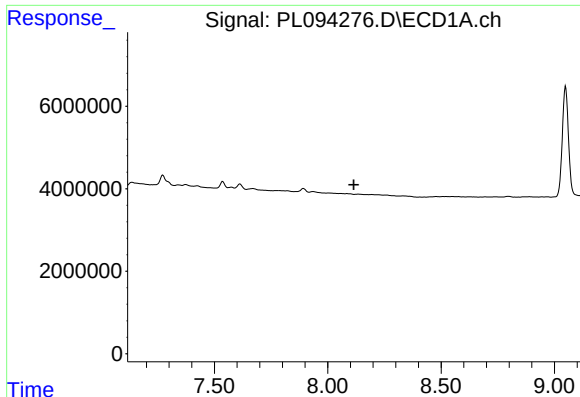
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.642 min
Response: 0
Conc: N.D.



#21 Endrin ketone

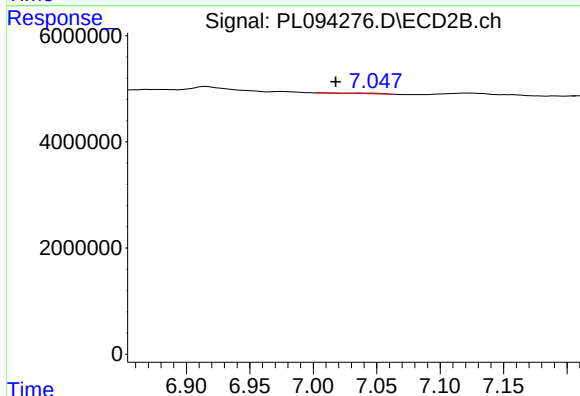
R.T.: 6.813 min
Delta R.T.: -0.025 min
Response: 382731
Conc: 0.09 ng/ml



#22 Mirex

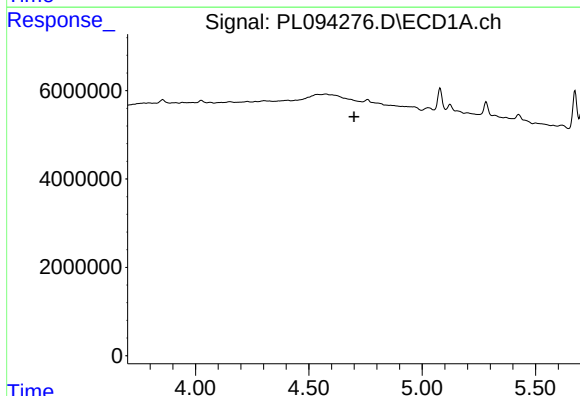
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



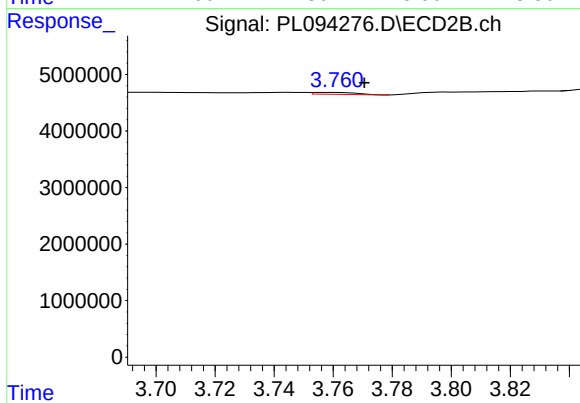
#22 Mirex

R.T.: 7.036 min
Delta R.T.: 0.018 min
Response: 182218
Conc: 0.05 ng/ml



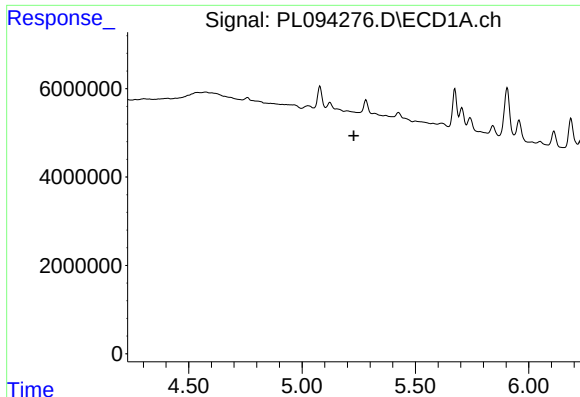
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

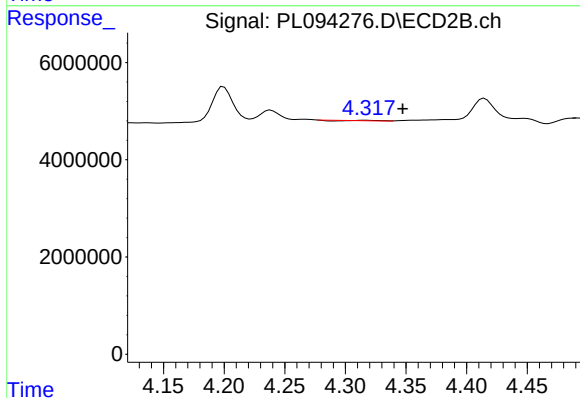
R.T.: 3.759 min
Delta R.T.: -0.011 min
Response: 352426
Conc: 2.82 ng/ml



#24 Chlordane-2

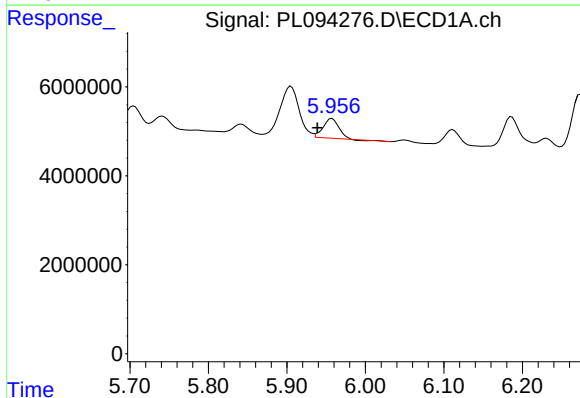
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



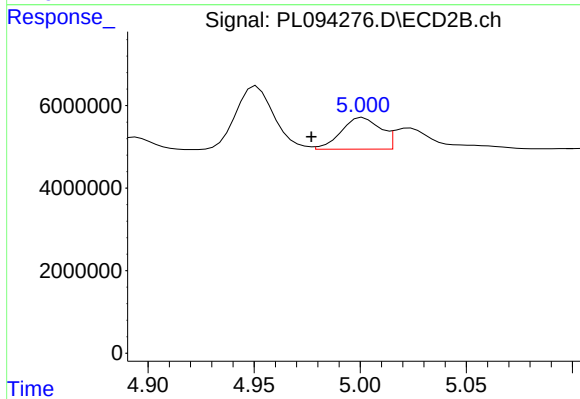
#24 Chlordane-2

R.T.: 4.317 min
Delta R.T.: -0.031 min
Response: 79099
Conc: 0.54 ng/ml



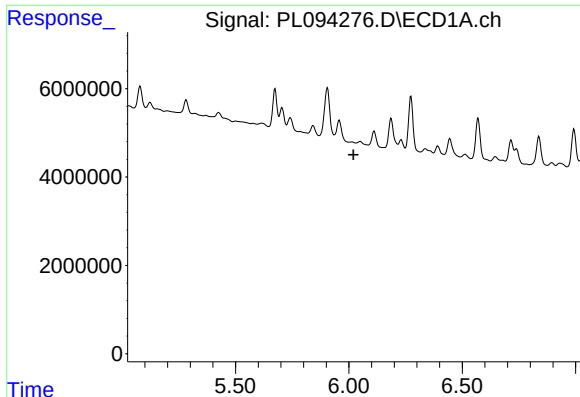
#25 Chlordane-3

R.T.: 5.957 min
Delta R.T.: 0.018 min
Response: 6121978
Conc: 15.61 ng/ml



#25 Chlordane-3

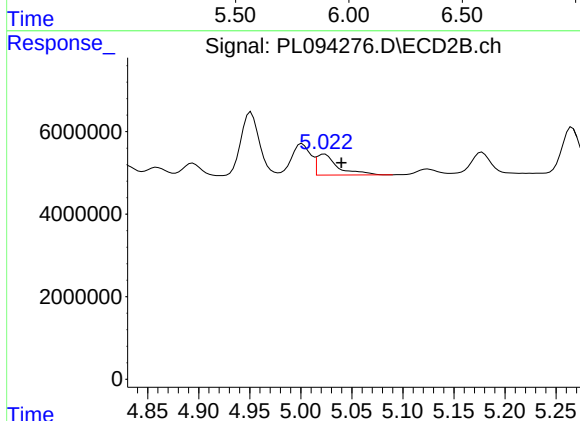
R.T.: 5.001 min
Delta R.T.: 0.024 min
Response: 9881872
Conc: 22.73 ng/ml



#26 Chlordane-4

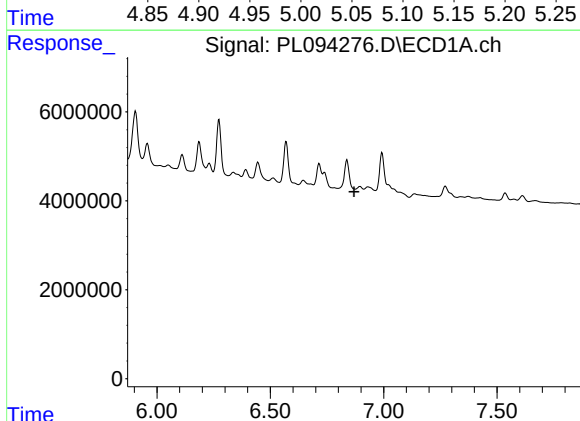
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



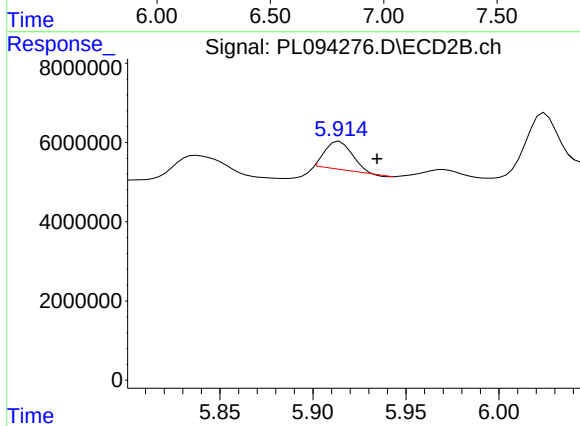
#26 Chlordane-4

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 7337618
Conc: 17.32 ng/ml



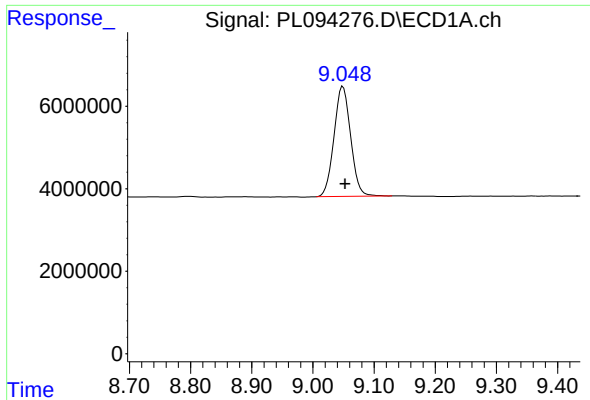
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

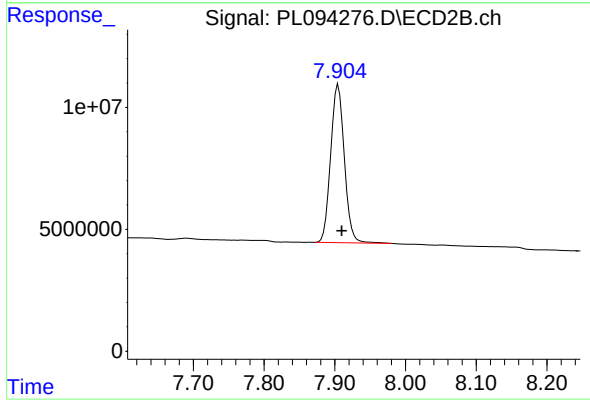
R.T.: 5.914 min
Delta R.T.: -0.020 min
Response: 7061385
Conc: 46.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 50476519
Conc: 24.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-07-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 87252732
Conc: 24.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094277.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:08
 Operator : AR\AJ
 Sample : Q1382-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-08-021725

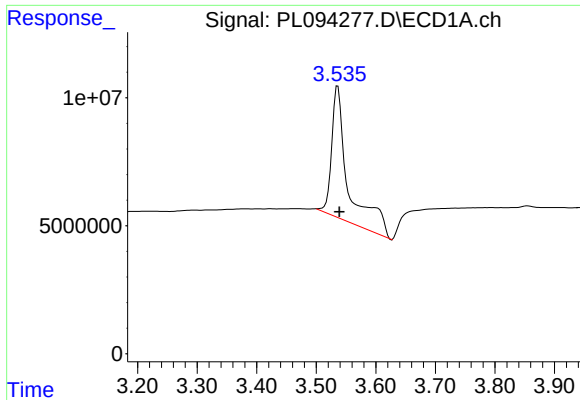
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	100.0E6	76118275	37.150	23.319 #
28)	SA Decachlor...	9.050	7.905	42420731	72913446	20.278	20.808
Target Compounds							
2)	A alpha-BHC	0.000	3.268	0	243895	N.D.	0.050 #
3)	MA gamma-BHC...	0.000	3.615	0	228109	N.D.	0.048 #
4)	MA Heptachlor	0.000	3.947	0	513827	N.D.	0.110 #
5)	MB Aldrin	0.000	4.223	0	162097	N.D.	0.036 #
6)	B beta-BHC	0.000	3.905	0	545387	N.D.	0.273 #
7)	B delta-BHC	0.000	4.121f	0	442497	N.D.	0.093 #
8)	B Heptachlo...	0.000	4.719	0	54742	N.D.	0.013 #
10)	B gamma-Chl...	0.000	4.999f	0	600164	N.D.	0.142 #
11)	B alpha-Chl...	0.000	5.024f	0	657337	N.D.	0.157 #
13)	MA Dieldrin	0.000	5.357	0	1322659	N.D.	0.308 #
15)	B Endosulfa...	0.000	5.915f	0	272338	N.D.	0.074 #
16)	A 4,4'-DDD	0.000	5.796	0	118598	N.D.	0.038 #
17)	MA 4,4'-DDT	0.000	6.027	0	1421501	N.D.	0.437 #
18)	B Endrin al...	0.000	6.109	0	31837	N.D.	0.010 #
19)	B Endosulfa...	0.000	6.347	0	124394	N.D.	0.035 #
20)	A Methoxychlor	0.000	6.611	0	9414	N.D.	0.005 #
21)	B Endrin ke...	0.000	6.849	0	9838	N.D.	0.002 #
22)	Mirex	0.000	7.040f	0	111565	N.D.	0.033 #
23)	Chlordane-1	0.000	3.745f	0	925672	N.D.	7.417 #
24)	Chlordane-2	0.000	4.361	0	690773	N.D.	4.708 #
25)	Chlordane-3	0.000	4.999f	0	600164	N.D.	1.380 #
26)	Chlordane-4	0.000	5.024	0	657337	N.D.	1.552 #
27)	Chlordane-5	0.000	5.915f	0	272338	N.D.	1.778 #

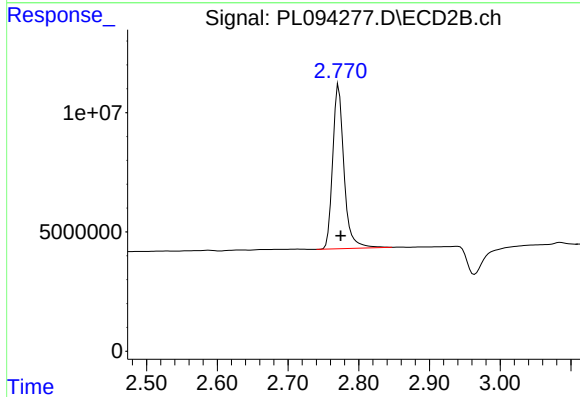
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

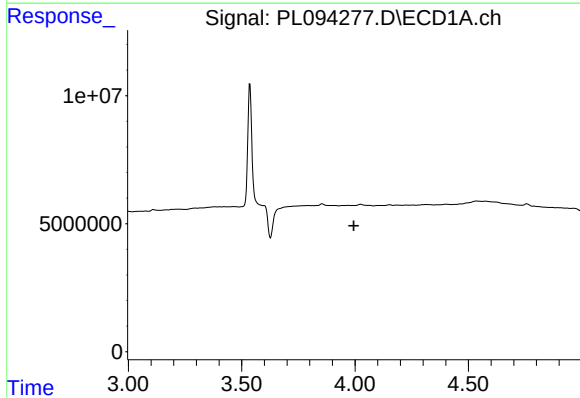
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 100037388
Conc: 37.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



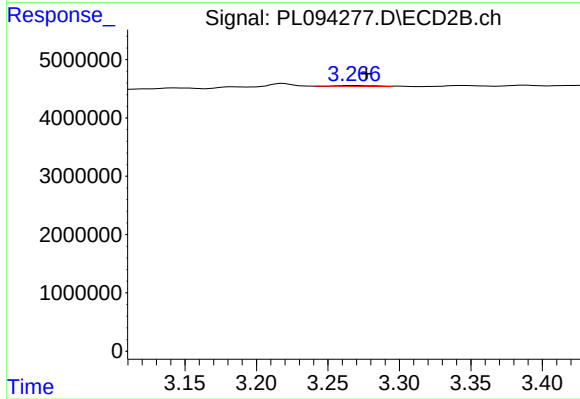
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76118275
Conc: 23.32 ng/ml



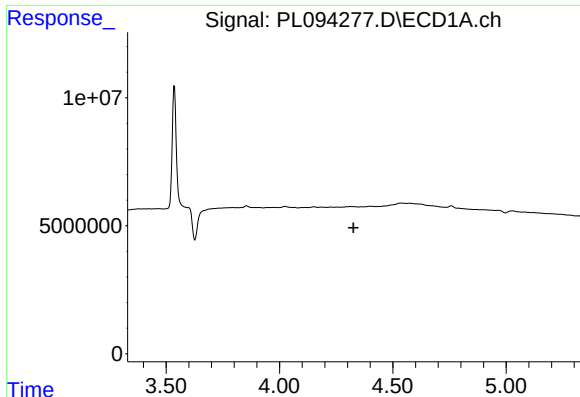
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

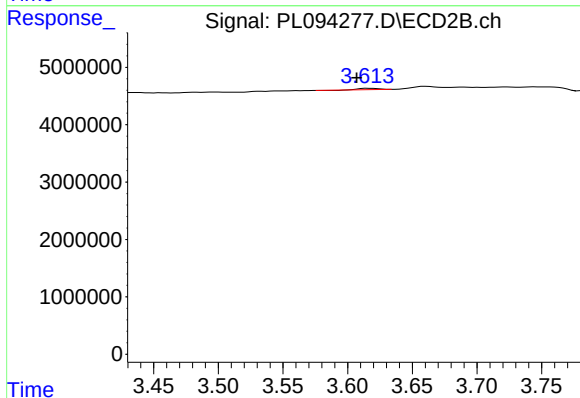
R.T.: 3.268 min
Delta R.T.: -0.009 min
Response: 243895
Conc: 0.05 ng/ml



#3 gamma-BHC (Lindane)

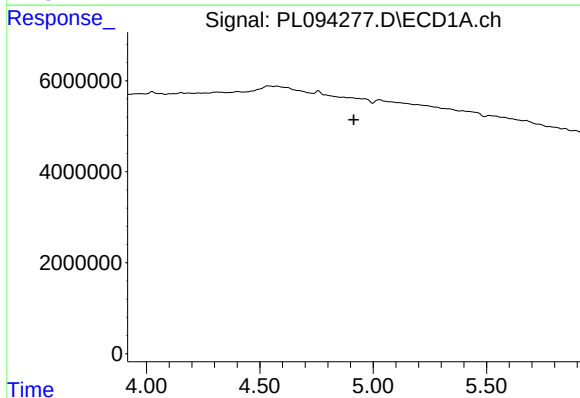
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



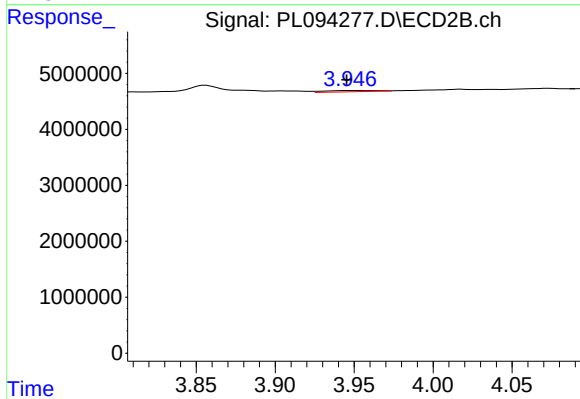
#3 gamma-BHC (Lindane)

R.T.: 3.615 min
Delta R.T.: 0.008 min
Response: 228109
Conc: 0.05 ng/ml



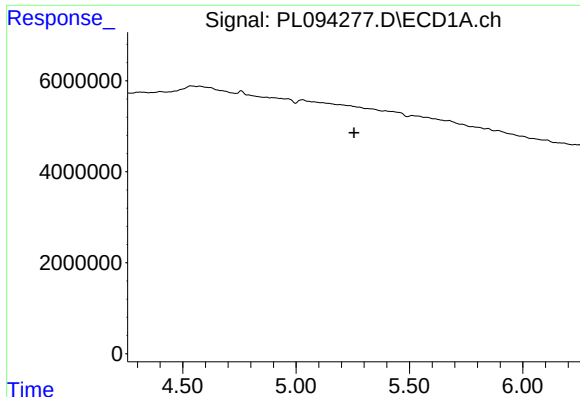
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

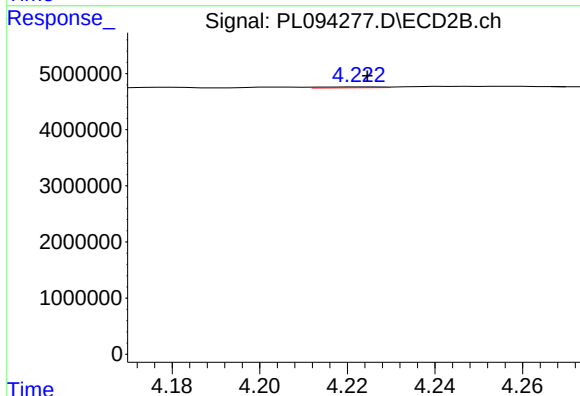
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 513827
Conc: 0.11 ng/ml



#5 Aldrin

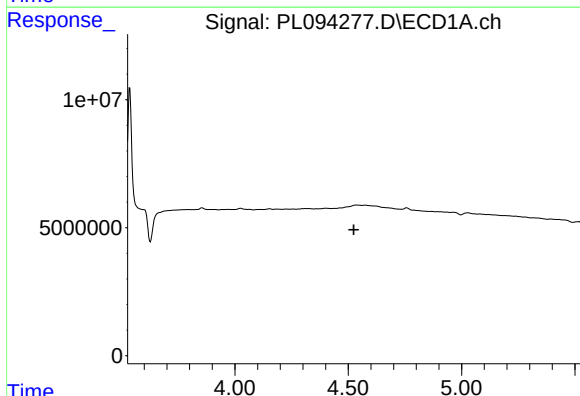
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



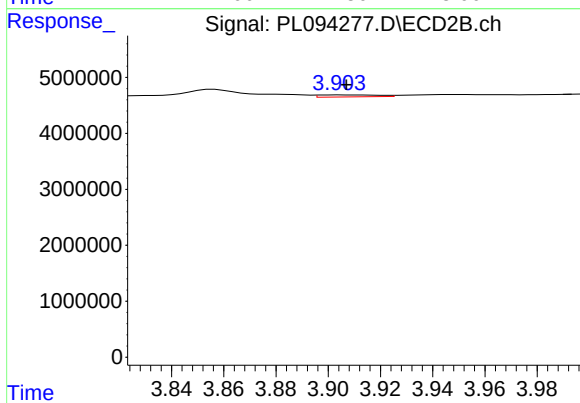
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.001 min
Response: 162097
Conc: 0.04 ng/ml



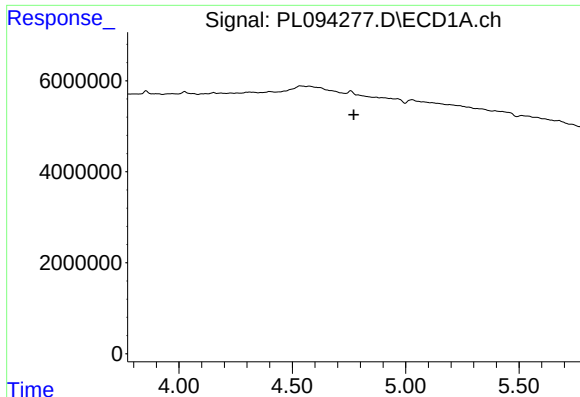
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

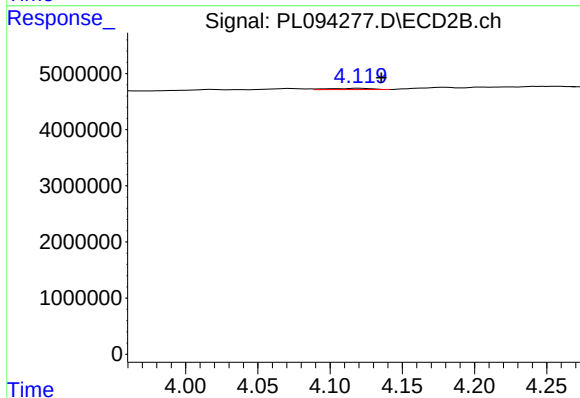
R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 545387
Conc: 0.27 ng/ml



#7 delta-BHC

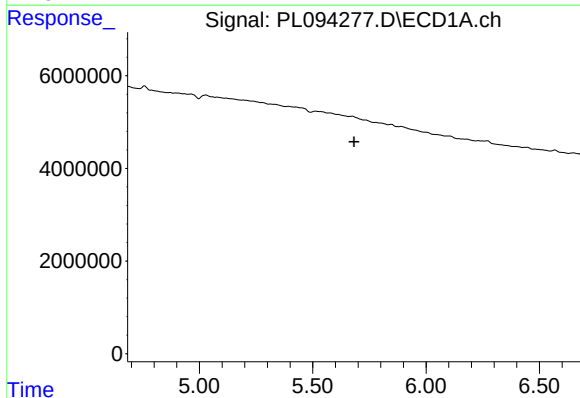
R.T.: 0.000 min
Exp R.T.: 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



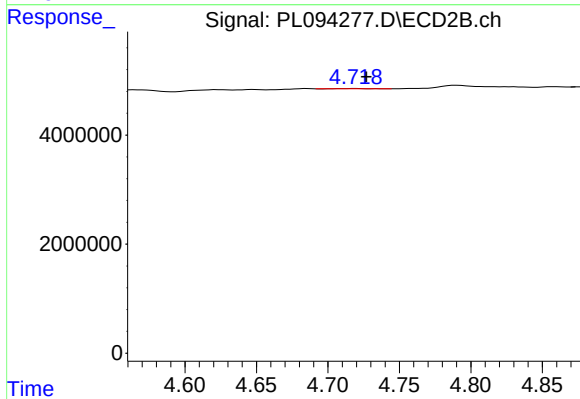
#7 delta-BHC

R.T.: 4.121 min
Delta R.T.: -0.015 min
Response: 442497
Conc: 0.09 ng/ml



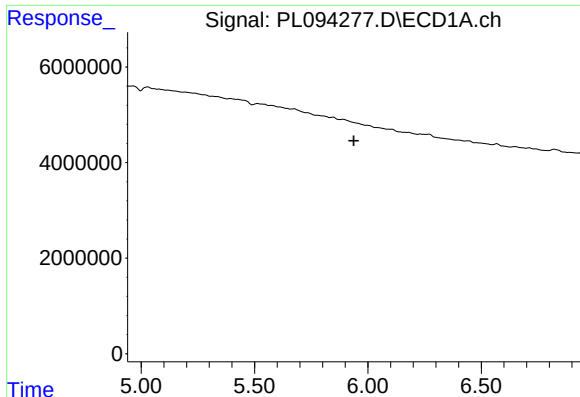
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

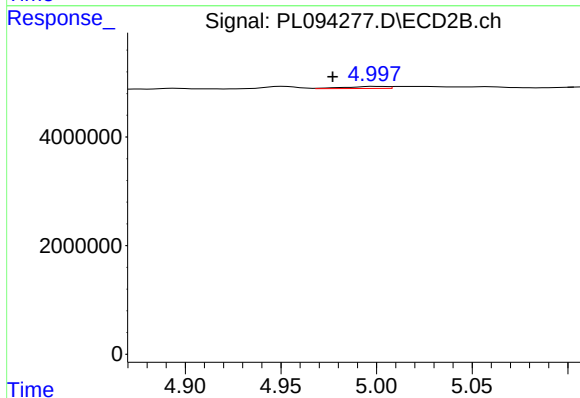
R.T.: 4.719 min
Delta R.T.: -0.008 min
Response: 54742
Conc: 0.01 ng/ml



#10 gamma-Chlordane

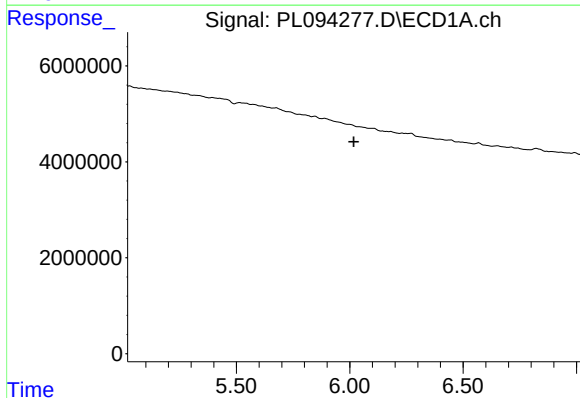
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



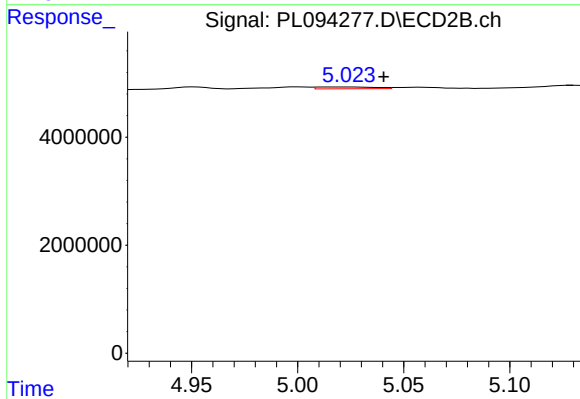
#10 gamma-Chlordane

R.T.: 4.999 min
Delta R.T.: 0.022 min
Response: 600164
Conc: 0.14 ng/ml



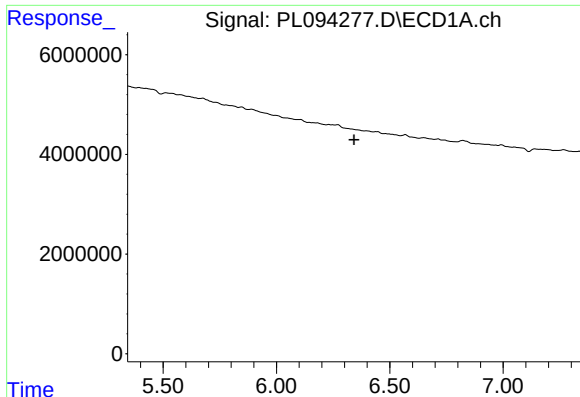
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

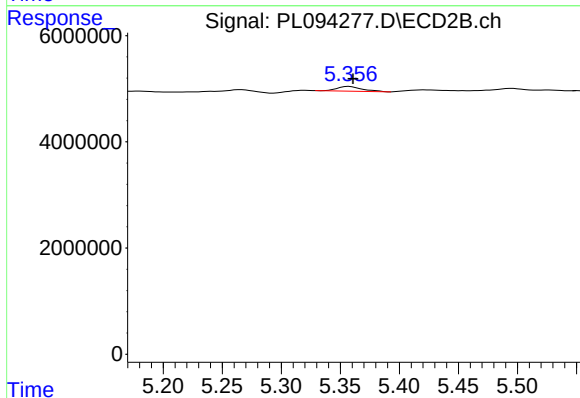
R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 657337
Conc: 0.16 ng/ml



#13 Dieldrin

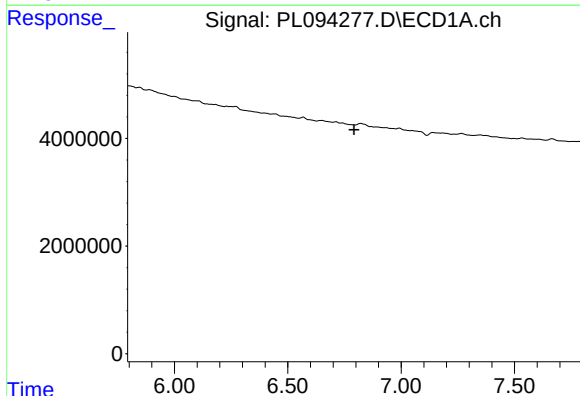
R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



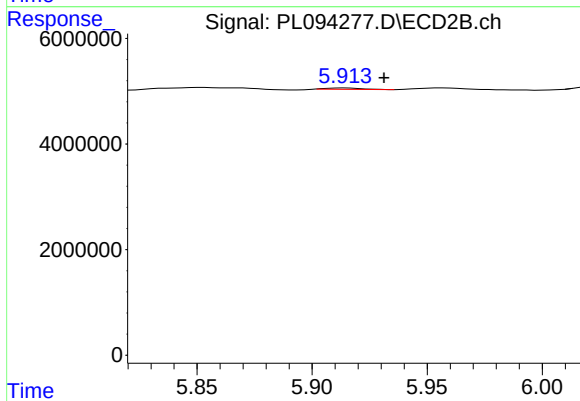
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.003 min
Response: 1322659
Conc: 0.31 ng/ml



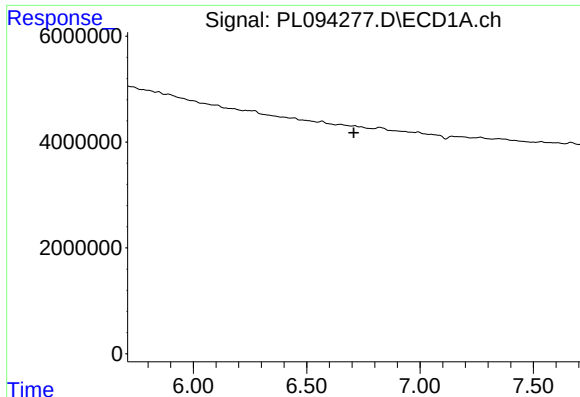
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

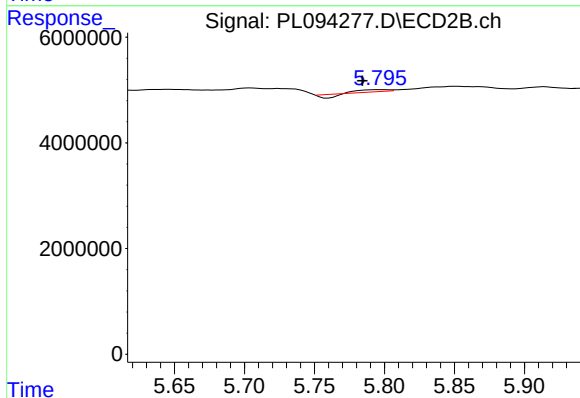
R.T.: 5.915 min
Delta R.T.: -0.017 min
Response: 272338
Conc: 0.07 ng/ml



#16 4,4'-DDD

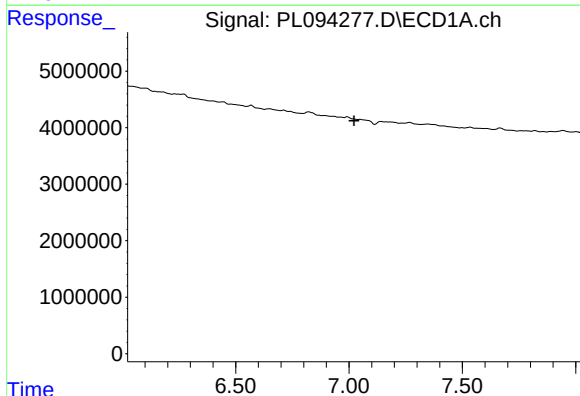
R.T.: 0.000 min
Exp R.T.: 6.708 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



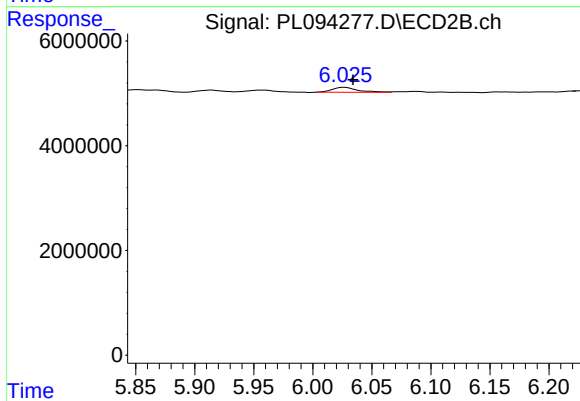
#16 4,4'-DDD

R.T.: 5.796 min
Delta R.T.: 0.012 min
Response: 118598
Conc: 0.04 ng/ml



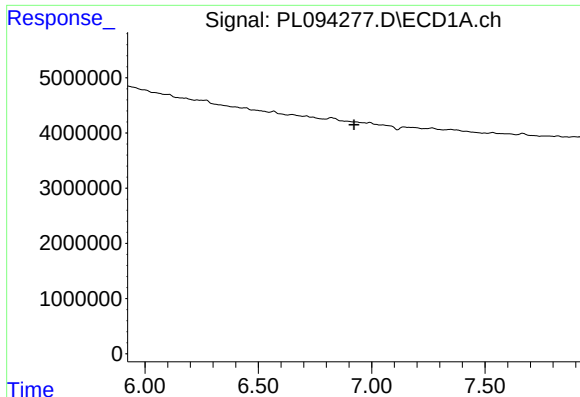
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

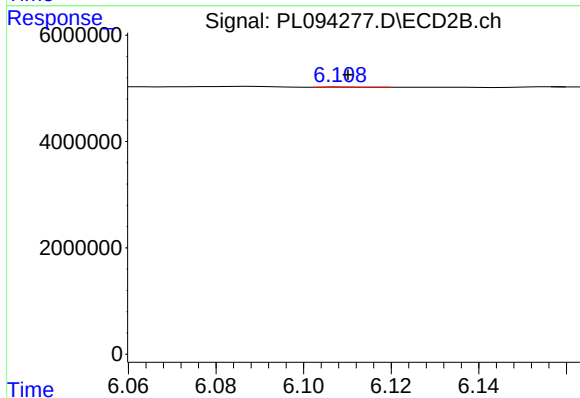
R.T.: 6.027 min
Delta R.T.: -0.007 min
Response: 1421501
Conc: 0.44 ng/ml



#18 Endrin aldehyde

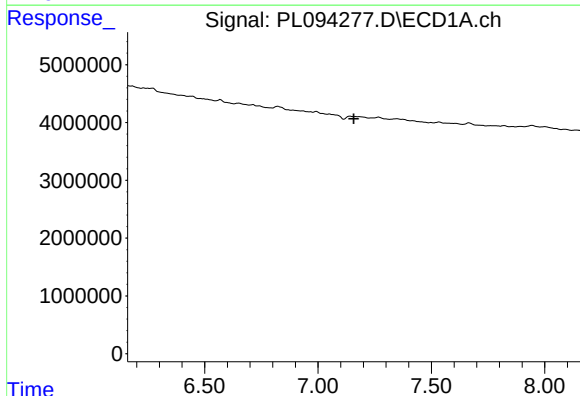
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



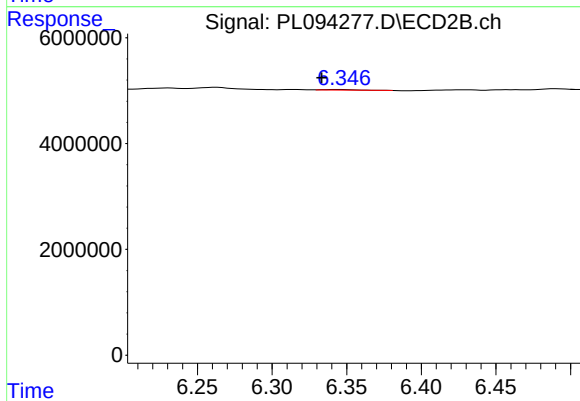
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 31837
Conc: 0.01 ng/ml



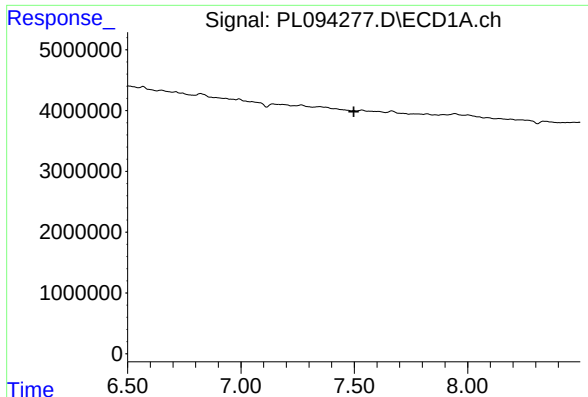
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

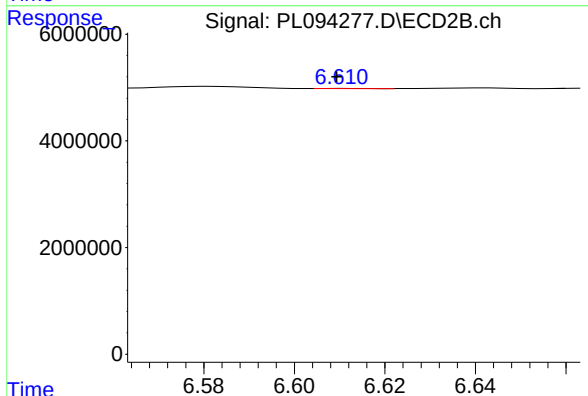
R.T.: 6.347 min
Delta R.T.: 0.013 min
Response: 124394
Conc: 0.03 ng/ml



#20 Methoxychlor

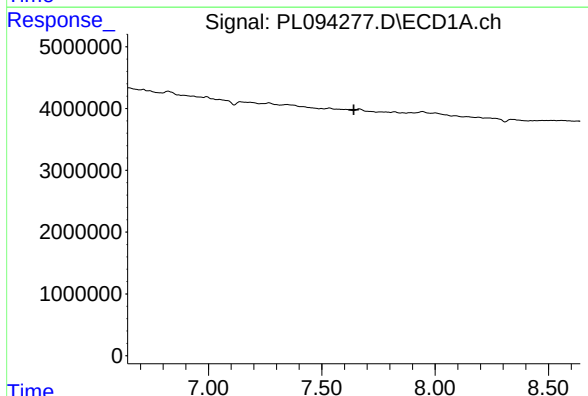
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



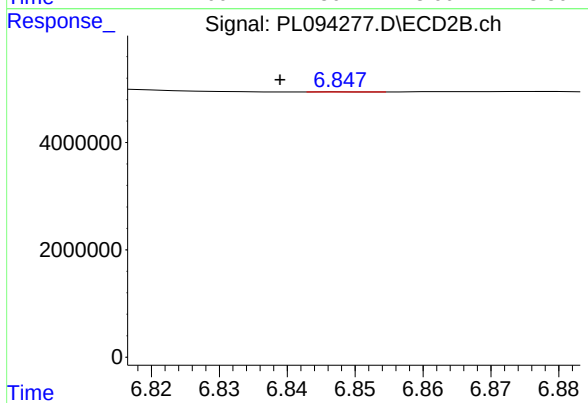
#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.002 min
Response: 9414
Conc: 0.01 ng/ml



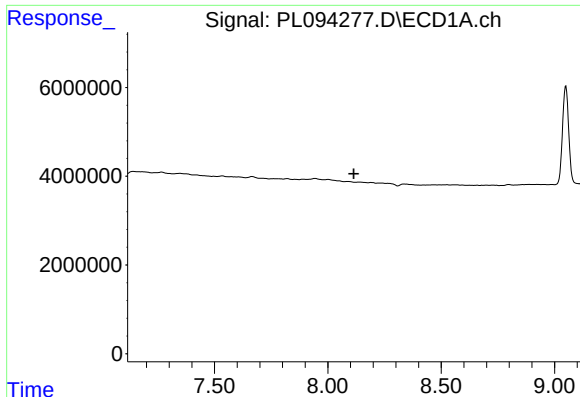
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.642 min
Response: 0
Conc: N.D.



#21 Endrin ketone

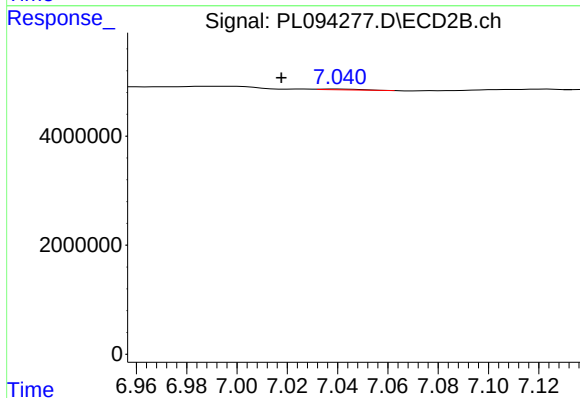
R.T.: 6.849 min
Delta R.T.: 0.010 min
Response: 9838
Conc: 0.00 ng/ml



#22 Mirex

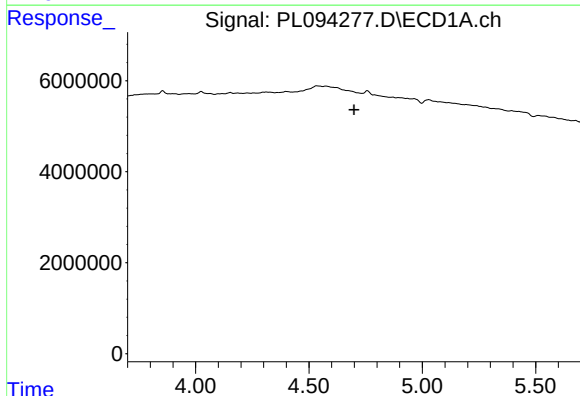
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



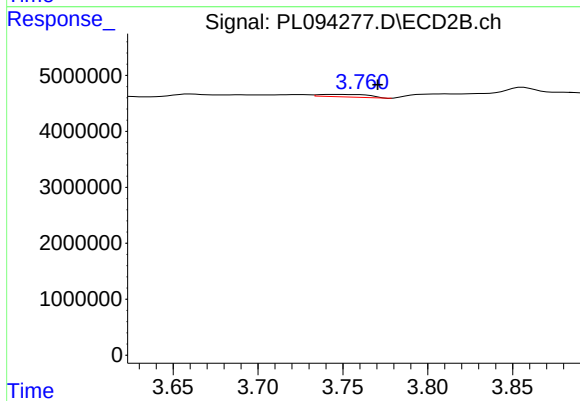
#22 Mirex

R.T.: 7.040 min
Delta R.T.: 0.023 min
Response: 111565
Conc: 0.03 ng/ml



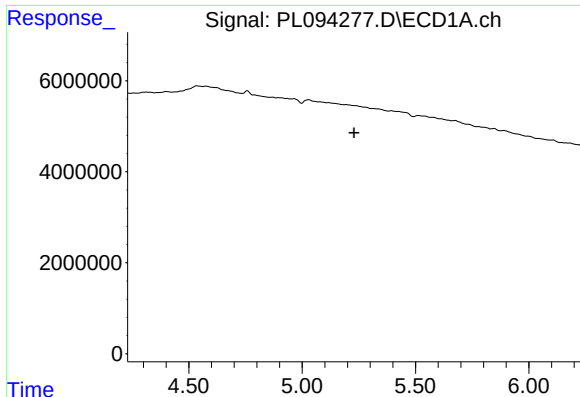
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

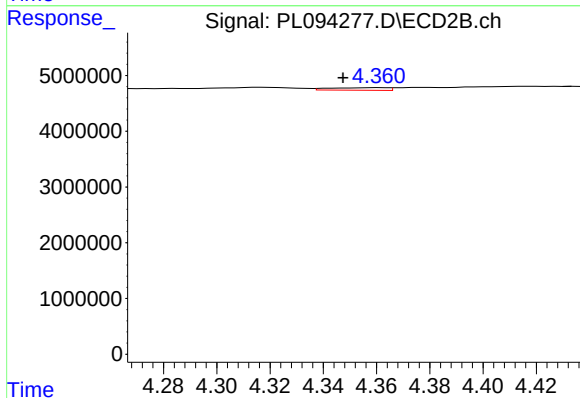
R.T.: 3.745 min
Delta R.T.: -0.026 min
Response: 925672
Conc: 7.42 ng/ml



#24 Chlordane-2

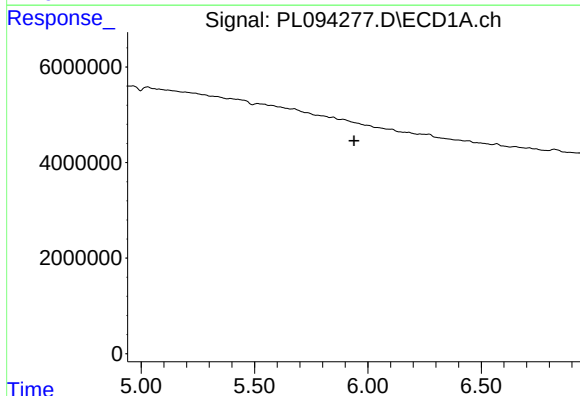
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



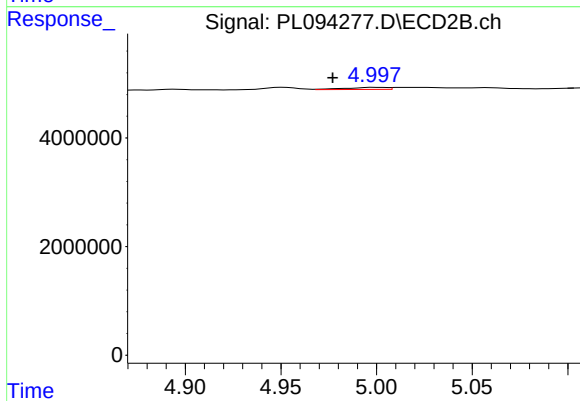
#24 Chlordane-2

R.T.: 4.361 min
Delta R.T.: 0.013 min
Response: 690773
Conc: 4.71 ng/ml



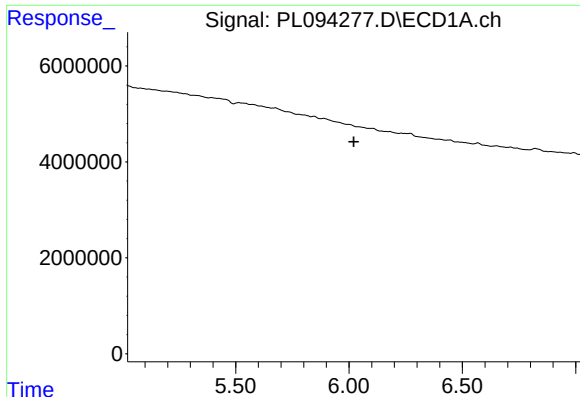
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

R.T.: 4.999 min
Delta R.T.: 0.022 min
Response: 600164
Conc: 1.38 ng/ml



#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725

#26 Chlordane-4

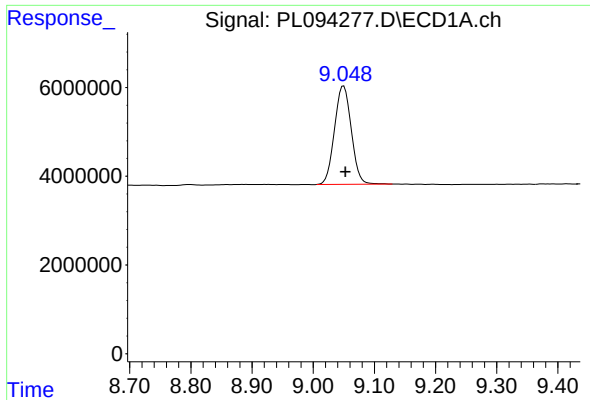
R.T.: 5.024 min
Delta R.T.: -0.015 min
Response: 657337
Conc: 1.55 ng/ml

#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

#27 Chlordane-5

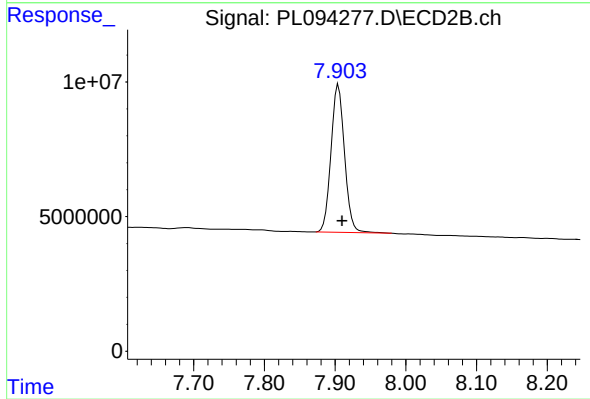
R.T.: 5.915 min
Delta R.T.: -0.020 min
Response: 272338
Conc: 1.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 42420731
Conc: 20.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-08-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 72913446
Conc: 20.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:21
 Operator : AR\AJ
 Sample : Q1382-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-09-021725

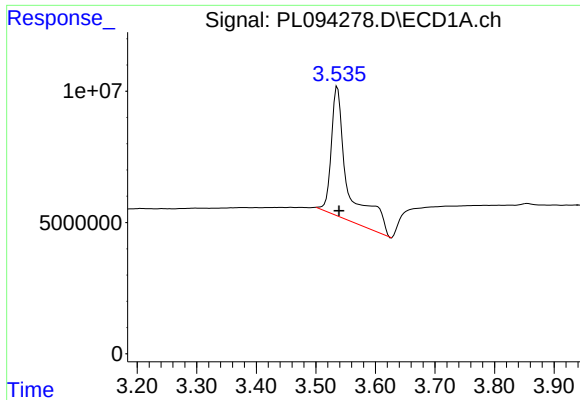
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	96405117	72399450	35.802	22.180 #
28)	SA Decachlor...	9.049	7.905	43379886	76901391	20.737	21.946
Target Compounds							
2)	A alpha-BHC	0.000	3.262	0	324021	N.D.	0.066 #
3)	MA gamma-BHC...	0.000	3.619	0	166203	N.D.	0.035 #
4)	MA Heptachlor	0.000	3.941	0	429805	N.D.	0.092 #
5)	MB Aldrin	0.000	4.244f	0	509853	N.D.	0.112 #
6)	B beta-BHC	0.000	3.885f	0	1075979	N.D.	0.539 #
7)	B delta-BHC	0.000	4.116f	0	303069	N.D.	0.064 #
8)	B Heptachlo...	0.000	4.722	0	31944	N.D.	0.008 #
10)	B gamma-Chl...	0.000	4.952f	0	1115106	N.D.	0.263 #
11)	B alpha-Chl...	0.000	5.056f	0	332716	N.D.	0.079 #
13)	MA Dieldrin	0.000	5.358	0	1481771	N.D.	0.345 #
15)	B Endosulfa...	0.000	5.916f	0	292830	N.D.	0.079 #
17)	MA 4,4'-DDT	0.000	6.027	0	1652944	N.D.	0.508 #
18)	B Endrin al...	0.000	6.128f	0	183698	N.D.	0.060 #
19)	B Endosulfa...	0.000	6.318	0	129159	N.D.	0.036 #
20)	A Methoxychlor	0.000	6.579f	0	228104	N.D.	0.128 #
21)	B Endrin ke...	0.000	6.841	0	12236	N.D.	0.003 #
22)	Mirex	0.000	7.021	0	61359	N.D.	0.018 #
23)	Chlordane-1	0.000	3.759	0	545680	N.D.	4.373 #
24)	Chlordane-2	0.000	4.351	0	468060	N.D.	3.190 #
25)	Chlordane-3	0.000	4.952f	0	1115106	N.D.	2.565 #
26)	Chlordane-4	0.000	5.056	0	332716	N.D.	0.785 #
27)	Chlordane-5	0.000	5.916f	0	292830	N.D.	1.912 #

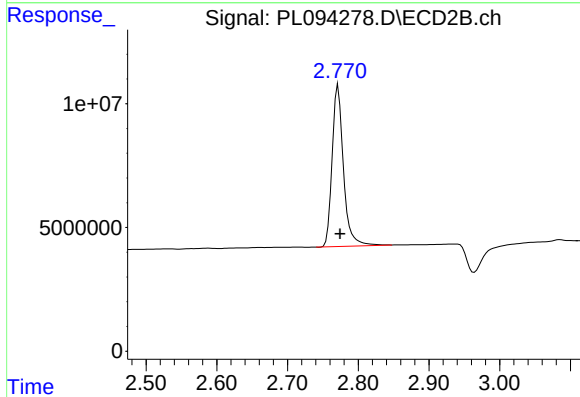
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

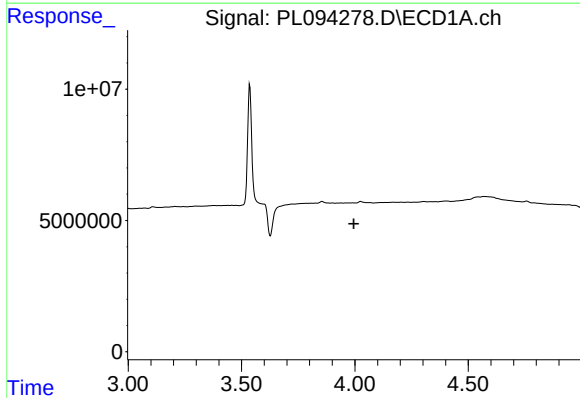
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 96405117
Conc: 35.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



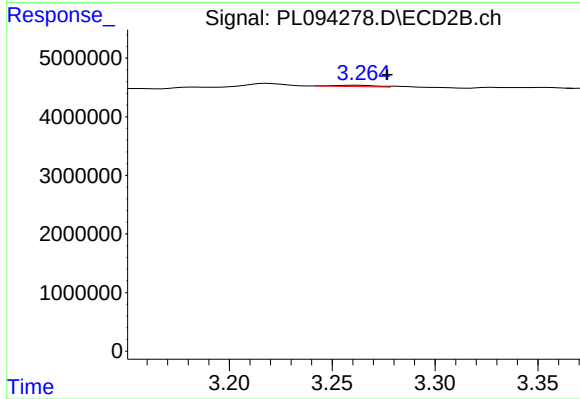
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 72399450
Conc: 22.18 ng/ml



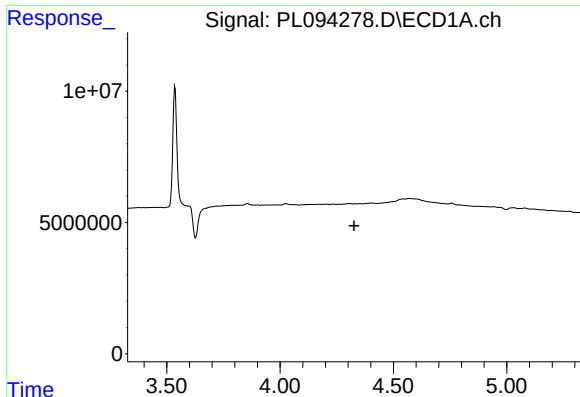
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

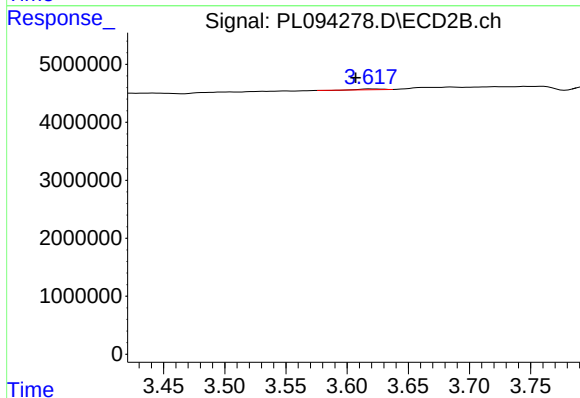
R.T.: 3.262 min
Delta R.T.: -0.015 min
Response: 324021
Conc: 0.07 ng/ml



#3 gamma-BHC (Lindane)

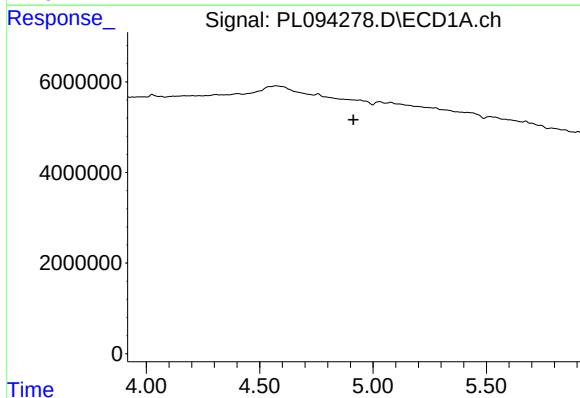
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



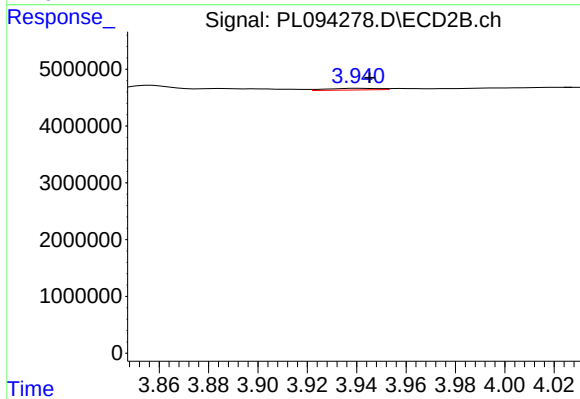
#3 gamma-BHC (Lindane)

R.T.: 3.619 min
Delta R.T.: 0.012 min
Response: 166203
Conc: 0.04 ng/ml



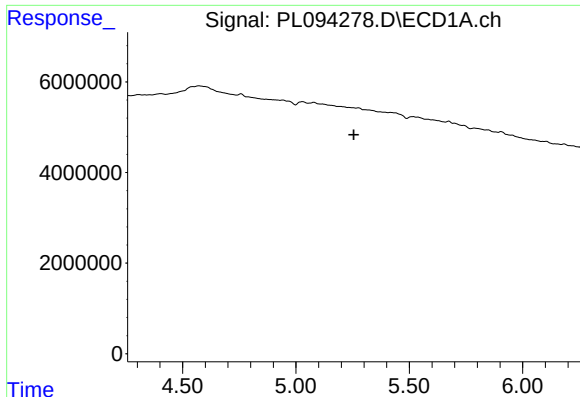
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

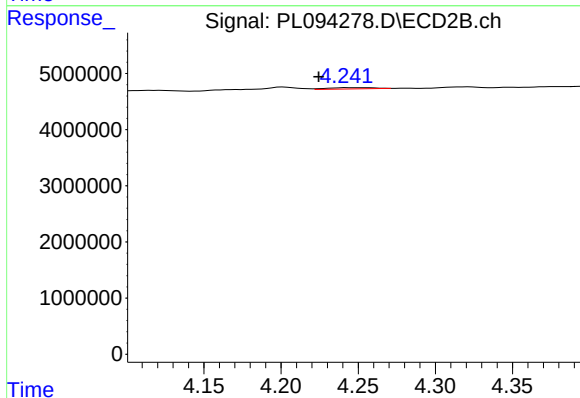
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 429805
Conc: 0.09 ng/ml



#5 Aldrin

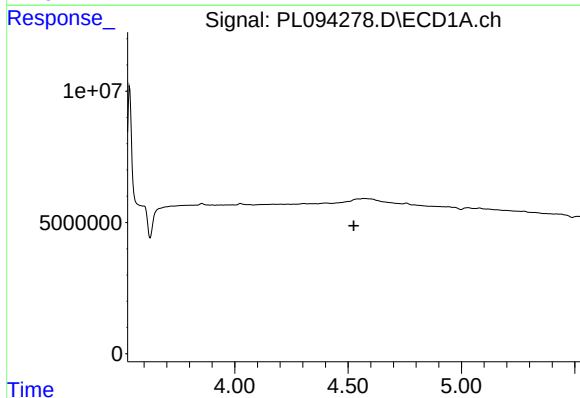
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



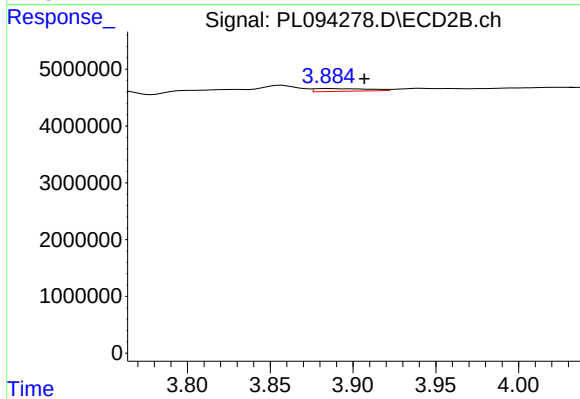
#5 Aldrin

R.T.: 4.244 min
Delta R.T.: 0.019 min
Response: 509853
Conc: 0.11 ng/ml



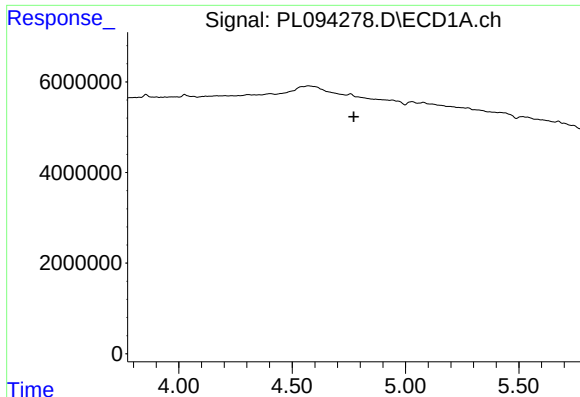
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

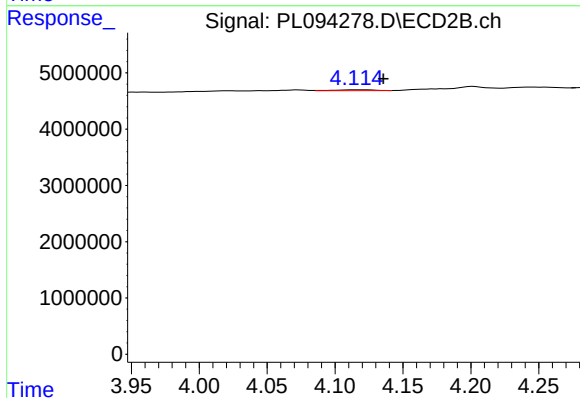
R.T.: 3.885 min
Delta R.T.: -0.022 min
Response: 1075979
Conc: 0.54 ng/ml



#7 delta-BHC

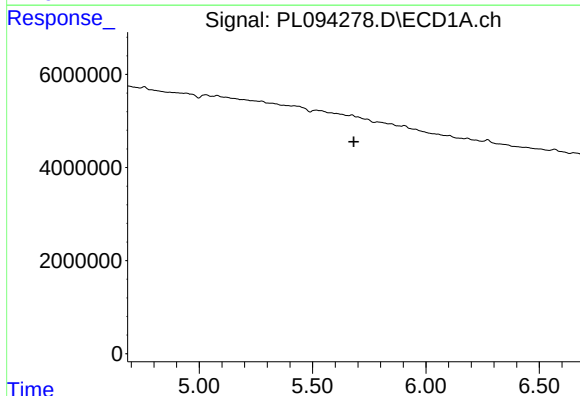
R.T.: 0.000 min
Exp R.T.: 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



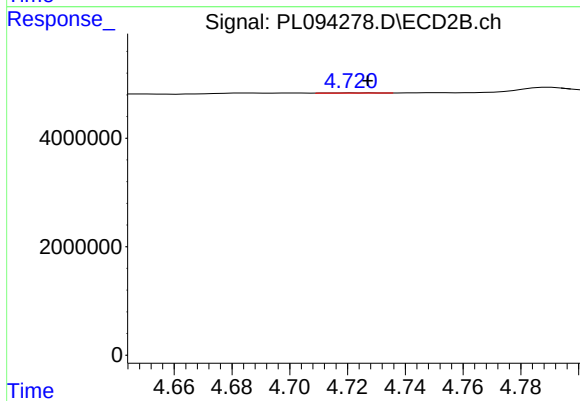
#7 delta-BHC

R.T.: 4.116 min
Delta R.T.: -0.020 min
Response: 303069
Conc: 0.06 ng/ml



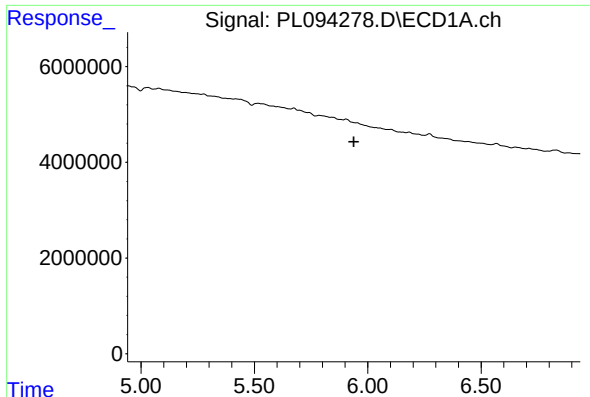
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

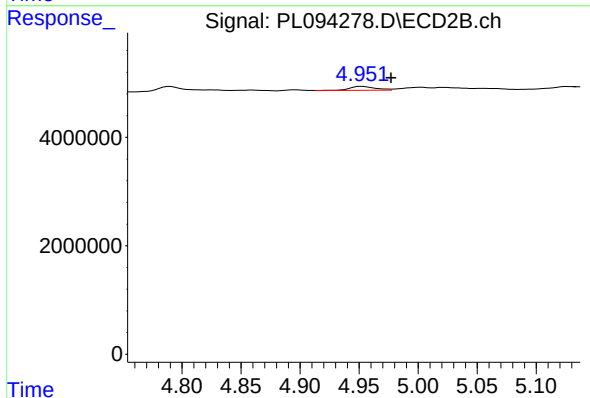
R.T.: 4.722 min
Delta R.T.: -0.005 min
Response: 31944
Conc: 0.01 ng/ml



#10 gamma-Chlordane

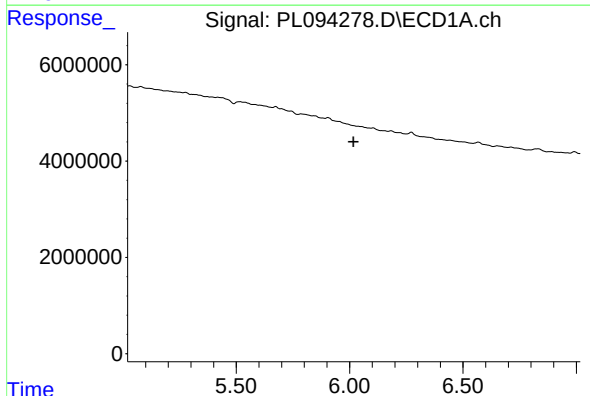
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



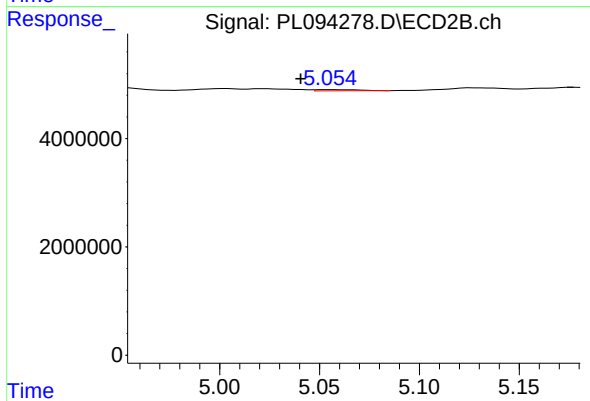
#10 gamma-Chlordane

R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 1115106
Conc: 0.26 ng/ml



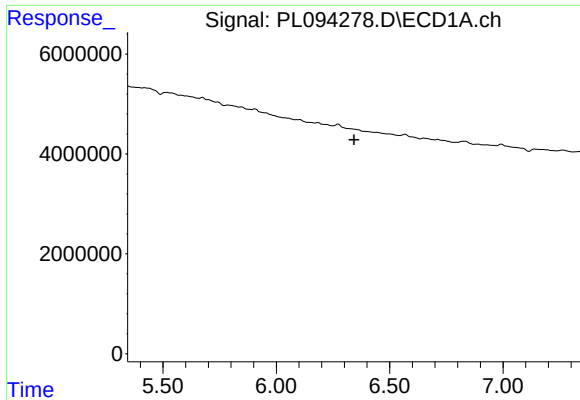
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

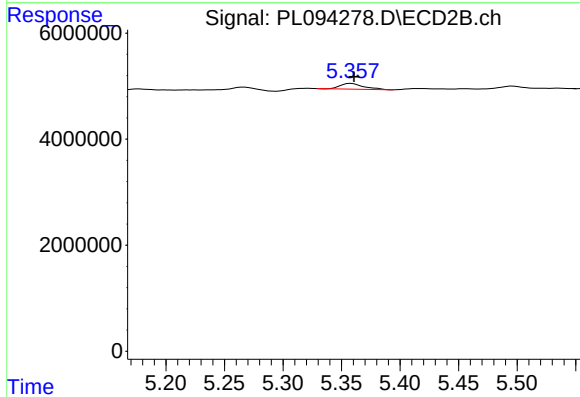
R.T.: 5.056 min
Delta R.T.: 0.015 min
Response: 332716
Conc: 0.08 ng/ml



#13 Dieldrin

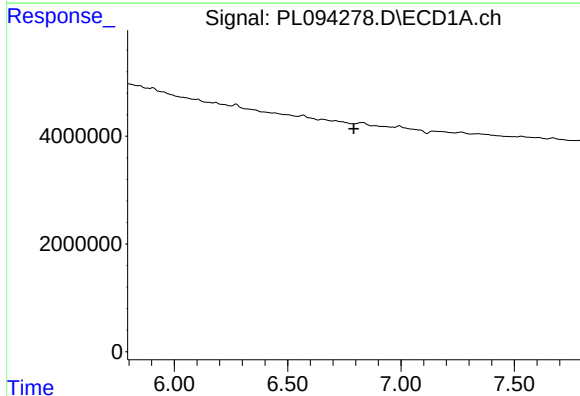
R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



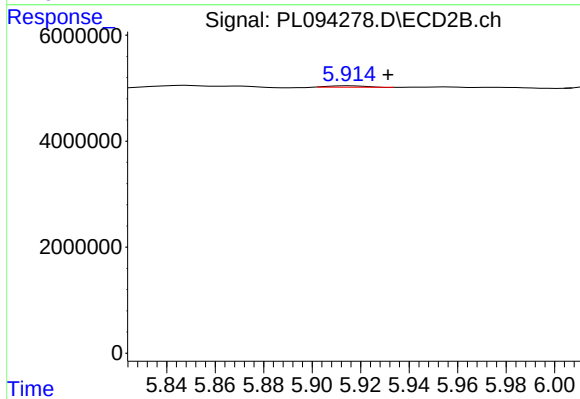
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.002 min
Response: 1481771
Conc: 0.34 ng/ml



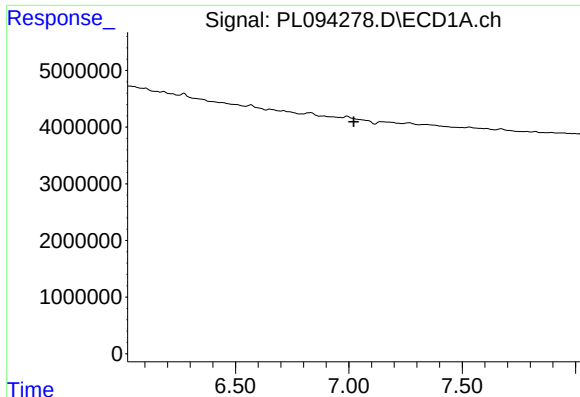
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

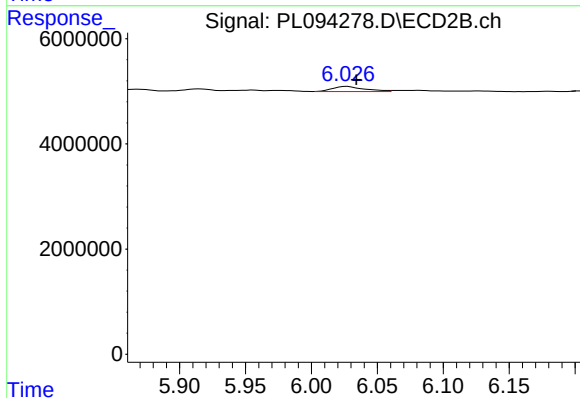
R.T.: 5.916 min
Delta R.T.: -0.016 min
Response: 292830
Conc: 0.08 ng/ml



#17 4,4'-DDT

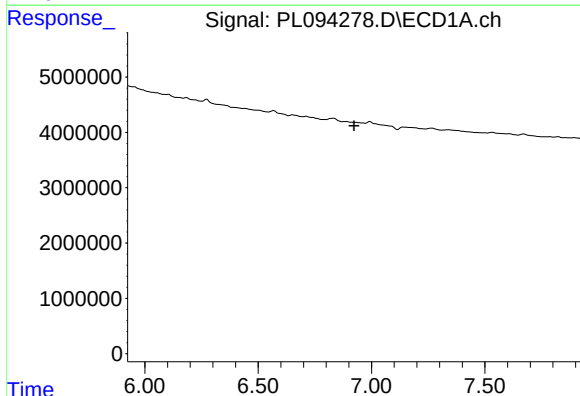
R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



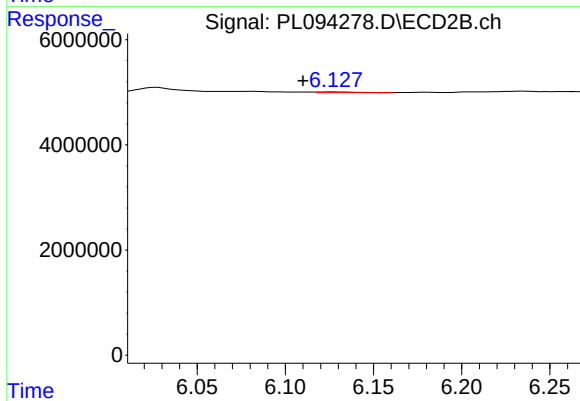
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.007 min
Response: 1652944
Conc: 0.51 ng/ml



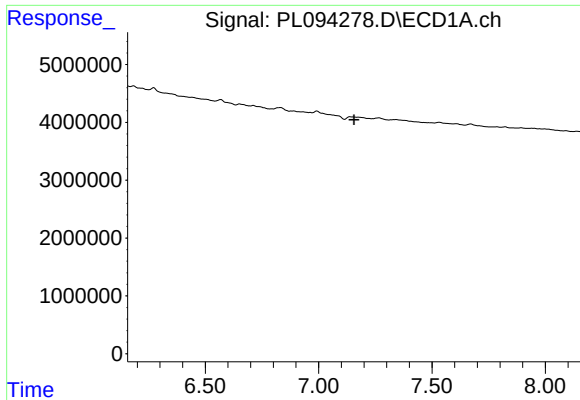
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

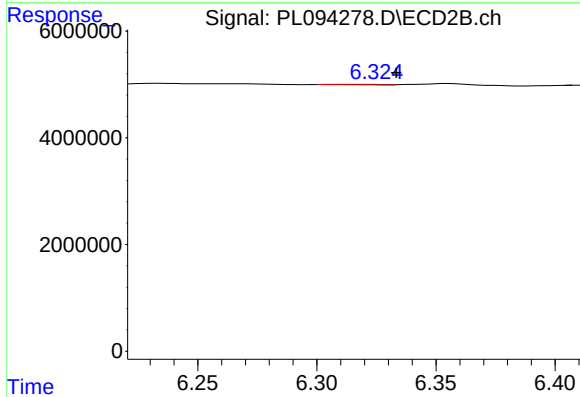
R.T.: 6.128 min
Delta R.T.: 0.018 min
Response: 183698
Conc: 0.06 ng/ml



#19 Endosulfan Sulfate

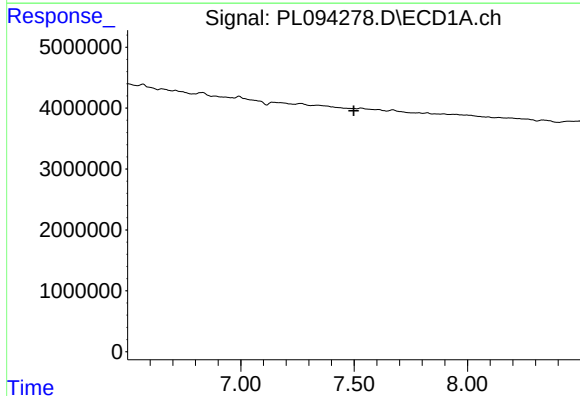
R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



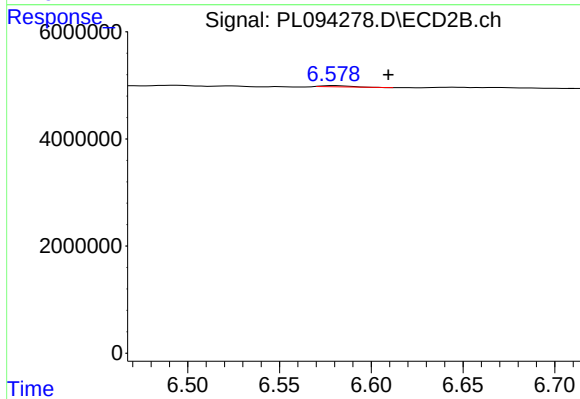
#19 Endosulfan Sulfate

R.T.: 6.318 min
Delta R.T.: -0.015 min
Response: 129159
Conc: 0.04 ng/ml



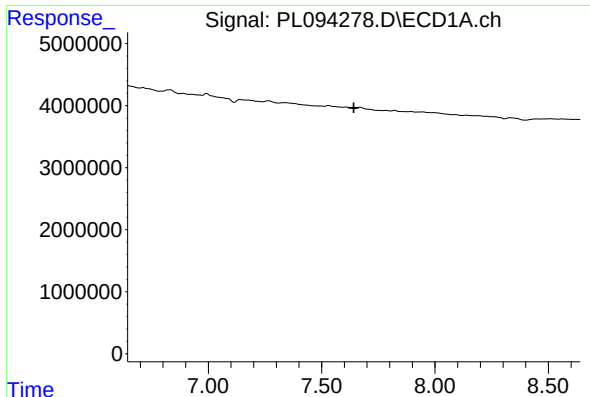
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.



#20 Methoxychlor

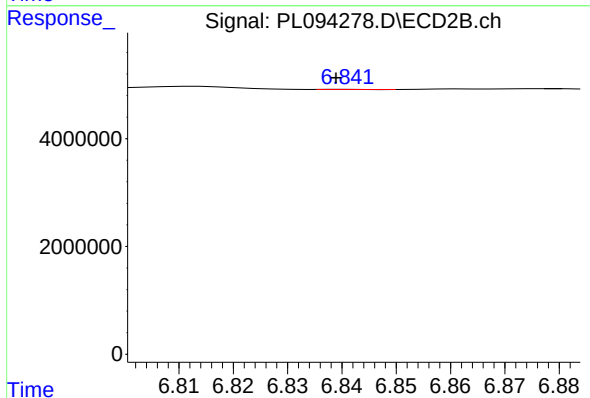
R.T.: 6.579 min
Delta R.T.: -0.030 min
Response: 228104
Conc: 0.13 ng/ml



#21 Endrin ketone

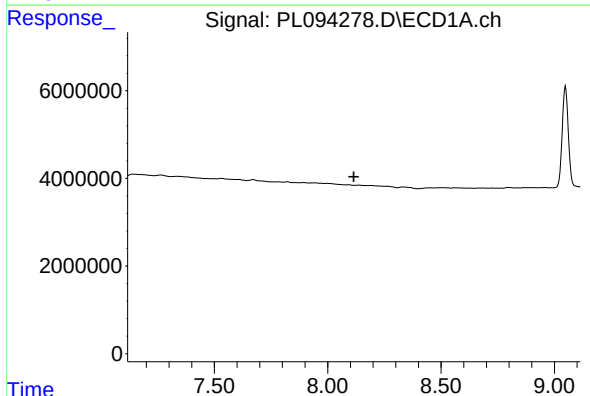
R.T.: 0.000 min
Exp R.T.: 7.642 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



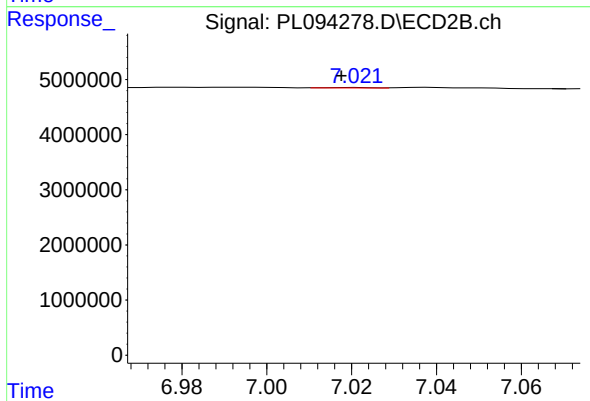
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 12236
Conc: 0.00 ng/ml



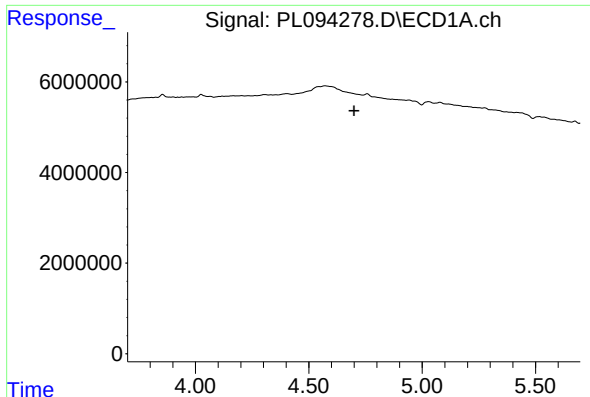
#22 Mirex

R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

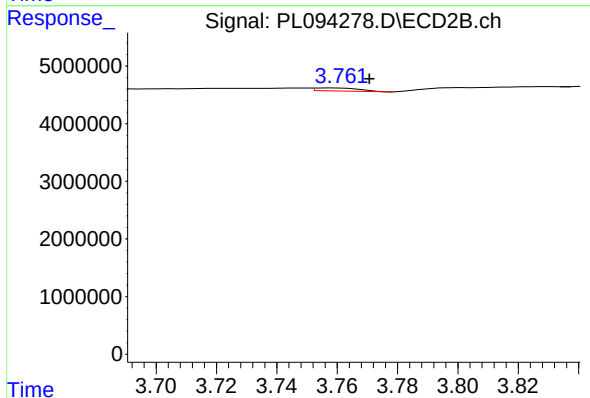
R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 61359
Conc: 0.02 ng/ml



#23 Chlordane-1

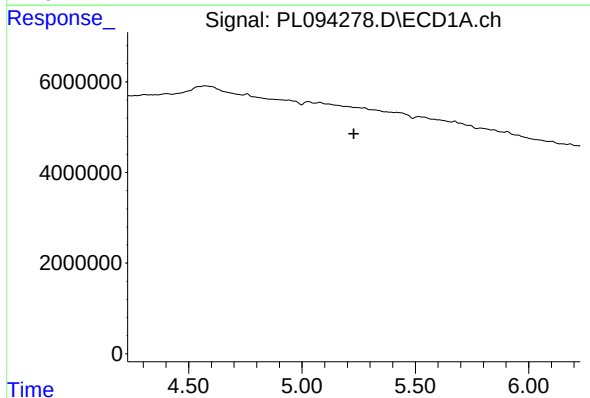
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



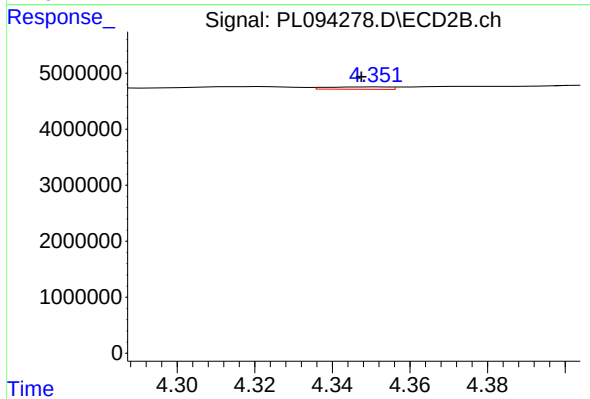
#23 Chlordane-1

R.T.: 3.759 min
Delta R.T.: -0.011 min
Response: 545680
Conc: 4.37 ng/ml



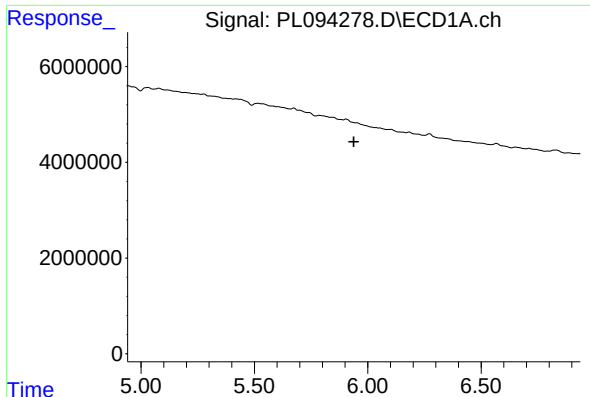
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

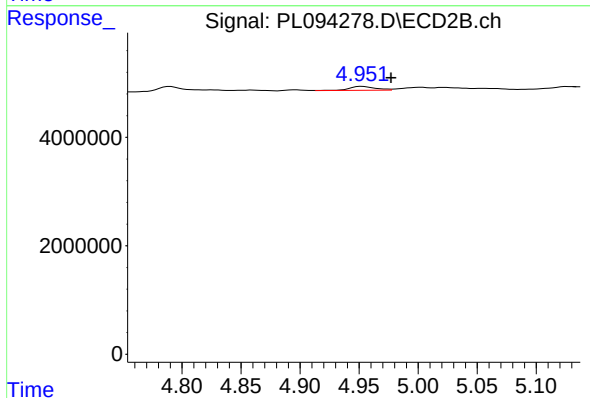
R.T.: 4.351 min
Delta R.T.: 0.003 min
Response: 468060
Conc: 3.19 ng/ml



#25 Chlordane-3

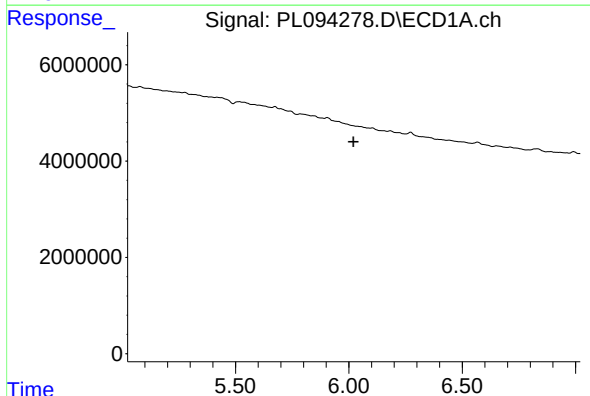
R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



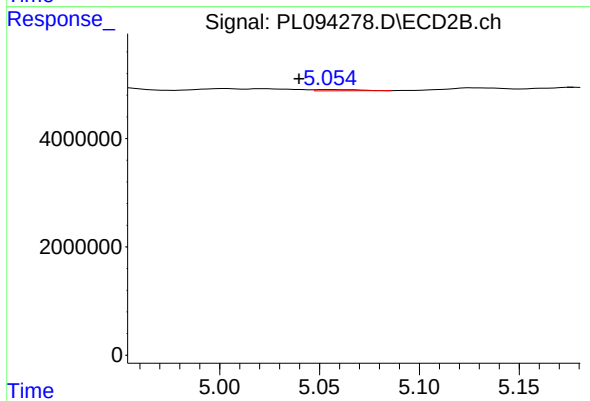
#25 Chlordane-3

R.T.: 4.952 min
Delta R.T.: -0.025 min
Response: 1115106
Conc: 2.56 ng/ml



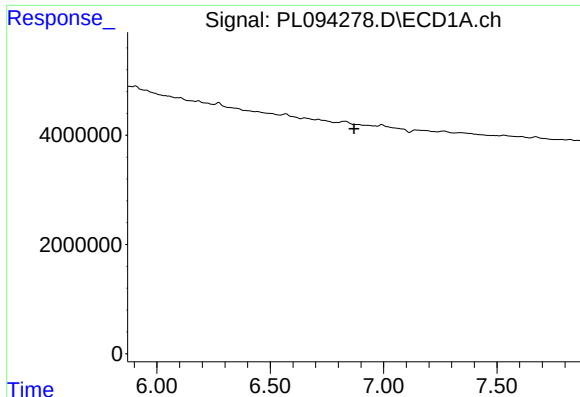
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

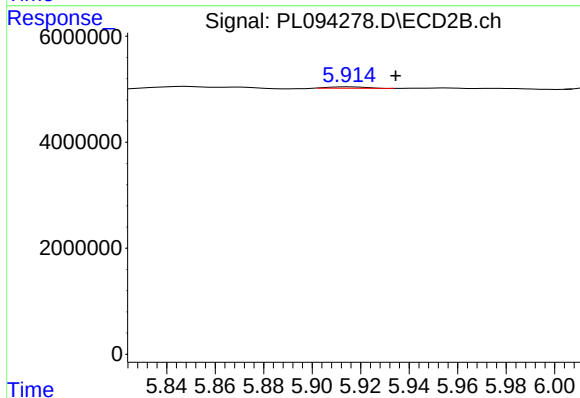
R.T.: 5.056 min
Delta R.T.: 0.016 min
Response: 332716
Conc: 0.79 ng/ml



#27 Chlordane-5

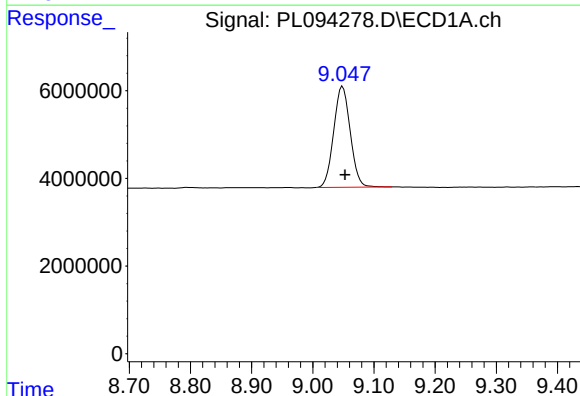
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-09-021725



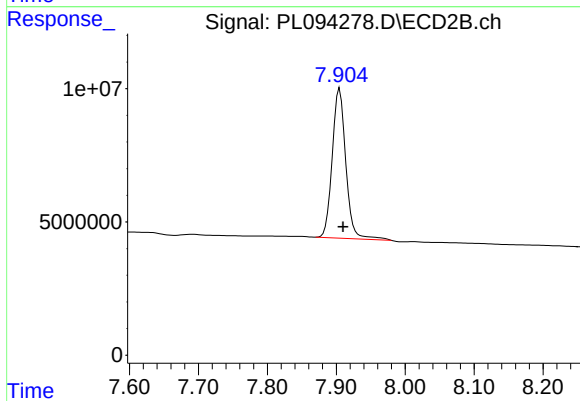
#27 Chlordane-5

R.T.: 5.916 min
Delta R.T.: -0.019 min
Response: 292830
Conc: 1.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 43379886
Conc: 20.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 76901391
Conc: 21.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094279.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 19:35
 Operator : AR\AJ
 Sample : Q1382-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-PCS-TC-10-021725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:16:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	104.3E6	80556391	38.744	24.679 #
2)	SA Decachlor...	9.050	7.905	50498119	87451354	24.140	24.957
Target Compounds							
2)	A alpha-BHC	0.000	3.264	0	458060	N.D.	0.094 #
3)	MA gamma-BHC...	0.000	3.622	0	264685	N.D.	0.056 #
4)	MA Heptachlor	0.000	3.940	0	169560	N.D.	0.036 #
5)	MB Aldrin	0.000	4.210	0	255509	N.D.	0.056 #
6)	B beta-BHC	0.000	3.908	0	214677	N.D.	0.107 #
7)	B delta-BHC	0.000	4.119f	0	280508	N.D.	0.059 #
8)	B Heptachlo...	0.000	4.732	0	15788	N.D.	0.004 #
10)	B gamma-Chl...	0.000	5.001f	0	888415	N.D.	0.210 #
11)	B alpha-Chl...	0.000	5.027	0	681388	N.D.	0.163 #
12)	B 4,4'-DDE	0.000	5.242	0	106059	N.D.	0.026 #
13)	MA Dieldrin	0.000	5.357	0	1038588	N.D.	0.242 #
15)	B Endosulfa...	0.000	5.915f	0	173115	N.D.	0.047 #
17)	MA 4,4'-DDT	0.000	6.027	0	1684268	N.D.	0.518 #
18)	B Endrin al...	0.000	6.126f	0	126722	N.D.	0.042 #
19)	B Endosulfa...	0.000	6.319	0	36496	N.D.	0.010 #
20)	A Methoxychlor	0.000	6.580f	0	229347	N.D.	0.128 #
21)	B Endrin ke...	0.000	6.811f	0	239518	N.D.	0.057 #
22)	Mirex	0.000	7.030	0	311207	N.D.	0.092 #
23)	Chlordane-1	0.000	3.751f	0	546088	N.D.	4.376 #
24)	Chlordane-2	0.000	4.318f	0	684726	N.D.	4.667 #
25)	Chlordane-3	0.000	5.001f	0	888415	N.D.	2.043 #
26)	Chlordane-4	0.000	5.027	0	681388	N.D.	1.608 #
27)	Chlordane-5	0.000	5.915f	0	173115	N.D.	1.130 #

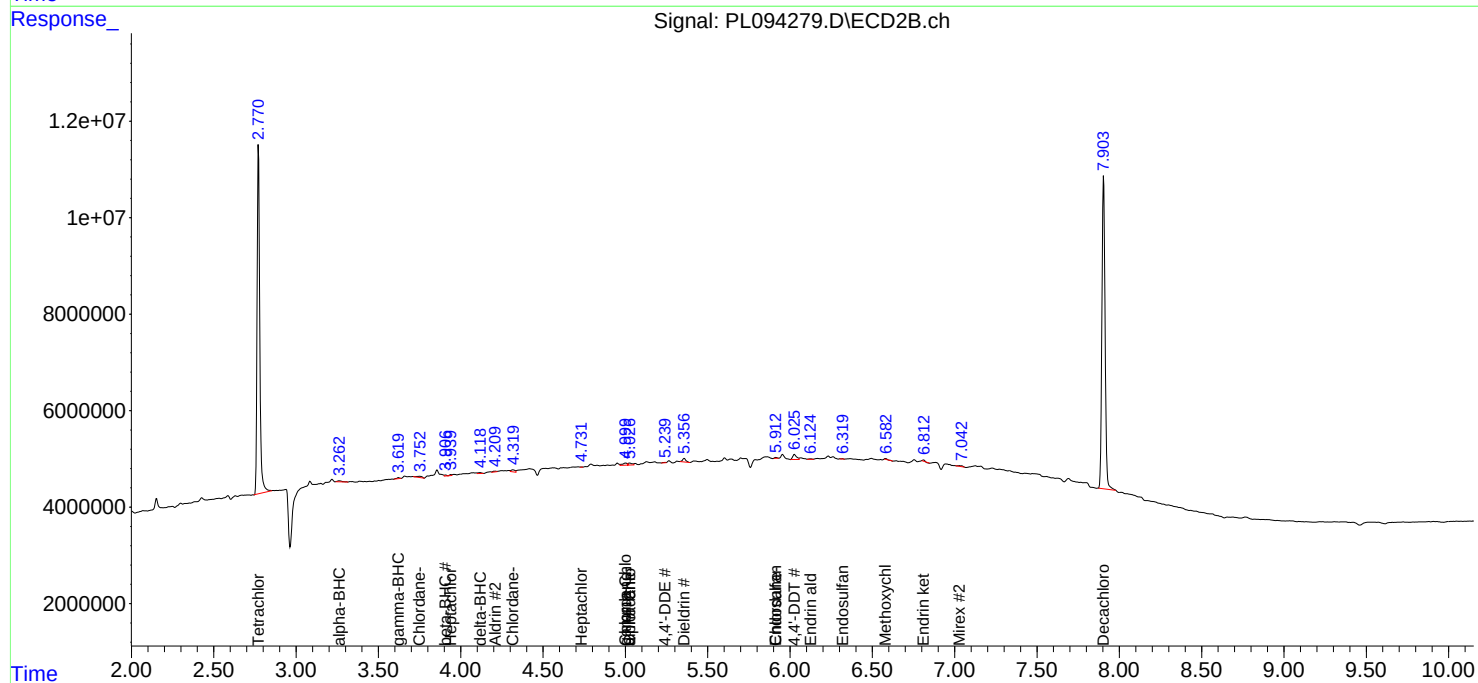
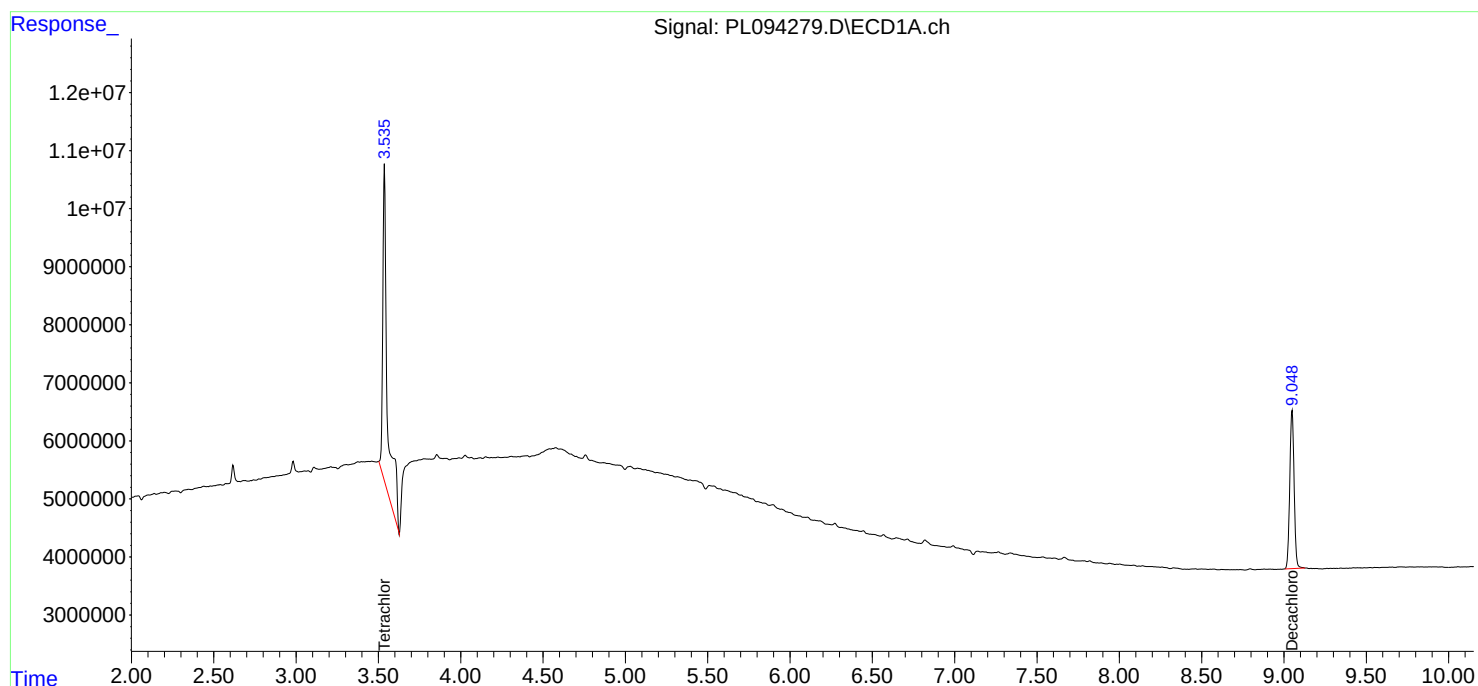
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

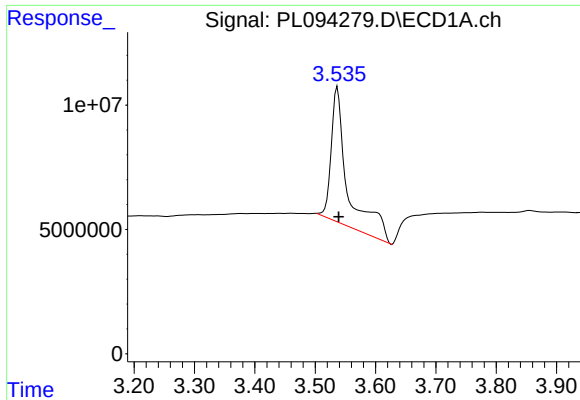
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094279.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 19:35
Operator : AR\AJ
Sample : Q1382-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:16:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

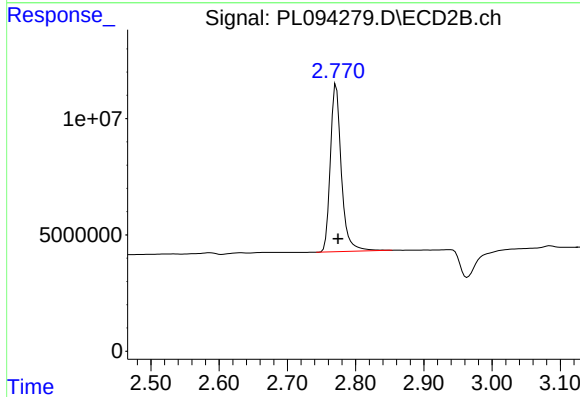




#1 Tetrachloro-m-xylene

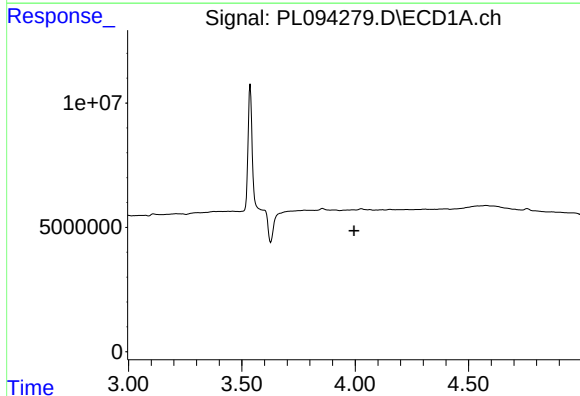
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 104328812
Conc: 38.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



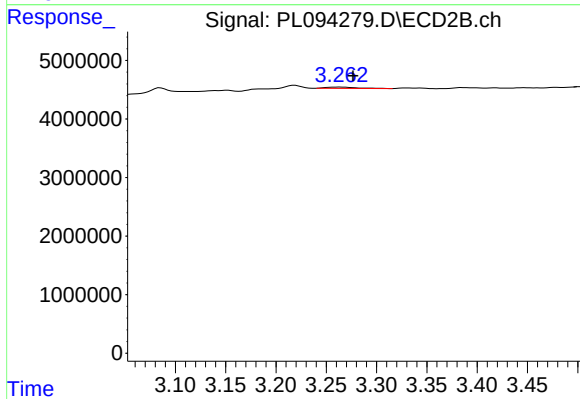
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 80556391
Conc: 24.68 ng/ml



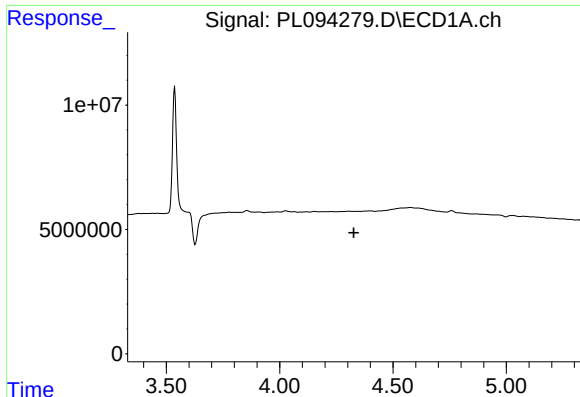
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

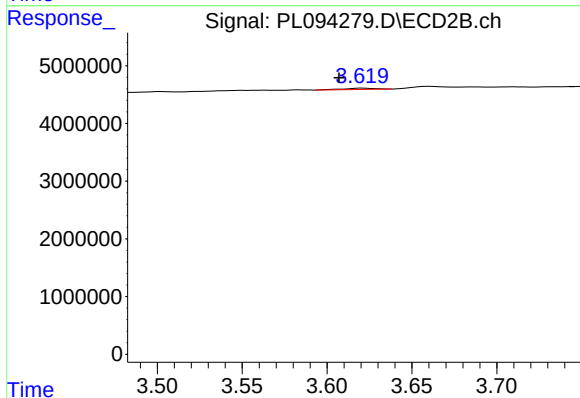
R.T.: 3.264 min
Delta R.T.: -0.013 min
Response: 458060
Conc: 0.09 ng/ml



#3 gamma-BHC (Lindane)

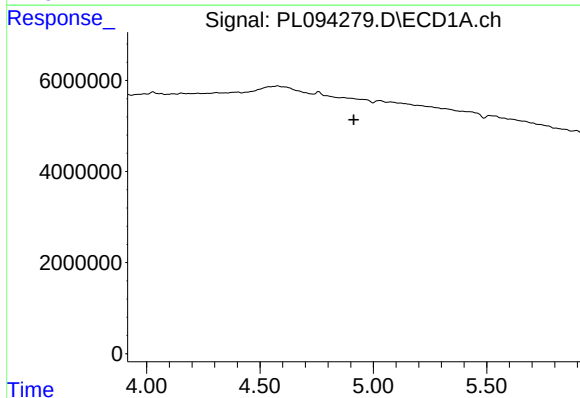
R.T.: 0.000 min
Exp R.T.: 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



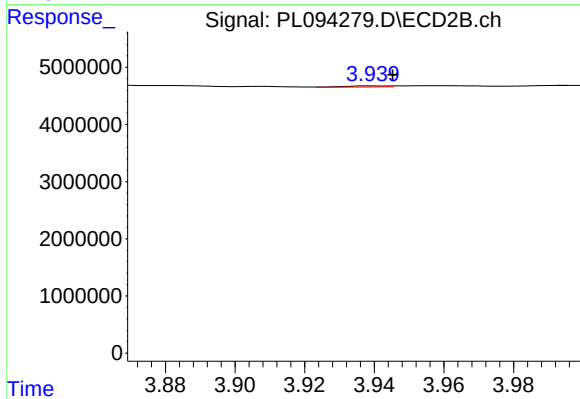
#3 gamma-BHC (Lindane)

R.T.: 3.622 min
Delta R.T.: 0.015 min
Response: 264685
Conc: 0.06 ng/ml



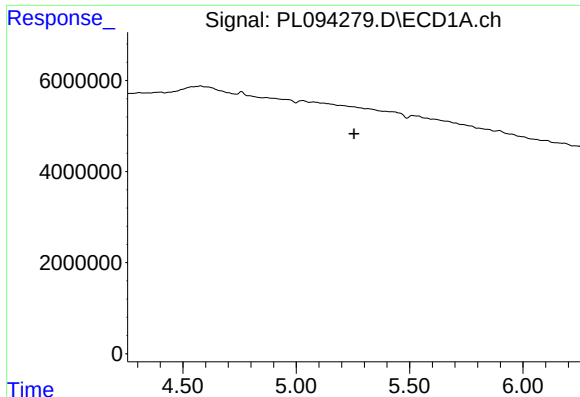
#4 Heptachlor

R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

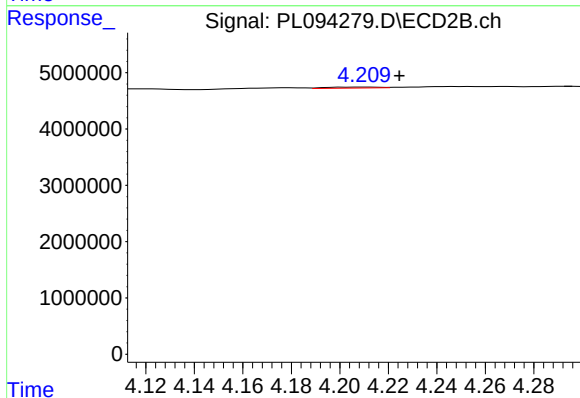
R.T.: 3.940 min
Delta R.T.: -0.005 min
Response: 169560
Conc: 0.04 ng/ml



#5 Aldrin

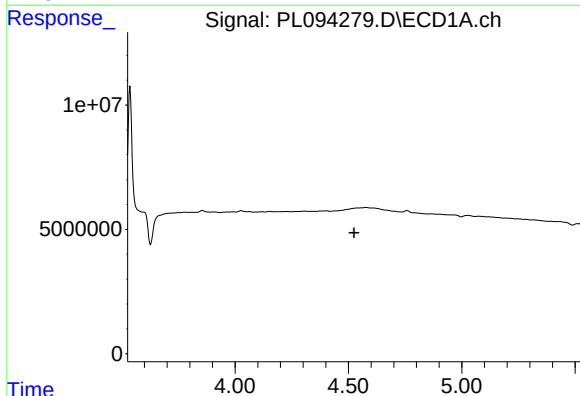
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



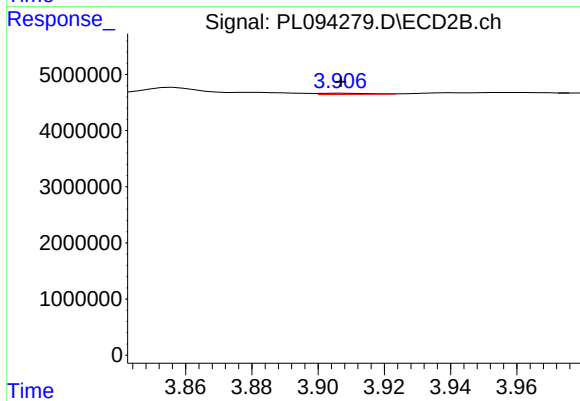
#5 Aldrin

R.T.: 4.210 min
Delta R.T.: -0.014 min
Response: 255509
Conc: 0.06 ng/ml



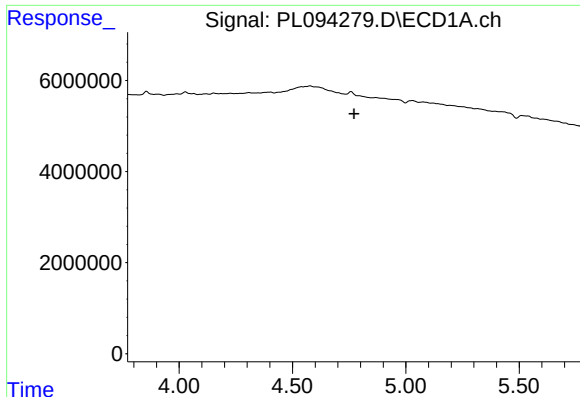
#6 beta-BHC

R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

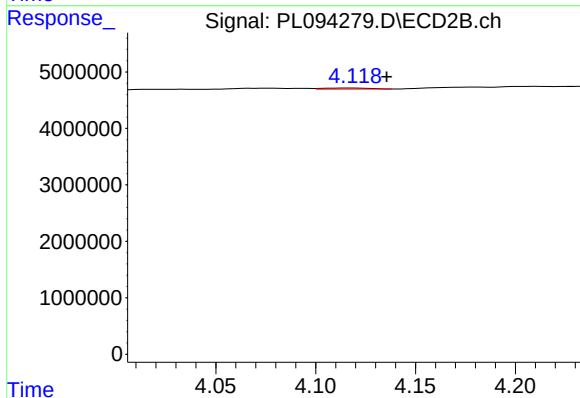
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 214677
Conc: 0.11 ng/ml



#7 delta-BHC

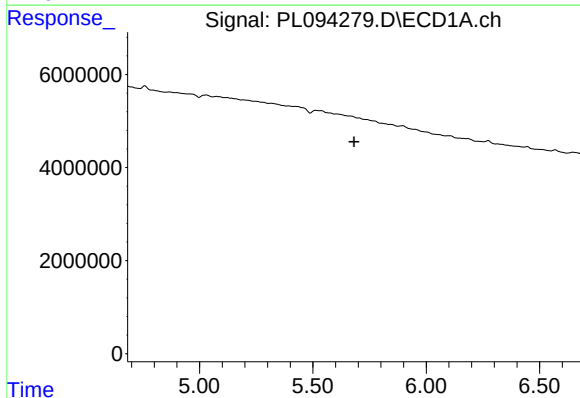
R.T.: 0.000 min
Exp R.T.: 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



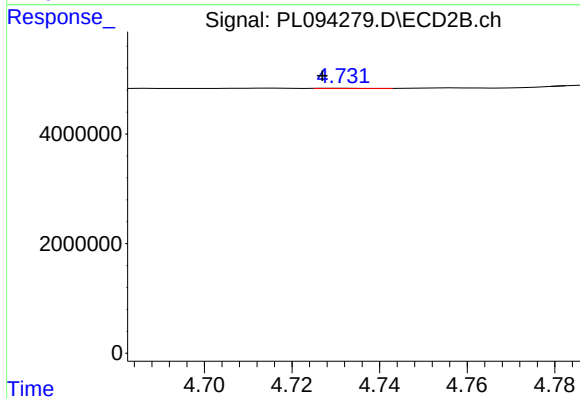
#7 delta-BHC

R.T.: 4.119 min
Delta R.T.: -0.016 min
Response: 280508
Conc: 0.06 ng/ml



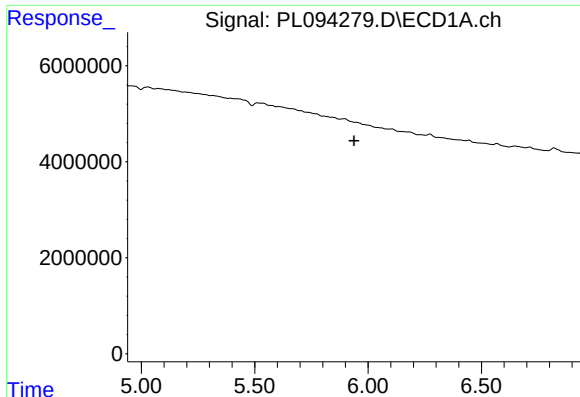
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

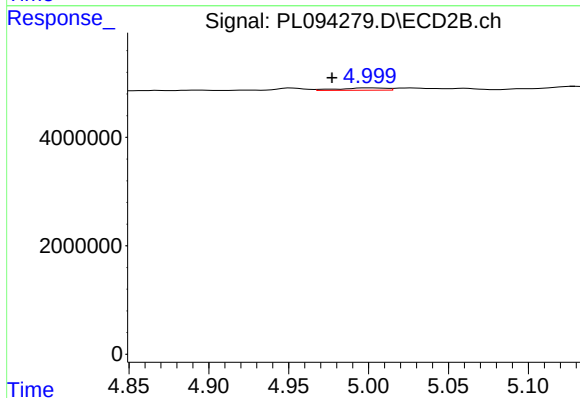
R.T.: 4.732 min
Delta R.T.: 0.005 min
Response: 15788
Conc: 0.00 ng/ml



#10 gamma-Chlordane

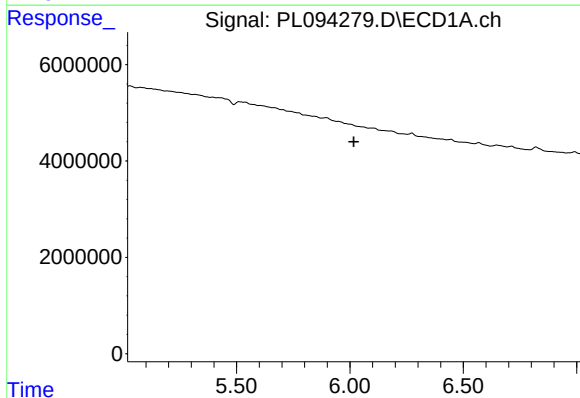
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



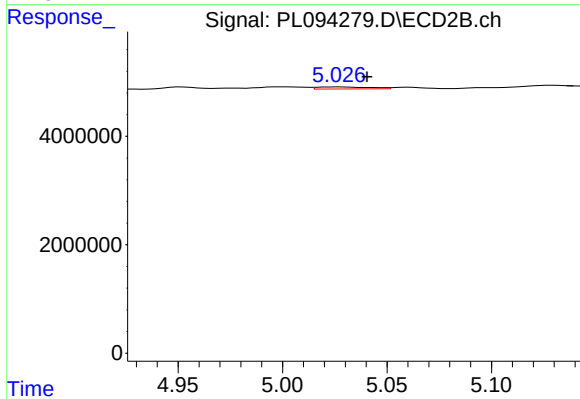
#10 gamma-Chlordane

R.T.: 5.001 min
Delta R.T.: 0.024 min
Response: 888415
Conc: 0.21 ng/ml



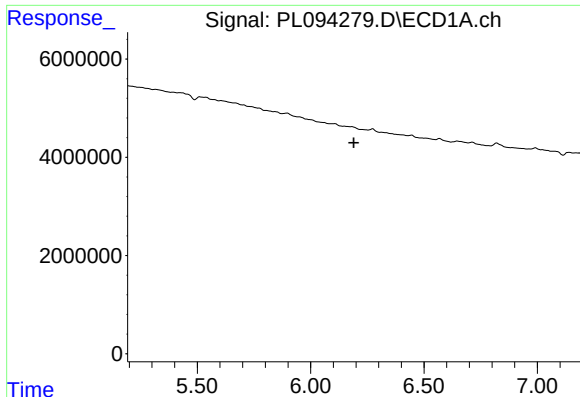
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

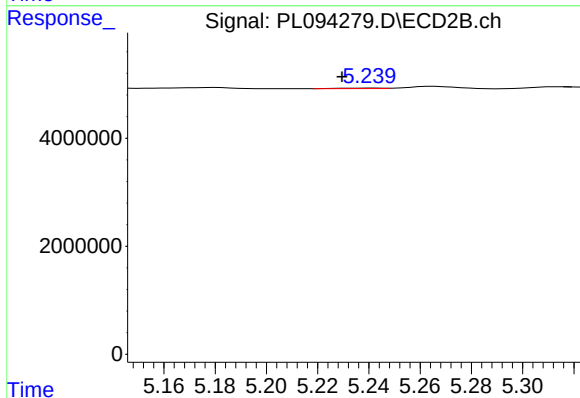
R.T.: 5.027 min
Delta R.T.: -0.013 min
Response: 681388
Conc: 0.16 ng/ml



#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725

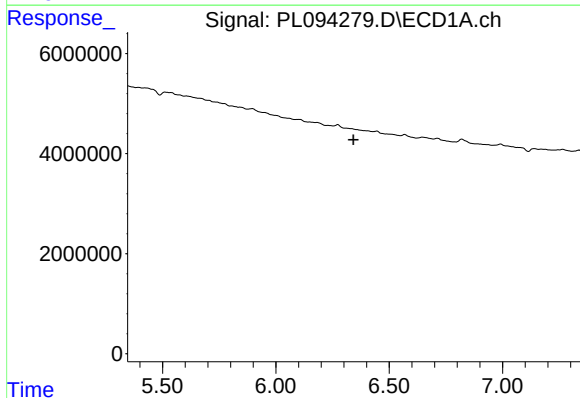


#12 4,4'-DDE

R.T.: 5.242 min
Delta R.T.: 0.012 min
Response: 106059
Conc: 0.03 ng/ml

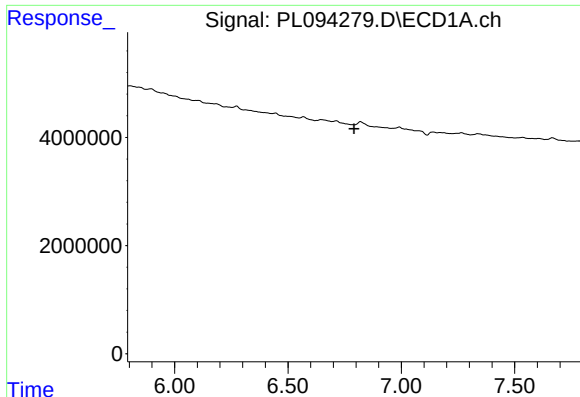
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

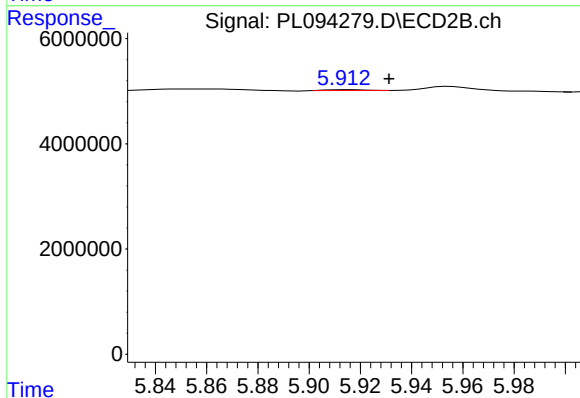
R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 1038588
Conc: 0.24 ng/ml



#15 Endosulfan II

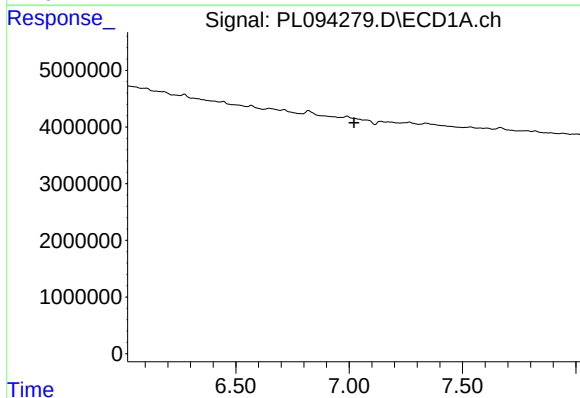
R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



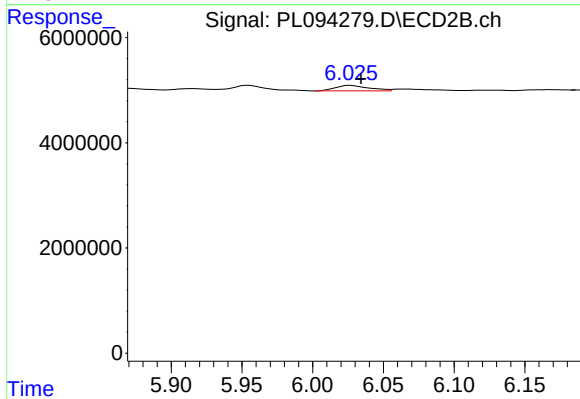
#15 Endosulfan II

R.T.: 5.915 min
Delta R.T.: -0.017 min
Response: 173115
Conc: 0.05 ng/ml



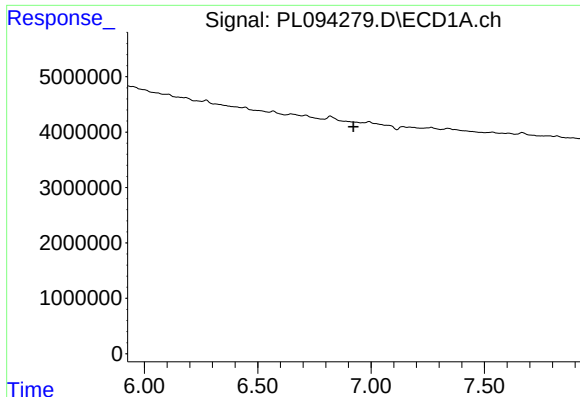
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

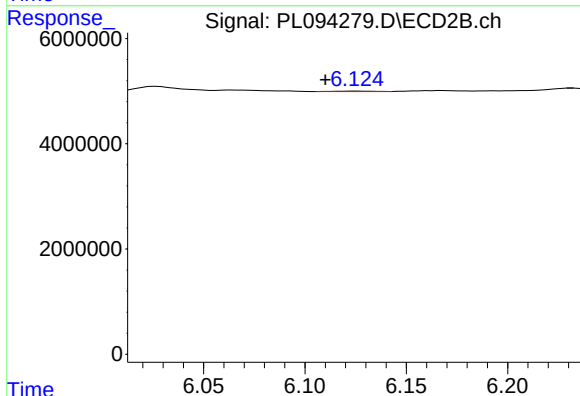
R.T.: 6.027 min
Delta R.T.: -0.007 min
Response: 1684268
Conc: 0.52 ng/ml



#18 Endrin aldehyde

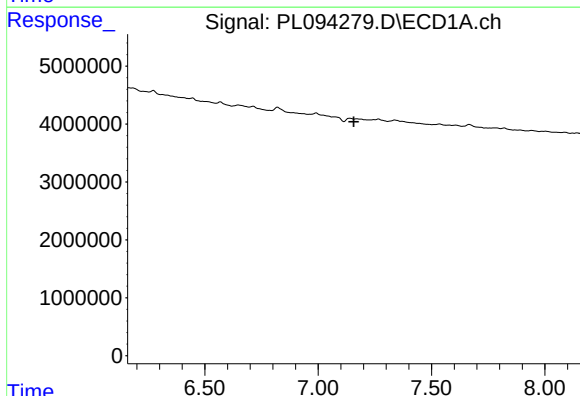
R.T.: 0.000 min
Exp R.T.: 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



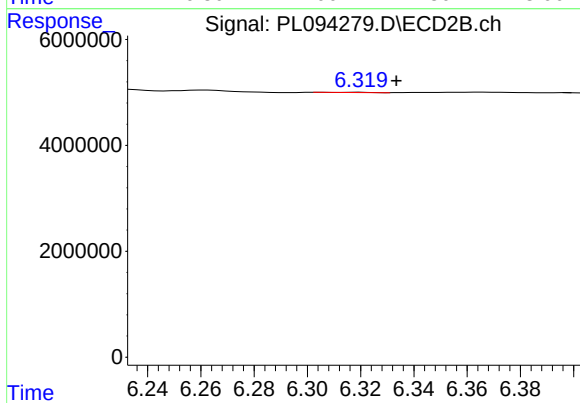
#18 Endrin aldehyde

R.T.: 6.126 min
Delta R.T.: 0.016 min
Response: 126722
Conc: 0.04 ng/ml



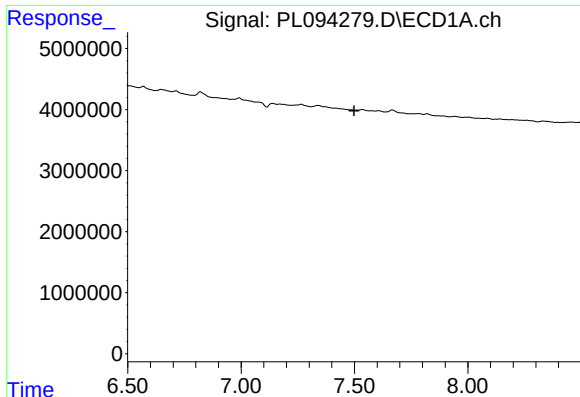
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

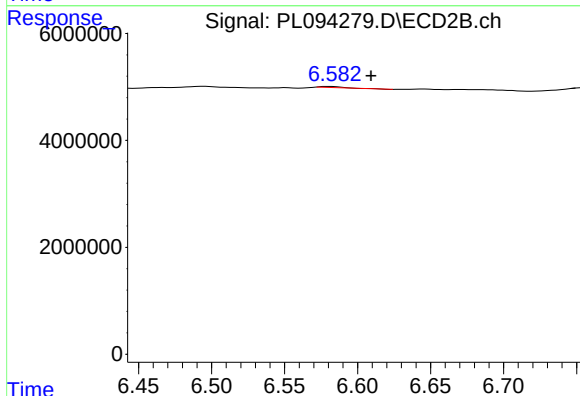
R.T.: 6.319 min
Delta R.T.: -0.014 min
Response: 36496
Conc: 0.01 ng/ml



#20 Methoxychlor

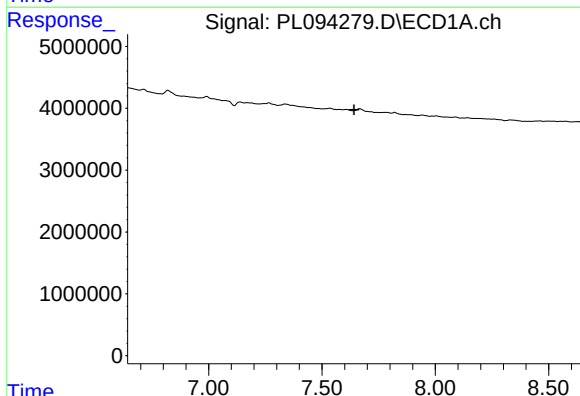
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



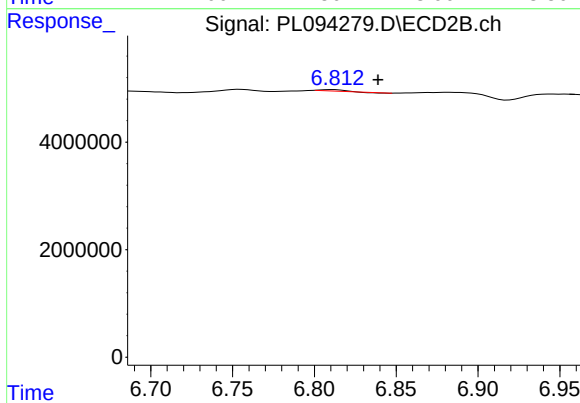
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.029 min
Response: 229347
Conc: 0.13 ng/ml



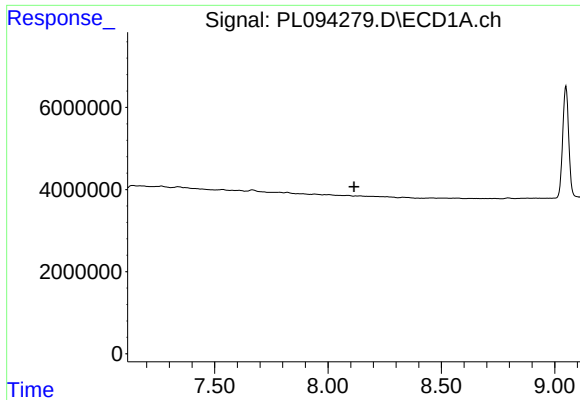
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.642 min
Response: 0
Conc: N.D.



#21 Endrin ketone

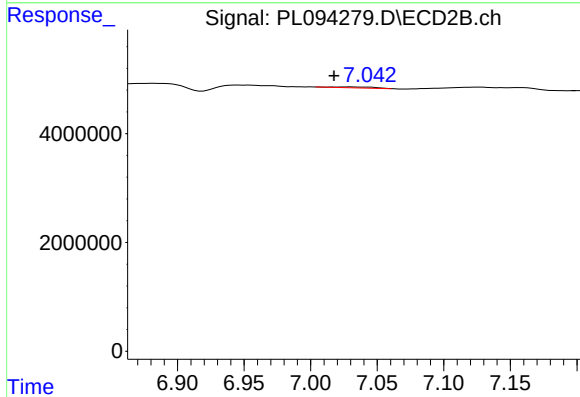
R.T.: 6.811 min
Delta R.T.: -0.027 min
Response: 239518
Conc: 0.06 ng/ml



#22 Mirex

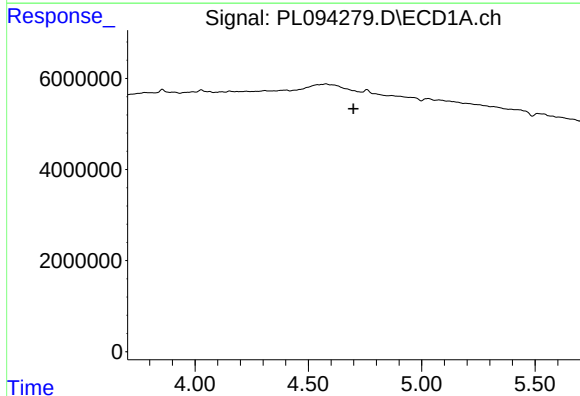
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



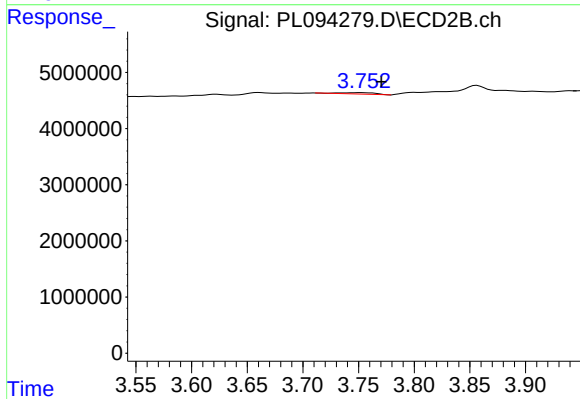
#22 Mirex

R.T.: 7.030 min
Delta R.T.: 0.013 min
Response: 311207
Conc: 0.09 ng/ml



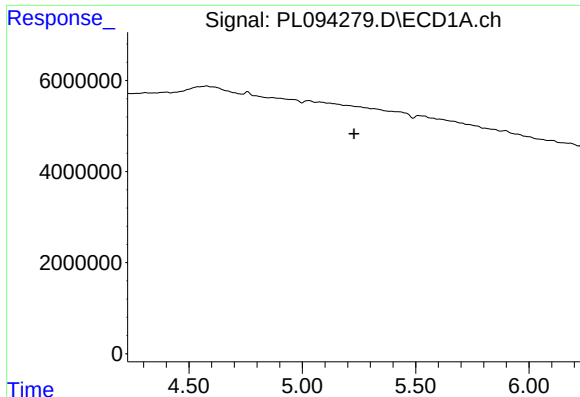
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

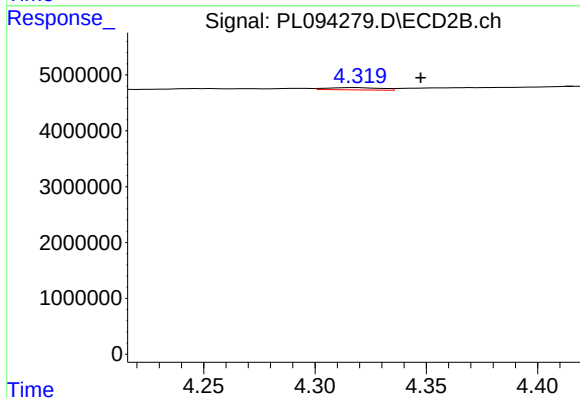
R.T.: 3.751 min
Delta R.T.: -0.020 min
Response: 546088
Conc: 4.38 ng/ml



#24 Chlordane-2

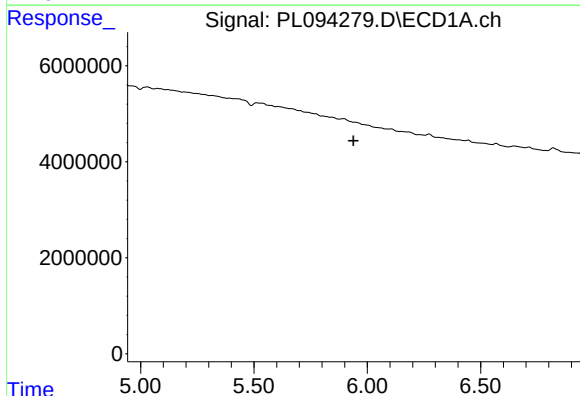
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



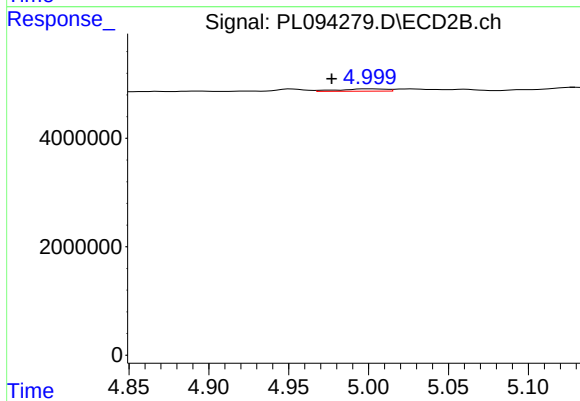
#24 Chlordane-2

R.T.: 4.318 min
Delta R.T.: -0.030 min
Response: 684726
Conc: 4.67 ng/ml



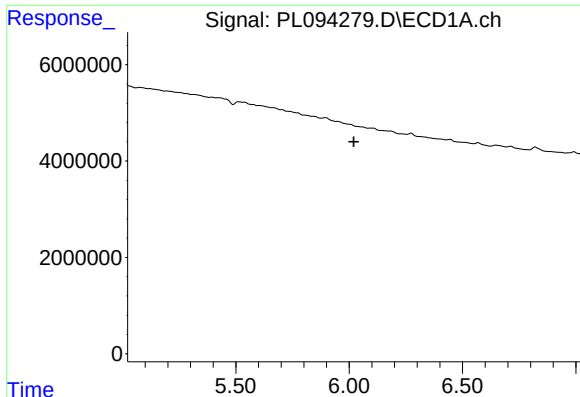
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

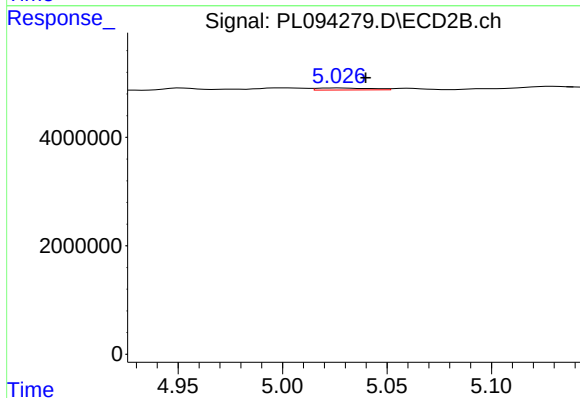
R.T.: 5.001 min
Delta R.T.: 0.024 min
Response: 888415
Conc: 2.04 ng/ml



#26 Chlordane-4

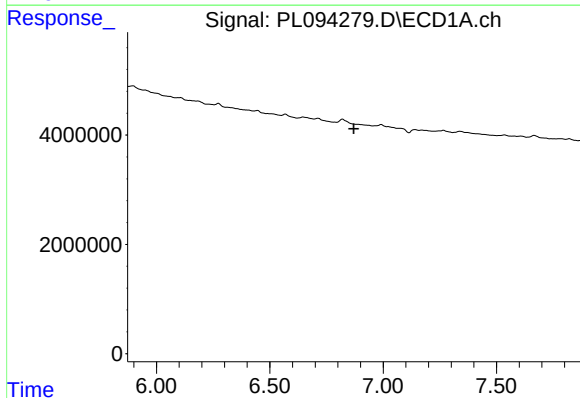
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



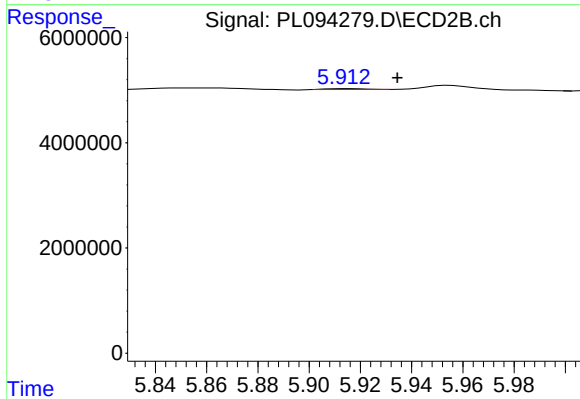
#26 Chlordane-4

R.T.: 5.027 min
Delta R.T.: -0.013 min
Response: 681388
Conc: 1.61 ng/ml



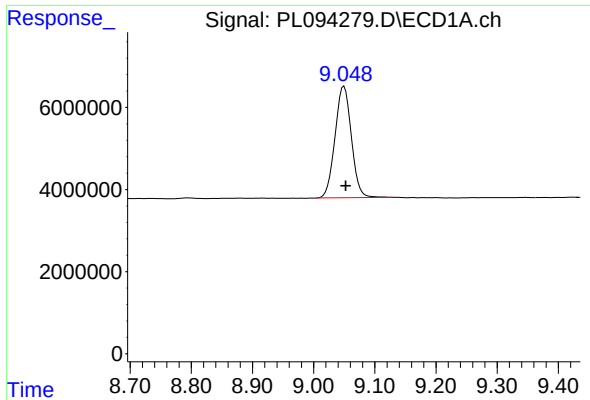
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

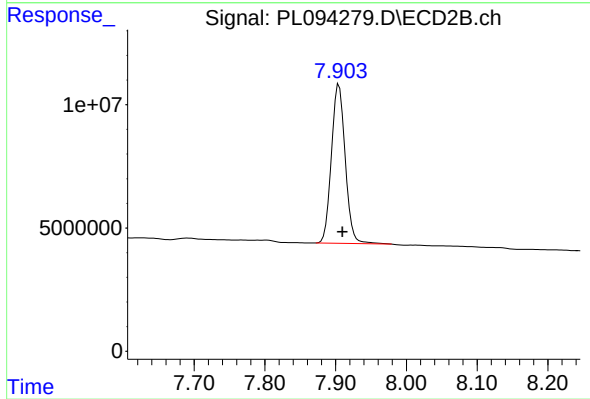
R.T.: 5.915 min
Delta R.T.: -0.020 min
Response: 173115
Conc: 1.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50498119
Conc: 24.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-10-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 87451354
Conc: 24.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
 Data File : PL094286.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Feb 2025 21:10
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 20 01:18:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	127.5E6	165.9E6	47.352	50.814
28)	SA Decachlor...	9.050	7.905	104.0E6	185.7E6	49.713	52.993
Target Compounds							
2)	A alpha-BHC	3.992	3.274	185.6E6	254.9E6	48.421	52.143
3)	MA gamma-BHC...	4.325	3.603	179.6E6	247.9E6	48.762	52.277
4)	MA Heptachlor	4.912	3.941	161.6E6	242.2E6	49.312	52.032
5)	MB Aldrin	5.254	4.220	164.2E6	240.8E6	50.195	52.788
6)	B beta-BHC	4.523	3.904	78410142	103.6E6	48.783	51.878
7)	B delta-BHC	4.770	4.132	173.9E6	249.6E6	49.599	52.528
8)	B Heptachlo...	5.680	4.723	147.2E6	221.0E6	49.508	52.873
9)	A Endosulfan I	6.066	5.092	131.3E6	202.5E6	49.681	52.227
10)	B gamma-Chl...	5.937	4.973	141.3E6	222.9E6	50.683	52.591
11)	B alpha-Chl...	6.015	5.036	140.2E6	220.2E6	50.279	52.597
12)	B 4,4'-DDE	6.189	5.225	129.7E6	216.8E6	53.291	54.064
13)	MA Dieldrin	6.340	5.357	137.5E6	223.1E6	49.518	51.941
14)	MA Endrin	6.571	5.632	113.6E6	191.5E6	48.447	51.846
15)	B Endosulfa...	6.791	5.927	117.5E6	196.4E6	48.774	53.028
16)	A 4,4'-DDD	6.706	5.780	99726881	175.8E6	52.472	55.682
17)	MA 4,4'-DDT	7.020	6.029	101.4E6	179.0E6	51.410	55.021
18)	B Endrin al...	6.921	6.106	95983181	158.6E6	49.373	52.108
19)	B Endosulfa...	7.155	6.329	109.3E6	185.8E6	48.290	52.108
20)	A Methoxychlor	7.496	6.605	55114463	97766290	52.822	54.675
21)	B Endrin ke...	7.640	6.834	124.5E6	224.2E6	49.366	53.449
22)	Mirex	8.112	7.014	98978888	176.5E6	47.529	52.177
23)	Chlordane-1	0.000	3.772	0	69109	N.D.	0.554 #
24)	Chlordane-2	5.254f	4.359	164.2E6	525823	1402.760	3.584 #
25)	Chlordane-3	5.937	4.973	141.3E6	222.9E6	360.147	512.529 #
26)	Chlordane-4	6.015	5.036	140.2E6	220.2E6	298.226	519.749 #
27)	Chlordane-5	0.000	5.927	0	196.4E6	N.D.	1282.328 #

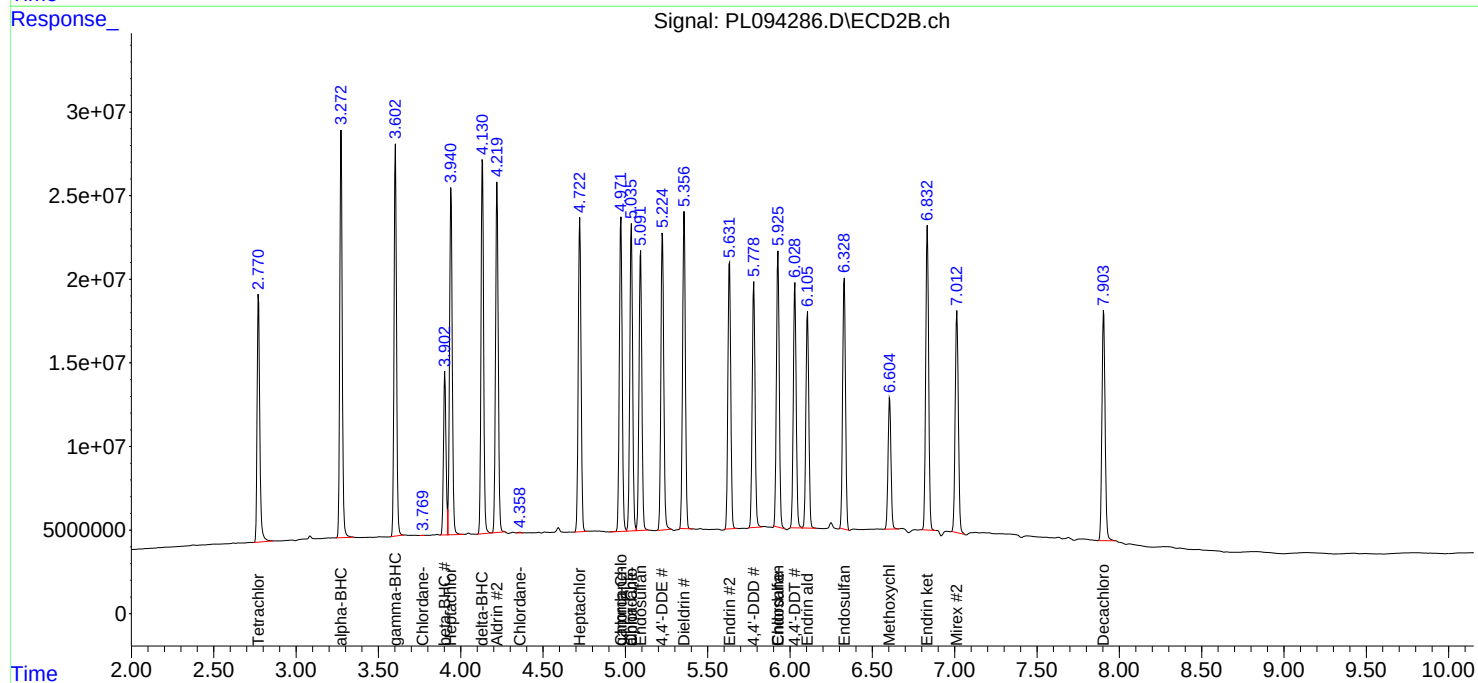
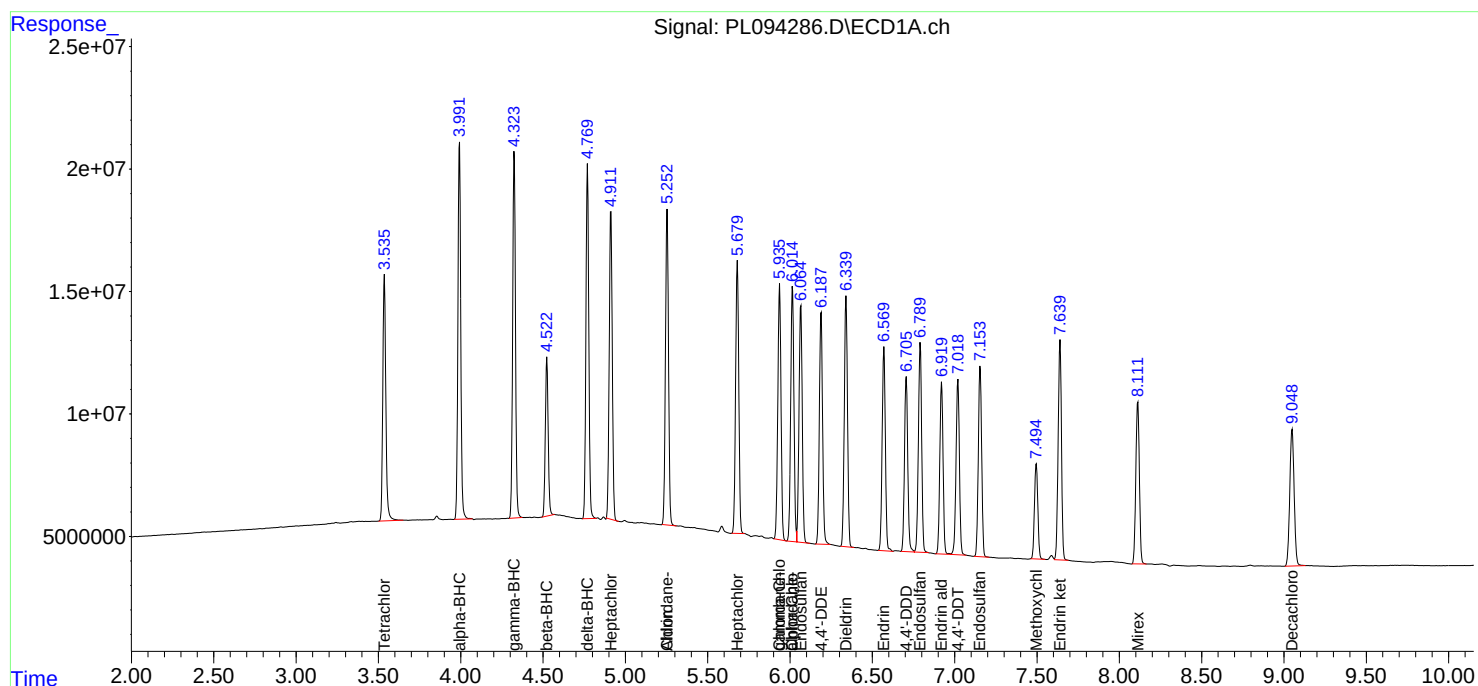
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

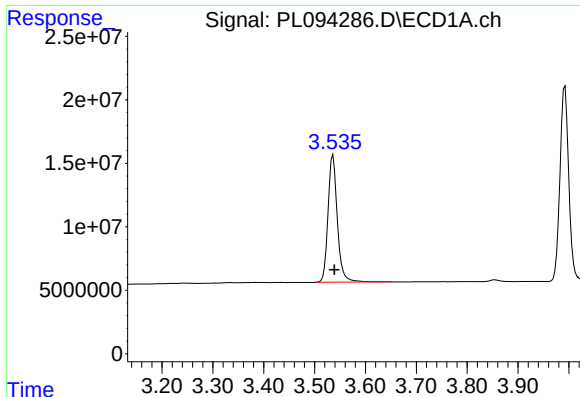
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

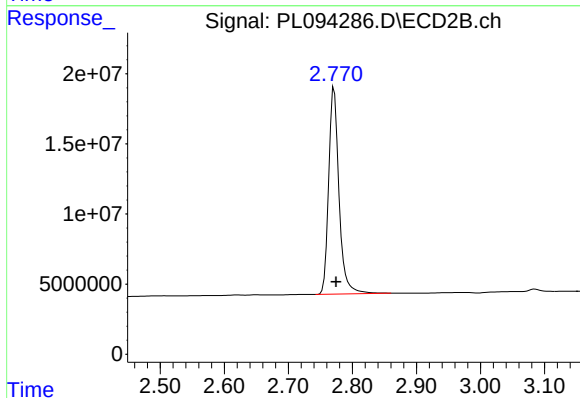




#1 Tetrachloro-m-xylene

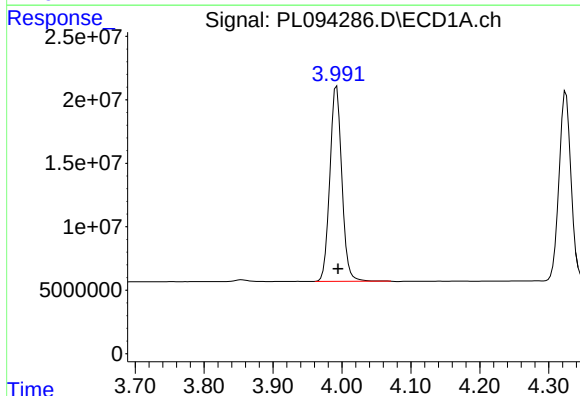
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 127507172
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



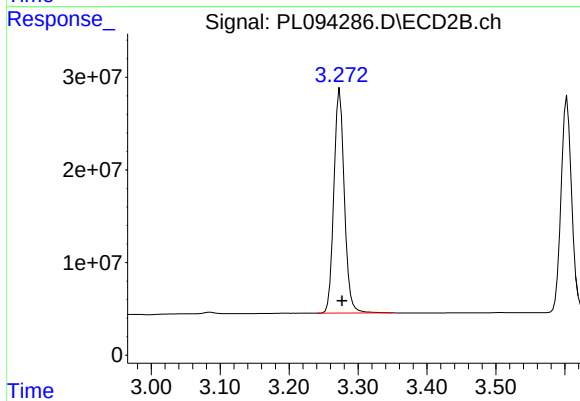
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 165866304
Conc: 50.81 ng/ml



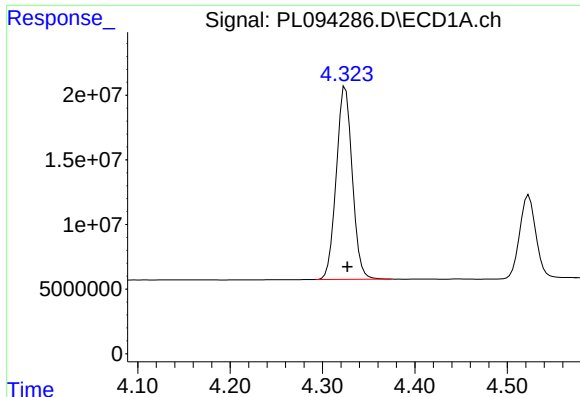
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 185639999
Conc: 48.42 ng/ml



#2 alpha-BHC

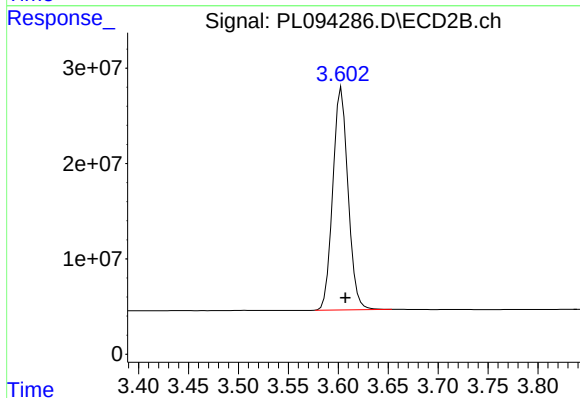
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 254925562
Conc: 52.14 ng/ml



#3 gamma-BHC (Lindane)

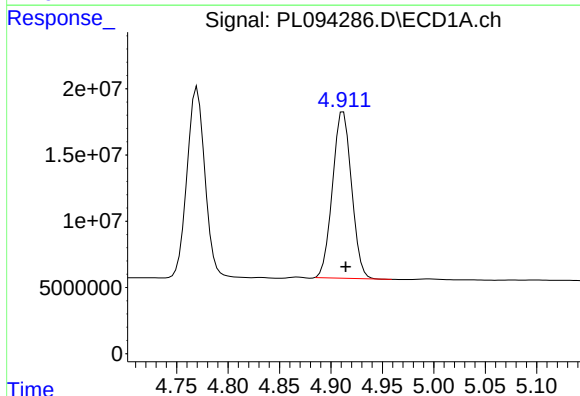
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179582555
Conc: 48.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



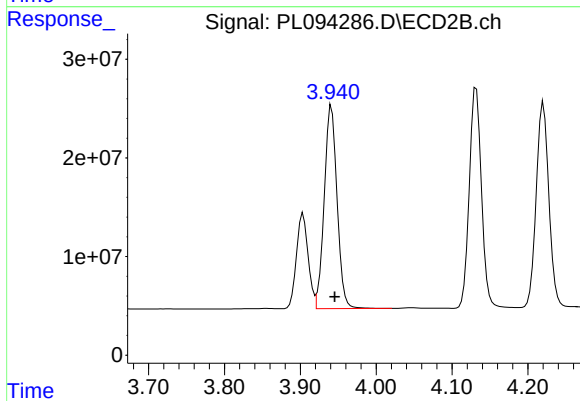
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 247858097
Conc: 52.28 ng/ml



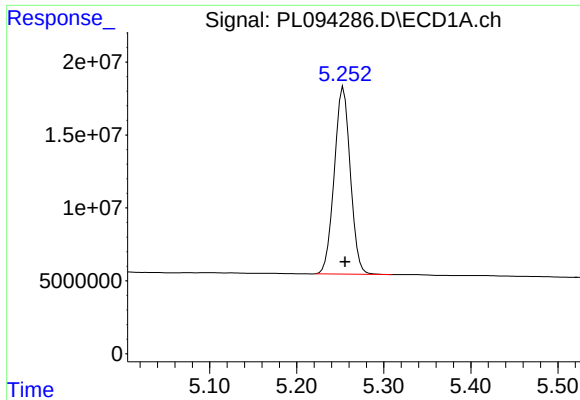
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 161612350
Conc: 49.31 ng/ml



#4 Heptachlor

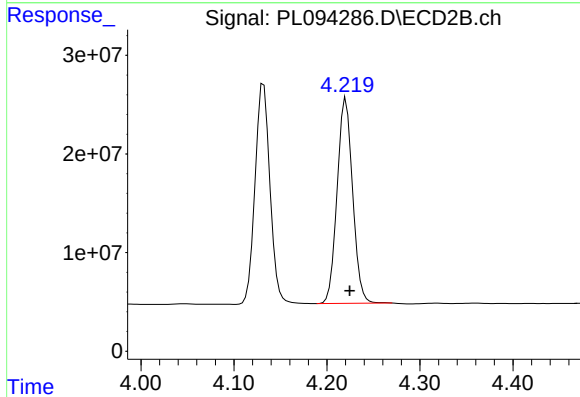
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 242197648
Conc: 52.03 ng/ml



#5 Aldrin

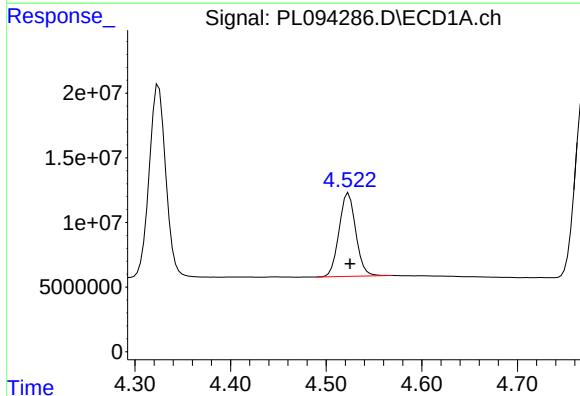
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 164236099
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



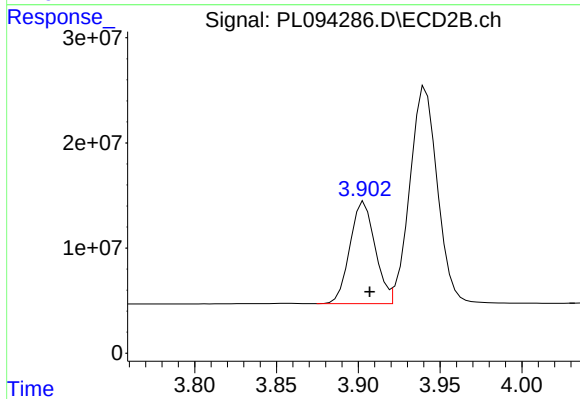
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 240807744
Conc: 52.79 ng/ml



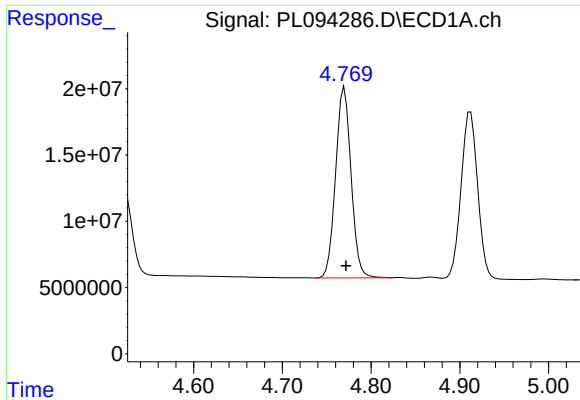
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 78410142
Conc: 48.78 ng/ml



#6 beta-BHC

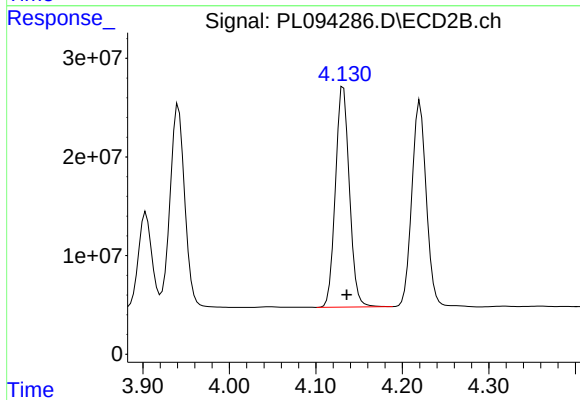
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 103622183
Conc: 51.88 ng/ml



#7 delta-BHC

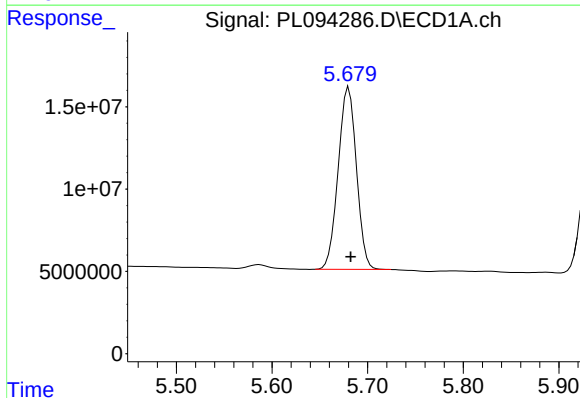
R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 173859719
Conc: 49.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



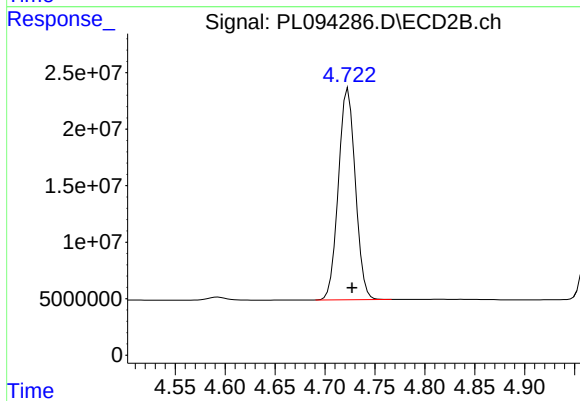
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 249573313
Conc: 52.53 ng/ml



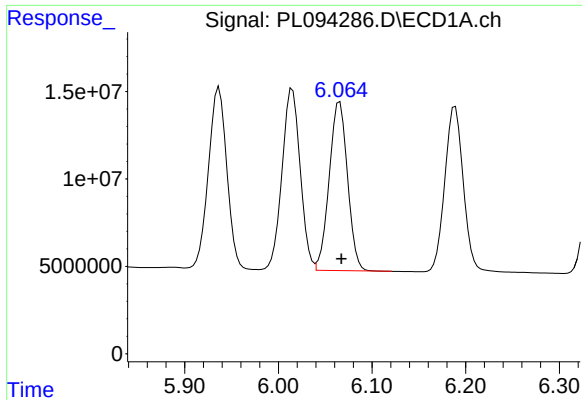
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 147227586
Conc: 49.51 ng/ml



#8 Heptachlor epoxide

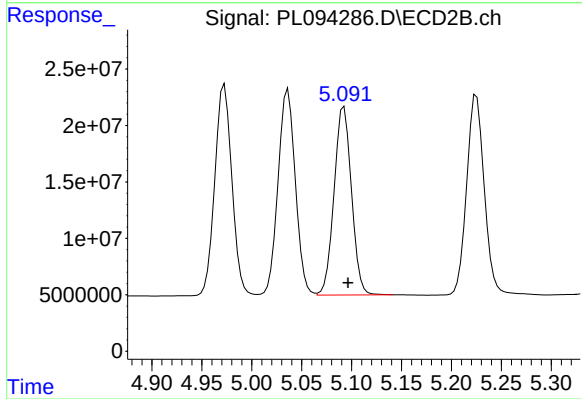
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221022547
Conc: 52.87 ng/ml



#9 Endosulfan I

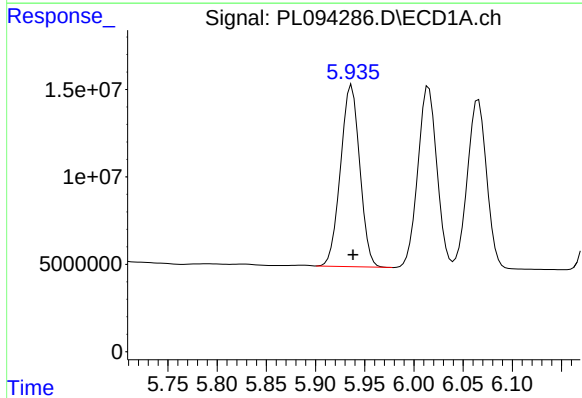
R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 131299703
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



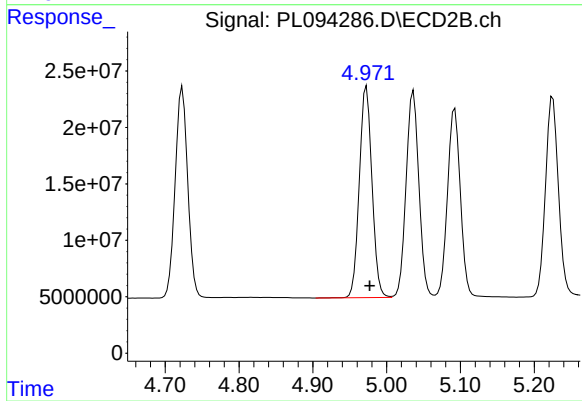
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 202480650
Conc: 52.23 ng/ml



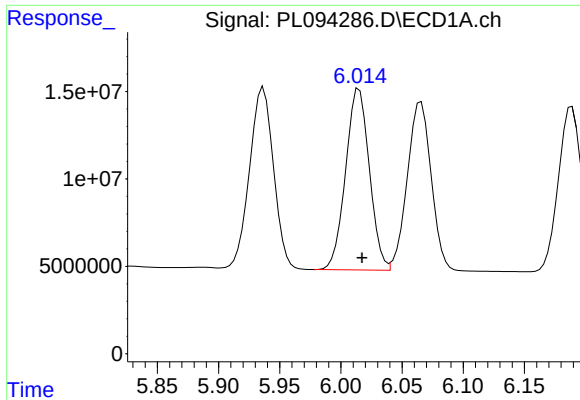
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 50.68 ng/ml



#10 gamma-Chlordane

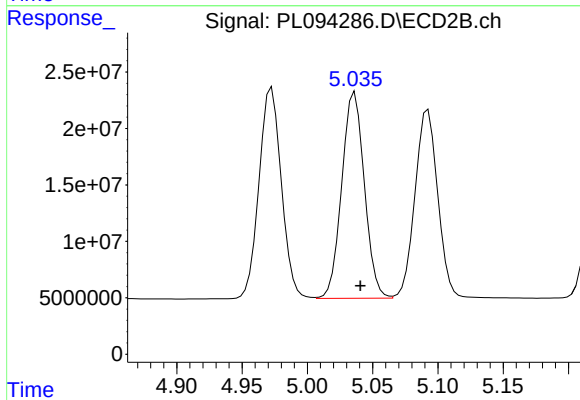
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 52.59 ng/ml



#11 alpha-Chlordane

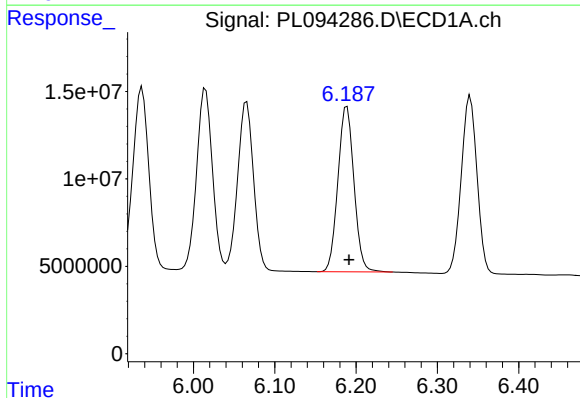
R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140197939
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



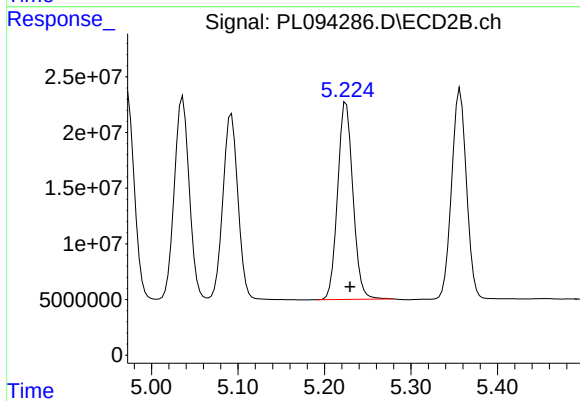
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 52.60 ng/ml



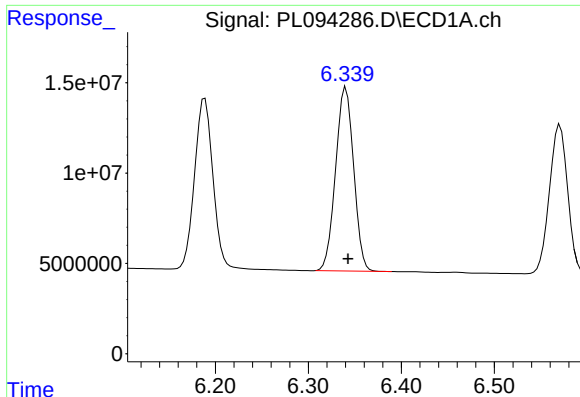
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 129742633
Conc: 53.29 ng/ml



#12 4,4'-DDE

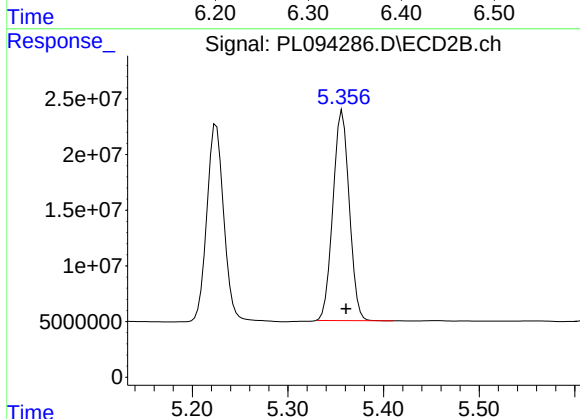
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 216766920
Conc: 54.06 ng/ml



#13 Dieldrin

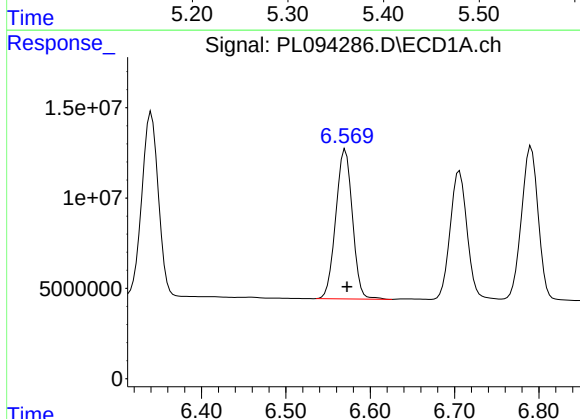
R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 137453616
Conc: 49.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



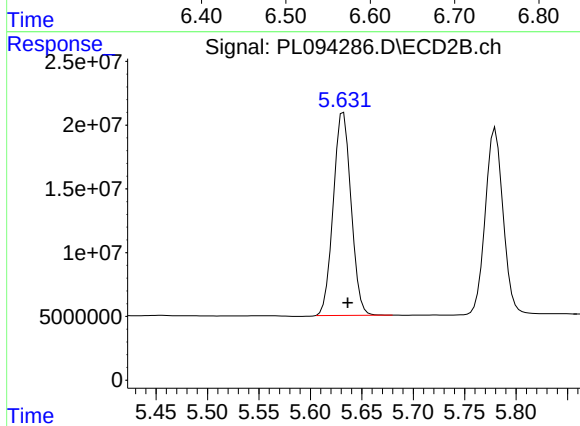
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 223120610
Conc: 51.94 ng/ml



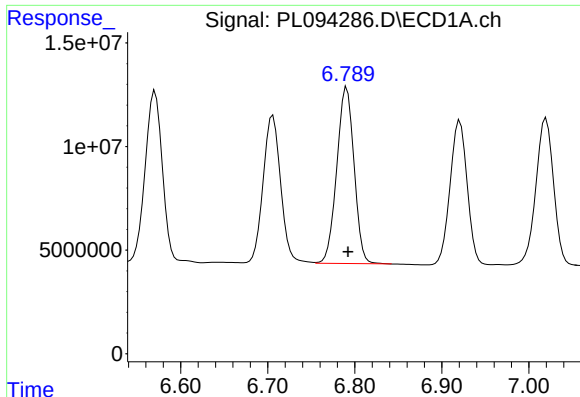
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 113600279
Conc: 48.45 ng/ml



#14 Endrin

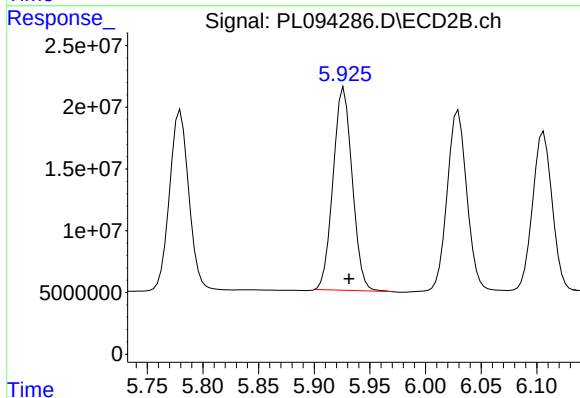
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 191452089
Conc: 51.85 ng/ml



#15 Endosulfan II

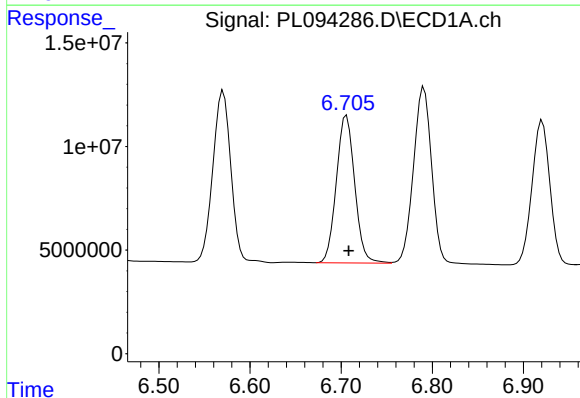
R.T.: 6.791 min
Delta R.T.: -0.001 min
Response: 117514341
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



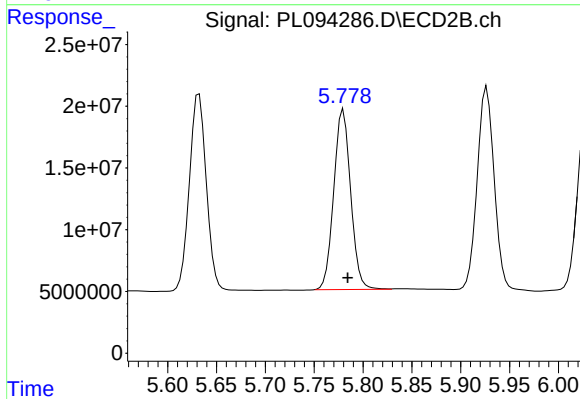
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.005 min
Response: 196404912
Conc: 53.03 ng/ml



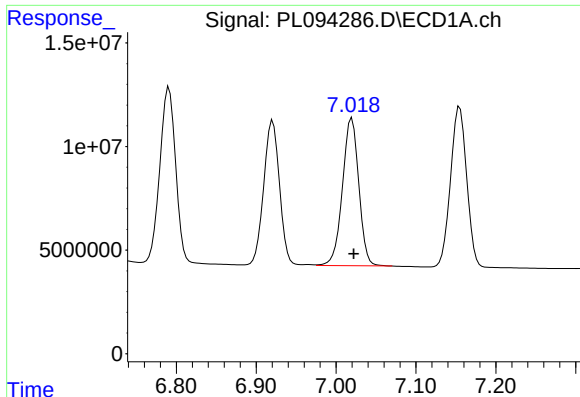
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 99726881
Conc: 52.47 ng/ml



#16 4,4'-DDD

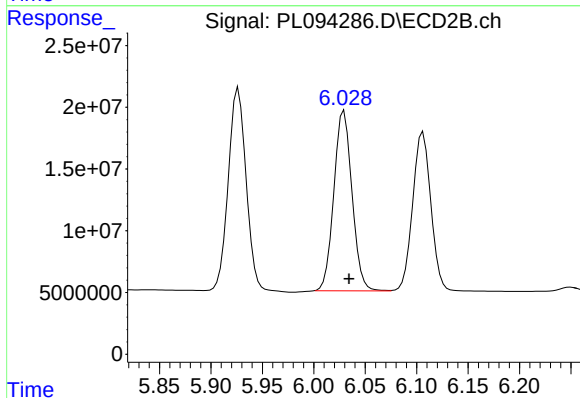
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 175763026
Conc: 55.68 ng/ml



#17 4,4'-DDT

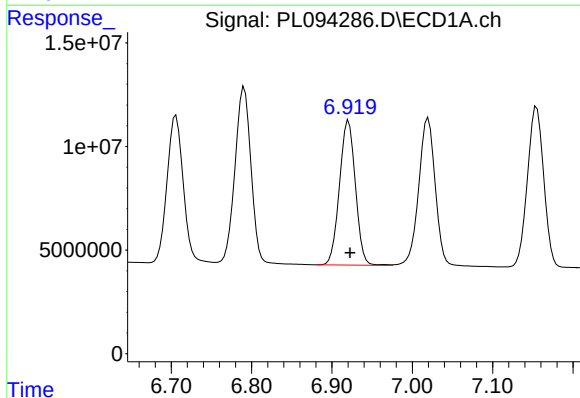
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 101383675
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



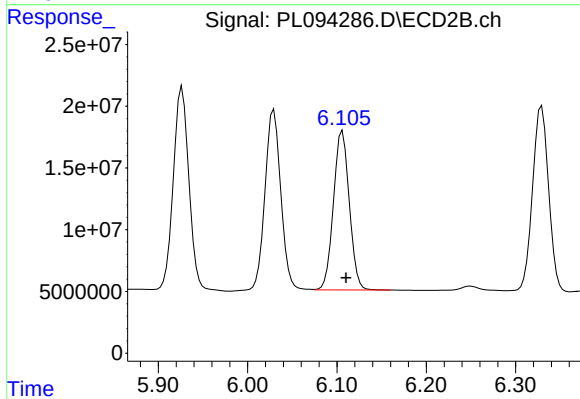
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 179041709
Conc: 55.02 ng/ml



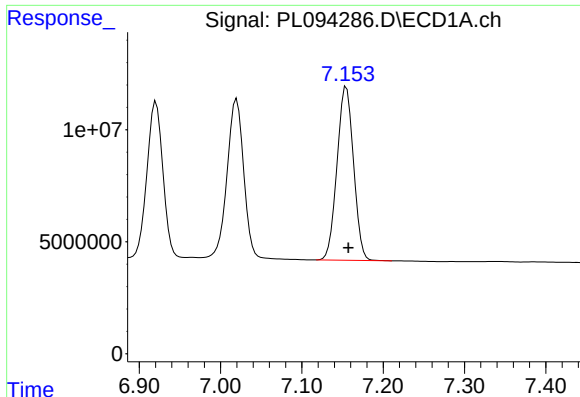
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95983181
Conc: 49.37 ng/ml



#18 Endrin aldehyde

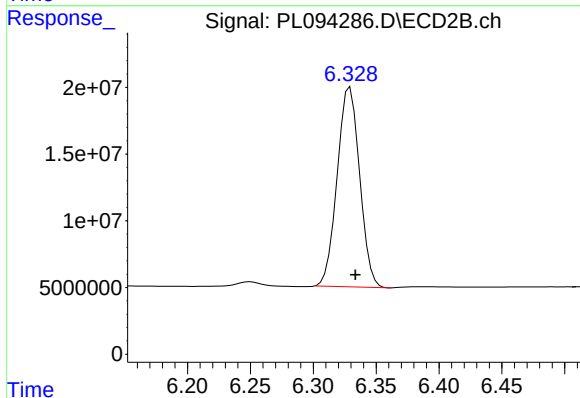
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 158649068
Conc: 52.11 ng/ml



#19 Endosulfan Sulfate

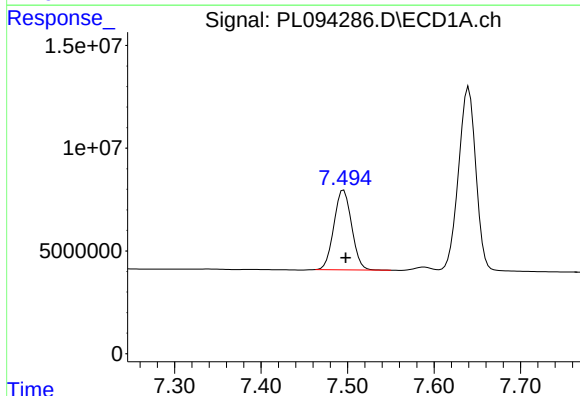
R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 109316562
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



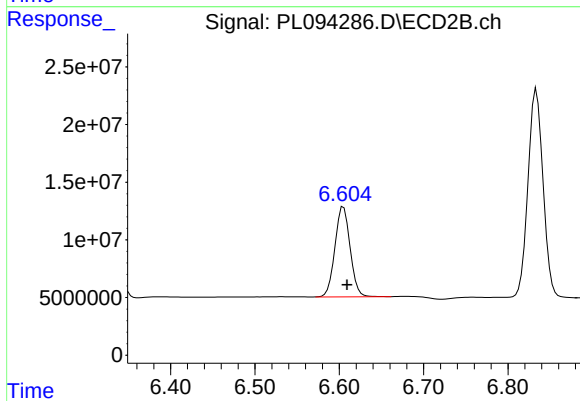
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 185821569
Conc: 52.11 ng/ml



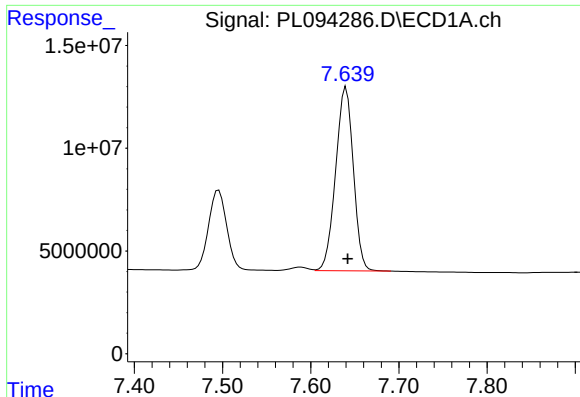
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 55114463
Conc: 52.82 ng/ml



#20 Methoxychlor

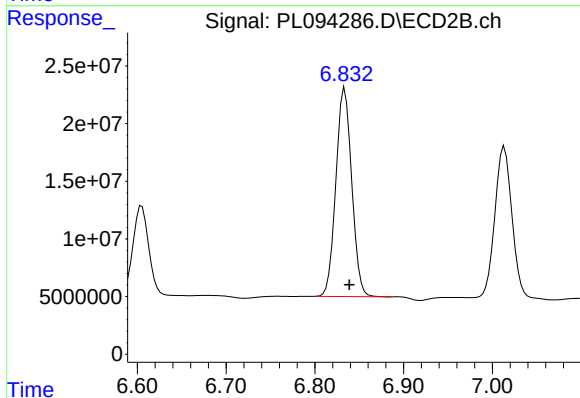
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 97766290
Conc: 54.67 ng/ml



#21 Endrin ketone

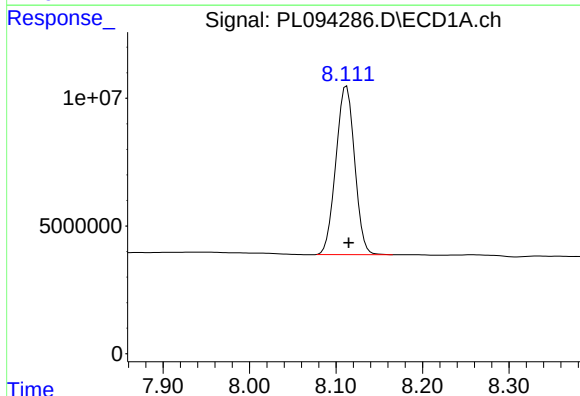
R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 124531159
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



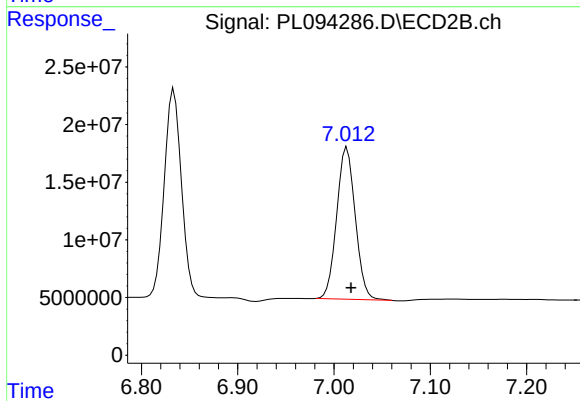
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 224229857
Conc: 53.45 ng/ml



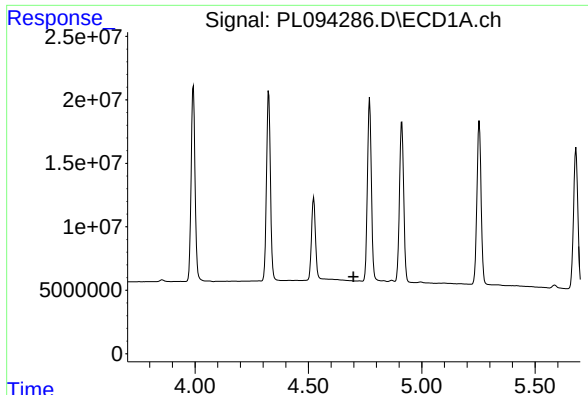
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 98978888
Conc: 47.53 ng/ml



#22 Mirex

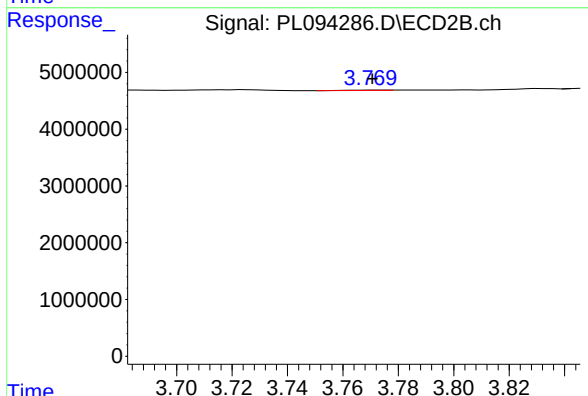
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 176457564
Conc: 52.18 ng/ml



#23 Chlordane-1

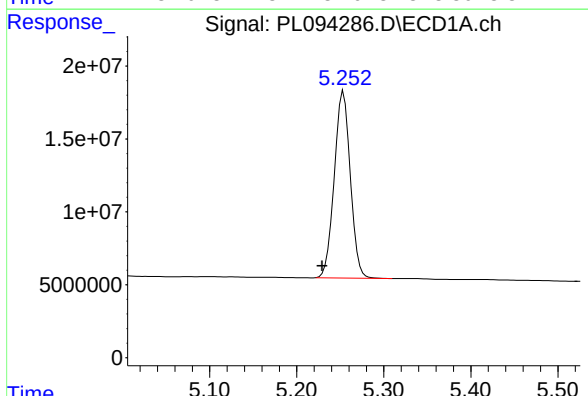
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



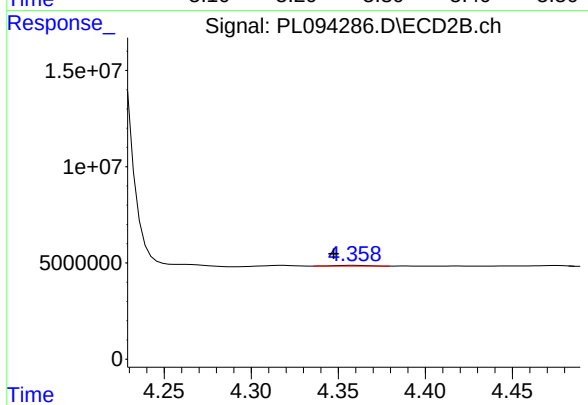
#23 Chlordane-1

R.T.: 3.772 min
Delta R.T.: 0.001 min
Response: 69109
Conc: 0.55 ng/ml



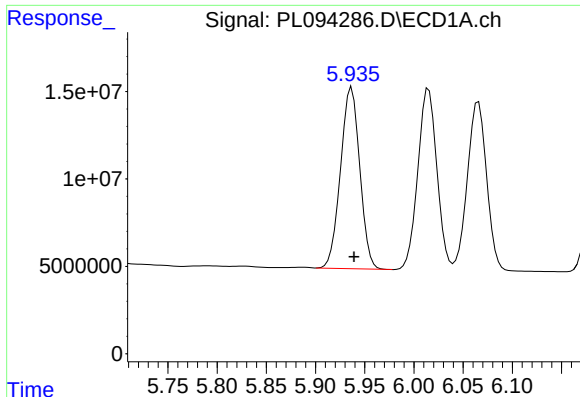
#24 Chlordane-2

R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 164236099
Conc: 1402.76 ng/ml



#24 Chlordane-2

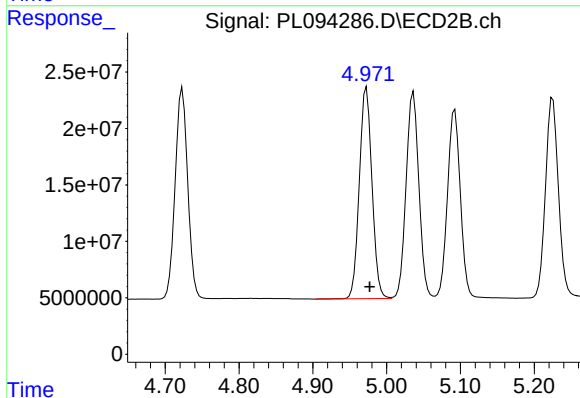
R.T.: 4.359 min
Delta R.T.: 0.012 min
Response: 525823
Conc: 3.58 ng/ml



#25 Chlordane-3

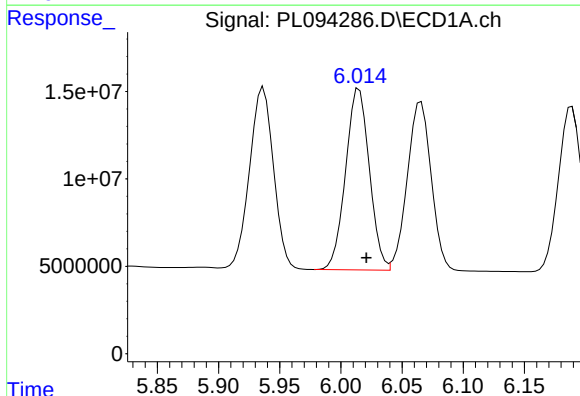
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 360.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



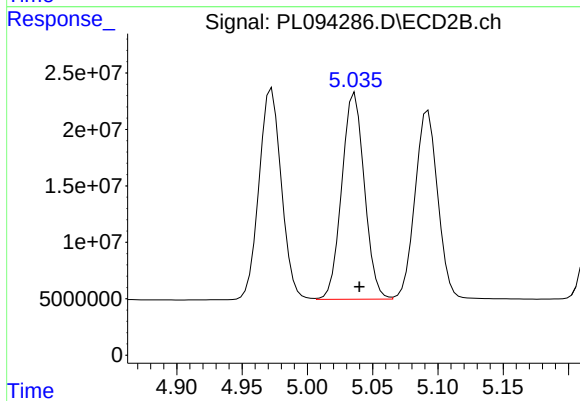
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 512.53 ng/ml



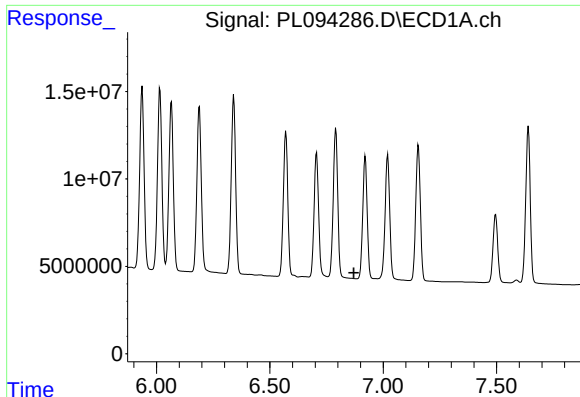
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 140197939
Conc: 298.23 ng/ml



#26 Chlordane-4

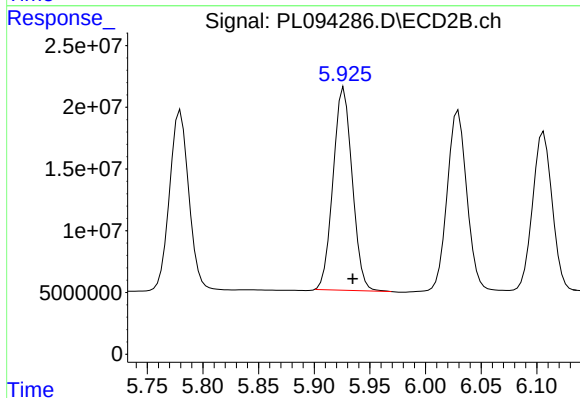
R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 519.75 ng/ml



#27 Chlordane-5

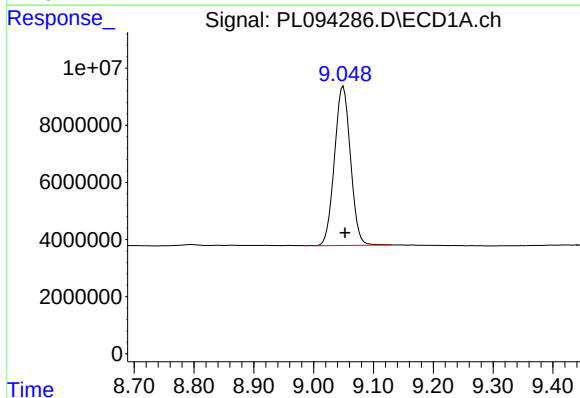
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



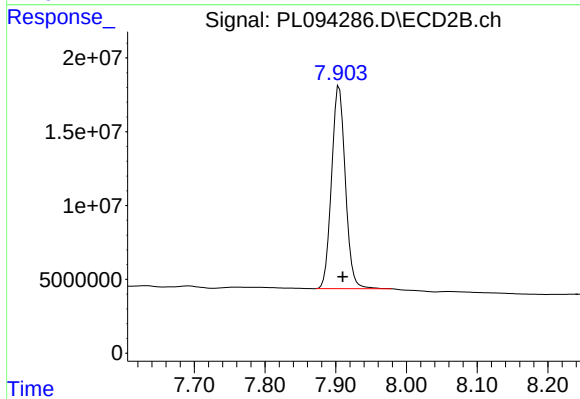
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.008 min
Response: 196404912
Conc: 1282.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 103995835
Conc: 49.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 185691067
Conc: 52.99 ng/ml