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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : P5306

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

Table Of Contents for P5306

1) PESTICIDE-TCL Data 2

2) Signature Page 4

3) Case Narrative 5

4) Qualifier Page 7

5) Conformance/Non Conformance 8

6) QA Checklist 10

7) Chronicle 11

8) Hit Summary 12

9) QC Data Summary For Pesticide-TCL 13

- 9.1) Deuterated Monitoring Compound Summary 14
- 9.2) MS/MSD Summary 16
- 9.3) LCS/LCSD Summary 18
- 9.4) Method Blank Summary 19

10) Sample Data 20

- 10.1) OU4-VSL-07-121224 21
- 10.2) OU4-VSL-08-121224 26
- 10.3) OU4-VSL-09-121224 31
- 10.4) OU4-VSL-10-121224 36
- 10.5) OU4-VSL-11-121224 41
- 10.6) OU4-VSL-12-121224 46
- 10.7) OU4-VSL-13-121224 51
- 10.8) OU4-VSL-14-121224 56

11) Calibration Data Summary 61

- 11.1) Initial Calibration Data 62
  - 11.1.1) PL112524 62
- 11.2) Continued Calibration Data 164
  - 11.2.1) PL093415.D 164
  - 11.2.2) PL093427.D 182
  - 11.2.3) PL093431.D 200
  - 11.2.4) PL093442.D 218
  - 11.2.5) PEM Files 236
- 11.3) RESCHK Data 3
- 11.4) Analytical Seq 274

12) Compound Detection Summary 276

13) QC Sample Data 282

13.1) Method Blank Data 283
13.2) PIBLK Data 288
13.3) LCS Data 313
13.4) MS Data 329
13.5) MSD Data 345
14) Manual Integration 361
15) Analytical Runlogs 367
16) Percent Solid 379
17) Extraction Logs 381
17.1) PB165704.pdf 381
17.2) PB165704IC.pdf 383
18) Standard Prep Logs 385
19) Shipping Document 436
19.1) Chain Of Custody 437
19.2) Lab Certificate 438
19.3) Internal COC 439
20) Not Reviewed Data 441

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

Cover Page

Order ID : P5306

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
P5306-01	OU4-VSL-07-121224
P5306-02	OU4-VSL-07-121224
P5306-03	OU4-VSL-08-121224
P5306-04	OU4-VSL-08-121224
P5306-05	OU4-VSL-09-121224
P5306-06	OU4-VSL-09-121224
P5306-07	OU4-VSL-10-121224
P5306-08	OU4-VSL-10-121224
P5306-09	OU4-VSL-11-121224
P5306-10	OU4-VSL-11-121224
P5306-11	OU4-VSL-12-121224
P5306-12	OU4-VSL-12-121224
P5306-13	OU4-VSL-13-121224
P5306-14	OU4-VSL-13-121224
P5306-15	OU4-VSL-14-121224
P5306-16	OU4-VSL-14-121224
P5306-17	OU4-VSL-06R-121224
P5306-18	OU4-VSL-06R-121224

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

Signature :

APPROVED

By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 # P5306
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
18 Solid samples were received on 12/17/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals Group6, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SPLP MetalGroup6, SVOCMS Group3 and VOCMS Group3. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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

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

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

Signature 

APPROVED
By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 is 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

QA Control # A3040960

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5306 MATRIX: Solid

METHOD: 8081B/3541

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

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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.

APPROVED

By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5306

	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: Mohammad Ahmed **Date:** 01-03-2025

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

LAB CHRONICLE

OrderID:	P5306	**OrderDate:**	12/17/2024 10:24:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5306-01	**OU4-VSL-07-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/18/24	
P5306-03	**OU4-VSL-08-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/18/24	
P5306-05	**OU4-VSL-09-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/18/24	
P5306-07	**OU4-VSL-10-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/19/24	
P5306-09	**OU4-VSL-11-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/19/24	
P5306-11	**OU4-VSL-12-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/19/24	
P5306-13	**OU4-VSL-13-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/19/24	
P5306-15	**OU4-VSL-14-121224**	**SOIL**			**12/12/24**			**12/17/24**
			PCB	8082A		12/18/24	12/18/24	
			Pesticide-TCL	8081B		12/18/24	12/19/24	

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

Hit Summary Sheet
SW-846

SDG No.: P5306 **Order ID:** P5306

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

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

Surrogate Summary

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093230.D	PIBLK-PL093230.D	Decachlorobiphenyl	1	20	21.6	108		30	135
		Tetrachloro-m-xylene	1	20	21.2	106		44	124
		Decachlorobiphenyl	2	20	21.5	107		30	135
		Tetrachloro-m-xylene	2	20	20.4	102		44	124
I.BLK-PL093414.D	PIBLK-PL093414.D	Decachlorobiphenyl	1	20	24.8	124		30	135
		Tetrachloro-m-xylene	1	20	20.3	102		44	124
		Decachlorobiphenyl	2	20	23.4	117		30	135
		Tetrachloro-m-xylene	2	20	19.5	98		44	124
PB165704BL	PB165704BL	Decachlorobiphenyl	1	20	23.3	117		55	130
		Tetrachloro-m-xylene	1	20	19.2	96		42	129
		Decachlorobiphenyl	2	20	22.4	112		55	130
		Tetrachloro-m-xylene	2	20	18.4	92		42	129
PB165704BS	PB165704BS	Decachlorobiphenyl	1	20	23.6	118		55	130
		Tetrachloro-m-xylene	1	20	19.2	96		42	129
		Decachlorobiphenyl	2	20	22.6	113		55	130
		Tetrachloro-m-xylene	2	20	18.6	93		42	129
P5306-01	OU4-VSL-07-121224	Decachlorobiphenyl	1	20	22.4	112		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	20.9	104		55	130
		Tetrachloro-m-xylene	2	20	22.1	110		42	129
P5306-01MS	OU4-VSL-07-121224MS	Decachlorobiphenyl	1	20	21.2	106		55	130
		Tetrachloro-m-xylene	1	20	18.9	94		42	129
		Decachlorobiphenyl	2	20	19.7	99		55	130
		Tetrachloro-m-xylene	2	20	18.7	93		42	129
P5306-01MSD	OU4-VSL-07-121224MSD	Decachlorobiphenyl	1	20	21.1	106		55	130
		Tetrachloro-m-xylene	1	20	19.1	96		42	129
		Decachlorobiphenyl	2	20	19.8	99		55	130
		Tetrachloro-m-xylene	2	20	18.8	94		42	129
P5306-03	OU4-VSL-08-121224	Decachlorobiphenyl	1	20	22.3	112		55	130
		Tetrachloro-m-xylene	1	20	22.2	111		42	129
		Decachlorobiphenyl	2	20	20.9	105		55	130
		Tetrachloro-m-xylene	2	20	22.5	113		42	129
P5306-05	OU4-VSL-09-121224	Decachlorobiphenyl	1	20	23.5	117		55	130
		Tetrachloro-m-xylene	1	20	21.3	107		42	129
		Decachlorobiphenyl	2	20	22.2	111		55	130
		Tetrachloro-m-xylene	2	20	21.6	108		42	129
I.BLK-PL093426.D	PIBLK-PL093426.D	Decachlorobiphenyl	1	20	23.9	119		30	135
		Tetrachloro-m-xylene	1	20	20.5	103		44	124
		Decachlorobiphenyl	2	20	22.9	115		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
I.BLK-PL093429.D	PIBLK-PL093429.D	Decachlorobiphenyl	1	20	23.9	119		30	135

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

Surrogate Summary

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093429.D	PIBLK-PL093429.D	Tetrachloro-m-xylene	1	20	20.5	102		44	124
		Decachlorobiphenyl	2	20	22.8	114		30	135
		Tetrachloro-m-xylene	2	20	20.3	102		44	124
P5306-07	OU4-VSL-10-121224	Decachlorobiphenyl	1	20	25.5	128		55	130
		Tetrachloro-m-xylene	1	20	21.7	109		42	129
		Decachlorobiphenyl	2	20	24.1	120		55	130
		Tetrachloro-m-xylene	2	20	21.7	108		42	129
P5306-09	OU4-VSL-11-121224	Decachlorobiphenyl	1	20	21.9	110		55	130
		Tetrachloro-m-xylene	1	20	21.1	106		42	129
		Decachlorobiphenyl	2	20	20.9	104		55	130
		Tetrachloro-m-xylene	2	20	21.2	106		42	129
P5306-11	OU4-VSL-12-121224	Decachlorobiphenyl	1	20	21.8	109		55	130
		Tetrachloro-m-xylene	1	20	21.2	106		42	129
		Decachlorobiphenyl	2	20	20.6	103		55	130
		Tetrachloro-m-xylene	2	20	21.6	108		42	129
P5306-13	OU4-VSL-13-121224	Decachlorobiphenyl	1	20	20.1	100		55	130
		Tetrachloro-m-xylene	1	20	21.2	106		42	129
		Decachlorobiphenyl	2	20	19.2	96		55	130
		Tetrachloro-m-xylene	2	20	21.1	106		42	129
P5306-15	OU4-VSL-14-121224	Decachlorobiphenyl	1	20	21.0	105		55	130
		Tetrachloro-m-xylene	1	20	20.3	101		42	129
		Decachlorobiphenyl	2	20	20.0	100		55	130
		Tetrachloro-m-xylene	2	20	20.2	101		42	129
I.BLK-PL093441.D	PIBLK-PL093441.D	Decachlorobiphenyl	1	20	24.1	120		30	135
		Tetrachloro-m-xylene	1	20	20.4	102		44	124
		Decachlorobiphenyl	2	20	23.7	118		30	135
		Tetrachloro-m-xylene	2	20	19.9	100		44	124

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8081B **DataFile :** PL093422.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-VSL-07-121224MS**											
P5306-01MS	alpha-BHC	18.31	0	18.3	ug/kg	100				45	137	
	beta-BHC	18.31	0	18.5	ug/kg	101				50	136	
	delta-BHC	18.31	0	17.3	ug/kg	94				47	139	
	gamma-BHC (Lindane)	18.31	0	18.0	ug/kg	98				49	135	
	Heptachlor	18.31	0	19.1	ug/kg	104				47	136	
	Aldrin	18.31	0	18.1	ug/kg	99				45	136	
	Heptachlor epoxide	18.31	0	18.6	ug/kg	102				52	136	
	Endosulfan I	18.31	0	19.0	ug/kg	104				53	132	
	Dieldrin	18.31	0	18.9	ug/kg	103				56	136	
	4,4'-DDE	18.31	0	19.0	ug/kg	104				56	134	
	Endrin	18.31	0	19.8	ug/kg	108				57	140	
	Endosulfan II	18.31	0	19.2	ug/kg	105				53	134	
	4,4'-DDD	18.31	0	19.2	ug/kg	105				56	139	
	Endosulfan sulfate	18.31	0	19.1	ug/kg	104				55	136	
	4,4'-DDT	18.31	0	20.1	ug/kg	110				50	141	
	Methoxychlor	18.31	0	19.9	ug/kg	109				52	143	
	Endrin ketone	18.31	0	19.8	ug/kg	108				55	136	
	Endrin aldehyde	18.31	0	18.3	ug/kg	100				35	137	
	alpha-Chlordane	18.31	0	19.2	ug/kg	105				54	133	
	gamma-Chlordane	18.31	0	19.3	ug/kg	105				53	135	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8081B **DataFile :** PL093423.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OU4-VSL-07-121224MSD**											
P5306-01MSD	alpha-BHC	18.34	0	18.5	ug/kg	101		1		45	137	20
	beta-BHC	18.34	0	18.6	ug/kg	101		0		50	136	20
	delta-BHC	18.34	0	17.4	ug/kg	95		1		47	139	20
	gamma-BHC (Lindane)	18.34	0	18.2	ug/kg	99		1		49	135	20
	Heptachlor	18.34	0	19.2	ug/kg	105		1		47	136	20
	Aldrin	18.34	0	18.2	ug/kg	99		0		45	136	20
	Heptachlor epoxide	18.34	0	18.7	ug/kg	102		0		52	136	20
	Endosulfan I	18.34	0	19.1	ug/kg	104		0		53	132	20
	Dieldrin	18.34	0	19.1	ug/kg	104		1		56	136	20
	4,4'-DDE	18.34	0	19.2	ug/kg	105		1		56	134	20
	Endrin	18.34	0	20.1	ug/kg	110		2		57	140	20
	Endosulfan II	18.34	0	19.3	ug/kg	105		0		53	134	20
	4,4'-DDD	18.34	0	19.4	ug/kg	106		1		56	139	20
	Endosulfan sulfate	18.34	0	19.2	ug/kg	105		1		55	136	20
	4,4'-DDT	18.34	0	20.2	ug/kg	110		0		50	141	20
	Methoxychlor	18.34	0	20.1	ug/kg	110		1		52	143	20
	Endrin ketone	18.34	0	19.9	ug/kg	109		1		55	136	20
	Endrin aldehyde	18.34	0	18.2	ug/kg	99		1		35	137	20
	alpha-Chlordane	18.34	0	19.2	ug/kg	105		0		54	133	20
	gamma-Chlordane	18.34	0	19.4	ug/kg	106		1		53	135	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5306

Client: Nobis Group

Analytical Method: 8081B **Datafile :** PL093417.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165704BS	alpha-BHC	16.66	16.8	ug/kg	101				45	137	
	beta-BHC	16.66	16.8	ug/kg	101				50	136	
	delta-BHC	16.66	15.7	ug/kg	94				47	139	
	gamma-BHC (Lindane)	16.66	16.6	ug/kg	100				49	135	
	Heptachlor	16.66	17.6	ug/kg	106				47	136	
	Aldrin	16.66	16.6	ug/kg	100				45	136	
	Heptachlor epoxide	16.66	17.4	ug/kg	104				52	136	
	Endosulfan I	16.66	17.8	ug/kg	107				53	132	
	Dieldrin	16.66	17.9	ug/kg	107				56	136	
	4,4'-DDE	16.66	17.6	ug/kg	106				56	134	
	Endrin	16.66	18.8	ug/kg	113				57	140	
	Endosulfan II	16.66	18.3	ug/kg	110				53	134	
	4,4'-DDD	16.66	17.9	ug/kg	107				56	139	
	Endosulfan sulfate	16.66	17.9	ug/kg	107				55	136	
	4,4'-DDT	16.66	18.7	ug/kg	112				50	141	
	Methoxychlor	16.66	18.4	ug/kg	110				52	143	
	Endrin ketone	16.66	18.5	ug/kg	111				55	136	
	Endrin aldehyde	16.66	17.3	ug/kg	104				35	137	
	alpha-Chlordane	16.66	17.8	ug/kg	107				54	133	
	gamma-Chlordane	16.66	17.9	ug/kg	107				53	135	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165704BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: P5306 SAS No.: P5306 SDG NO.: P5306

Lab Sample ID: PB165704BL Lab File ID: PL093416.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 12/18/2024

Date Analyzed (1): 12/18/2024 Date Analyzed (2): 12/18/2024

Time Analyzed (1): 15:49 Time Analyzed (2): 15:49

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
PB165704BS	PB165704BS	PL093417.D	12/18/2024	12/18/2024
OU4-VSL-07-121224	P5306-01	PL093421.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MS	P5306-01MS	PL093422.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MSD	P5306-01MSD	PL093423.D	12/18/2024	12/18/2024
OU4-VSL-08-121224	P5306-03	PL093424.D	12/18/2024	12/18/2024
OU4-VSL-09-121224	P5306-05	PL093425.D	12/18/2024	12/18/2024
OU4-VSL-10-121224	P5306-07	PL093436.D	12/19/2024	12/19/2024
OU4-VSL-11-121224	P5306-09	PL093437.D	12/19/2024	12/19/2024
OU4-VSL-12-121224	P5306-11	PL093438.D	12/19/2024	12/19/2024
OU4-VSL-13-121224	P5306-13	PL093439.D	12/19/2024	12/19/2024
OU4-VSL-14-121224	P5306-15	PL093440.D	12/19/2024	12/19/2024

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093421.D	1	12/18/24 08:10	12/18/24 16:58	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00052	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.00091	U	0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.00091	U	0.00017	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.00091	U	0.00018	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.4		55 - 130		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		42 - 129		110%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	P5306
Lab Sample ID:	P5306-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093421.D	1	12/18/24 08:10	12/18/24 16:58	PB165704

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\PL121824\
Data File : PL093421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:58
Operator : AR\AJ
Sample : P5306-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	56581742	63663558	21.771m	22.075
28)	SA Decachlor...	9.056	7.913	38926117	59578333	22.390	20.857
	Target Compounds						

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

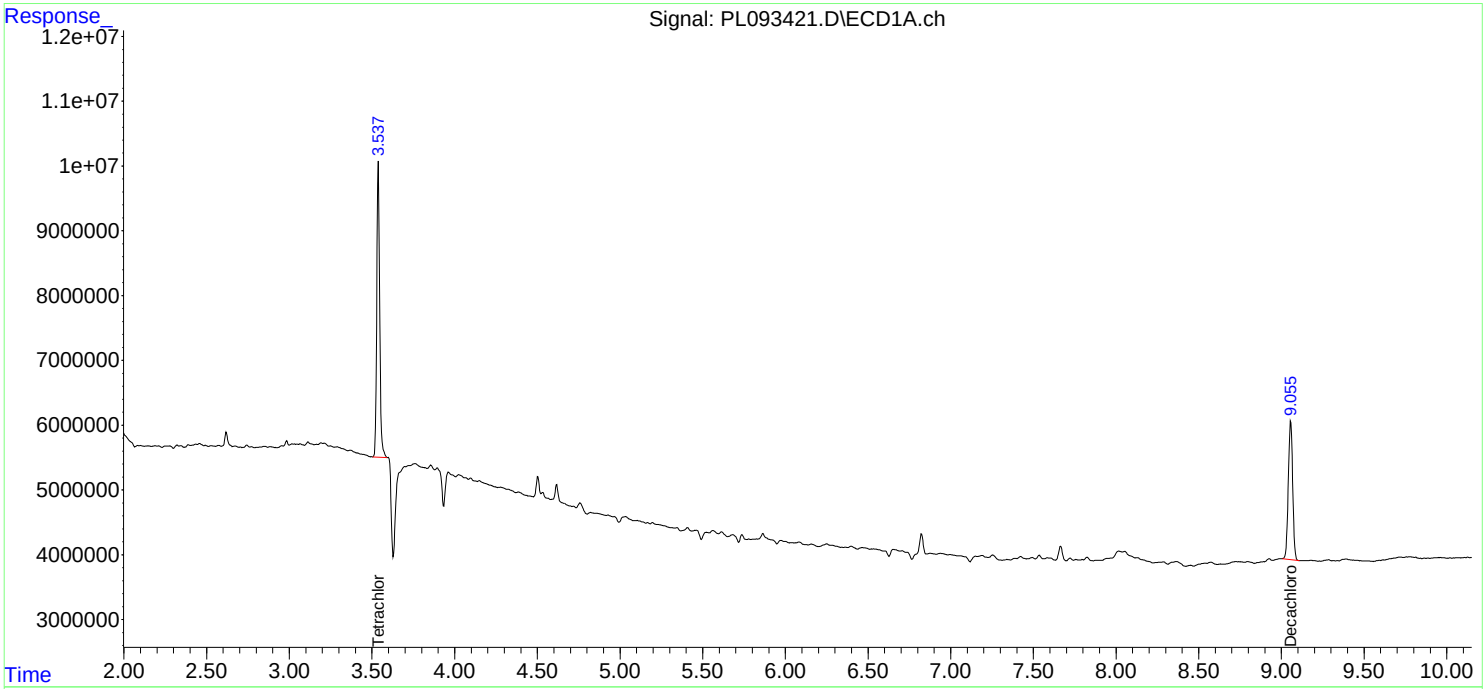
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:58
Operator : AR\AJ
Sample : P5306-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

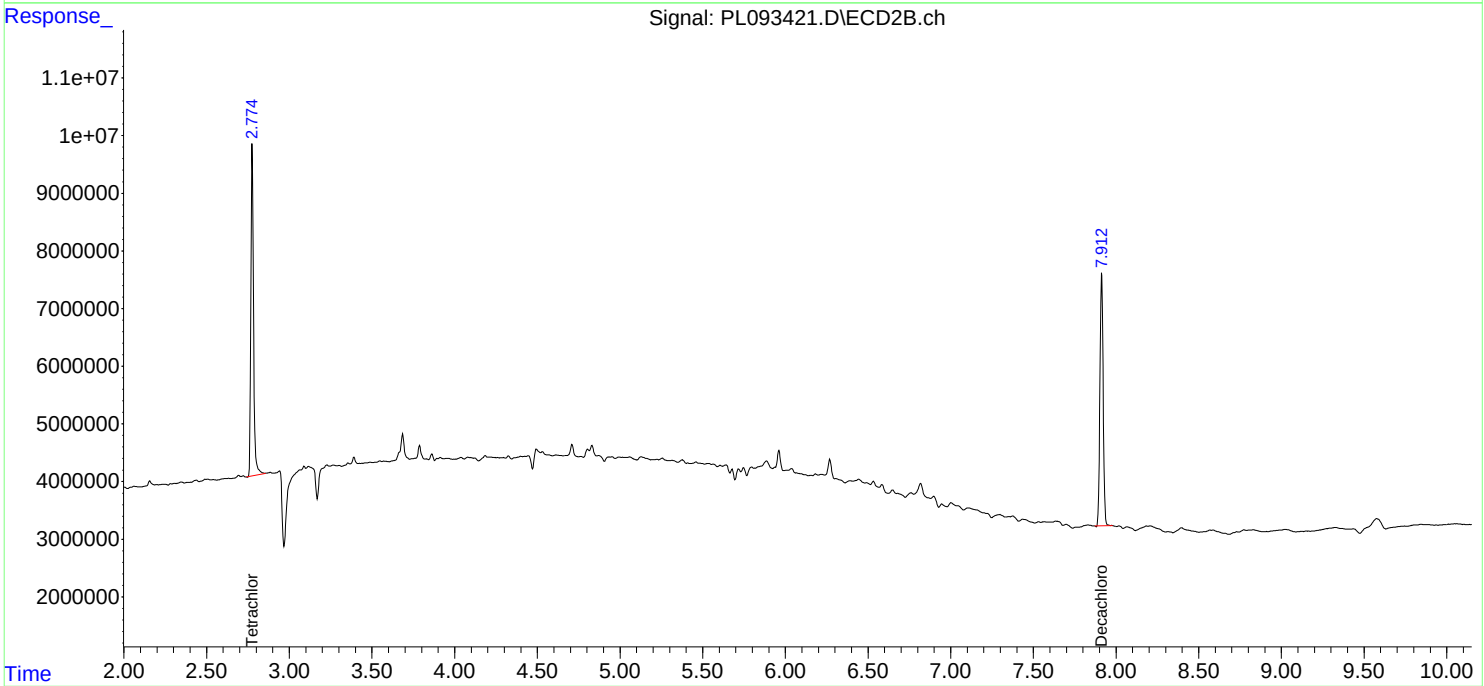
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224

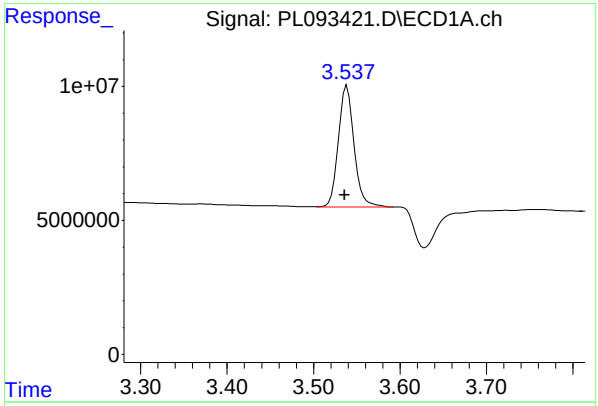
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







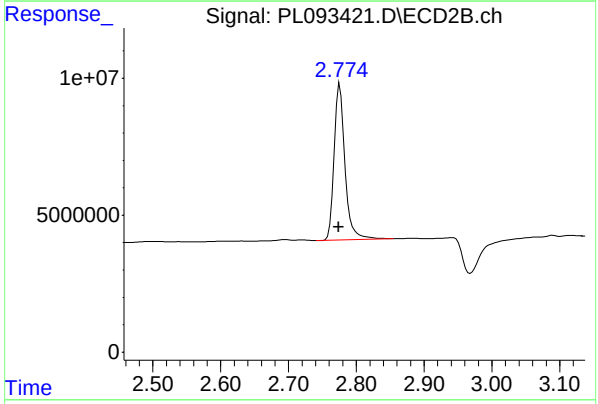
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.001 min
Response: 56581742
Conc: 21.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224

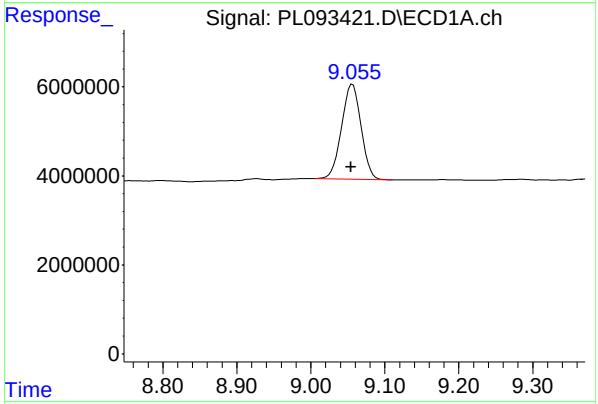
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



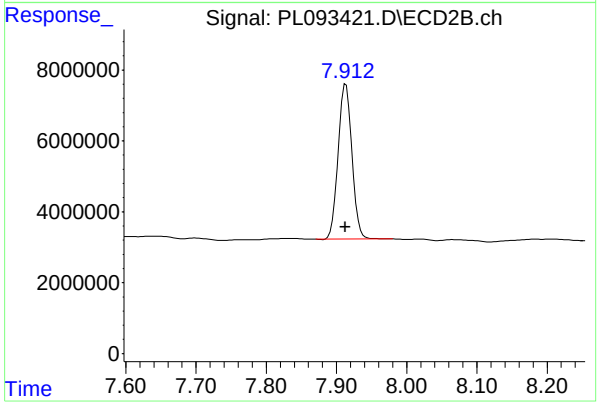
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 63663558
Conc: 22.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 38926117
Conc: 22.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 59578333
Conc: 20.86 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093424.D	1	12/18/24 08:10	12/18/24 17:38	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00052	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.00091	U	0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.00091	U	0.00017	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.00091	U	0.00018	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		55 - 130		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		42 - 129		113%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	P5306
Lab Sample ID:	P5306-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093424.D	1	12/18/24 08:10	12/18/24 17:38	PB165704

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\PL121824\
Data File : PL093424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:38
Operator : AR\AJ
Sample : P5306-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	57756731	64888228	22.223m	22.499
28)	SA Decachlor...	9.057	7.913	38836084	59809368	22.338	20.938
	Target Compounds						

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

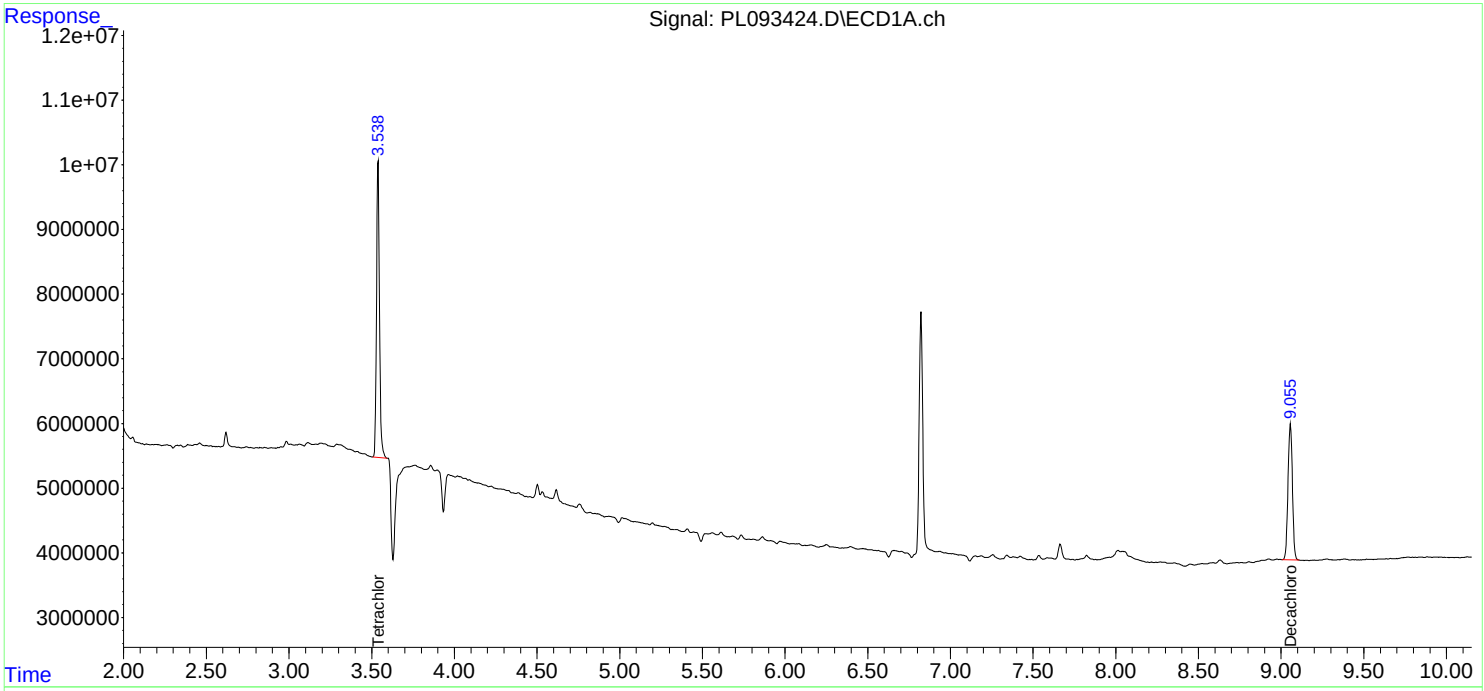
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:38
Operator : AR\AJ
Sample : P5306-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

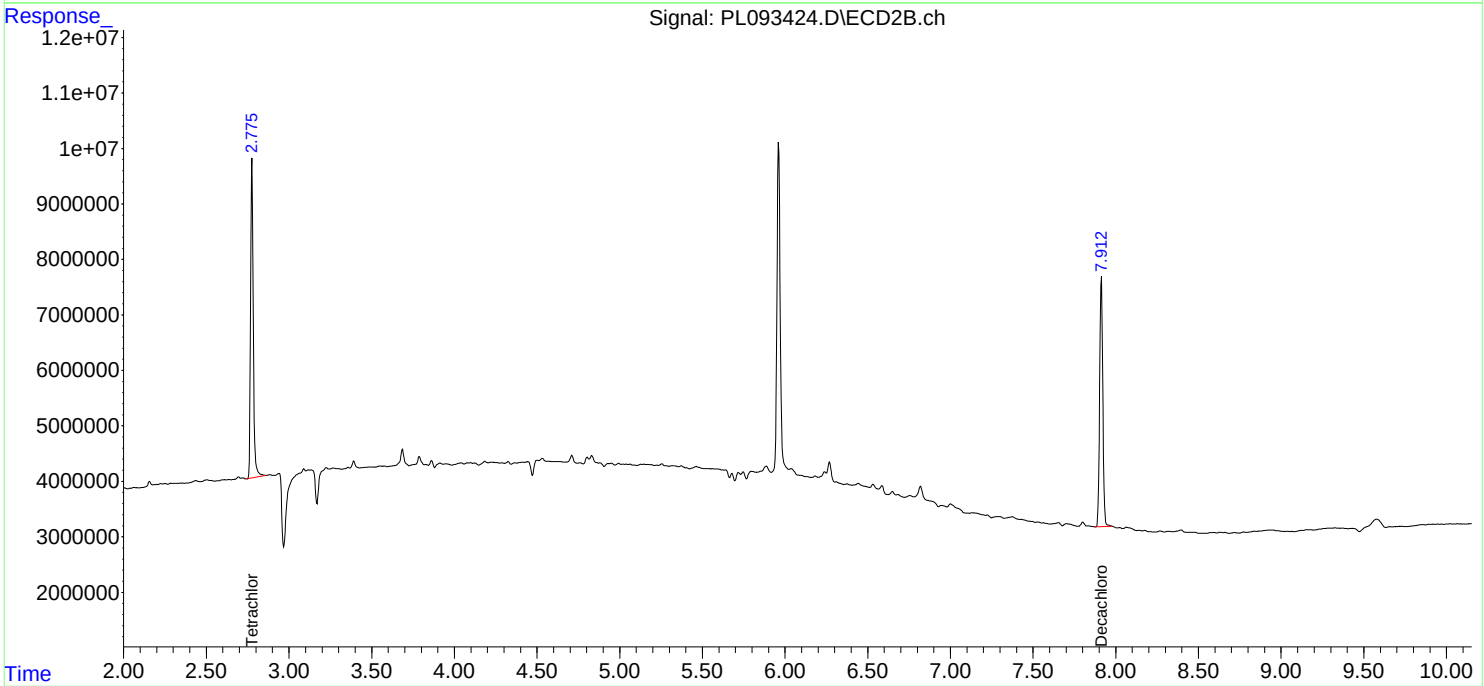
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224

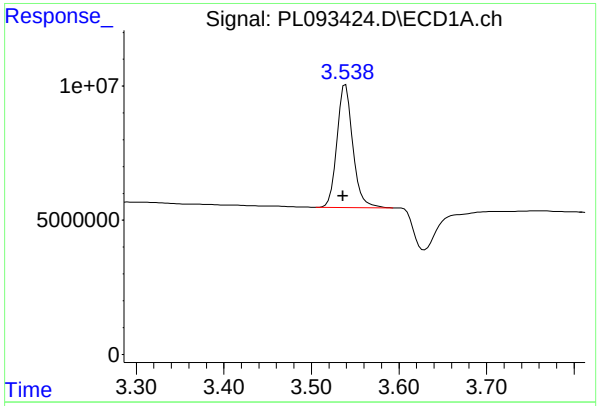
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







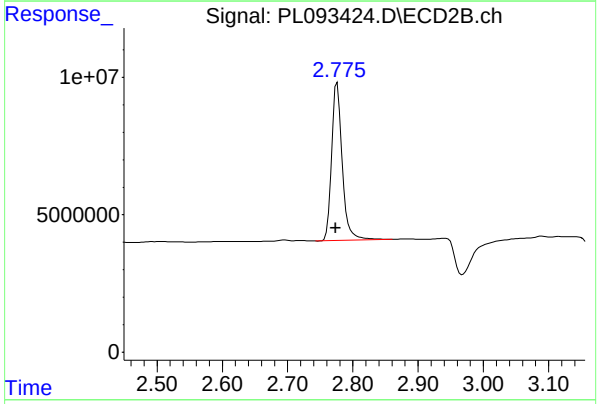
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 57756731
Conc: 22.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224

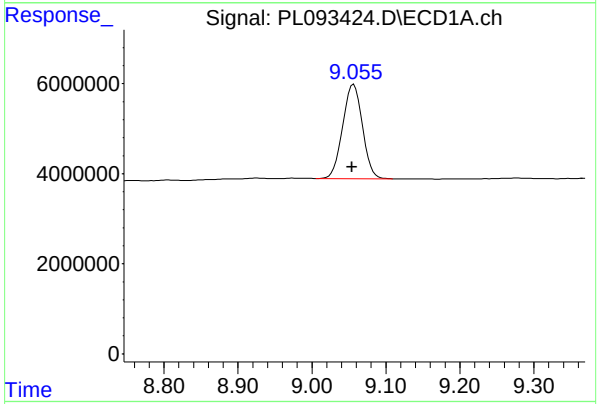
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



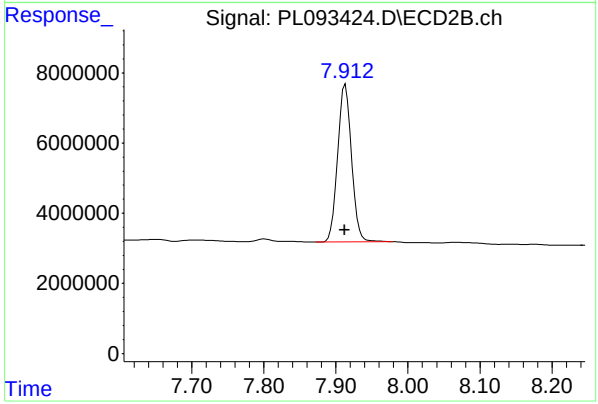
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 64888228
Conc: 22.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 38836084
Conc: 22.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 59809368
Conc: 20.94 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 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
PL093425.D	1	12/18/24 08:10	12/18/24 17:51	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00092	U	0.00020	0.00092	0.0019	mg/Kg
319-85-7	beta-BHC	0.00092	U	0.00054	0.00092	0.0019	mg/Kg
319-86-8	delta-BHC	0.00092	U	0.00052	0.00092	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
76-44-8	Heptachlor	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
309-00-2	Aldrin	0.00092	U	0.00016	0.00092	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00092	U	0.00025	0.00092	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
60-57-1	Dieldrin	0.00092	U	0.00017	0.00092	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00092	U	0.00014	0.00092	0.0019	mg/Kg
72-20-8	Endrin	0.00092	U	0.00018	0.00092	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00092	U	0.00033	0.00092	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00092	U	0.00014	0.00092	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00092	U	0.00042	0.00092	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00092	U	0.00024	0.00092	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00092	U	0.00043	0.00092	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0058	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.5		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		42 - 129		108%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	P5306
Lab Sample ID:	P5306-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.1 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
PL093425.D	1	12/18/24 08:10	12/18/24 17:51	PB165704

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\PL121824\
Data File : PL093425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:51
Operator : AR\AJ
Sample : P5306-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.777	55426194	62308012	21.326m	21.605
28)	SA Decachlor...	9.055	7.913	40824870	63477813	23.482	22.223
	Target Compounds						

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

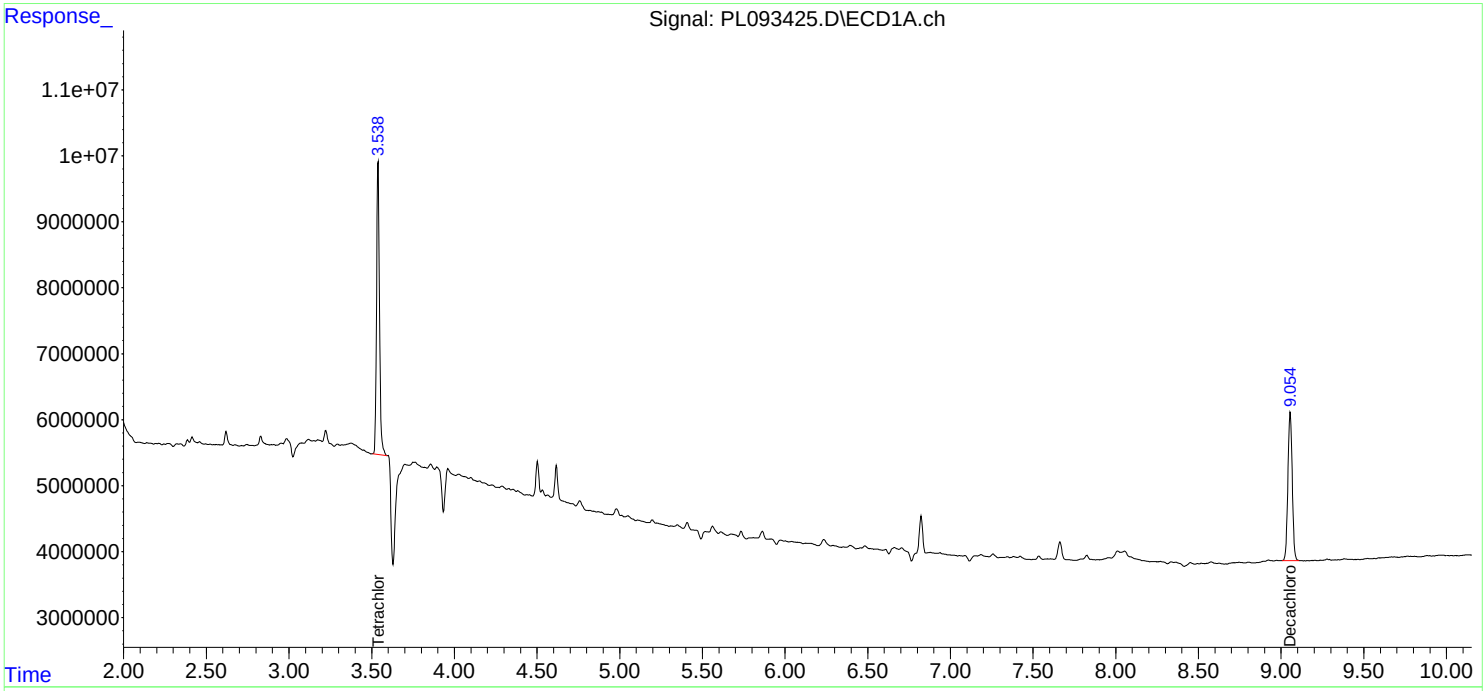
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:51
Operator : AR\AJ
Sample : P5306-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

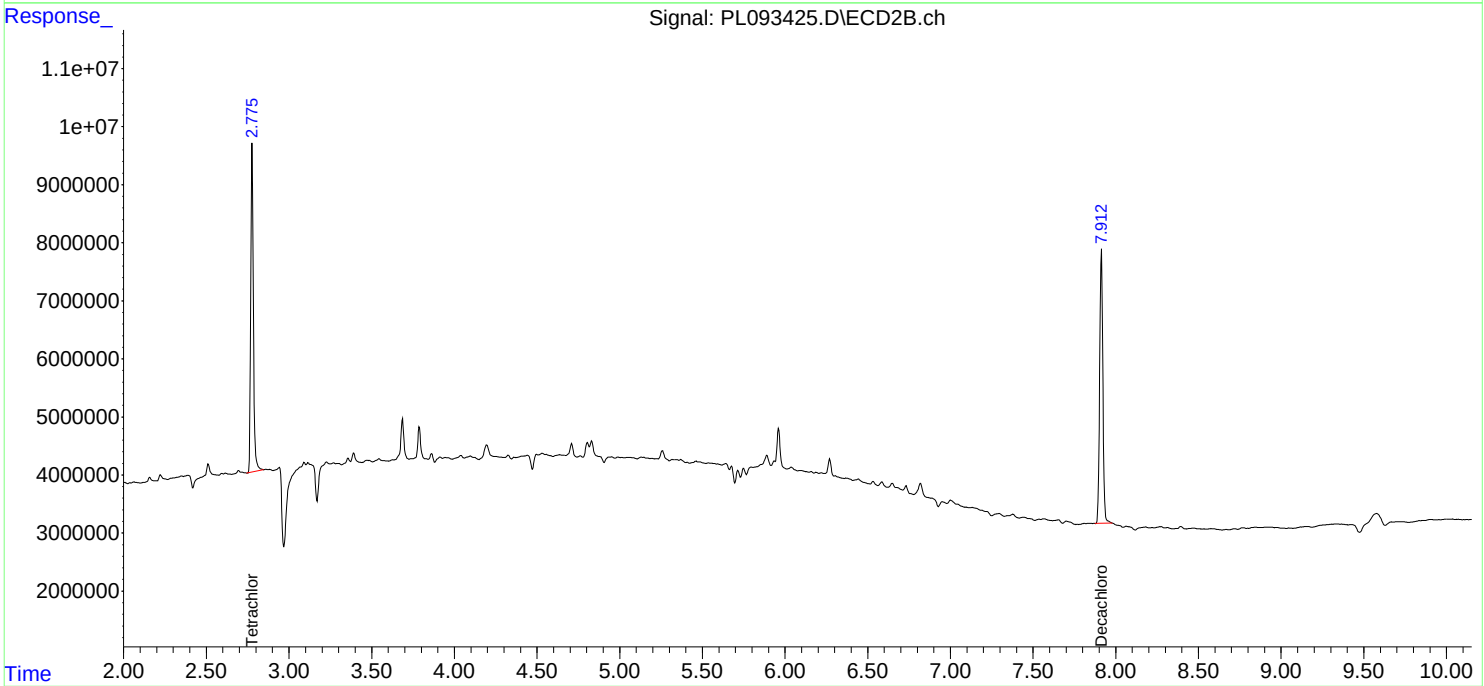
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224

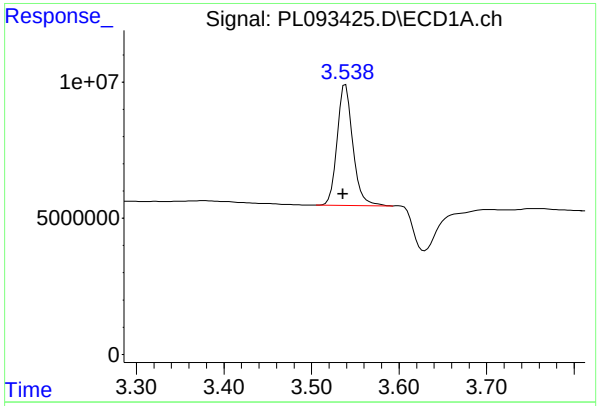
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







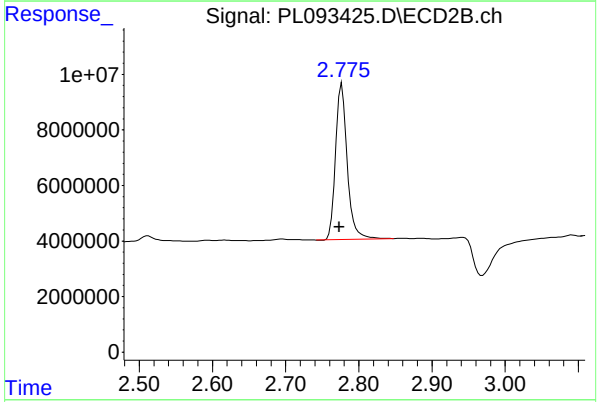
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 55426194
Conc: 21.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224

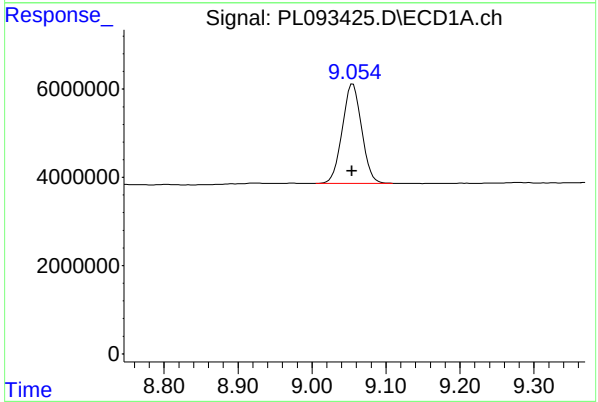
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



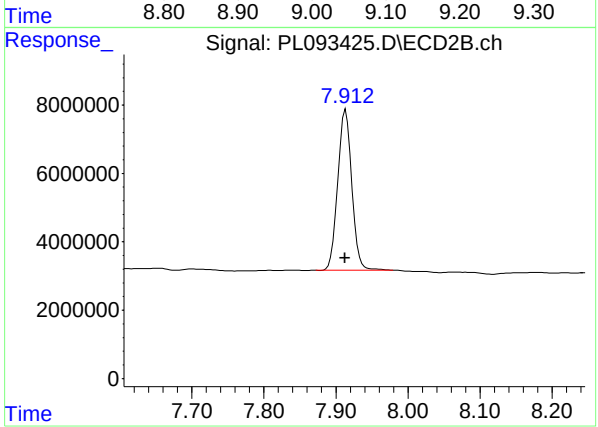
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.003 min
Response: 62308012
Conc: 21.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 40824870
Conc: 23.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 63477813
Conc: 22.22 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 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
PL093436.D	1	12/18/24 08:10	12/19/24 15:47	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00087	U	0.00019	0.00087	0.0018	mg/Kg
319-85-7	beta-BHC	0.00087	U	0.00051	0.00087	0.0018	mg/Kg
319-86-8	delta-BHC	0.00087	U	0.00049	0.00087	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00087	U	0.00020	0.00087	0.0018	mg/Kg
76-44-8	Heptachlor	0.00087	U	0.00018	0.00087	0.0018	mg/Kg
309-00-2	Aldrin	0.00087	U	0.00015	0.00087	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00087	U	0.00024	0.00087	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00087	U	0.00018	0.00087	0.0018	mg/Kg
60-57-1	Dieldrin	0.00087	U	0.00016	0.00087	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00087	U	0.00014	0.00087	0.0018	mg/Kg
72-20-8	Endrin	0.00087	U	0.00017	0.00087	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00087	U	0.00032	0.00087	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00087	U	0.00020	0.00087	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00087	U	0.00014	0.00087	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00087	U	0.00018	0.00087	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00087	U	0.00040	0.00087	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00087	U	0.00023	0.00087	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00087	U	0.00041	0.00087	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00087	U	0.00018	0.00087	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00087	U	0.00020	0.00087	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0055	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.5		55 - 130		128%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		42 - 129		109%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	P5306
Lab Sample ID:	P5306-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 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
PL093436.D	1	12/18/24 08:10	12/19/24 15:47	PB165704

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\PL121924\
Data File : PL093436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 15:47
Operator : AR\AJ
Sample : P5306-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.775	56444065	62562836	21.718m	21.693
28)	SA Decachlor...	9.057	7.912	44384342	68709325	25.530	24.054
	Target Compounds						

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

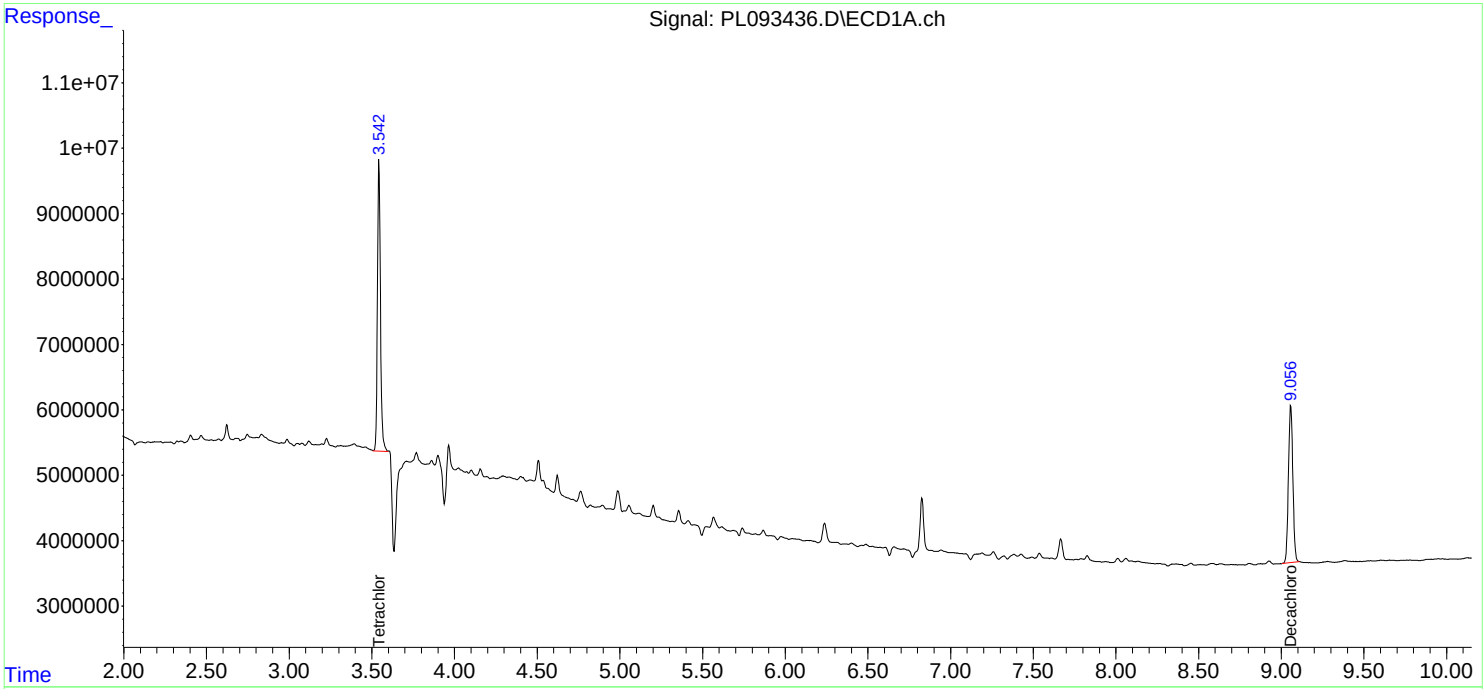
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 15:47
Operator : AR\AJ
Sample : P5306-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

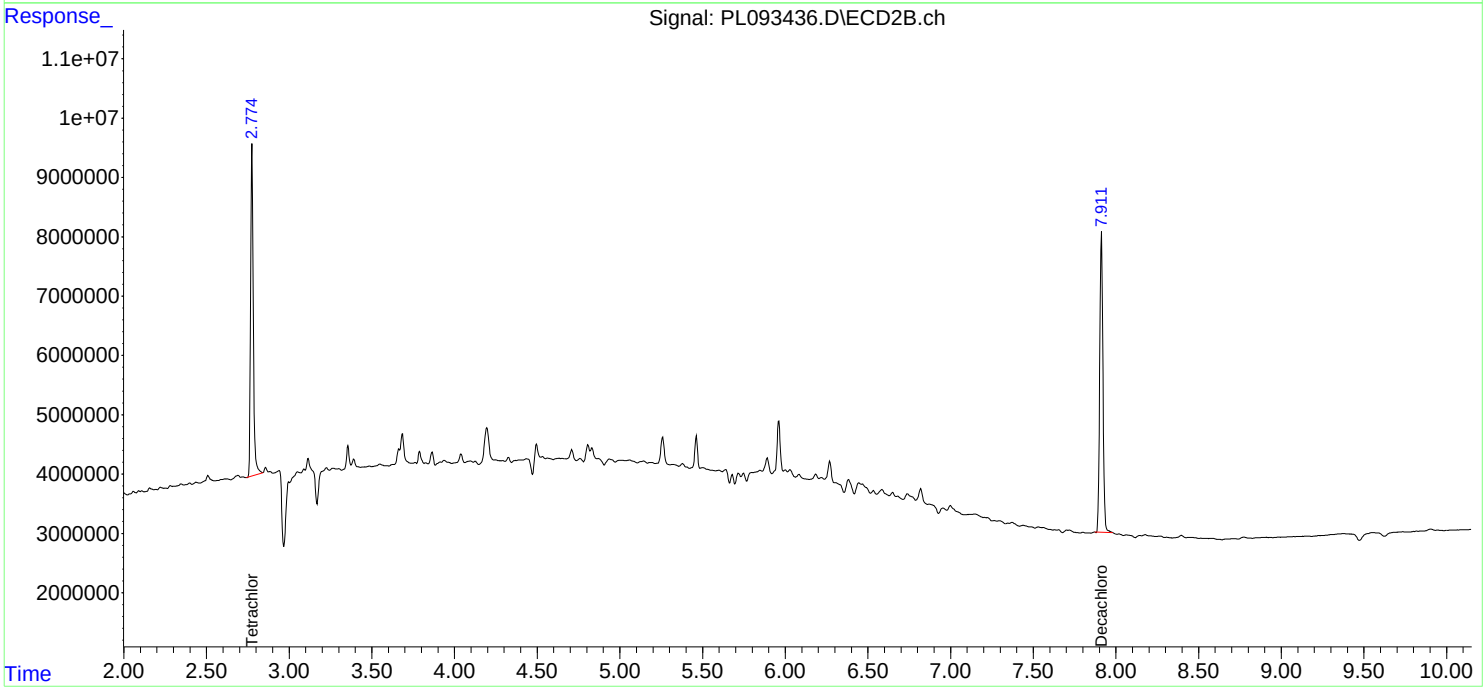
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224

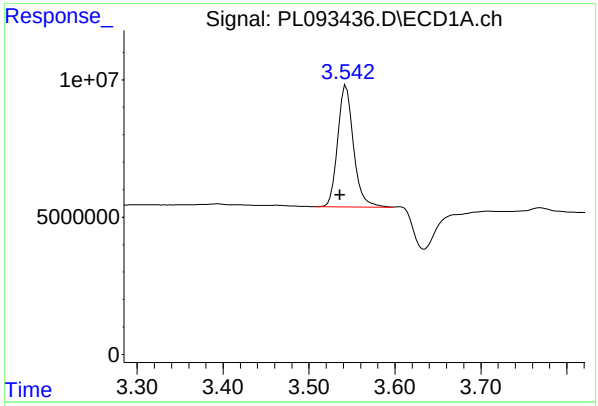
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







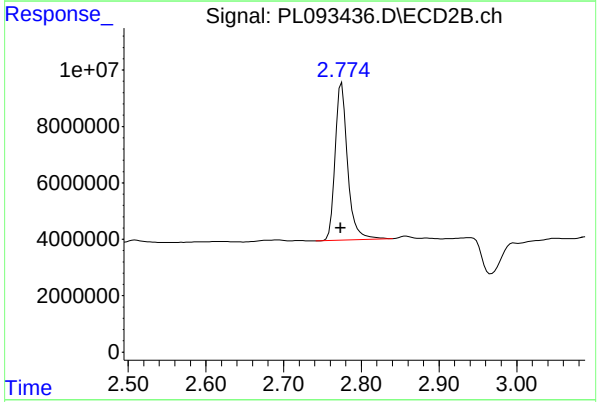
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.006 min
Response: 56444065
Conc: 21.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224

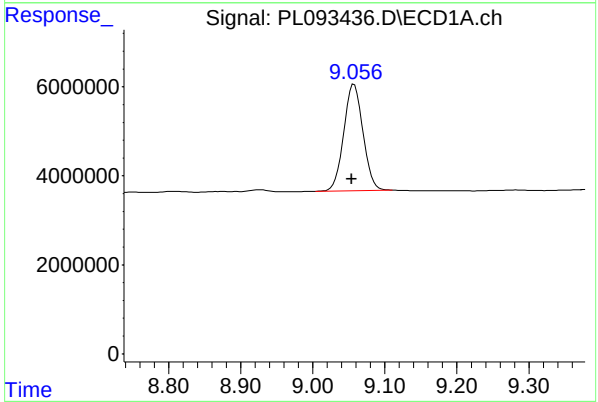
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



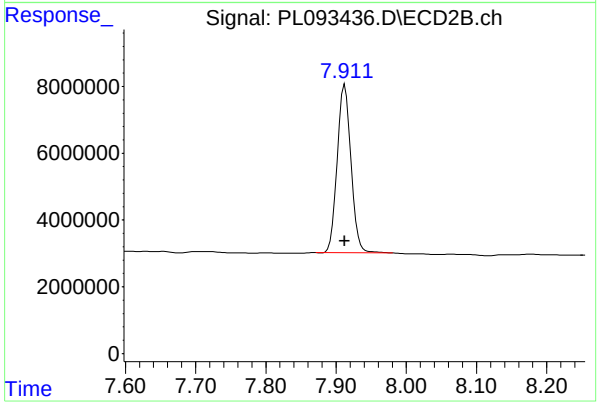
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.001 min
Response: 62562836
Conc: 21.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 44384342
Conc: 25.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 68709325
Conc: 24.05 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.6 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
PL093437.D	1	12/18/24 08:10	12/19/24 16:00	PB165704

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	0.00023	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	21.9		55 - 130		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		42 - 129		106%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	P5306
Lab Sample ID:	P5306-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.6 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
PL093437.D	1	12/18/24 08:10	12/19/24 16:00	PB165704

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\PL121924\
Data File : PL093437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:00
Operator : AR\AJ
Sample : P5306-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.774	54883373	61185534	21.117m	21.215
28)	SA Decachlor...	9.053	7.910	38154363	59624806	21.946	20.874
	Target Compounds						

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

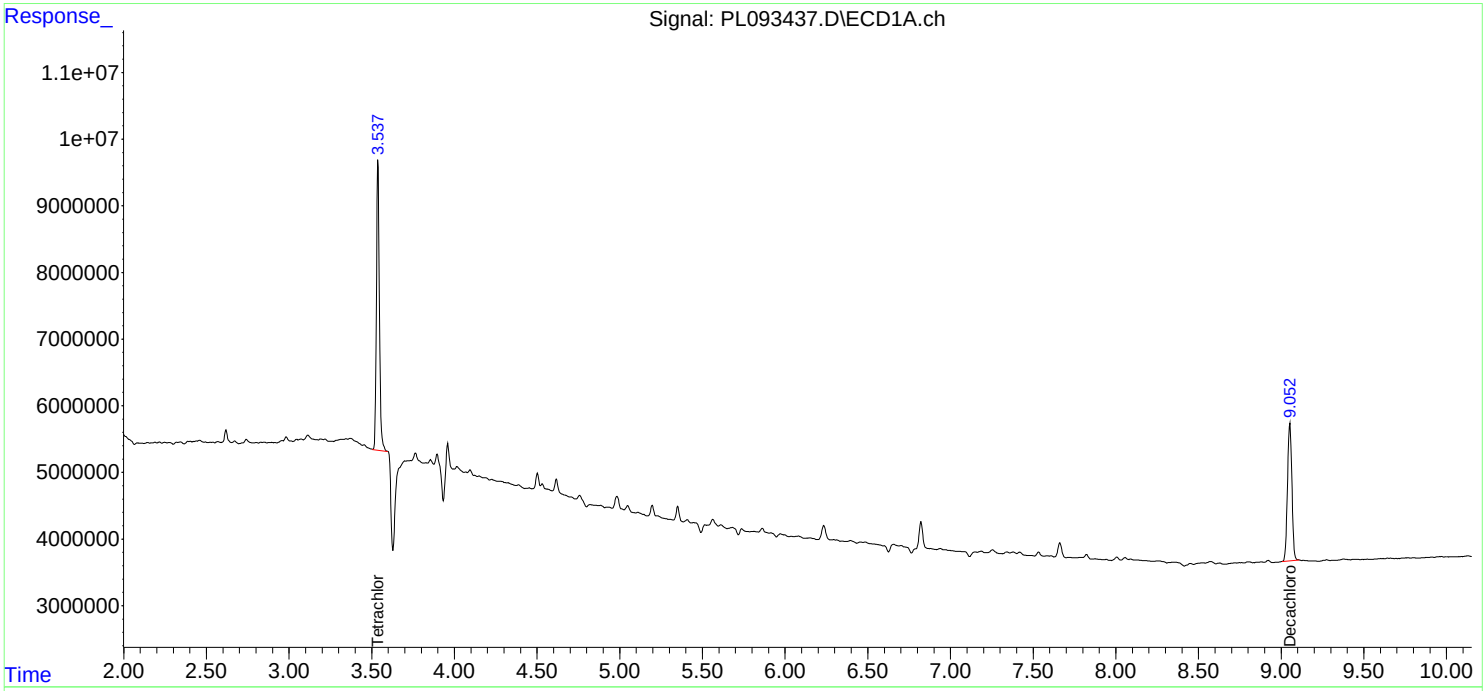
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:00
Operator : AR\AJ
Sample : P5306-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

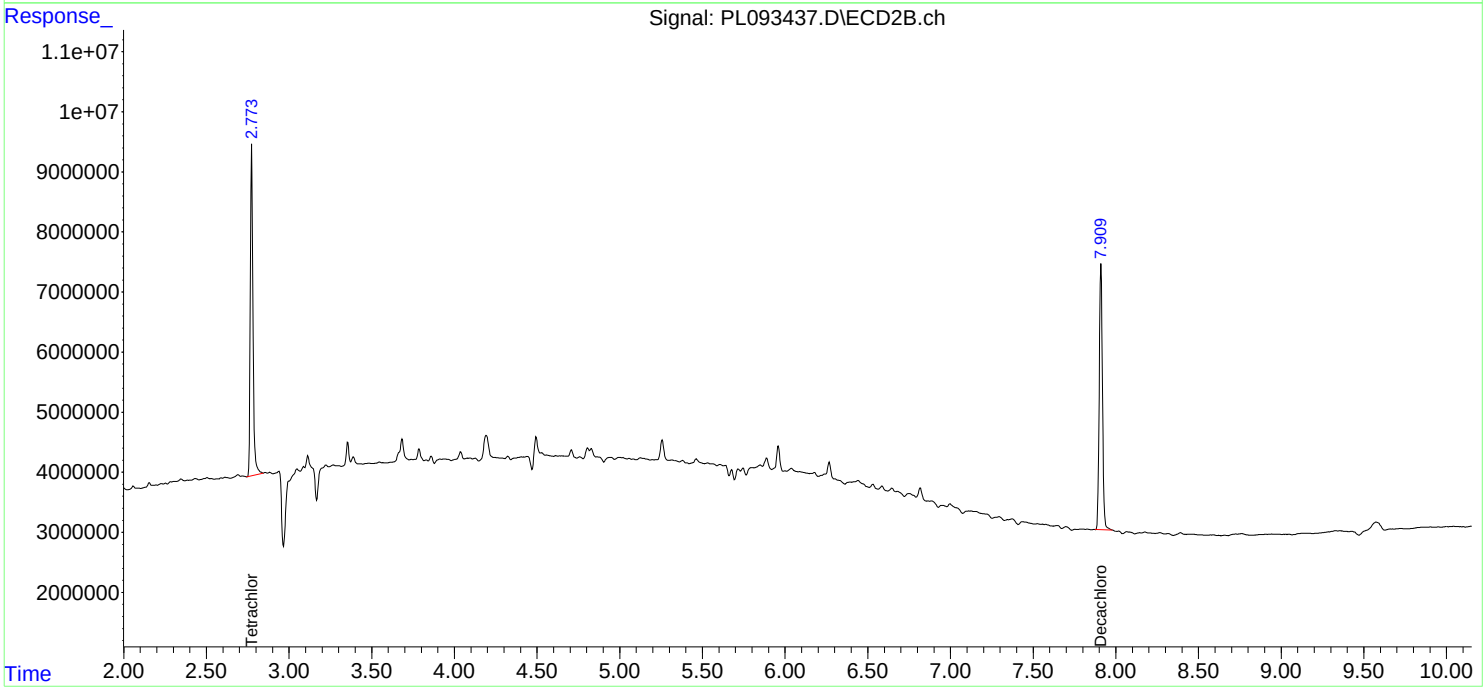
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224

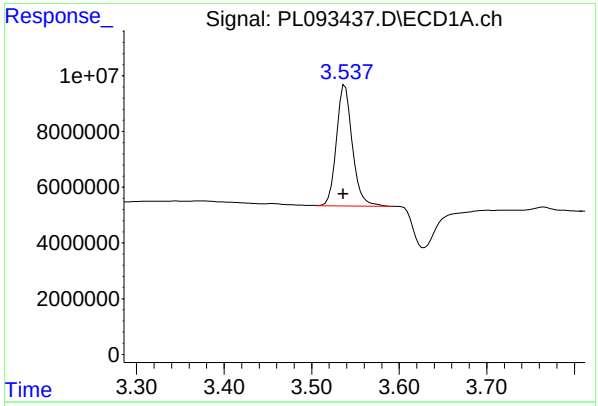
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







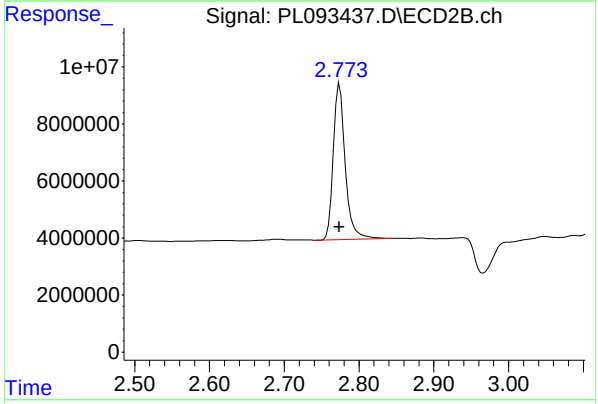
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 54883373
Conc: 21.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224

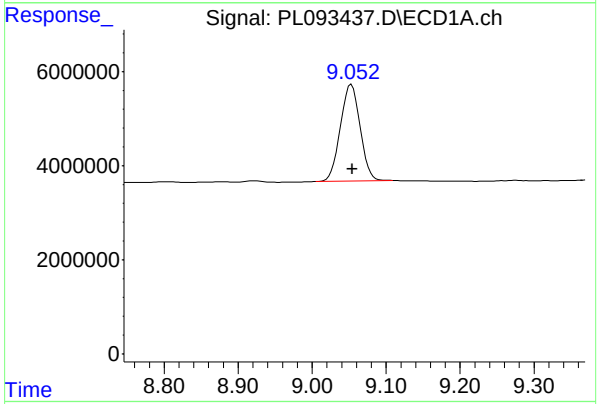
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



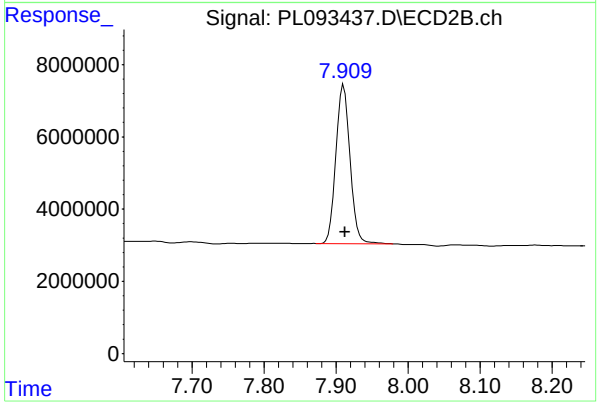
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 61185534
Conc: 21.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 38154363
Conc: 21.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 59624806
Conc: 20.87 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093438.D	1	12/18/24 08:10	12/19/24 16:14	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00052	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.00091	U	0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.00091	U	0.00016	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.00091	U	0.00018	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.8		55 - 130		109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		42 - 129		108%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	P5306
Lab Sample ID:	P5306-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093438.D	1	12/18/24 08:10	12/19/24 16:14	PB165704

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\PL121924\
Data File : PL093438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:14
Operator : AR\AJ
Sample : P5306-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-12-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	55138699	62376031	21.216	21.628
28)	SA Decachlor...	9.052	7.910	37879592	58927729	21.788	20.630
	Target Compounds						

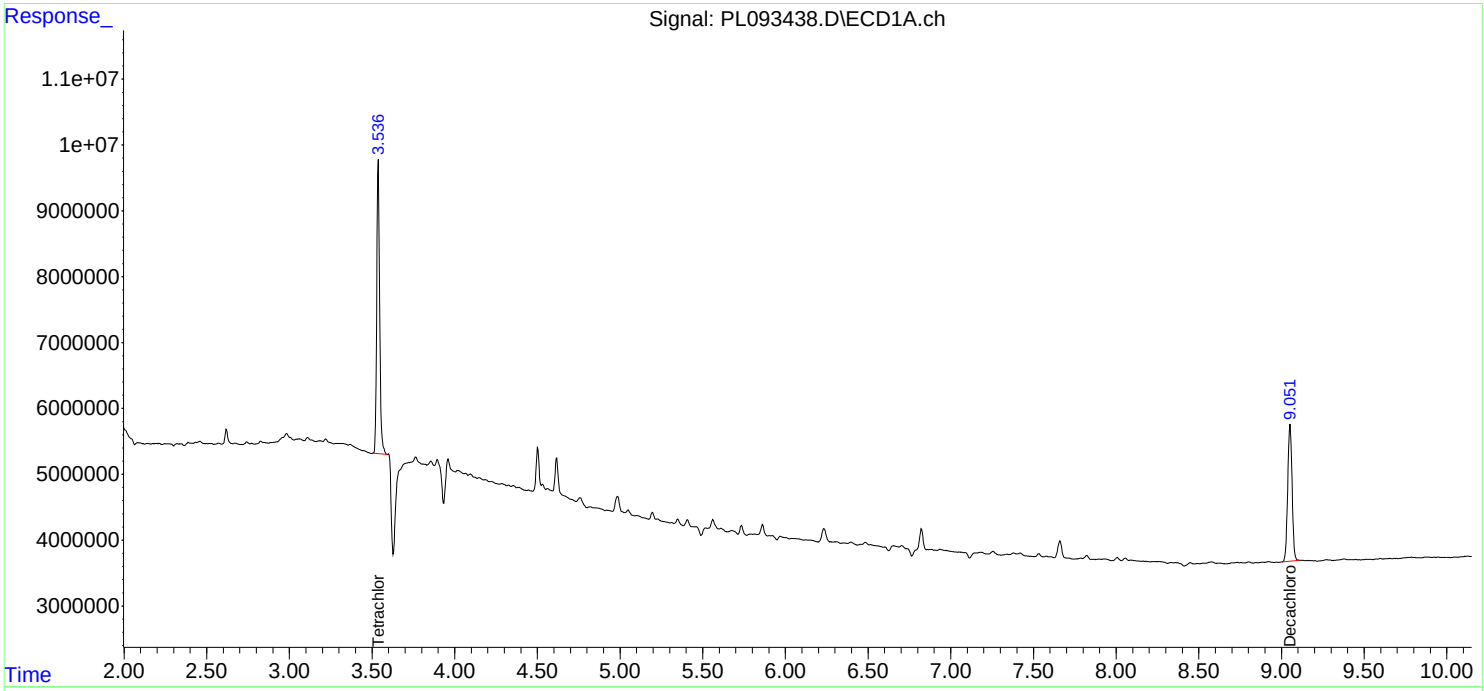
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

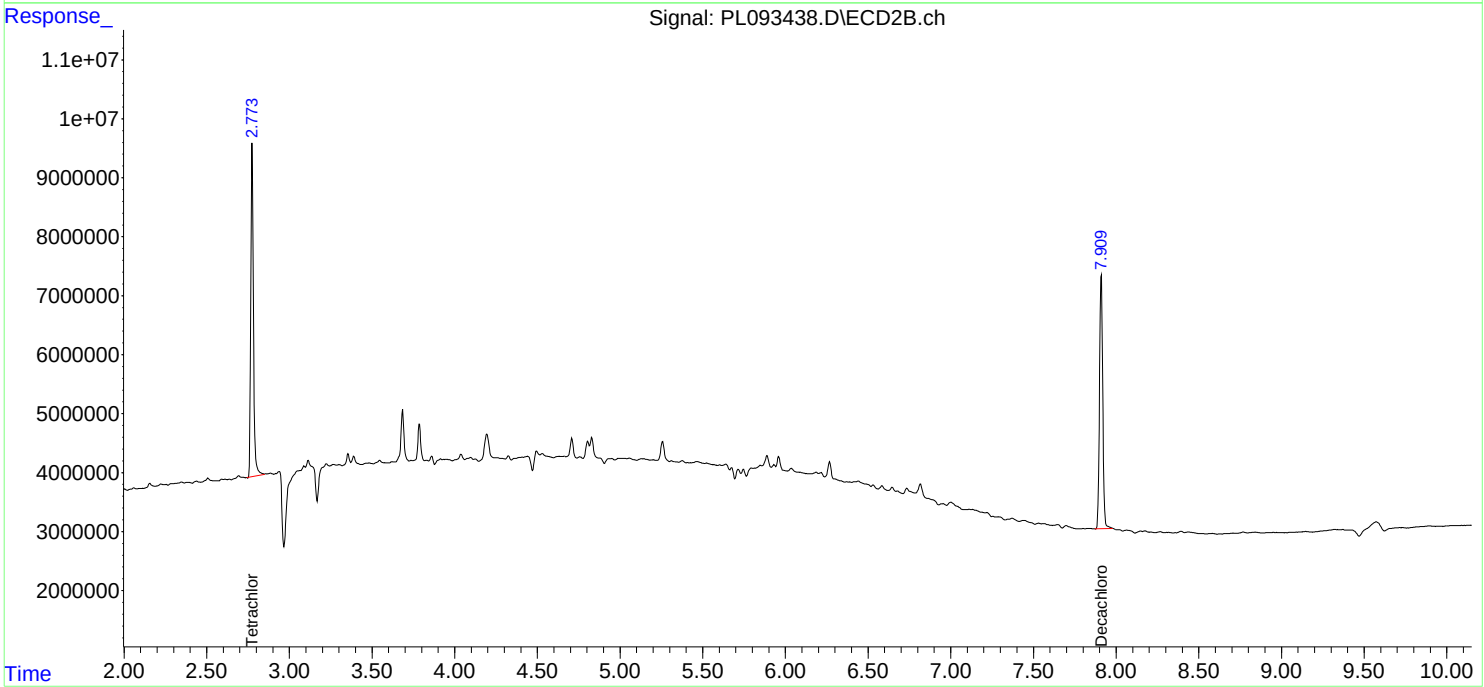
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:14
Operator : AR\AJ
Sample : P5306-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

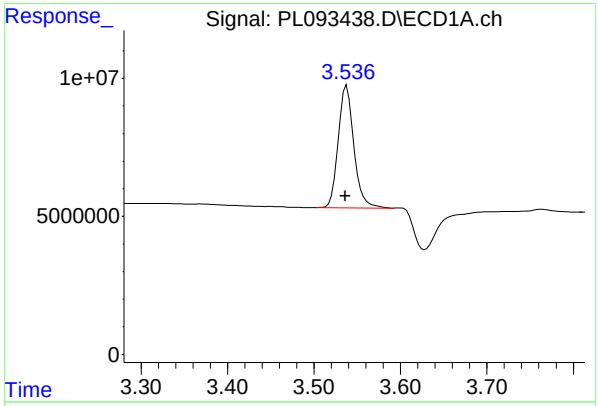
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-12-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



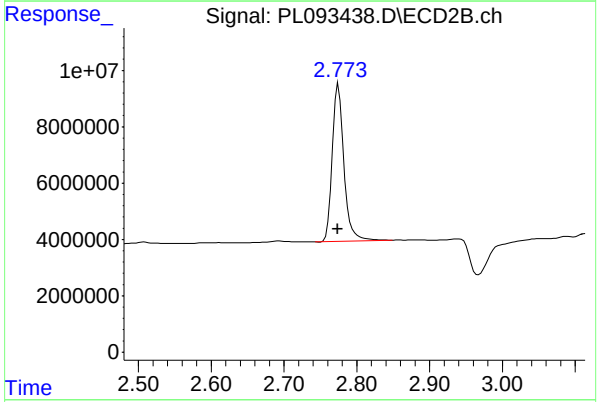




#1 Tetrachloro-m-xylene

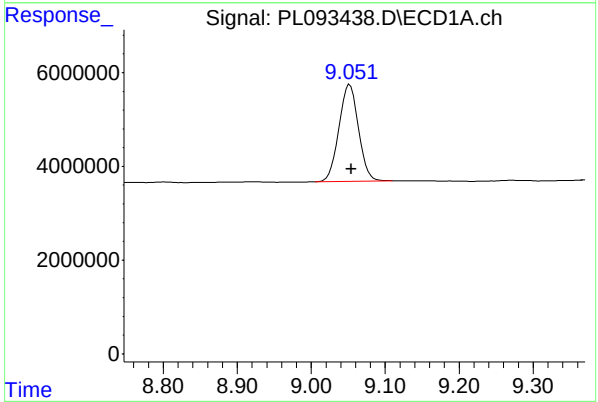
R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 55138699
Conc: 21.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-12-121224



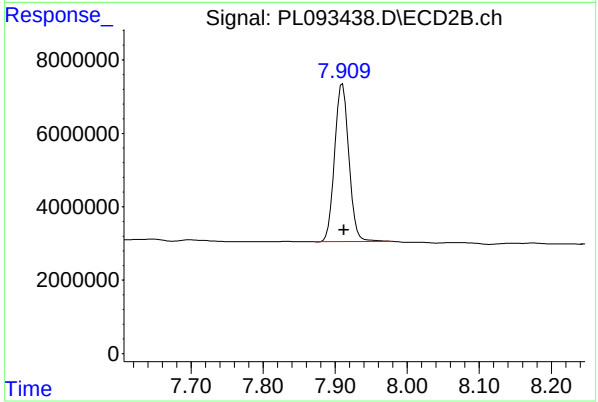
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.001 min
Response: 62376031
Conc: 21.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 37879592
Conc: 21.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 58927729
Conc: 20.63 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90 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
PL093439.D	1	12/18/24 08:10	12/19/24 16:27	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00092	U	0.00020	0.00092	0.0019	mg/Kg
319-85-7	beta-BHC	0.00092	U	0.00054	0.00092	0.0019	mg/Kg
319-86-8	delta-BHC	0.00092	U	0.00052	0.00092	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
76-44-8	Heptachlor	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
309-00-2	Aldrin	0.00092	U	0.00016	0.00092	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00092	U	0.00026	0.00092	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
60-57-1	Dieldrin	0.00092	U	0.00017	0.00092	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00092	U	0.00014	0.00092	0.0019	mg/Kg
72-20-8	Endrin	0.00092	U	0.00018	0.00092	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00092	U	0.00033	0.00092	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00092	U	0.00014	0.00092	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00092	U	0.00042	0.00092	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00092	U	0.00024	0.00092	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00092	U	0.00043	0.00092	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00092	U	0.00019	0.00092	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00092	U	0.00021	0.00092	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0058	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		55 - 130		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		42 - 129		106%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	P5306
Lab Sample ID:	P5306-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90 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
PL093439.D	1	12/18/24 08:10	12/19/24 16:27	PB165704

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\PL121924\
Data File : PL093439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:27
Operator : AR\AJ
Sample : P5306-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	55174766	60885011	21.229m	21.111
28)	SA Decachlor...	9.051	7.910	34874189	54919135	20.059	19.226
	Target Compounds						

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

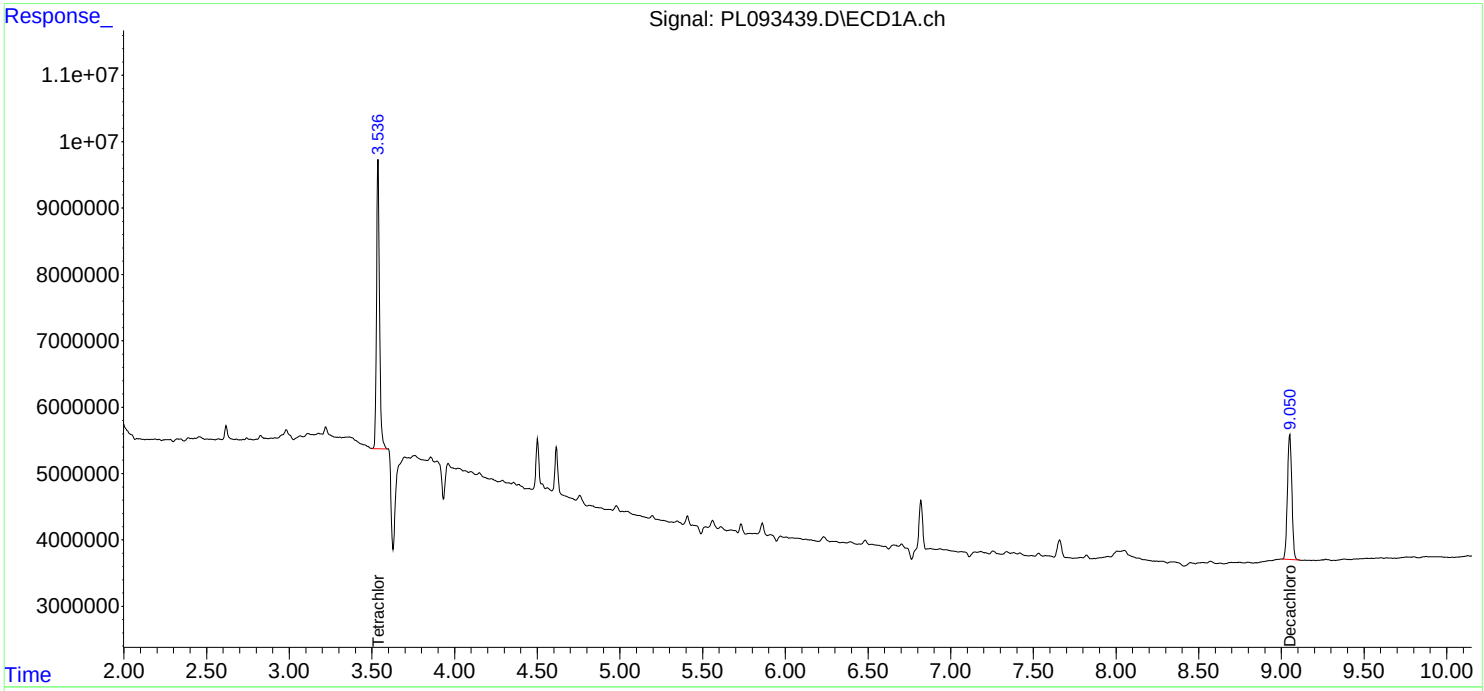
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:27
Operator : AR\AJ
Sample : P5306-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

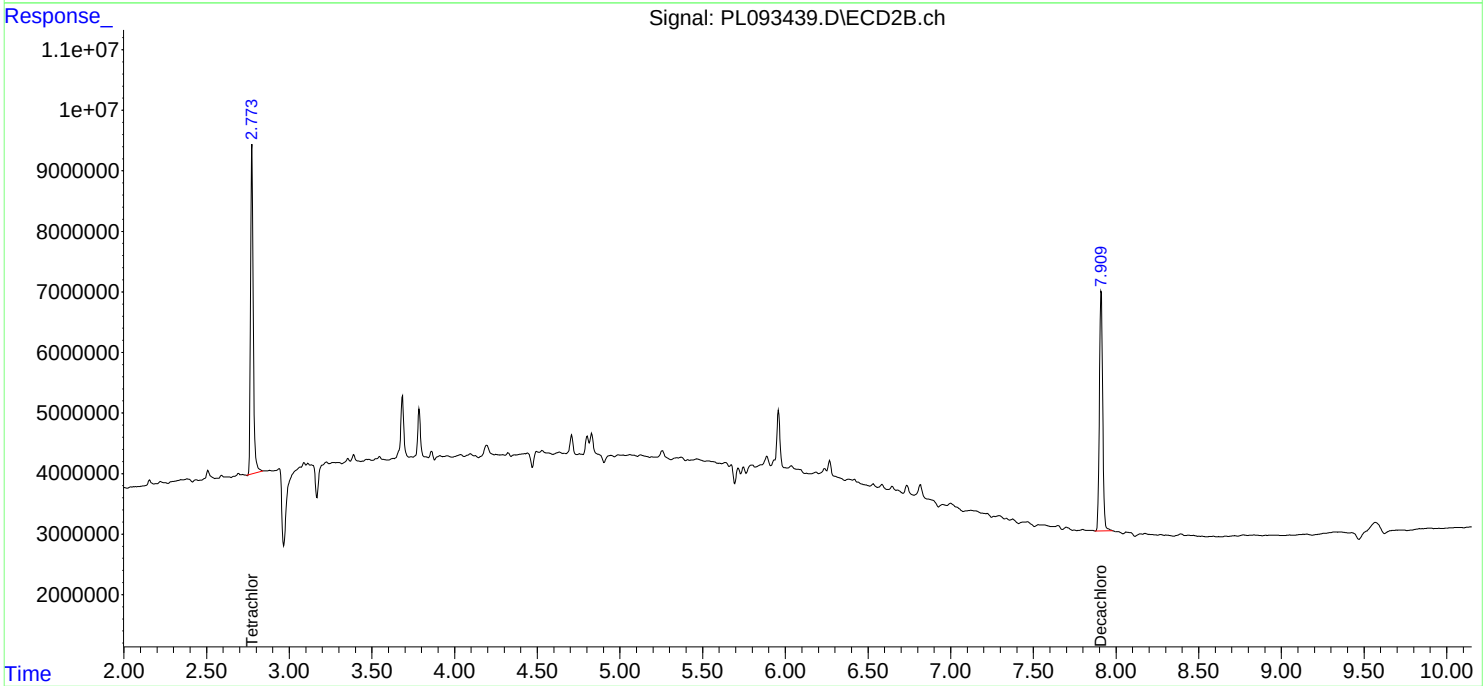
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224

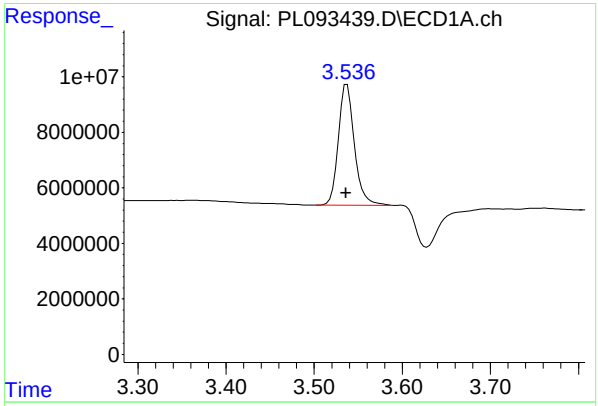
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







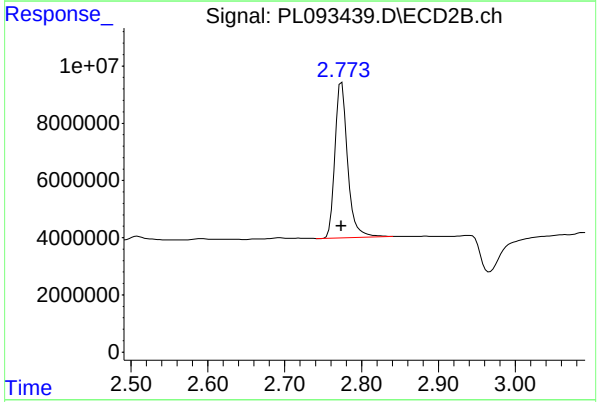
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 55174766
Conc: 21.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224

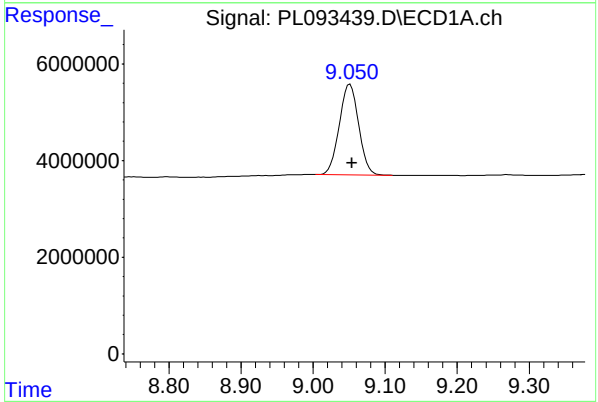
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



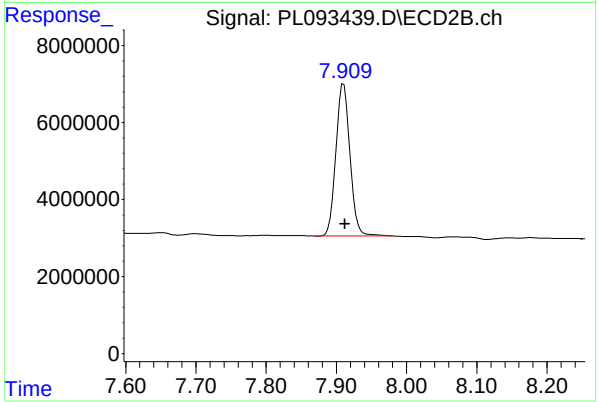
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60885011
Conc: 21.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 34874189
Conc: 20.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 54919135
Conc: 19.23 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95.9 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
PL093440.D	1	12/18/24 08:10	12/19/24 16:40	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00086	U	0.00019	0.00086	0.0018	mg/Kg
319-85-7	beta-BHC	0.00086	U	0.00051	0.00086	0.0018	mg/Kg
319-86-8	delta-BHC	0.00086	U	0.00049	0.00086	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
76-44-8	Heptachlor	0.00086	U	0.00018	0.00086	0.0018	mg/Kg
309-00-2	Aldrin	0.00086	U	0.00015	0.00086	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00086	U	0.00024	0.00086	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00086	U	0.00018	0.00086	0.0018	mg/Kg
60-57-1	Dieldrin	0.00086	U	0.00016	0.00086	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00086	U	0.00014	0.00086	0.0018	mg/Kg
72-20-8	Endrin	0.00086	U	0.00017	0.00086	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00086	U	0.00031	0.00086	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00086	U	0.00014	0.00086	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00086	U	0.00018	0.00086	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00086	U	0.00040	0.00086	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00086	U	0.00023	0.00086	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00086	U	0.00041	0.00086	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00086	U	0.00018	0.00086	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00086	U	0.00020	0.00086	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0054	0.018	0.034	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.0		55 - 130		105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		42 - 129		101%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	P5306
Lab Sample ID:	P5306-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95.9 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
PL093440.D	1	12/18/24 08:10	12/19/24 16:40	PB165704

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\PL121924\
Data File : PL093440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:40
Operator : AR\AJ
Sample : P5306-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	52682624	58349924	20.271m	20.232
28)	SA Decachlor...	9.051	7.910	36476172	57143090	20.981	20.005
	Target Compounds						

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

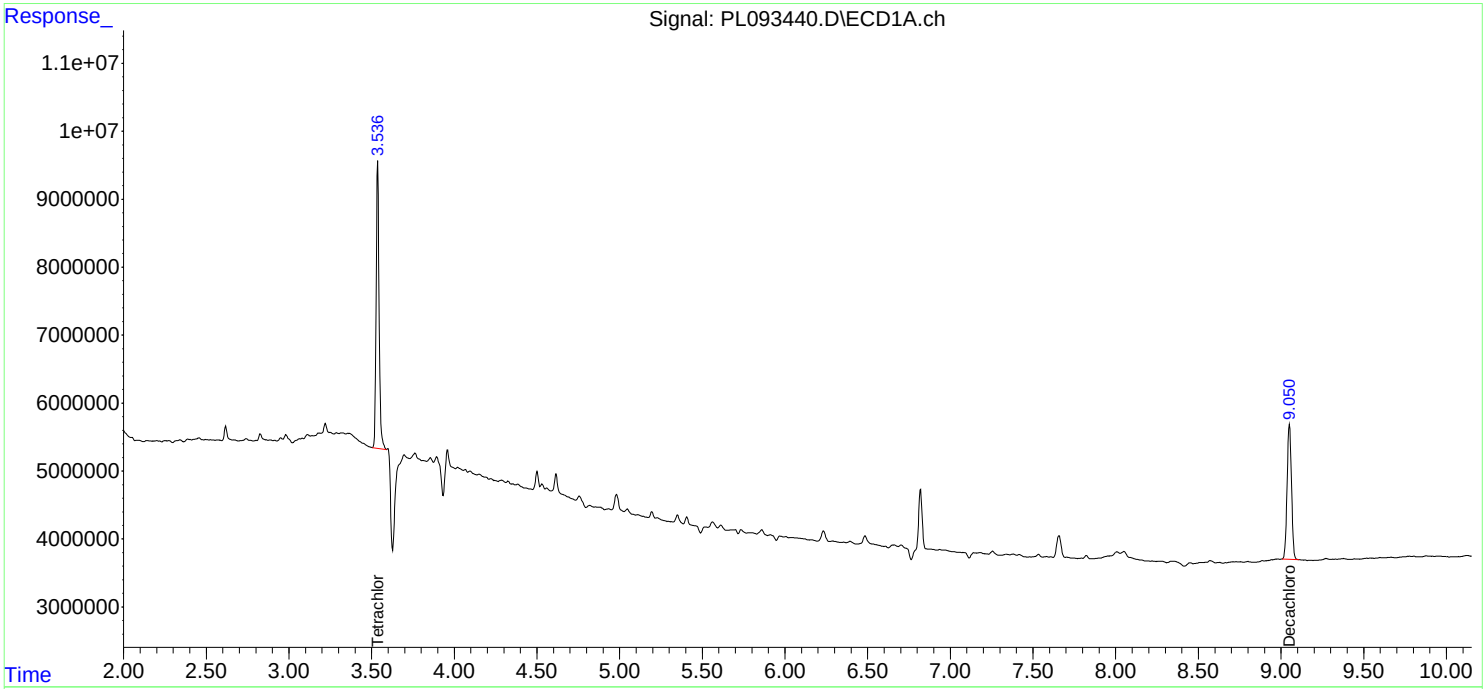
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:40
Operator : AR\AJ
Sample : P5306-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

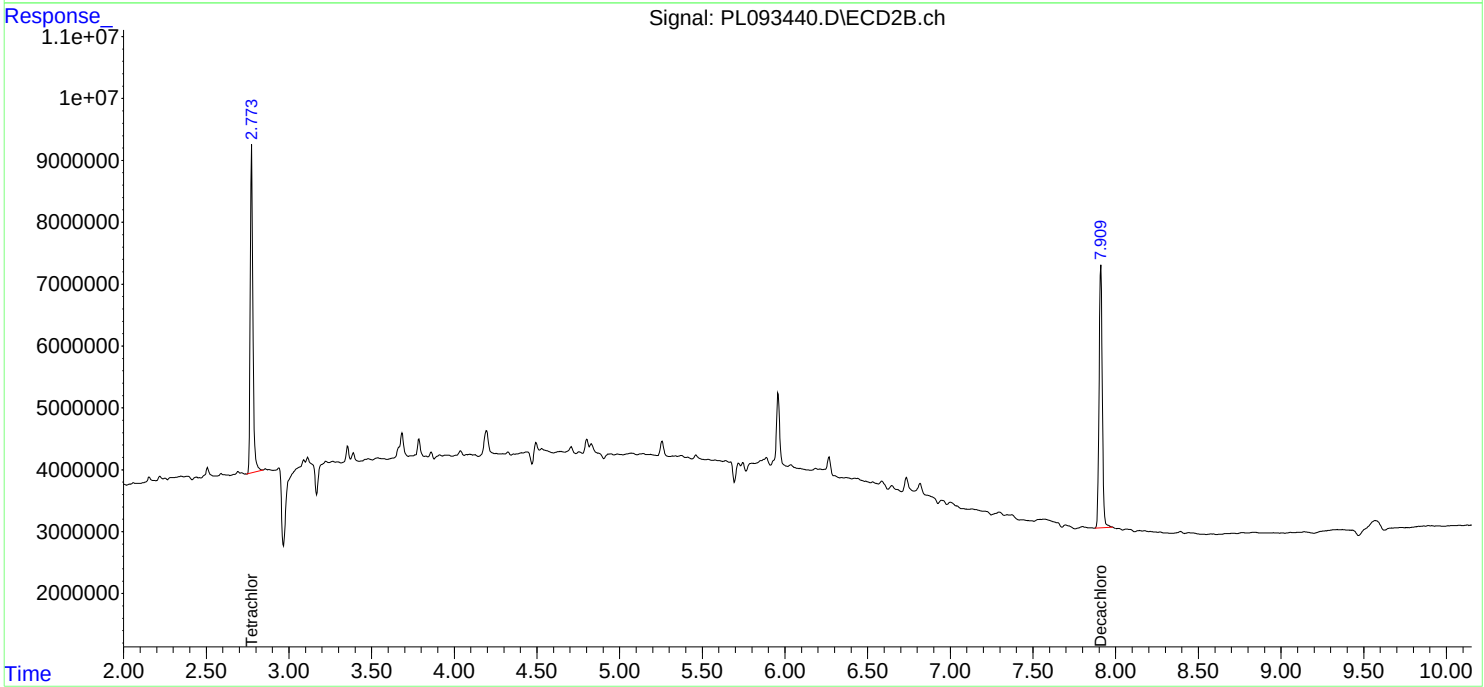
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224

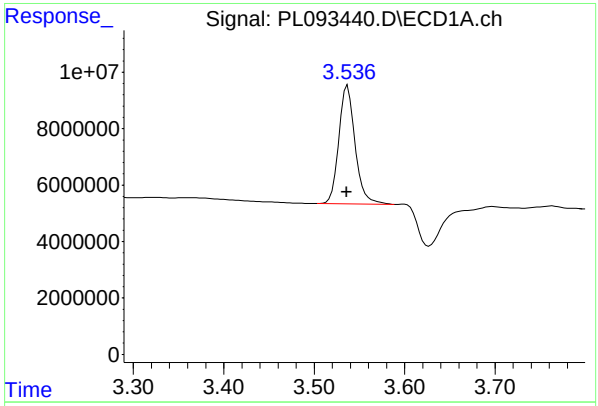
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







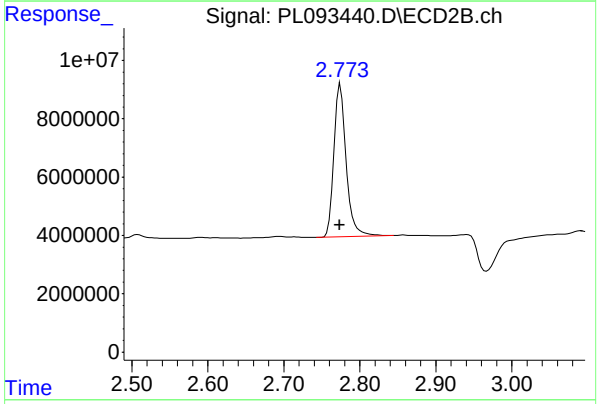
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 52682624
Conc: 20.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224

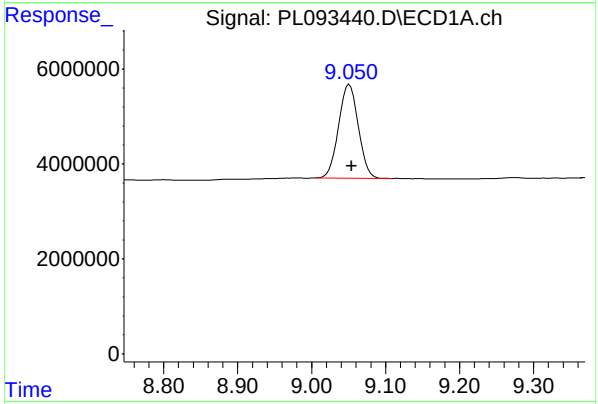
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



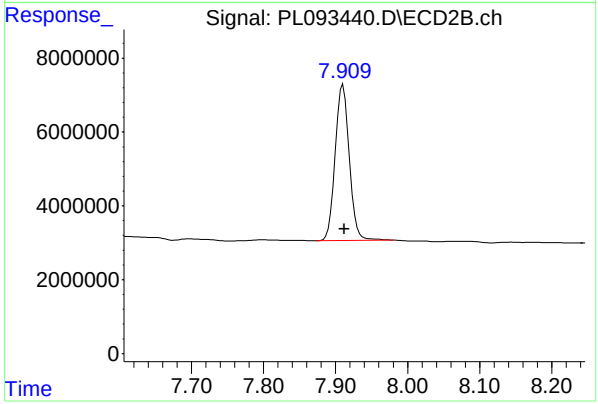
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 58349924
Conc: 20.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 36476172
Conc: 20.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 57143090
Conc: 20.00 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024

Calibration Times: 11:32 12:25

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

LAB FILE ID: RT 100 = PL093233.D RT 075 = PL093234.D

RT 050 = PL093235.D RT 025 = PL093236.D RT 005 = PL093237.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.25	5.26	5.26	5.25	5.26	5.25	5.15	5.35
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024

Calibration Times: 11:32 12:25

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

LAB FILE ID: RT 100 = PL093233.D RT 075 = PL093234.D

RT 050 = PL093235.D RT 025 = PL093236.D RT 005 = PL093237.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.78	5.79	5.78	5.79	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.03	5.93	6.13
Aldrin	4.23	4.22	4.23	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.94	3.84	4.04
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.77	2.77	2.77	2.77	2.77	2.77	2.67	2.87

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024

Calibration Times: 11:32 12:25

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

LAB FILE ID: **CF 100 =** PL093233.D **CF 075 =** PL093234.D

CF 050 = PL093235.D **CF 025 =** PL093236.D **CF 005 =** PL093237.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1733160000	1808650000	1850720000	1925860000	1843070000	1832290000	4
4,4'-DDE	2221210000	2350500000	2360510000	2470590000	2293780000	2339320000	4
4,4'-DDT	1832790000	1947390000	1967960000	2054550000	1836470000	1927830000	5
Aldrin	2864930000	2979570000	3025940000	3161520000	3003890000	3007170000	4
alpha-BHC	3546710000	3634980000	3627190000	3670430000	3362830000	3568430000	3
alpha-Chlordane	2430330000	2540140000	2604520000	2738720000	2641650000	2591070000	4
beta-BHC	1384220000	1466250000	1517740000	1604570000	1575890000	1509730000	6
Decachlorobiphenyl	1636890000	1805930000	1768720000	1908190000	1572960000	1738540000	8
delta-BHC	3155870000	3296970000	3306540000	3378330000	3405360000	3308610000	3
Dieldrin	2424230000	2526570000	2583130000	2696740000	2585100000	2563150000	4
Endosulfan I	2275880000	2386120000	2450130000	2582940000	2475880000	2434190000	5
Endosulfan II	2033520000	2140370000	2196030000	2317560000	2214970000	2180490000	5
Endosulfan sulfate	1881360000	2004670000	2075560000	2212740000	2189070000	2072680000	7
Endrin	2015080000	2111400000	2119300000	2210550000	2031060000	2097480000	4
Endrin aldehyde	1649060000	1756470000	1821370000	1931170000	1874990000	1806610000	6
Endrin ketone	2123010000	2264080000	2312310000	2402800000	2244090000	2269260000	5
gamma-BHC (Lindane)	3326530000	3429060000	3428820000	3506080000	3202850000	3378670000	3
gamma-Chlordane	2443050000	2553070000	2611370000	2729700000	2544520000	2576340000	4
Heptachlor	2864790000	3012490000	3073870000	3224760000	3104640000	3056110000	4
Heptachlor epoxide	2543640000	2658750000	2760050000	2916940000	3004070000	2776690000	7
Methoxychlor	967946000	1047180000	1075670000	1125030000	1008580000	1044880000	6
Tetrachloro-m-xylene	2478960000	2567570000	2623850000	2737290000	2587160000	2598970000	4

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024

Calibration Times: 11:32 12:25

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

LAB FILE ID: **CF 100 =** PL093233.D **CF 075 =** PL093234.D

CF 050 = PL093235.D **CF 025 =** PL093236.D **CF 005 =** PL093237.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2938310000	3008290000	2954750000	2869940000	2245840000	2803430000	11
4,4'-DDE	3669800000	3789570000	3752520000	3699990000	2988240000	3580020000	9
4,4'-DDT	3053250000	3213950000	3132520000	3008670000	2400480000	2961770000	11
Aldrin	4176660000	4246280000	4177830000	4064810000	3228690000	3978850000	11
alpha-BHC	4584280000	4598400000	4521370000	4323420000	3319640000	4269420000	13
alpha-Chlordane	3719860000	3823200000	3792490000	3768450000	3047300000	3630260000	9
beta-BHC	1761950000	1816770000	1832380000	1861530000	1621710000	1778870000	5
Decachlorobiphenyl	2704170000	2907150000	2926840000	3026130000	2717990000	2856460000	5
delta-BHC	4412200000	4529140000	4463710000	4313560000	3613930000	4266510000	9
Dieldrin	3827290000	3925470000	3861790000	3769600000	3043370000	3685500000	10
Endosulfan I	3413930000	3518860000	3499260000	3473610000	2809170000	3342970000	9
Endosulfan II	3179530000	3325230000	3323650000	3252480000	2764060000	3168990000	7
Endosulfan sulfate	2980440000	3120030000	3136930000	3121900000	2839030000	3039660000	4
Endrin	3285480000	3406140000	3321940000	3229670000	2703080000	3189260000	9
Endrin aldehyde	2545460000	2667110000	2697560000	2712350000	2489180000	2622330000	4
Endrin ketone	3347660000	3504860000	3520530000	3507430000	2904580000	3357010000	8
gamma-BHC (Lindane)	4399940000	4444240000	4357890000	4207630000	3289050000	4139750000	12
gamma-Chlordane	3799680000	3886170000	3841520000	3815830000	3182360000	3705110000	8
Heptachlor	4159950000	4268960000	4232300000	4183330000	3383120000	4045530000	9
Heptachlor epoxide	3721420000	3819960000	3803570000	3789800000	3076170000	3642180000	9
Methoxychlor	1485570000	1583520000	1588980000	1627540000	1349090000	1526940000	7
Tetrachloro-m-xylene	2925820000	2968760000	2977700000	3001480000	2546340000	2884020000	7

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Date(s) Analyzed:** 11/25/2024 11/25/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.23	6.13	6.33	24617300
		2	6.44	6.34	6.54	14127800
		3	7.06	6.96	7.16	77602600
		4	7.15	7.05	7.25	57658100
		5	7.93	7.83	8.03	42510000

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Instrument ID: ECD_L **Date(s) Analyzed:** 11/25/2024 11/25/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.00	4.90	5.10	21944300
		2	5.33	5.23	5.43	22442000
		3	5.69	5.59	5.79	24171900
		4	6.60	6.50	6.70	75449400
		5	7.04	6.94	7.14	73811300

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:32
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: Nov 25 13:49:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	247.9E6	292.6E6	97.160	99.121
28) SA	Decachlor...	9.053	7.912	163.7E6	270.4E6	96.129	96.046
	Target Compounds						
2) A	alpha-BHC	3.991	3.276	354.7E6	458.4E6	98.878	100.691
3) MA	gamma-BHC...	4.324	3.607	332.7E6	440.0E6	98.486	100.480
4) MA	Heptachlor	4.912	3.945	286.5E6	416.0E6	96.479	99.138
5) MB	Aldrin	5.254	4.225	286.5E6	417.7E6	97.267	99.986
6) B	beta-BHC	4.522	3.906	138.4E6	176.2E6	95.399	98.041
7) B	delta-BHC	4.769	4.135	315.6E6	441.2E6	97.668	99.420
8) B	Heptachlo...	5.680	4.727	254.4E6	372.1E6	95.920	98.908
9) A	Endosulfan I	6.066	5.097	227.6E6	341.4E6	96.313	98.766
10) B	gamma-Chl...	5.937	4.977	244.3E6	380.0E6	96.670	99.452
11) B	alpha-Chl...	6.016	5.041	243.0E6	372.0E6	96.540	99.033
12) B	4,4'-DDE	6.189	5.230	222.1E6	367.0E6	96.960	98.886
13) MA	Dieldrin	6.341	5.362	242.4E6	382.7E6	96.827	99.551
14) MA	Endrin	6.571	5.637	201.5E6	328.5E6	97.479	99.448
15) B	Endosulfa...	6.791	5.932	203.4E6	318.0E6	96.158	97.784
16) A	4,4'-DDD	6.707	5.785	173.3E6	293.8E6	96.720	99.721
17) MA	4,4'-DDT	7.020	6.035	183.3E6	305.3E6	96.444	98.718
18) B	Endrin al...	6.921	6.111	164.9E6	254.5E6	95.035	97.099
19) B	Endosulfa...	7.156	6.334	188.1E6	298.0E6	95.092	97.442
20) A	Methoxychlor	7.497	6.610	96794611	148.6E6	94.729	96.637
21) B	Endrin ke...	7.641	6.839	212.3E6	334.8E6	95.732	97.483
22)	Mirex	8.114	7.019	163.6E6	258.7E6	94.396	96.295

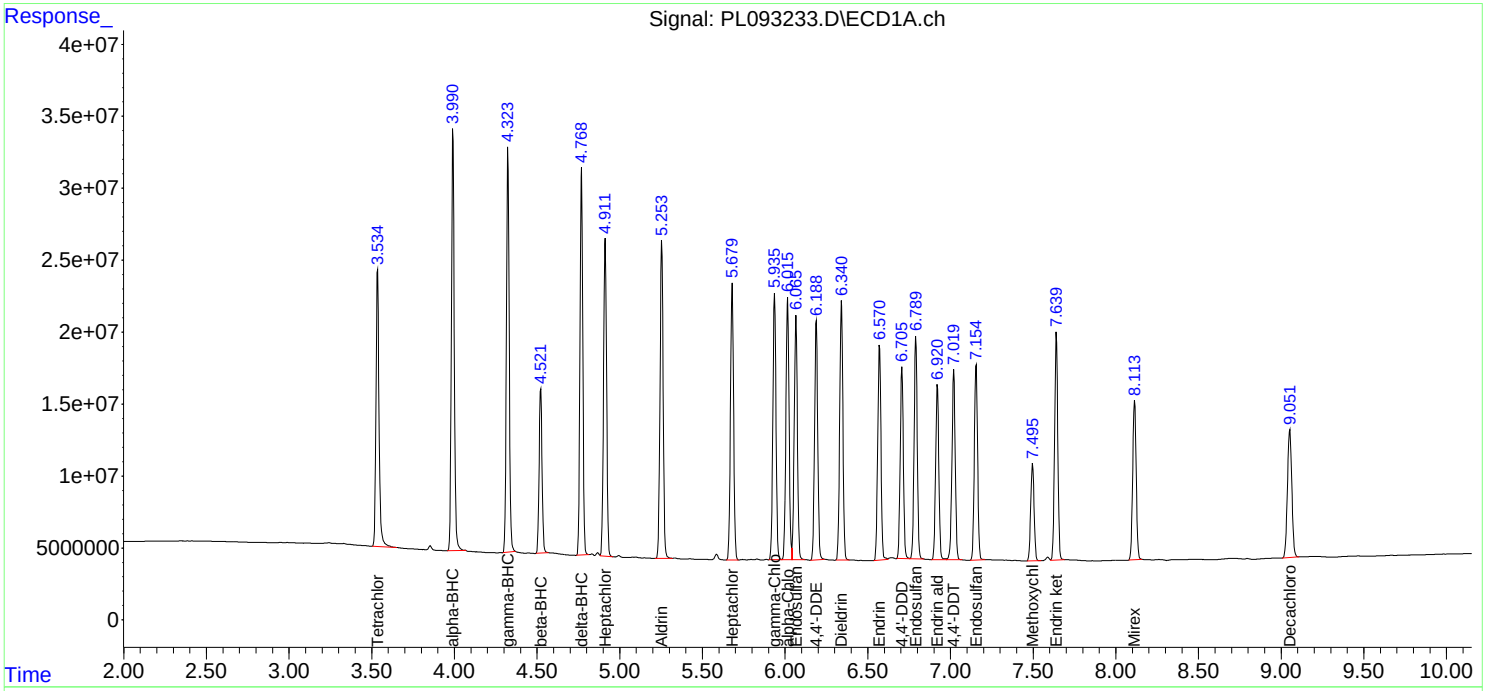
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

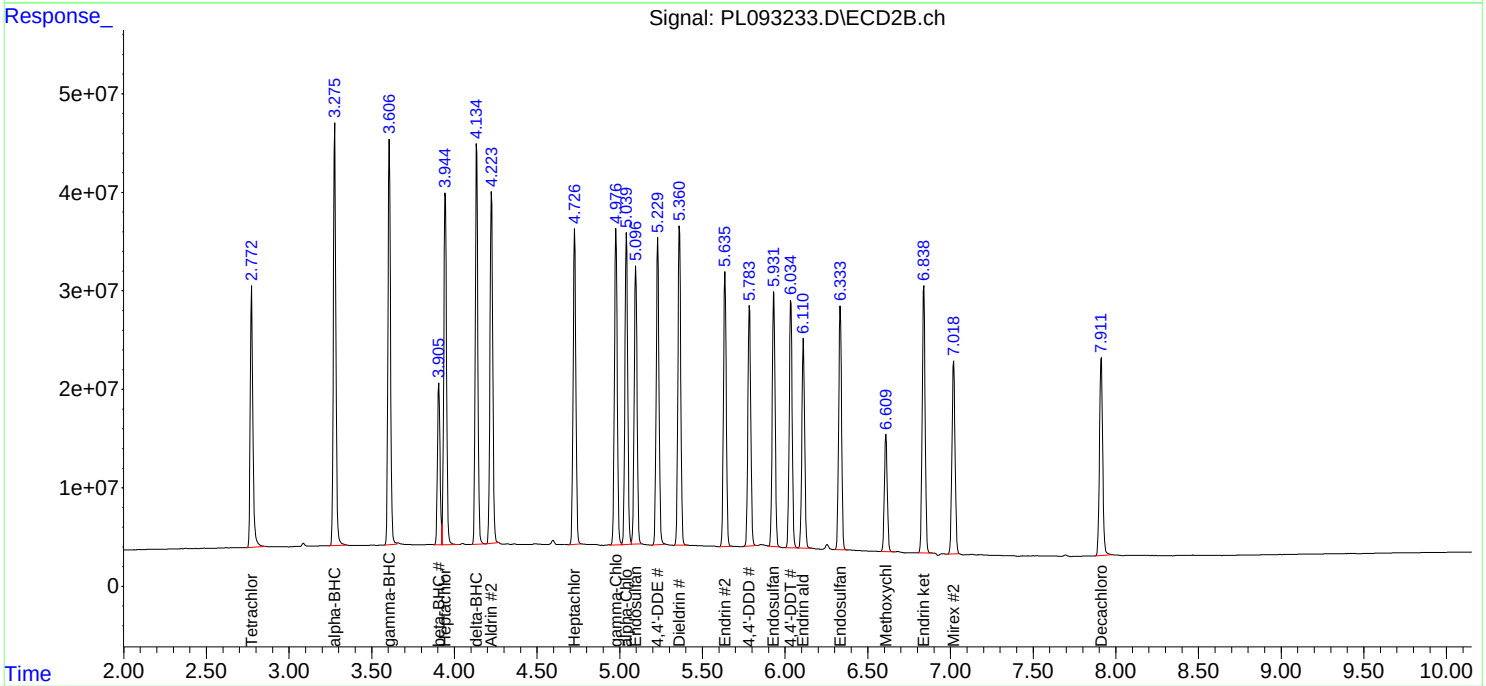
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:32
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

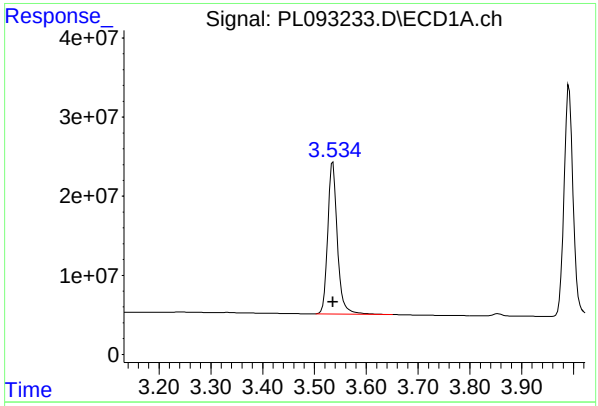
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:49:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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



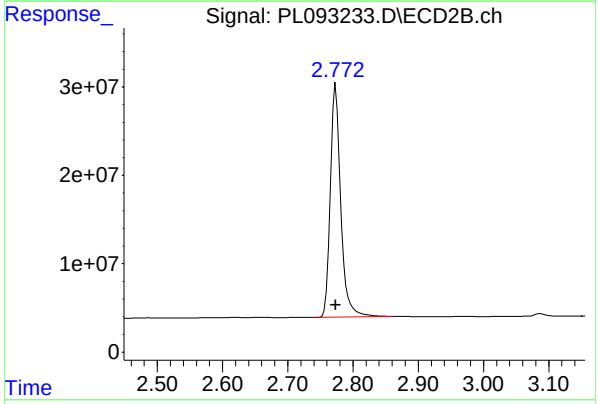




#1 Tetrachloro-m-xylene

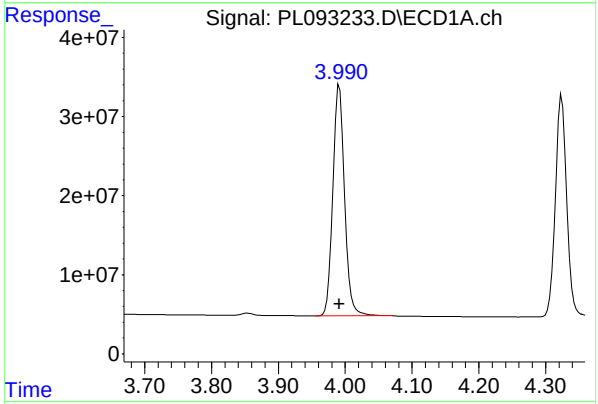
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 247895655
Conc: 97.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



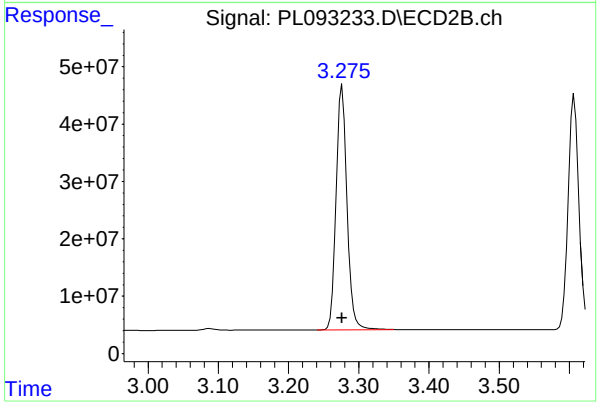
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 292582315
Conc: 99.12 ng/ml



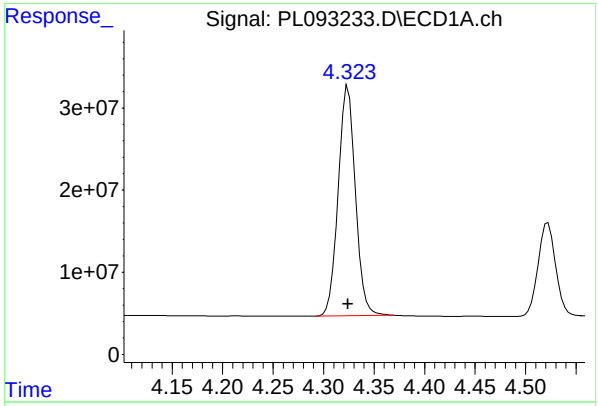
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 354671280
Conc: 98.88 ng/ml



#2 alpha-BHC

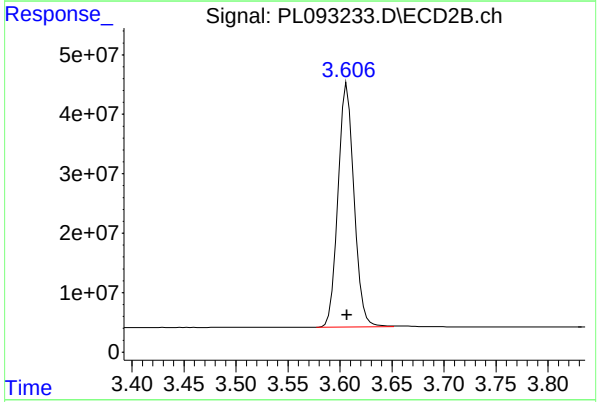
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 458427795
Conc: 100.69 ng/ml



#3 gamma-BHC (Lindane)

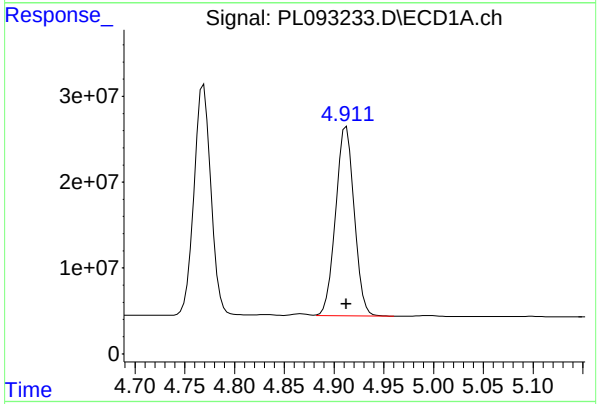
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 332652863
Conc: 98.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



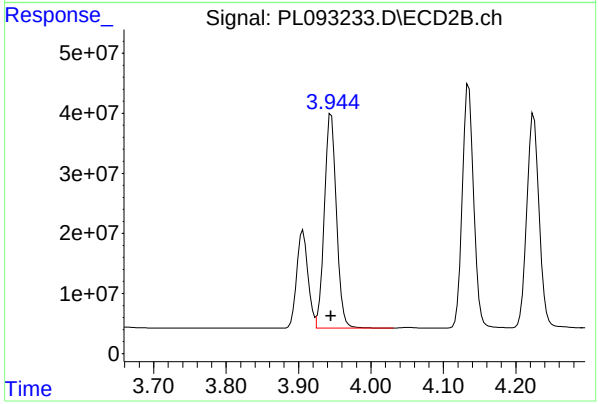
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 439993613
Conc: 100.48 ng/ml



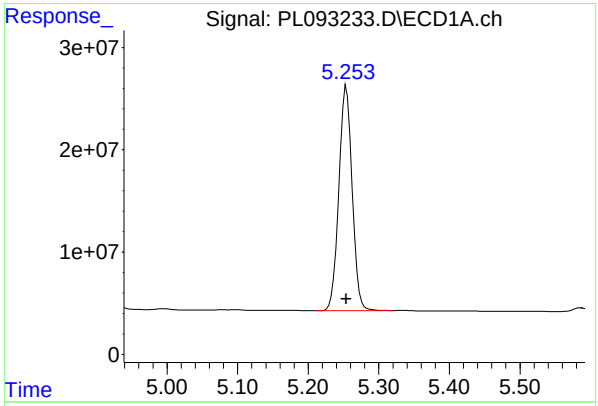
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: 0.000 min
Response: 286478890
Conc: 96.48 ng/ml



#4 Heptachlor

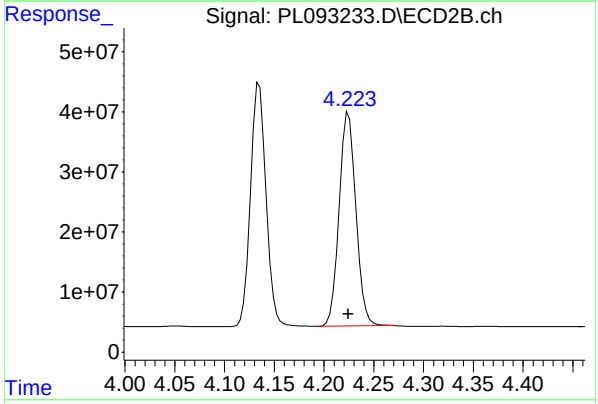
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 415994522
Conc: 99.14 ng/ml



#5 Aldrin

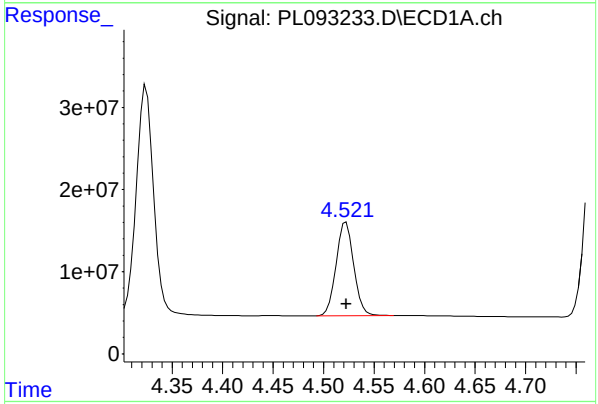
R.T.: 5.254 min
Delta R.T.: 0.000 min
Response: 286493215
Conc: 97.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



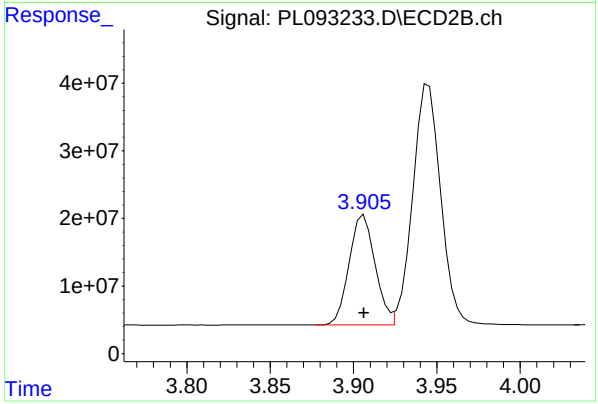
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 417666327
Conc: 99.99 ng/ml



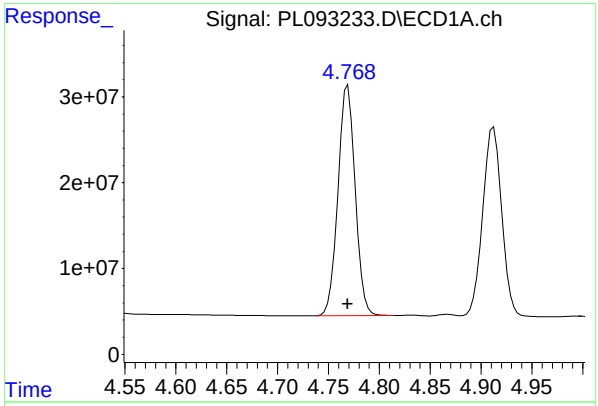
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 138421691
Conc: 95.40 ng/ml



#6 beta-BHC

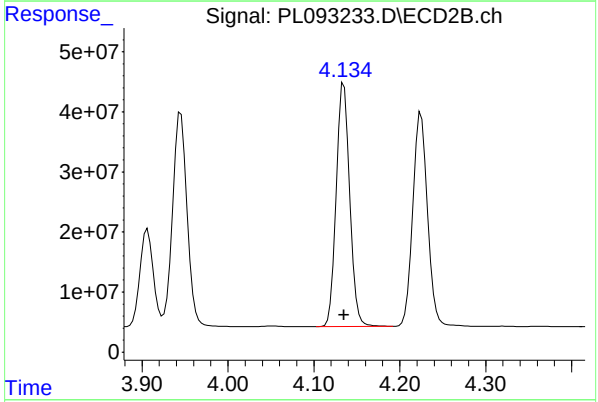
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 176194938
Conc: 98.04 ng/ml



#7 delta-BHC

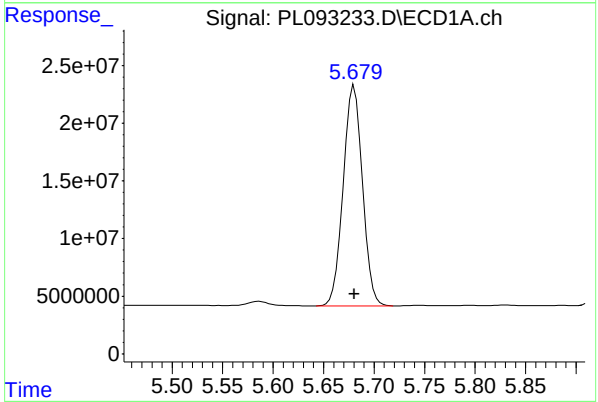
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 315586901
Conc: 97.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



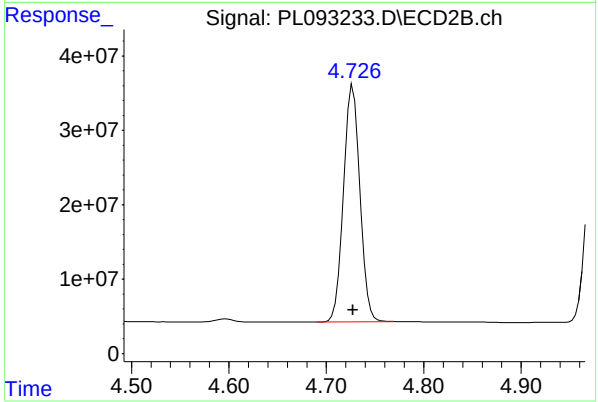
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 441219747
Conc: 99.42 ng/ml



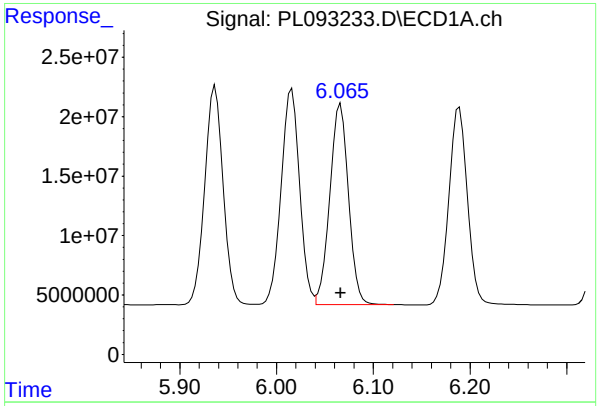
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: 0.000 min
Response: 254364369
Conc: 95.92 ng/ml



#8 Heptachlor epoxide

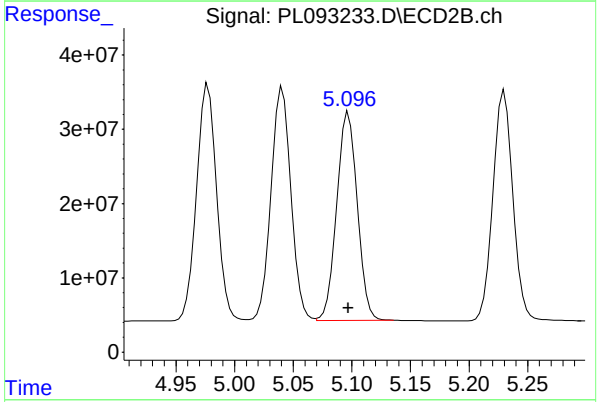
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 372142043
Conc: 98.91 ng/ml



#9 Endosulfan I

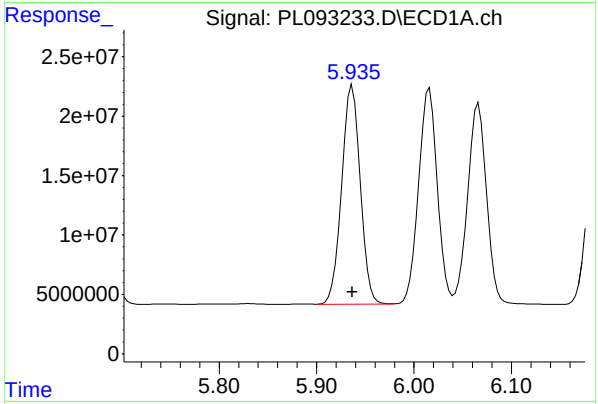
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 227587824
Conc: 96.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



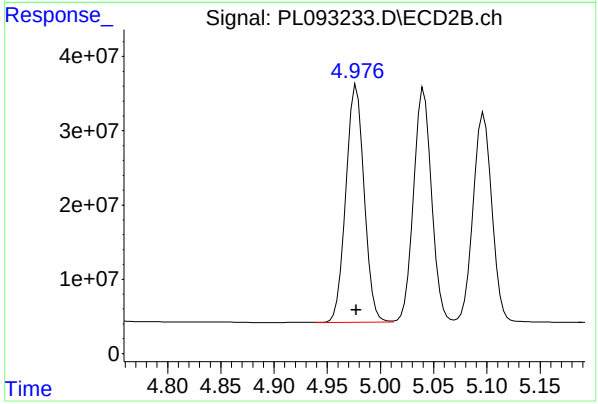
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 341393252
Conc: 98.77 ng/ml



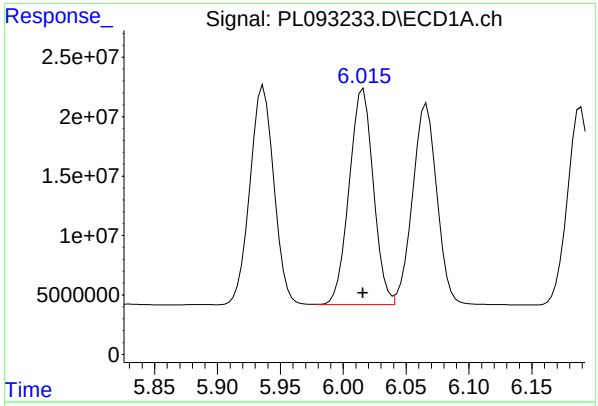
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 244305364
Conc: 96.67 ng/ml



#10 gamma-Chlordane

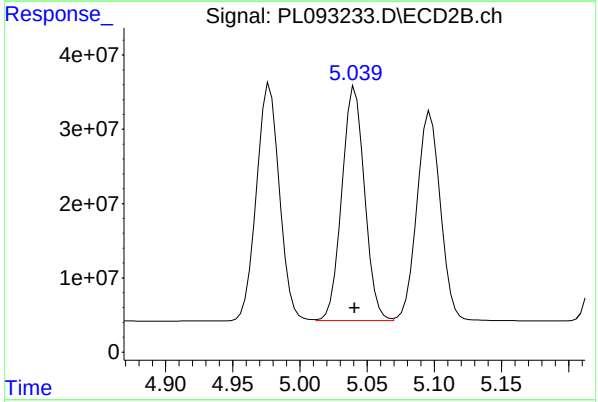
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 379967622
Conc: 99.45 ng/ml



#11 alpha-Chlordane

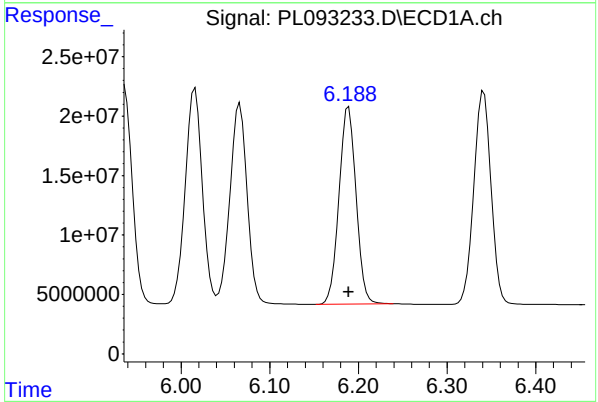
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 243033064
Conc: 96.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



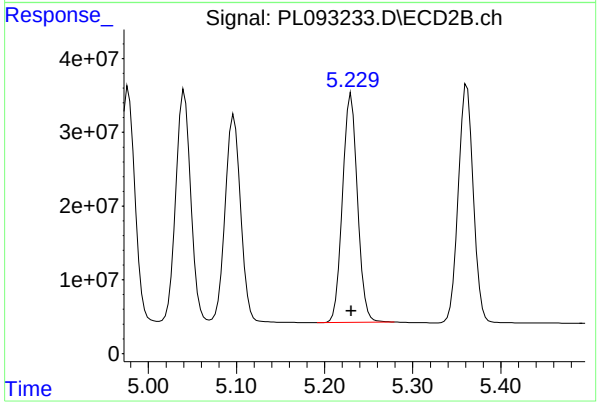
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 371986313
Conc: 99.03 ng/ml



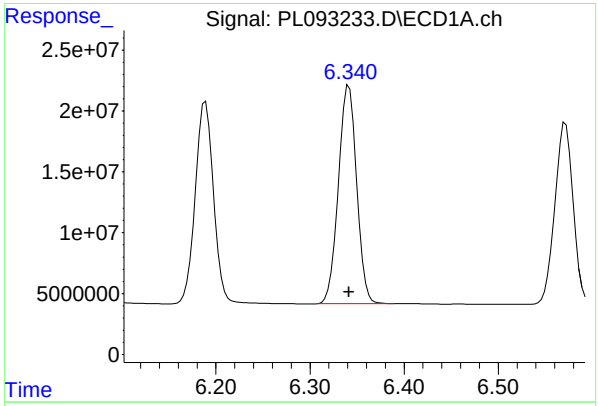
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 222121297
Conc: 96.96 ng/ml



#12 4,4'-DDE

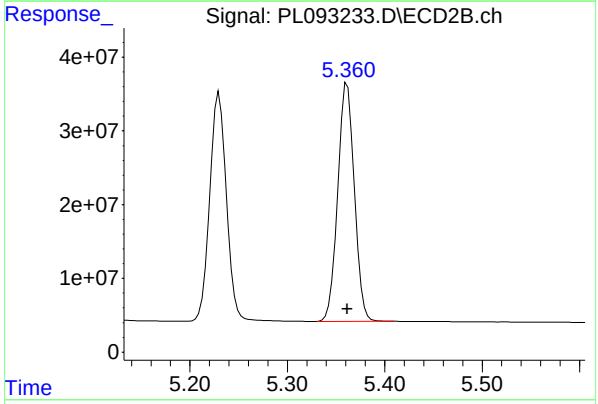
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 366979875
Conc: 98.89 ng/ml



#13 Dieldrin

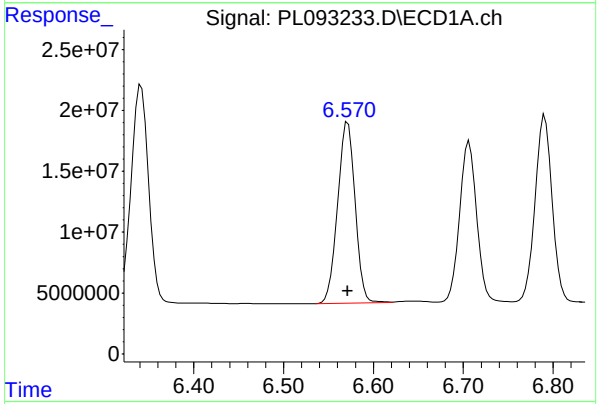
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 242423239
Conc: 96.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



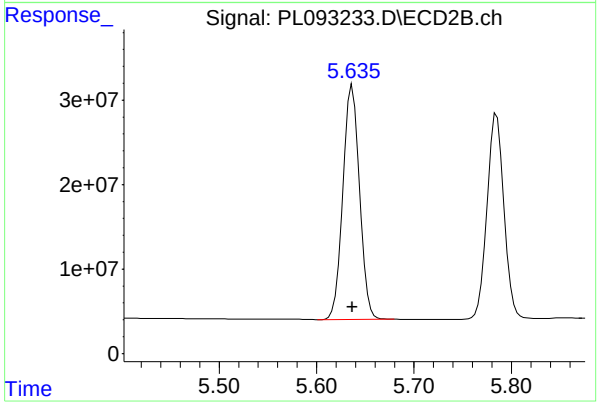
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 382729201
Conc: 99.55 ng/ml



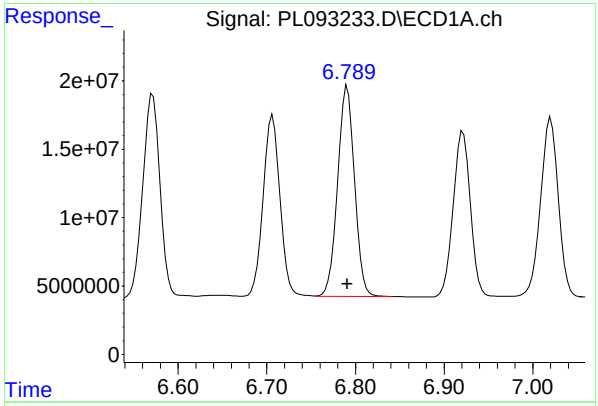
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 201507682
Conc: 97.48 ng/ml



#14 Endrin

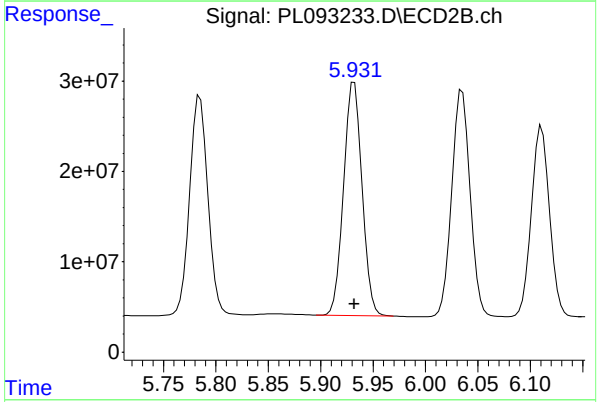
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 328547509
Conc: 99.45 ng/ml



#15 Endosulfan II

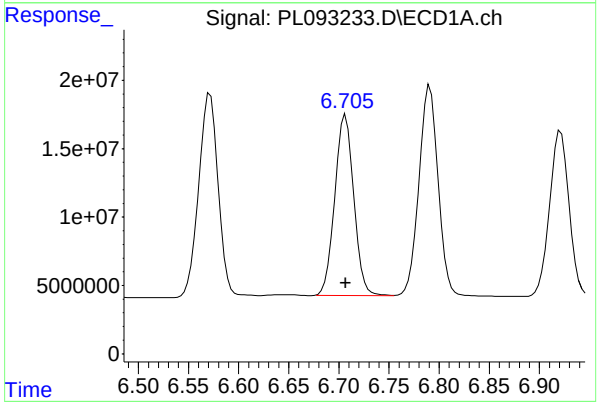
R.T.: 6.791 min
Delta R.T.: 0.000 min
Response: 203352214
Conc: 96.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



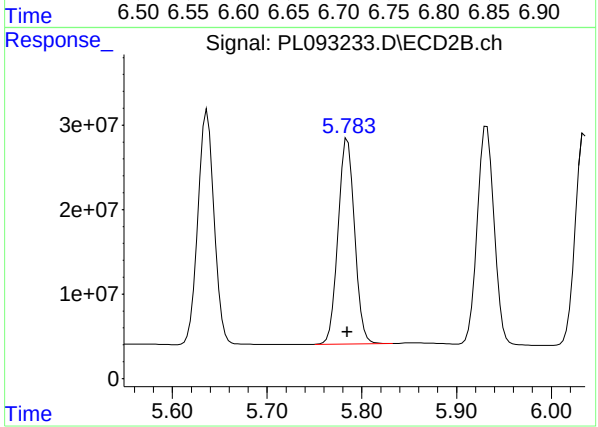
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 317952945
Conc: 97.78 ng/ml



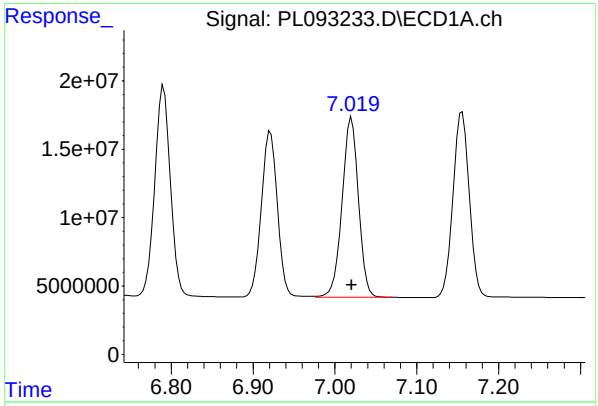
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 173315931
Conc: 96.72 ng/ml



#16 4,4'-DDD

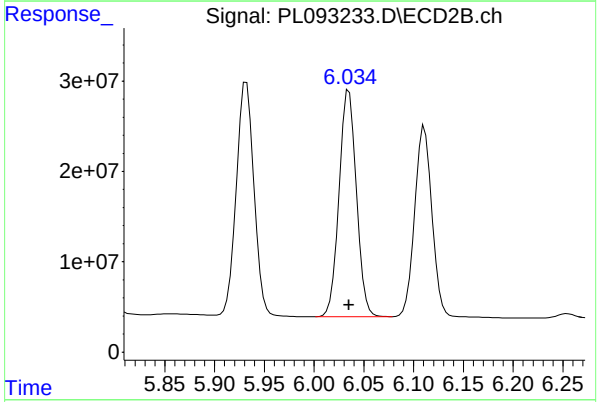
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 293830867
Conc: 99.72 ng/ml



#17 4,4'-DDT

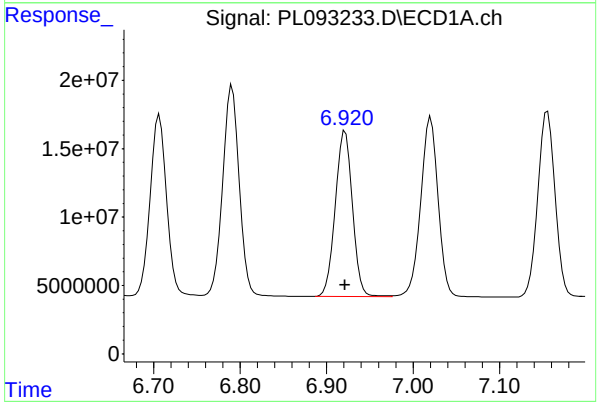
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 183279045
Conc: 96.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



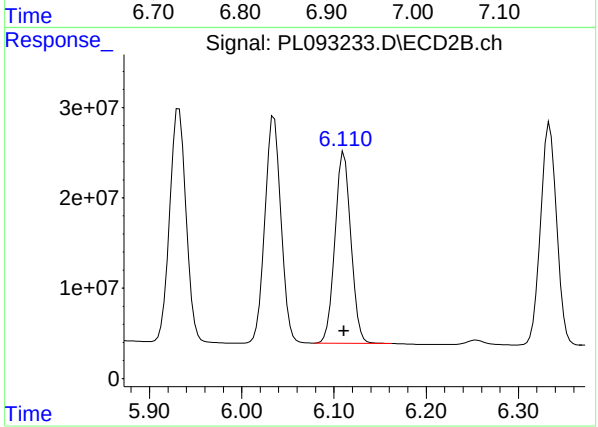
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 305324582
Conc: 98.72 ng/ml



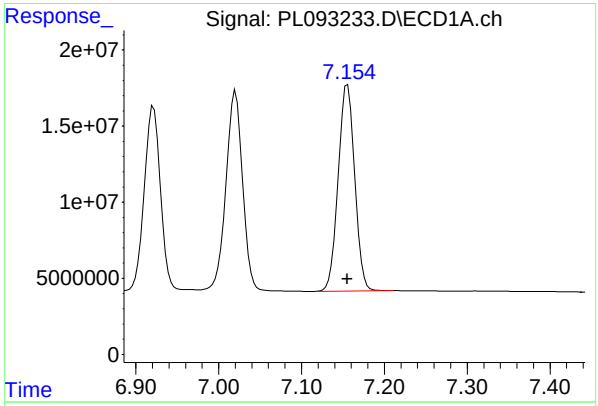
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 164906359
Conc: 95.03 ng/ml



#18 Endrin aldehyde

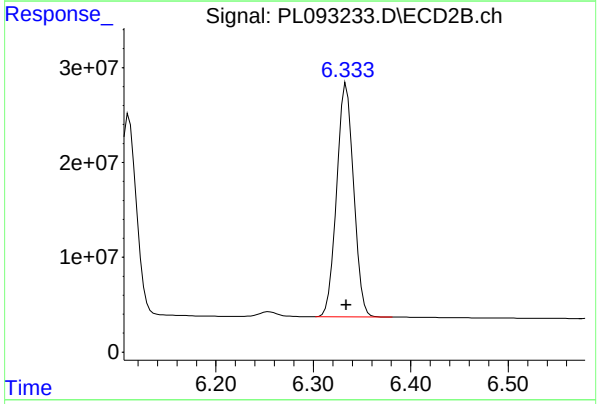
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 254546062
Conc: 97.10 ng/ml



#19 Endosulfan Sulfate

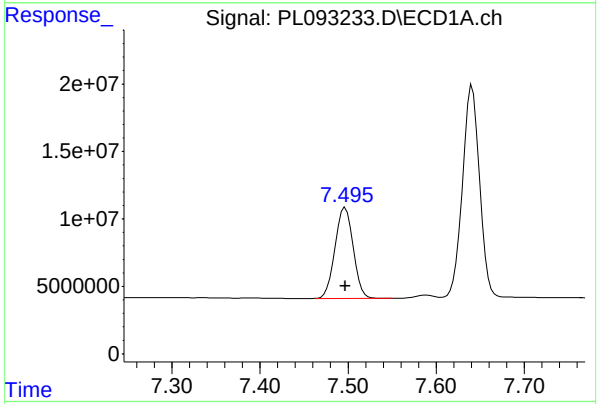
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 188135924
Conc: 95.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



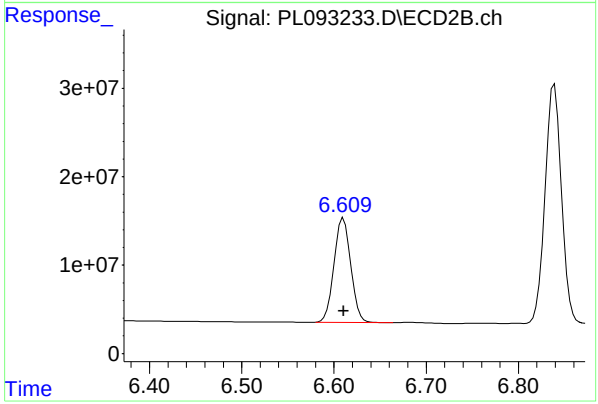
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 298044250
Conc: 97.44 ng/ml



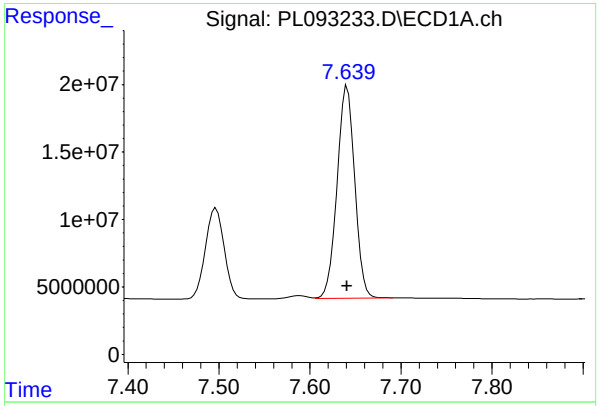
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 96794611
Conc: 94.73 ng/ml



#20 Methoxychlor

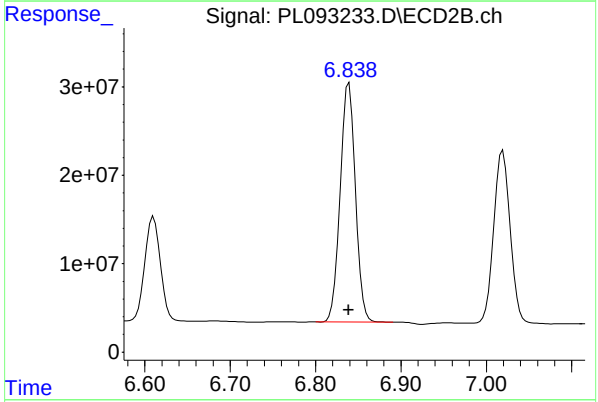
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 148557429
Conc: 96.64 ng/ml



#21 Endrin ketone

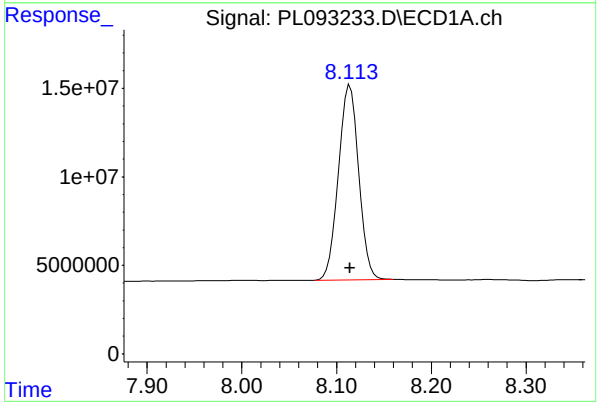
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 212301111
Conc: 95.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



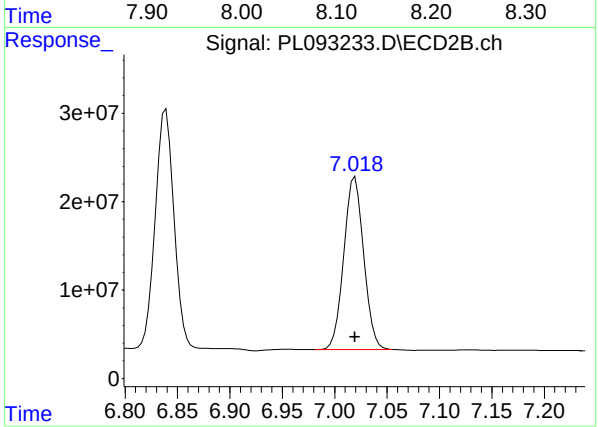
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 334766203
Conc: 97.48 ng/ml



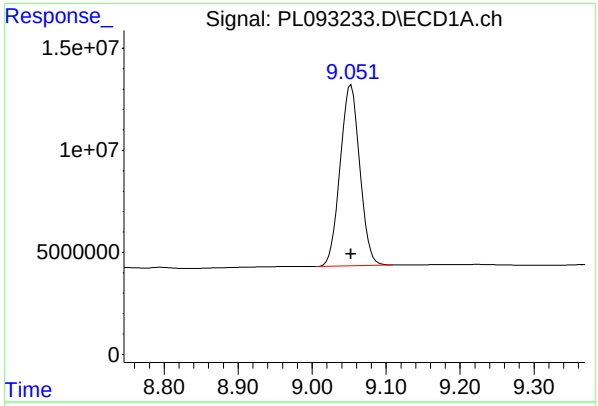
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 163622770
Conc: 94.40 ng/ml



#22 Mirex

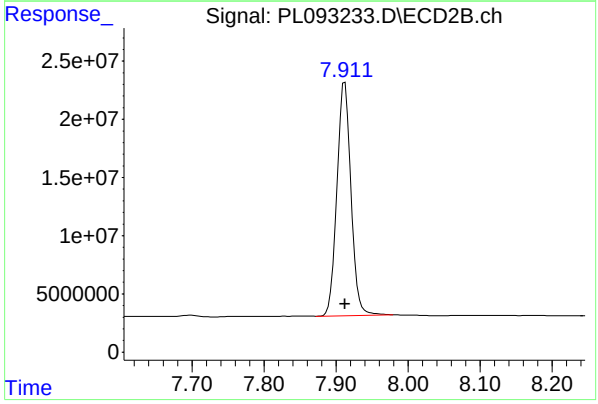
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 258731933
Conc: 96.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 163689393
Conc: 96.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 270417478
Conc: 96.05 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:51:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.536	2.773	192.6E6	222.7E6	75.316	75.287
28) SA	Decachlor...	9.053	7.912	135.4E6	218.0E6	77.968	76.610
	Target Compounds						
2) A	alpha-BHC	3.992	3.276	272.6E6	344.9E6	75.666	75.499
3) MA	gamma-BHC...	4.325	3.606	257.2E6	333.3E6	75.757	75.742
4) MA	Heptachlor	4.913	3.945	225.9E6	320.2E6	75.723	75.863
5) MB	Aldrin	5.255	4.224	223.5E6	318.5E6	75.577	75.822
6) B	beta-BHC	4.523	3.906	110.0E6	136.3E6	75.524	75.543
7) B	delta-BHC	4.770	4.135	247.3E6	339.7E6	76.011	76.020
8) B	Heptachlo...	5.681	4.727	199.4E6	286.5E6	75.130	75.760
9) A	Endosulfan I	6.066	5.097	179.0E6	263.9E6	75.488	75.895
10) B	gamma-Chl...	5.937	4.977	191.5E6	291.5E6	75.510	75.853
11) B	alpha-Chl...	6.016	5.041	190.5E6	286.7E6	75.450	75.887
12) B	4,4'-DDE	6.190	5.230	176.3E6	284.2E6	76.290	76.049
13) MA	Dieldrin	6.342	5.361	189.5E6	294.4E6	75.456	76.045
14) MA	Endrin	6.571	5.637	158.4E6	255.5E6	76.062	76.534
15) B	Endosulfa...	6.791	5.931	160.5E6	249.4E6	75.603	76.124
16) A	4,4'-DDD	6.707	5.784	135.6E6	225.6E6	75.465	76.041
17) MA	4,4'-DDT	7.021	6.035	146.1E6	241.0E6	76.227	76.932
18) B	Endrin al...	6.921	6.111	131.7E6	200.0E6	75.610	75.865
19) B	Endosulfa...	7.156	6.333	150.4E6	234.0E6	75.659	75.996
20) A	Methoxychlor	7.497	6.610	78538622	118.8E6	76.231	76.489
21) B	Endrin ke...	7.641	6.839	169.8E6	262.9E6	76.039	76.023
22)	Mirex	8.115	7.019	131.1E6	204.7E6	75.405	75.784

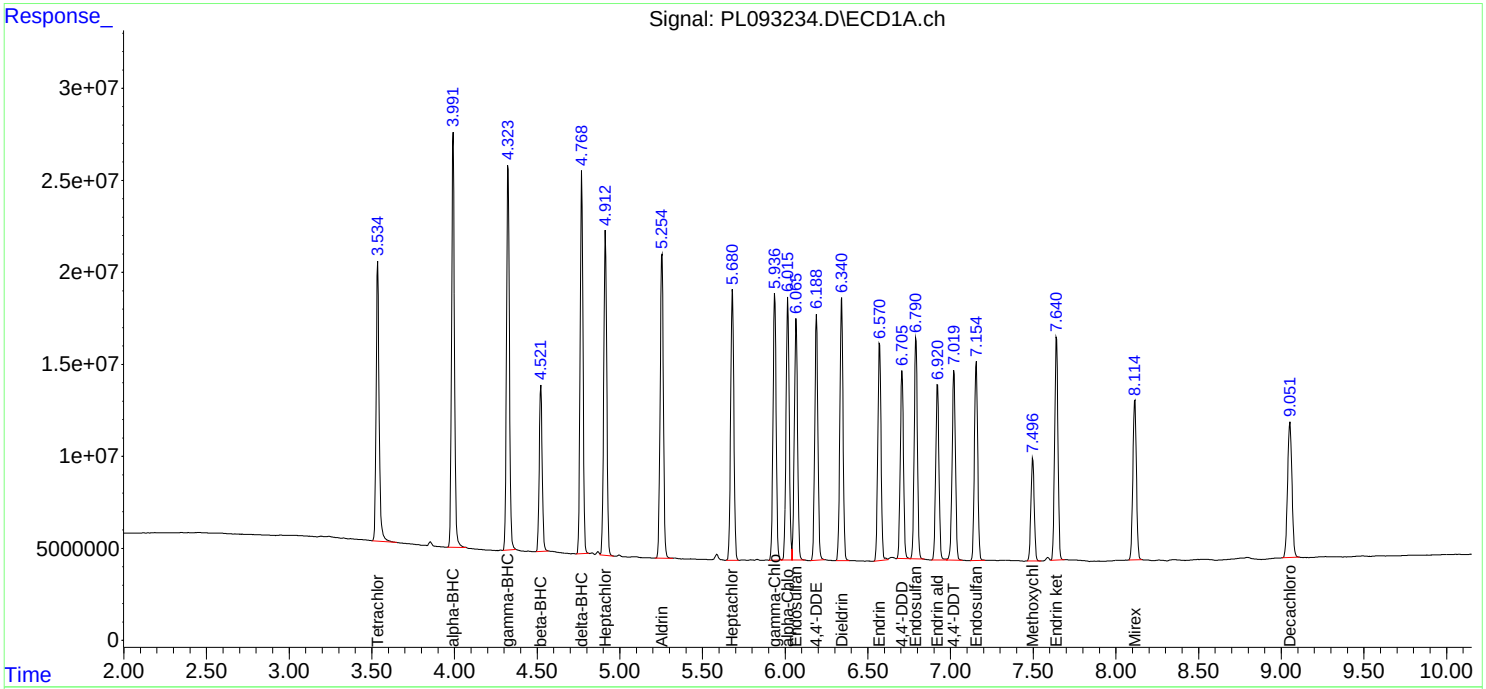
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

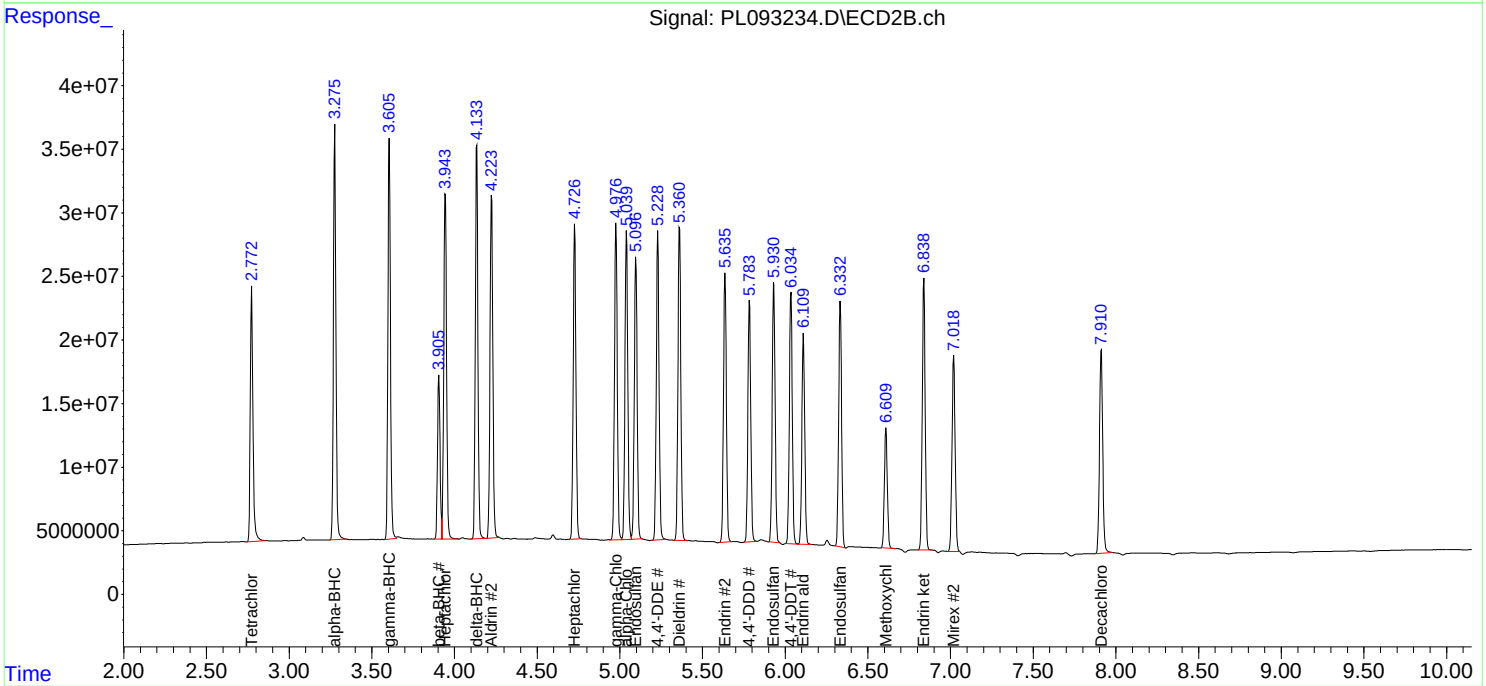
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

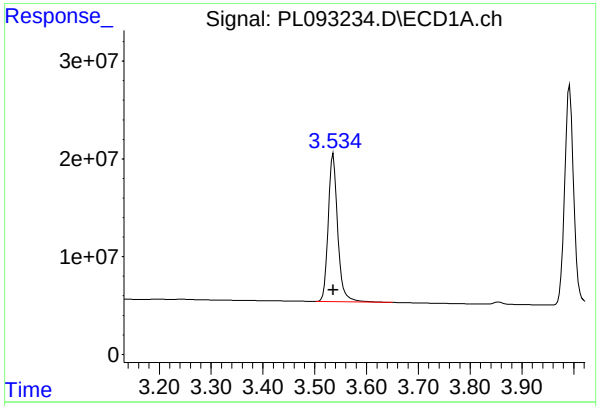
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:51:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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



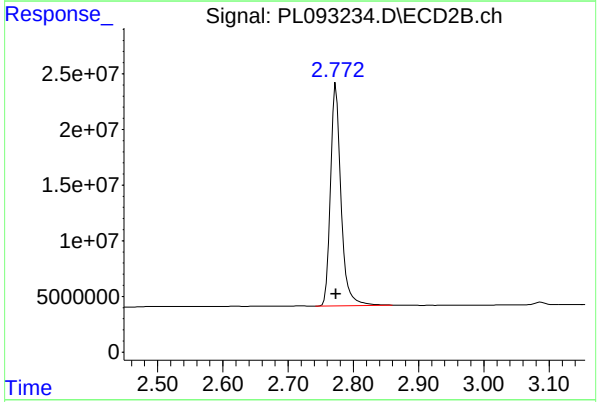




#1 Tetrachloro-m-xylene

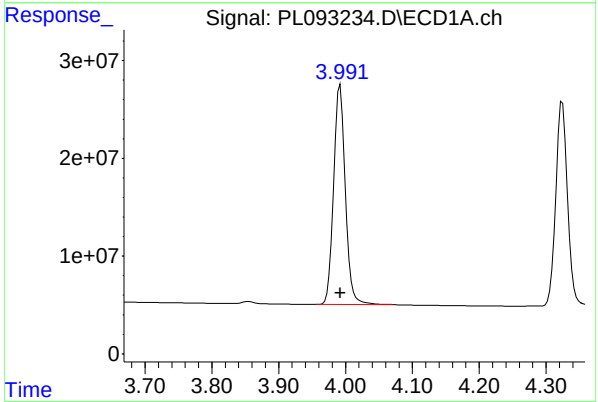
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 192567780
Conc: 75.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



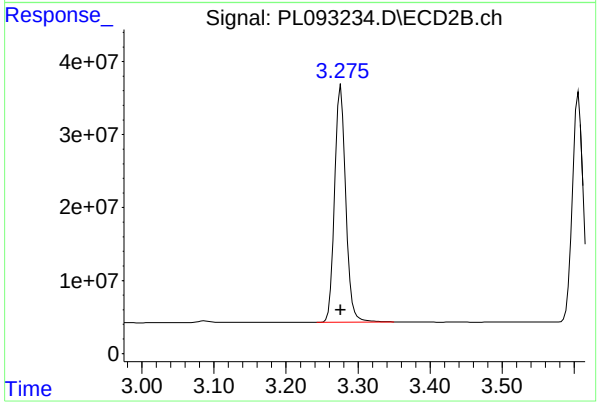
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 222656684
Conc: 75.29 ng/ml



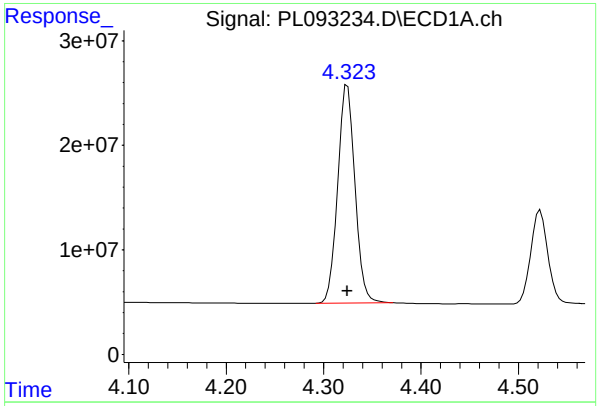
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 272623380
Conc: 75.67 ng/ml



#2 alpha-BHC

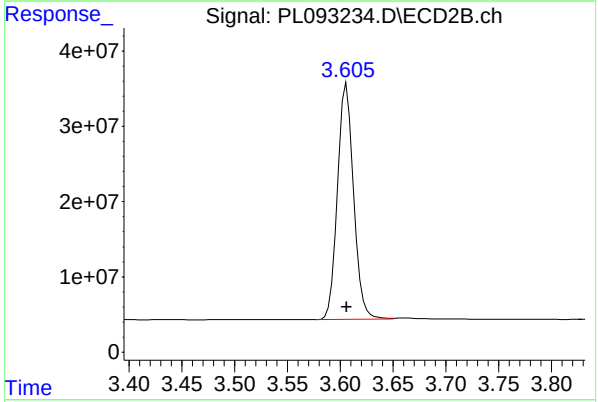
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 344880124
Conc: 75.50 ng/ml



#3 gamma-BHC (Lindane)

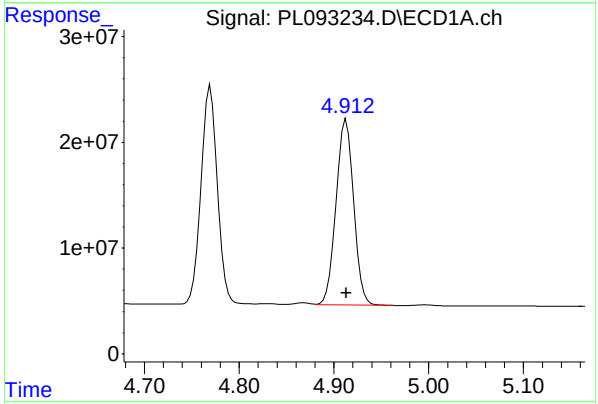
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 257179258
Conc: 75.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



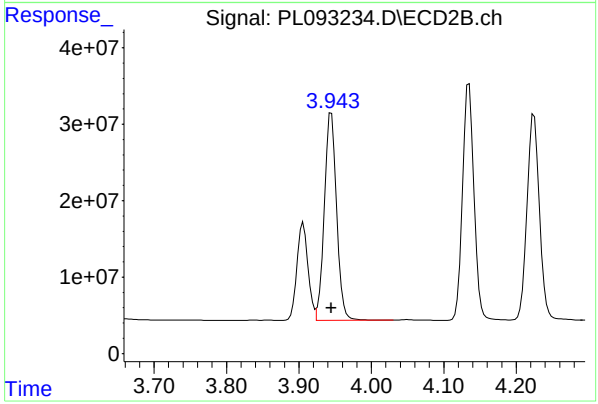
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 333317973
Conc: 75.74 ng/ml



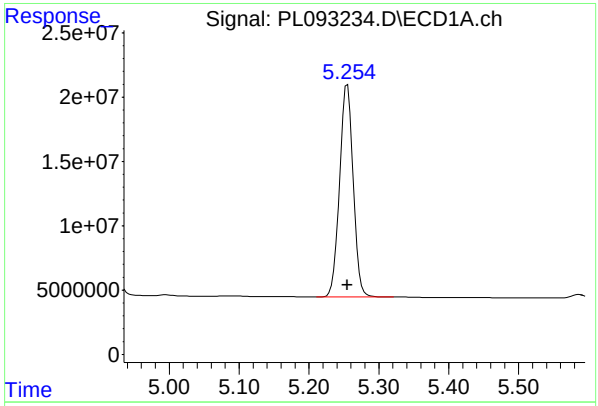
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 225936661
Conc: 75.72 ng/ml



#4 Heptachlor

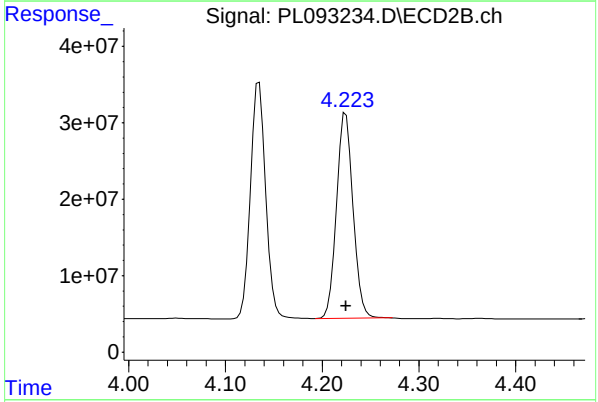
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 320172365
Conc: 75.86 ng/ml



#5 Aldrin

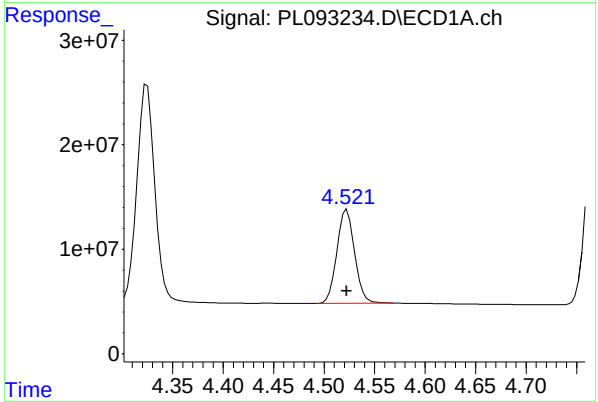
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 223467428
Conc: 75.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



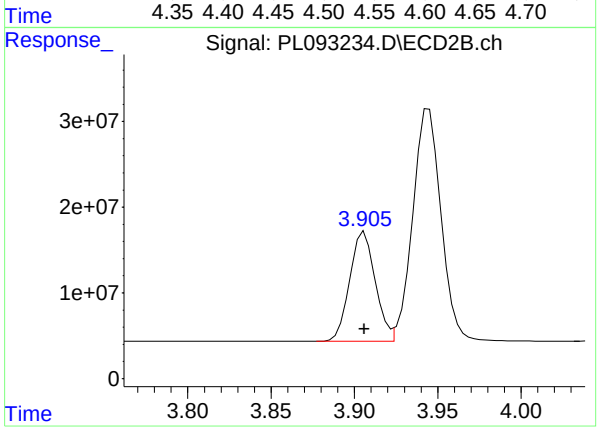
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 318470796
Conc: 75.82 ng/ml



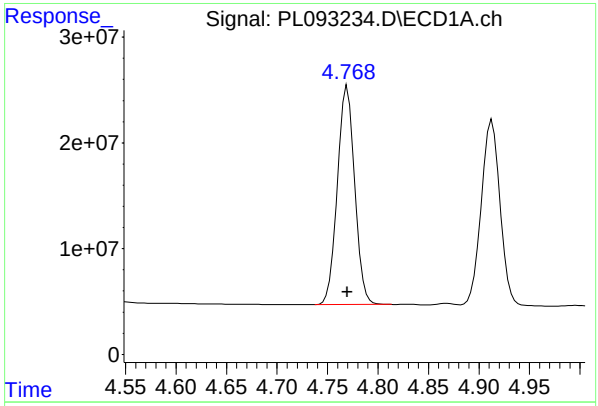
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 109968567
Conc: 75.52 ng/ml



#6 beta-BHC

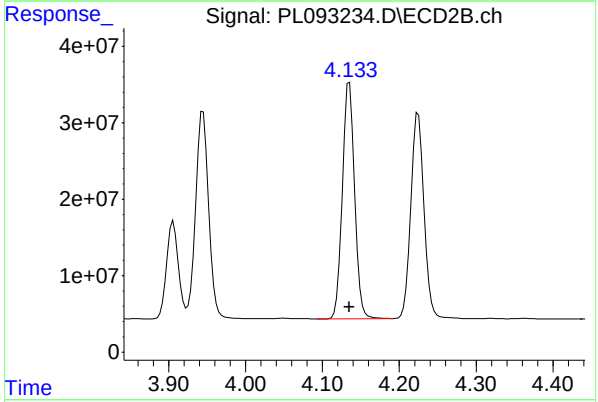
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 136257433
Conc: 75.54 ng/ml



#7 delta-BHC

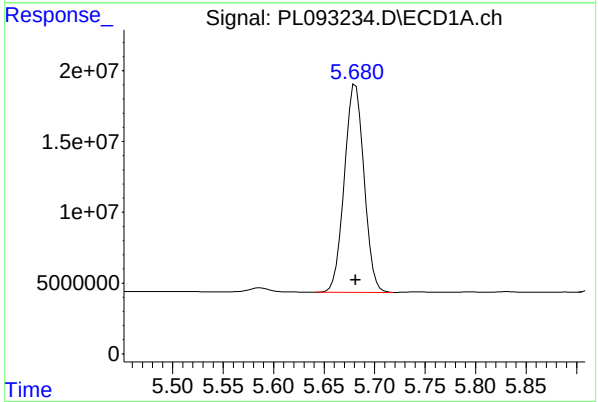
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 247272466
Conc: 76.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



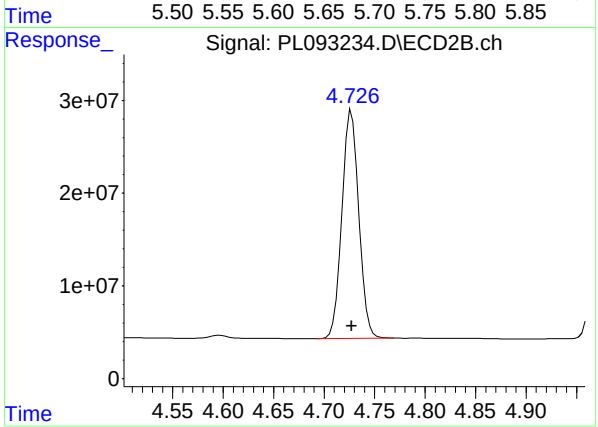
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 339685732
Conc: 76.02 ng/ml



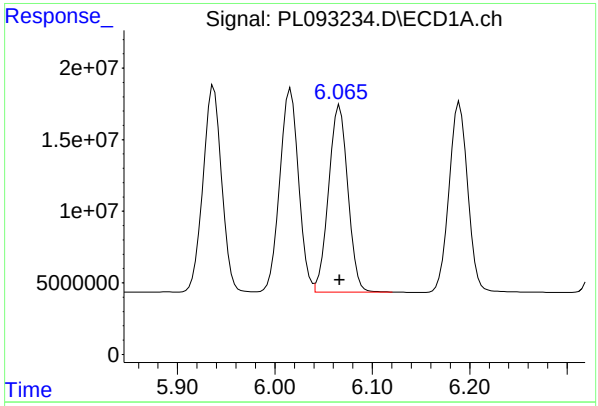
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 199406312
Conc: 75.13 ng/ml



#8 Heptachlor epoxide

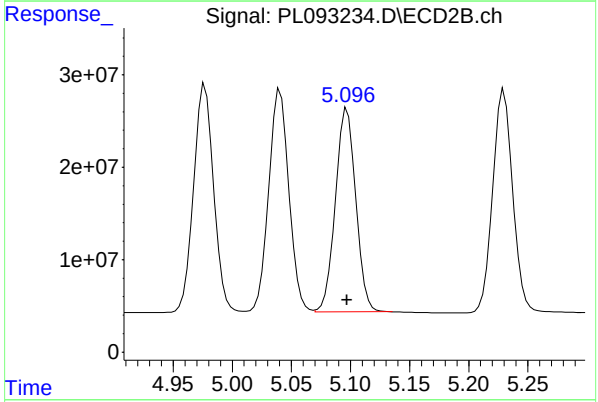
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 286497343
Conc: 75.76 ng/ml



#9 Endosulfan I

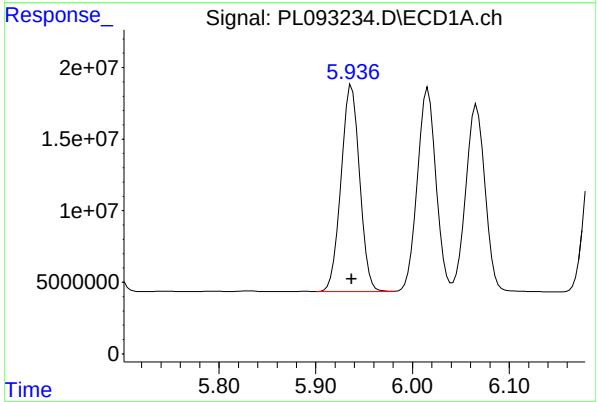
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 178959358
Conc: 75.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



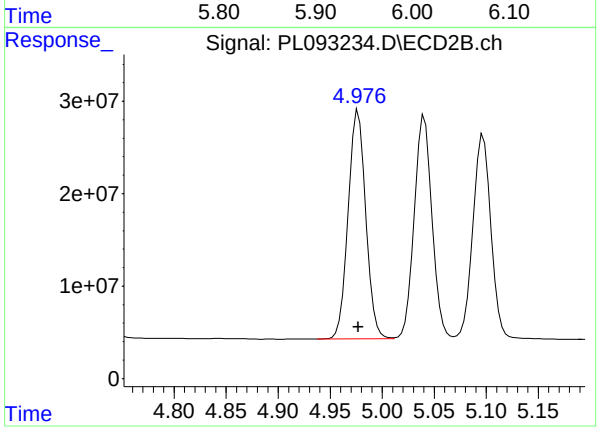
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 263914714
Conc: 75.90 ng/ml



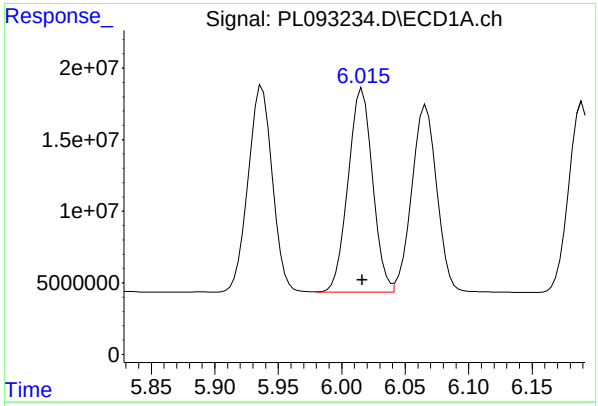
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 191480197
Conc: 75.51 ng/ml



#10 gamma-Chlordane

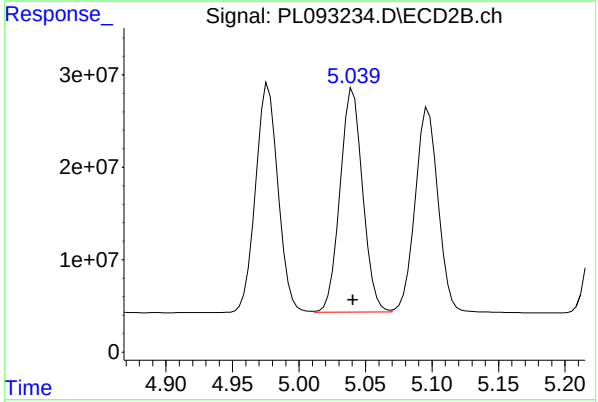
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 291462647
Conc: 75.85 ng/ml



#11 alpha-Chlordane

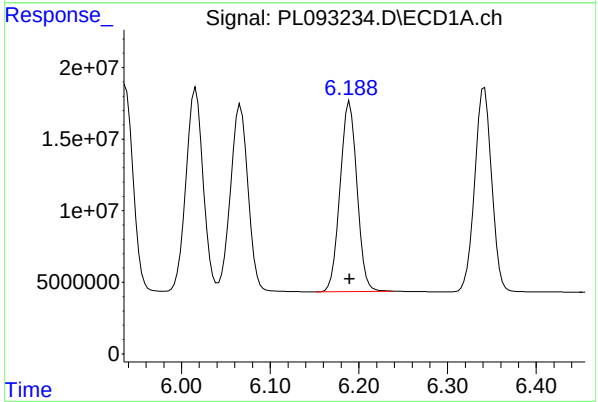
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 190510744
Conc: 75.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



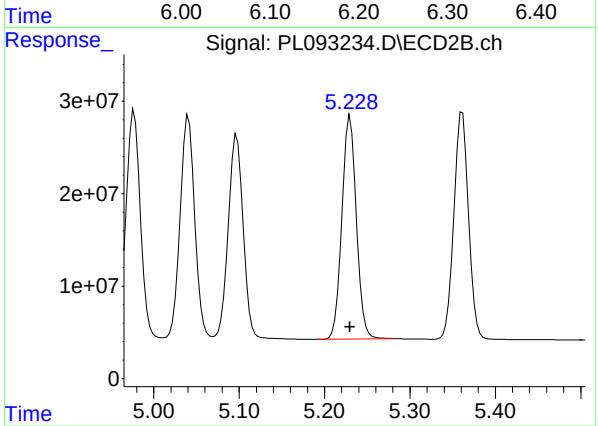
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 286739645
Conc: 75.89 ng/ml



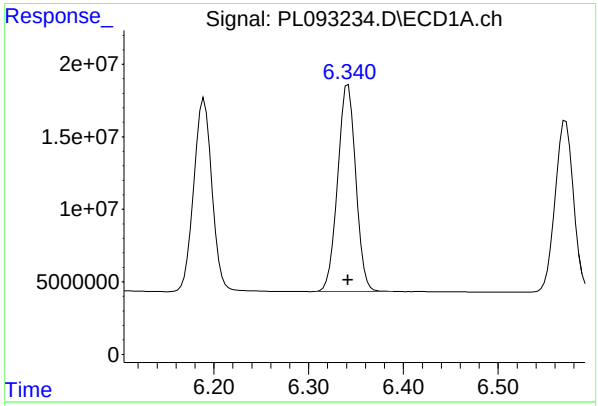
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 176287291
Conc: 76.29 ng/ml



#12 4,4'-DDE

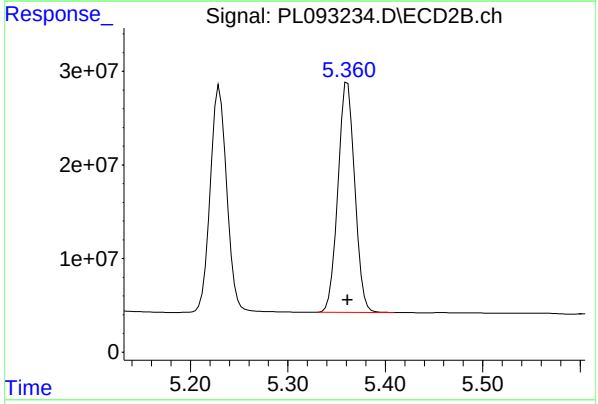
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 284217408
Conc: 76.05 ng/ml



#13 Dieldrin

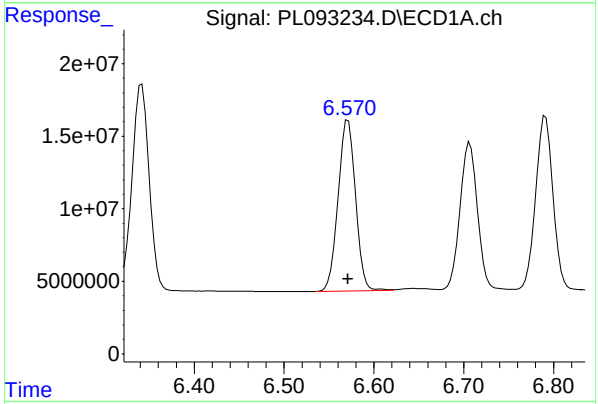
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 189492877
Conc: 75.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



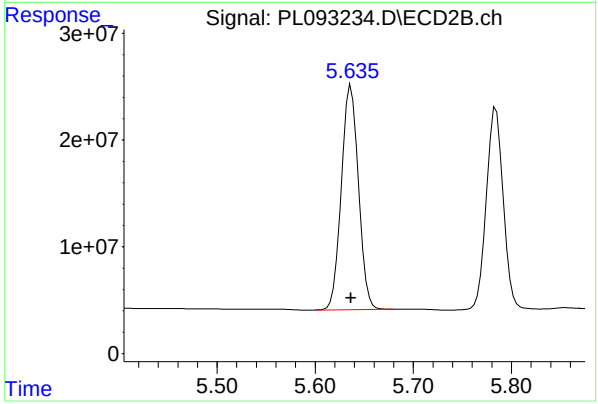
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 294410422
Conc: 76.05 ng/ml



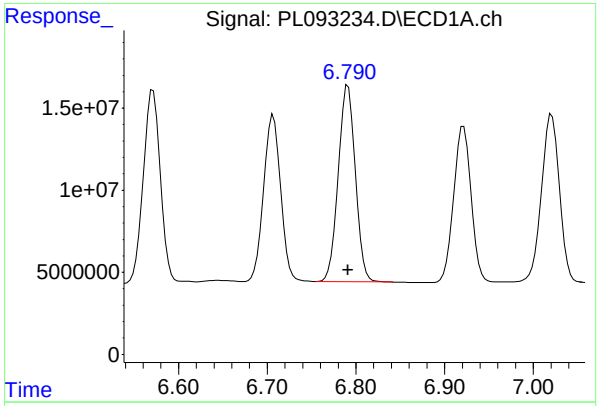
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 158355162
Conc: 76.06 ng/ml



#14 Endrin

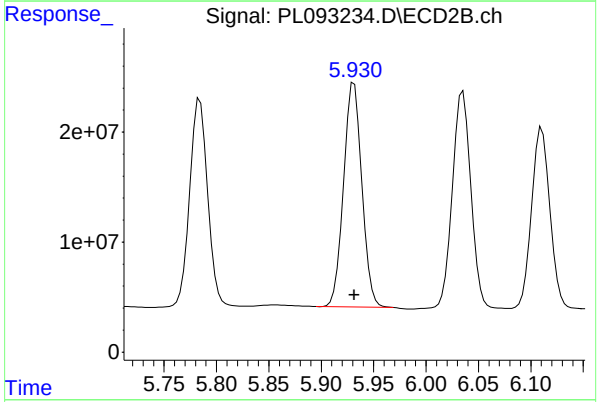
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 255460327
Conc: 76.53 ng/ml



#15 Endosulfan II

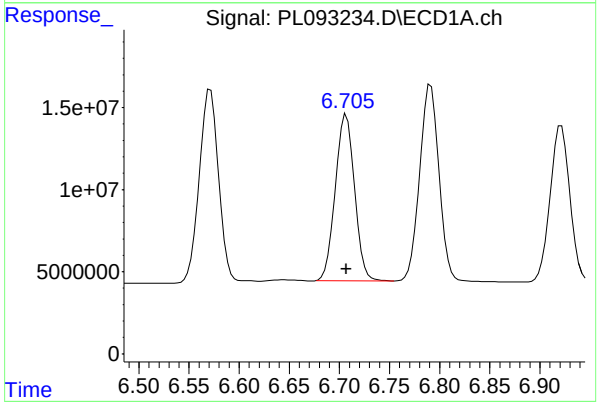
R.T.: 6.791 min
Delta R.T.: 0.000 min
Response: 160527673
Conc: 75.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



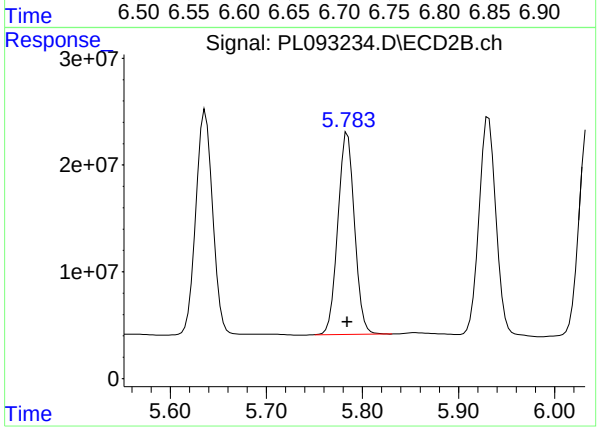
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 249392357
Conc: 76.12 ng/ml



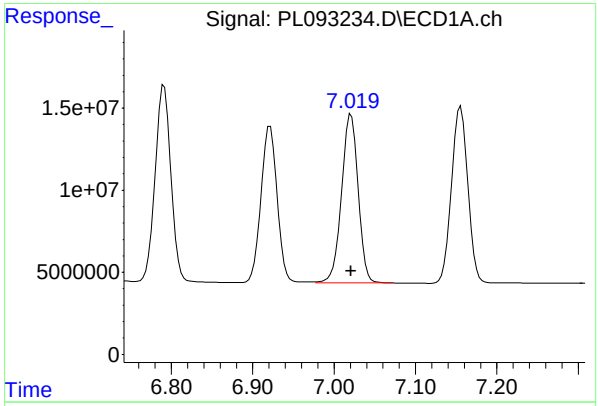
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 135648791
Conc: 75.46 ng/ml



#16 4,4'-DDD

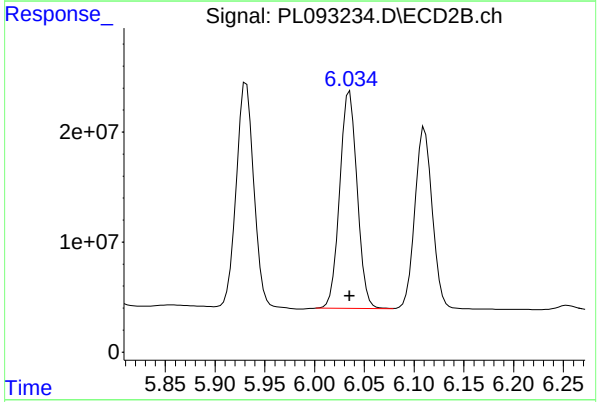
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 225622023
Conc: 76.04 ng/ml



#17 4,4'-DDT

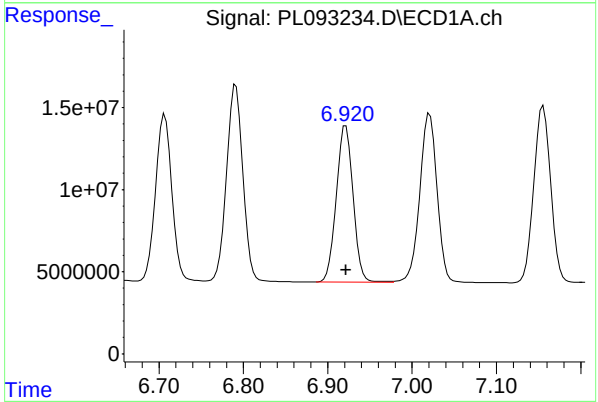
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 146054194
Conc: 76.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



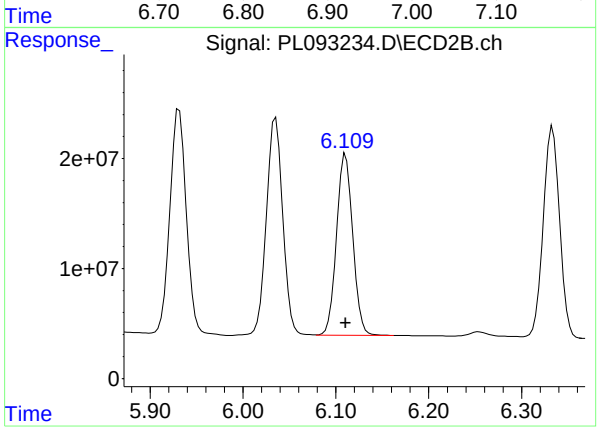
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 241045966
Conc: 76.93 ng/ml



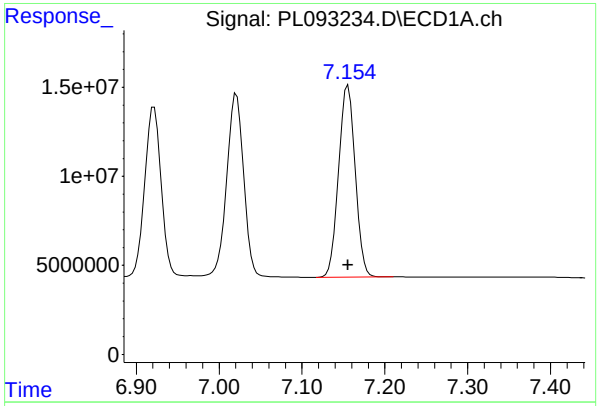
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 131735380
Conc: 75.61 ng/ml



#18 Endrin aldehyde

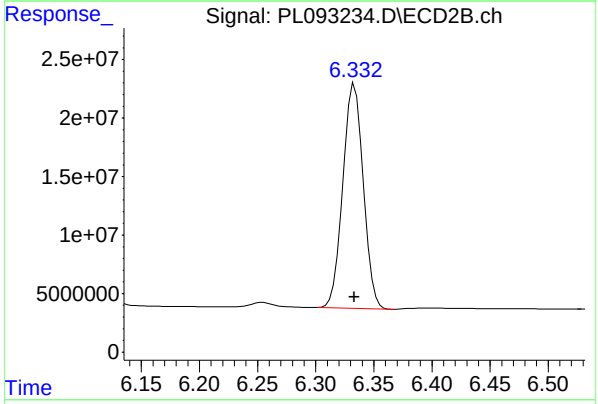
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 200033405
Conc: 75.86 ng/ml



#19 Endosulfan Sulfate

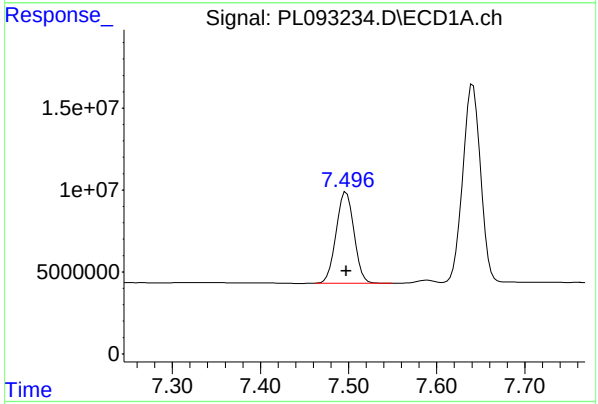
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 150350179
Conc: 75.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



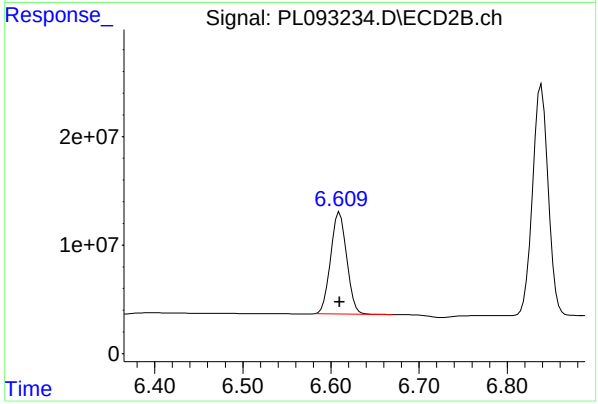
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 234002454
Conc: 76.00 ng/ml



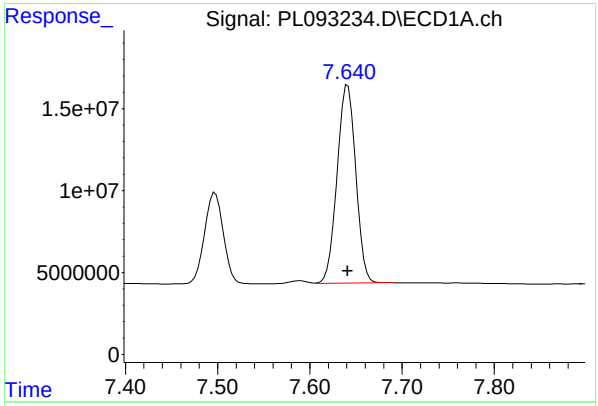
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 78538622
Conc: 76.23 ng/ml



#20 Methoxychlor

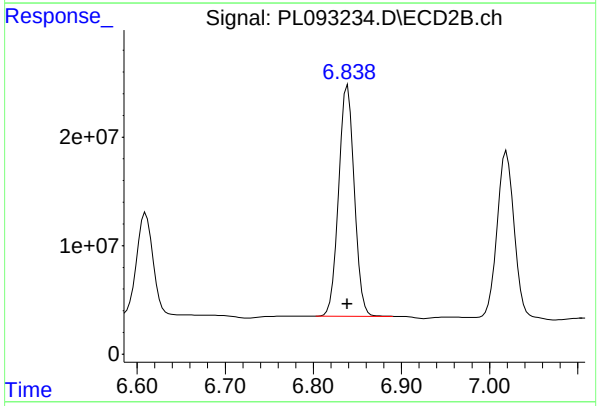
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 118764151
Conc: 76.49 ng/ml



#21 Endrin ketone

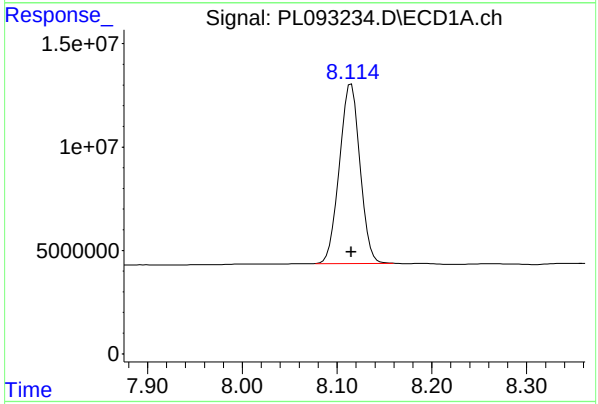
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 169806348
Conc: 76.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



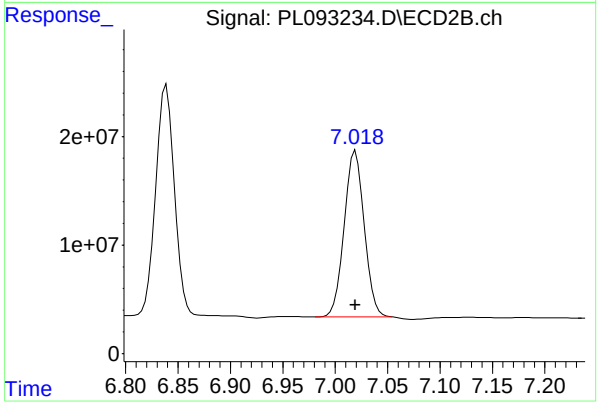
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 262864653
Conc: 76.02 ng/ml



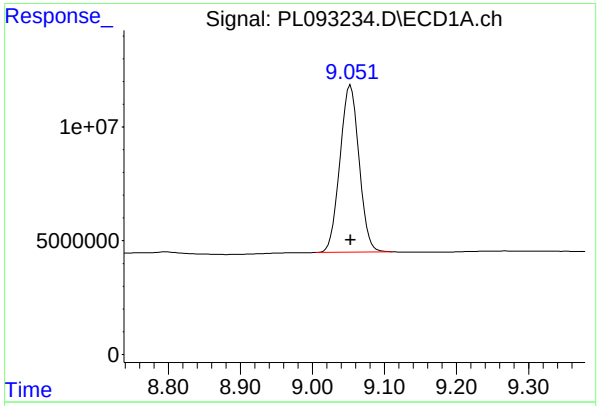
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 131057561
Conc: 75.40 ng/ml



#22 Mirex

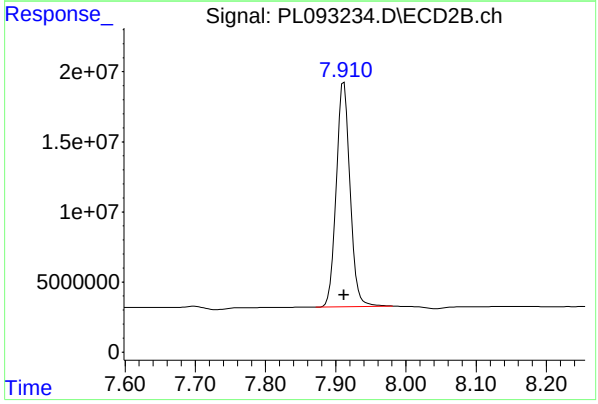
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 204690327
Conc: 75.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 135444916
Conc: 77.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 218036420
Conc: 76.61 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:58
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: Nov 25 13:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	131.2E6	148.9E6	50.000	50.000
28)	SA Decachlor...	9.054	7.912	88436209	146.3E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.992	3.276	181.4E6	226.1E6	50.000	50.000
3)	MA gamma-BHC...	4.325	3.606	171.4E6	217.9E6	50.000	50.000
4)	MA Heptachlor	4.913	3.945	153.7E6	211.6E6	50.000	50.000
5)	MB Aldrin	5.255	4.225	151.3E6	208.9E6	50.000	50.000
6)	B beta-BHC	4.523	3.907	75886772	91618837	50.000	50.000
7)	B delta-BHC	4.770	4.135	165.3E6	223.2E6	50.000	50.000
8)	B Heptachlo...	5.681	4.728	138.0E6	190.2E6	50.000	50.000
9)	A Endosulfan I	6.067	5.097	122.5E6	175.0E6	50.000	50.000
10)	B gamma-Chl...	5.938	4.978	130.6E6	192.1E6	50.000	50.000
11)	B alpha-Chl...	6.016	5.041	130.2E6	189.6E6	50.000	50.000
12)	B 4,4'-DDE	6.190	5.230	118.0E6	187.6E6	50.000	50.000
13)	MA Dieldrin	6.342	5.362	129.2E6	193.1E6	50.000	50.000
14)	MA Endrin	6.572	5.637	106.0E6	166.1E6	50.000	50.000
15)	B Endosulfa...	6.792	5.932	109.8E6	166.2E6	50.000	50.000
16)	A 4,4'-DDD	6.708	5.785	92535753	147.7E6	50.000	50.000
17)	MA 4,4'-DDT	7.022	6.035	98398137	156.6E6	50.000	50.000
18)	B Endrin al...	6.922	6.111	91068660	134.9E6	50.000	50.000
19)	B Endosulfa...	7.156	6.334	103.8E6	156.8E6	50.000	50.000
20)	A Methoxychlor	7.498	6.610	53783402	79449183	50.000	50.000
21)	B Endrin ke...	7.642	6.839	115.6E6	176.0E6	50.000	50.000
22)	Mirex	8.115	7.020	91525626	139.3E6	50.000	50.000

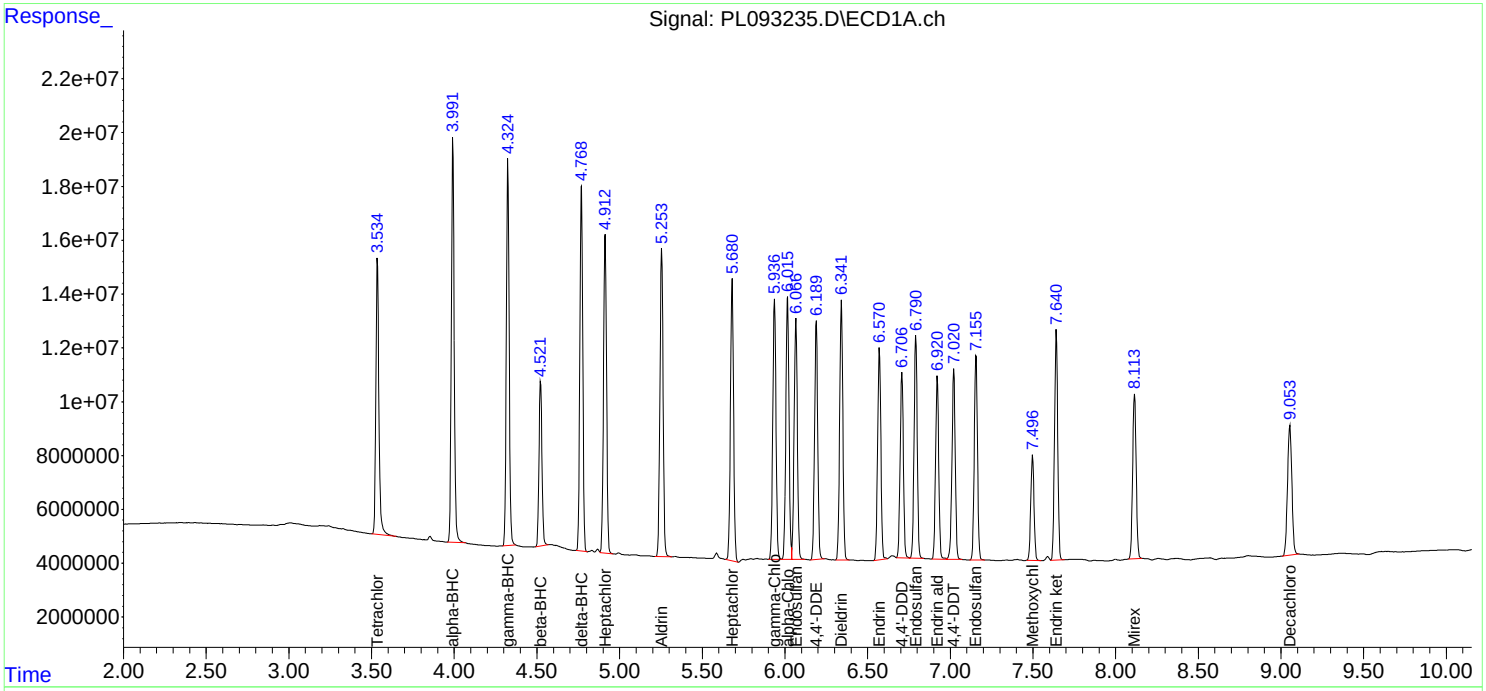
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

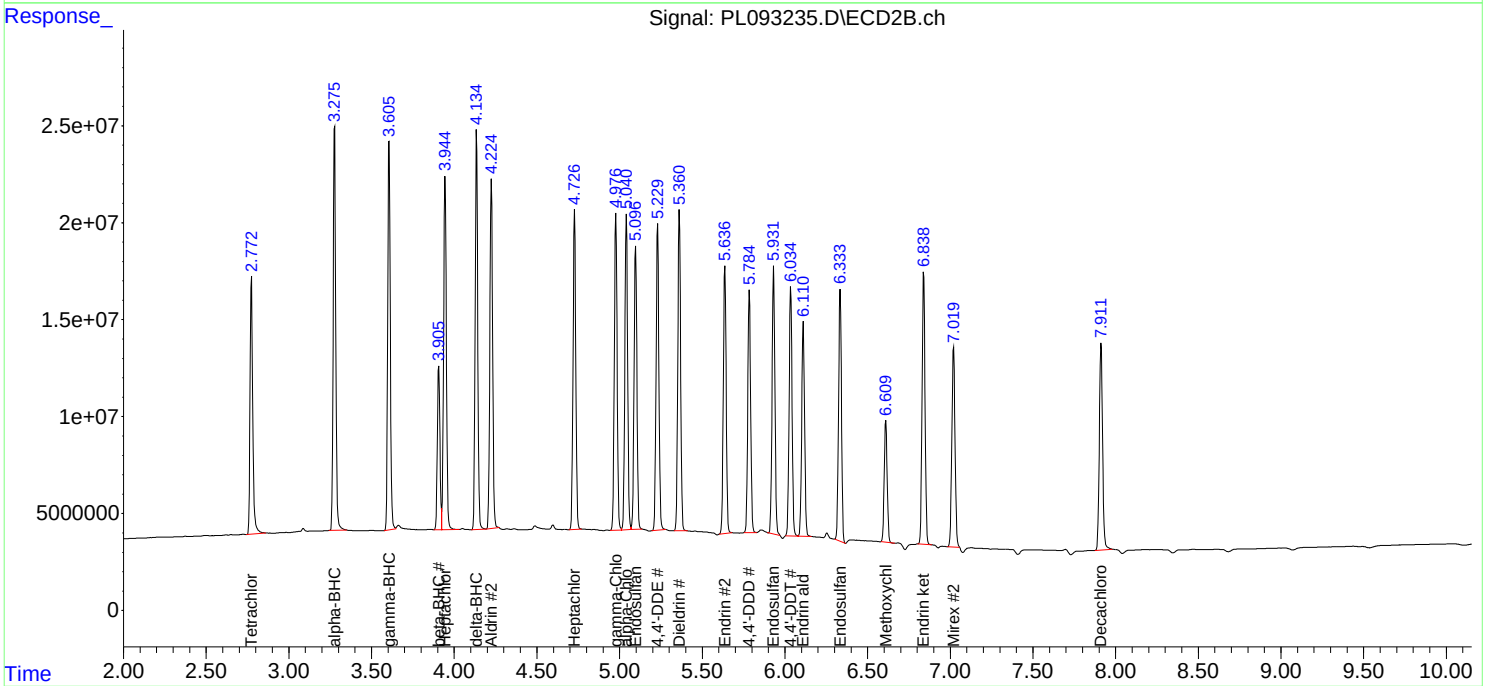
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:58
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

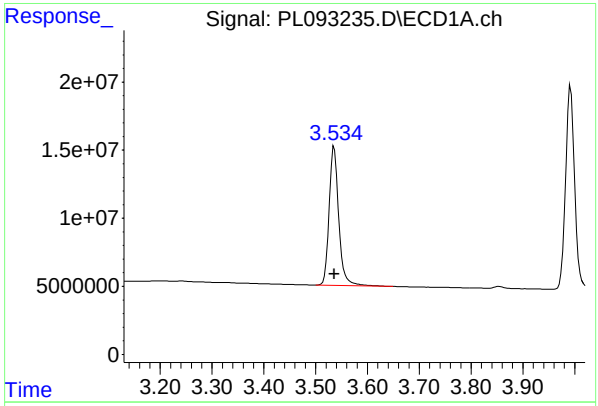
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:46:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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



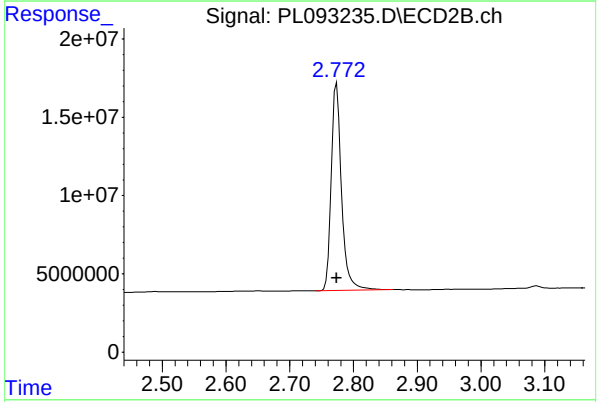




#1 Tetrachloro-m-xylene

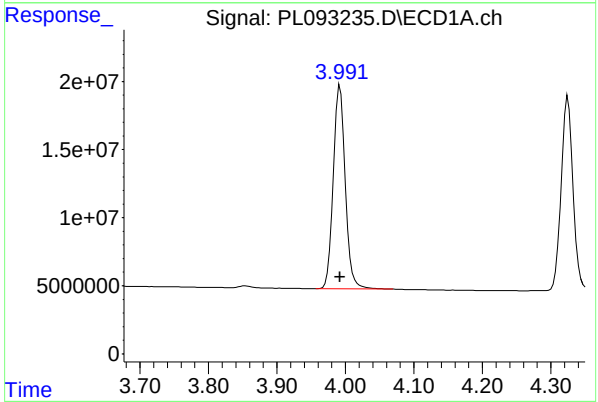
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 131192671
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



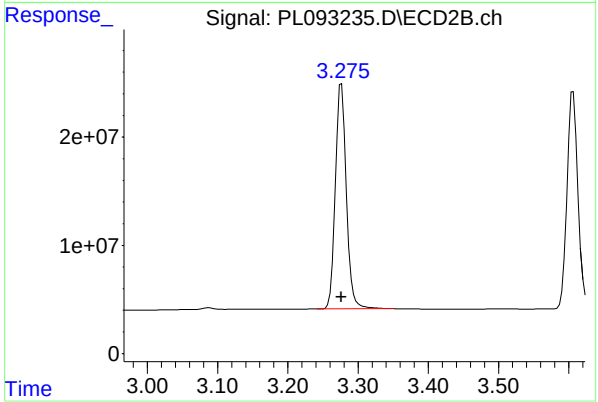
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 148885041
Conc: 50.00 ng/ml



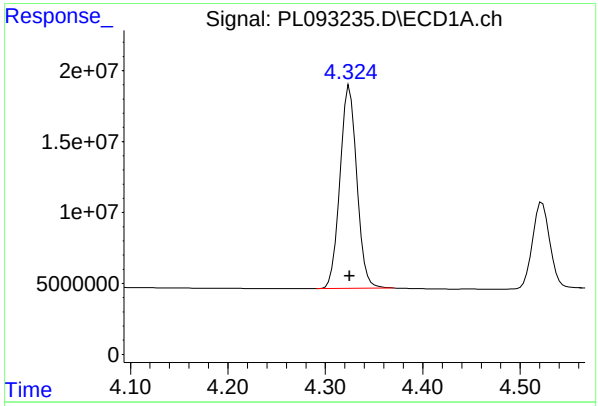
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 181359568
Conc: 50.00 ng/ml



#2 alpha-BHC

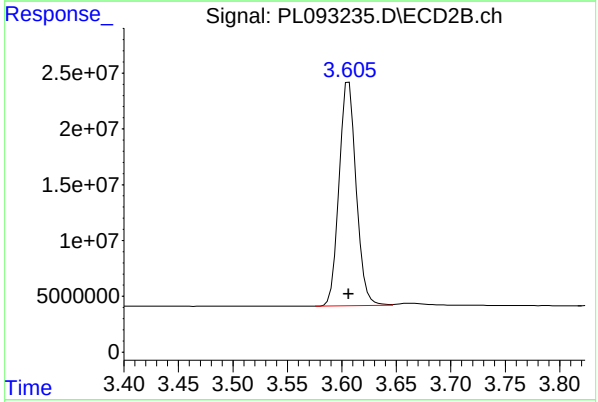
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 226068551
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

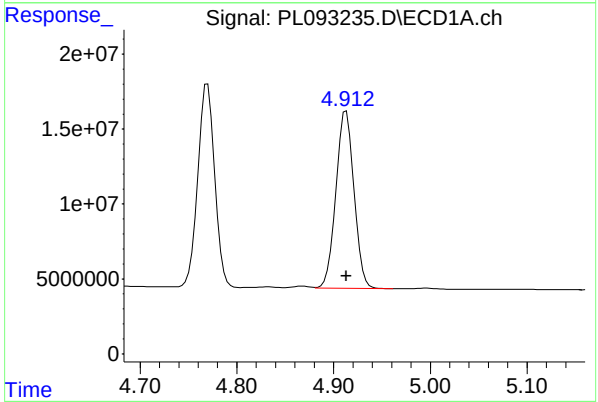
R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 171441165
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



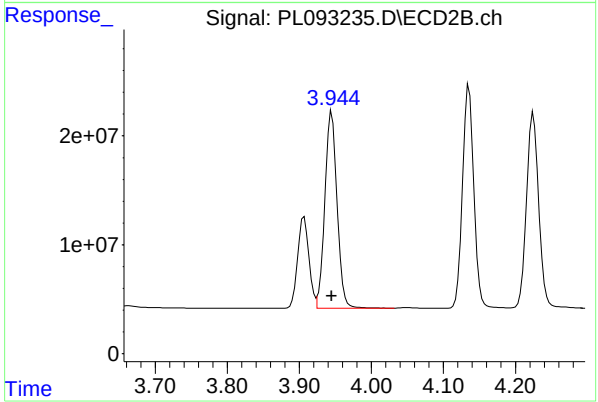
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 217894559
Conc: 50.00 ng/ml



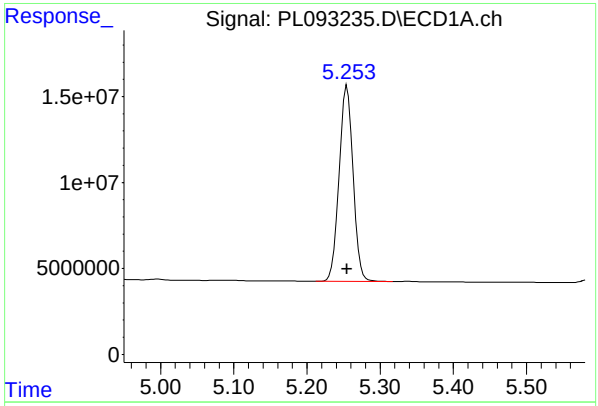
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 153693690
Conc: 50.00 ng/ml



#4 Heptachlor

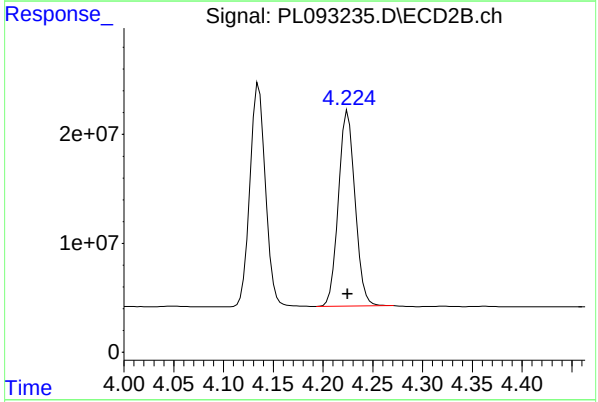
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 211614922
Conc: 50.00 ng/ml



#5 Aldrin

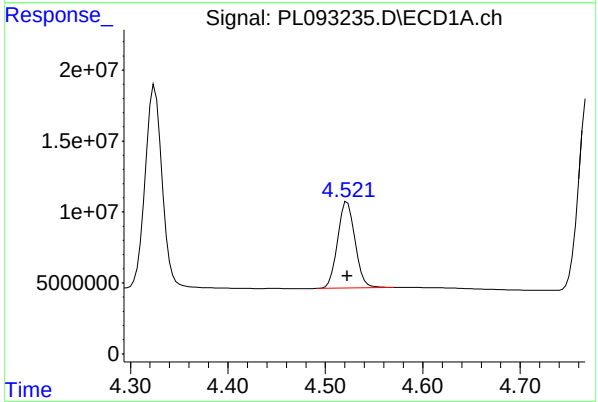
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 151296862
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



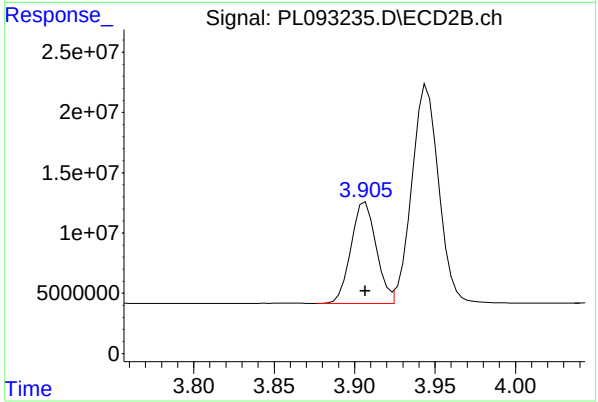
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 208891545
Conc: 50.00 ng/ml



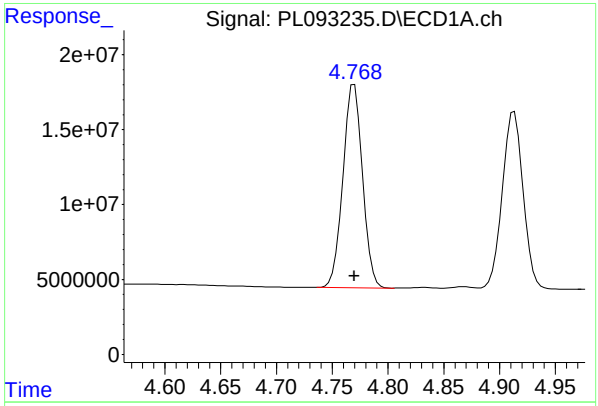
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 75886772
Conc: 50.00 ng/ml



#6 beta-BHC

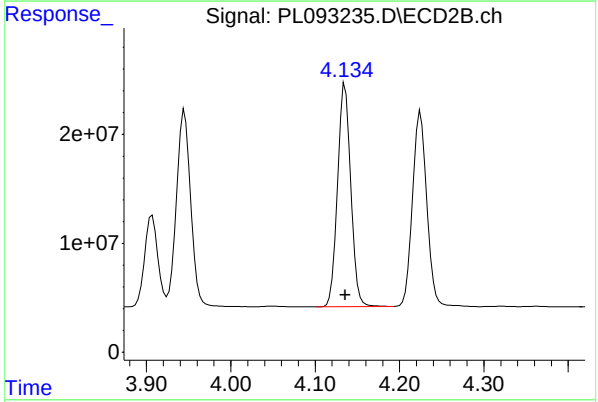
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 91618837
Conc: 50.00 ng/ml



#7 delta-BHC

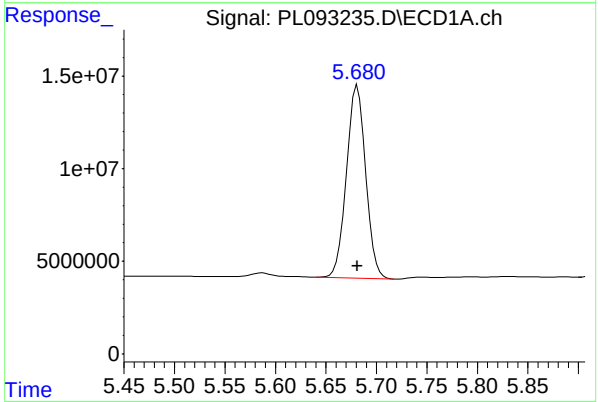
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 165327174
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



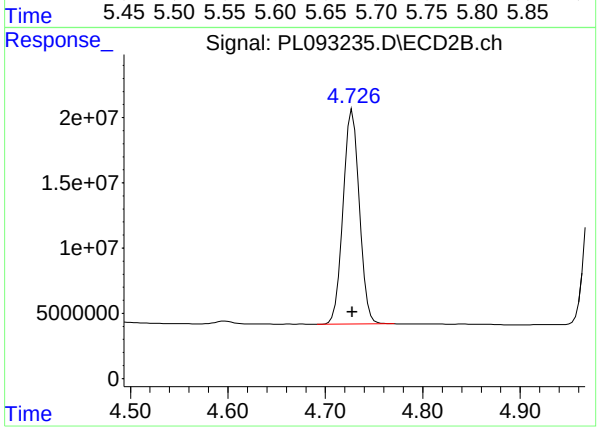
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 223185600
Conc: 50.00 ng/ml



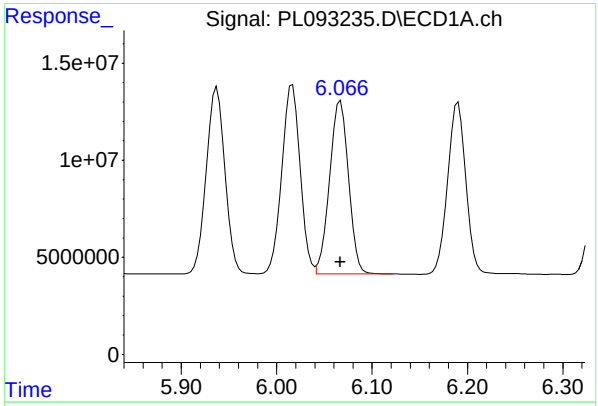
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 138002526
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

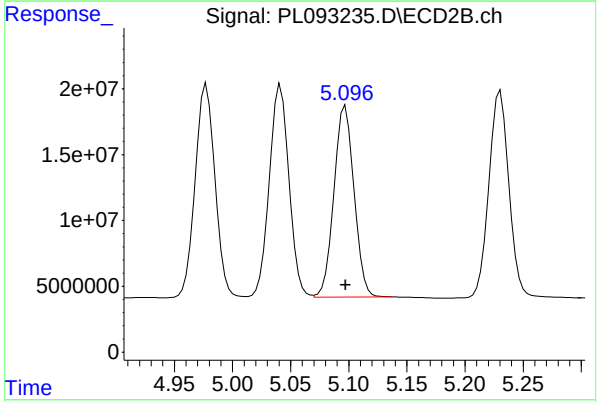
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 190178366
Conc: 50.00 ng/ml



#9 Endosulfan I

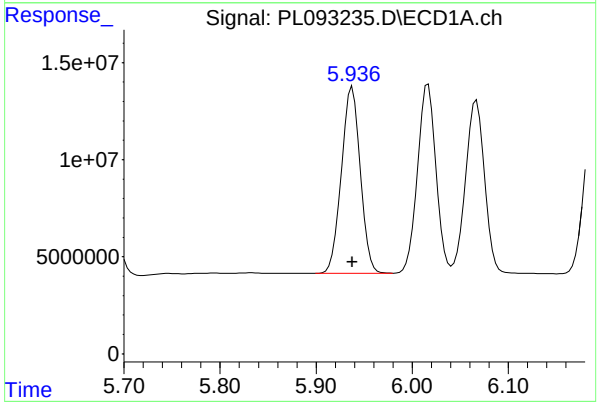
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 122506503
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



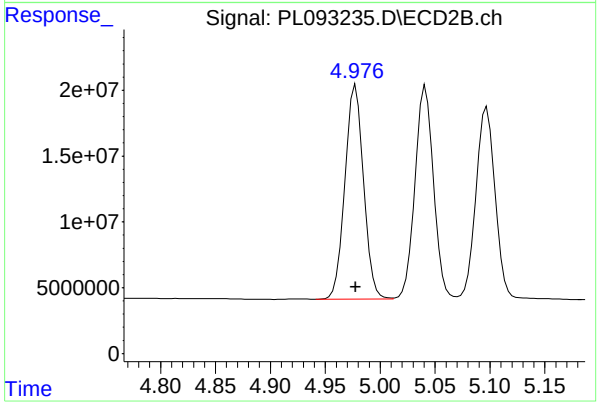
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 174962752
Conc: 50.00 ng/ml



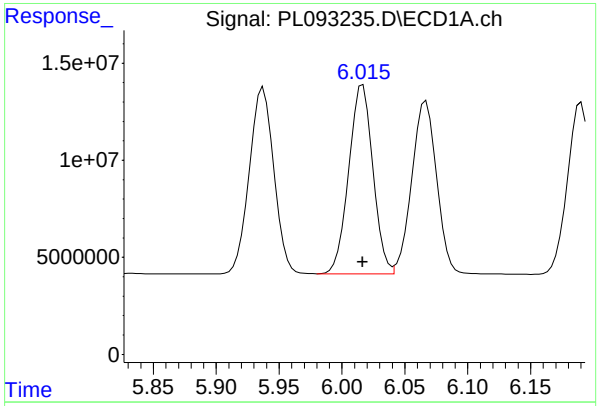
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 130568745
Conc: 50.00 ng/ml



#10 gamma-Chlordane

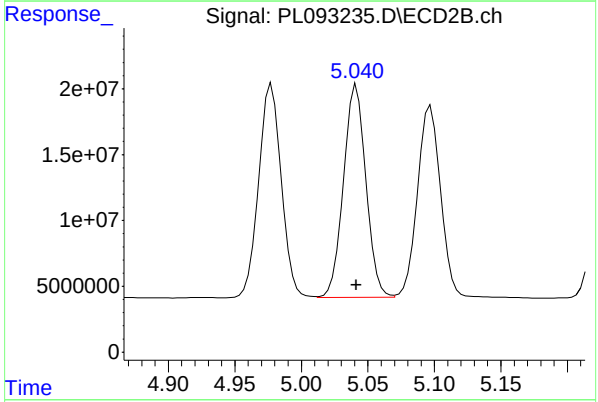
R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 192076156
Conc: 50.00 ng/ml



#11 alpha-Chlordane

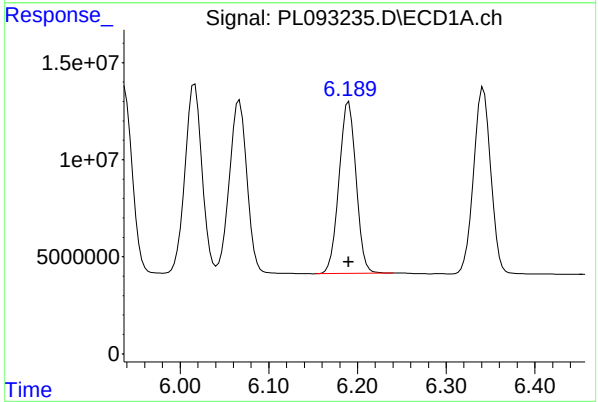
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 130226141
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



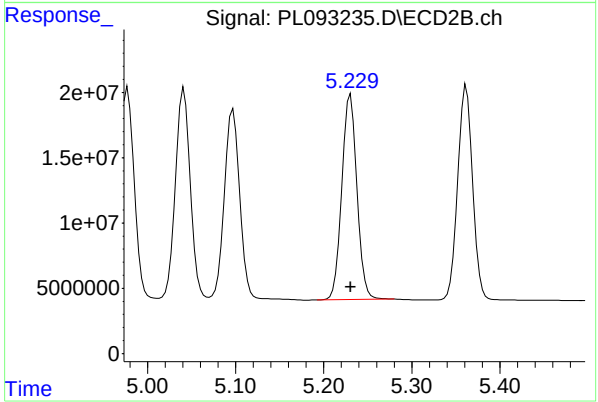
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 189624549
Conc: 50.00 ng/ml



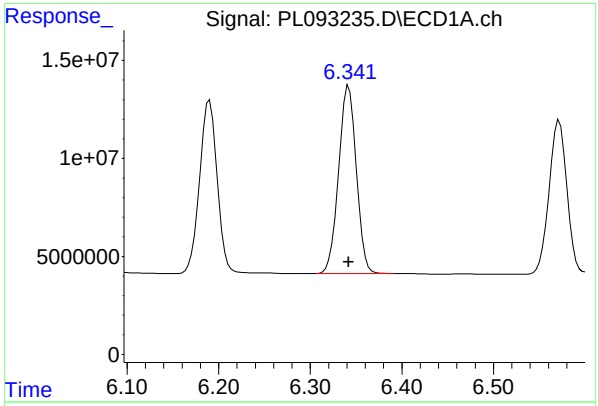
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 118025260
Conc: 50.00 ng/ml



#12 4,4'-DDE

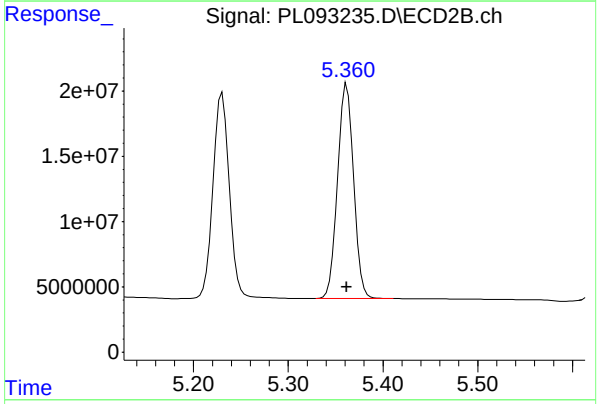
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 187625773
Conc: 50.00 ng/ml



#13 Dieldrin

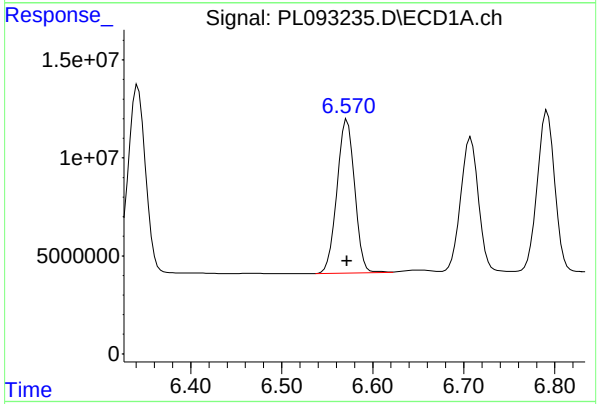
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 129156317
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



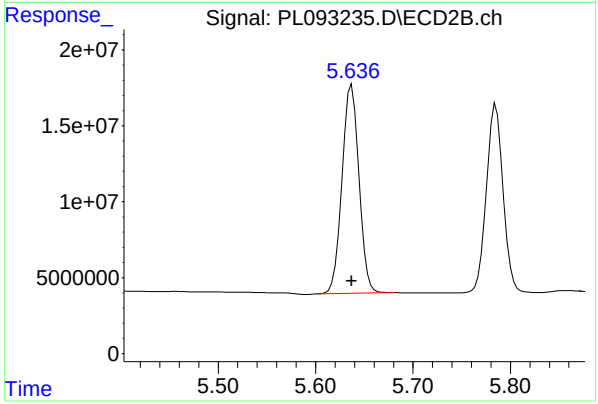
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 193089554
Conc: 50.00 ng/ml



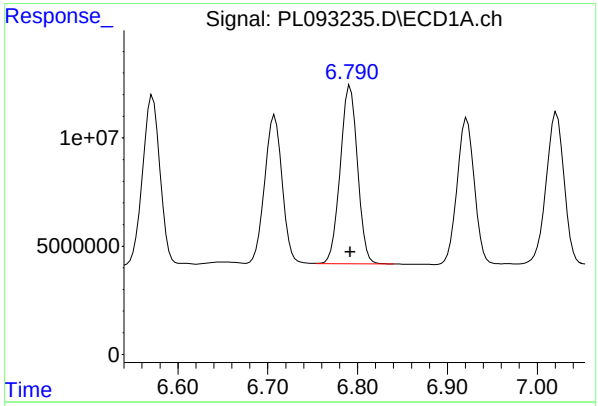
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 105965002
Conc: 50.00 ng/ml



#14 Endrin

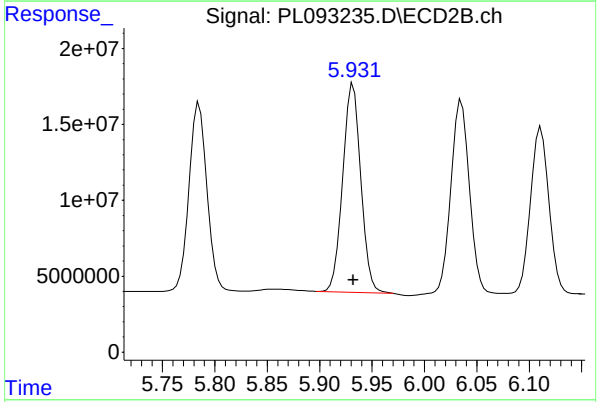
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 166097136
Conc: 50.00 ng/ml



#15 Endosulfan II

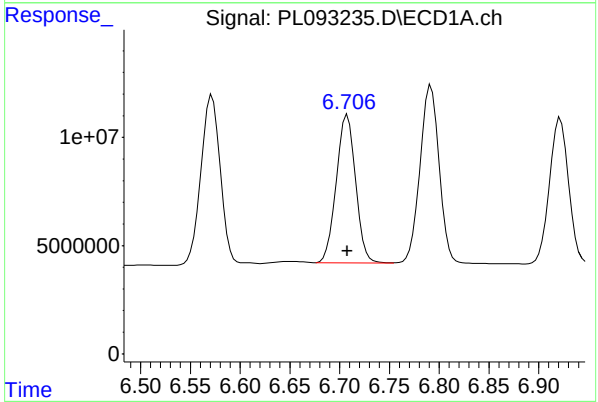
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 109801364
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



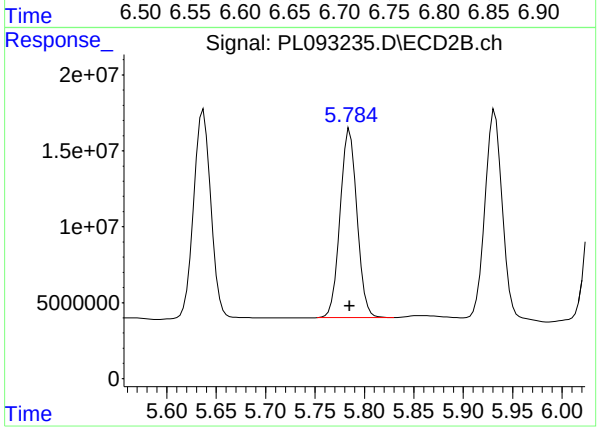
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 166182606
Conc: 50.00 ng/ml



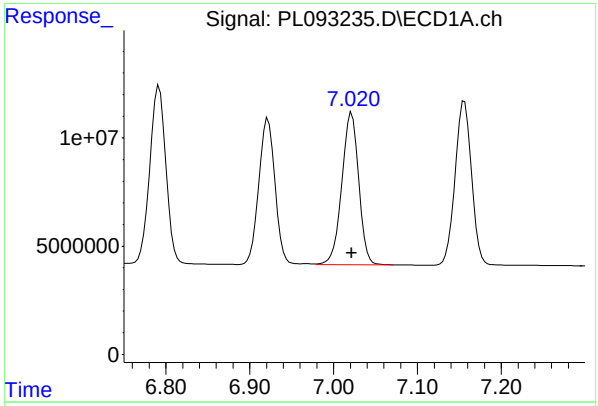
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 92535753
Conc: 50.00 ng/ml



#16 4,4'-DDD

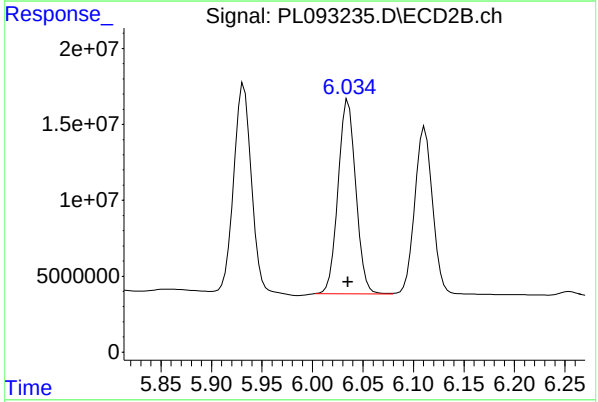
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 147737645
Conc: 50.00 ng/ml



#17 4,4'-DDT

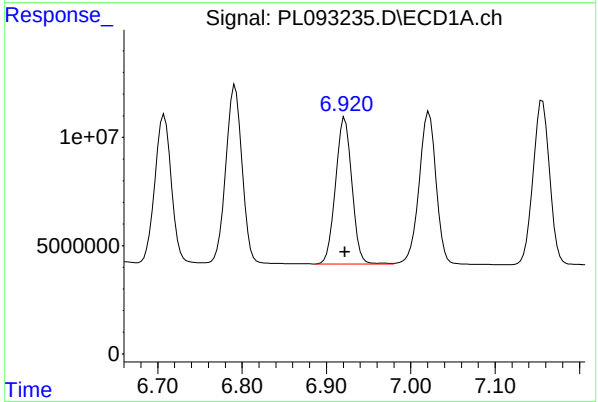
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 98398137
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



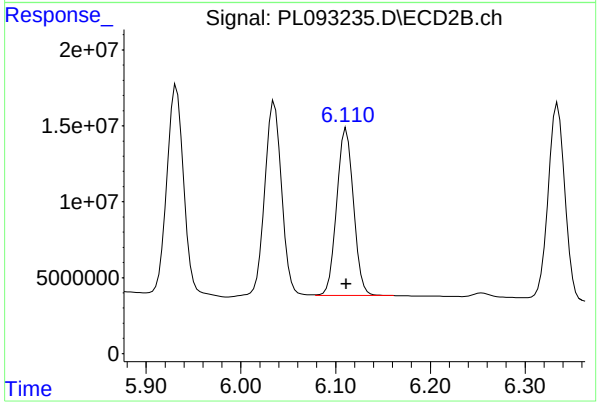
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 156625920
Conc: 50.00 ng/ml



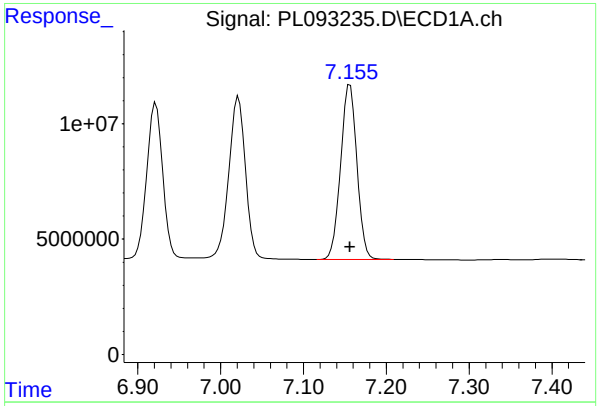
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 91068660
Conc: 50.00 ng/ml



#18 Endrin aldehyde

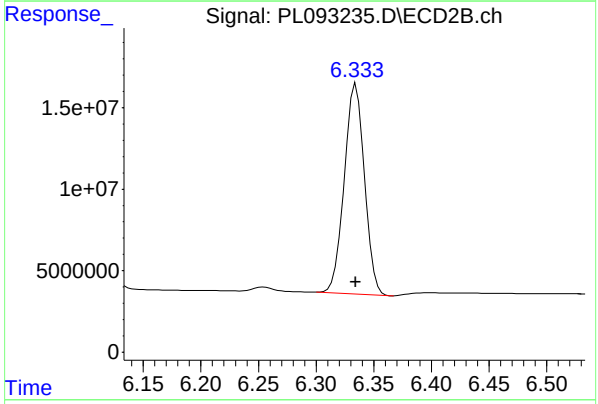
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 134877870
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

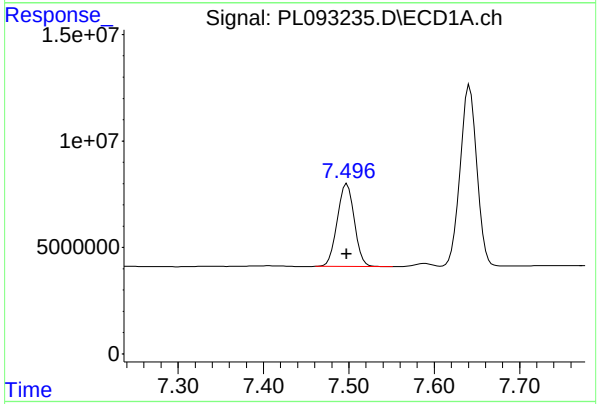
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 103777942
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



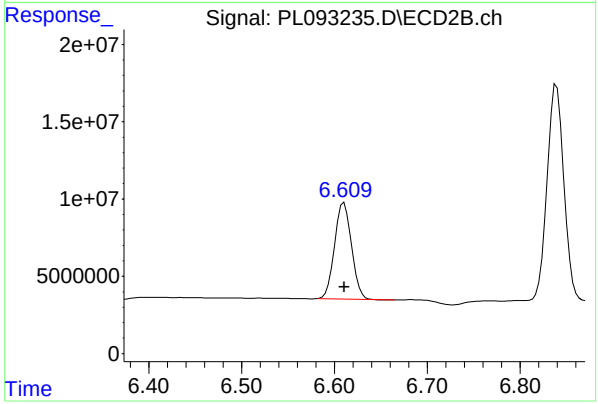
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 156846262
Conc: 50.00 ng/ml



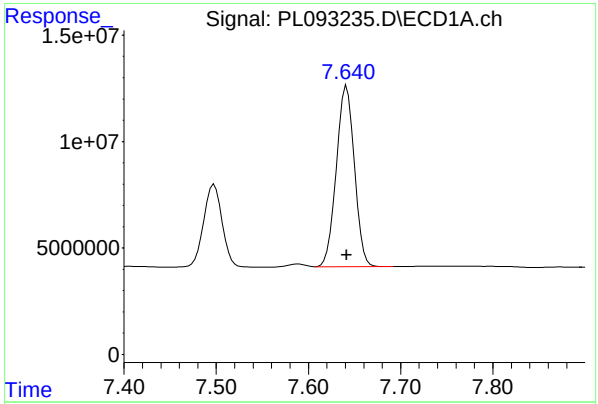
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 53783402
Conc: 50.00 ng/ml



#20 Methoxychlor

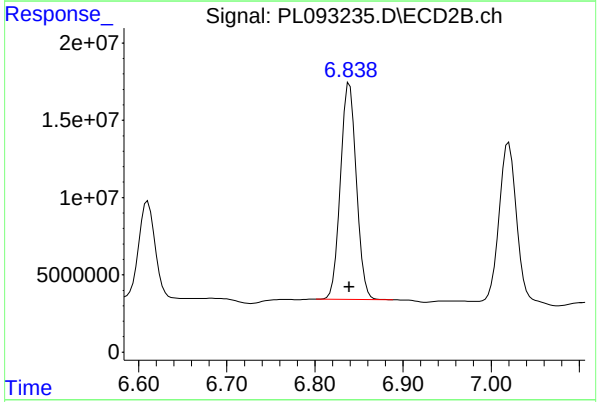
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 79449183
Conc: 50.00 ng/ml



#21 Endrin ketone

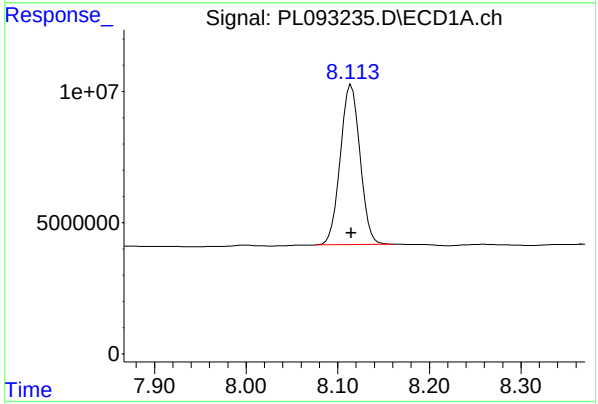
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 115615538
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



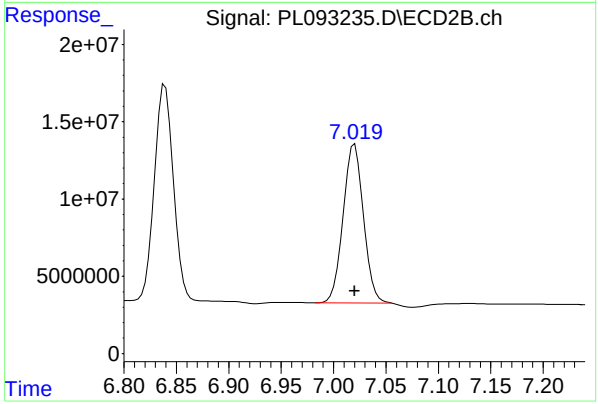
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 176026396
Conc: 50.00 ng/ml



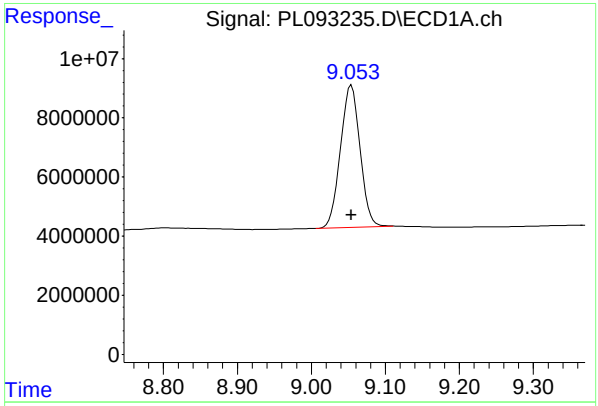
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 91525626
Conc: 50.00 ng/ml



#22 Mirex

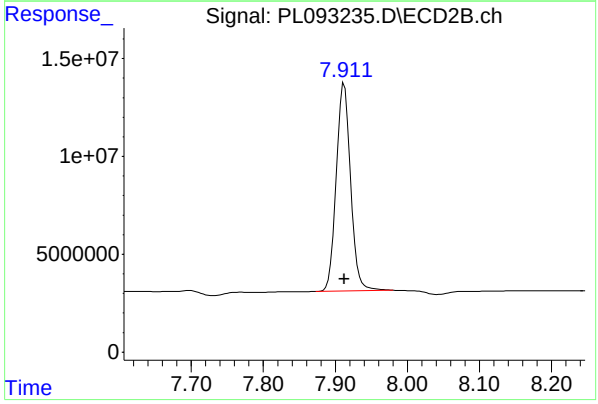
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 139321856
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 mi
Response: 88436209
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 146341900
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:11
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: Nov 25 13:53:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.773	68432357	75037067	26.301	25.278
28)	SA Decachlor...	9.052	7.912	47704738	75653139	26.801	26.168
	Target Compounds						
2)	A alpha-BHC	3.991	3.276	91760662	108.1E6	25.349	23.982
3)	MA gamma-BHC...	4.324	3.606	87651876	105.2E6	25.610	24.168
4)	MA Heptachlor	4.912	3.945	80618924	104.6E6	26.485	24.835
5)	MB Aldrin	5.254	4.224	79037930	101.6E6	26.276	24.390
6)	B beta-BHC	4.522	3.906	40114208	46538246	26.865	25.596
7)	B delta-BHC	4.769	4.135	84458229	107.8E6	25.715	24.345
8)	B Heptachlo...	5.681	4.727	72923617	94744944	26.812	25.040
9)	A Endosulfan I	6.066	5.097	64573475	86840358	26.642	24.980
10)	B gamma-Chl...	5.937	4.977	68242573	95395801	26.407	24.870
11)	B alpha-Chl...	6.016	5.040	68467935	94211296	26.554	24.950
12)	B 4,4'-DDE	6.189	5.230	61764792	92499641	26.275	24.812
13)	MA Dieldrin	6.341	5.361	67418607	94240070	26.359	24.503
14)	MA Endrin	6.570	5.636	55263639	80741640	26.141	24.387
15)	B Endosulfa...	6.791	5.932	57939081	81312064	26.677	24.864
16)	A 4,4'-DDD	6.707	5.784	48146380	71748469	26.315	24.381
17)	MA 4,4'-DDT	7.021	6.035	51363851	75216763	26.331	24.247
18)	B Endrin al...	6.921	6.110	48279210	67808844	26.979	25.534
19)	B Endosulfa...	7.156	6.333	55318552	78047404	27.069	25.259
20)	A Methoxychlor	7.497	6.610	28125645	40688463	26.686	25.893
21)	B Endrin ke...	7.641	6.839	60069880	87685667	26.398	25.269
22)	Mirex	8.114	7.019	49057354	70720603	27.343	25.877

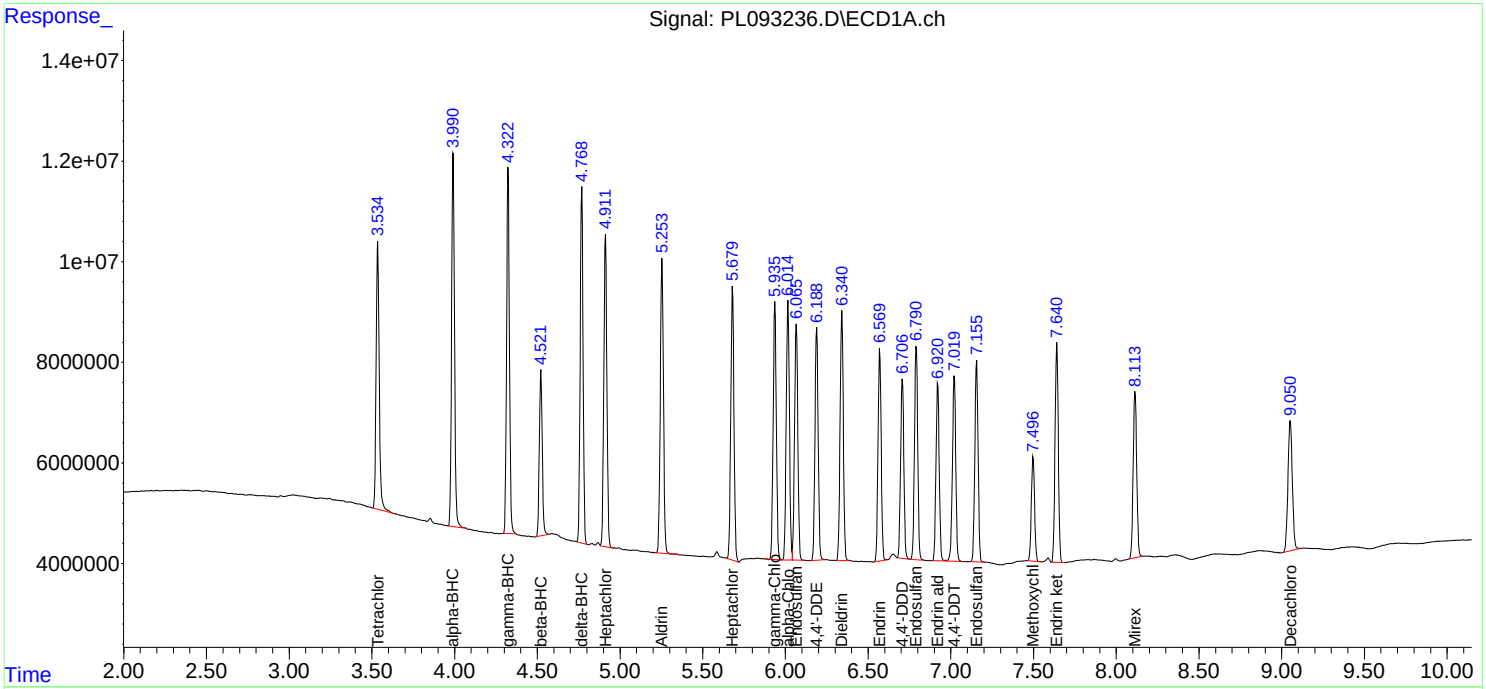
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

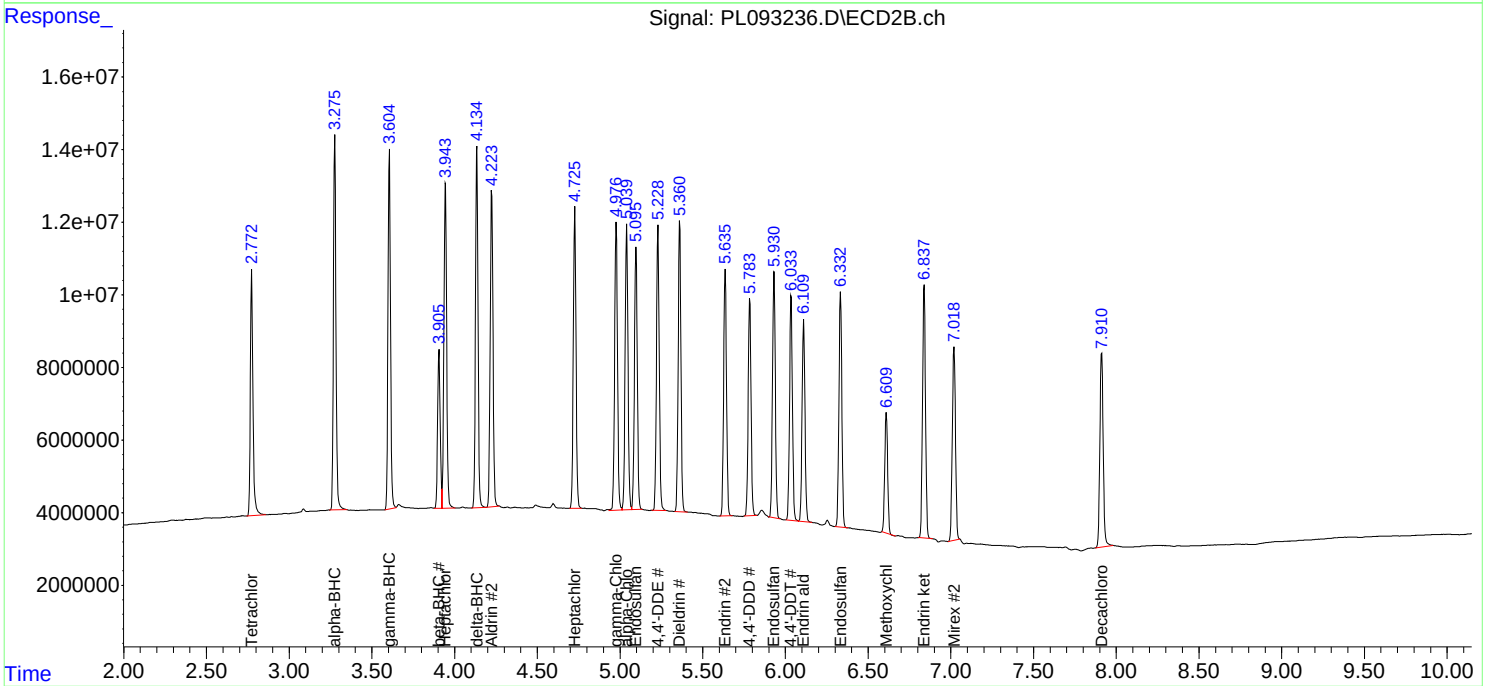
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

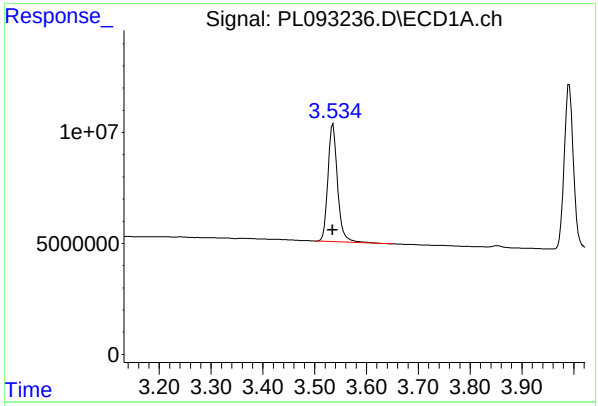
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:53:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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



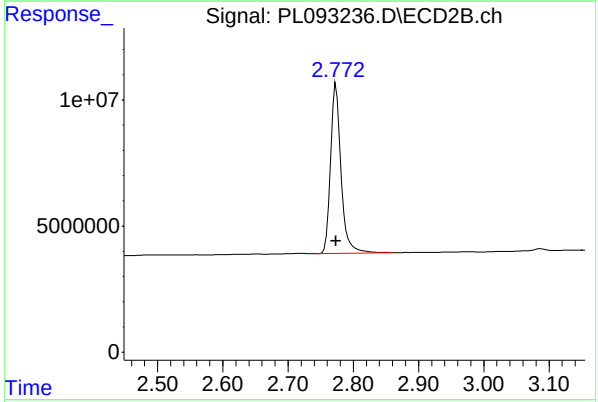




#1 Tetrachloro-m-xylene

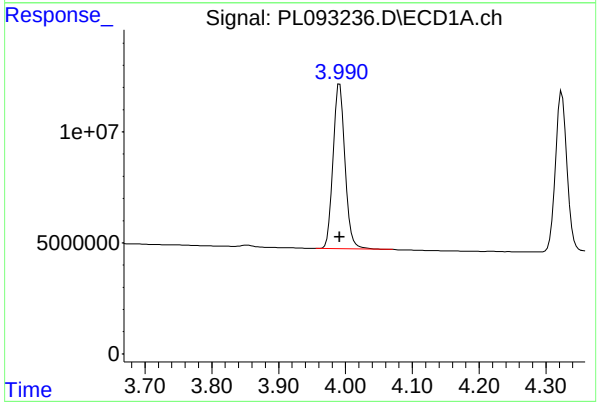
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 68432357
Conc: 26.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



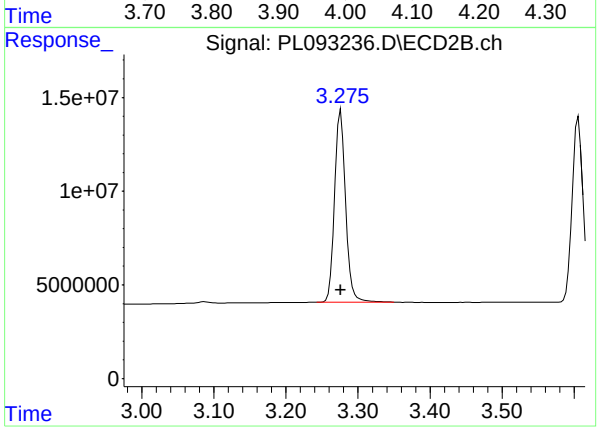
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 75037067
Conc: 25.28 ng/ml



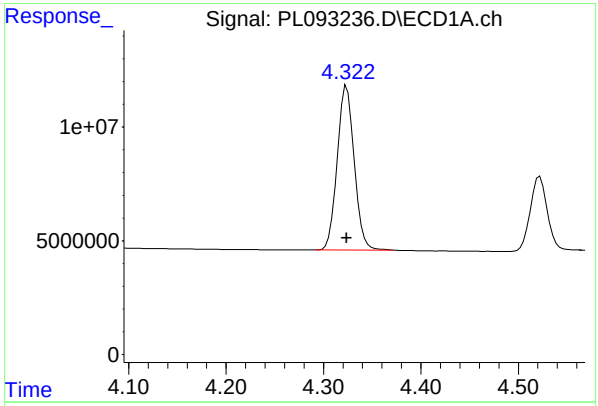
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 91760662
Conc: 25.35 ng/ml



#2 alpha-BHC

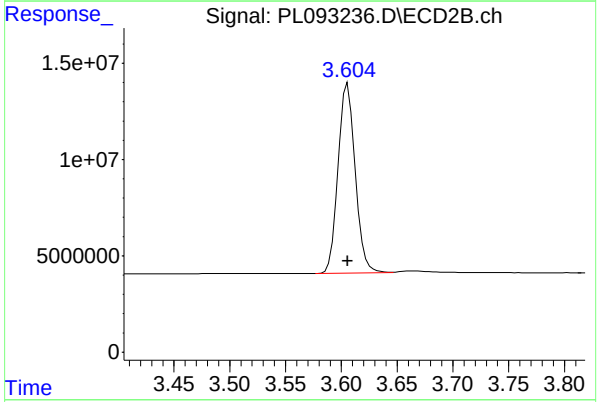
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 108085488
Conc: 23.98 ng/ml



#3 gamma-BHC (Lindane)

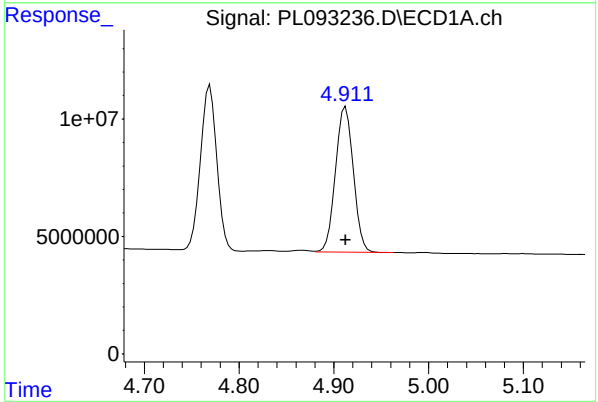
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 87651876
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



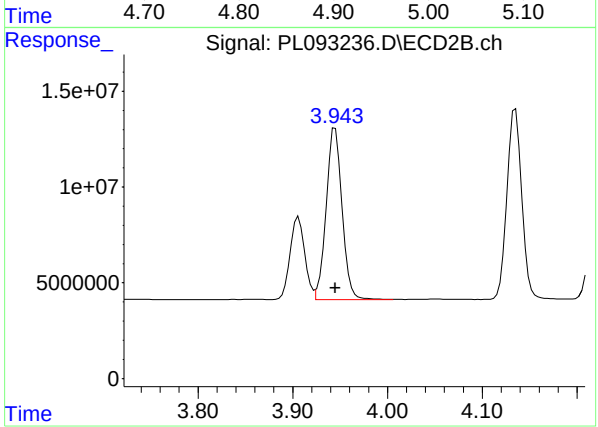
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 105190801
Conc: 24.17 ng/ml



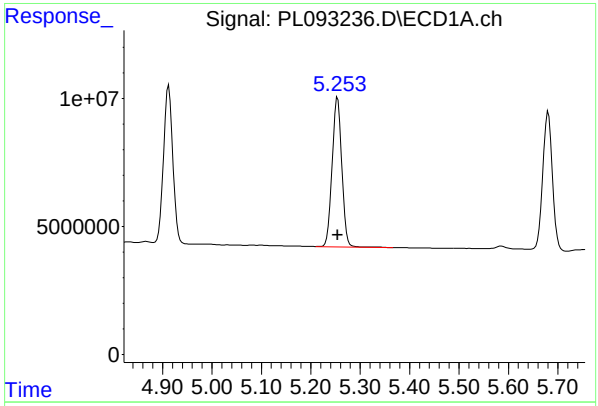
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: 0.000 min
Response: 80618924
Conc: 26.48 ng/ml



#4 Heptachlor

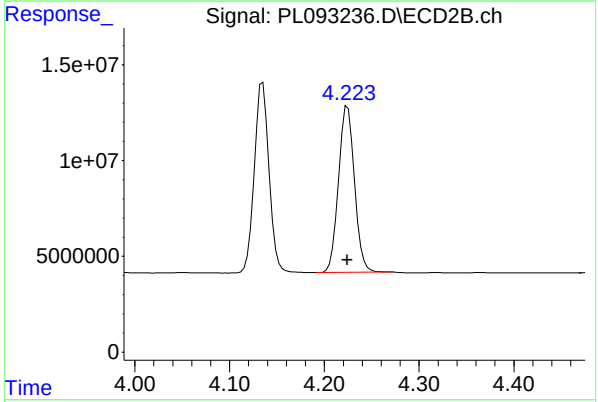
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 104583344
Conc: 24.83 ng/ml



#5 Aldrin

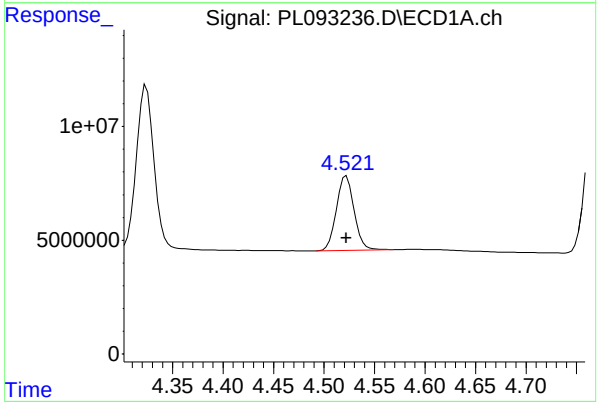
R.T.: 5.254 min
Delta R.T.: 0.000 min
Response: 79037930
Conc: 26.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



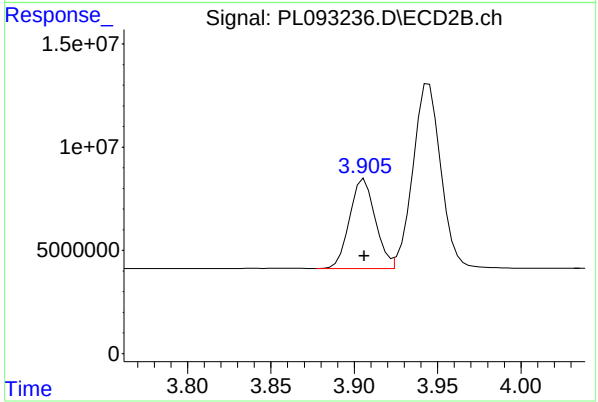
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 101620281
Conc: 24.39 ng/ml



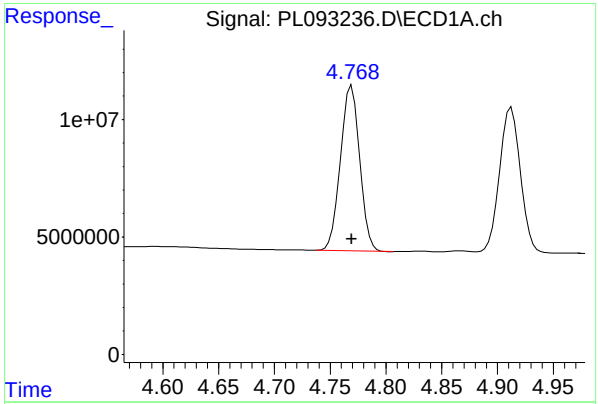
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 40114208
Conc: 26.86 ng/ml



#6 beta-BHC

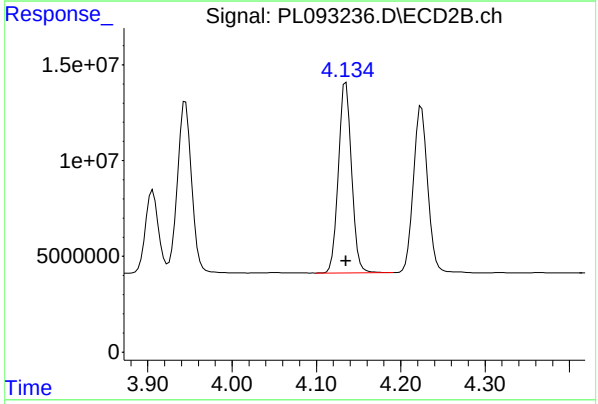
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 46538246
Conc: 25.60 ng/ml



#7 delta-BHC

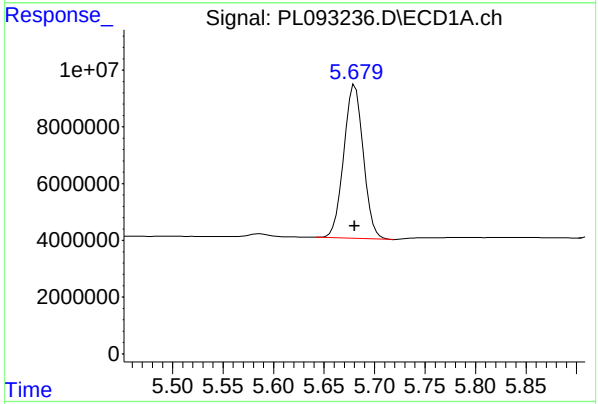
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 84458229
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



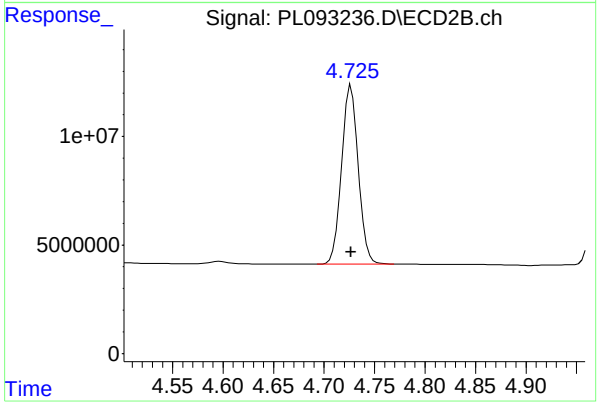
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 107838955
Conc: 24.34 ng/ml



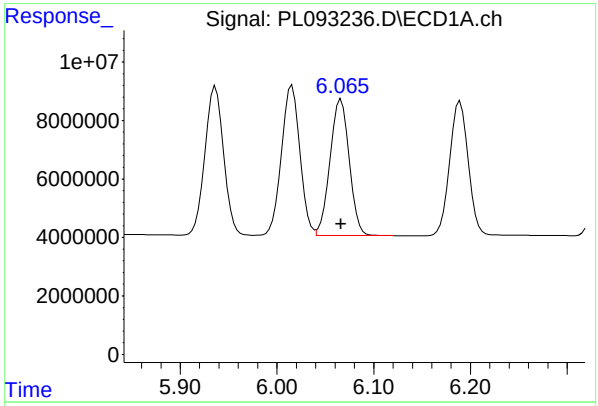
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 72923617
Conc: 26.81 ng/ml



#8 Heptachlor epoxide

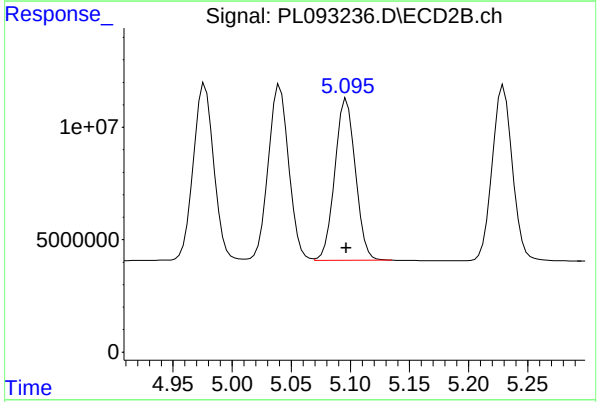
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 94744944
Conc: 25.04 ng/ml



#9 Endosulfan I

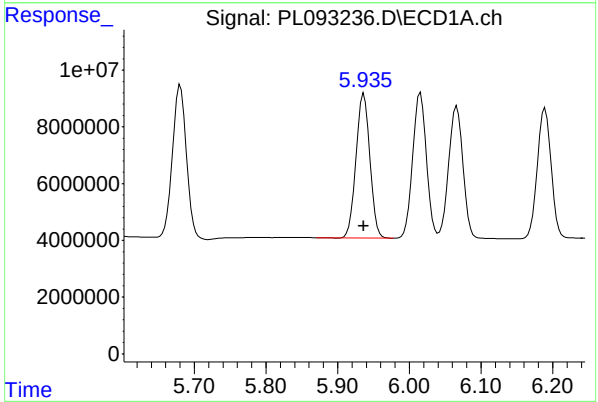
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 64573475
Conc: 26.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



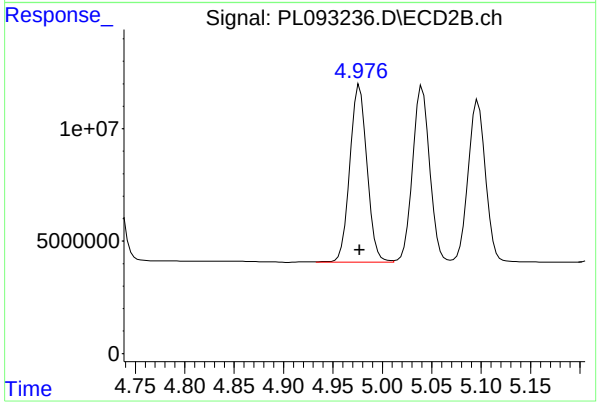
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 86840358
Conc: 24.98 ng/ml



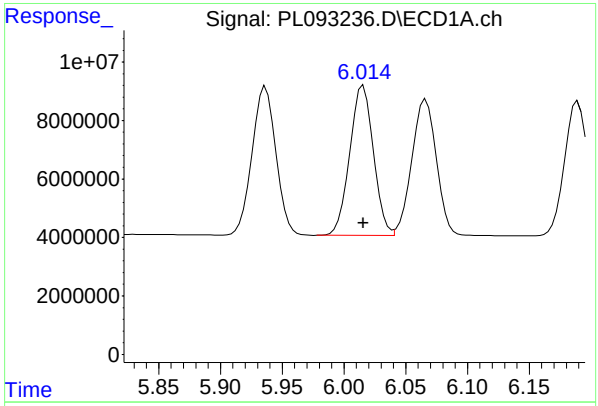
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 68242573
Conc: 26.41 ng/ml



#10 gamma-Chlordane

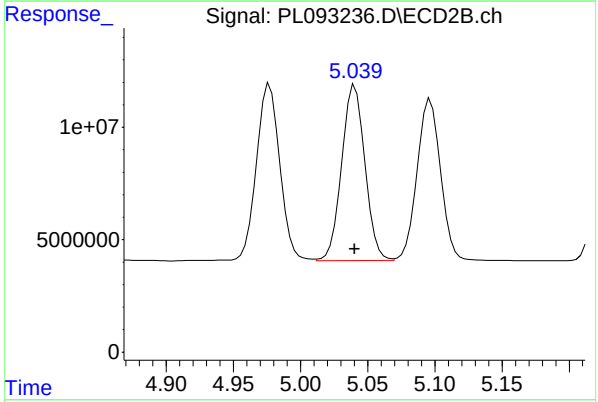
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 95395801
Conc: 24.87 ng/ml



#11 alpha-Chlordane

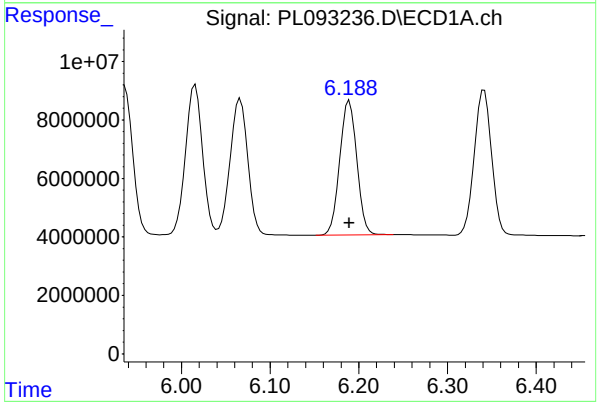
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 68467935
Conc: 26.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



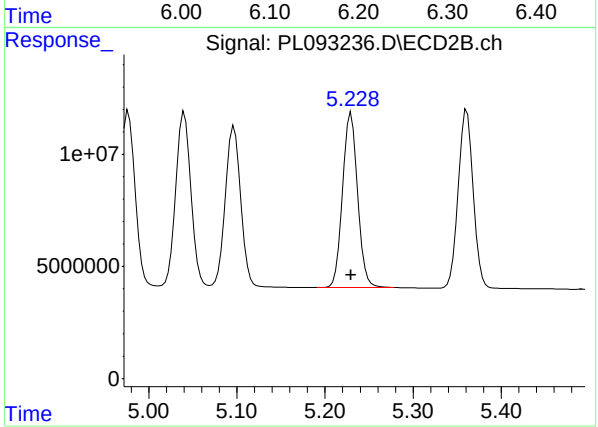
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 94211296
Conc: 24.95 ng/ml



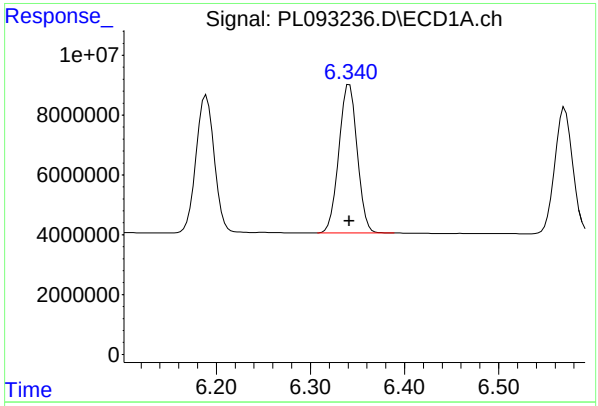
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 61764792
Conc: 26.28 ng/ml



#12 4,4'-DDE

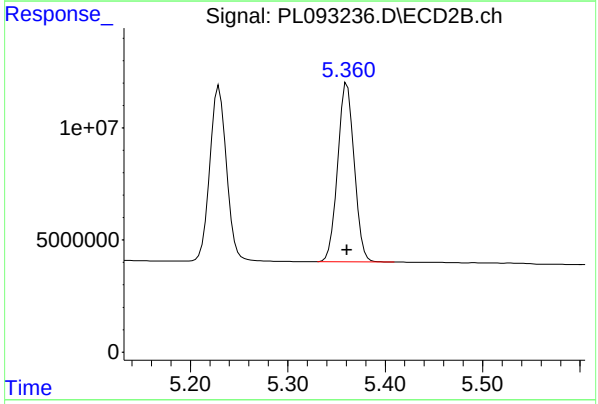
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 92499641
Conc: 24.81 ng/ml



#13 Dieldrin

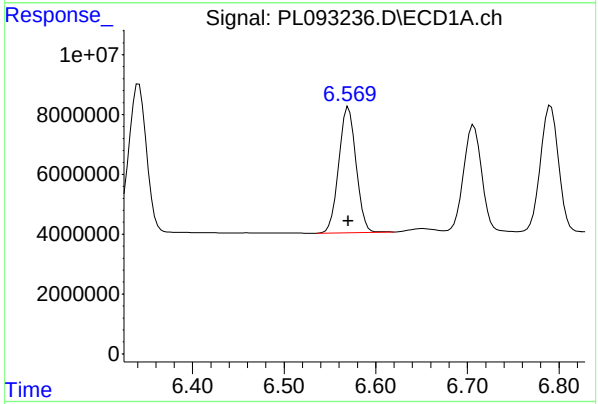
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 67418607
Conc: 26.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



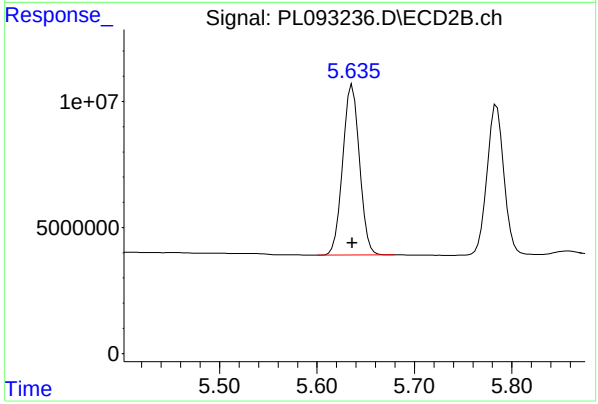
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 94240070
Conc: 24.50 ng/ml



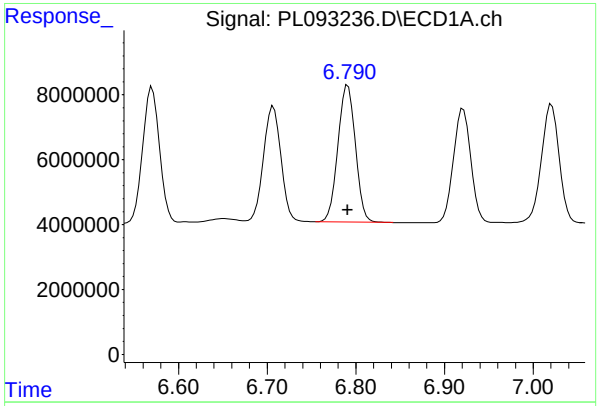
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 55263639
Conc: 26.14 ng/ml



#14 Endrin

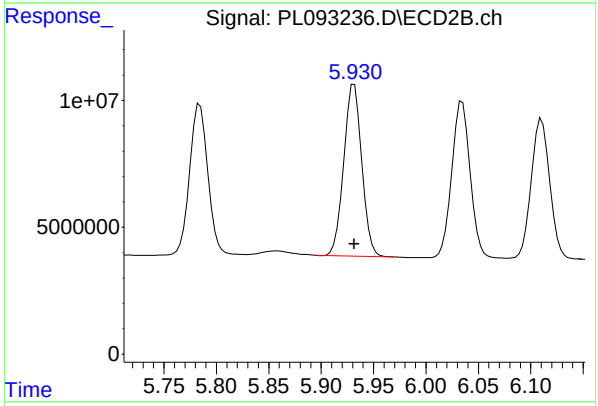
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 80741640
Conc: 24.39 ng/ml



#15 Endosulfan II

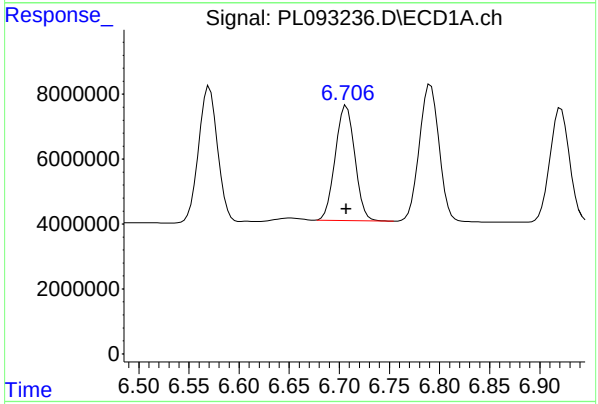
R.T.: 6.791 min
Delta R.T.: 0.000 min
Response: 57939081
Conc: 26.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



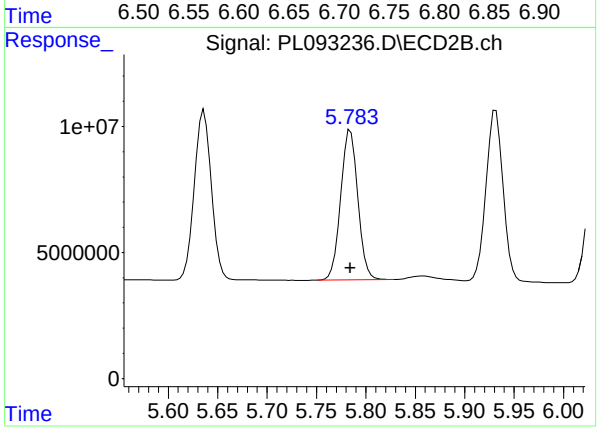
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 81312064
Conc: 24.86 ng/ml



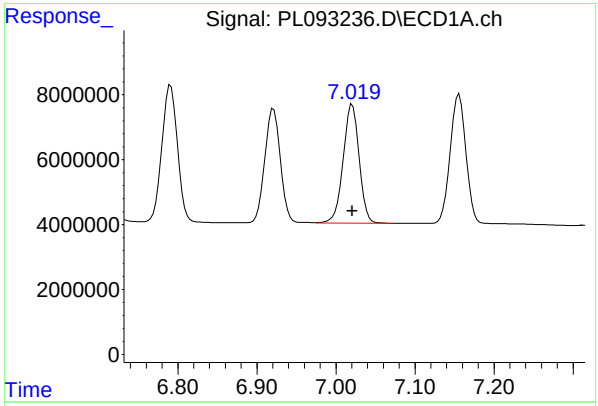
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 48146380
Conc: 26.32 ng/ml



#16 4,4'-DDD

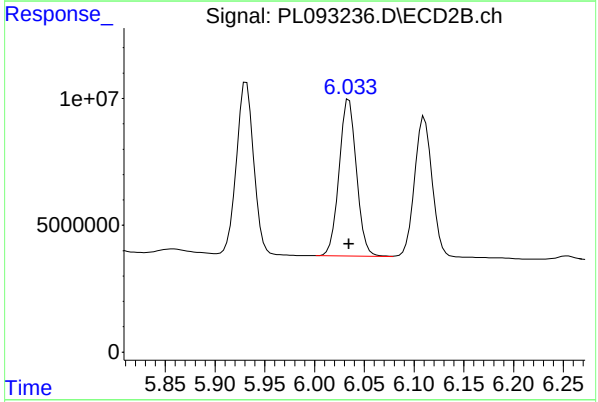
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 71748469
Conc: 24.38 ng/ml



#17 4,4'-DDT

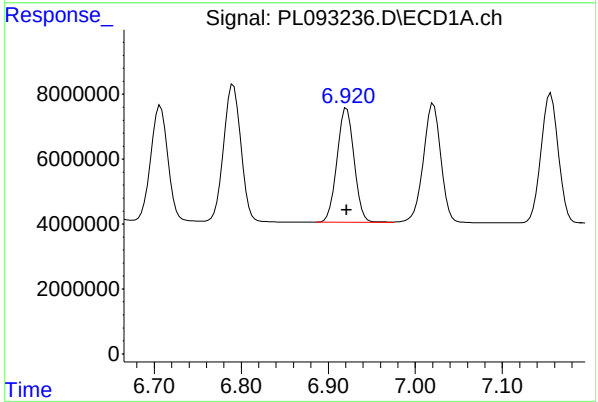
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 51363851
Conc: 26.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



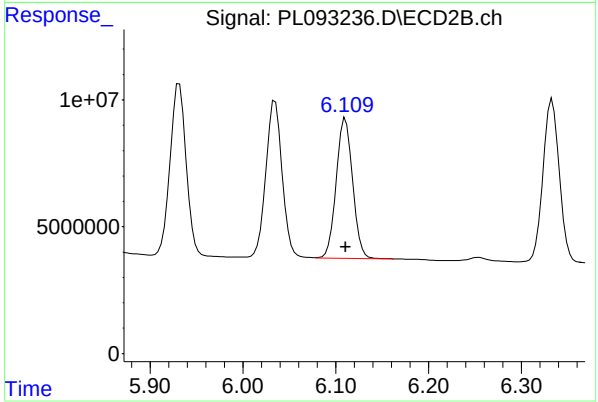
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 75216763
Conc: 24.25 ng/ml



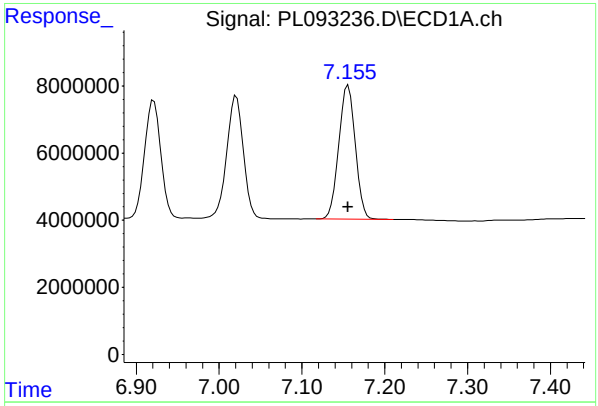
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 48279210
Conc: 26.98 ng/ml



#18 Endrin aldehyde

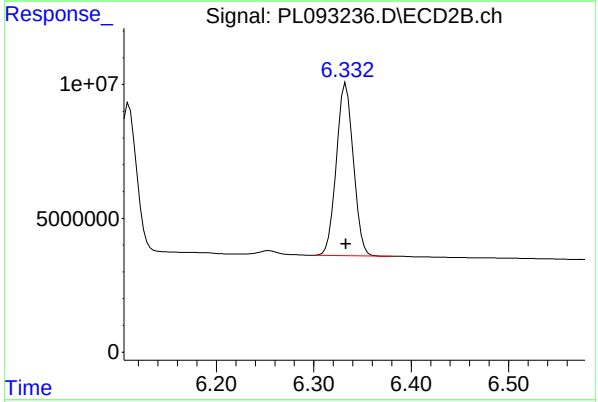
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 67808844
Conc: 25.53 ng/ml



#19 Endosulfan Sulfate

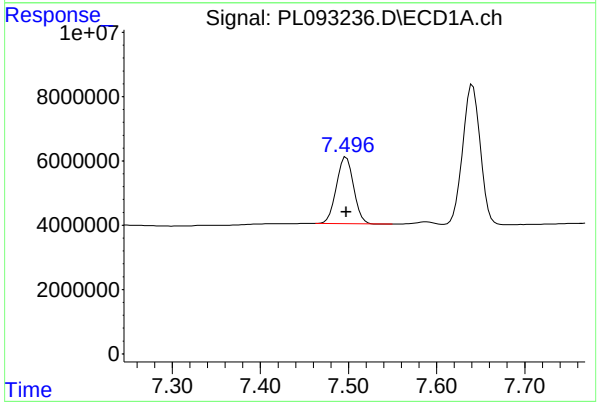
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 55318552
Conc: 27.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



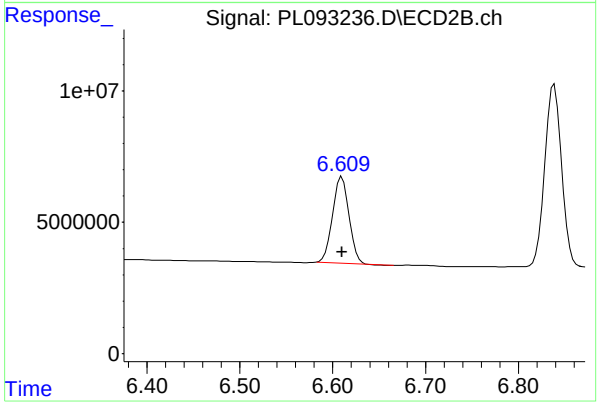
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 78047404
Conc: 25.26 ng/ml



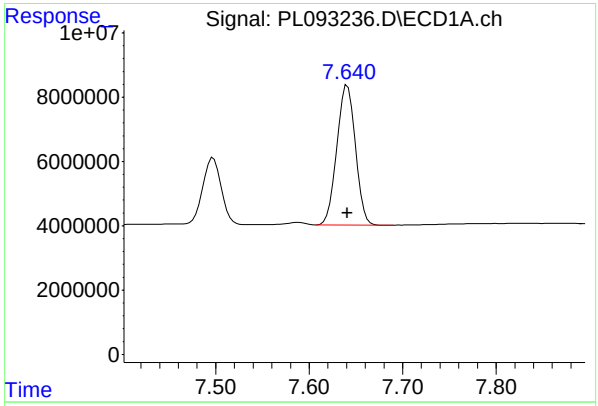
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 28125645
Conc: 26.69 ng/ml



#20 Methoxychlor

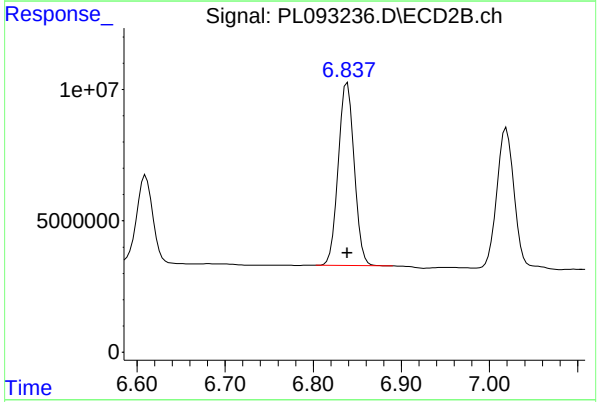
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 40688463
Conc: 25.89 ng/ml



#21 Endrin ketone

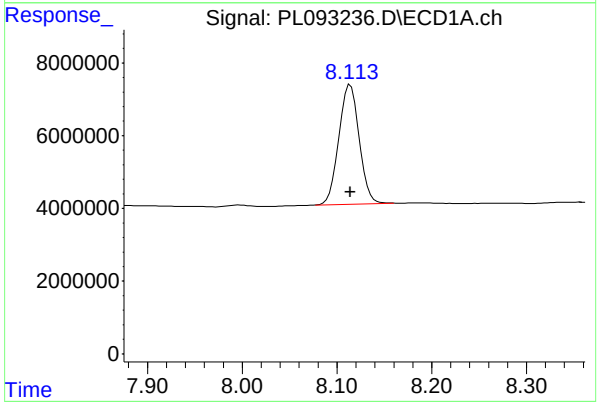
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 60069880
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



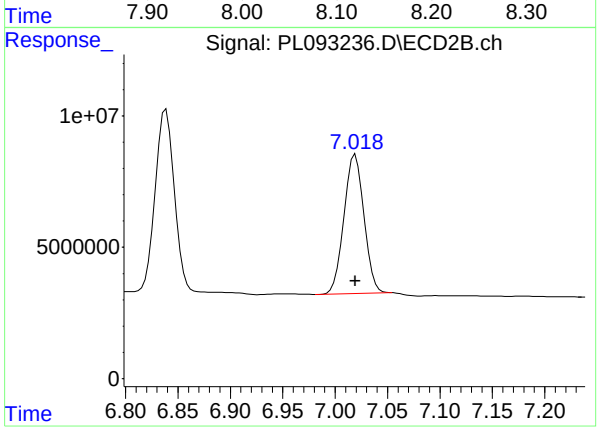
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 87685667
Conc: 25.27 ng/ml



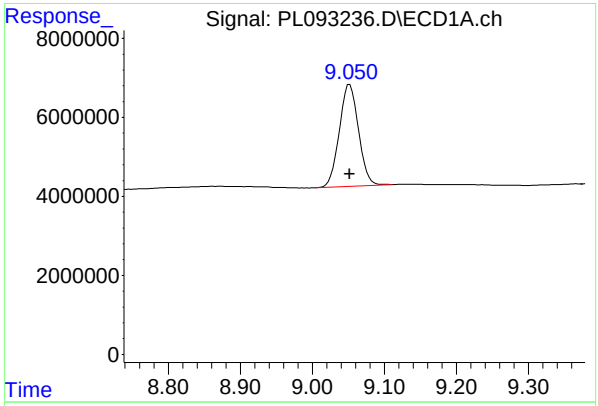
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 49057354
Conc: 27.34 ng/ml



#22 Mirex

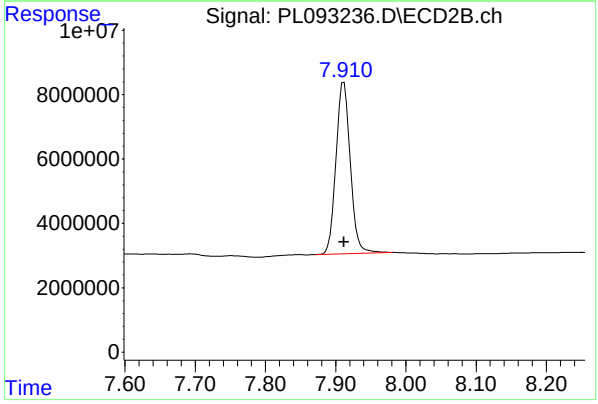
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 70720603
Conc: 25.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 47704738
Conc: 26.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 75653139
Conc: 26.17 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:55:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	12935818	12731689	4.977	4.415
28)	SA Decachlor...	9.053	7.912	7864790	13589966	4.531m	4.758
	Target Compounds						
2)	A alpha-BHC	3.992	3.276	16814145	16598186	4.712	3.888
3)	MA gamma-BHC...	4.324	3.606	16014261	16445252	4.740	3.973
4)	MA Heptachlor	4.911	3.945	15523195	16915624	5.081m	4.181
5)	MB Aldrin	5.255	4.224	15019448	16143434	4.995	4.057
6)	B beta-BHC	4.523	3.907	7879453	8108565	5.219	4.558
7)	B delta-BHC	4.770	4.135	17026788	18069674	5.146	4.235
8)	B Heptachlo...	5.681	4.727	15020333	15380848	5.409	4.223
9)	A Endosulfan I	6.067	5.097	12379386	14045867	5.086	4.202
10)	B gamma-Chl...	5.937	4.977	12722617	15911800	4.938	4.295
11)	B alpha-Chl...	6.016	5.041	13208242	15236516	5.098	4.197
12)	B 4,4'-DDE	6.190	5.230	11468908	14941224	4.903	4.174
13)	MA Dieldrin	6.342	5.361	12925499	15216826	5.043	4.129
14)	MA Endrin	6.572	5.637	10155319	13515384	4.842	4.238
15)	B Endosulfa...	6.791	5.932	11074866	13820293	5.079	4.361
16)	A 4,4'-DDD	6.706	5.785	9215353	11229181	5.053m	4.006
17)	MA 4,4'-DDT	7.021	6.035	9182338	12002393	4.763	4.052
18)	B Endrin al...	6.922	6.111	9374942	12445900	5.189	4.746
19)	B Endosulfa...	7.157	6.334	10945325	14195138	5.281	4.670
20)	A Methoxychlor	7.498	6.611	5042879	6745446	4.826	4.418
21)	B Endrin ke...	7.642	6.839	11220438	14522912	4.945	4.326
22)	Mirex	8.115	7.018	9273747	12504313	5.134	4.647m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

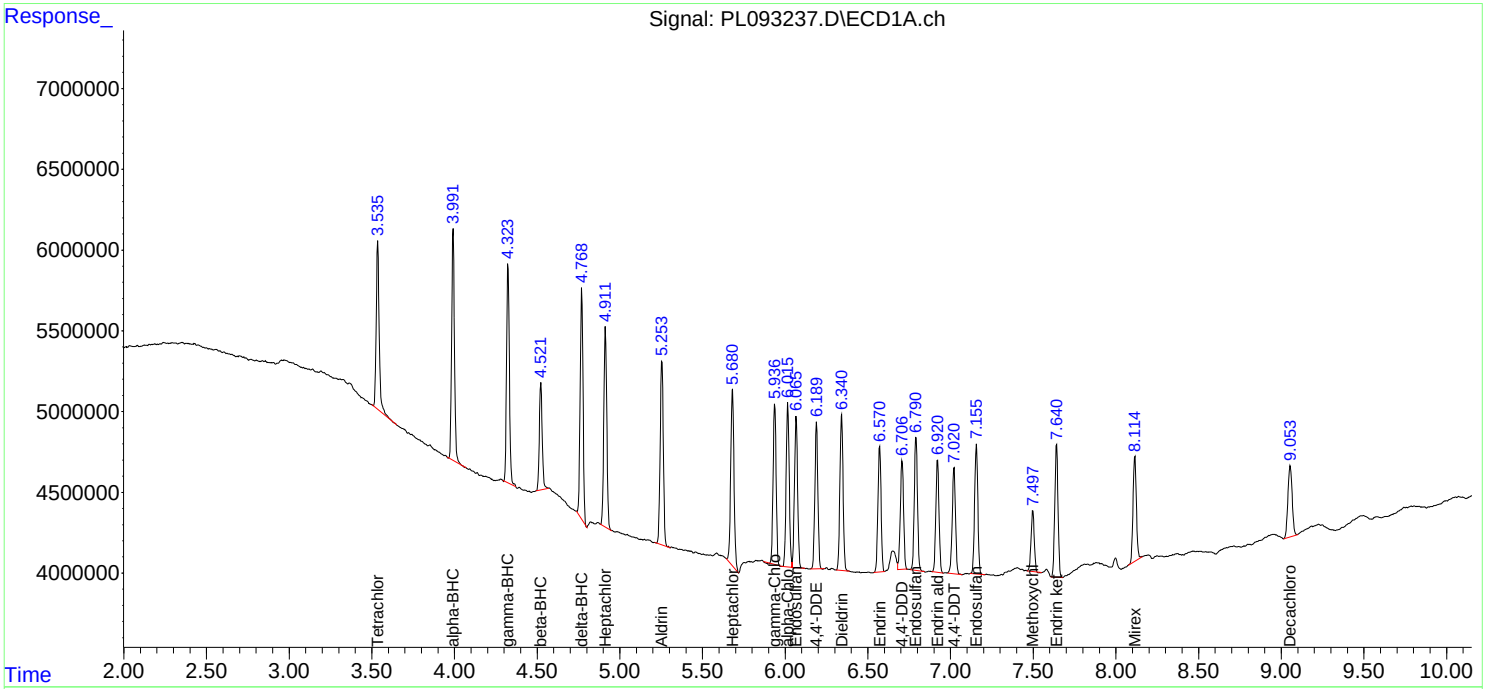
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

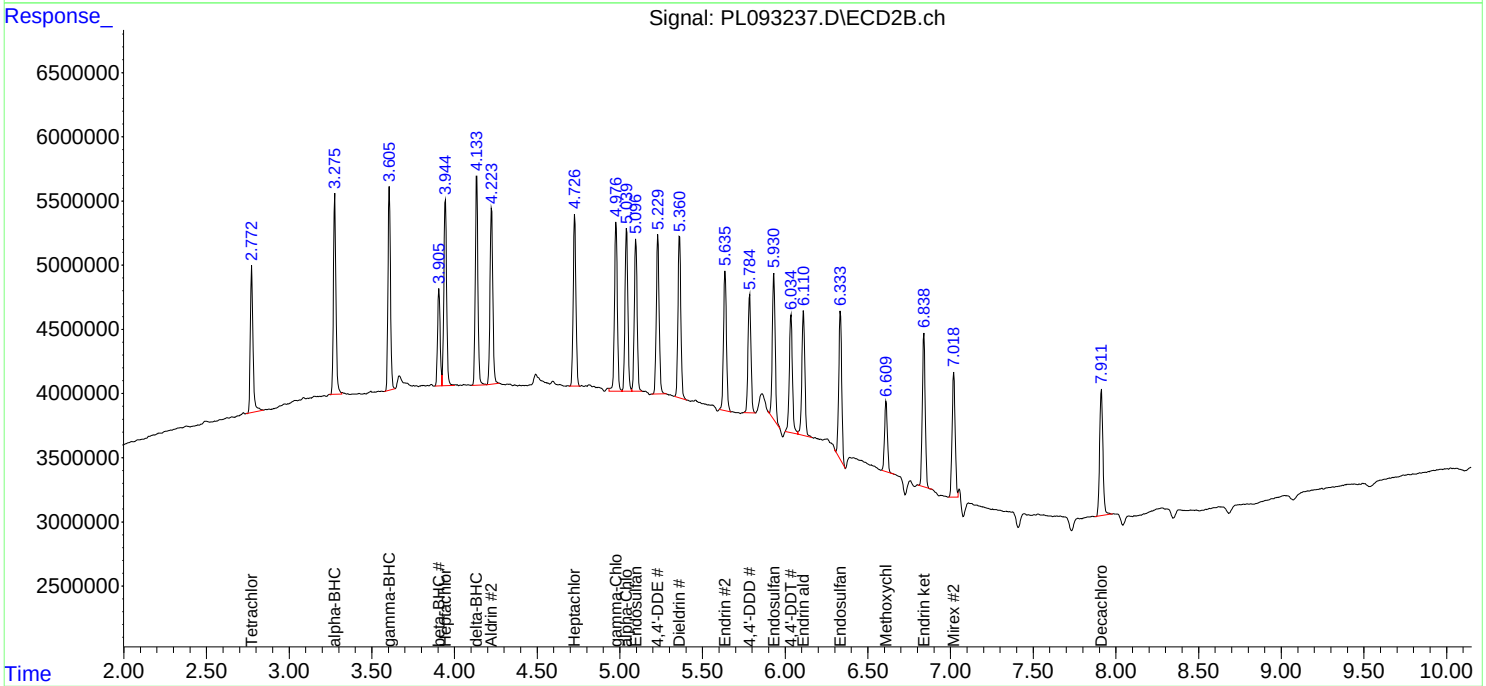
Manual Integrations APPROVED

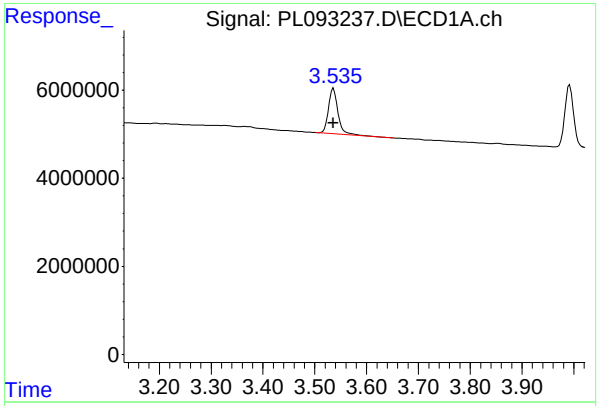
Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:55:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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







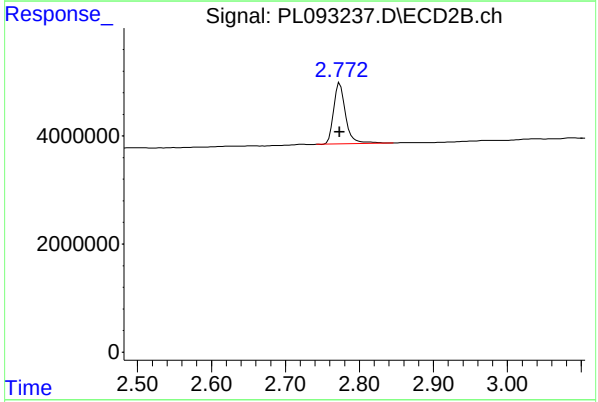
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 12935818
Conc: 4.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

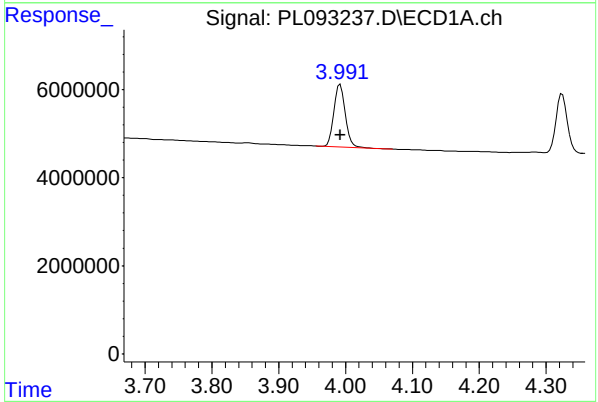
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



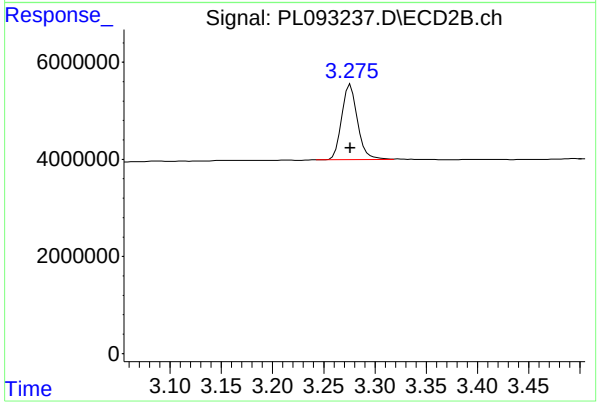
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 12731689
Conc: 4.41 ng/ml



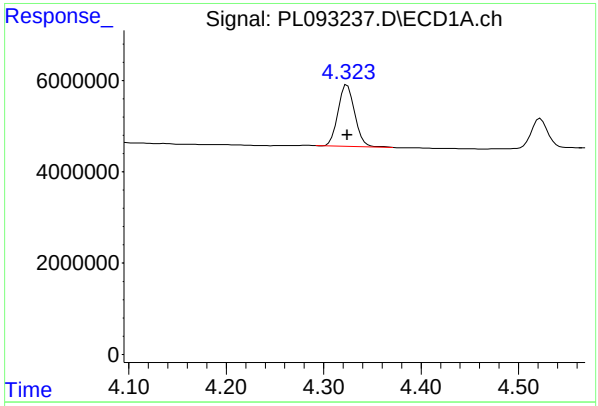
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 16814145
Conc: 4.71 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 16598186
Conc: 3.89 ng/ml



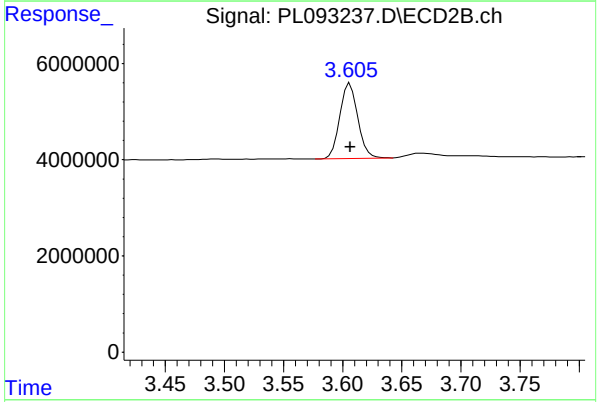
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 mi
Response: 16014261
Conc: 4.74 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

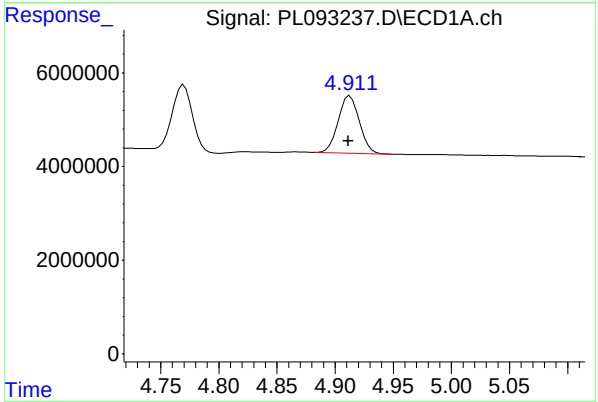
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



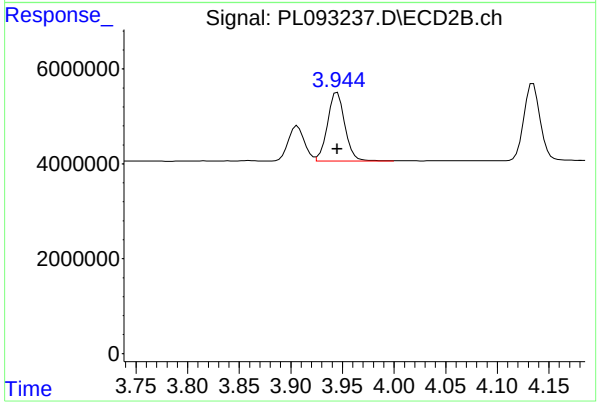
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 16445252
Conc: 3.97 ng/ml



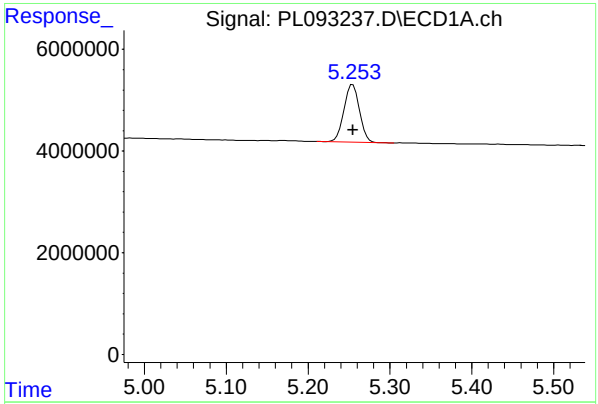
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: 0.000 min
Response: 15523195
Conc: 5.08 ng/ml m



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 16915624
Conc: 4.18 ng/ml



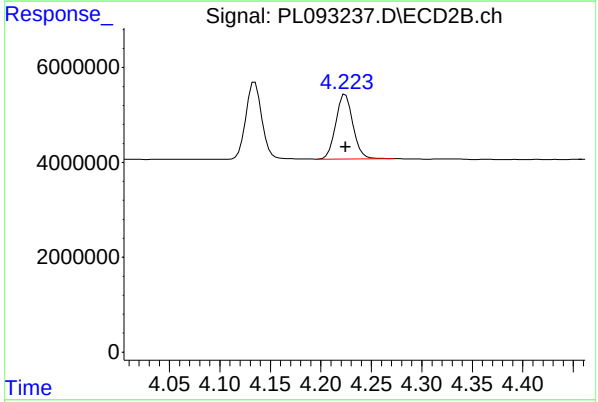
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 15019448
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

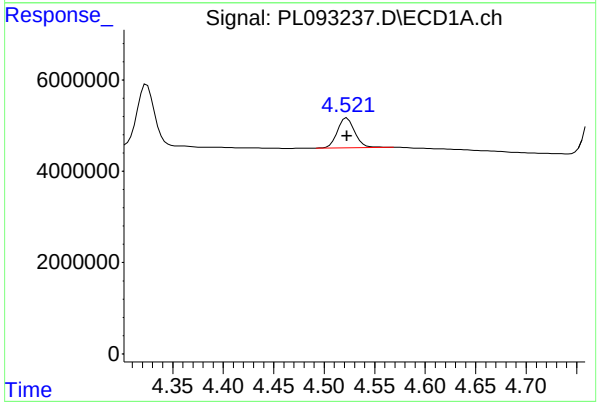
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



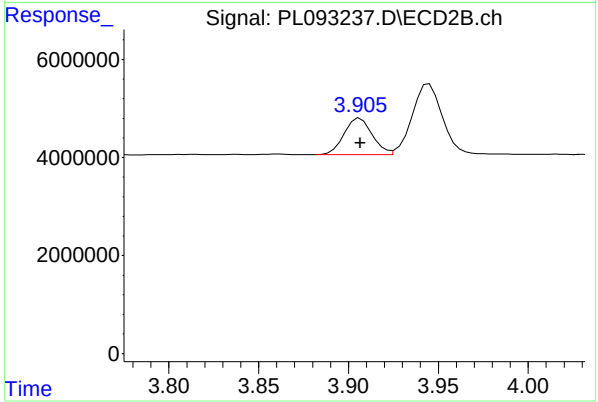
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 16143434
Conc: 4.06 ng/ml



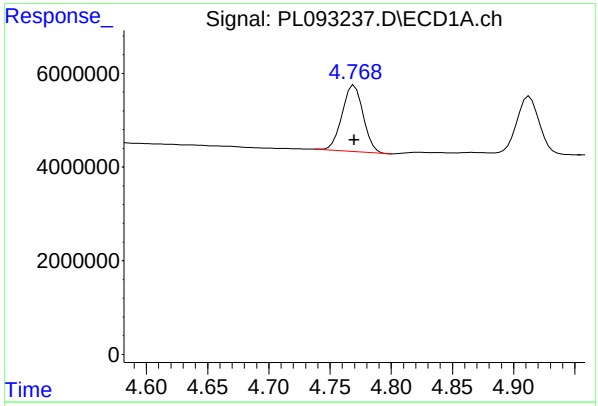
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 7879453
Conc: 5.22 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 8108565
Conc: 4.56 ng/ml



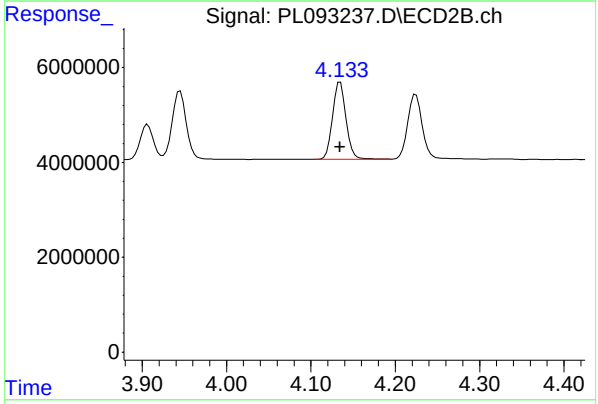
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 17026788
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

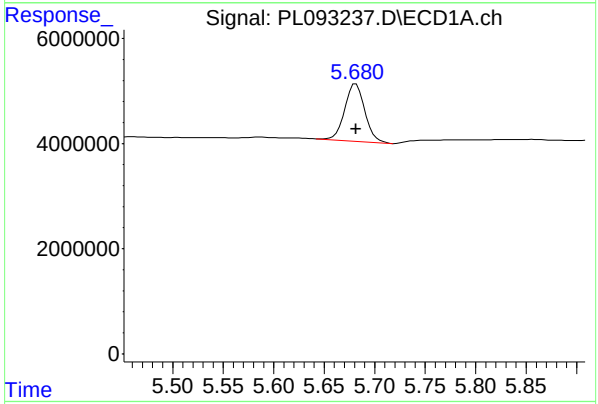
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



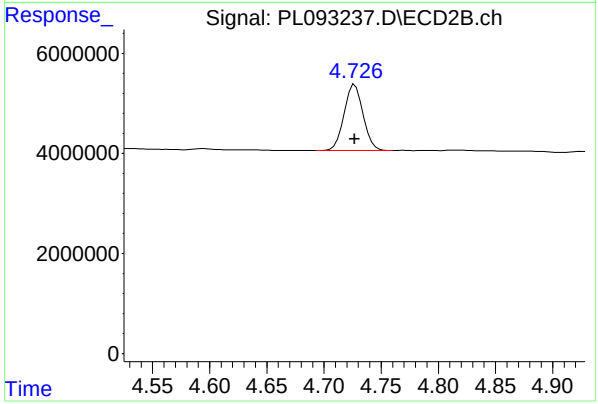
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 18069674
Conc: 4.24 ng/ml



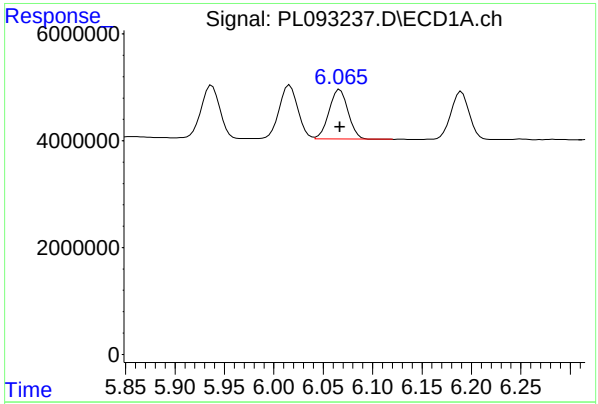
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 15020333
Conc: 5.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 15380848
Conc: 4.22 ng/ml



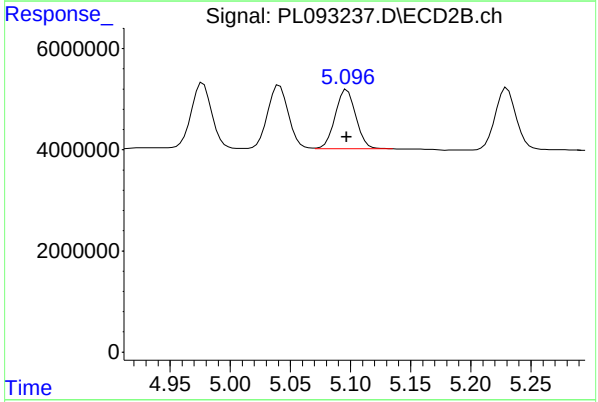
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 12379386
Conc: 5.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

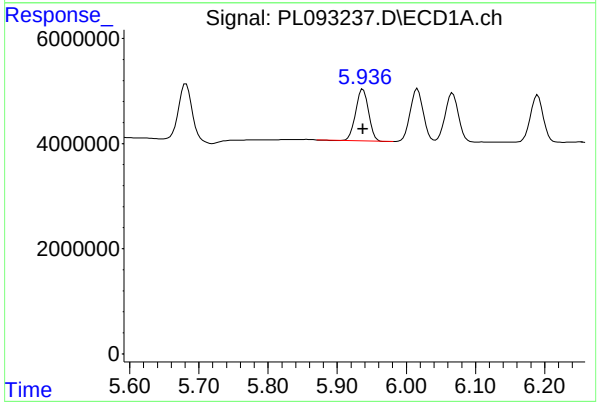
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



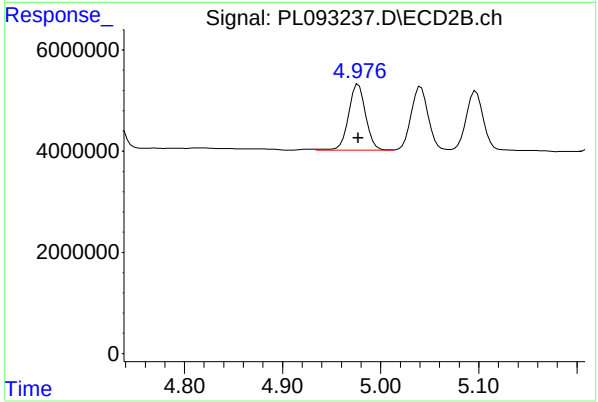
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 14045867
Conc: 4.20 ng/ml



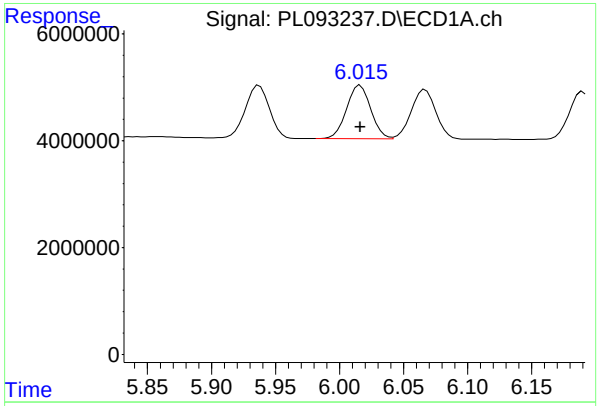
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 12722617
Conc: 4.94 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 15911800
Conc: 4.29 ng/ml



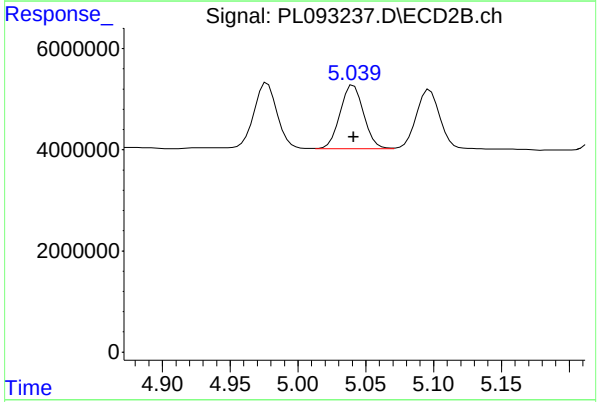
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 13208242
Conc: 5.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

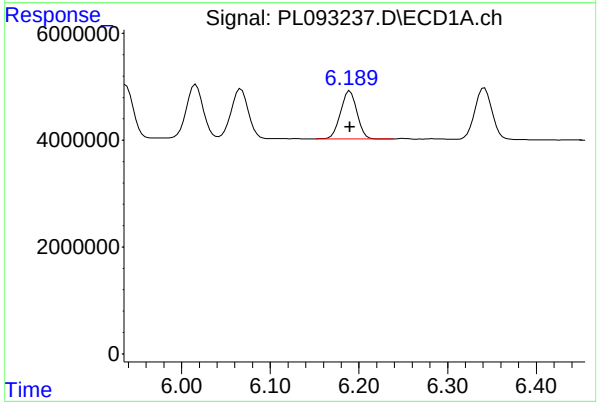
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



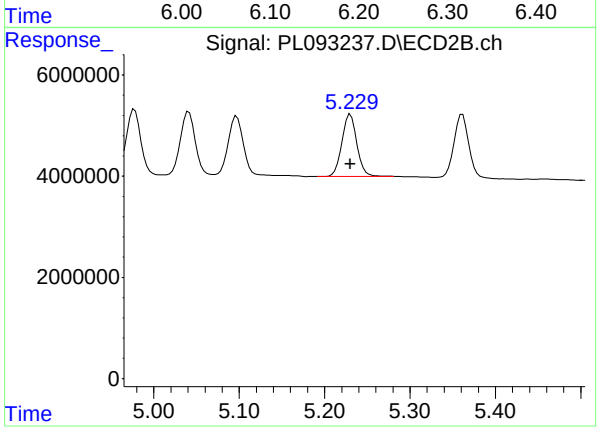
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 15236516
Conc: 4.20 ng/ml



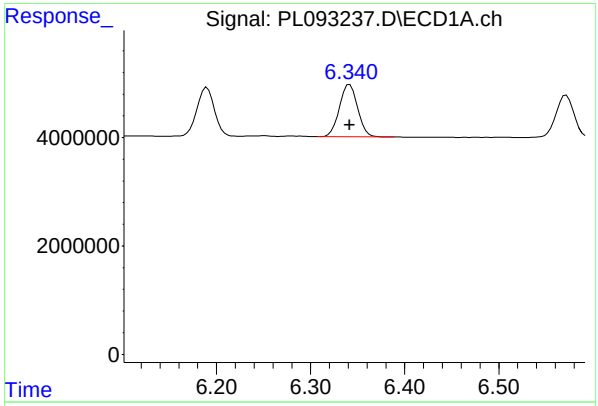
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 11468908
Conc: 4.90 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 14941224
Conc: 4.17 ng/ml



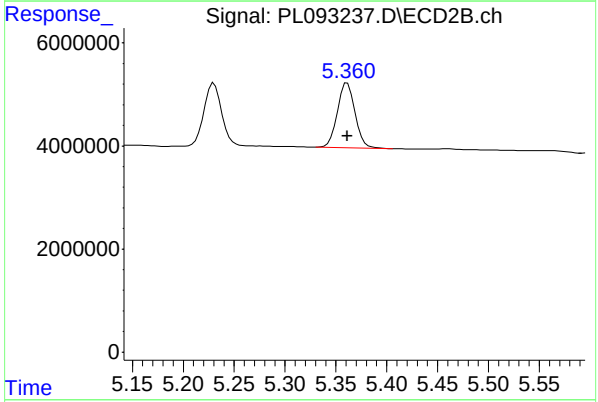
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 12925499
Conc: 5.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

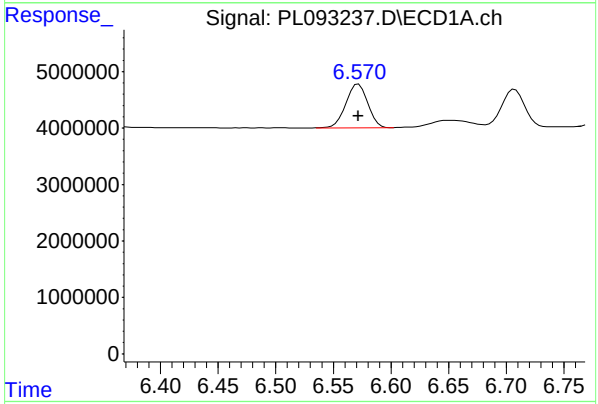
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



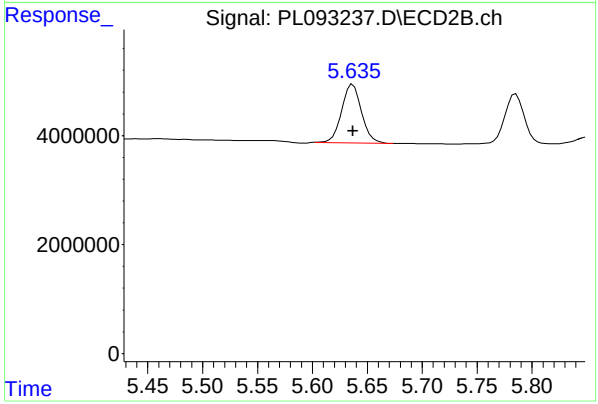
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 15216826
Conc: 4.13 ng/ml



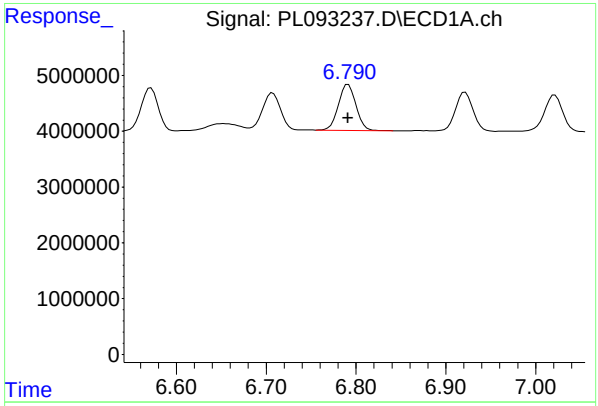
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 10155319
Conc: 4.84 ng/ml



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 13515384
Conc: 4.24 ng/ml



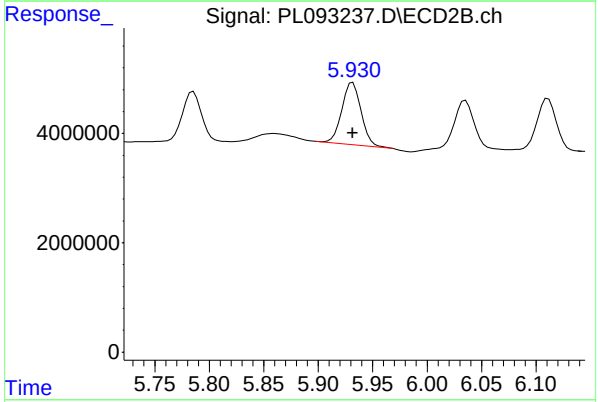
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.000 mi
Response: 11074866
Conc: 5.08 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

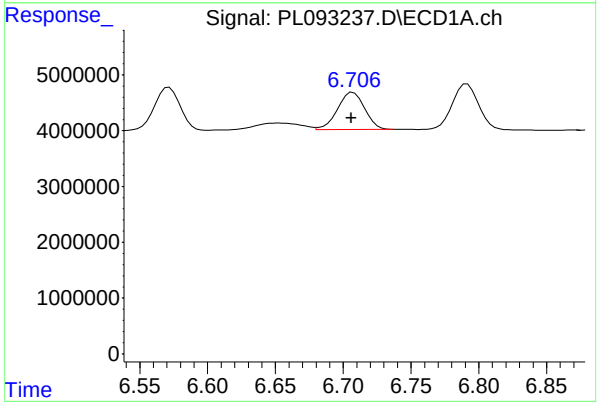
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



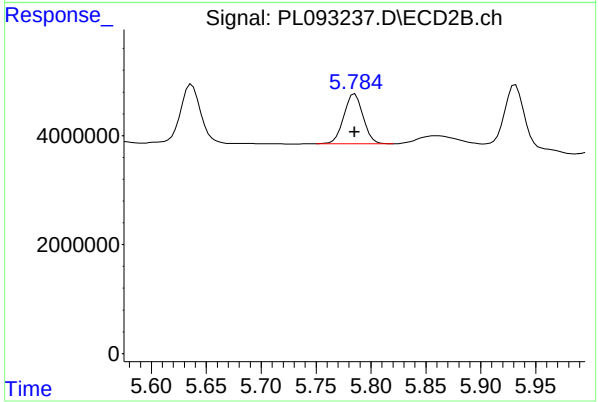
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 13820293
Conc: 4.36 ng/ml



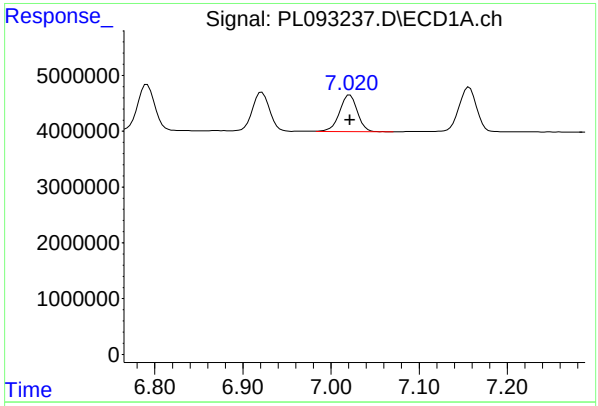
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 9215353
Conc: 5.05 ng/ml m



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 11229181
Conc: 4.01 ng/ml



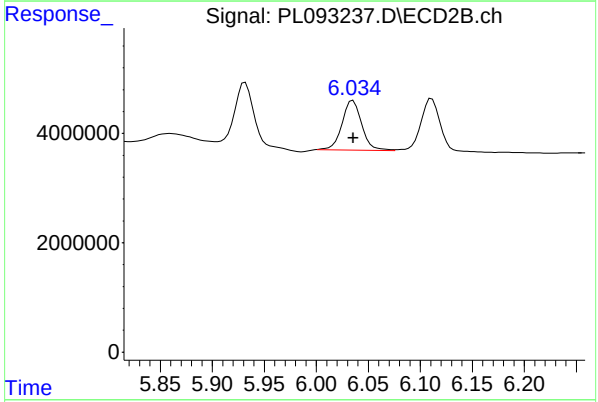
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 9182338
Conc: 4.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

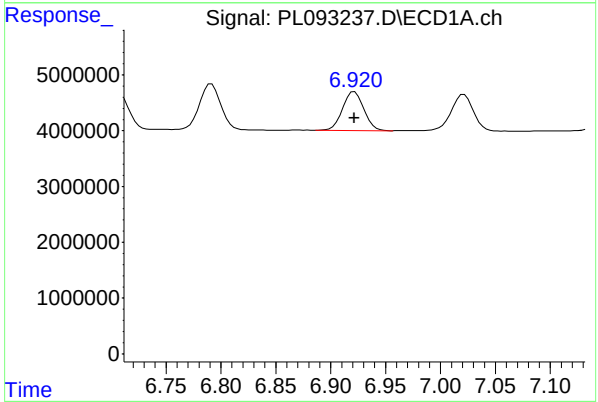
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



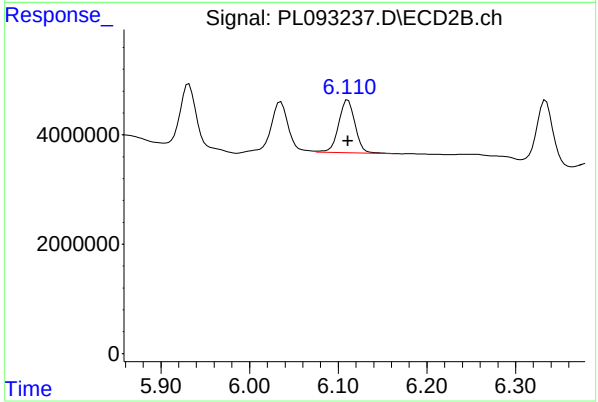
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 12002393
Conc: 4.05 ng/ml



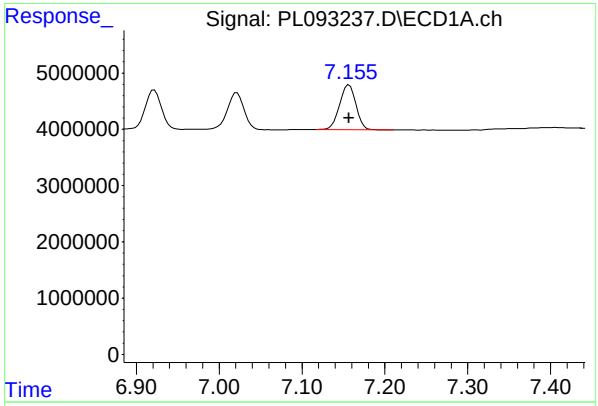
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 9374942
Conc: 5.19 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 12445900
Conc: 4.75 ng/ml



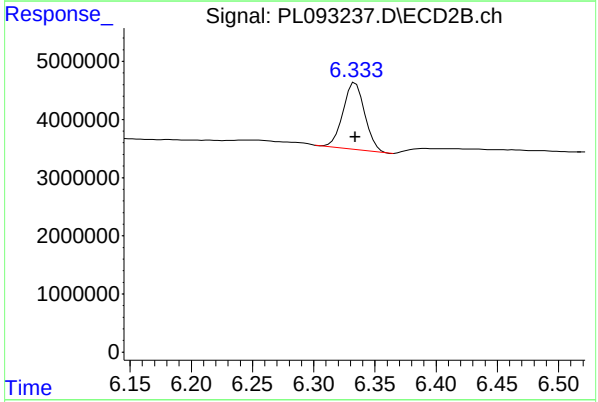
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 10945325
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

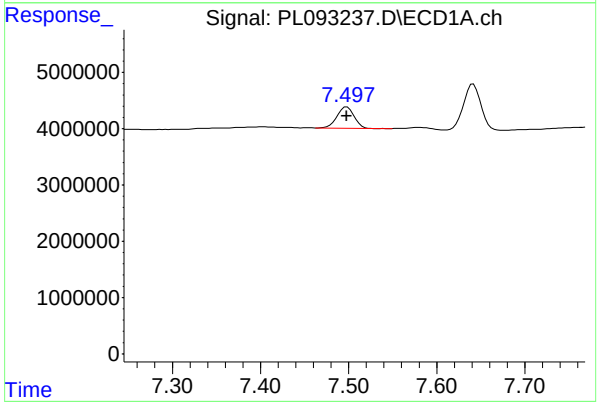
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



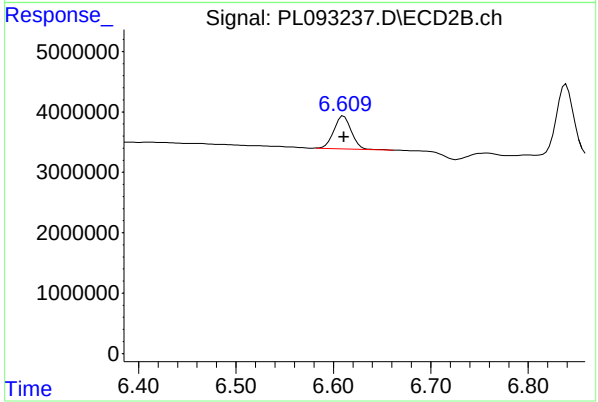
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 14195138
Conc: 4.67 ng/ml



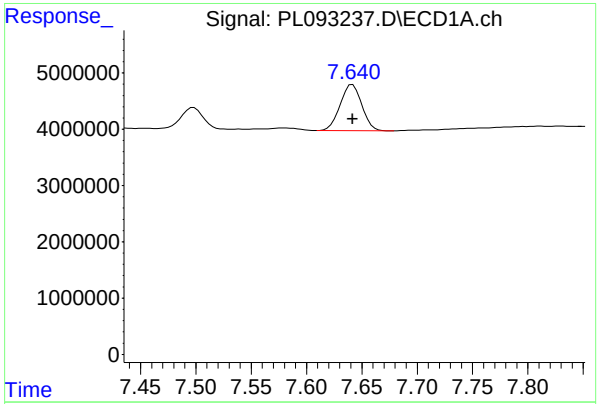
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 5042879
Conc: 4.83 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 6745446
Conc: 4.42 ng/ml



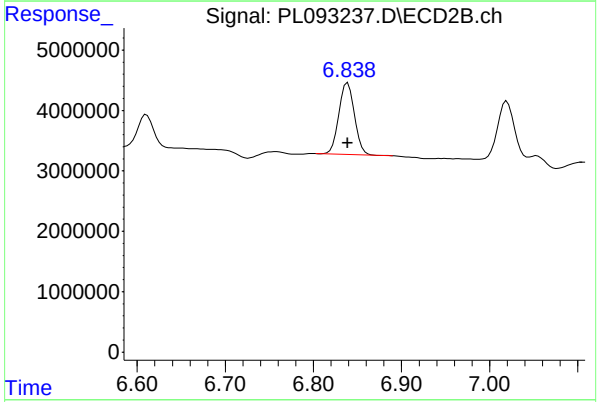
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 11220438
Conc: 4.94 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

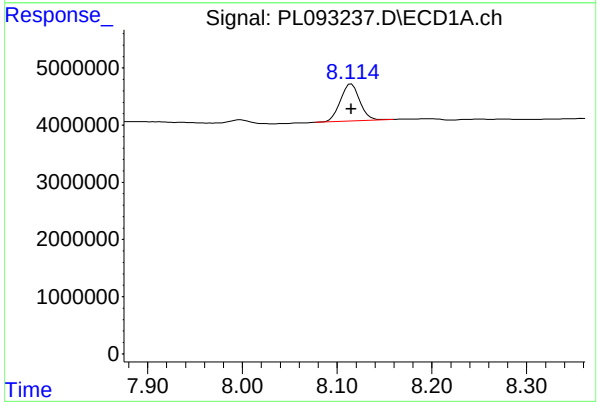
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



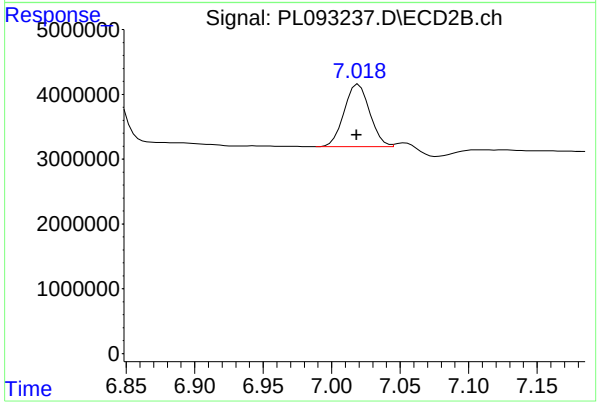
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 14522912
Conc: 4.33 ng/ml



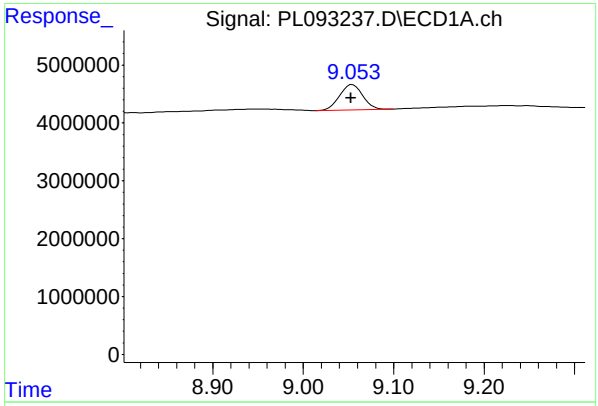
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 9273747
Conc: 5.13 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 12504313
Conc: 4.65 ng/ml m



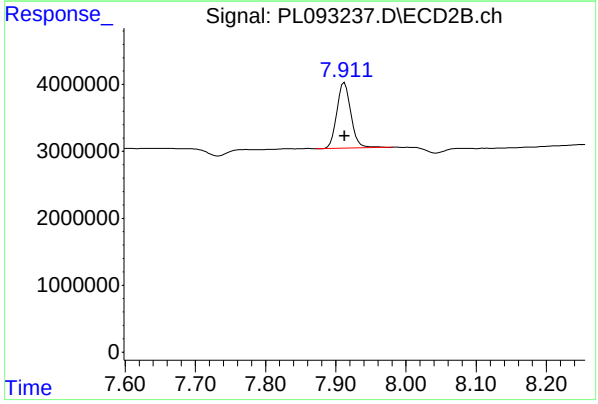
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 7864790
Conc: 4.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 13589966
Conc: 4.76 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 13:04
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: Nov 25 13:32:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:29:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.773	128.9E6	183.0E6	50.000	50.000
28)	SA Decachlor...	9.054	7.913	88765425	148.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.698	3.771	57486281	60379931	500.000	500.000
24)	Chlordane-2	5.228	4.348	58385552	69547609	500.000	500.000
25)	Chlordane-3	5.939	4.978	192.8E6	210.3E6	500.000	500.000
26)	Chlordane-4	6.020	5.041	233.8E6	206.9E6	500.000	500.000
27)	Chlordane-5	6.870	5.936	46611842	71378576	500.000	500.000

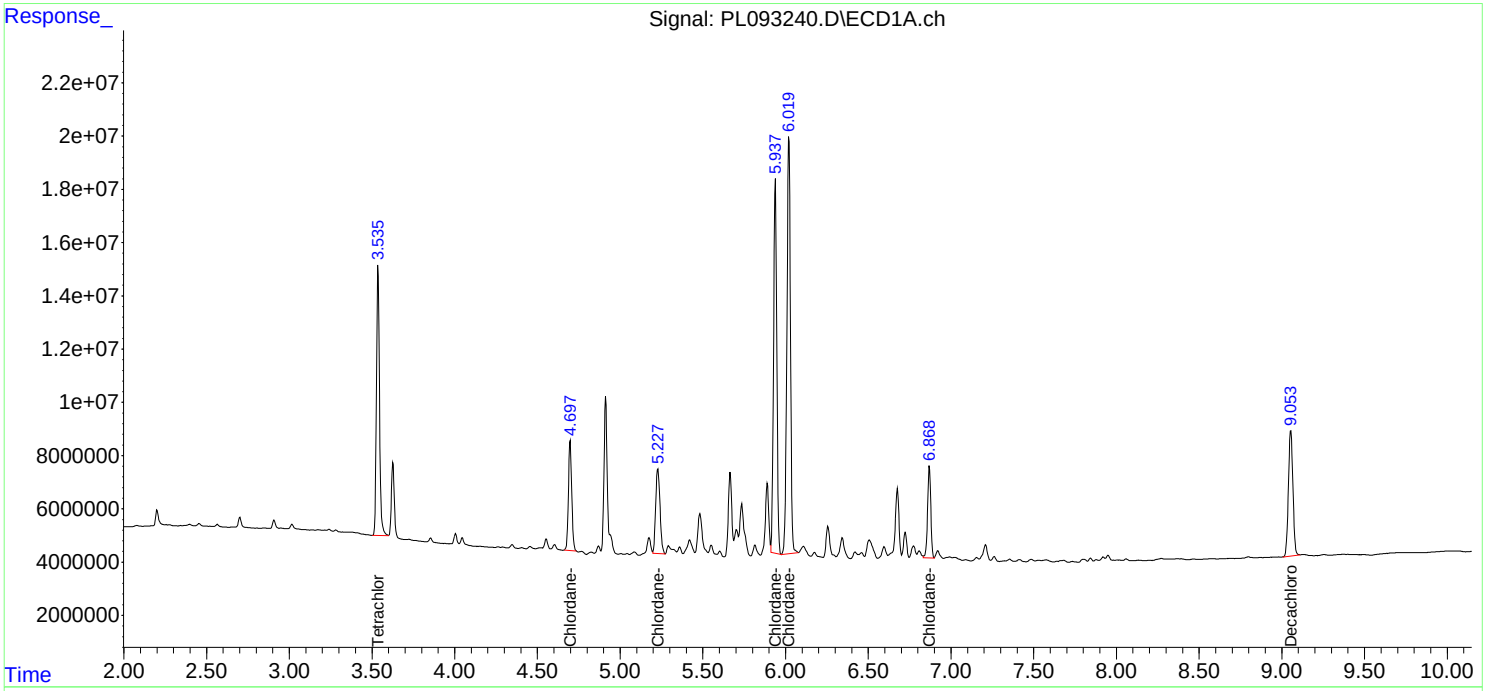
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

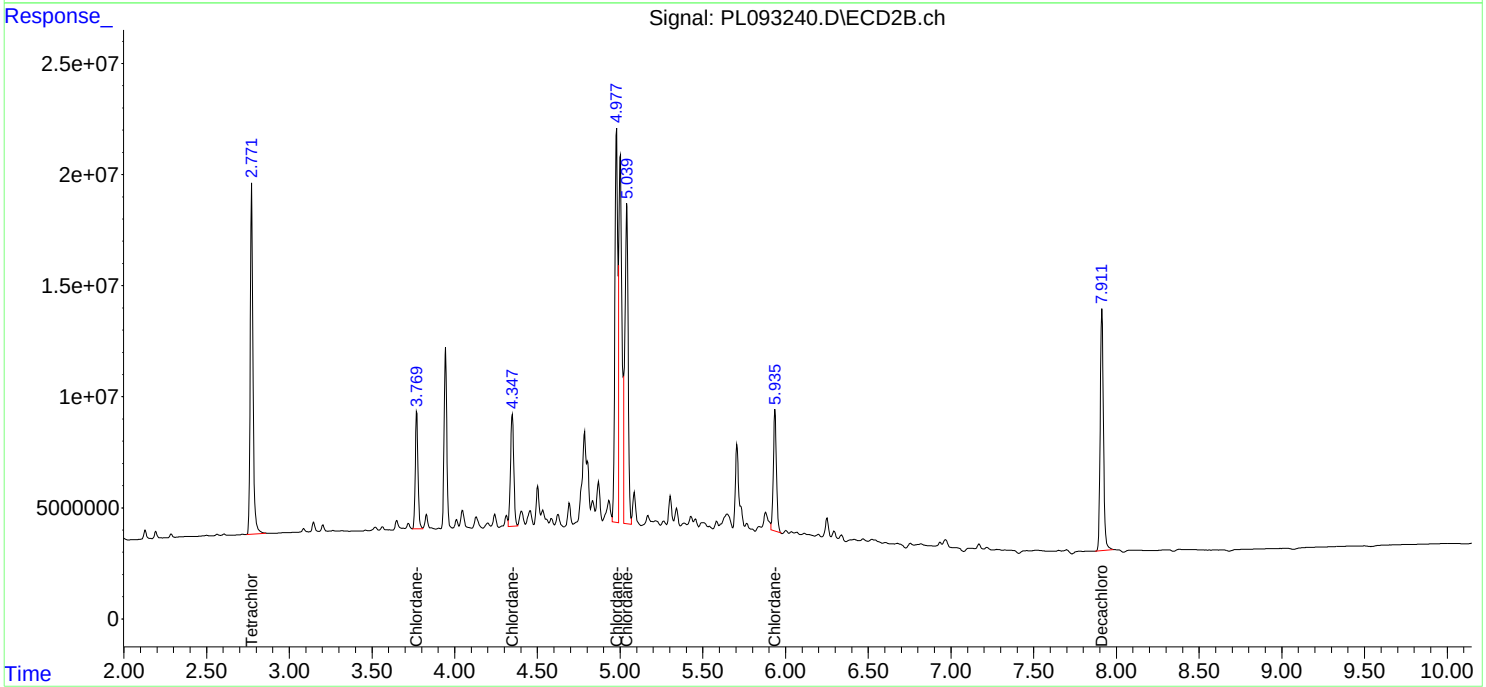
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 13:04
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

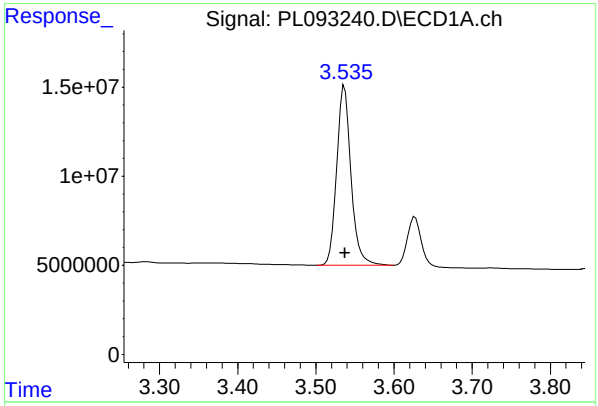
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:32:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:29:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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



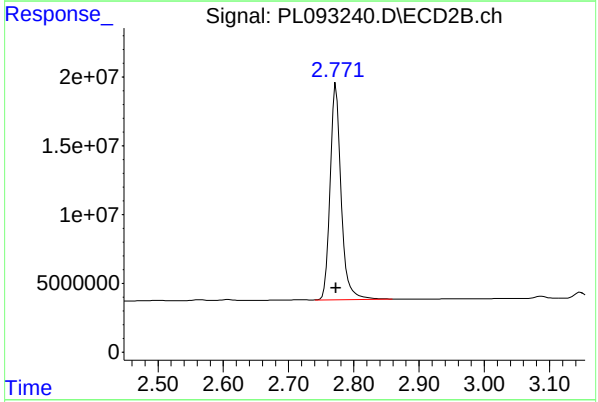




#1 Tetrachloro-m-xylene

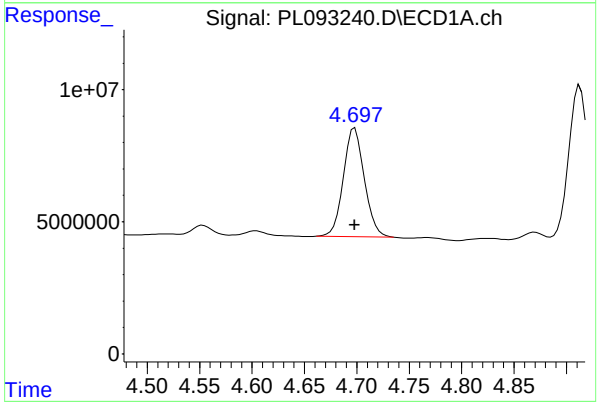
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 128943613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



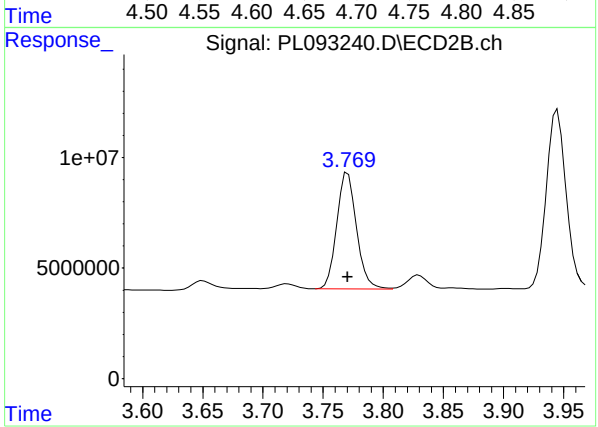
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 182978951
Conc: 50.00 ng/ml



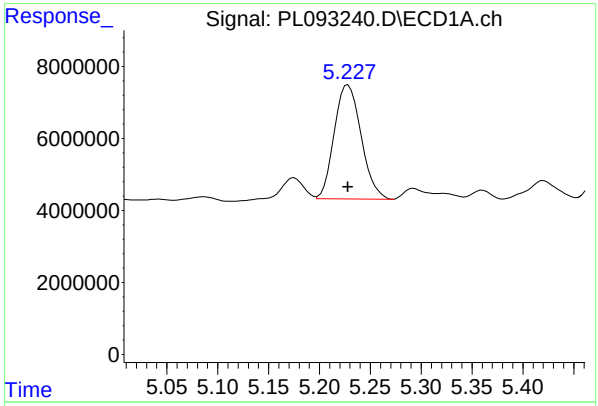
#23 Chlordane-1

R.T.: 4.698 min
Delta R.T.: 0.000 min
Response: 57486281
Conc: 500.00 ng/ml



#23 Chlordane-1

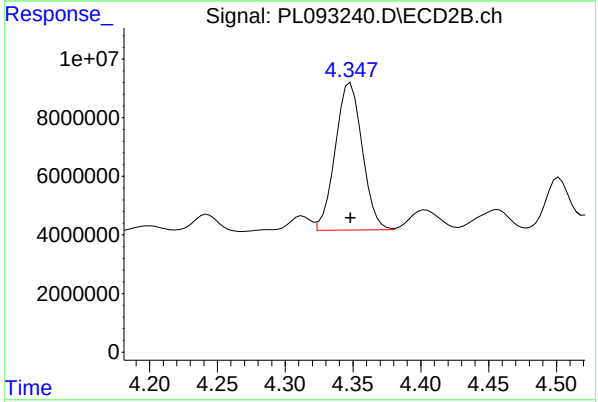
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 60379931
Conc: 500.00 ng/ml



#24 Chlordane-2

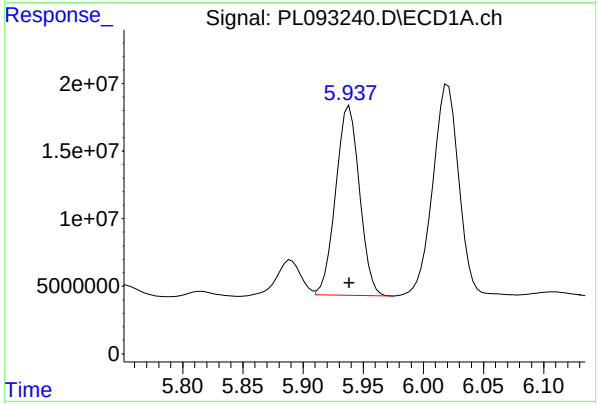
R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 58385552
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



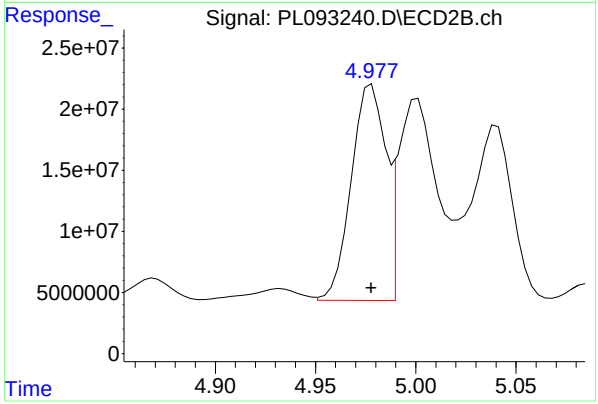
#24 Chlordane-2

R.T.: 4.348 min
Delta R.T.: 0.000 min
Response: 69547609
Conc: 500.00 ng/ml



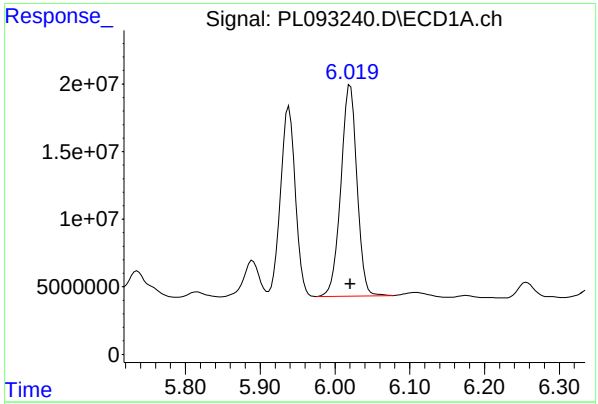
#25 Chlordane-3

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 192794347
Conc: 500.00 ng/ml



#25 Chlordane-3

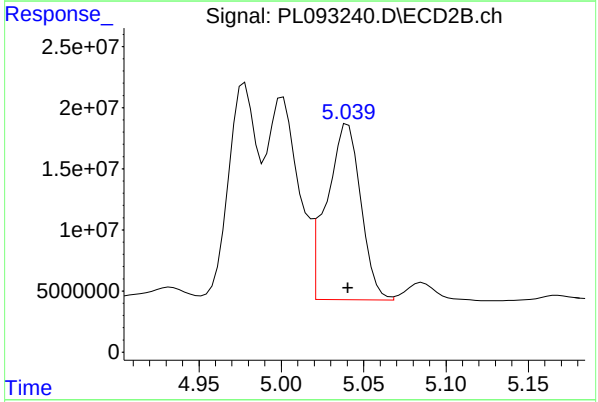
R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 210256359
Conc: 500.00 ng/ml



#26 Chlordane-4

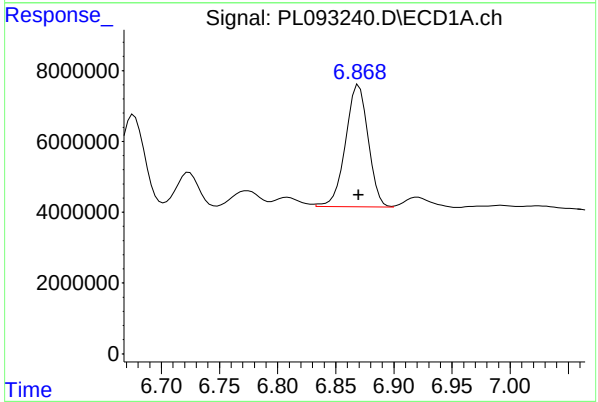
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 233780645
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



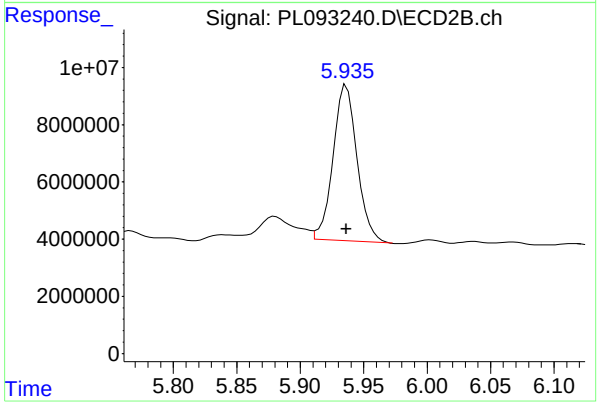
#26 Chlordane-4

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 206915350
Conc: 500.00 ng/ml



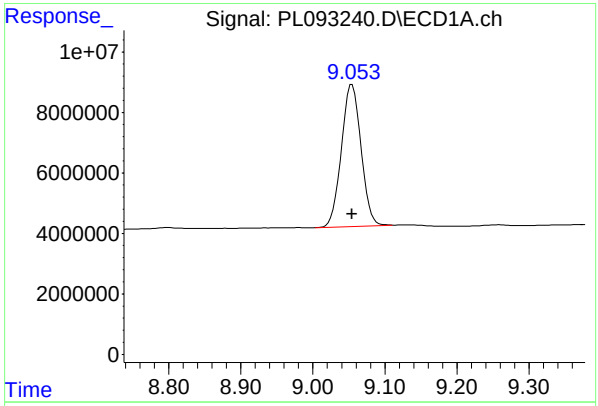
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 46611842
Conc: 500.00 ng/ml



#27 Chlordane-5

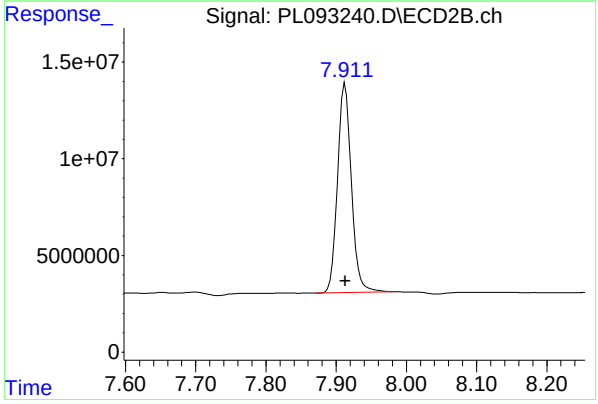
R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 71378576
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 88765425
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 148294519
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 14:11
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: Nov 25 14:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 14:51:03 2024
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...	3.536	2.773	128.4E6	147.3E6	50.000	50.000
7) SA	Decachlor...	9.054	7.912	90599547	147.8E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.234	5.002	12308632	10972167	500.000	500.000
3)	Toxaphene-2	6.438	5.327	7063895	11220994	500.000	500.000
4)	Toxaphene-3	7.056	5.686	38801303	12085952	500.000	500.000
5)	Toxaphene-4	7.148	6.600	28829059	37724703	500.000	500.000
6)	Toxaphene-5	7.932	7.041	21254992	36905670	500.000	500.000

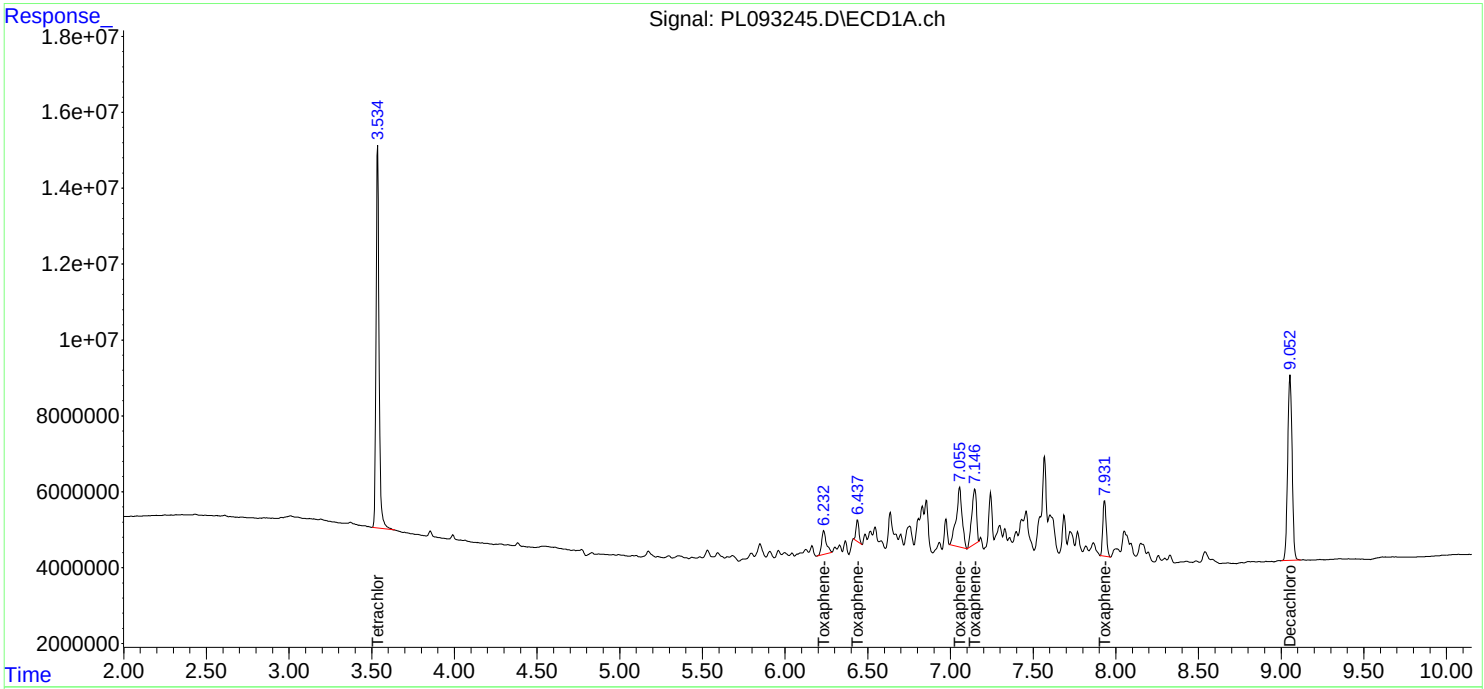
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

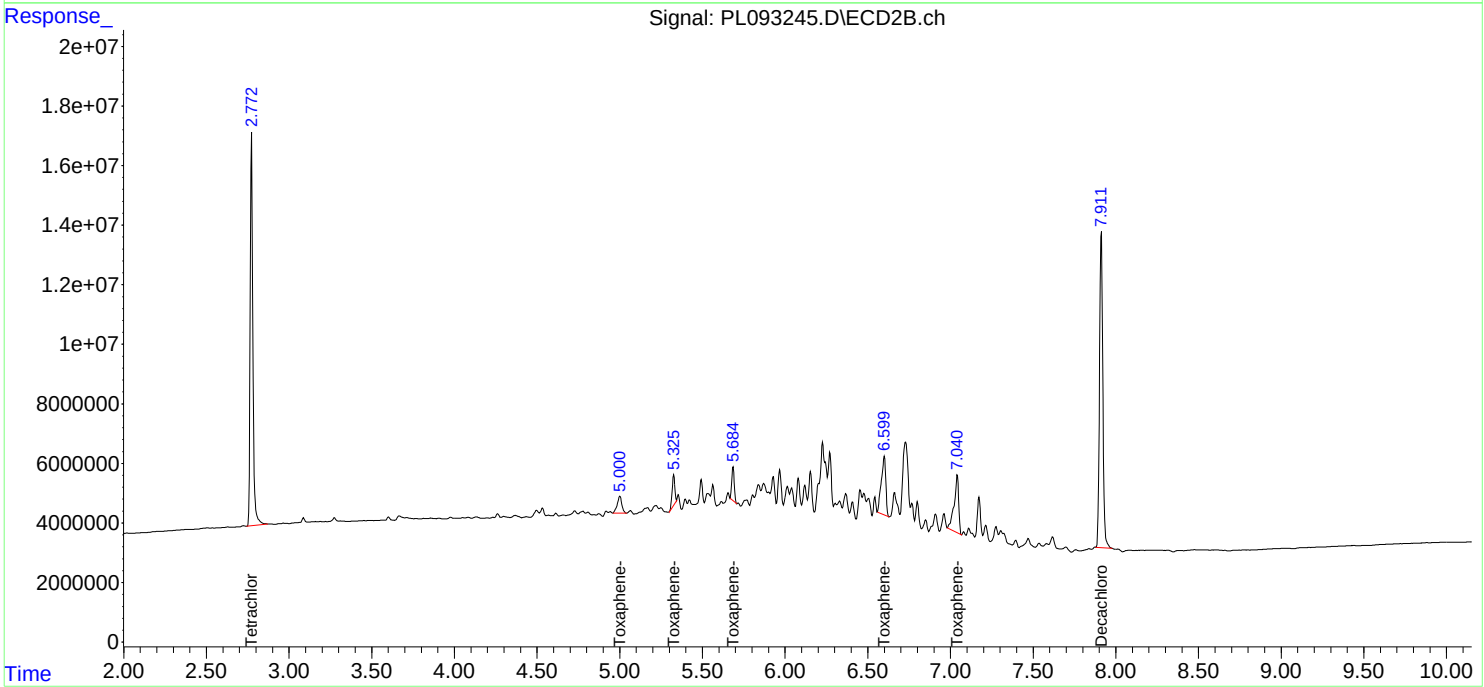
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093245.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 14:11
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

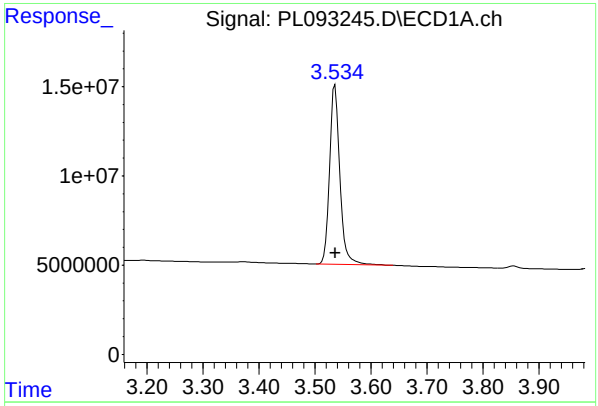
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:52:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 14:51:03 2024
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



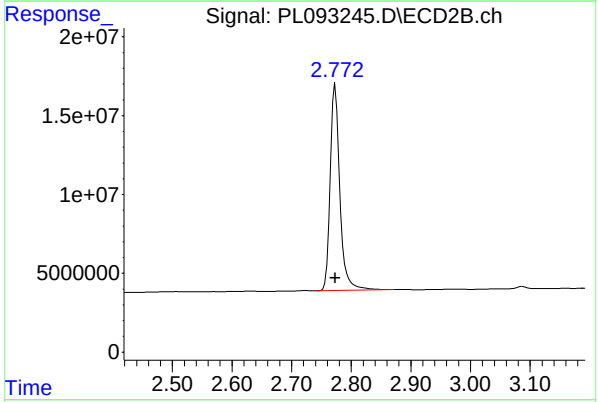




#1 Tetrachloro-m-xylene

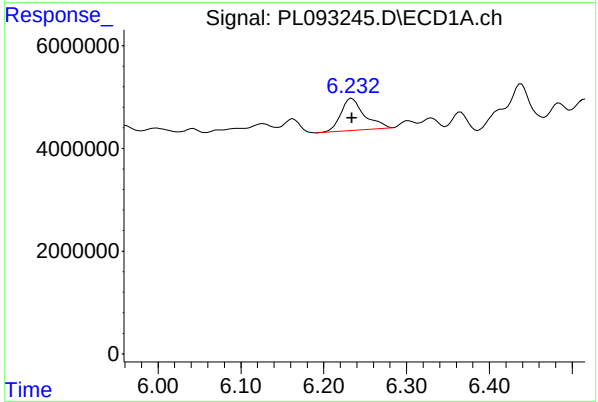
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 128400563
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



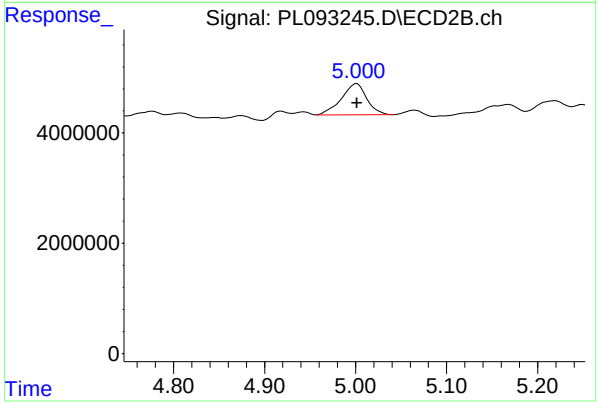
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 147349460
Conc: 50.00 ng/ml



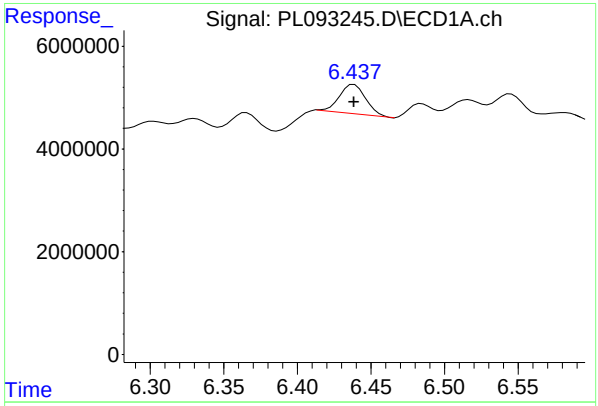
#2 Toxaphene-1

R.T.: 6.234 min
Delta R.T.: 0.000 min
Response: 12308632
Conc: 500.00 ng/ml



#2 Toxaphene-1

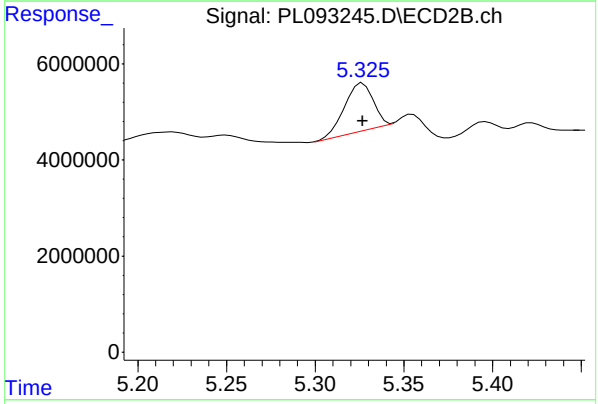
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 10972167
Conc: 500.00 ng/ml



#3 Toxaphene-2

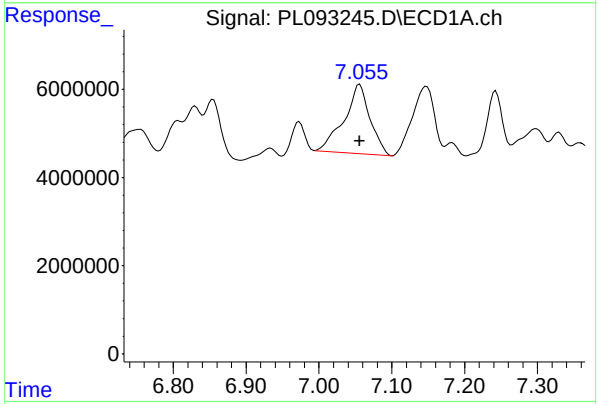
R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 7063895
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



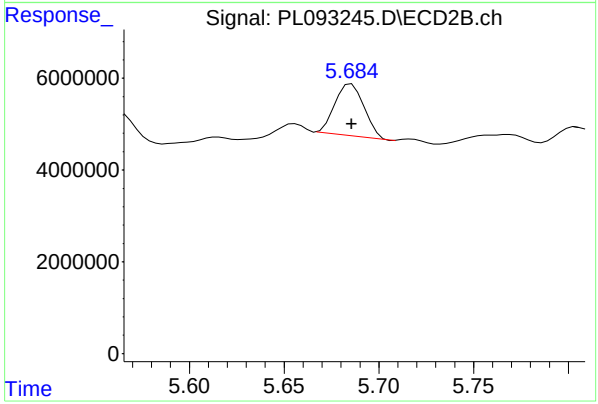
#3 Toxaphene-2

R.T.: 5.327 min
Delta R.T.: 0.000 min
Response: 11220994
Conc: 500.00 ng/ml



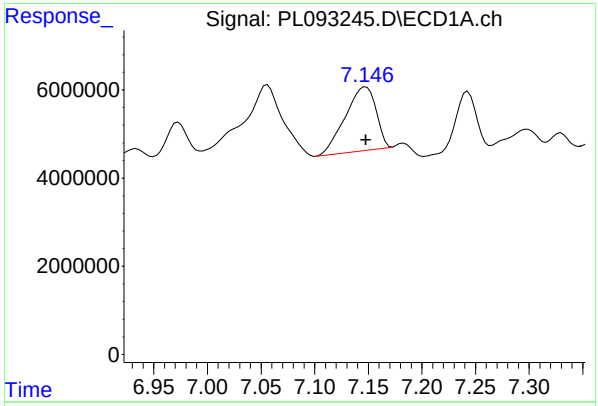
#4 Toxaphene-3

R.T.: 7.056 min
Delta R.T.: 0.000 min
Response: 38801303
Conc: 500.00 ng/ml



#4 Toxaphene-3

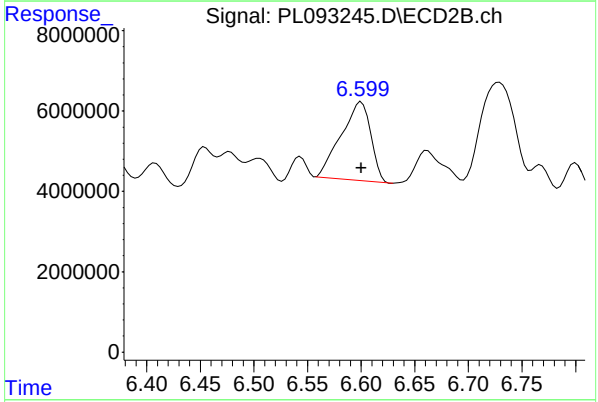
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 12085952
Conc: 500.00 ng/ml



#5 Toxaphene-4

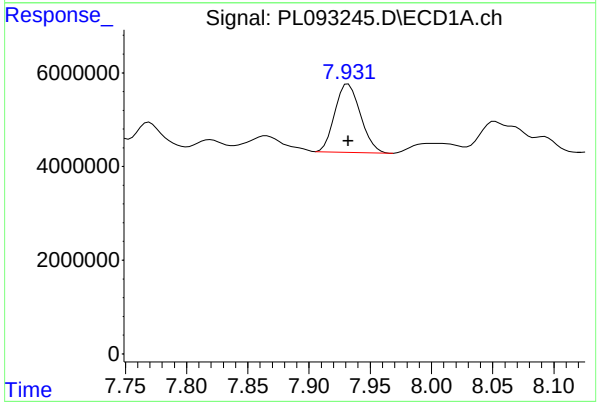
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 28829059
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



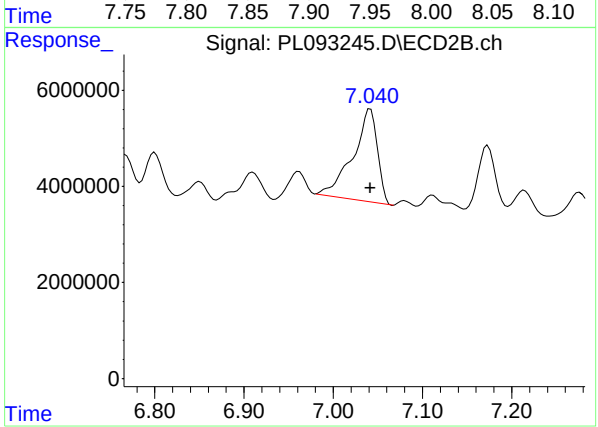
#5 Toxaphene-4

R.T.: 6.600 min
Delta R.T.: 0.000 min
Response: 37724703
Conc: 500.00 ng/ml



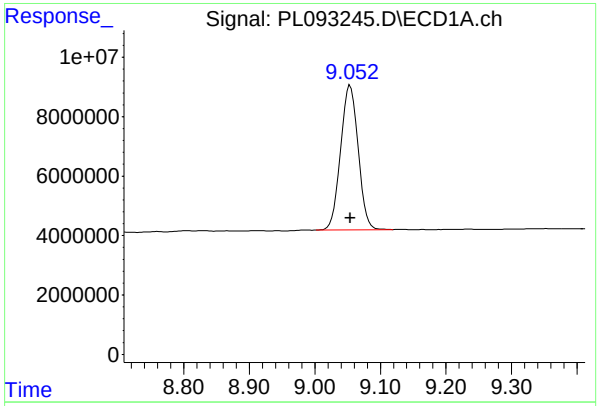
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 21254992
Conc: 500.00 ng/ml



#6 Toxaphene-5

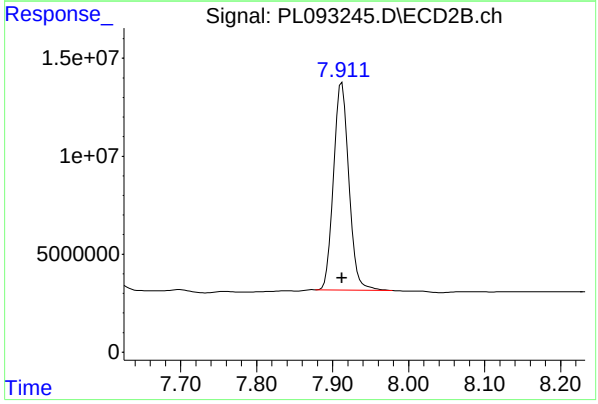
R.T.: 7.041 min
Delta R.T.: 0.000 min
Response: 36905670
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 90599547
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 147776947
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 14:50
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : ICVPL112524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 15:00:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.773	129.3E6	147.5E6	49.763	51.136
28)	SA Decachlor...	9.053	7.912	92002968	150.0E6	52.920	52.524
	Target Compounds						
2)	A alpha-BHC	3.992	3.276	178.3E6	222.2E6	49.976	52.035
3)	MA gamma-BHC...	4.324	3.606	168.9E6	216.0E6	50.003	52.174
4)	MA Heptachlor	4.913	3.945	151.3E6	209.9E6	49.514	51.877
5)	MB Aldrin	5.255	4.225	148.8E6	207.2E6	49.492	52.077
6)	B beta-BHC	4.522	3.906	73986981	90112105	49.007	50.657
7)	B delta-BHC	4.769	4.135	161.3E6	218.4E6	48.742	51.189
8)	B Heptachlo...	5.681	4.727	135.3E6	189.4E6	48.718	51.996
9)	A Endosulfan I	6.066	5.097	121.9E6	173.9E6	50.085	52.023
10)	B gamma-Chl...	5.937	4.977	129.1E6	190.9E6	50.103	51.533
11)	B alpha-Chl...	6.016	5.041	129.5E6	188.9E6	49.983	52.032
12)	B 4,4'-DDE	6.190	5.230	118.1E6	185.7E6	50.486	51.873
13)	MA Dieldrin	6.342	5.361	129.6E6	191.0E6	50.574	51.815
14)	MA Endrin	6.572	5.637	105.4E6	160.2E6	50.269	50.217
15)	B Endosulfa...	6.792	5.932	111.6E6	163.8E6	51.170	51.679
16)	A 4,4'-DDD	6.708	5.785	94333249	147.1E6	51.484	52.455
17)	MA 4,4'-DDT	7.021	6.035	99251505	154.2E6	51.483	52.047
18)	B Endrin al...	6.922	6.111	91865346	136.1E6	50.849	51.905
19)	B Endosulfa...	7.157	6.334	104.3E6	156.2E6	50.336	51.391
20)	A Methoxychlor	7.498	6.611	53894107	80802596	51.579	52.918
21)	B Endrin ke...	7.642	6.840	118.0E6	182.1E6	51.995	54.233
22)	Mirex	8.115	7.020	92348459	141.0E6	51.127	52.488

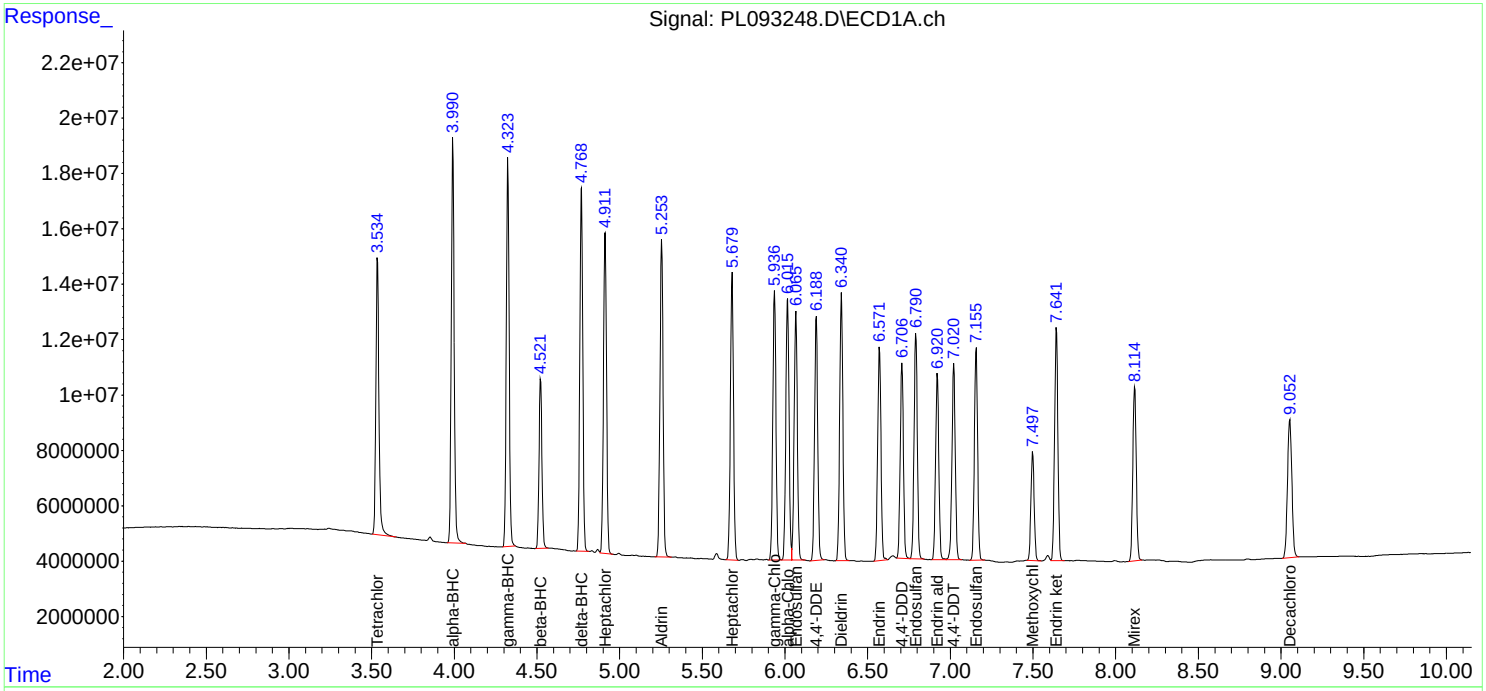
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

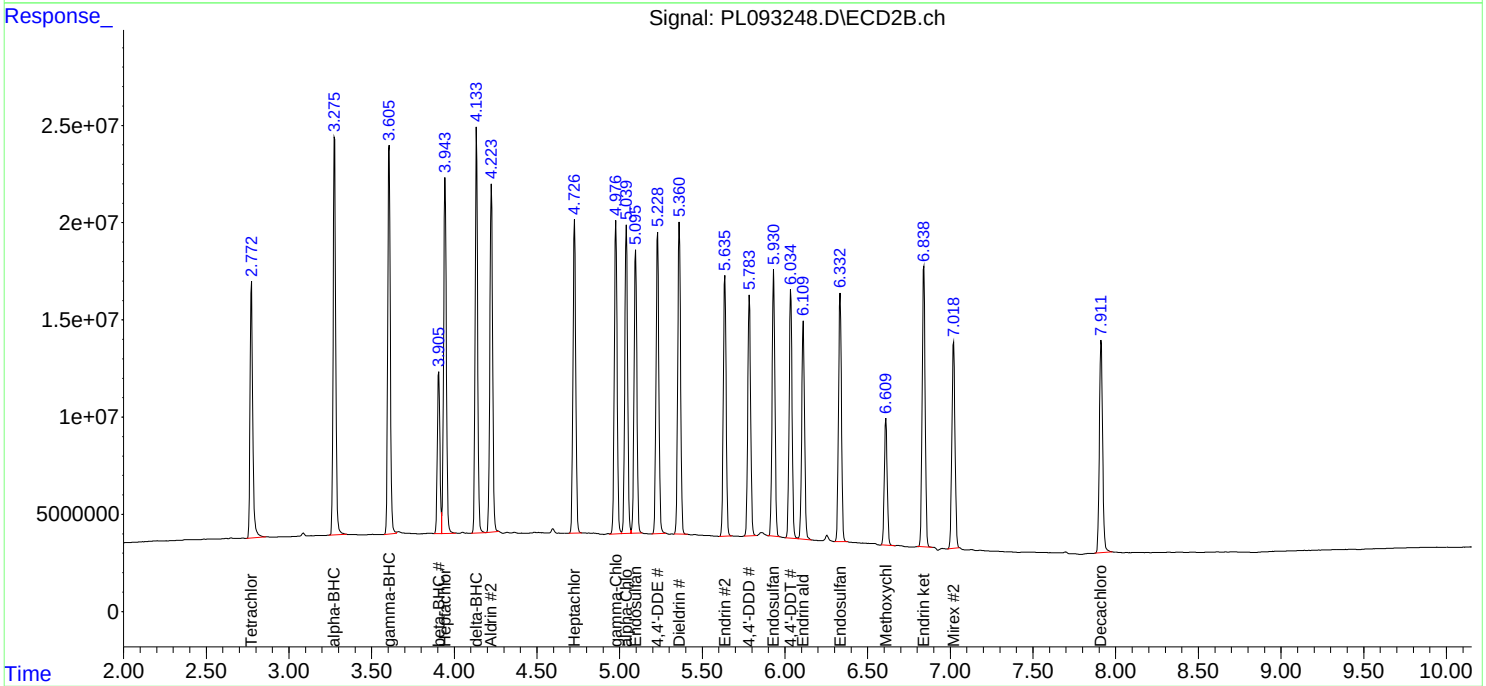
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 14:50
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

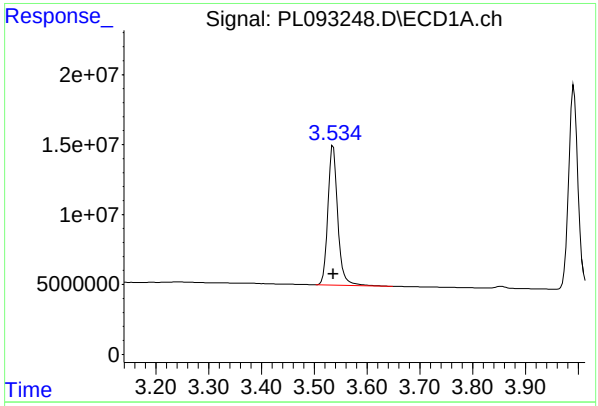
Instrument :
ECD_L
ClientSampleId :
ICVPL112524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 15:00:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



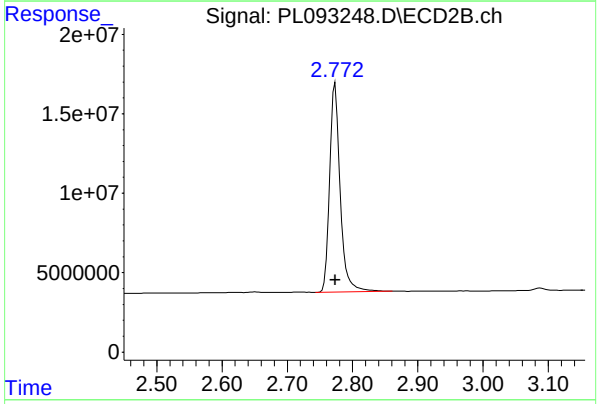




#1 Tetrachloro-m-xylene

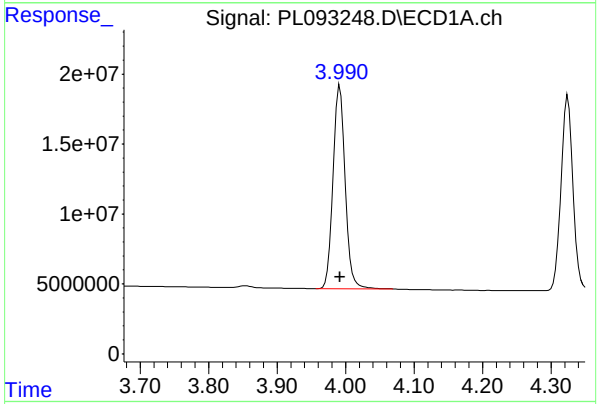
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 129333161
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



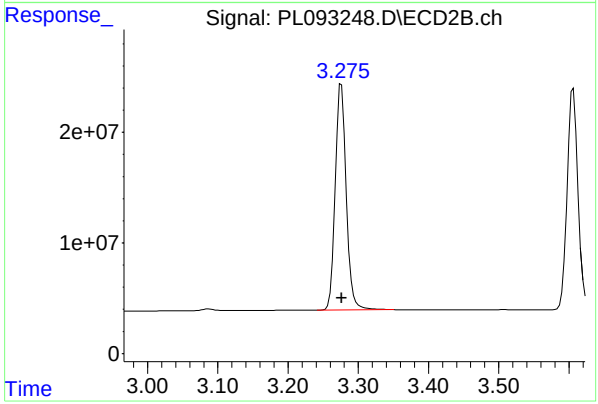
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 147476604
Conc: 51.14 ng/ml



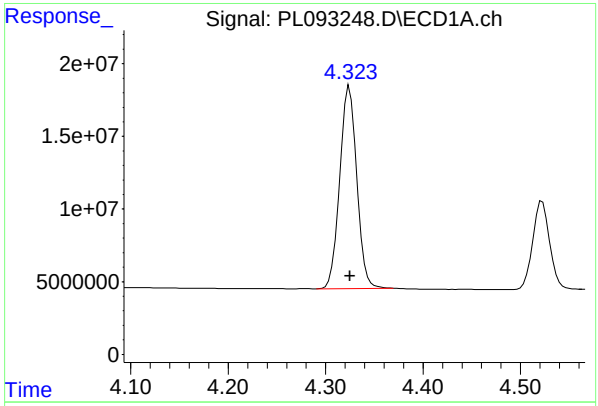
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 178334664
Conc: 49.98 ng/ml



#2 alpha-BHC

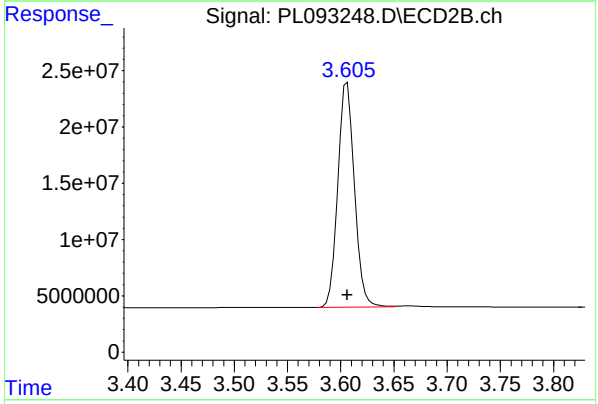
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 222158227
Conc: 52.03 ng/ml



#3 gamma-BHC (Lindane)

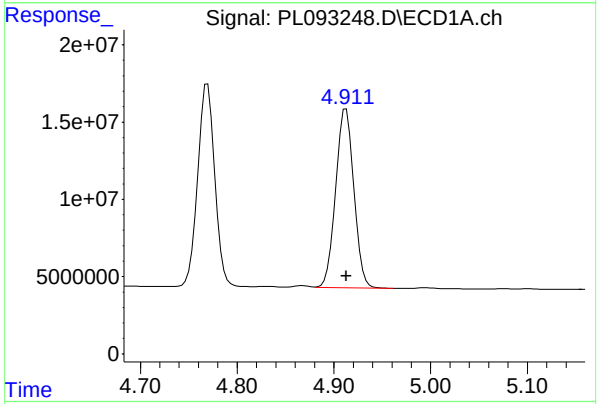
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 168944096
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



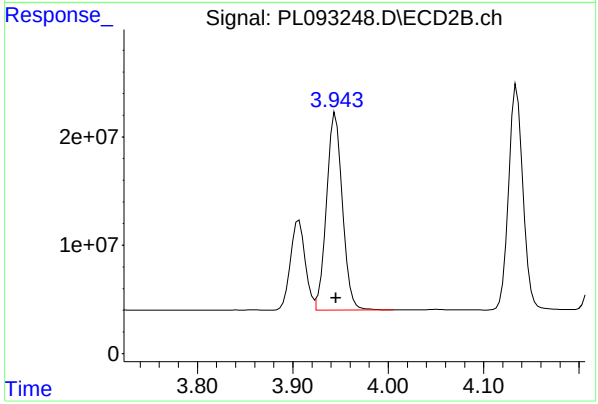
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 215987138
Conc: 52.17 ng/ml



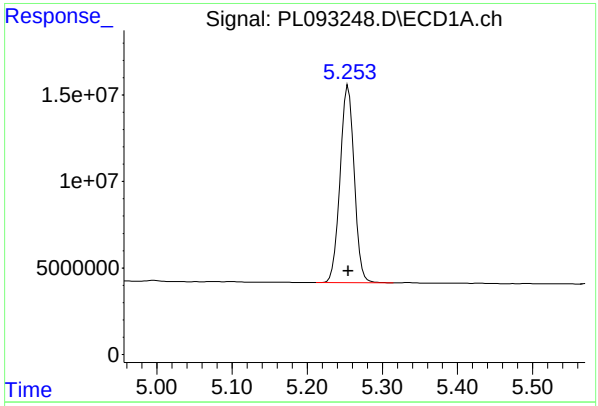
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.000 min
Response: 151321032
Conc: 49.51 ng/ml



#4 Heptachlor

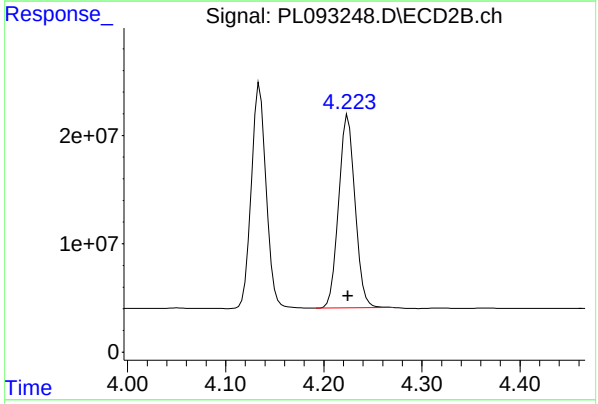
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 209871859
Conc: 51.88 ng/ml



#5 Aldrin

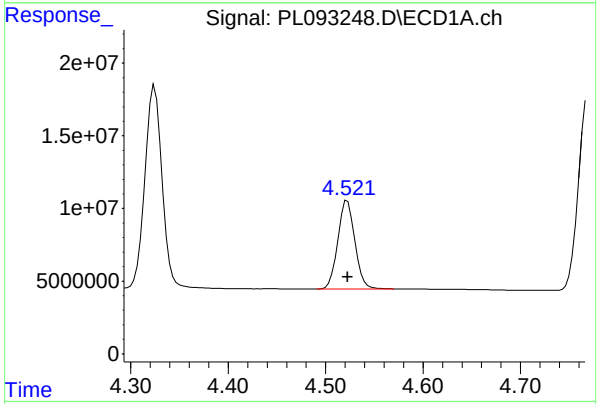
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 148830179
Conc: 49.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



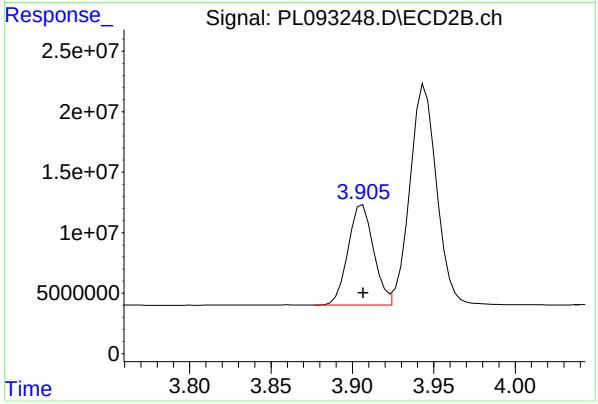
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 207205119
Conc: 52.08 ng/ml



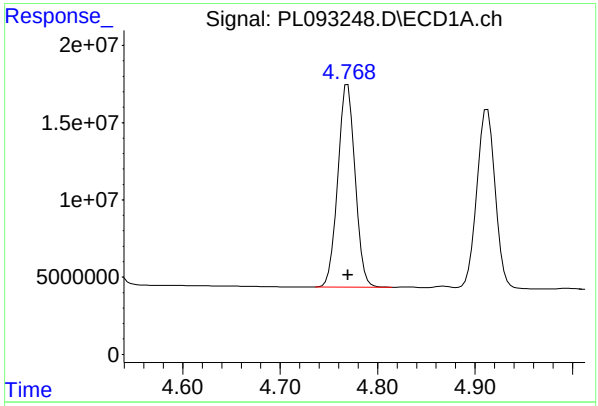
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 73986981
Conc: 49.01 ng/ml



#6 beta-BHC

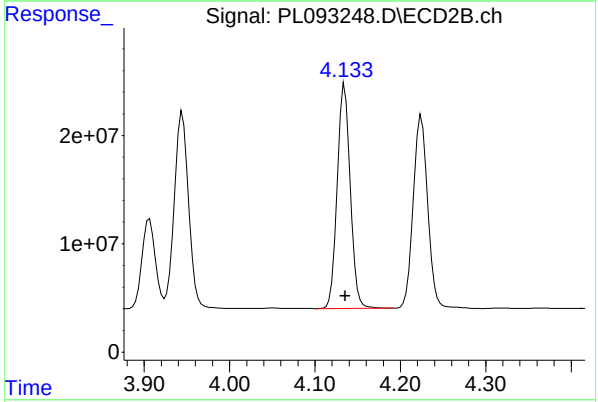
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 90112105
Conc: 50.66 ng/ml



#7 delta-BHC

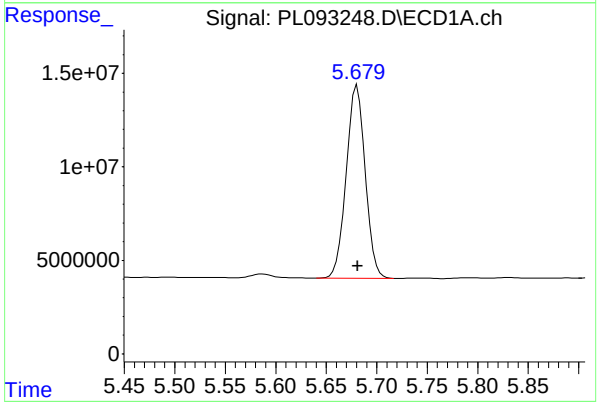
R.T.: 4.769 min
Delta R.T.: 0.000 min
Response: 161267221
Conc: 48.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



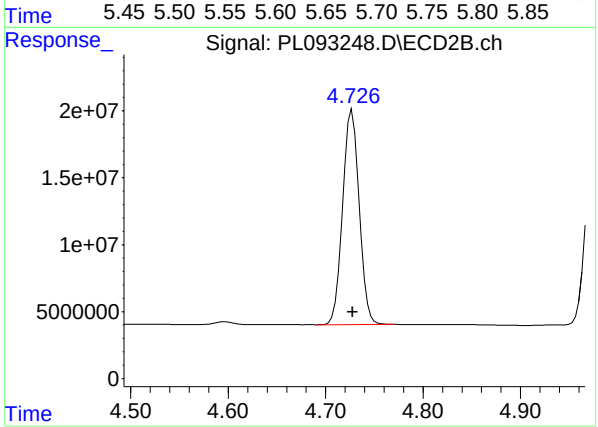
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 218396565
Conc: 51.19 ng/ml



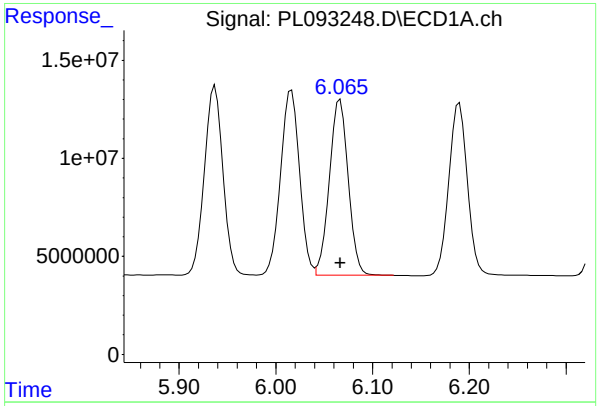
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 135276013
Conc: 48.72 ng/ml



#8 Heptachlor epoxide

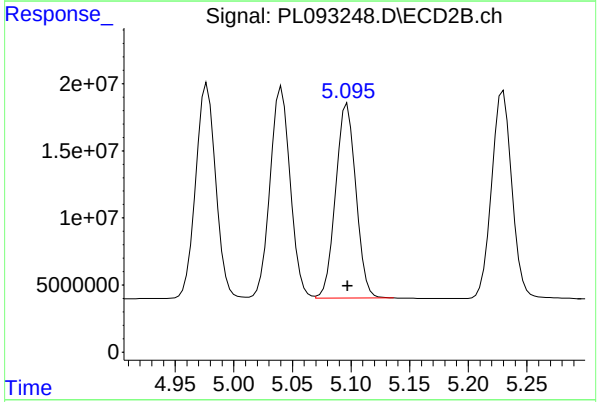
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 189380456
Conc: 52.00 ng/ml



#9 Endosulfan I

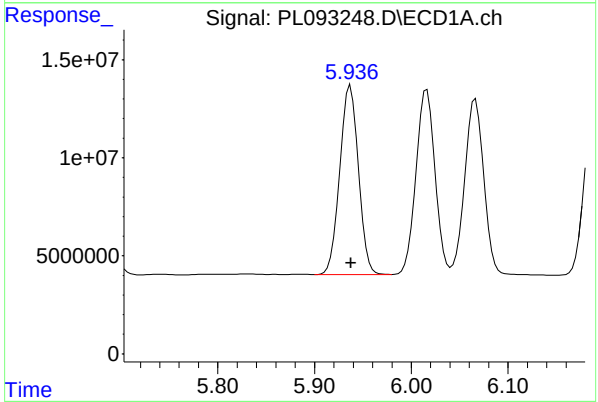
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 121916749
Conc: 50.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



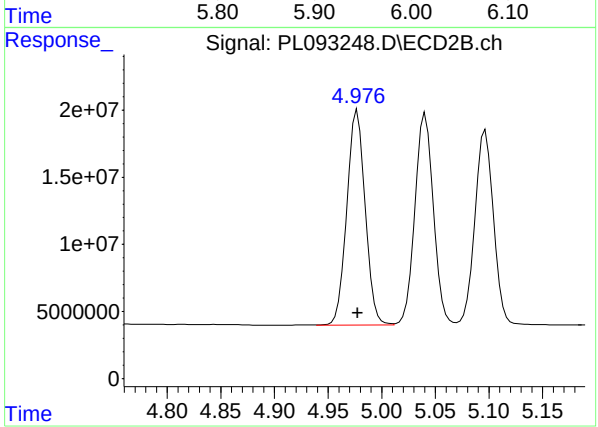
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 173912477
Conc: 52.02 ng/ml



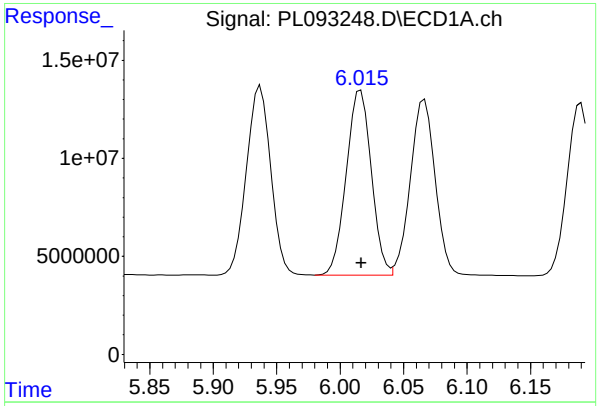
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 129083228
Conc: 50.10 ng/ml



#10 gamma-Chlordane

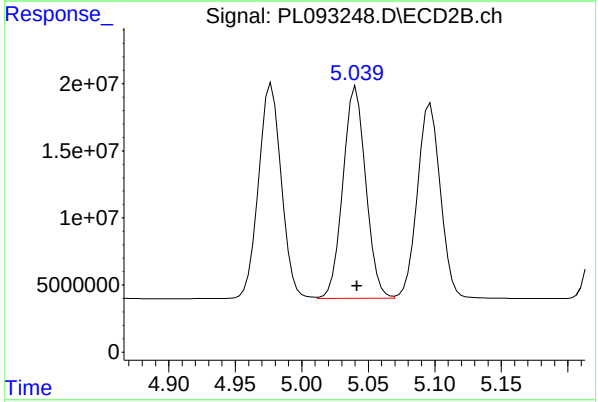
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 190937212
Conc: 51.53 ng/ml



#11 alpha-Chlordane

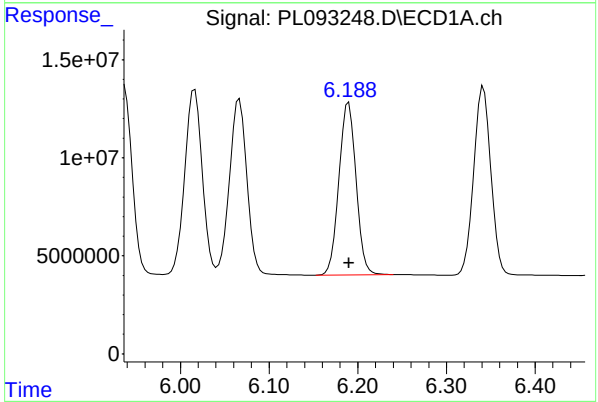
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 129508511
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



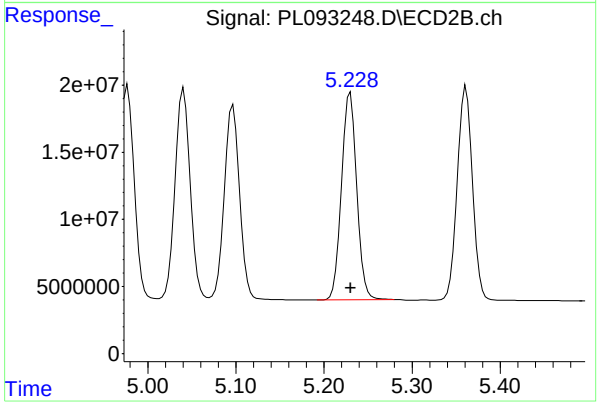
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 188888063
Conc: 52.03 ng/ml



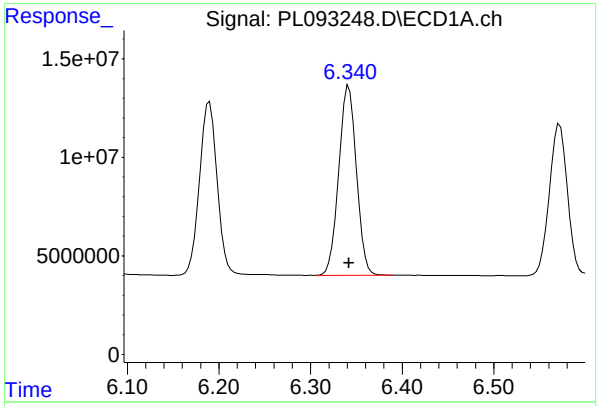
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 118102561
Conc: 50.49 ng/ml



#12 4,4'-DDE

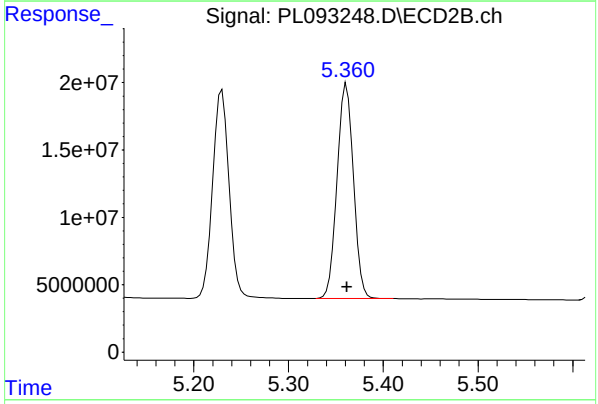
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 185708042
Conc: 51.87 ng/ml



#13 Dieldrin

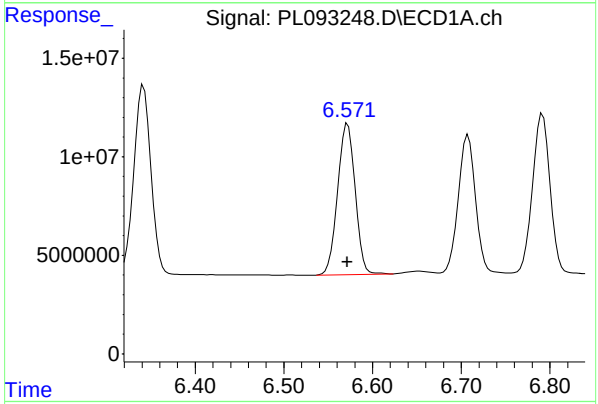
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 129628742
Conc: 50.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



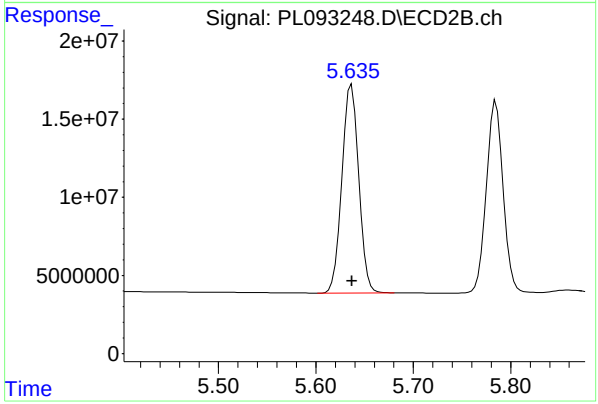
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 190963140
Conc: 51.81 ng/ml



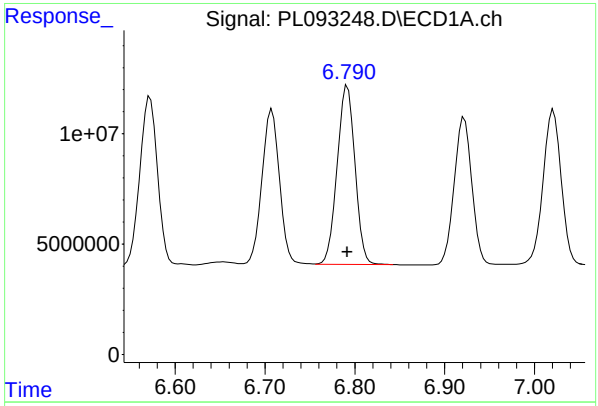
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 105438224
Conc: 50.27 ng/ml



#14 Endrin

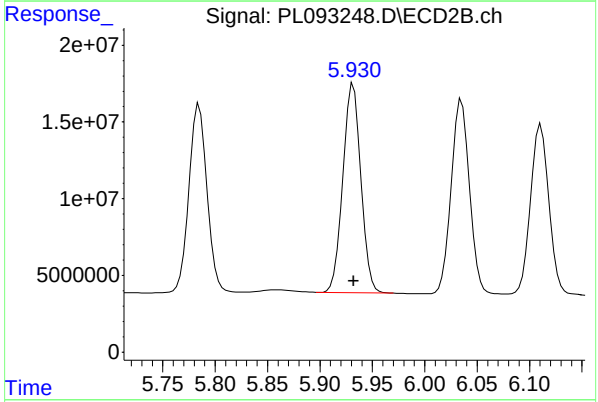
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 160156178
Conc: 50.22 ng/ml



#15 Endosulfan II

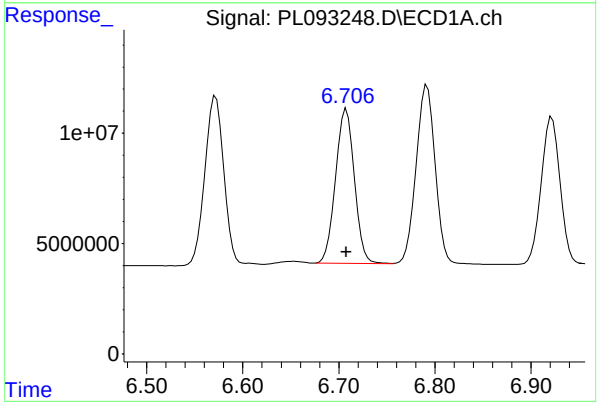
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 111575429
Conc: 51.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



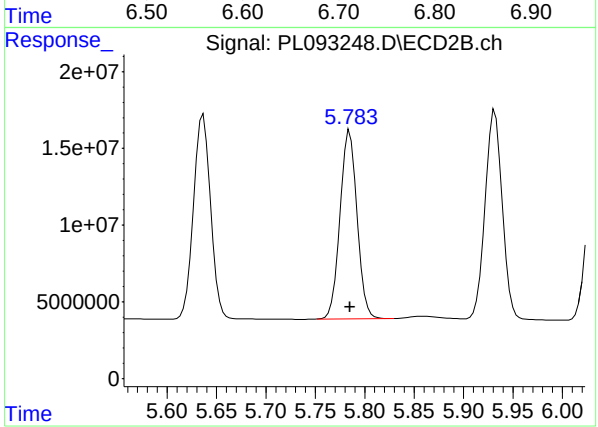
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 163770875
Conc: 51.68 ng/ml



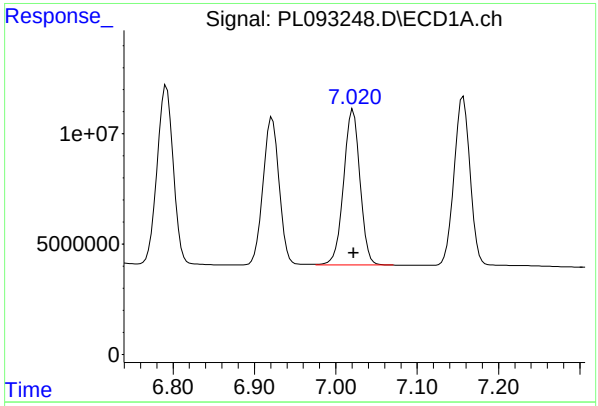
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 94333249
Conc: 51.48 ng/ml



#16 4,4'-DDD

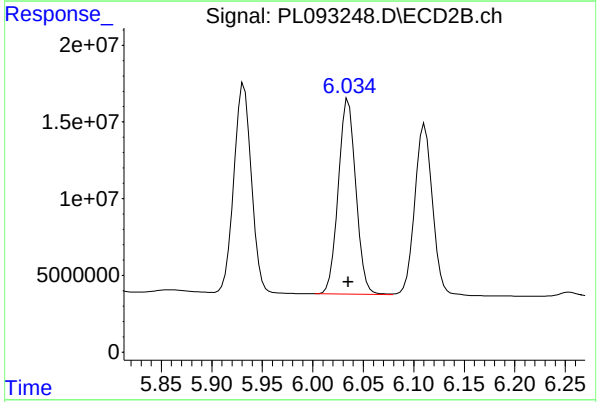
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 147054513
Conc: 52.46 ng/ml



#17 4,4'-DDT

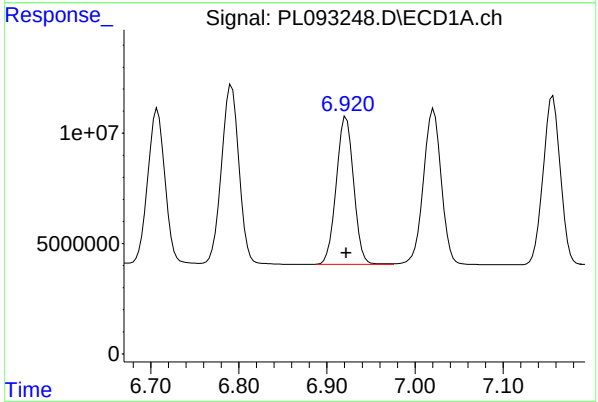
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 99251505
Conc: 51.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



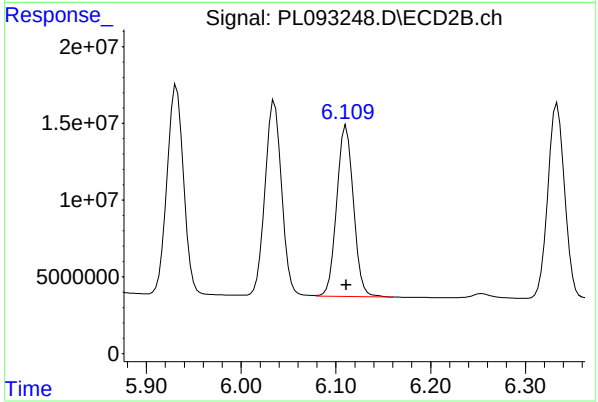
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 154151954
Conc: 52.05 ng/ml



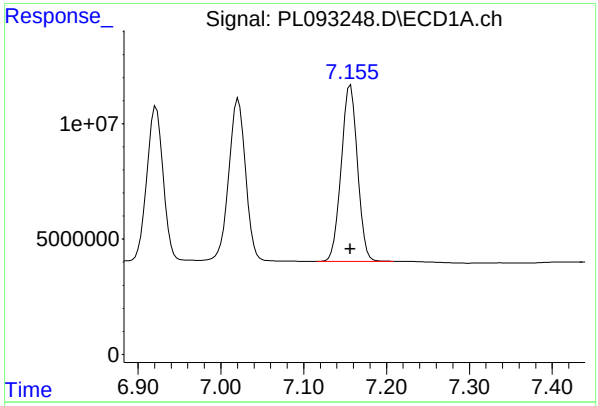
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 91865346
Conc: 50.85 ng/ml



#18 Endrin aldehyde

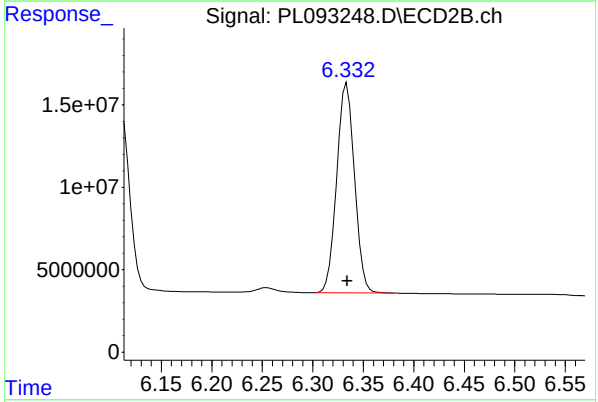
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 136113340
Conc: 51.91 ng/ml



#19 Endosulfan Sulfate

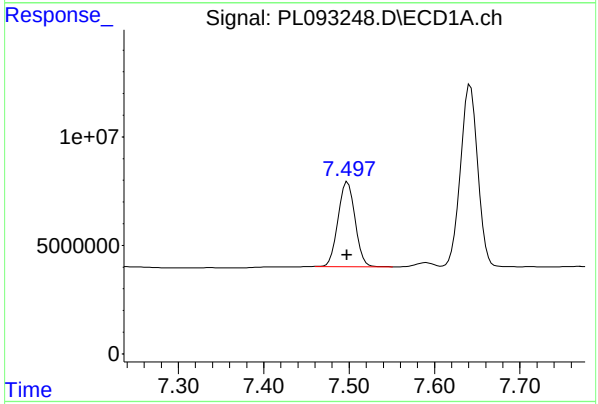
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 104330240
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



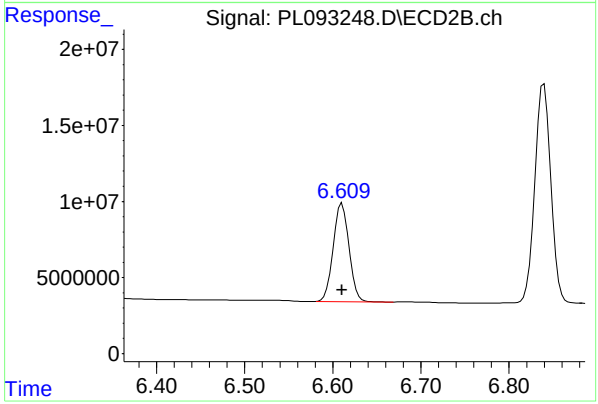
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 156211042
Conc: 51.39 ng/ml



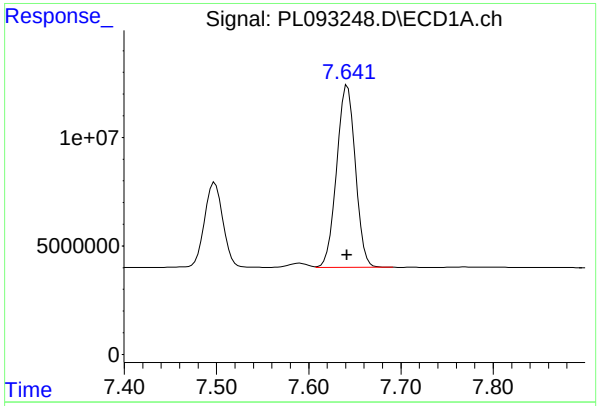
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 53894107
Conc: 51.58 ng/ml



#20 Methoxychlor

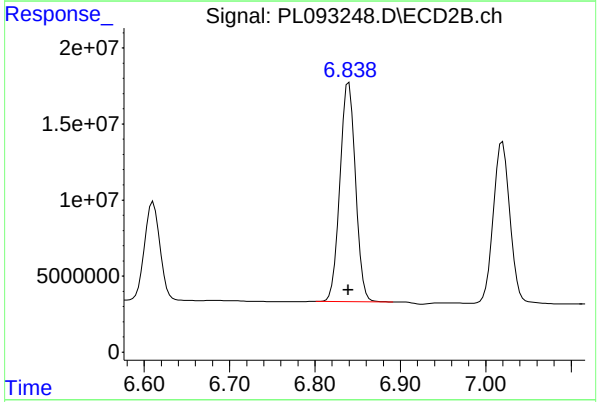
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 80802596
Conc: 52.92 ng/ml



#21 Endrin ketone

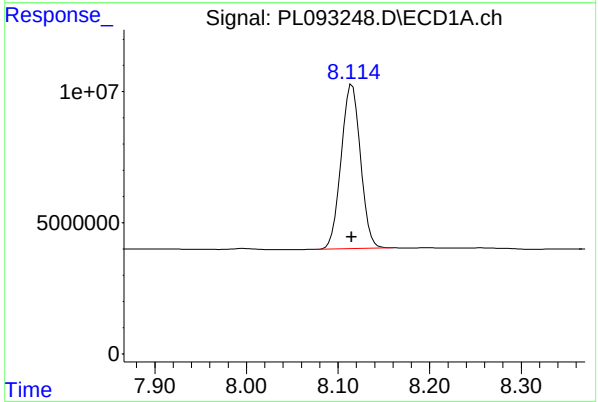
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 117989068
Conc: 51.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



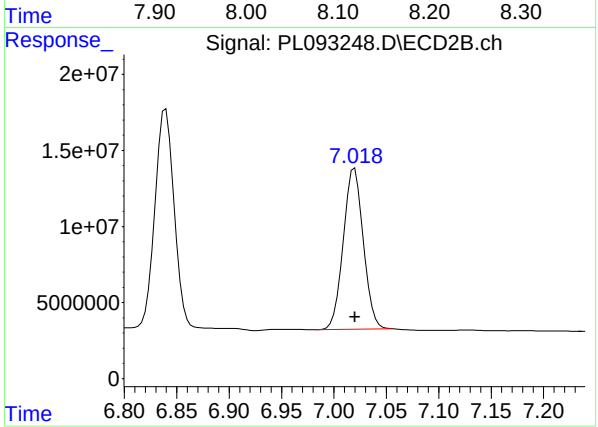
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 182059667
Conc: 54.23 ng/ml



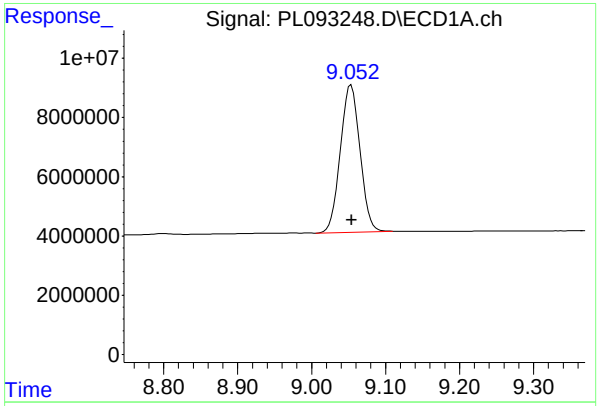
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 92348459
Conc: 51.13 ng/ml



#22 Mirex

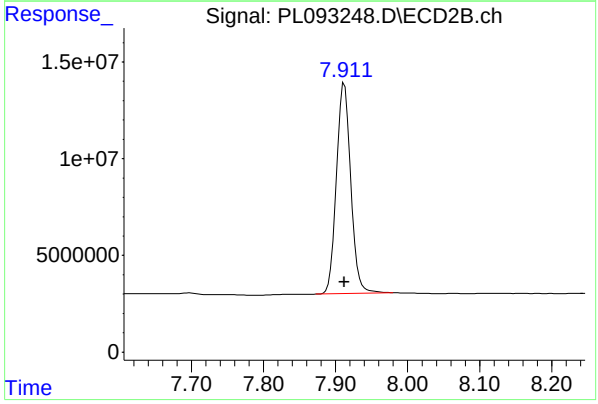
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 141010710
Conc: 52.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 92002968
Conc: 52.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL112524



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 150032454
Conc: 52.52 ng/ml

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 14:24 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-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	0.00
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	0.00
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	0.00
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

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 14:24 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.77	2.67	2.87	-0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.33	6.23	6.43	-0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093415.D **Time Analyzed:** 14:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.608	6.808	54.320	50.000	8.6
4,4'-DDE	6.195	6.090	6.290	52.890	50.000	5.8
4,4'-DDT	7.026	6.922	7.122	54.440	50.000	8.9
Aldrin	5.259	5.155	5.355	52.760	50.000	5.5
alpha-BHC	3.997	3.892	4.092	54.060	50.000	8.1
alpha-Chlordane	6.021	5.916	6.116	52.540	50.000	5.1
beta-BHC	4.527	4.423	4.623	52.320	50.000	4.6
Decachlorobiphenyl	9.058	8.954	9.154	57.880	50.000	15.8
delta-BHC	4.774	4.670	4.870	52.050	50.000	4.1
Dieldrin	6.347	6.242	6.442	52.610	50.000	5.2
Endosulfan I	6.071	5.967	6.167	52.440	50.000	4.9
Endosulfan II	6.796	6.692	6.892	53.100	50.000	6.2
Endosulfan sulfate	7.161	7.056	7.256	53.010	50.000	6.0
Endrin	6.575	6.472	6.672	55.380	50.000	10.8
Endrin aldehyde	6.926	6.822	7.022	52.840	50.000	5.7
Endrin ketone	7.646	7.542	7.742	54.290	50.000	8.6
gamma-BHC (Lindane)	4.329	4.225	4.425	53.920	50.000	7.8
gamma-Chlordane	5.942	5.838	6.038	52.710	50.000	5.4
Heptachlor	4.918	4.813	5.013	52.780	50.000	5.6
Heptachlor epoxide	5.685	5.581	5.781	51.950	50.000	3.9
Methoxychlor	7.502	7.398	7.598	55.360	50.000	10.7
Tetrachloro-m-xylene	3.541	3.436	3.636	53.140	50.000	6.3

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093415.D **Time Analyzed:** 14:24

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.787	5.685	5.885	56.990	50.000	14.0
4,4'-DDE	5.232	5.130	5.330	56.250	50.000	12.5
4,4'-DDT	6.037	5.935	6.135	57.720	50.000	15.4
Aldrin	4.227	4.125	4.325	56.670	50.000	13.3
alpha-BHC	3.279	3.176	3.376	56.990	50.000	14.0
alpha-Chlordane	5.043	4.941	5.141	56.400	50.000	12.8
beta-BHC	3.909	3.807	4.007	55.080	50.000	10.2
Decachlorobiphenyl	7.914	7.812	8.012	57.470	50.000	14.9
delta-BHC	4.138	4.035	4.235	55.650	50.000	11.3
Dieldrin	5.364	5.262	5.462	56.950	50.000	13.9
Endosulfan I	5.099	4.997	5.197	50.910	50.000	1.8
Endosulfan II	5.934	5.832	6.032	57.220	50.000	14.4
Endosulfan sulfate	6.337	6.234	6.434	56.230	50.000	12.5
Endrin	5.639	5.537	5.737	58.340	50.000	16.7
Endrin aldehyde	6.113	6.011	6.211	55.050	50.000	10.1
Endrin ketone	6.842	6.739	6.939	58.090	50.000	16.2
gamma-BHC (Lindane)	3.609	3.506	3.706	57.010	50.000	14.0
gamma-Chlordane	4.980	4.878	5.078	56.110	50.000	12.2
Heptachlor	3.947	3.845	4.045	56.740	50.000	13.5
Heptachlor epoxide	4.730	4.628	4.828	56.270	50.000	12.5
Methoxychlor	6.612	6.510	6.710	58.860	50.000	17.7
Tetrachloro-m-xylene	2.776	2.674	2.874	55.470	50.000	10.9

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	138.1E6	160.0E6	53.144	55.474
28)	SA Decachlor...	9.058	7.914	100.6E6	164.2E6	57.885	57.466
	Target Compounds						
2)	A alpha-BHC	3.997	3.279	192.9E6	243.3E6	54.057	56.985
3)	MA gamma-BHC...	4.329	3.609	182.2E6	236.0E6	53.918	57.011
4)	MA Heptachlor	4.918	3.947	161.3E6	229.6E6	52.777	56.742
5)	MB Aldrin	5.259	4.227	158.7E6	225.5E6	52.761	56.672
6)	B beta-BHC	4.527	3.909	78989177	97980879	52.320	55.080
7)	B delta-BHC	4.774	4.138	172.2E6	237.4E6	52.052	55.651
8)	B Heptachlo...	5.685	4.730	144.3E6	204.9E6	51.954	56.270
9)	A Endosulfan I	6.071	5.099	127.6E6	170.2E6	52.438	50.907
10)	B gamma-Chl...	5.942	4.980	135.8E6	207.9E6	52.708	56.106
11)	B alpha-Chl...	6.021	5.043	136.1E6	204.7E6	52.536	56.396
12)	B 4,4'-DDE	6.195	5.232	123.7E6	201.4E6	52.891	56.251
13)	MA Dieldrin	6.347	5.364	134.9E6	209.9E6	52.614	56.948
14)	MA Endrin	6.575	5.639	116.1E6	186.1E6	55.375m	58.342
15)	B Endosulfa...	6.796	5.934	115.8E6	181.3E6	53.095	57.225
16)	A 4,4'-DDD	6.712	5.787	99538303	159.8E6	54.325	56.988
17)	MA 4,4'-DDT	7.026	6.037	105.0E6	171.0E6	54.443	57.720
18)	B Endrin al...	6.926	6.113	95456162	144.4E6	52.837	55.053
19)	B Endosulfa...	7.161	6.337	109.9E6	170.9E6	53.015	56.225
20)	A Methoxychlor	7.502	6.612	57843346	89876338	55.359	58.860
21)	B Endrin ke...	7.646	6.842	123.2E6	195.0E6	54.293	58.092
22)	Mirex	8.119	7.022	99771159	157.7E6	55.237	58.702

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

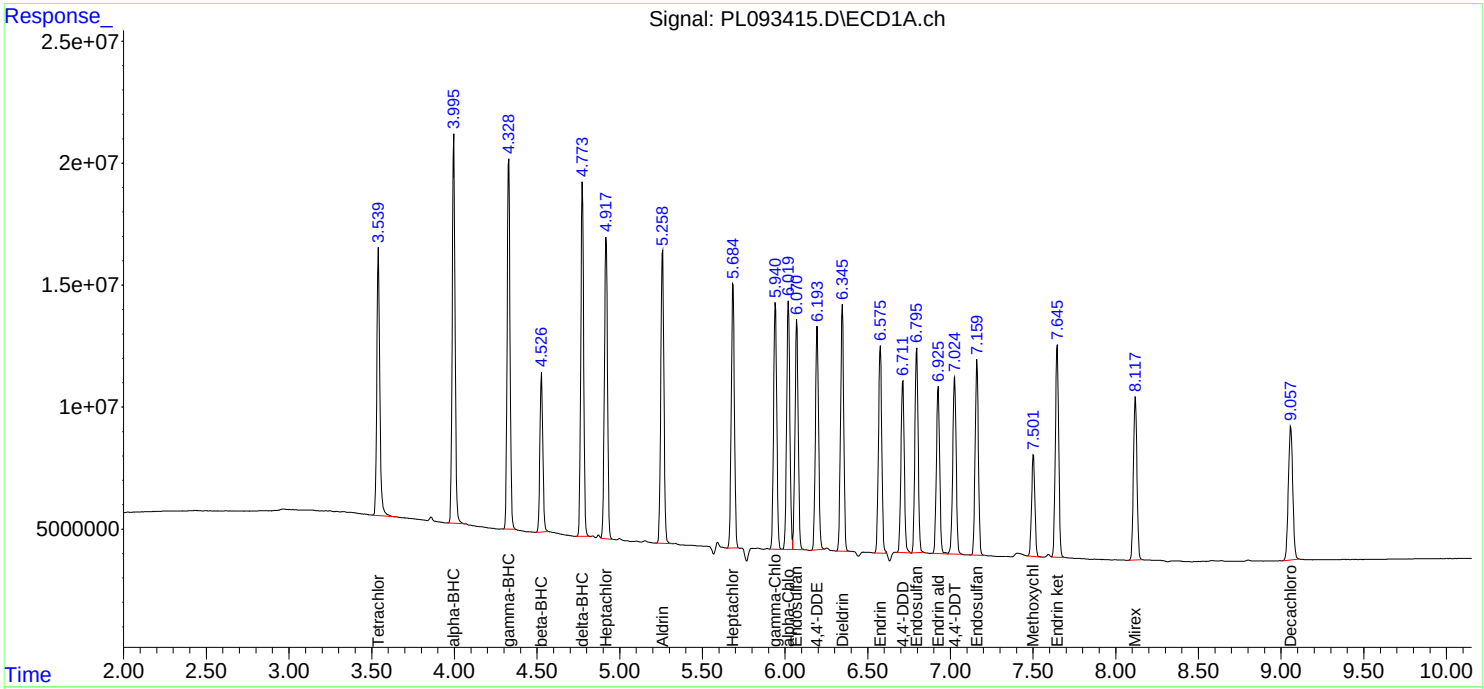
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

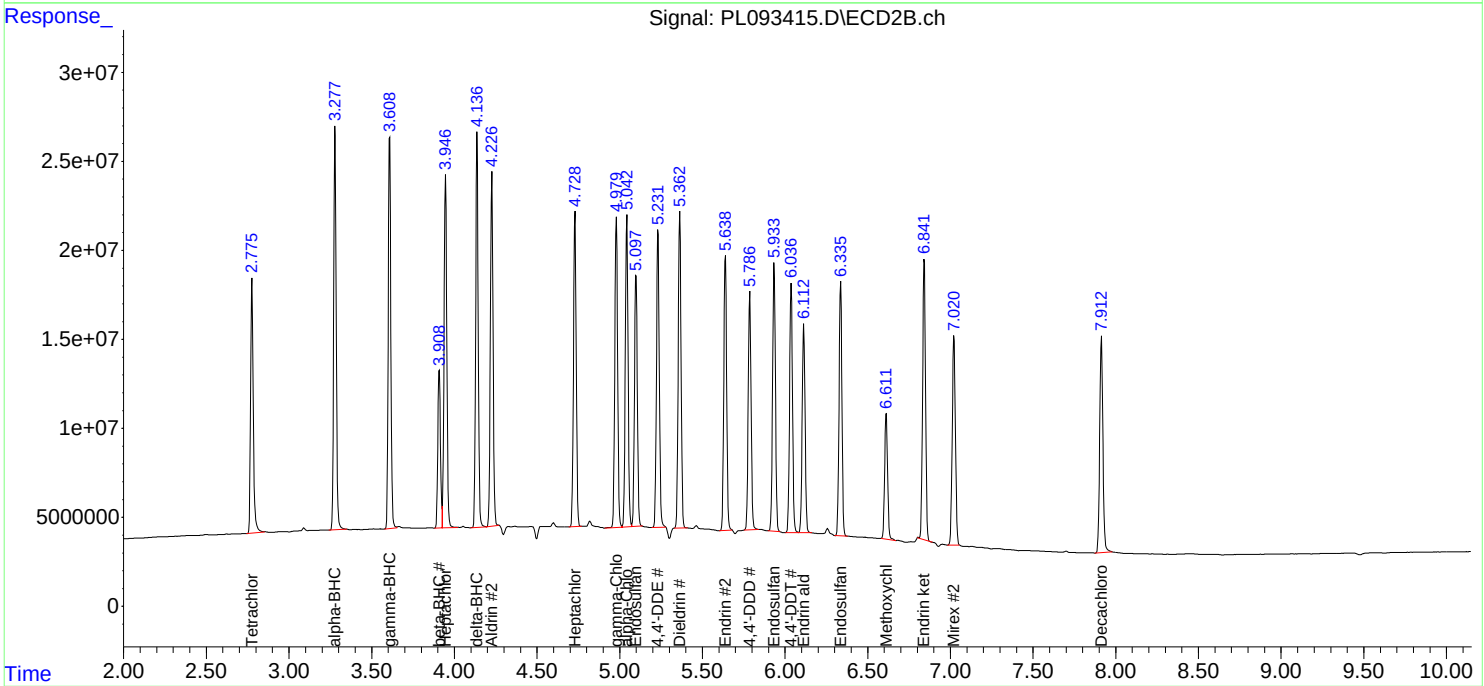
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

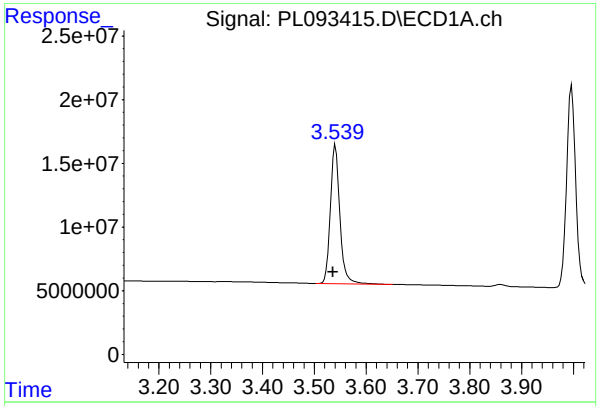
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







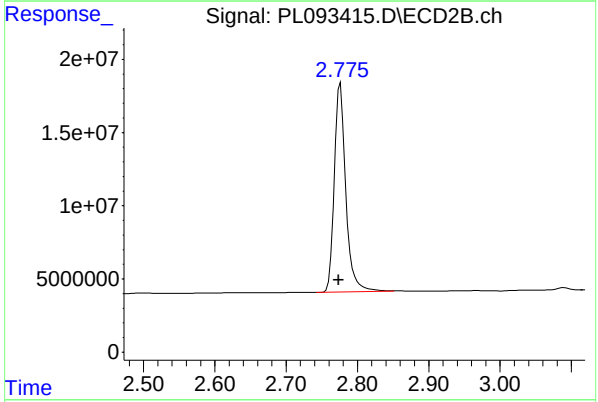
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.005 min
Response: 138118987
Conc: 53.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

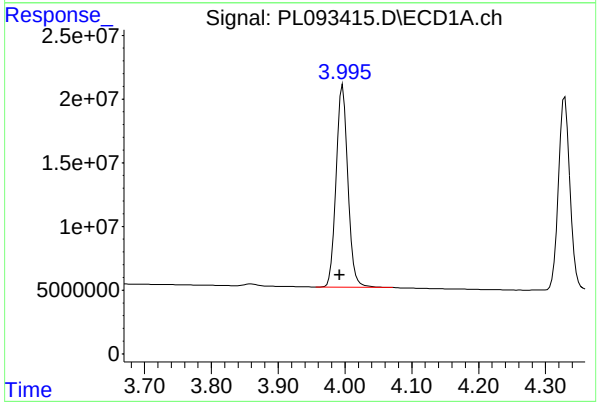
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



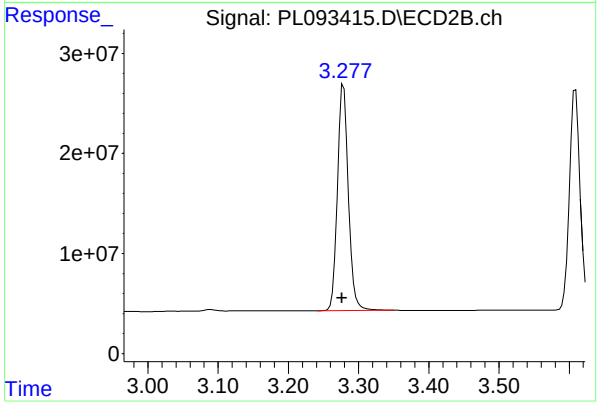
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 159989356
Conc: 55.47 ng/ml



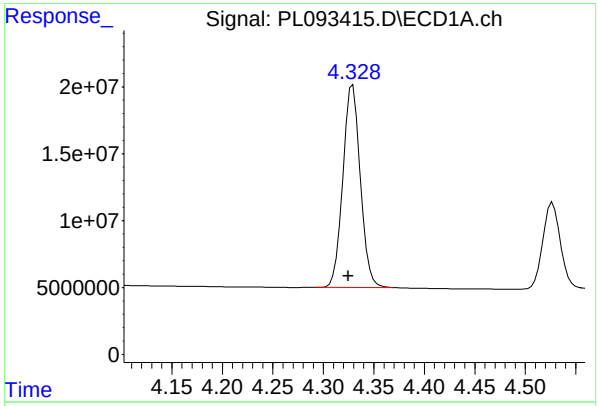
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.005 min
Response: 192899418
Conc: 54.06 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: 0.002 min
Response: 243294028
Conc: 56.99 ng/ml



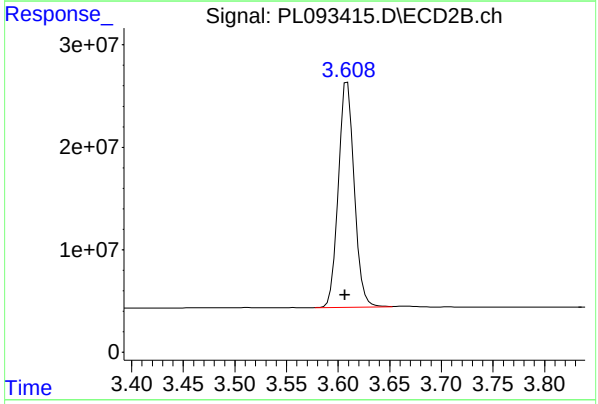
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.004 min
Response: 182170002
Conc: 53.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

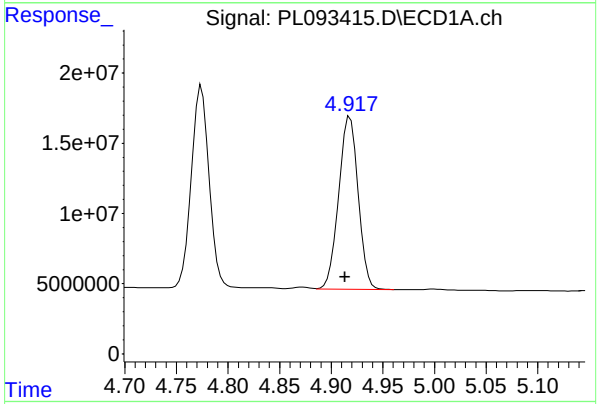
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



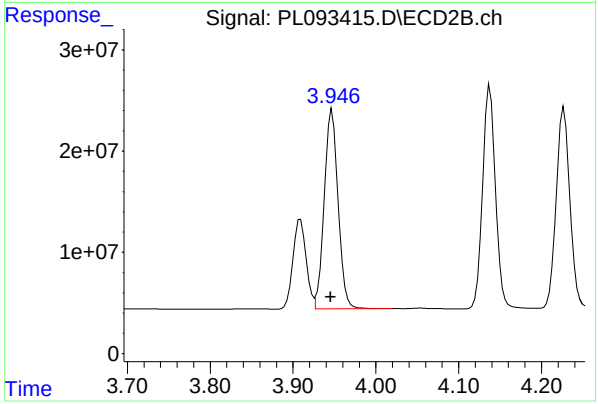
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.003 min
Response: 236010757
Conc: 57.01 ng/ml



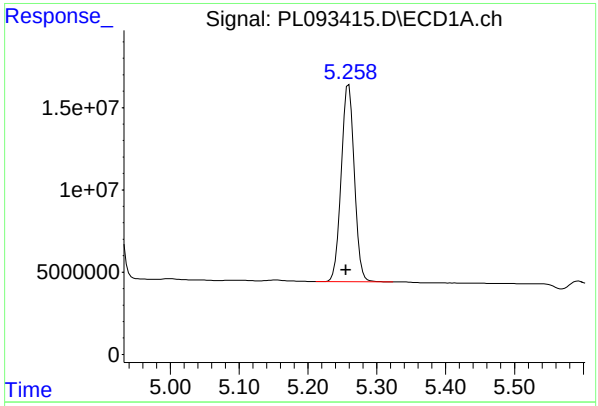
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.005 min
Response: 161292984
Conc: 52.78 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 229551706
Conc: 56.74 ng/ml



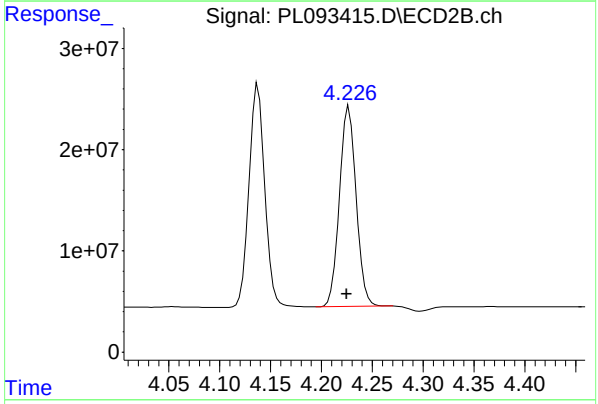
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.004 min
Response: 158659773
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

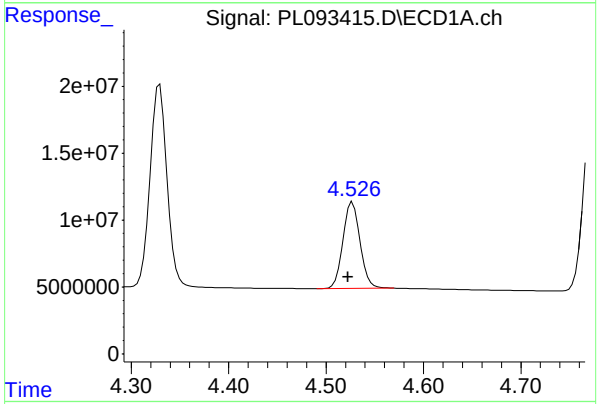
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



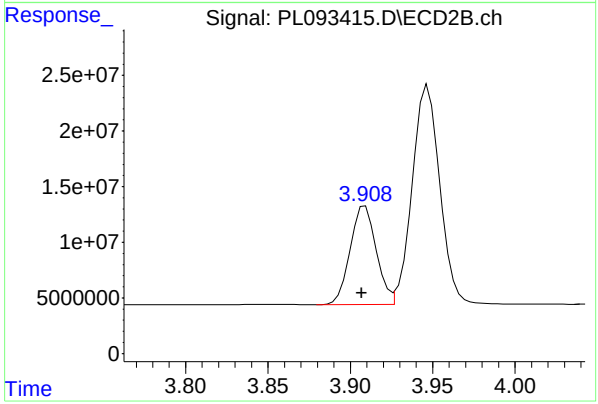
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 225489805
Conc: 56.67 ng/ml



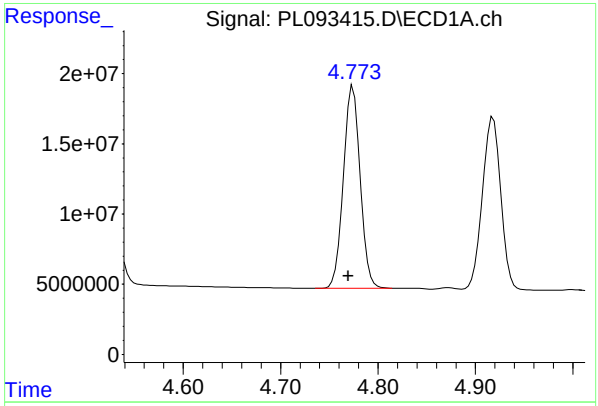
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.004 min
Response: 78989177
Conc: 52.32 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 97980879
Conc: 55.08 ng/ml



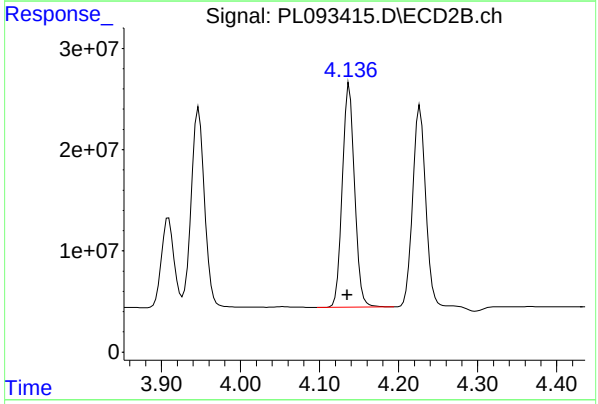
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.005 min
Response: 172220553
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

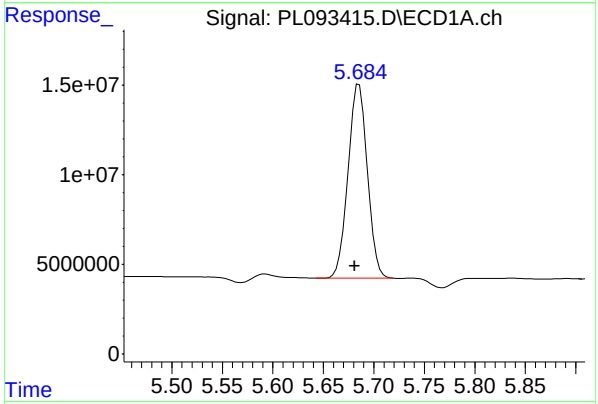
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



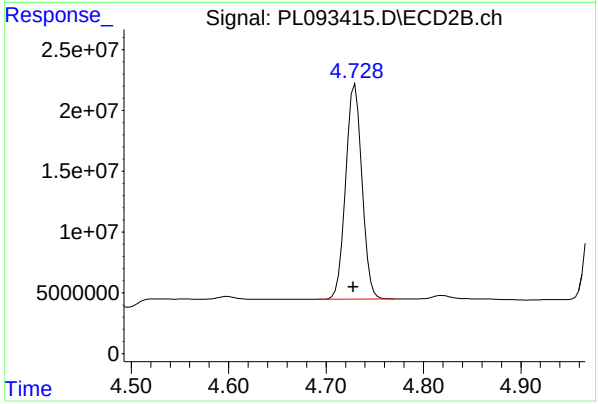
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.002 min
Response: 237433534
Conc: 55.65 ng/ml



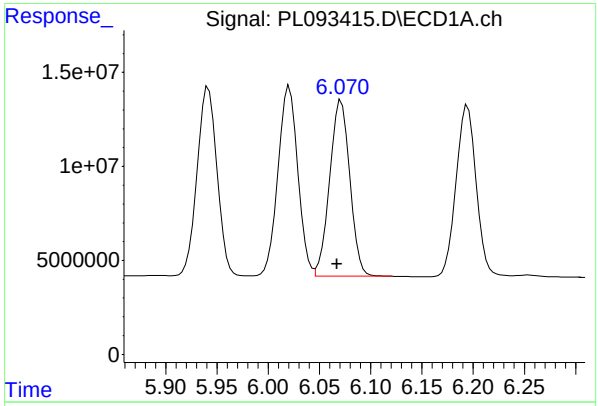
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.004 min
Response: 144260856
Conc: 51.95 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 204946286
Conc: 56.27 ng/ml



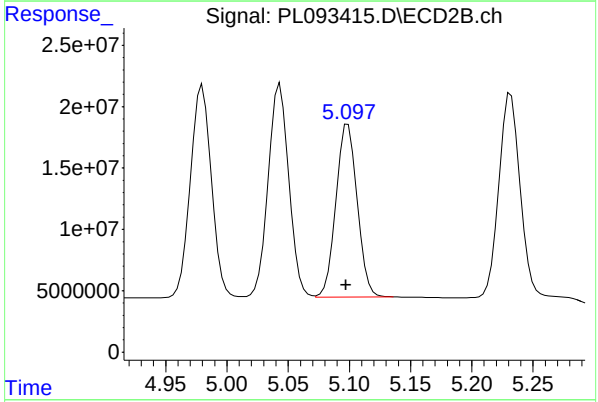
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.004 min
Response: 127643598
Conc: 52.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

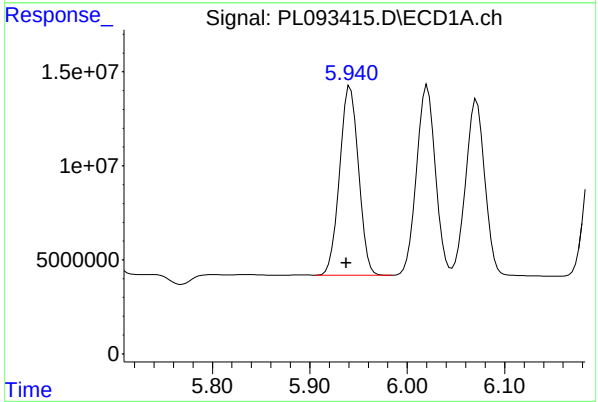
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



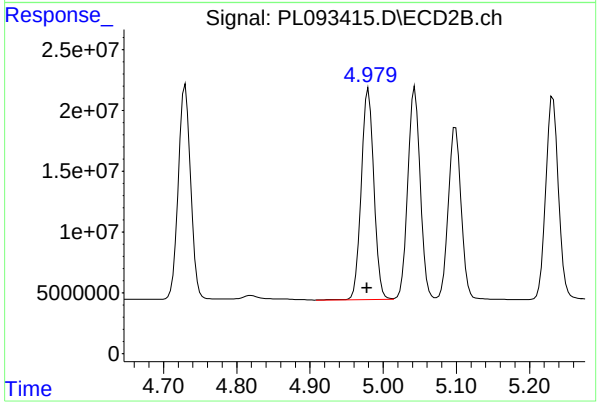
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 170181500
Conc: 50.91 ng/ml



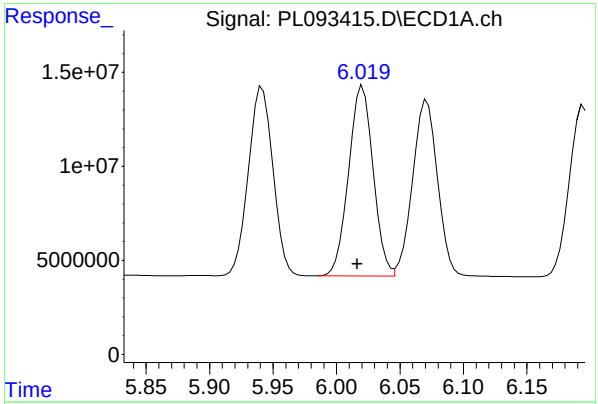
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.004 min
Response: 135792738
Conc: 52.71 ng/ml



#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 207877770
Conc: 56.11 ng/ml



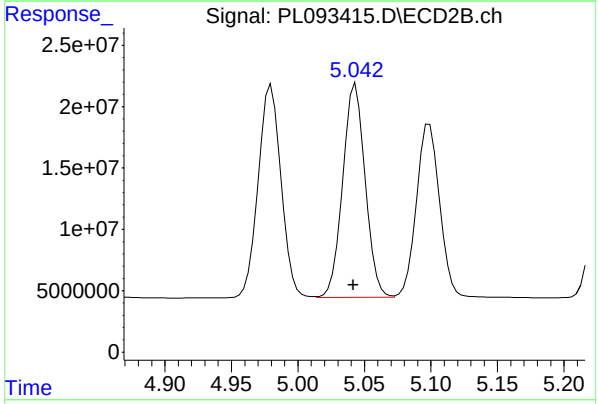
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.004 min
Response: 136124261
Conc: 52.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

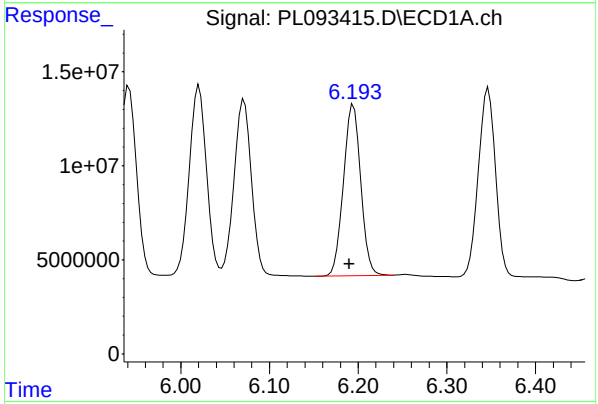
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



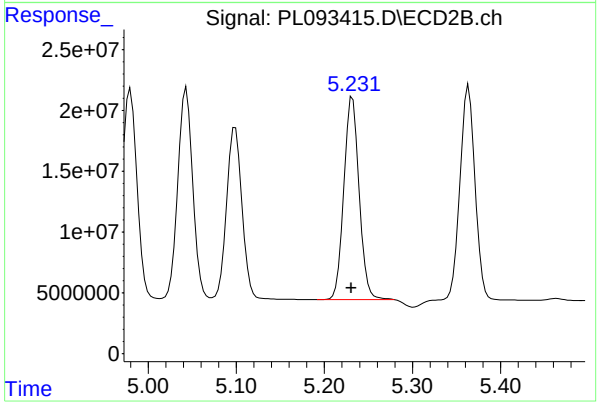
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 204732445
Conc: 56.40 ng/ml



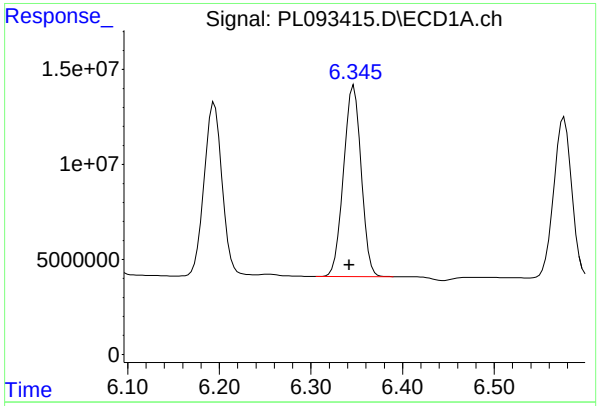
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.004 min
Response: 123728383
Conc: 52.89 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: 0.001 min
Response: 201380428
Conc: 56.25 ng/ml



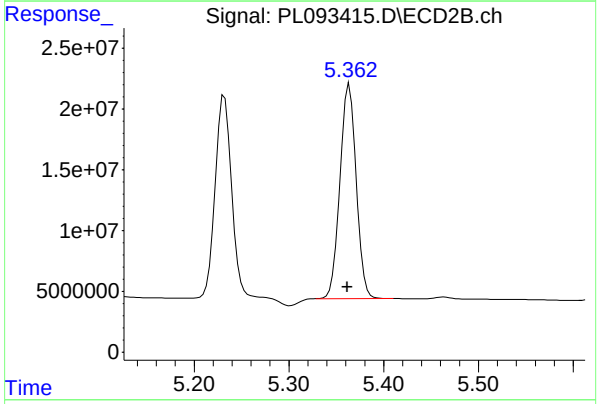
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.005 mi
Response: 134858733
Conc: 52.61 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

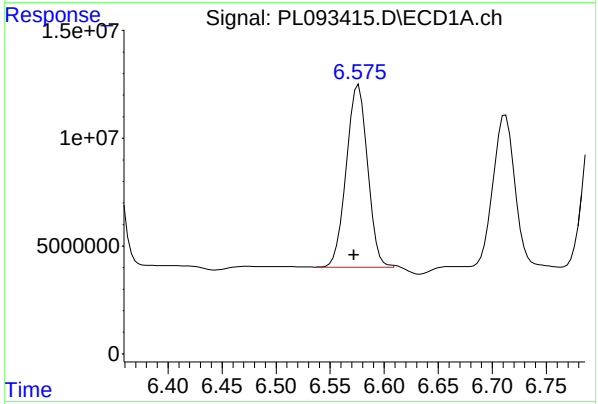
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



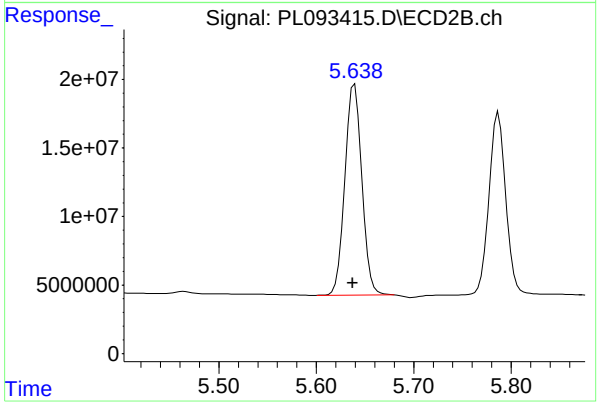
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 209882100
Conc: 56.95 ng/ml



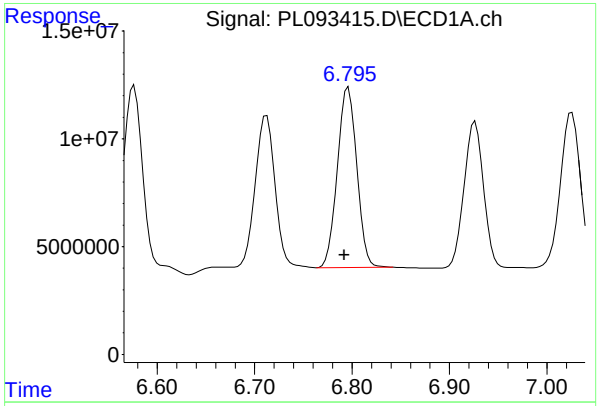
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 116147861
Conc: 55.38 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 186069252
Conc: 58.34 ng/ml



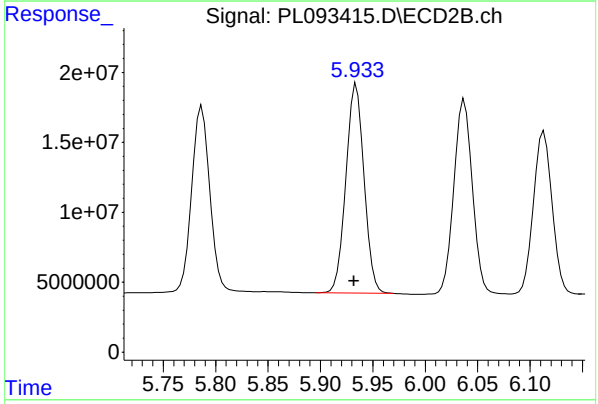
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.004 min
Response: 115773458
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

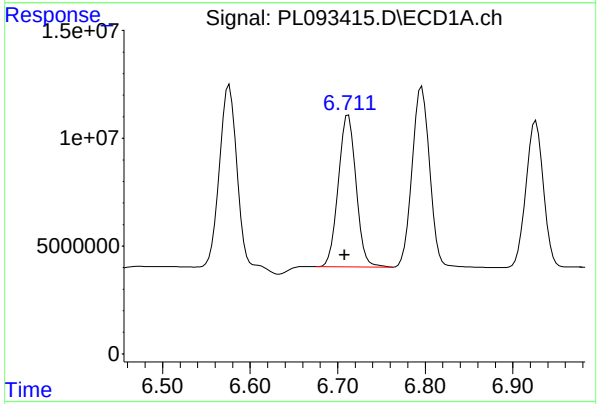
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



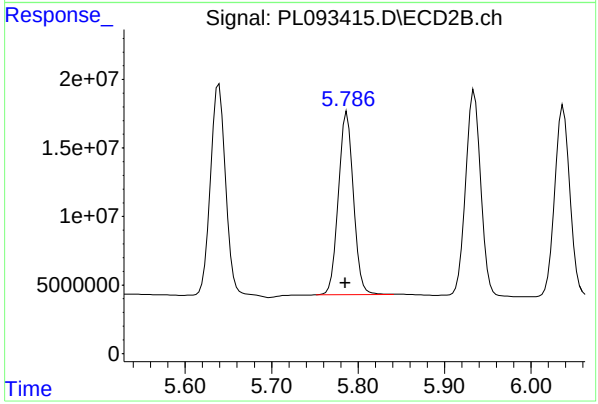
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 181345069
Conc: 57.22 ng/ml



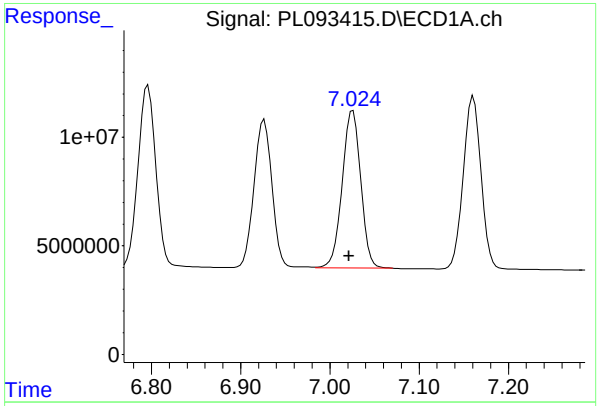
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.004 min
Response: 99538303
Conc: 54.32 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 159762508
Conc: 56.99 ng/ml



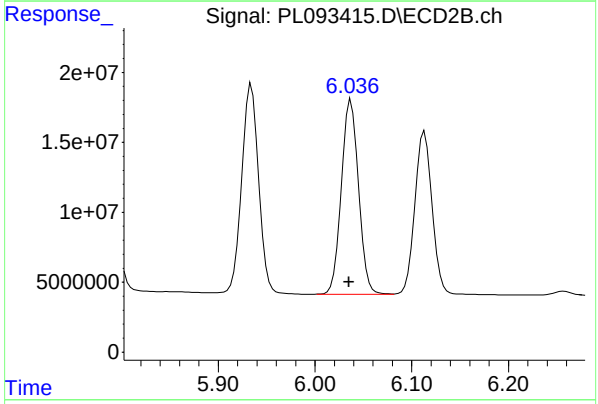
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.004 min
Response: 104957340
Conc: 54.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

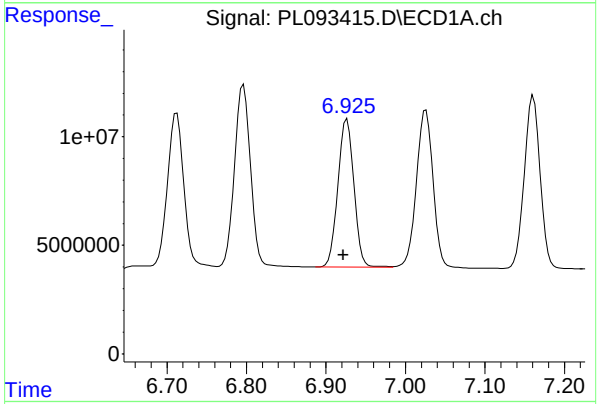
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



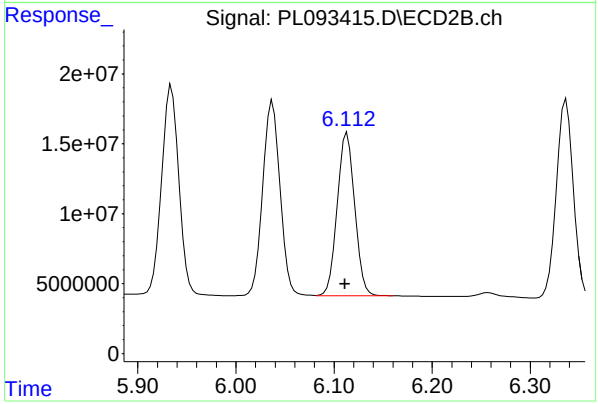
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.002 min
Response: 170954695
Conc: 57.72 ng/ml



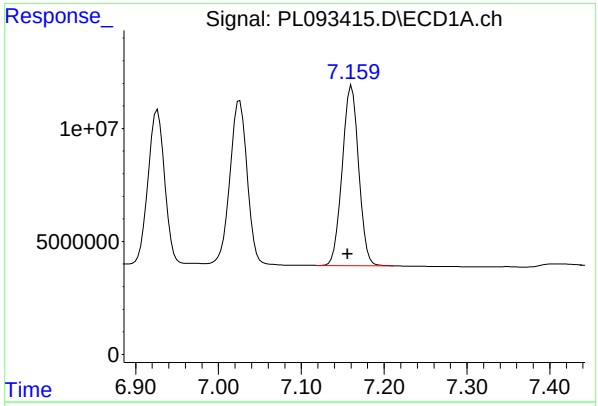
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.005 min
Response: 95456162
Conc: 52.84 ng/ml



#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 144368286
Conc: 55.05 ng/ml



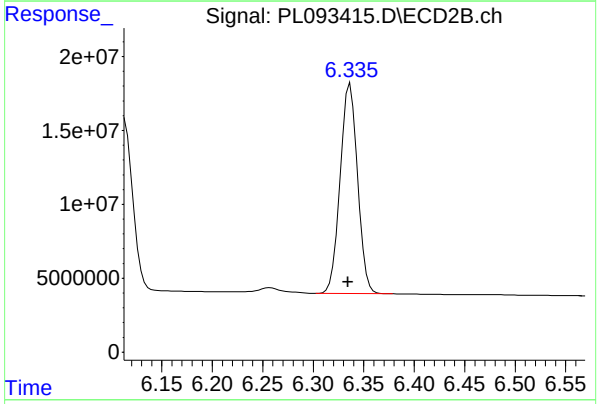
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.005 min
Response: 109882419
Conc: 53.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

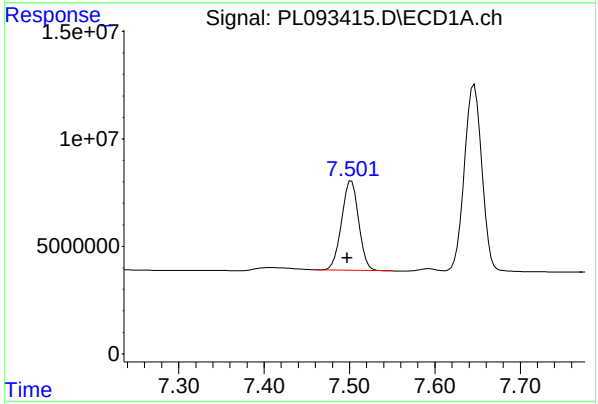
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



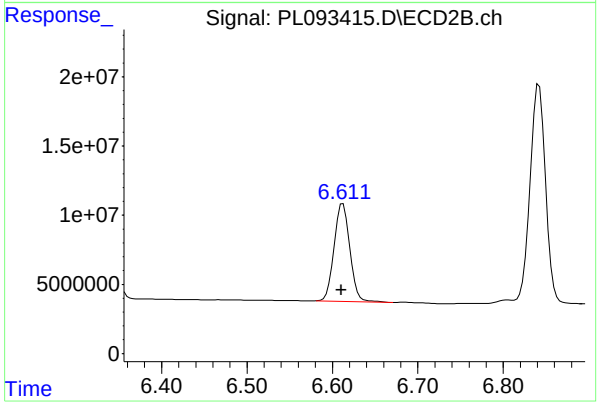
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.002 min
Response: 170905433
Conc: 56.23 ng/ml



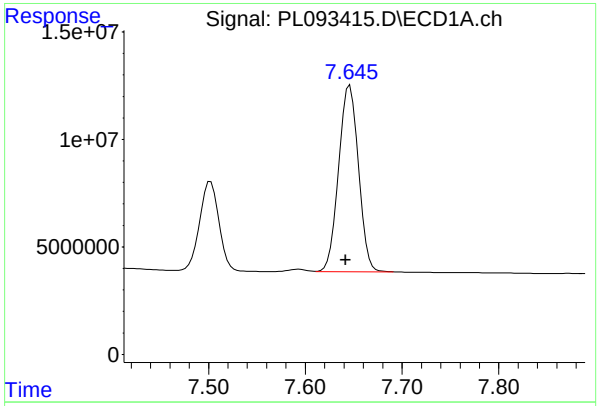
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 57843346
Conc: 55.36 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 89876338
Conc: 58.86 ng/ml



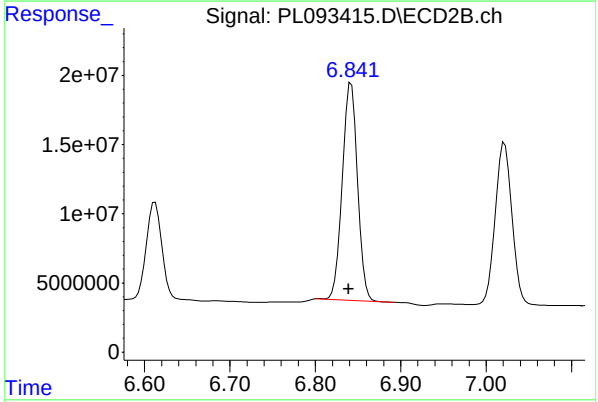
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.005 min
Response: 123205303
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

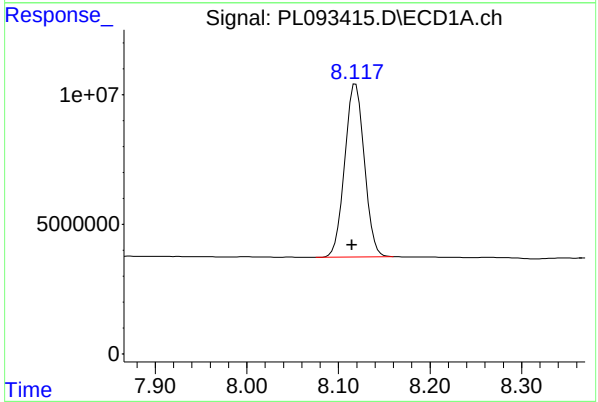
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



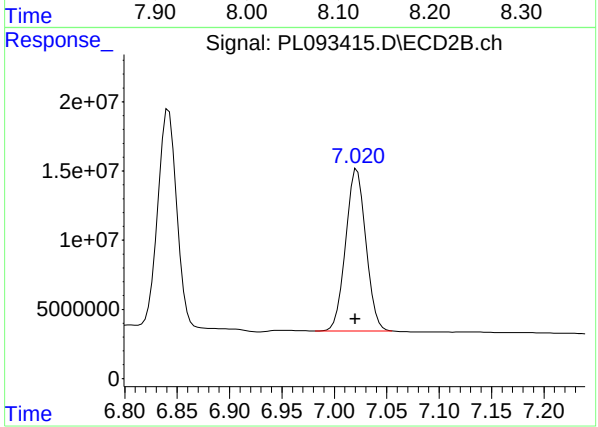
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 195015710
Conc: 58.09 ng/ml



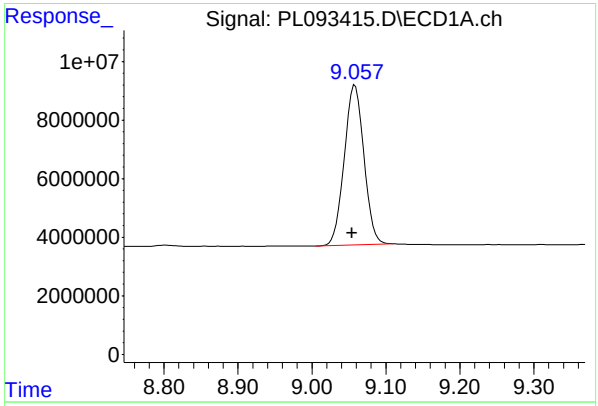
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 99771159
Conc: 55.24 ng/ml



#22 Mirex

R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 157703869
Conc: 58.70 ng/ml



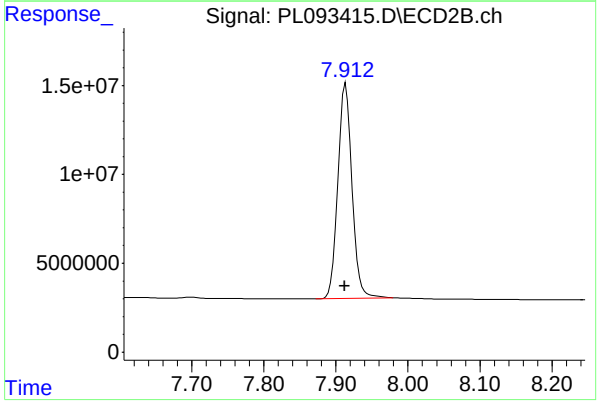
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 100634835
Conc: 57.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.001 min
Response: 164150131
Conc: 57.47 ng/ml

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 18:18 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-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	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
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	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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	0.00
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

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 18:18 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.77	2.67	2.87	-0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.33	6.23	6.43	-0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093427.D **Time Analyzed:** 18:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.608	6.808	49.090	50.000	-1.8
4,4'-DDE	6.194	6.090	6.290	47.160	50.000	-5.7
4,4'-DDT	7.025	6.922	7.122	48.250	50.000	-3.5
Aldrin	5.258	5.155	5.355	46.780	50.000	-6.4
alpha-BHC	3.995	3.892	4.092	47.510	50.000	-5.0
alpha-Chlordane	6.020	5.916	6.116	46.660	50.000	-6.7
beta-BHC	4.526	4.423	4.623	46.620	50.000	-6.8
Decachlorobiphenyl	9.057	8.954	9.154	52.070	50.000	4.1
delta-BHC	4.773	4.670	4.870	45.820	50.000	-8.4
Dieldrin	6.346	6.242	6.442	46.760	50.000	-6.5
Endosulfan I	6.071	5.967	6.167	46.550	50.000	-6.9
Endosulfan II	6.795	6.692	6.892	47.450	50.000	-5.1
Endosulfan sulfate	7.159	7.056	7.256	47.290	50.000	-5.4
Endrin	6.574	6.472	6.672	49.110	50.000	-1.8
Endrin aldehyde	6.925	6.822	7.022	47.220	50.000	-5.6
Endrin ketone	7.645	7.542	7.742	48.610	50.000	-2.8
gamma-BHC (Lindane)	4.328	4.225	4.425	47.560	50.000	-4.9
gamma-Chlordane	5.941	5.838	6.038	46.720	50.000	-6.6
Heptachlor	4.916	4.813	5.013	46.670	50.000	-6.7
Heptachlor epoxide	5.684	5.581	5.781	46.030	50.000	-7.9
Methoxychlor	7.501	7.398	7.598	49.400	50.000	-1.2
Tetrachloro-m-xylene	3.540	3.436	3.636	46.880	50.000	-6.2

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093427.D **Time Analyzed:** 18:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.788	5.685	5.885	51.970	50.000	3.9
4,4'-DDE	5.232	5.130	5.330	50.760	50.000	1.5
4,4'-DDT	6.038	5.935	6.135	51.110	50.000	2.2
Aldrin	4.227	4.125	4.325	50.780	50.000	1.6
alpha-BHC	3.278	3.176	3.376	50.980	50.000	2.0
alpha-Chlordane	5.044	4.941	5.141	50.880	50.000	1.8
beta-BHC	3.908	3.807	4.007	49.650	50.000	-0.7
Decachlorobiphenyl	7.913	7.812	8.012	53.120	50.000	6.2
delta-BHC	4.137	4.035	4.235	49.850	50.000	-0.3
Dieldrin	5.364	5.262	5.462	51.040	50.000	2.1
Endosulfan I	5.099	4.997	5.197	47.490	50.000	-5.0
Endosulfan II	5.935	5.832	6.032	51.340	50.000	2.7
Endosulfan sulfate	6.337	6.234	6.434	51.090	50.000	2.2
Endrin	5.639	5.537	5.737	52.190	50.000	4.4
Endrin aldehyde	6.114	6.011	6.211	50.060	50.000	0.1
Endrin ketone	6.842	6.739	6.939	52.890	50.000	5.8
gamma-BHC (Lindane)	3.608	3.506	3.706	51.000	50.000	2.0
gamma-Chlordane	4.980	4.878	5.078	50.710	50.000	1.4
Heptachlor	3.947	3.845	4.045	50.770	50.000	1.5
Heptachlor epoxide	4.730	4.628	4.828	50.680	50.000	1.4
Methoxychlor	6.612	6.510	6.710	52.400	50.000	4.8
Tetrachloro-m-xylene	2.776	2.674	2.874	49.910	50.000	-0.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	121.8E6	144.0E6	46.883	49.913
28) SA	Decachlor...	9.057	7.913	90518729	151.7E6	52.066	53.120
	Target Compounds						
2) A	alpha-BHC	3.995	3.278	169.5E6	217.7E6	47.506	50.980
3) MA	gamma-BHC...	4.328	3.608	160.7E6	211.1E6	47.562	51.004
4) MA	Heptachlor	4.916	3.947	142.6E6	205.4E6	46.671	50.767
5) MB	Aldrin	5.258	4.227	140.7E6	202.0E6	46.780	50.779
6) B	beta-BHC	4.526	3.908	70388241	88324808	46.623	49.652
7) B	delta-BHC	4.773	4.137	151.6E6	212.7E6	45.818	49.845
8) B	Heptachlo...	5.684	4.730	127.8E6	184.6E6	46.033	50.676
9) A	Endosulfan I	6.071	5.099	113.3E6	158.8E6	46.549	47.494
10) B	gamma-Chl...	5.941	4.980	120.4E6	187.9E6	46.722	50.706
11) B	alpha-Chl...	6.020	5.044	120.9E6	184.7E6	46.660	50.878
12) B	4,4'-DDE	6.194	5.232	110.3E6	181.7E6	47.159	50.763
13) MA	Dieldrin	6.346	5.364	119.9E6	188.1E6	46.762	51.044
14) MA	Endrin	6.574	5.639	103.0E6	166.4E6	49.107m	52.187
15) B	Endosulfa...	6.795	5.935	103.5E6	162.7E6	47.452	51.342
16) A	4,4'-DDD	6.711	5.788	89939095	145.7E6	49.086	51.971
17) MA	4,4'-DDT	7.025	6.038	93017183	151.4E6	48.250	51.107
18) B	Endrin al...	6.925	6.114	85300825	131.3E6	47.216	50.060
19) B	Endosulfa...	7.159	6.337	98012000	155.3E6	47.288	51.088
20) A	Methoxychlor	7.501	6.612	51616850	80007092	49.400	52.397
21) B	Endrin ke...	7.645	6.842	110.3E6	177.5E6	48.607	52.888
22)	Mirex	8.119	7.022	87871855	142.7E6	48.649	53.114

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

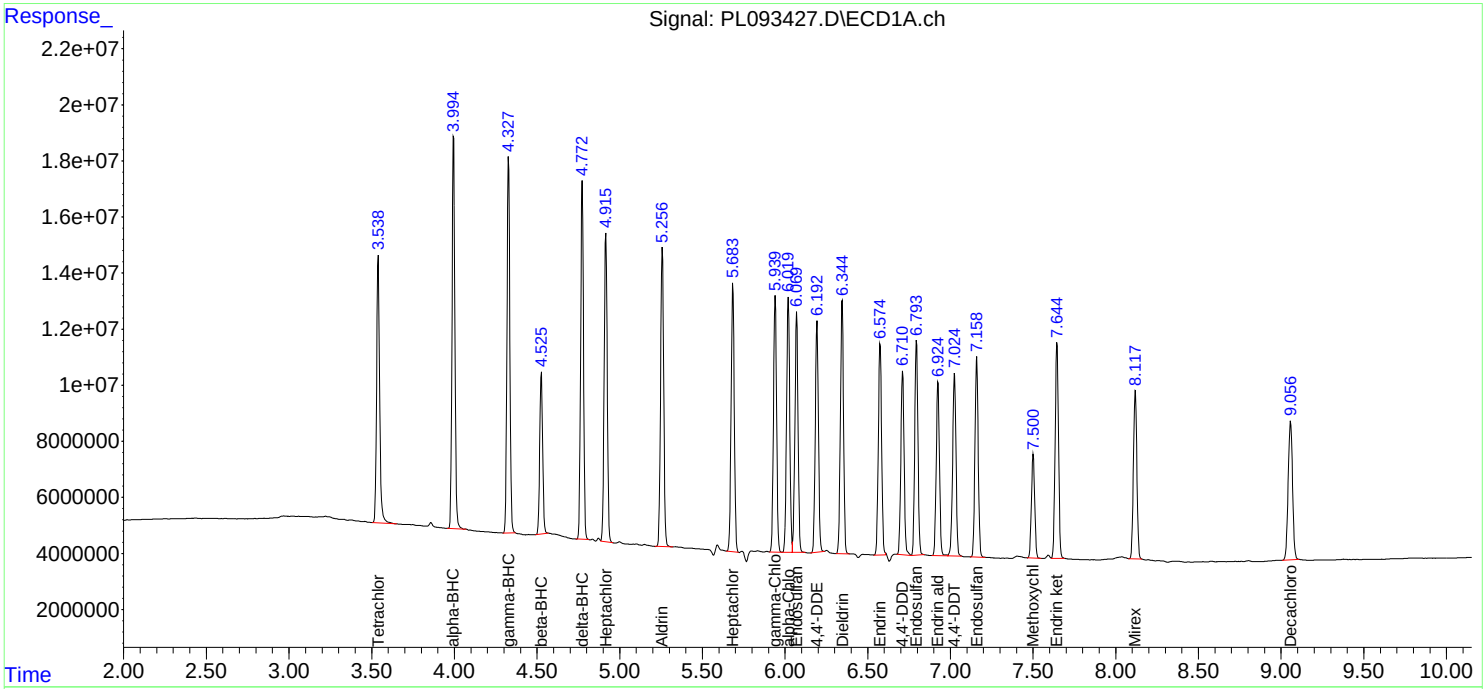
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

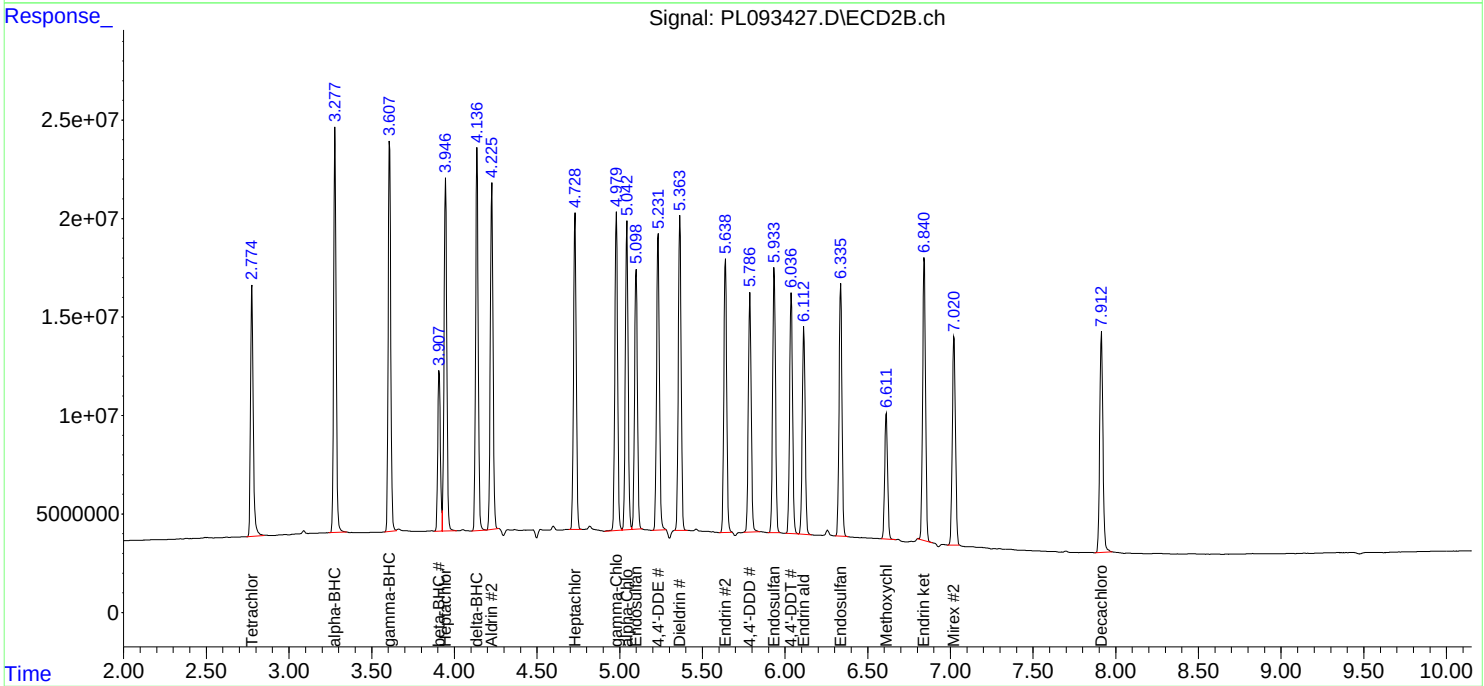
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

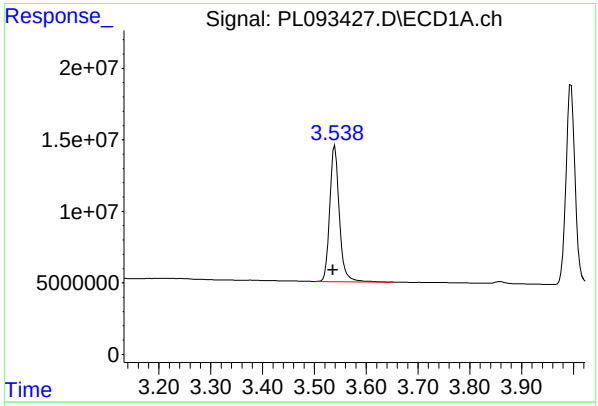
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







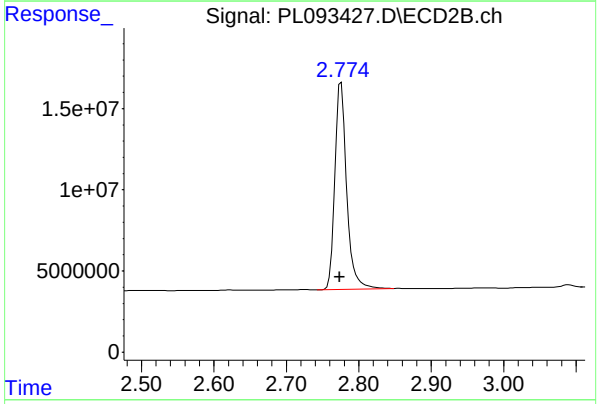
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.004 min
Response: 121848348
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

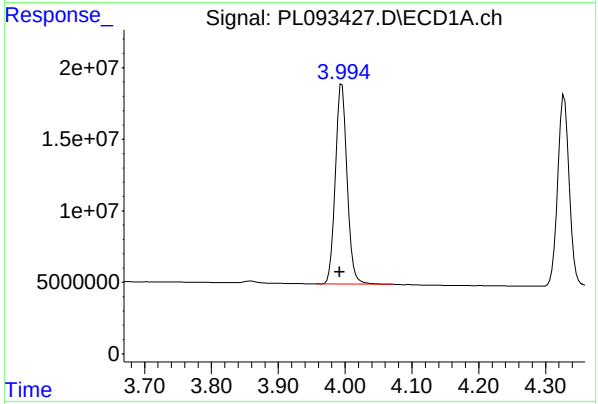
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



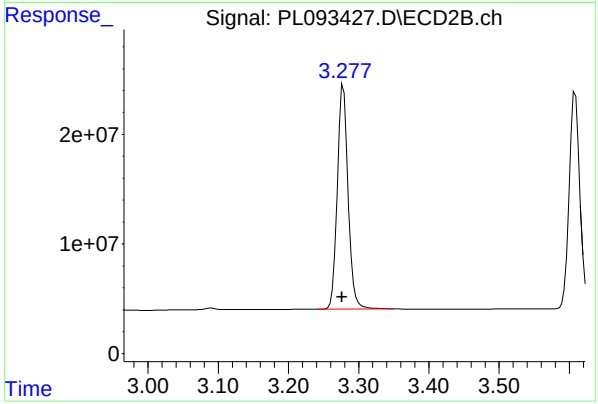
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 143950914
Conc: 49.91 ng/ml



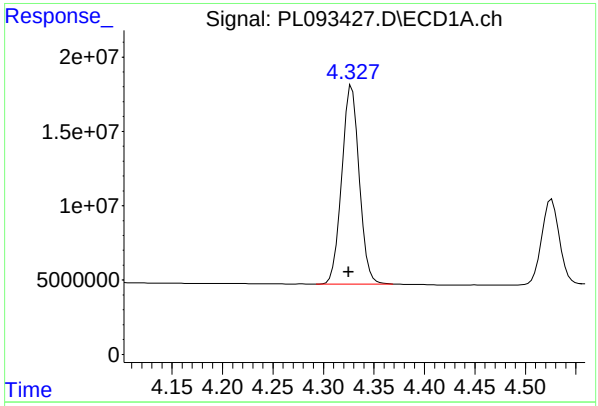
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 169522536
Conc: 47.51 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 217656114
Conc: 50.98 ng/ml



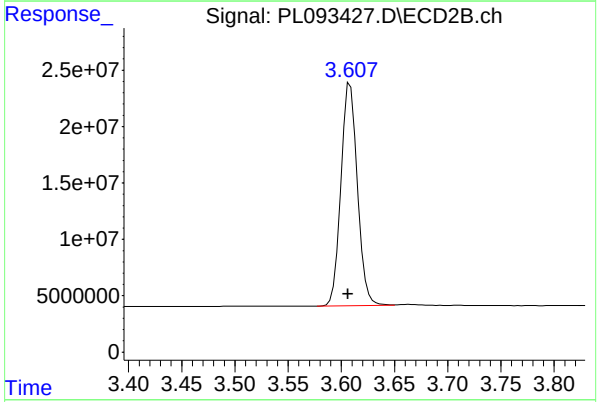
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 160696004
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

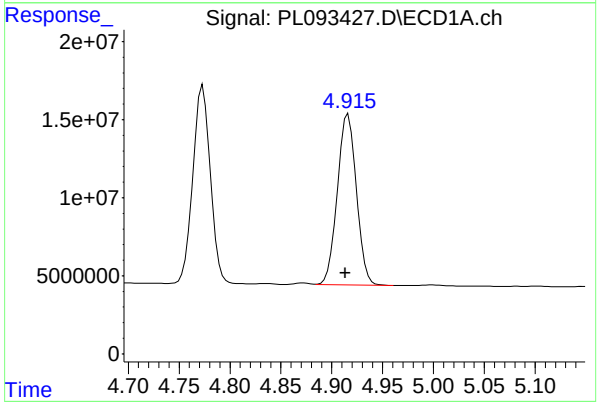
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



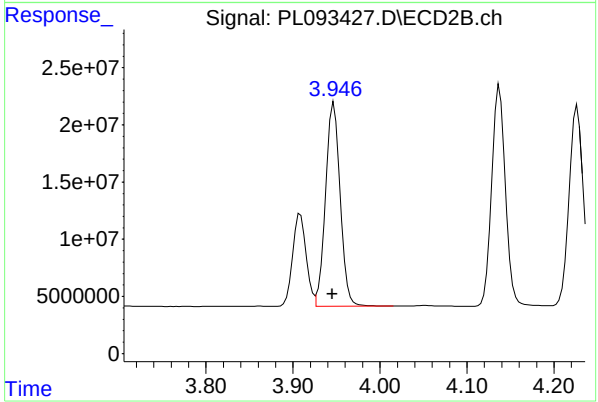
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 211145798
Conc: 51.00 ng/ml



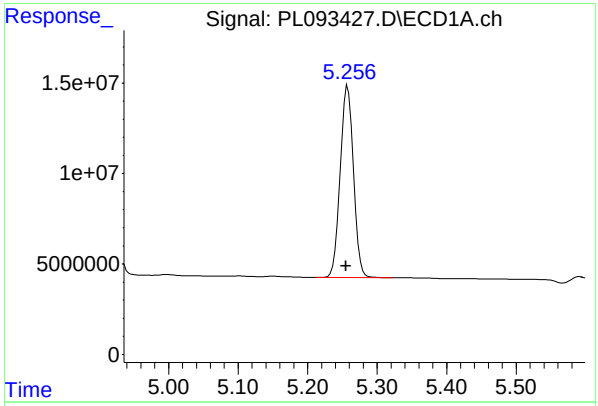
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 142632939
Conc: 46.67 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 205380047
Conc: 50.77 ng/ml



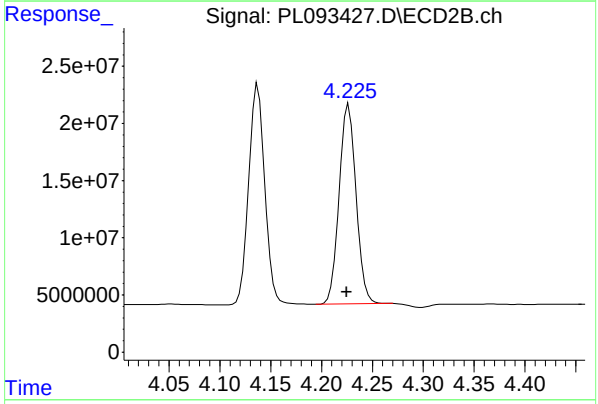
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.003 min
Response: 140676125
Conc: 46.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

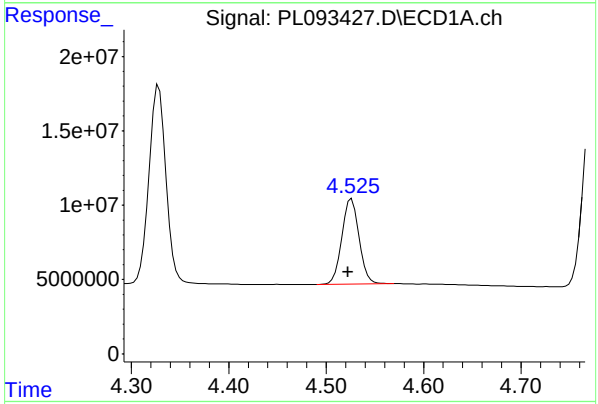
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



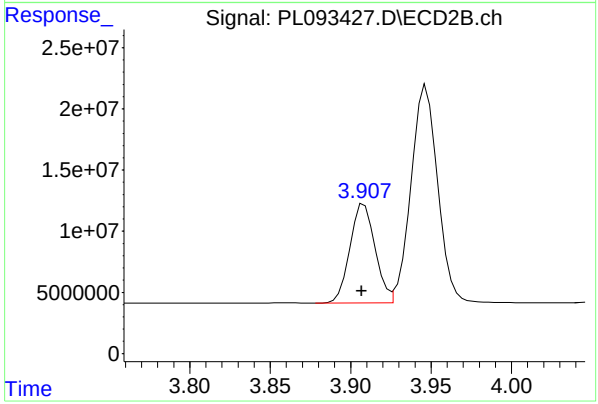
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 202041948
Conc: 50.78 ng/ml



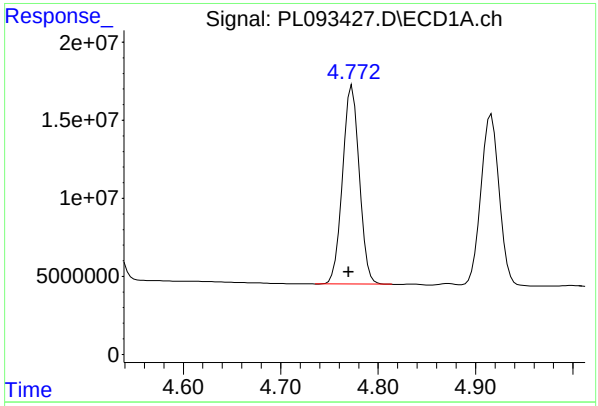
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 70388241
Conc: 46.62 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.002 min
Response: 88324808
Conc: 49.65 ng/ml



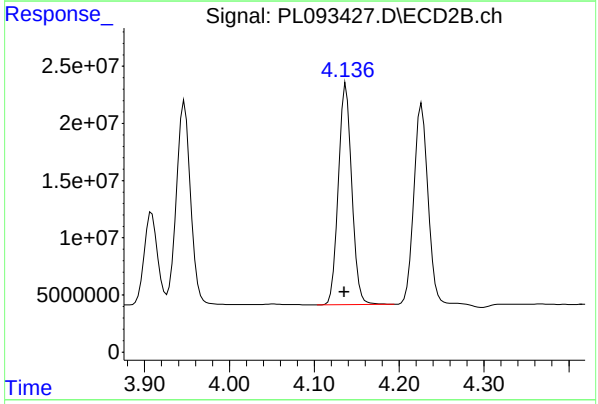
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.004 min
Response: 151594458
Conc: 45.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

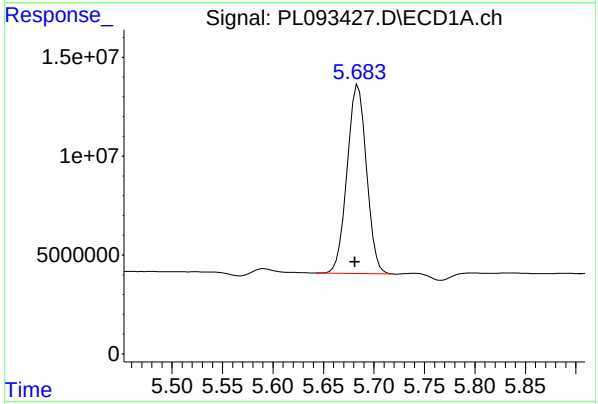
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



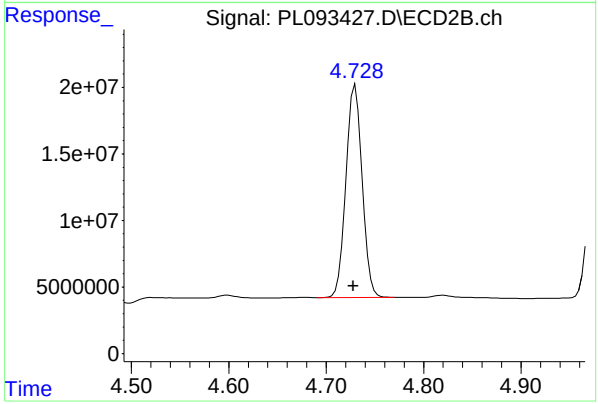
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.002 min
Response: 212664808
Conc: 49.85 ng/ml



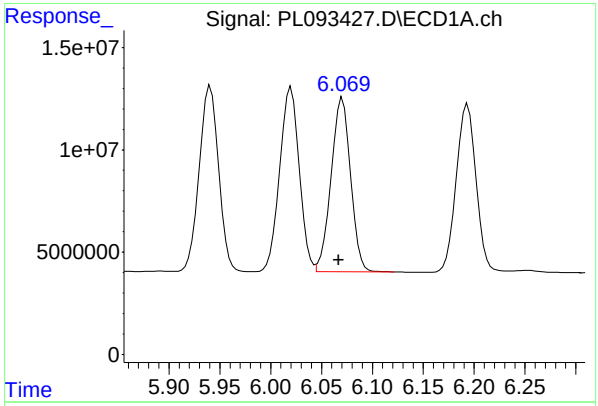
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 127820490
Conc: 46.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 184571714
Conc: 50.68 ng/ml



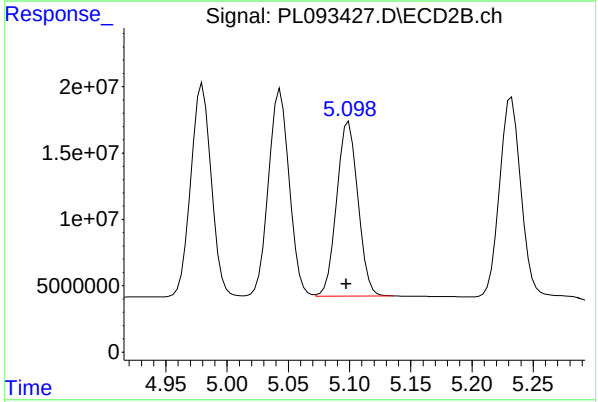
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.004 min
Response: 113308327
Conc: 46.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

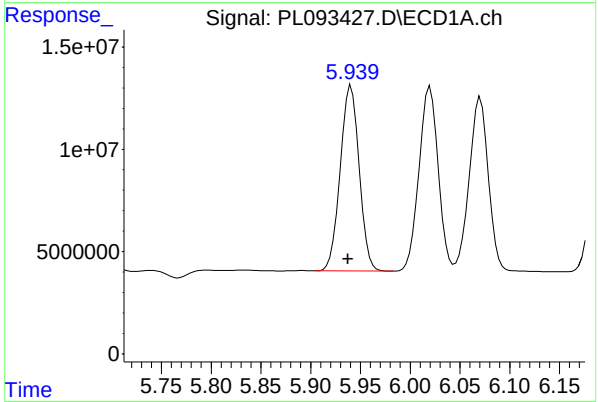
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



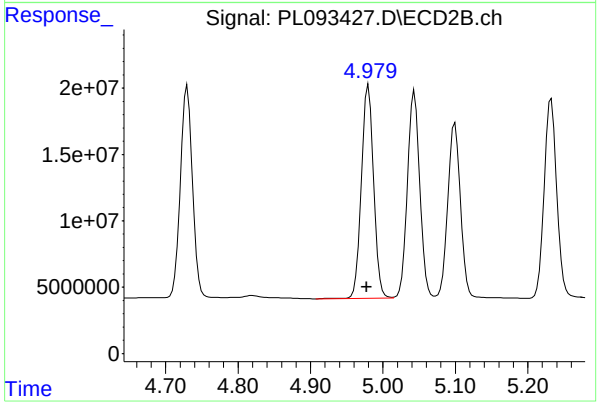
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 158771155
Conc: 47.49 ng/ml



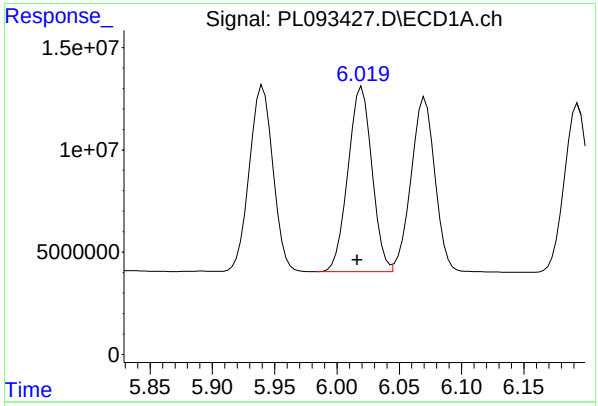
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.003 min
Response: 120373251
Conc: 46.72 ng/ml



#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 187870281
Conc: 50.71 ng/ml



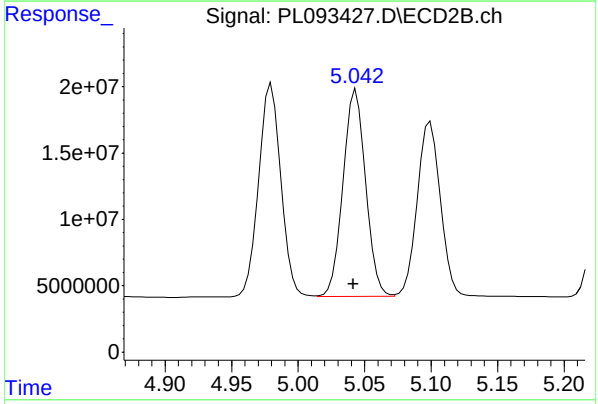
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.004 min
Response: 120899315
Conc: 46.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

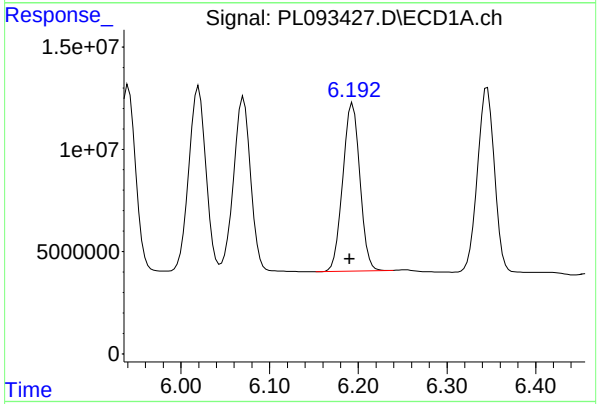
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



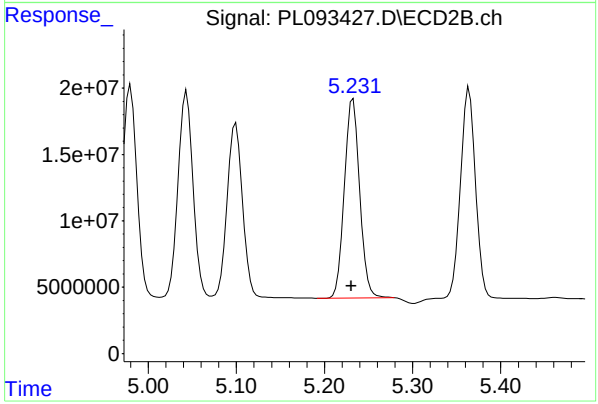
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.002 min
Response: 184699345
Conc: 50.88 ng/ml



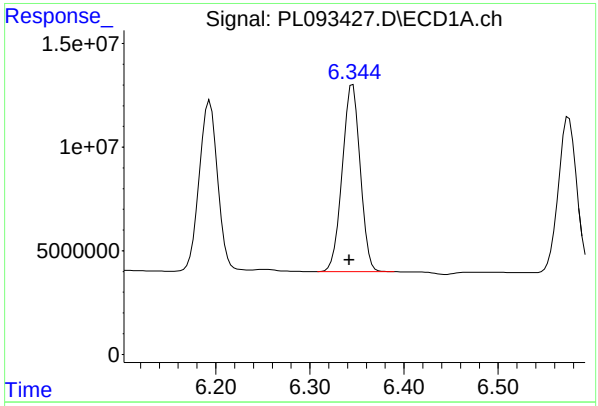
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.003 min
Response: 110319845
Conc: 47.16 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 181734123
Conc: 50.76 ng/ml



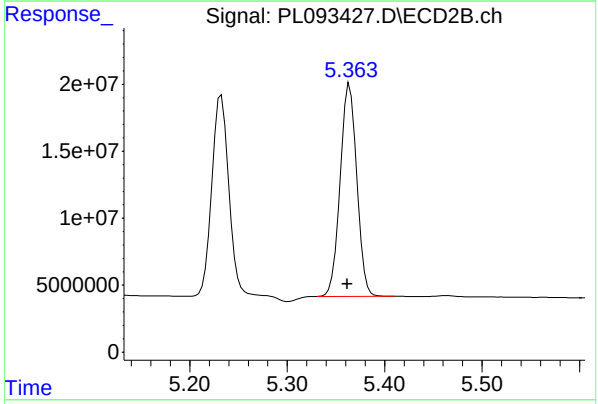
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.003 mi
Response: 119858514
Conc: 46.76 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

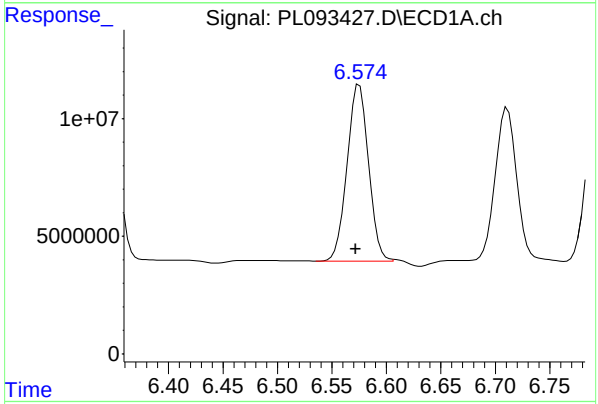
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



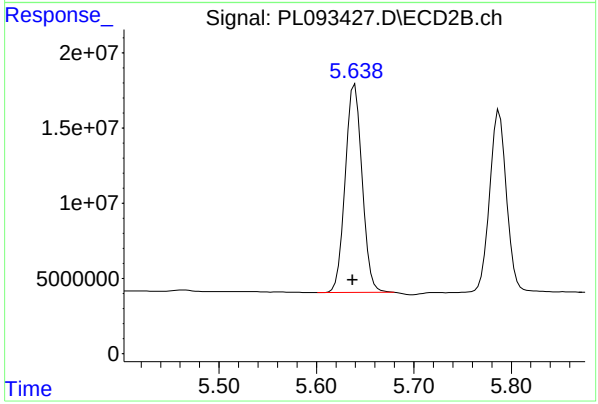
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 188121581
Conc: 51.04 ng/ml



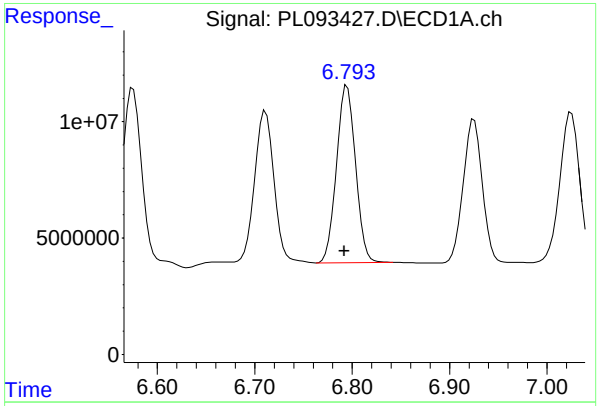
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 103000983
Conc: 49.11 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 166436978
Conc: 52.19 ng/ml



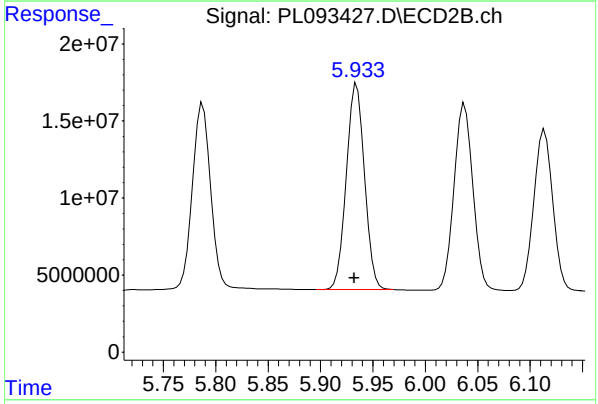
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 103468471
Conc: 47.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

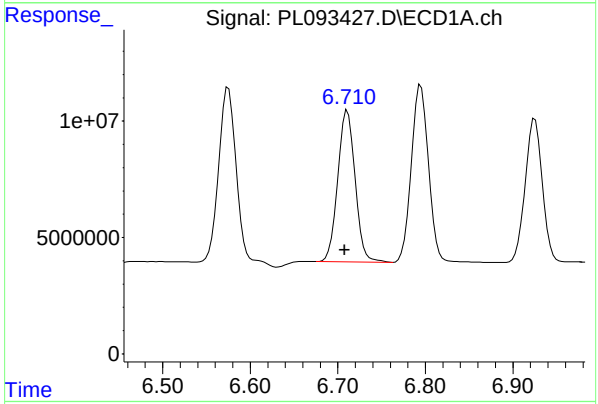
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



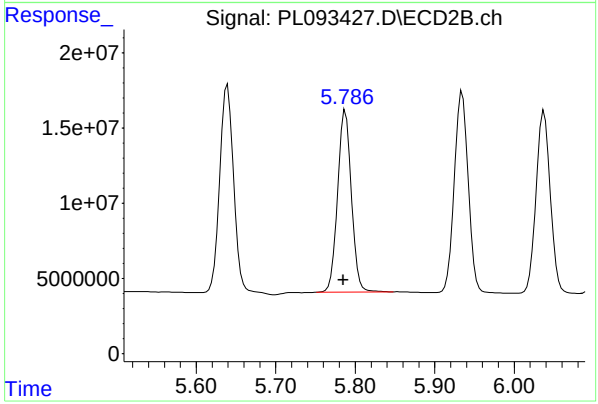
#15 Endosulfan II

R.T.: 5.935 min
Delta R.T.: 0.003 min
Response: 162702071
Conc: 51.34 ng/ml



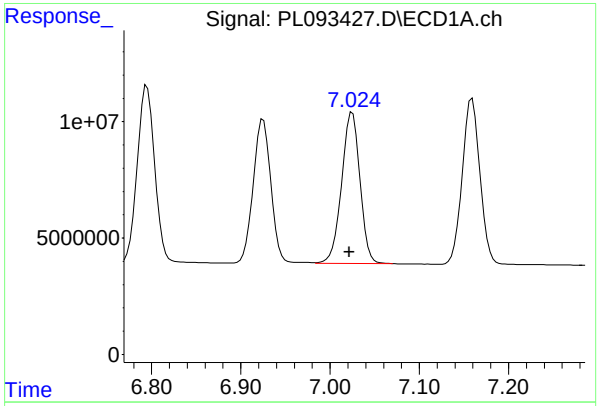
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.003 min
Response: 89939095
Conc: 49.09 ng/ml



#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: 0.003 min
Response: 145696726
Conc: 51.97 ng/ml



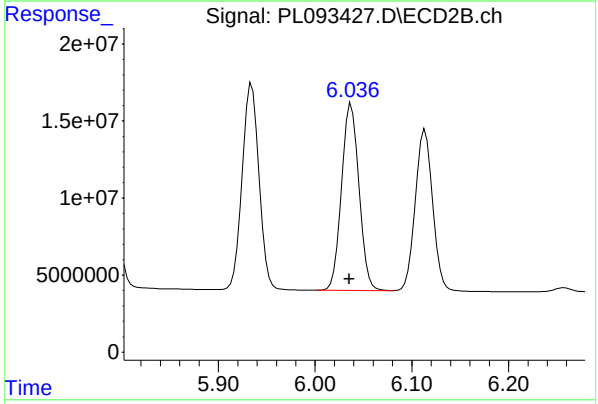
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.003 min
Response: 93017183
Conc: 48.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

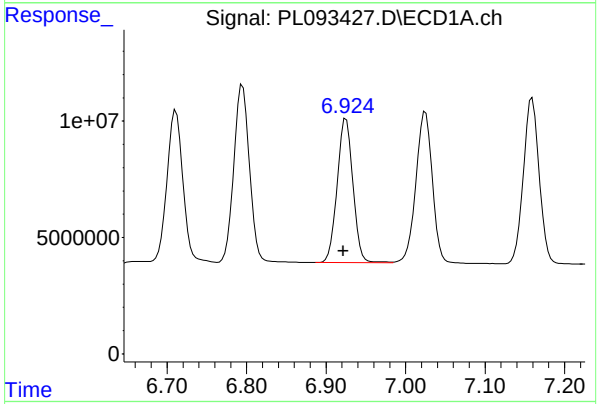
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



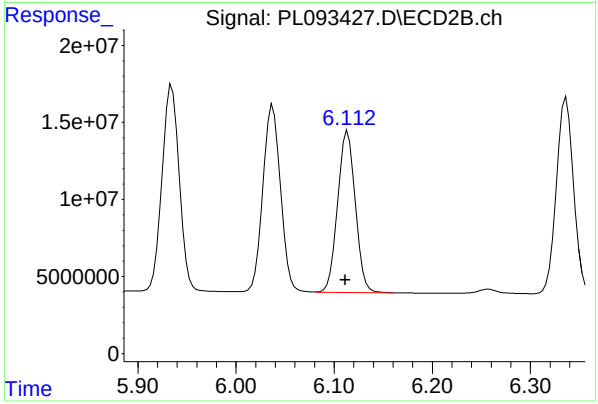
#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.002 min
Response: 151367982
Conc: 51.11 ng/ml



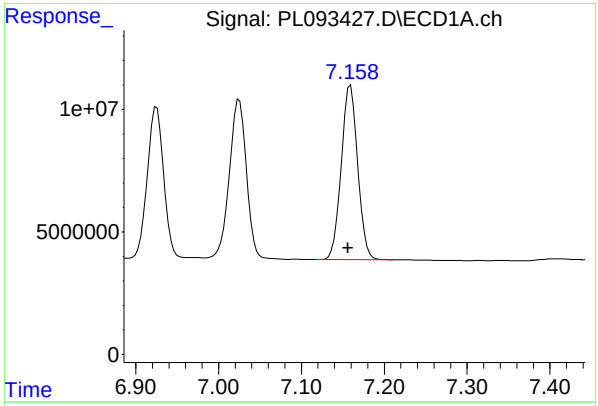
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.003 min
Response: 85300825
Conc: 47.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.114 min
Delta R.T.: 0.003 min
Response: 131275047
Conc: 50.06 ng/ml



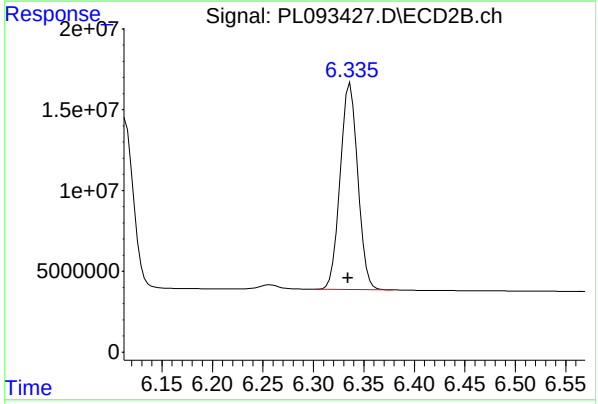
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 98012000
Conc: 47.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

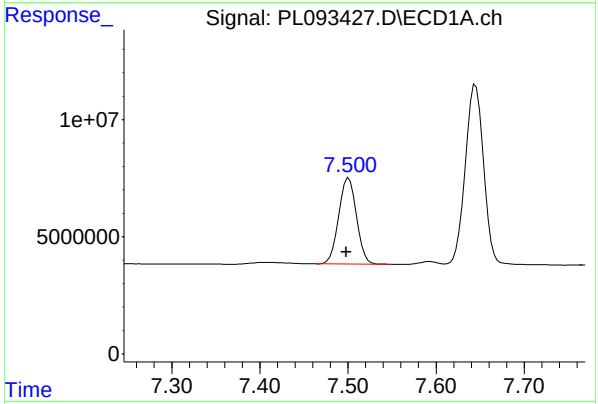
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



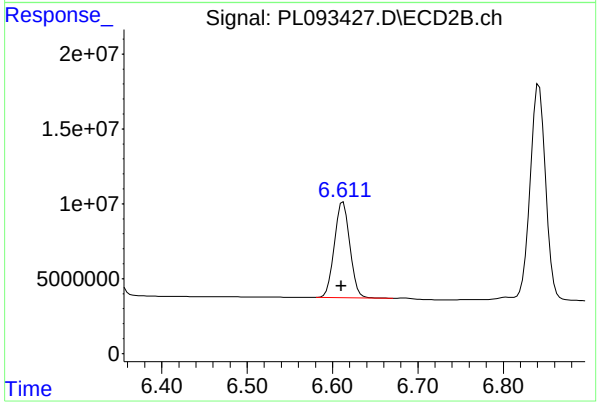
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.002 min
Response: 155289373
Conc: 51.09 ng/ml



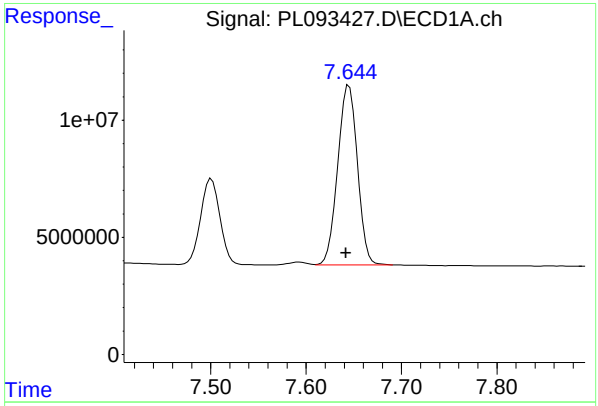
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 51616850
Conc: 49.40 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 80007092
Conc: 52.40 ng/ml



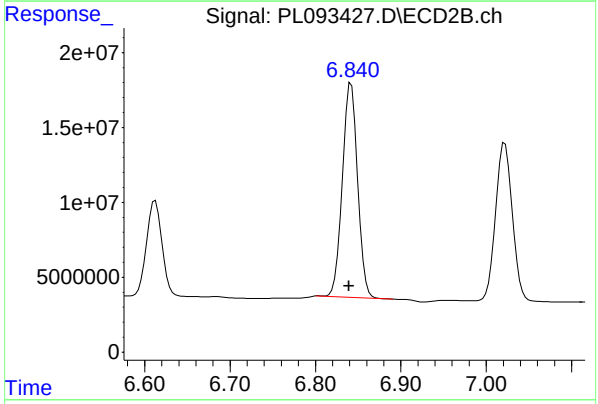
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 110301433
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

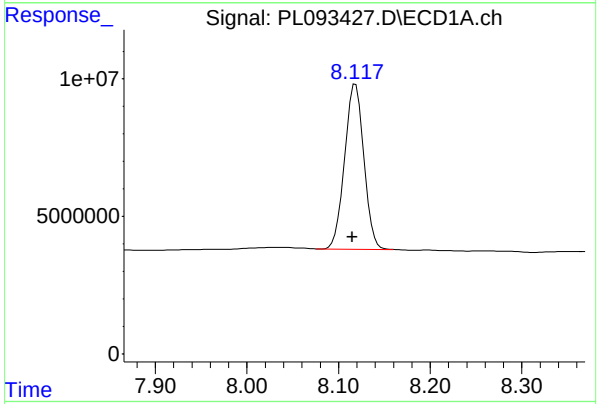
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



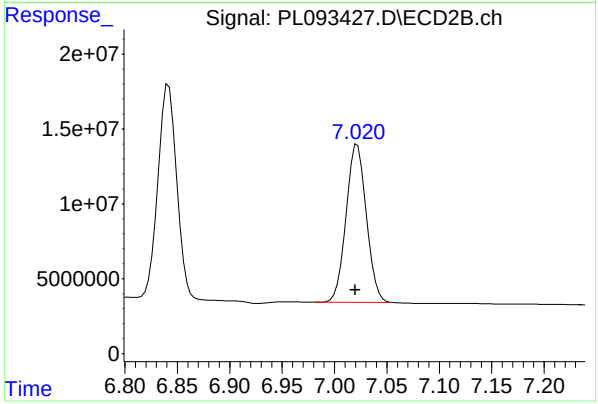
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 177545965
Conc: 52.89 ng/ml



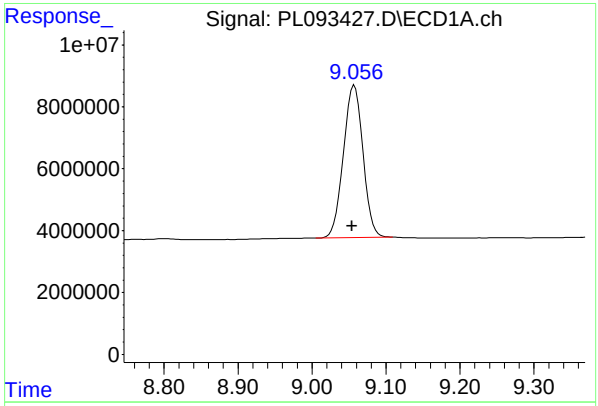
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 87871855
Conc: 48.65 ng/ml



#22 Mirex

R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 142691678
Conc: 53.11 ng/ml



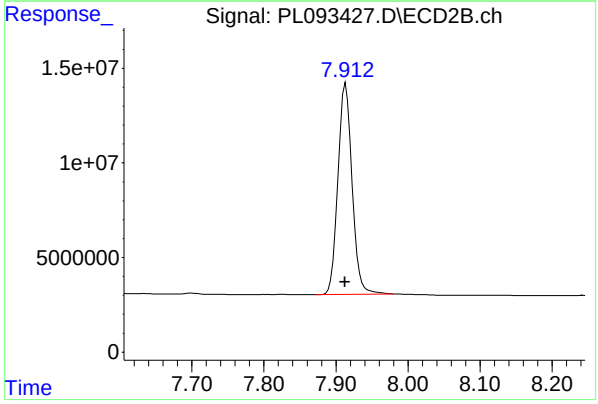
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 90518729
Conc: 52.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 151733730
Conc: 53.12 ng/ml

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/19/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	4.00	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-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	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/19/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.77	2.67	2.87	-0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.33	6.23	6.43	-0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL03 **Date Analyzed:** 12/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093431.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	50.880	50.000	1.8
4,4'-DDE	6.192	6.090	6.290	49.070	50.000	-1.9
4,4'-DDT	7.023	6.922	7.122	49.060	50.000	-1.9
Aldrin	5.257	5.155	5.355	48.730	50.000	-2.5
alpha-BHC	3.995	3.892	4.092	49.700	50.000	-0.6
alpha-Chlordane	6.018	5.916	6.116	48.480	50.000	-3.0
beta-BHC	4.526	4.423	4.623	48.620	50.000	-2.8
Decachlorobiphenyl	9.054	8.954	9.154	53.770	50.000	7.5
delta-BHC	4.773	4.670	4.870	47.800	50.000	-4.4
Dieldrin	6.344	6.242	6.442	48.640	50.000	-2.7
Endosulfan I	6.069	5.967	6.167	48.430	50.000	-3.1
Endosulfan II	6.793	6.692	6.892	49.190	50.000	-1.6
Endosulfan sulfate	7.158	7.056	7.256	49.090	50.000	-1.8
Endrin	6.574	6.472	6.672	49.990	50.000	0.0
Endrin aldehyde	6.923	6.822	7.022	48.740	50.000	-2.5
Endrin ketone	7.643	7.542	7.742	50.740	50.000	1.5
gamma-BHC (Lindane)	4.328	4.225	4.425	49.720	50.000	-0.6
gamma-Chlordane	5.939	5.838	6.038	48.470	50.000	-3.1
Heptachlor	4.916	4.813	5.013	48.430	50.000	-3.1
Heptachlor epoxide	5.684	5.581	5.781	47.780	50.000	-4.4
Methoxychlor	7.499	7.398	7.598	51.230	50.000	2.5
Tetrachloro-m-xylene	3.539	3.436	3.636	48.980	50.000	-2.0

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL03 **Date Analyzed:** 12/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093431.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.786	5.685	5.885	53.350	50.000	6.7
4,4'-DDE	5.231	5.130	5.330	52.850	50.000	5.7
4,4'-DDT	6.036	5.935	6.135	53.350	50.000	6.7
Aldrin	4.226	4.125	4.325	52.770	50.000	5.5
alpha-BHC	3.278	3.176	3.376	53.070	50.000	6.1
alpha-Chlordane	5.042	4.941	5.141	52.590	50.000	5.2
beta-BHC	3.908	3.807	4.007	51.740	50.000	3.5
Decachlorobiphenyl	7.912	7.812	8.012	54.270	50.000	8.5
delta-BHC	4.137	4.035	4.235	51.930	50.000	3.9
Dieldrin	5.363	5.262	5.462	53.310	50.000	6.6
Endosulfan I	5.098	4.997	5.197	52.750	50.000	5.5
Endosulfan II	5.933	5.832	6.032	53.870	50.000	7.7
Endosulfan sulfate	6.335	6.234	6.434	53.090	50.000	6.2
Endrin	5.638	5.537	5.737	54.550	50.000	9.1
Endrin aldehyde	6.112	6.011	6.211	52.440	50.000	4.9
Endrin ketone	6.840	6.739	6.939	55.650	50.000	11.3
gamma-BHC (Lindane)	3.608	3.506	3.706	52.970	50.000	5.9
gamma-Chlordane	4.979	4.878	5.078	52.310	50.000	4.6
Heptachlor	3.946	3.845	4.045	52.770	50.000	5.5
Heptachlor epoxide	4.728	4.628	4.828	52.660	50.000	5.3
Methoxychlor	6.611	6.510	6.710	53.250	50.000	6.5
Tetrachloro-m-xylene	2.776	2.674	2.874	52.280	50.000	4.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	127.3E6	150.8E6	48.979	52.282
28)	SA Decachlor...	9.054	7.912	93474762	155.0E6	53.766	54.274
	Target Compounds						
2)	A alpha-BHC	3.995	3.278	177.3E6	226.6E6	49.696	53.070
3)	MA gamma-BHC...	4.328	3.608	168.0E6	219.3E6	49.718	52.971
4)	MA Heptachlor	4.916	3.946	148.0E6	213.5E6	48.429	52.767
5)	MB Aldrin	5.257	4.226	146.5E6	209.9E6	48.728	52.766
6)	B beta-BHC	4.526	3.908	73408124	92031462	48.623	51.736
7)	B delta-BHC	4.773	4.137	158.1E6	221.5E6	47.797	51.925
8)	B Heptachlo...	5.684	4.728	132.7E6	191.8E6	47.779	52.664
9)	A Endosulfan I	6.069	5.098	117.9E6	176.3E6	48.430	52.749
10)	B gamma-Chl...	5.939	4.979	124.9E6	193.8E6	48.466	52.315
11)	B alpha-Chl...	6.018	5.042	125.6E6	190.9E6	48.484	52.585
12)	B 4,4'-DDE	6.192	5.231	114.8E6	189.2E6	49.072	52.854
13)	MA Dieldrin	6.344	5.363	124.7E6	196.5E6	48.636	53.315
14)	MA Endrin	6.574	5.638	104.9E6	174.0E6	49.991	54.551
15)	B Endosulfa...	6.793	5.933	107.3E6	170.7E6	49.191	53.869
16)	A 4,4'-DDD	6.709	5.786	93219750	149.6E6	50.876	53.354
17)	MA 4,4'-DDT	7.023	6.036	94570014	158.0E6	49.055	53.355
18)	B Endrin al...	6.923	6.112	88054958	137.5E6	48.740	52.437
19)	B Endosulfa...	7.158	6.335	101.8E6	161.4E6	49.094	53.092
20)	A Methoxychlor	7.499	6.611	53529365	81315600	51.230	53.254
21)	B Endrin ke...	7.643	6.840	115.1E6	186.8E6	50.739	55.654
22)	Mirex	8.116	7.020	92642172	150.3E6	51.290	55.960

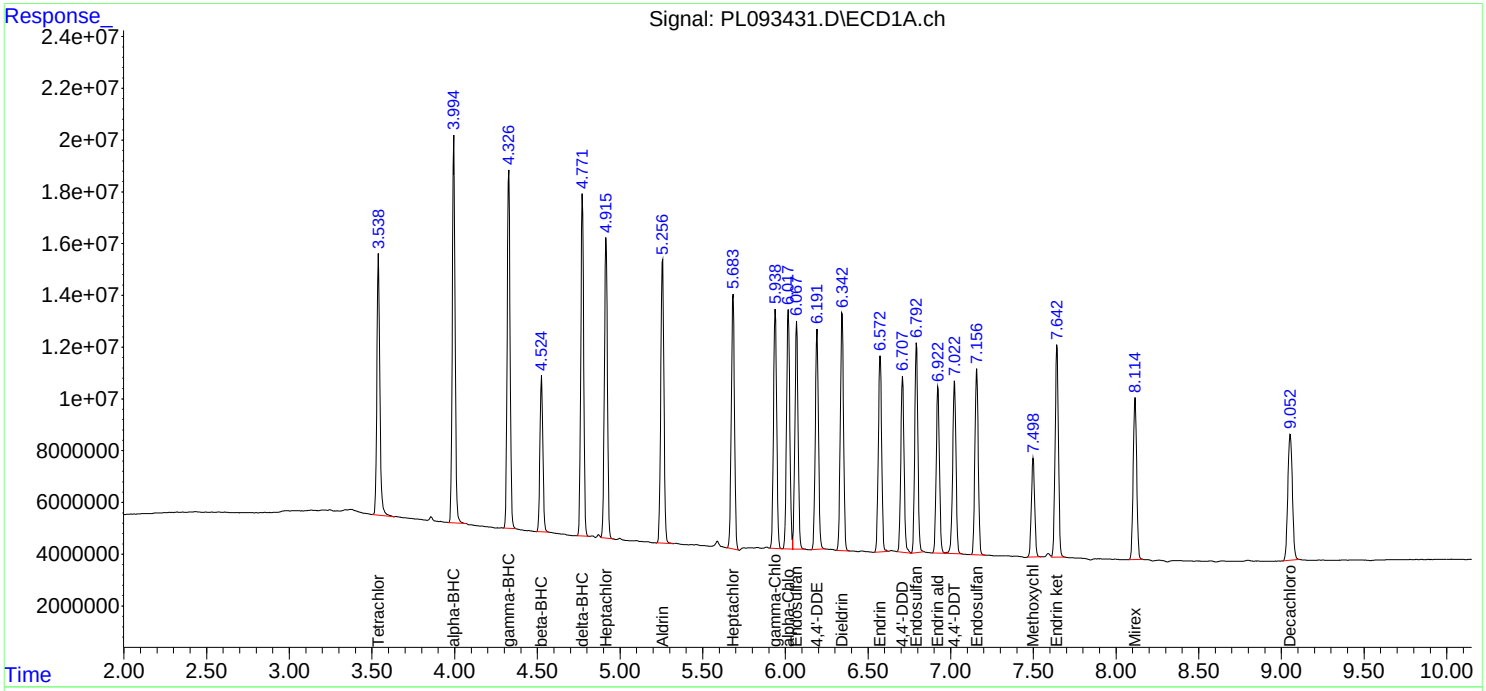
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

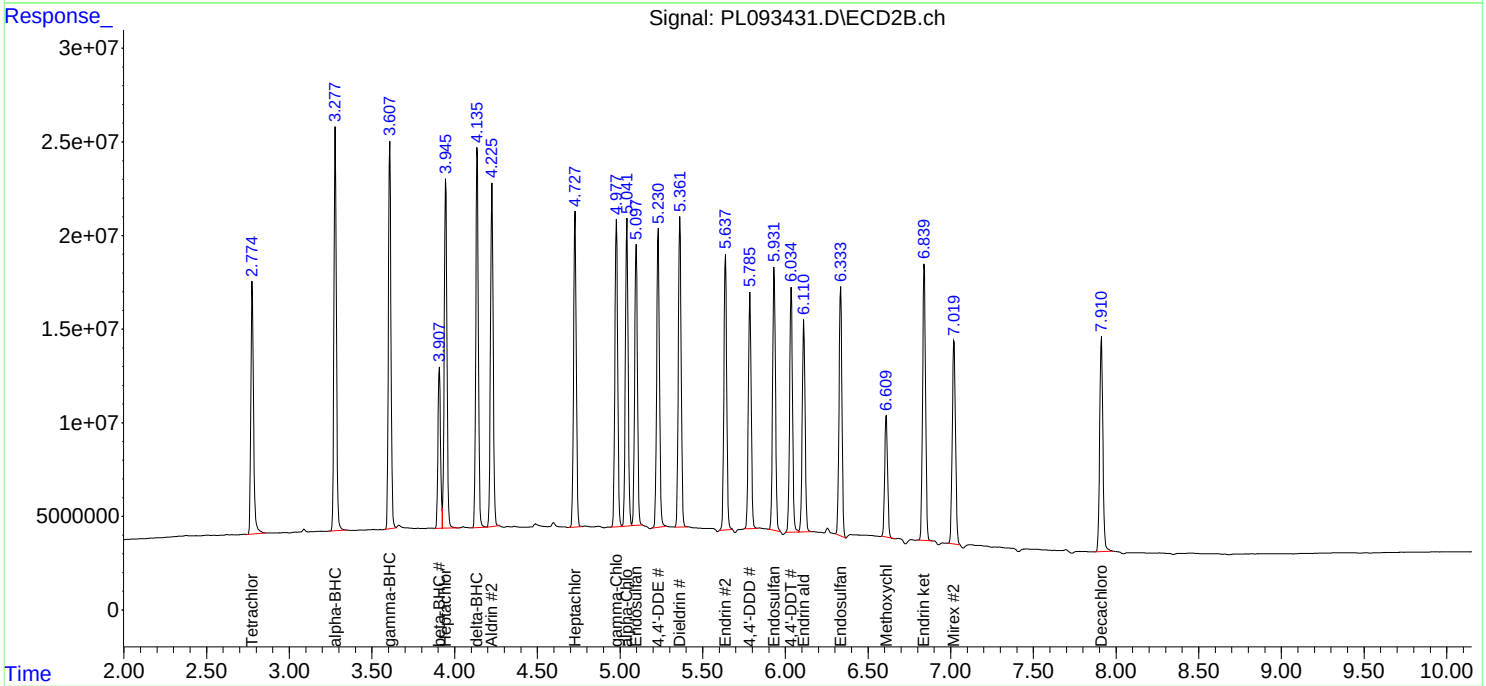
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

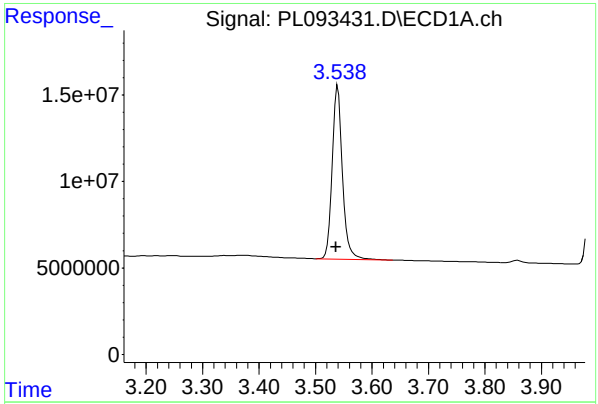
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



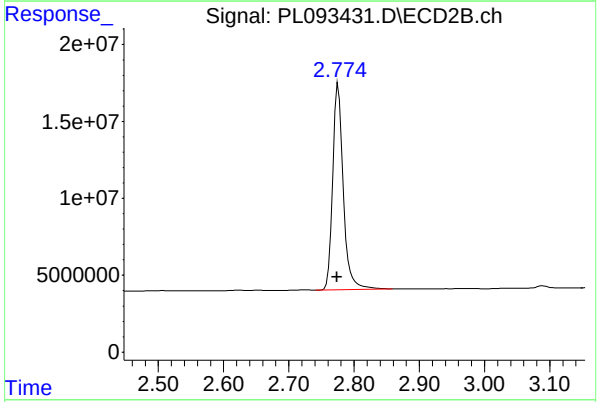




#1 Tetrachloro-m-xylene

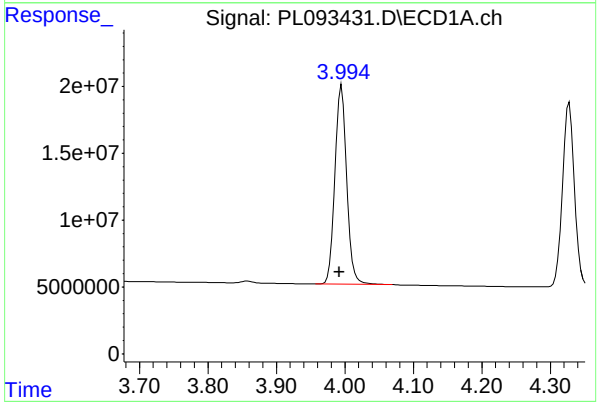
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 127294381
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



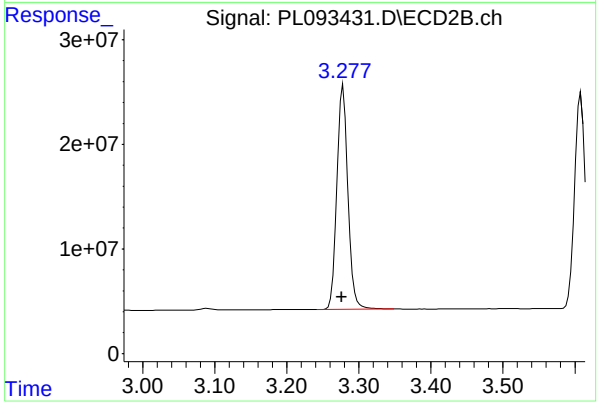
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 150782463
Conc: 52.28 ng/ml



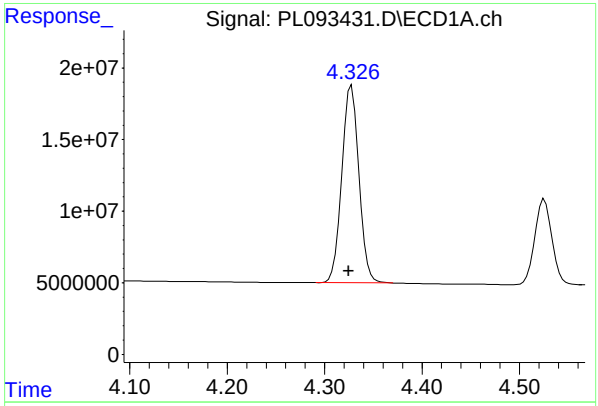
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 177336315
Conc: 49.70 ng/ml



#2 alpha-BHC

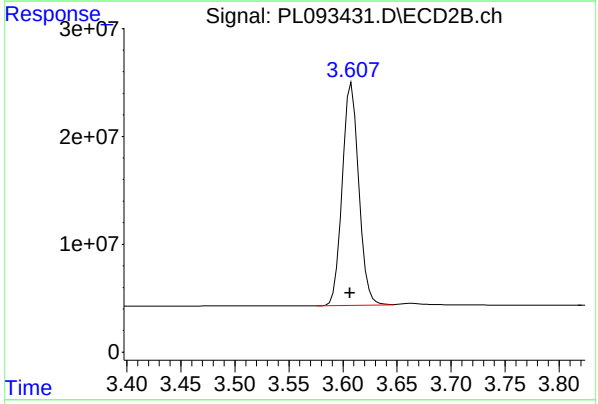
R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 226577283
Conc: 53.07 ng/ml



#3 gamma-BHC (Lindane)

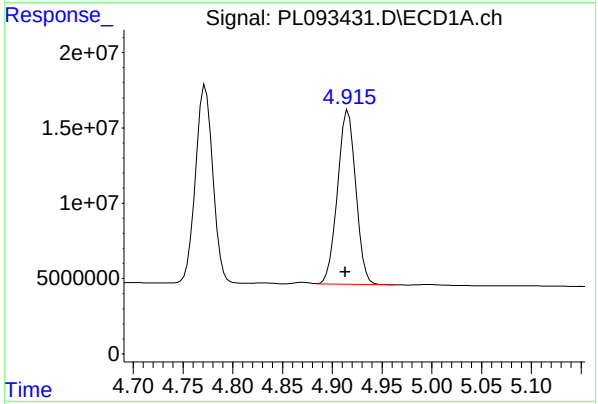
R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 167980016
Conc: 49.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



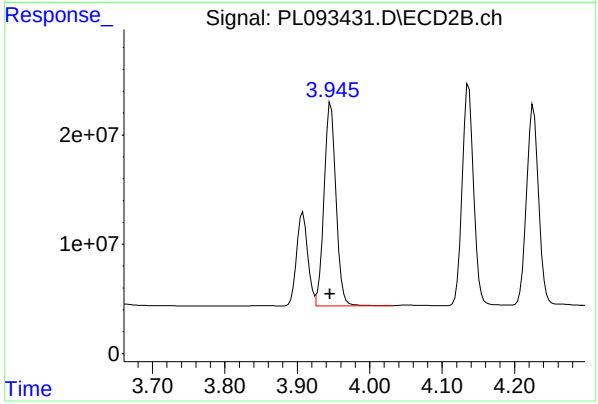
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 219285748
Conc: 52.97 ng/ml



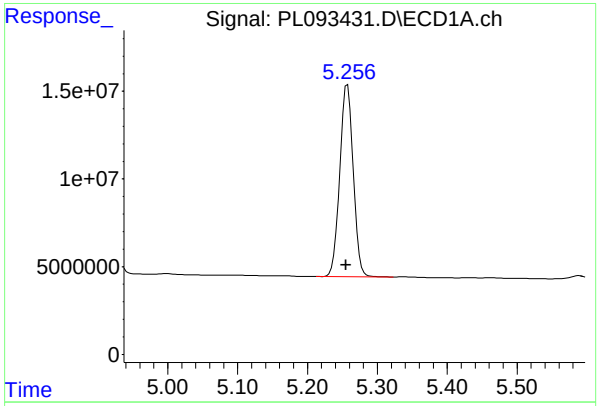
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 148004827
Conc: 48.43 ng/ml



#4 Heptachlor

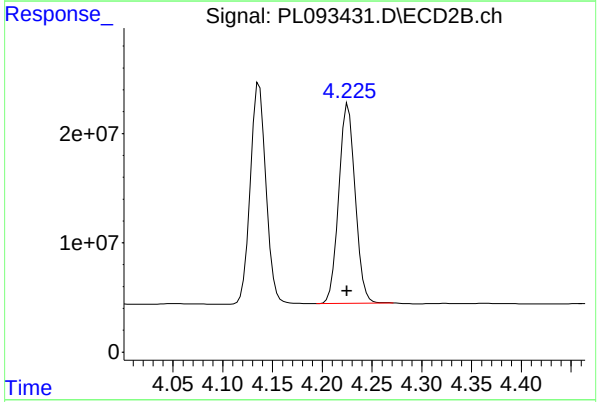
R.T.: 3.946 min
Delta R.T.: 0.001 min
Response: 213471859
Conc: 52.77 ng/ml



#5 Aldrin

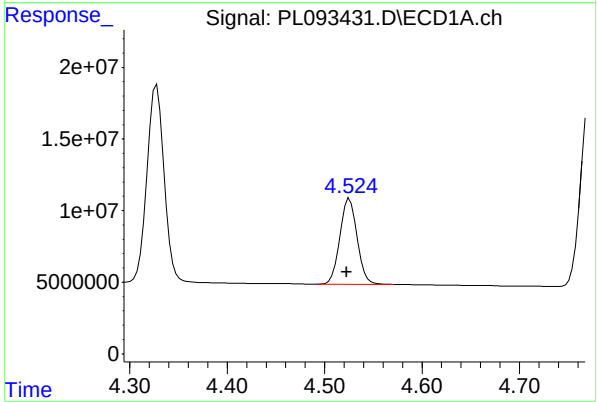
R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 146532207
Conc: 48.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



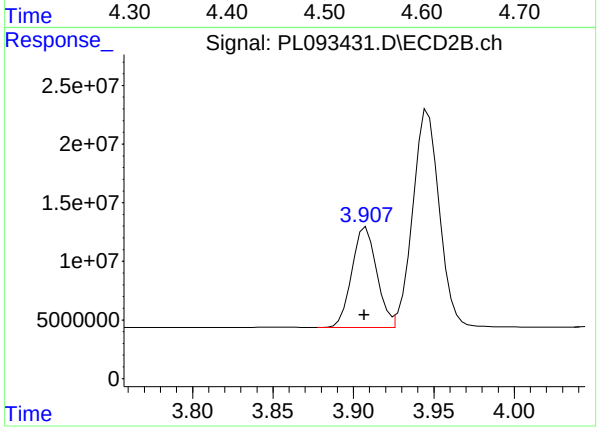
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.001 min
Response: 209948421
Conc: 52.77 ng/ml



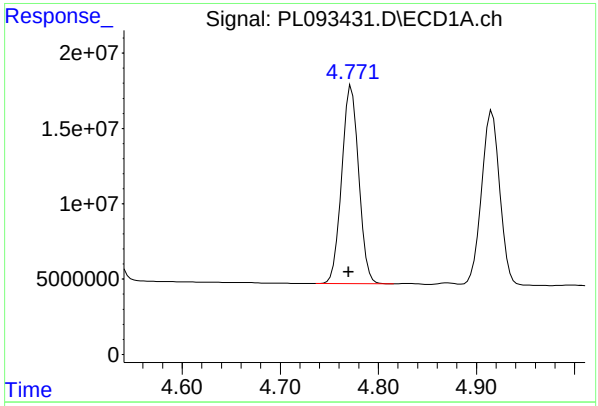
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 73408124
Conc: 48.62 ng/ml



#6 beta-BHC

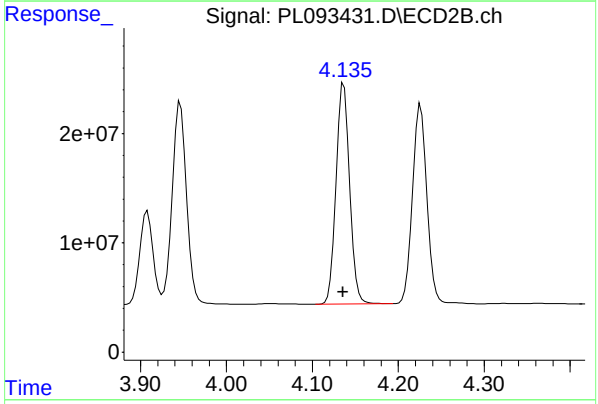
R.T.: 3.908 min
Delta R.T.: 0.001 min
Response: 92031462
Conc: 51.74 ng/ml



#7 delta-BHC

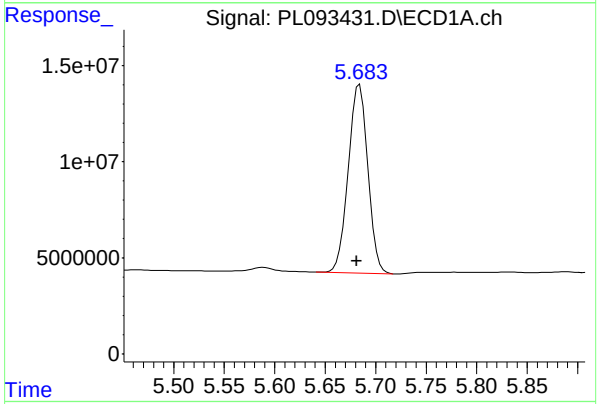
R.T.: 4.773 min
Delta R.T.: 0.003 min
Response: 158141846
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



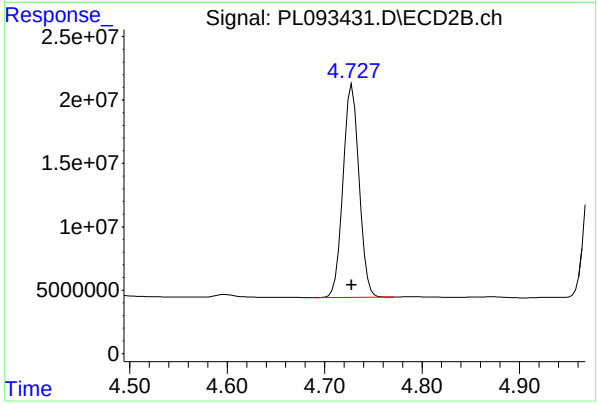
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.001 min
Response: 221539677
Conc: 51.93 ng/ml



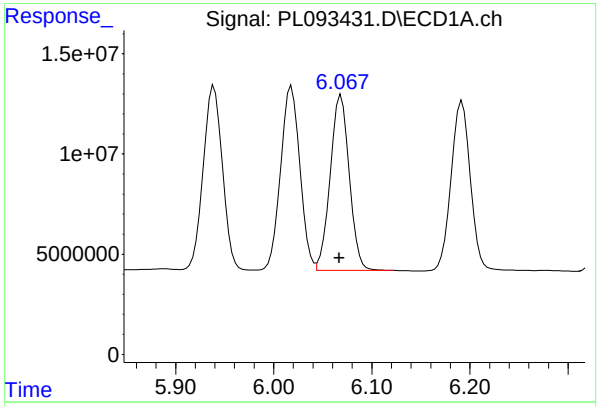
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 132666771
Conc: 47.78 ng/ml



#8 Heptachlor epoxide

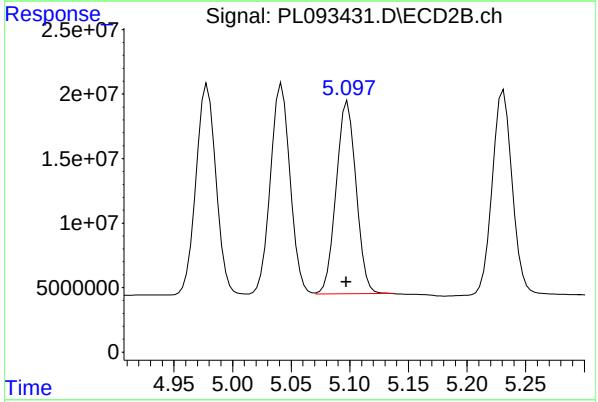
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 191810264
Conc: 52.66 ng/ml



#9 Endosulfan I

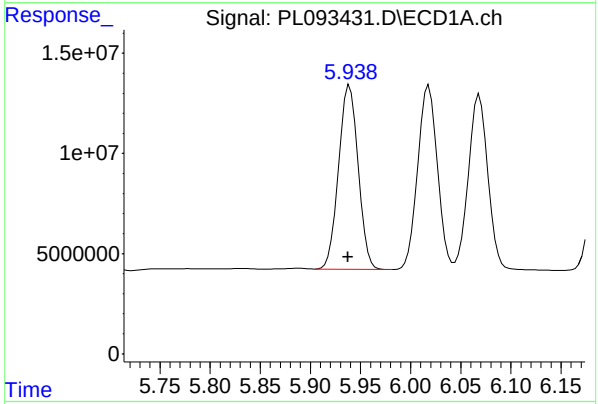
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 117887395
Conc: 48.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



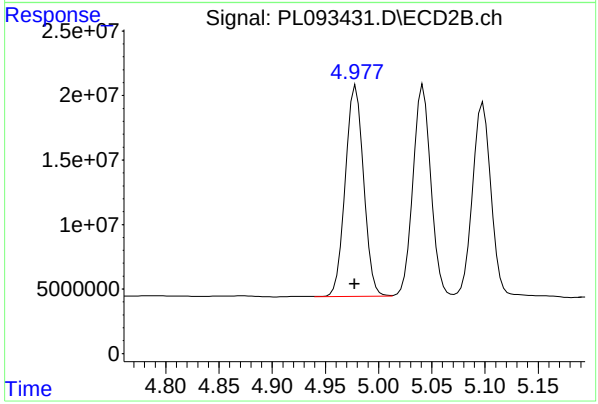
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 176336766
Conc: 52.75 ng/ml



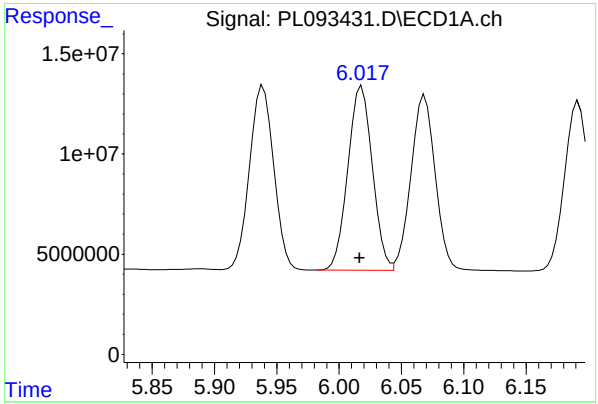
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.002 min
Response: 124866408
Conc: 48.47 ng/ml



#10 gamma-Chlordane

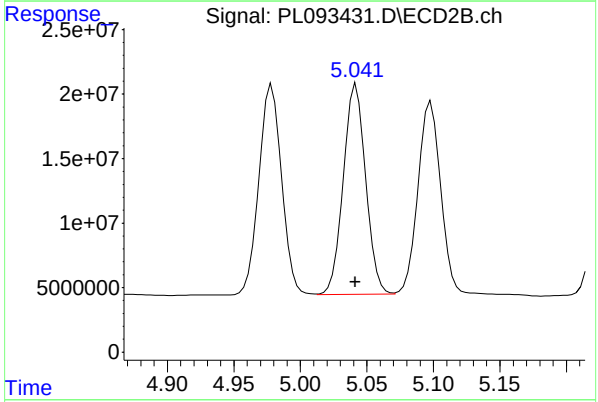
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 193831560
Conc: 52.31 ng/ml



#11 alpha-Chlordane

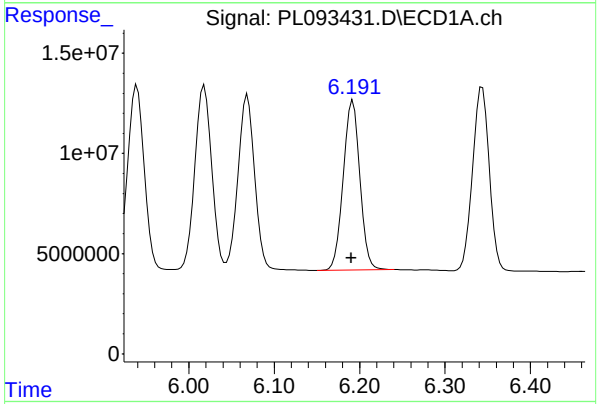
R.T.: 6.018 min
Delta R.T.: 0.002 min
Response: 125625885
Conc: 48.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



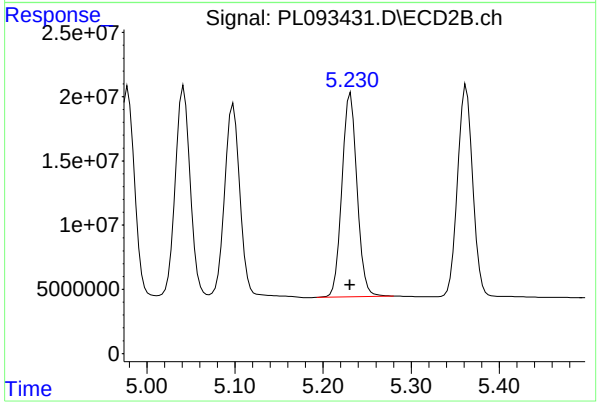
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 190898611
Conc: 52.59 ng/ml



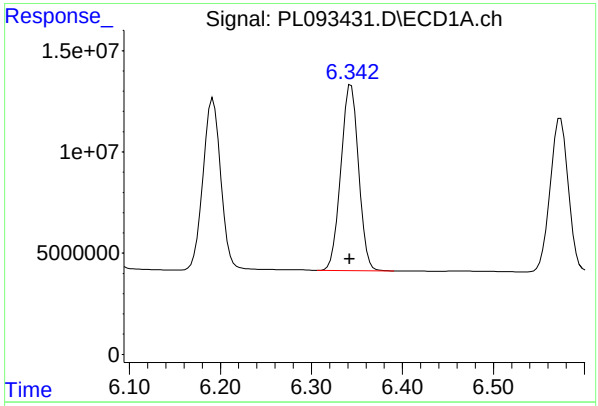
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 114795026
Conc: 49.07 ng/ml



#12 4,4'-DDE

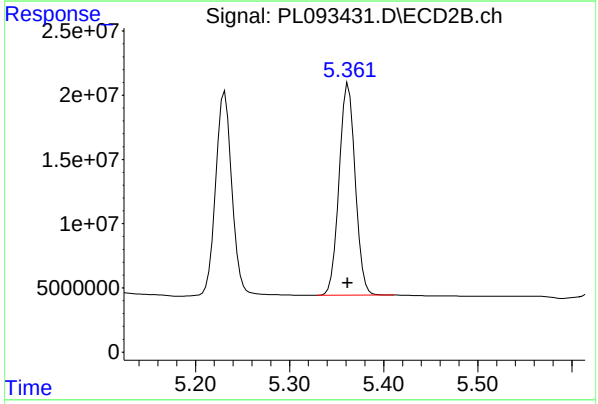
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 189217113
Conc: 52.85 ng/ml



#13 Dieldrin

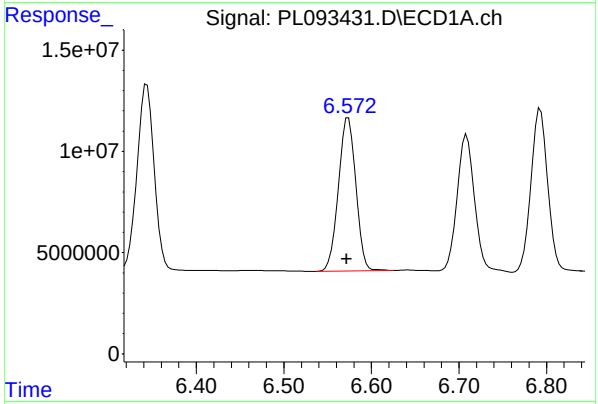
R.T.: 6.344 min
Delta R.T.: 0.002 min
Response: 124661321
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



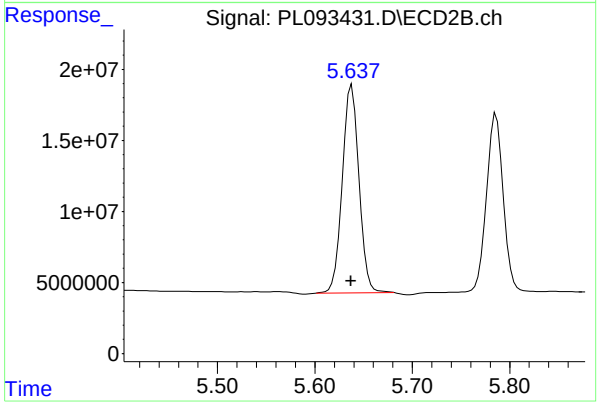
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.000 min
Response: 196492271
Conc: 53.31 ng/ml



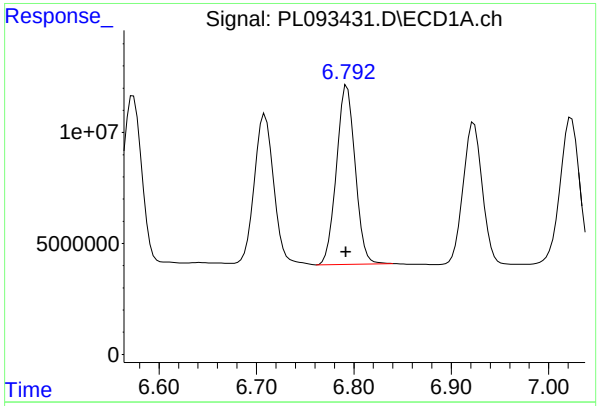
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 104854763
Conc: 49.99 ng/ml



#14 Endrin

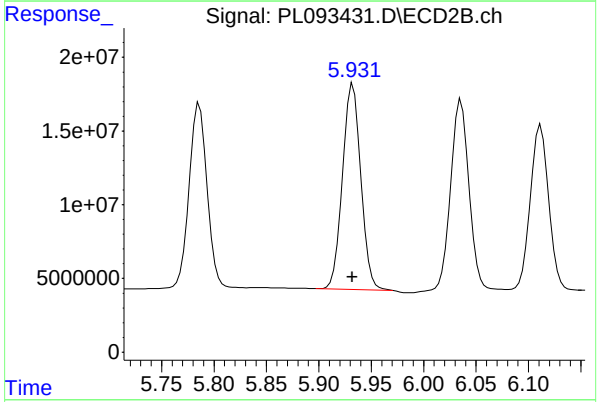
R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 173978673
Conc: 54.55 ng/ml



#15 Endosulfan II

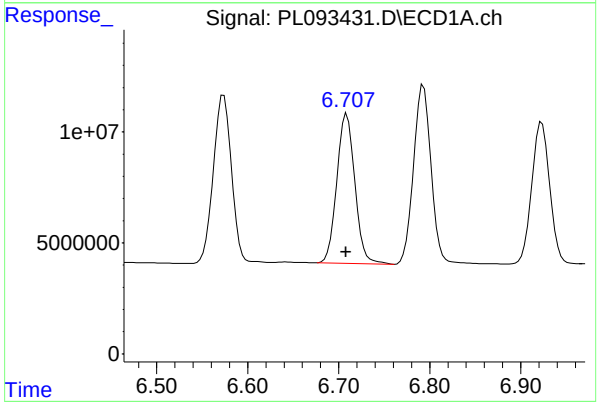
R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 107259720
Conc: 49.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



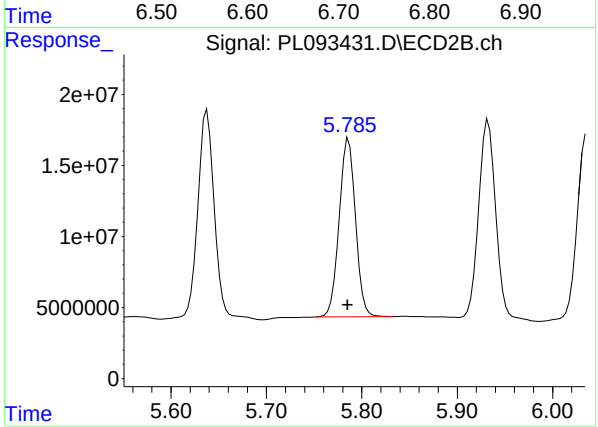
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 170709484
Conc: 53.87 ng/ml



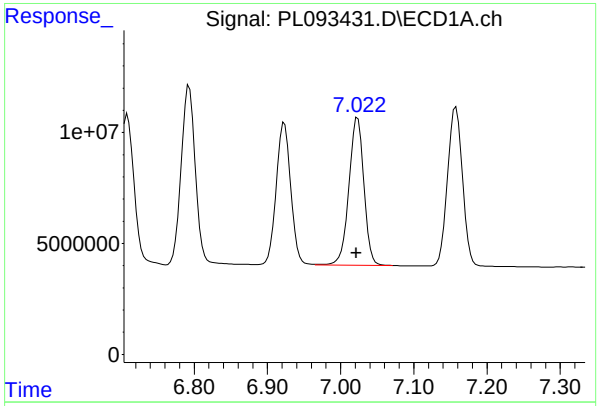
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 93219750
Conc: 50.88 ng/ml



#16 4,4'-DDD

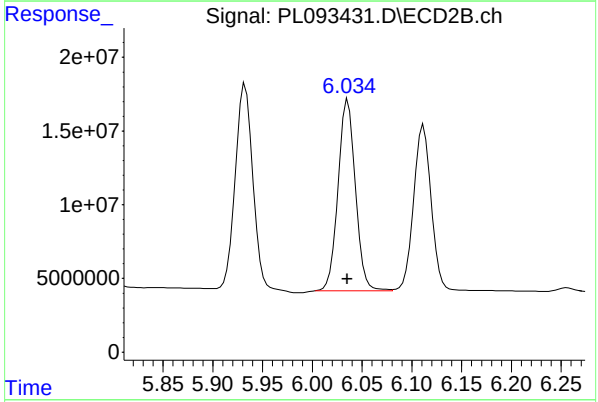
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 149574704
Conc: 53.35 ng/ml



#17 4,4'-DDT

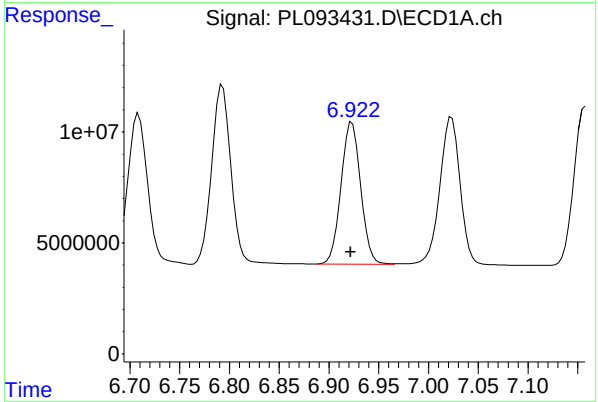
R.T.: 7.023 min
Delta R.T.: 0.002 min
Response: 94570014
Conc: 49.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



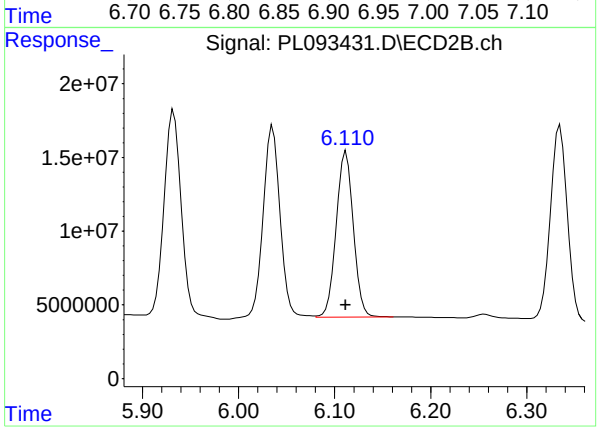
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 158024477
Conc: 53.35 ng/ml



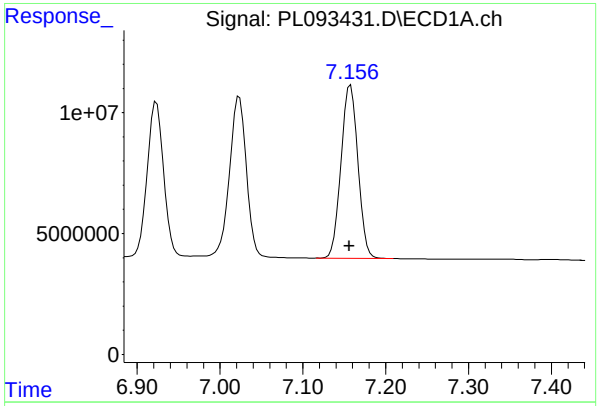
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.001 min
Response: 88054958
Conc: 48.74 ng/ml



#18 Endrin aldehyde

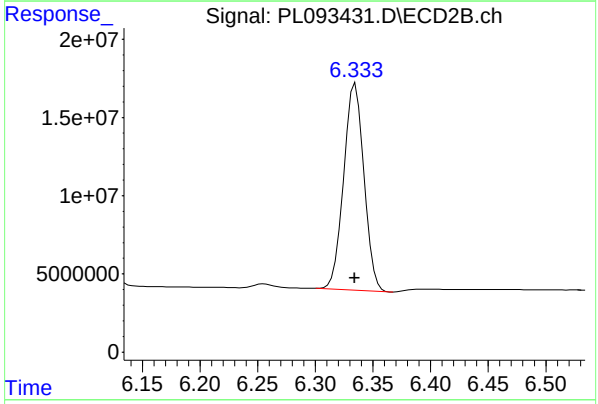
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 137507653
Conc: 52.44 ng/ml



#19 Endosulfan Sulfate

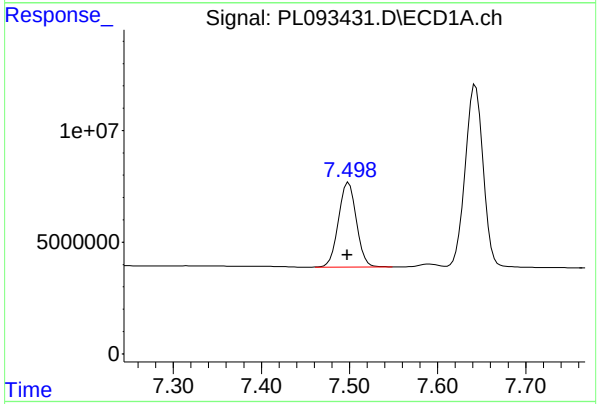
R.T.: 7.158 min
Delta R.T.: 0.001 min
Response: 101756807
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



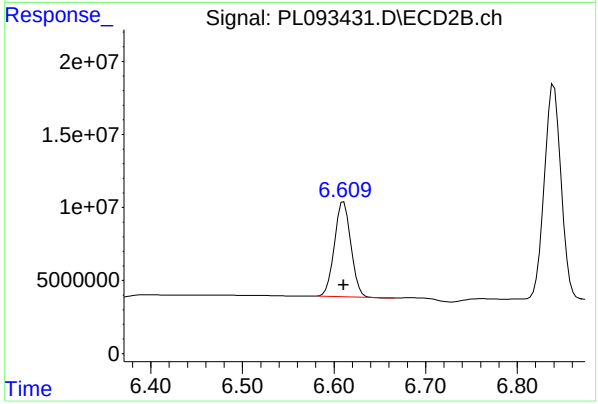
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.000 min
Response: 161380722
Conc: 53.09 ng/ml



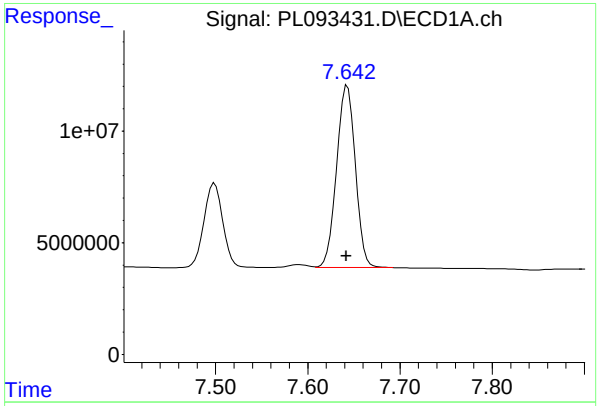
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 53529365
Conc: 51.23 ng/ml



#20 Methoxychlor

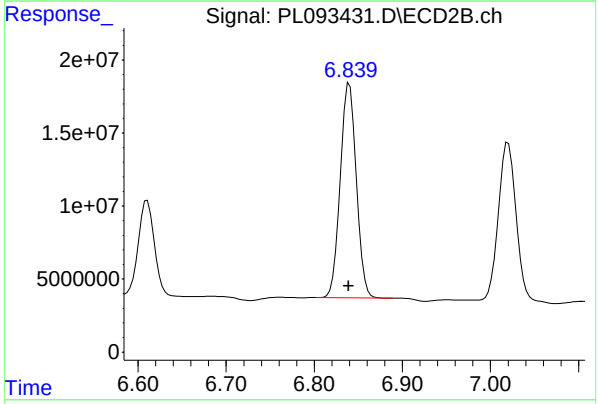
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 81315600
Conc: 53.25 ng/ml



#21 Endrin ketone

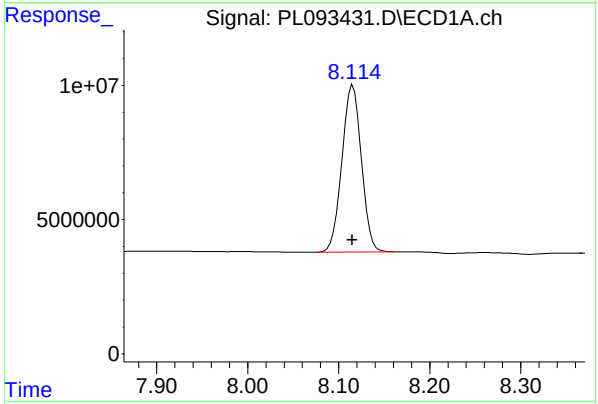
R.T.: 7.643 min
Delta R.T.: 0.001 min
Response: 115139876
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



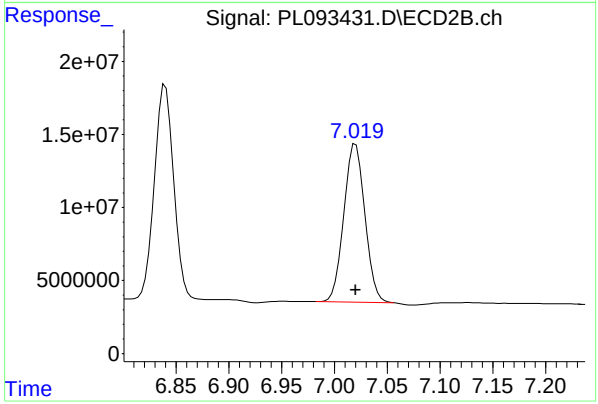
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 186832670
Conc: 55.65 ng/ml



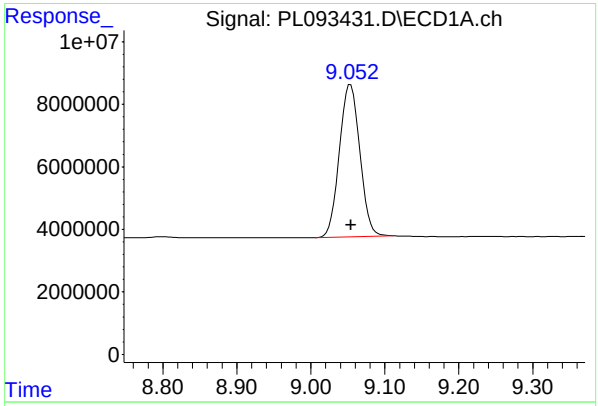
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 92642172
Conc: 51.29 ng/ml



#22 Mirex

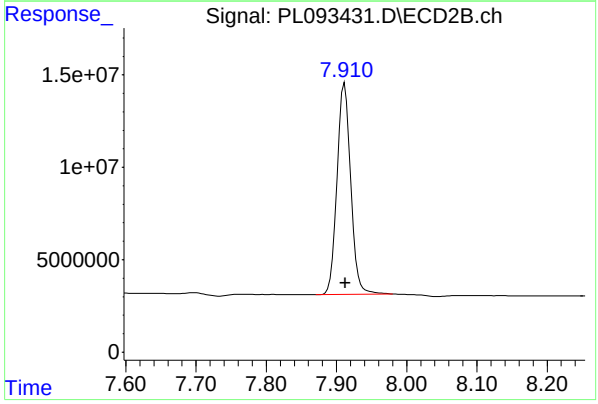
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 150338430
Conc: 55.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 93474762
Conc: 53.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 155032189
Conc: 54.27 ng/ml

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/19/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 17:07 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	4.00	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-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	0.00
Heptachlor	4.92	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Continuing Calib Date: 12/19/2024 **Initial Calibration Date(s):** 11/25/2024 11/25/2024

Continuing Calib Time: 17:07 **Initial Calibration Time(s):** 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.77	2.67	2.87	-0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.01
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL04 **Date Analyzed:** 12/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093442.D **Time Analyzed:** 17:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	52.090	50.000	4.2
4,4'-DDE	6.192	6.090	6.290	49.900	50.000	-0.2
4,4'-DDT	7.022	6.922	7.122	48.780	50.000	-2.4
Aldrin	5.257	5.155	5.355	49.220	50.000	-1.6
alpha-BHC	3.995	3.892	4.092	50.150	50.000	0.3
alpha-Chlordane	6.018	5.916	6.116	49.240	50.000	-1.5
beta-BHC	4.525	4.423	4.623	49.130	50.000	-1.7
Decachlorobiphenyl	9.052	8.954	9.154	54.190	50.000	8.4
delta-BHC	4.772	4.670	4.870	48.290	50.000	-3.4
Dieldrin	6.343	6.242	6.442	49.400	50.000	-1.2
Endosulfan I	6.069	5.967	6.167	49.070	50.000	-1.9
Endosulfan II	6.793	6.692	6.892	50.060	50.000	0.1
Endosulfan sulfate	7.157	7.056	7.256	49.810	50.000	-0.4
Endrin	6.573	6.472	6.672	50.580	50.000	1.2
Endrin aldehyde	6.923	6.822	7.022	49.560	50.000	-0.9
Endrin ketone	7.642	7.542	7.742	51.700	50.000	3.4
gamma-BHC (Lindane)	4.327	4.225	4.425	50.210	50.000	0.4
gamma-Chlordane	5.939	5.838	6.038	49.370	50.000	-1.3
Heptachlor	4.915	4.813	5.013	48.700	50.000	-2.6
Heptachlor epoxide	5.683	5.581	5.781	48.290	50.000	-3.4
Methoxychlor	7.498	7.398	7.598	50.670	50.000	1.3
Tetrachloro-m-xylene	3.539	3.436	3.636	49.570	50.000	-0.9

Alliance TECHNICAL GROUP

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.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No.: CCAL04 **Date Analyzed:** 12/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093442.D **Time Analyzed:** 17:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.785	5.685	5.885	54.450	50.000	8.9
4,4'-DDE	5.231	5.130	5.330	52.840	50.000	5.7
4,4'-DDT	6.035	5.935	6.135	51.460	50.000	2.9
Aldrin	4.225	4.125	4.325	52.800	50.000	5.6
alpha-BHC	3.278	3.176	3.376	53.090	50.000	6.2
alpha-Chlordane	5.042	4.941	5.141	52.730	50.000	5.5
beta-BHC	3.908	3.807	4.007	51.610	50.000	3.2
Decachlorobiphenyl	7.910	7.812	8.012	56.610	50.000	13.2
delta-BHC	4.136	4.035	4.235	51.890	50.000	3.8
Dieldrin	5.362	5.262	5.462	53.180	50.000	6.4
Endosulfan I	5.098	4.997	5.197	52.880	50.000	5.8
Endosulfan II	5.932	5.832	6.032	53.730	50.000	7.5
Endosulfan sulfate	6.334	6.234	6.434	53.410	50.000	6.8
Endrin	5.637	5.537	5.737	53.600	50.000	7.2
Endrin aldehyde	6.111	6.011	6.211	52.080	50.000	4.2
Endrin ketone	6.839	6.739	6.939	56.580	50.000	13.2
gamma-BHC (Lindane)	3.607	3.506	3.706	52.840	50.000	5.7
gamma-Chlordane	4.978	4.878	5.078	52.430	50.000	4.9
Heptachlor	3.946	3.845	4.045	52.260	50.000	4.5
Heptachlor epoxide	4.728	4.628	4.828	52.780	50.000	5.6
Methoxychlor	6.610	6.510	6.710	52.840	50.000	5.7
Tetrachloro-m-xylene	2.775	2.674	2.874	52.370	50.000	4.7

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 17:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:53:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	128.8E6	151.0E6	49.565	52.369
28)	SA Decachlor...	9.052	7.910	94217814	161.7E6	54.194	56.609
	Target Compounds						
2)	A alpha-BHC	3.995	3.278	179.0E6	226.7E6	50.154	53.089
3)	MA gamma-BHC...	4.327	3.607	169.7E6	218.8E6	50.215	52.844
4)	MA Heptachlor	4.915	3.946	148.8E6	211.4E6	48.697	52.263
5)	MB Aldrin	5.257	4.225	148.0E6	210.1E6	49.216	52.798
6)	B beta-BHC	4.525	3.908	74174702	91814856	49.131	51.614
7)	B delta-BHC	4.772	4.136	159.8E6	221.4E6	48.286	51.886
8)	B Heptachlo...	5.683	4.728	134.1E6	192.2E6	48.289	52.782
9)	A Endosulfan I	6.069	5.098	119.5E6	176.8E6	49.073	52.878
10)	B gamma-Chl...	5.939	4.978	127.2E6	194.2E6	49.370	52.426
11)	B alpha-Chl...	6.018	5.042	127.6E6	191.4E6	49.238	52.734
12)	B 4,4'-DDE	6.192	5.231	116.7E6	189.2E6	49.904	52.845
13)	MA Dieldrin	6.343	5.362	126.6E6	196.0E6	49.401	53.178
14)	MA Endrin	6.573	5.637	106.1E6	170.9E6	50.579	53.598
15)	B Endosulfa...	6.793	5.932	109.2E6	170.3E6	50.058	53.725
16)	A 4,4'-DDD	6.709	5.785	95452333	152.6E6	52.095	54.446
17)	MA 4,4'-DDT	7.022	6.035	94039064	152.4E6	48.780	51.456
18)	B Endrin al...	6.923	6.111	89537357	136.6E6	49.561	52.075
19)	B Endosulfa...	7.157	6.334	103.2E6	162.4E6	49.808	53.413
20)	A Methoxychlor	7.498	6.610	52942088	80689690	50.668	52.844
21)	B Endrin ke...	7.642	6.839	117.3E6	189.9E6	51.695	56.579
22)	Mirex	8.115	7.019	93185961	150.5E6	51.591	56.005

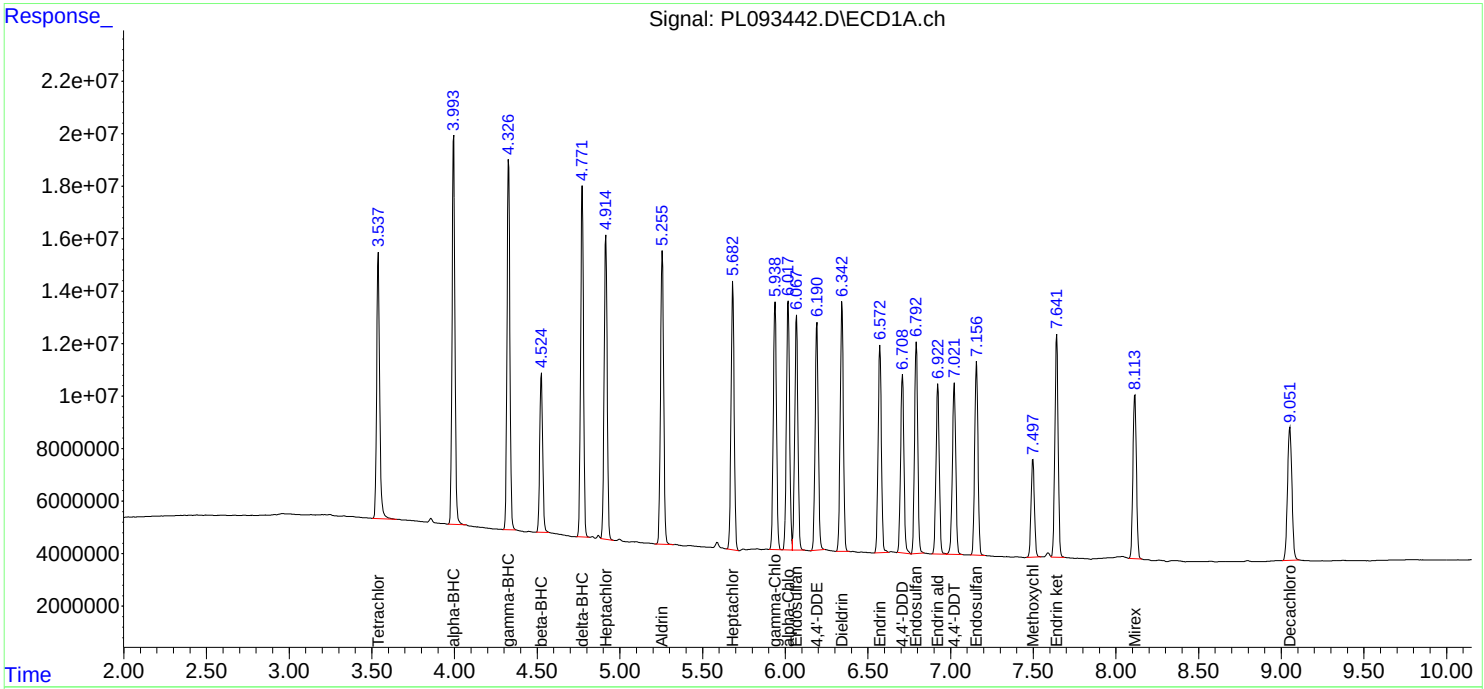
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

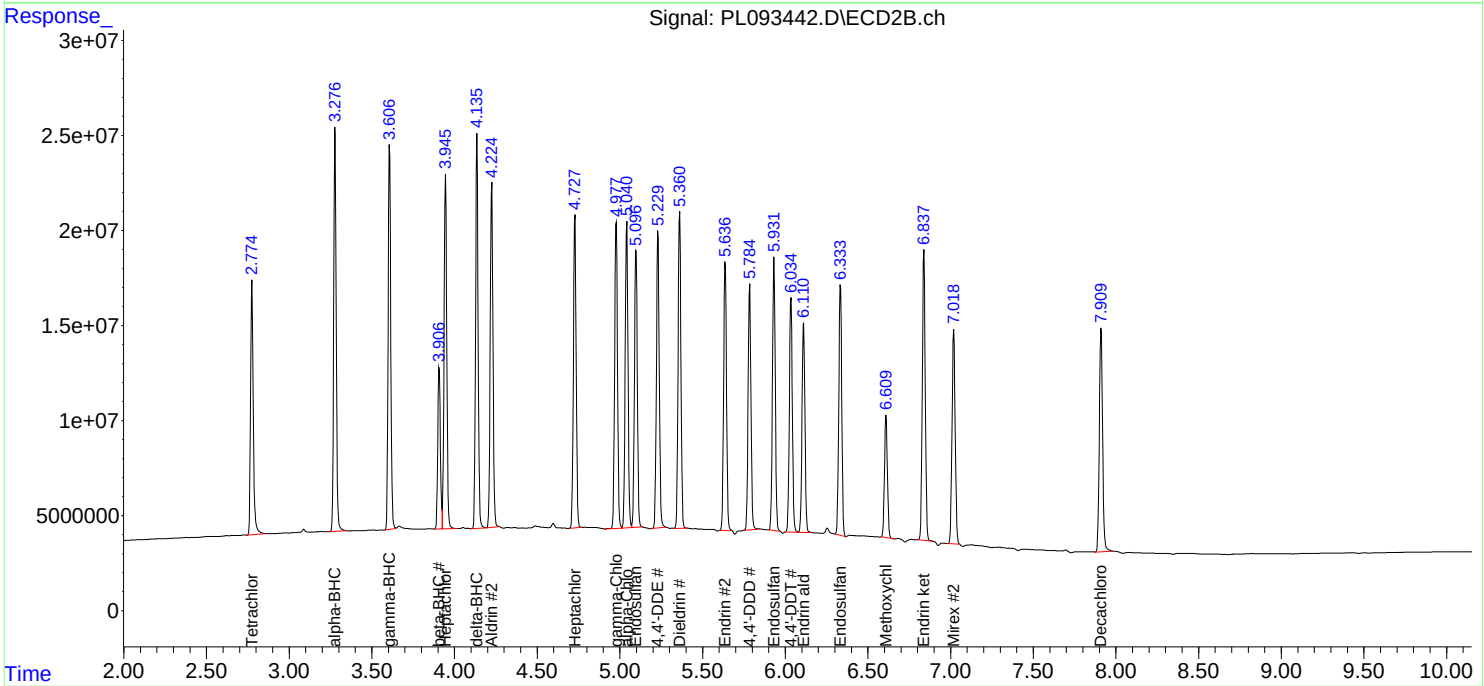
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 17:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

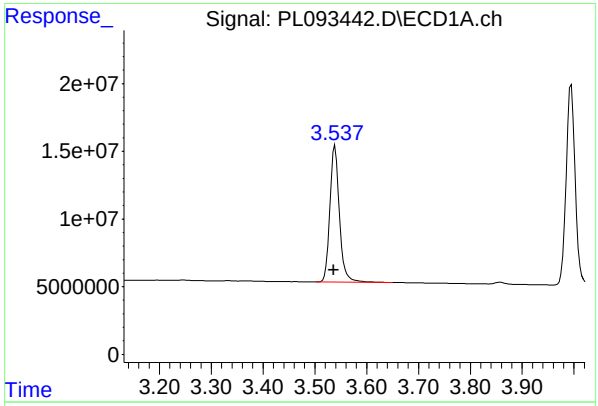
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:53:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



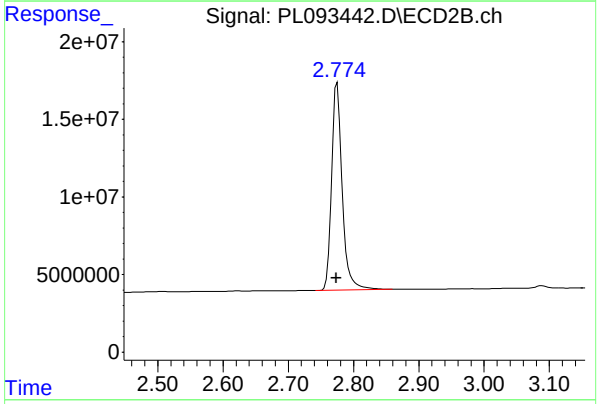




#1 Tetrachloro-m-xylene

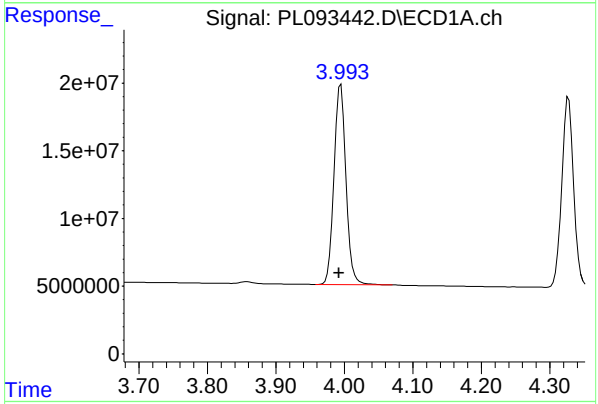
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 128818072
Conc: 49.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



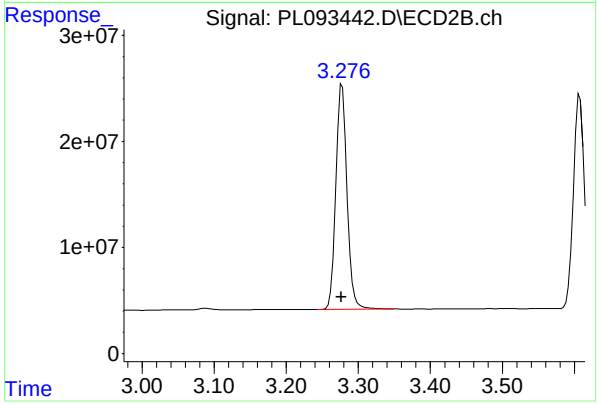
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.001 min
Response: 151033727
Conc: 52.37 ng/ml



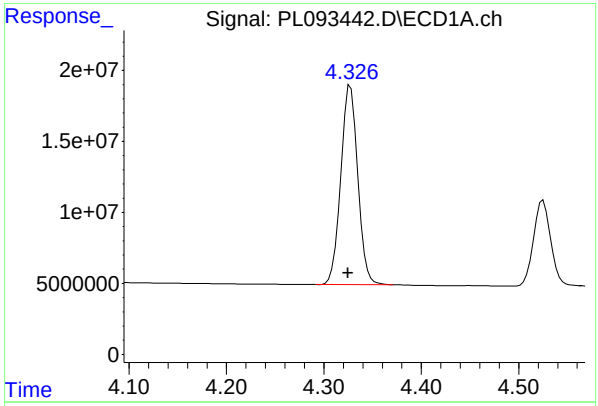
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 178971549
Conc: 50.15 ng/ml



#2 alpha-BHC

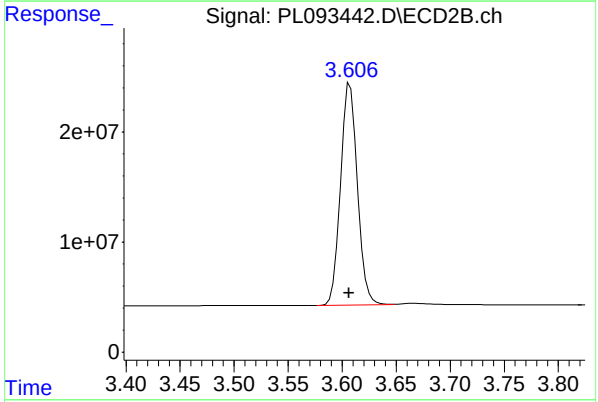
R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 226660830
Conc: 53.09 ng/ml



#3 gamma-BHC (Lindane)

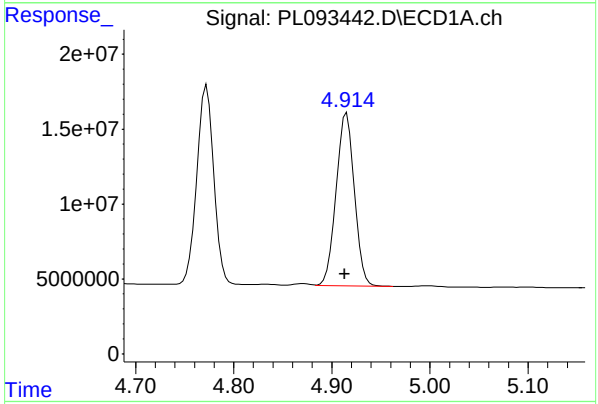
R.T.: 4.327 min
Delta R.T.: 0.003 min
Response: 169659367
Conc: 50.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



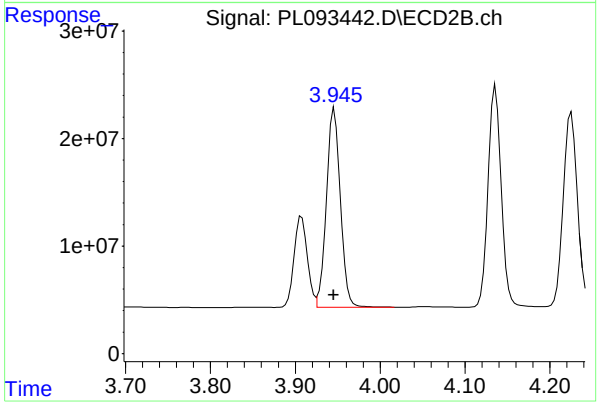
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.001 min
Response: 218762201
Conc: 52.84 ng/ml



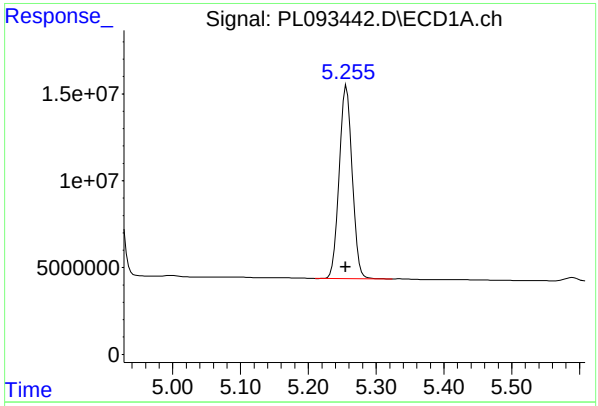
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.002 min
Response: 148823413
Conc: 48.70 ng/ml



#4 Heptachlor

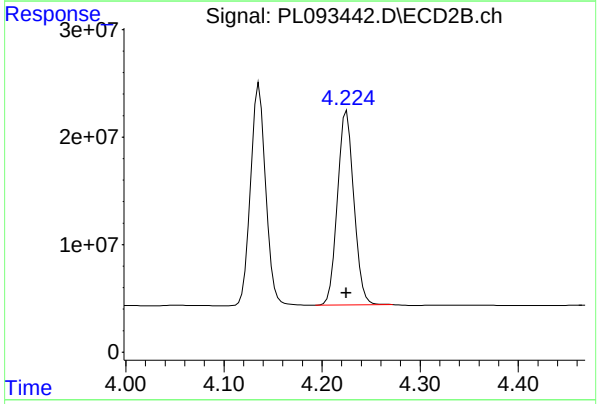
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 211431268
Conc: 52.26 ng/ml



#5 Aldrin

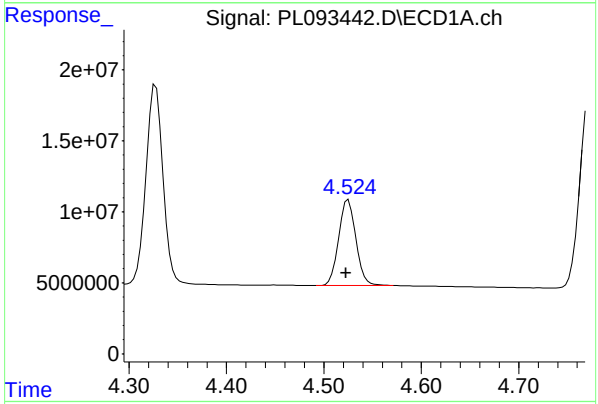
R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 148001704
Conc: 49.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



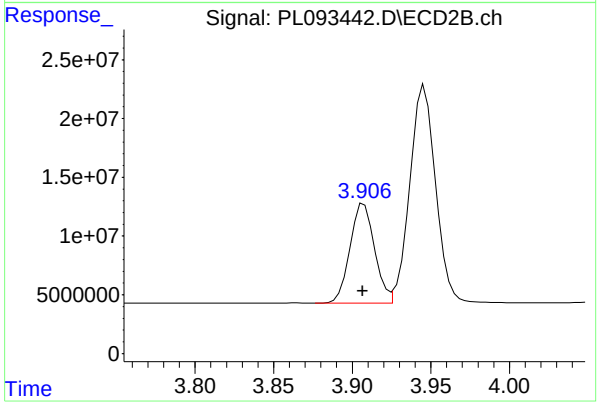
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 210075400
Conc: 52.80 ng/ml



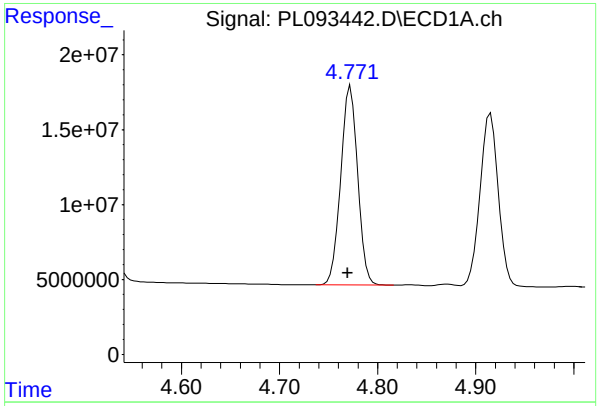
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 74174702
Conc: 49.13 ng/ml



#6 beta-BHC

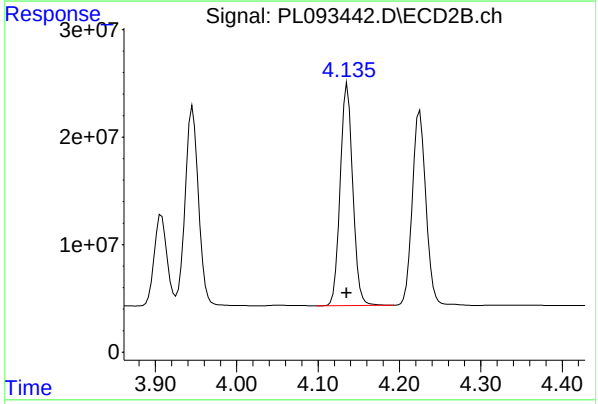
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 91814856
Conc: 51.61 ng/ml



#7 delta-BHC

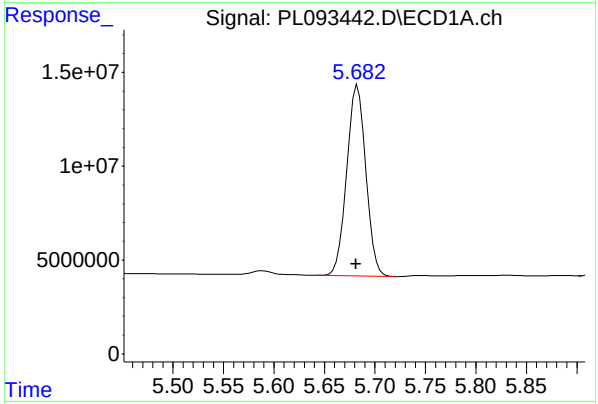
R.T.: 4.772 min
Delta R.T.: 0.003 min
Response: 159761214
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



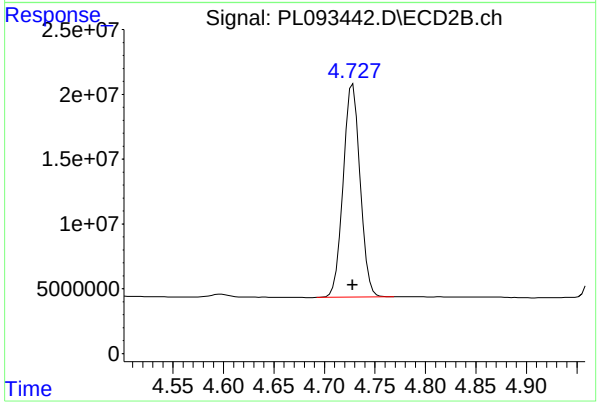
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 221373065
Conc: 51.89 ng/ml



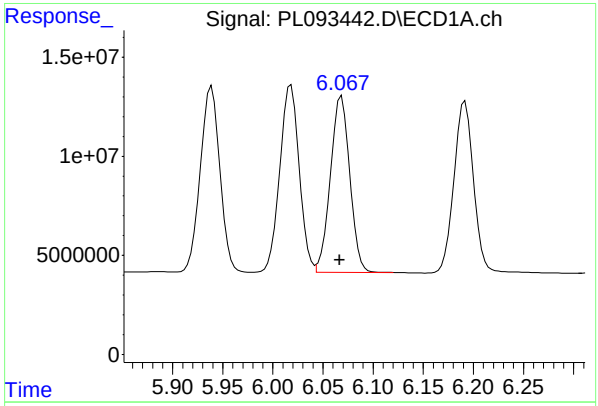
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.002 min
Response: 134084271
Conc: 48.29 ng/ml



#8 Heptachlor epoxide

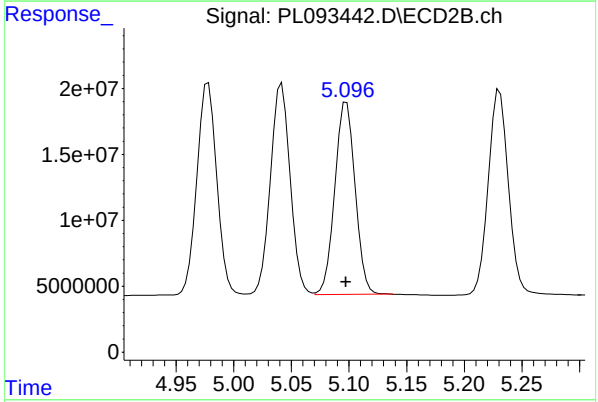
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 192241155
Conc: 52.78 ng/ml



#9 Endosulfan I

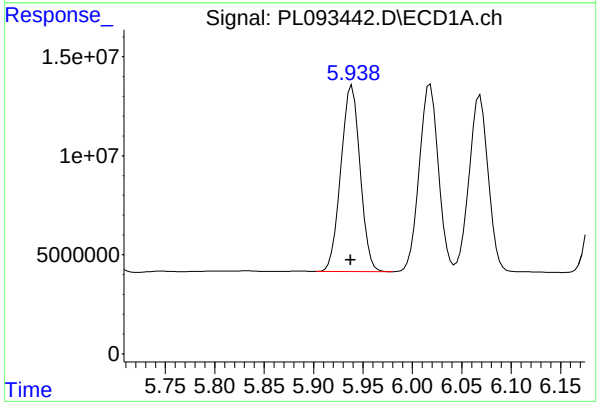
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 119453395
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



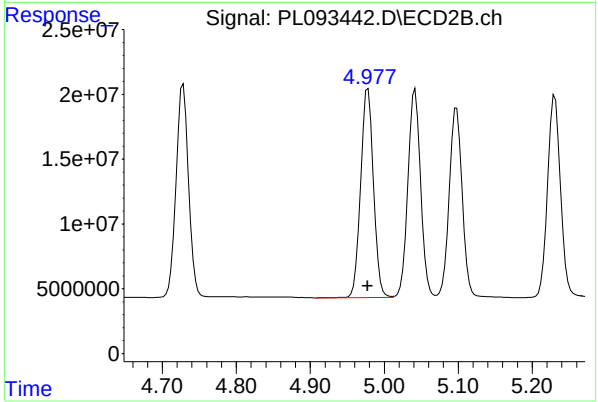
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 176770813
Conc: 52.88 ng/ml



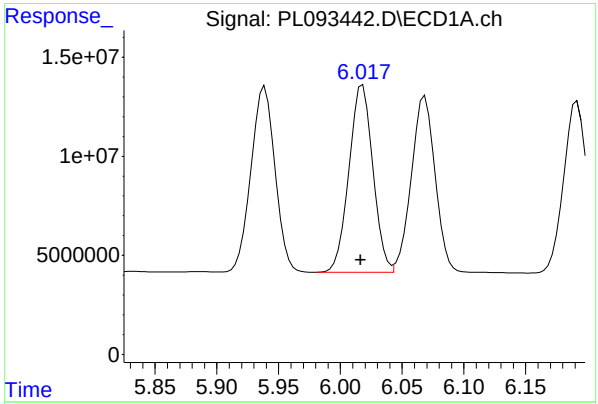
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.001 min
Response: 127195237
Conc: 49.37 ng/ml



#10 gamma-Chlordane

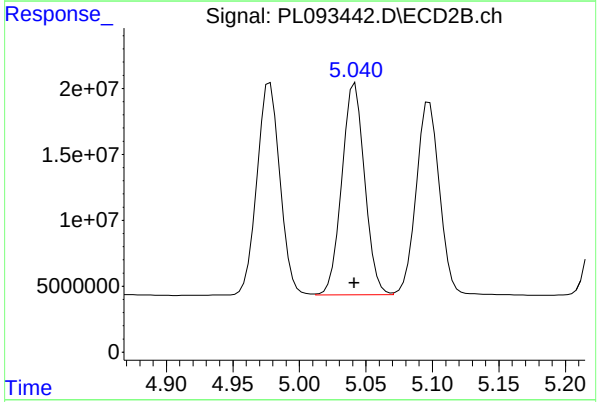
R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 194243078
Conc: 52.43 ng/ml



#11 alpha-Chlordane

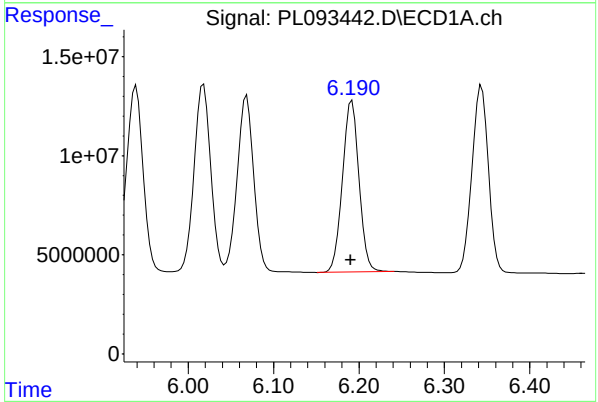
R.T.: 6.018 min
Delta R.T.: 0.002 min
Response: 127579698
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



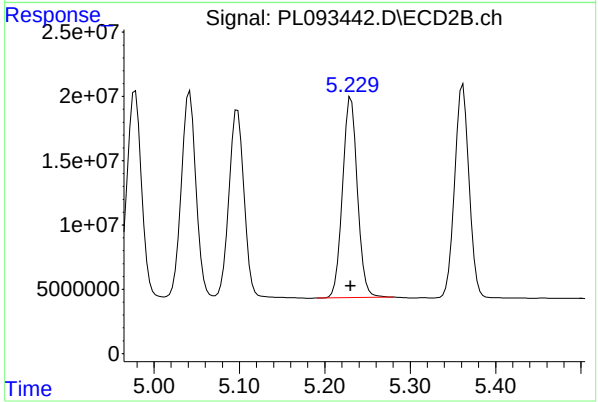
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 191439973
Conc: 52.73 ng/ml



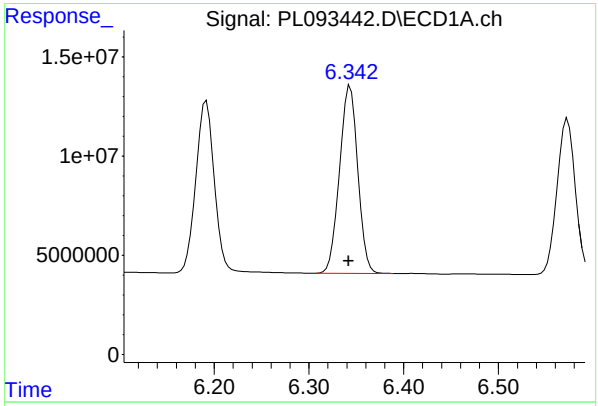
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 116741732
Conc: 49.90 ng/ml



#12 4,4'-DDE

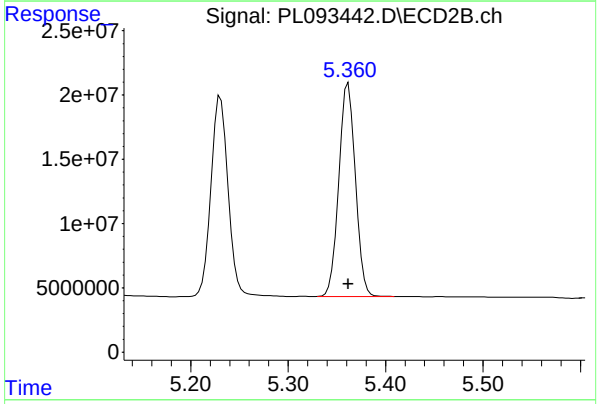
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 189185827
Conc: 52.84 ng/ml



#13 Dieldrin

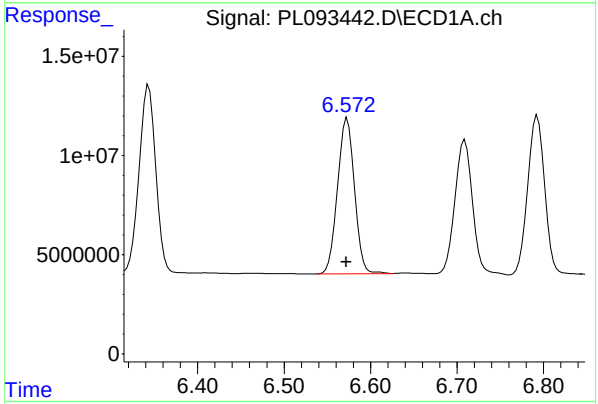
R.T.: 6.343 min
Delta R.T.: 0.001 min
Response: 126621541
Conc: 49.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



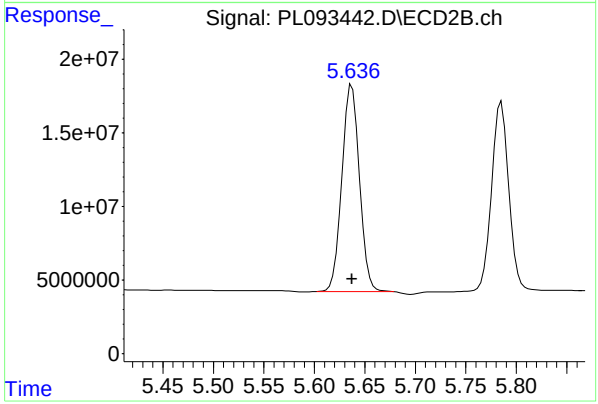
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 195988293
Conc: 53.18 ng/ml



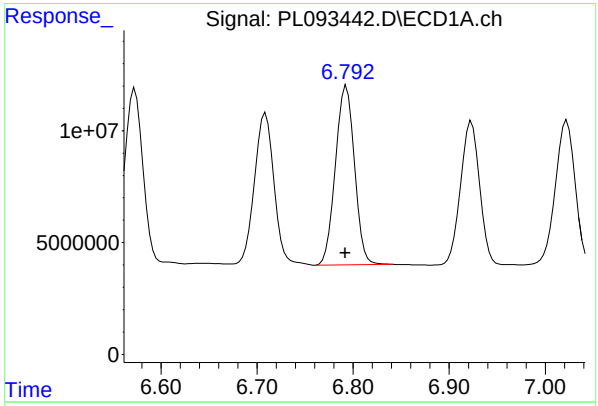
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 106088840
Conc: 50.58 ng/ml



#14 Endrin

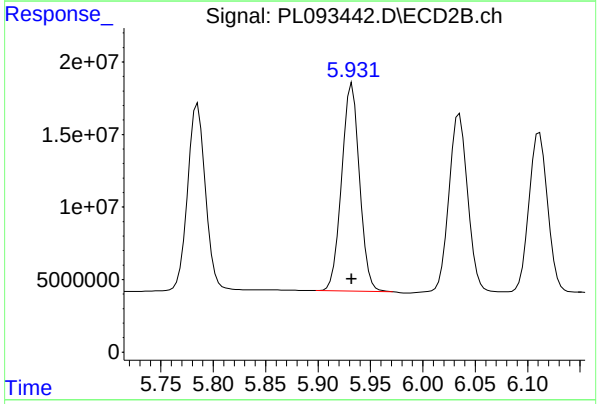
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 170936564
Conc: 53.60 ng/ml



#15 Endosulfan II

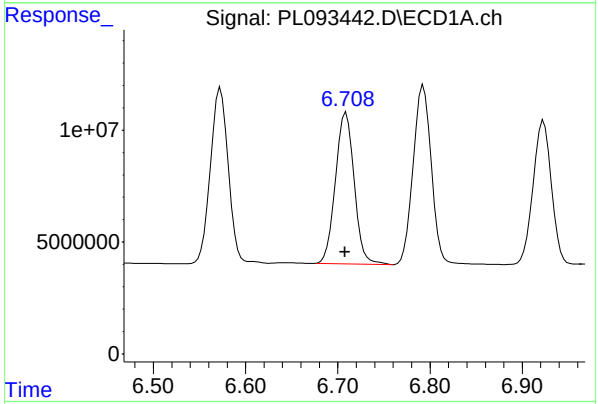
R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 109150311
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



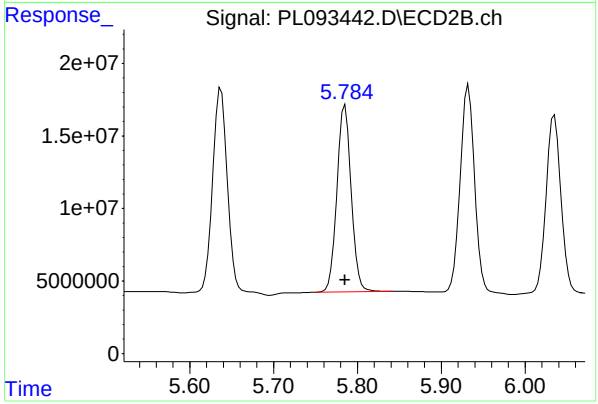
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 170255611
Conc: 53.73 ng/ml



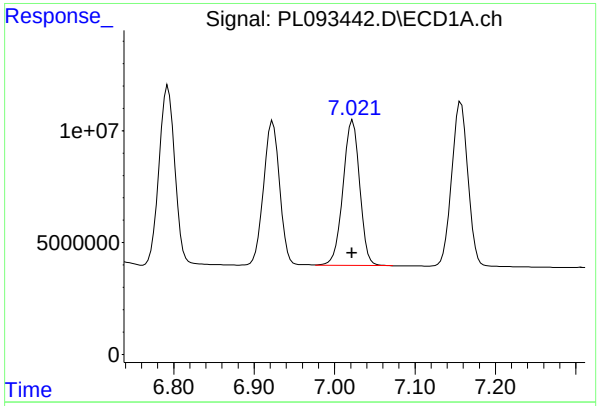
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 95452333
Conc: 52.09 ng/ml



#16 4,4'-DDD

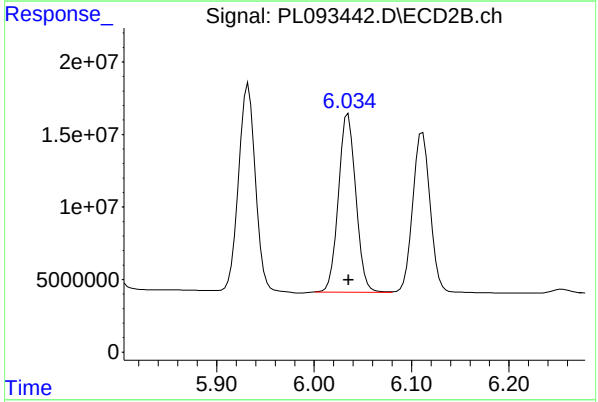
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 152634777
Conc: 54.45 ng/ml



#17 4,4'-DDT

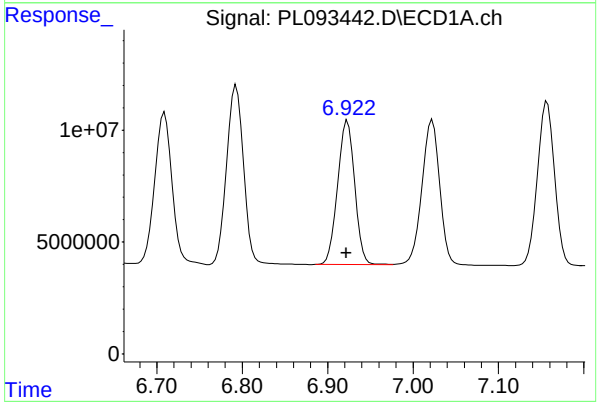
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 94039064
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



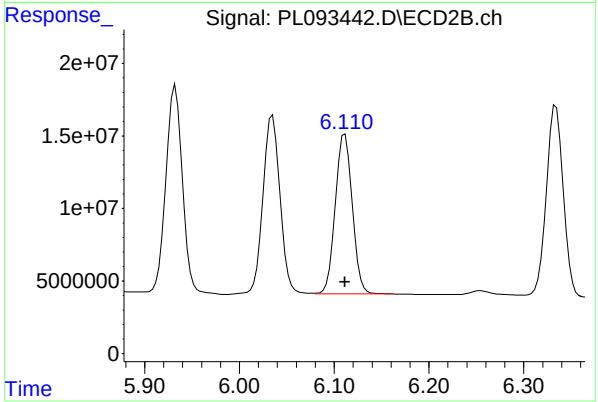
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 152401460
Conc: 51.46 ng/ml



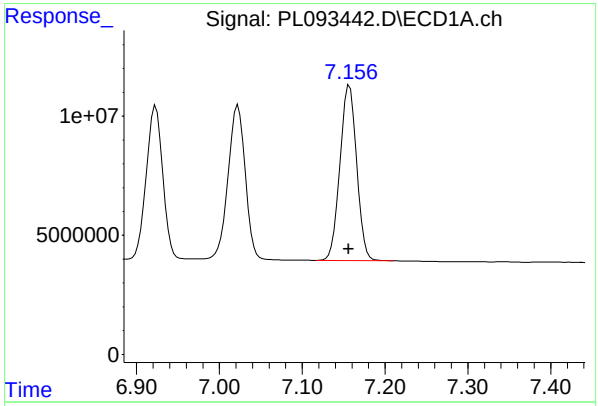
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.001 min
Response: 89537357
Conc: 49.56 ng/ml



#18 Endrin aldehyde

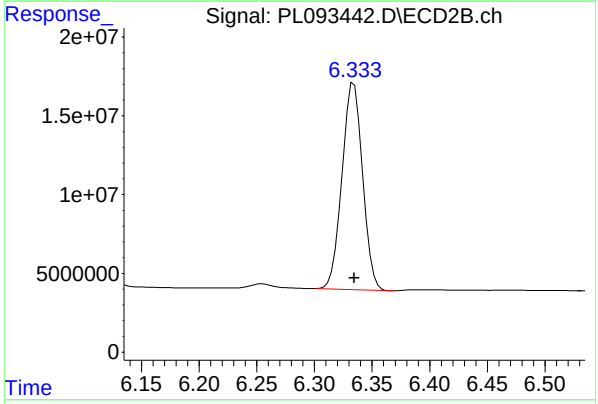
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 136558069
Conc: 52.08 ng/ml



#19 Endosulfan Sulfate

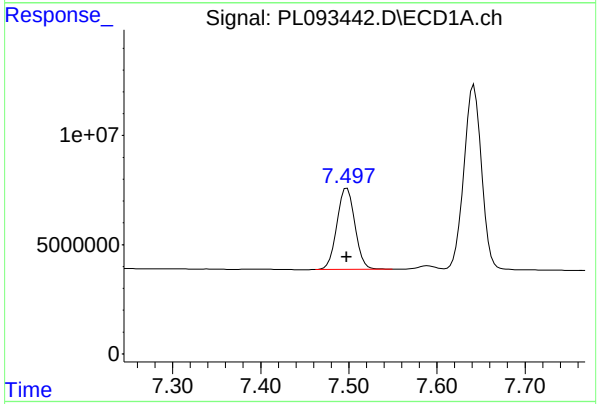
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 103234997
Conc: 49.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



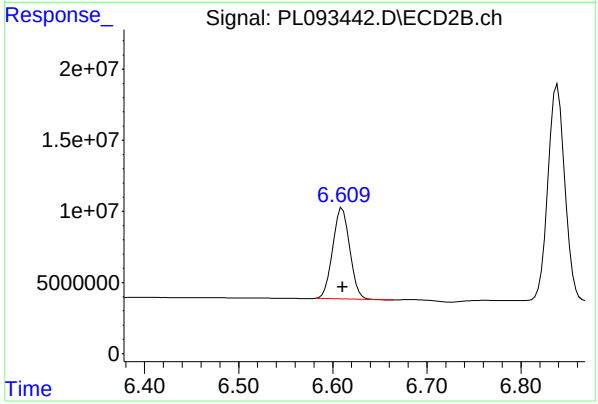
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 162358324
Conc: 53.41 ng/ml



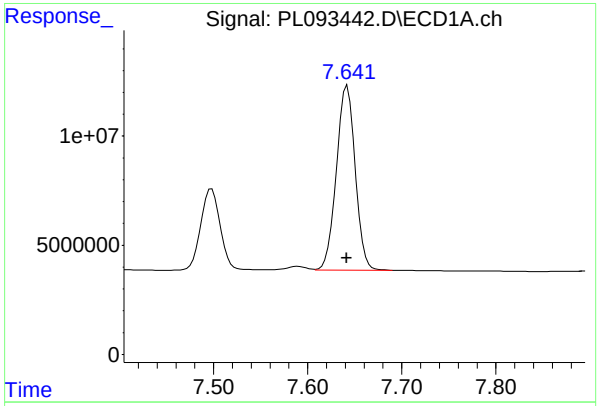
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 52942088
Conc: 50.67 ng/ml



#20 Methoxychlor

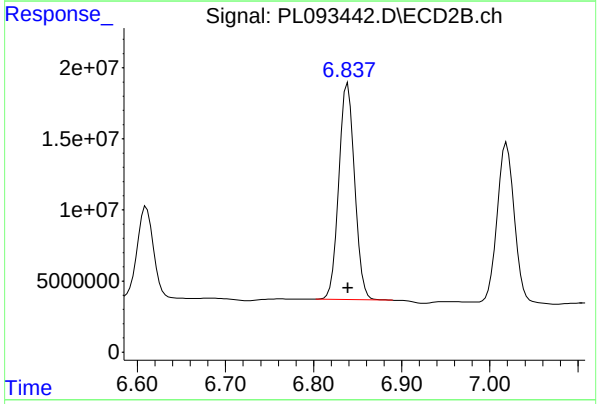
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 80689690
Conc: 52.84 ng/ml



#21 Endrin ketone

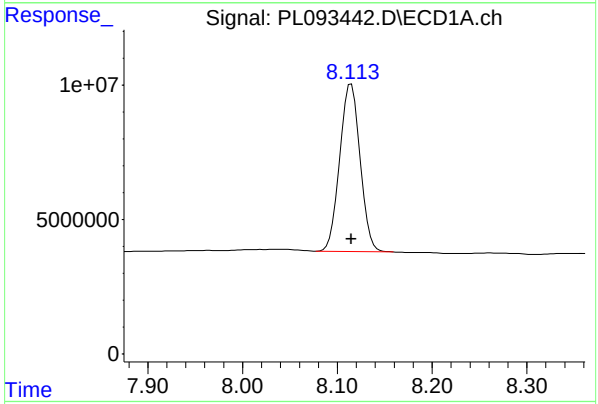
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 117309832
Conc: 51.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



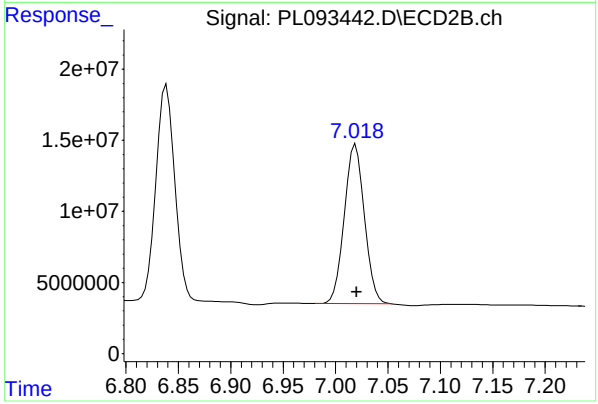
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 189937448
Conc: 56.58 ng/ml



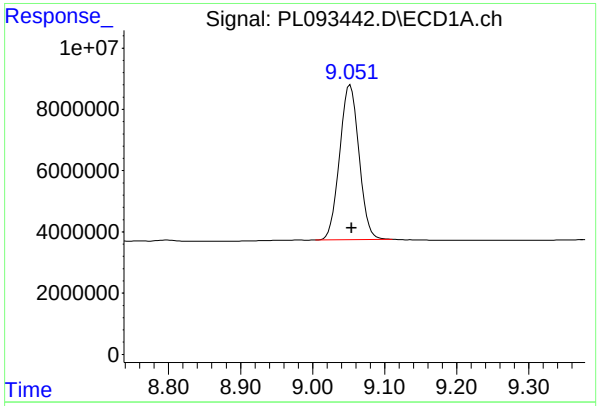
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 93185961
Conc: 51.59 ng/ml



#22 Mirex

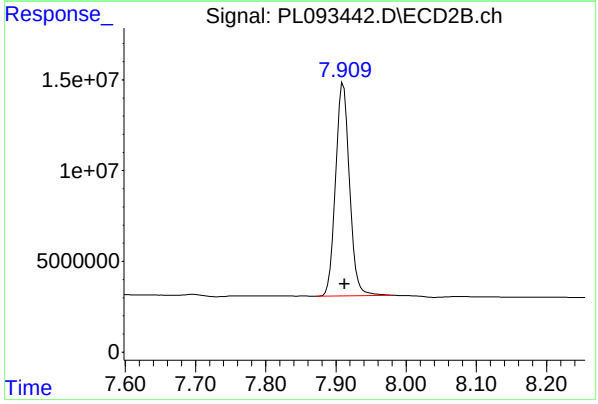
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 150459904
Conc: 56.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 94217814
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 161700522
Conc: 56.61 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093231.D **Date Analyzed:** 11/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.950	9.150	20.040	20.000	0.2
Tetrachloro-m-xylene	3.536	3.490	3.590	20.160	20.000	0.8
alpha-BHC	3.991	3.940	4.040	10.350	10.000	3.5
beta-BHC	4.522	4.470	4.570	10.650	10.000	6.5
gamma-BHC (Lindane)	4.324	4.270	4.370	10.190	10.000	1.9
Endrin	6.572	6.500	6.640	45.410	50.000	-9.2
4,4'-DDT	7.022	6.950	7.090	89.610	100.000	-10.4
Methoxychlor	7.497	7.430	7.570	212.340	250.000	-15.1

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093231.D **Date Analyzed:** 11/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.912	7.810	8.010	19.260	20.000	-3.7
Tetrachloro-m-xylene	2.774	2.720	2.820	19.400	20.000	-3.0
alpha-BHC	3.276	3.230	3.330	9.230	10.000	-7.7
beta-BHC	3.906	3.860	3.960	9.990	10.000	-0.1
gamma-BHC (Lindane)	3.607	3.560	3.660	8.790	10.000	-12.1
Endrin	5.637	5.570	5.710	46.140	50.000	-7.7
4,4'-DDT	6.036	5.970	6.110	100.270	100.000	0.3
Methoxychlor	6.610	6.540	6.680	224.790	250.000	-10.1

PEM

Data File: PL093231.D **Date Acquired** 11/25/2024 11:05

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	95247100.31	103950306.7	8703206.42	**8.37**
Endrin aldehyde	6.92	2989353.181			
Endrin ketone	7.64	5713853.239			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	147167852.9	160922995.7	13755142.8	**8.55**
Endrin aldehyde #2	6.11	5605406.228			
Endrin ketone #2	6.84	8149736.522			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	172758051	174900110.4	2142059.36	**1.22**
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	2142059.361			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	296971450.6	299670366	2698915.34	**0.90**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	2698915.344			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:01:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	52384811	55942252	20.156	19.397	
28)	SA Decachlor...	9.054	7.912	34835122	55010092	20.037	19.258	
	Target Compounds							
2)	A alpha-BHC	3.991	3.276	36948067	39395649	10.354	9.227	
3)	MA gamma-BHC...	4.324	3.607	34434272	36380083	10.192	8.788	
6)	B beta-BHC	4.522	3.906	16076799	17778091	10.649	9.994	
14)	MA Endrin	6.572	5.637	95247100	147.2E6	45.410	46.145	
16)	A 4,4'-DDD	6.706	5.785	2142059	2698915	1.169m	0.963	
17)	MA 4,4'-DDT	7.022	6.036	172.8E6	297.0E6	89.613	100.268	
18)	B Endrin al...	6.921	6.111	2989353	5605406	1.655	2.138	#
20)	A Methoxychlor	7.497	6.610	221.9E6	343.2E6	212.343	224.787	
21)	B Endrin ke...	7.641	6.839	5713853	8149737	2.518	2.428	

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

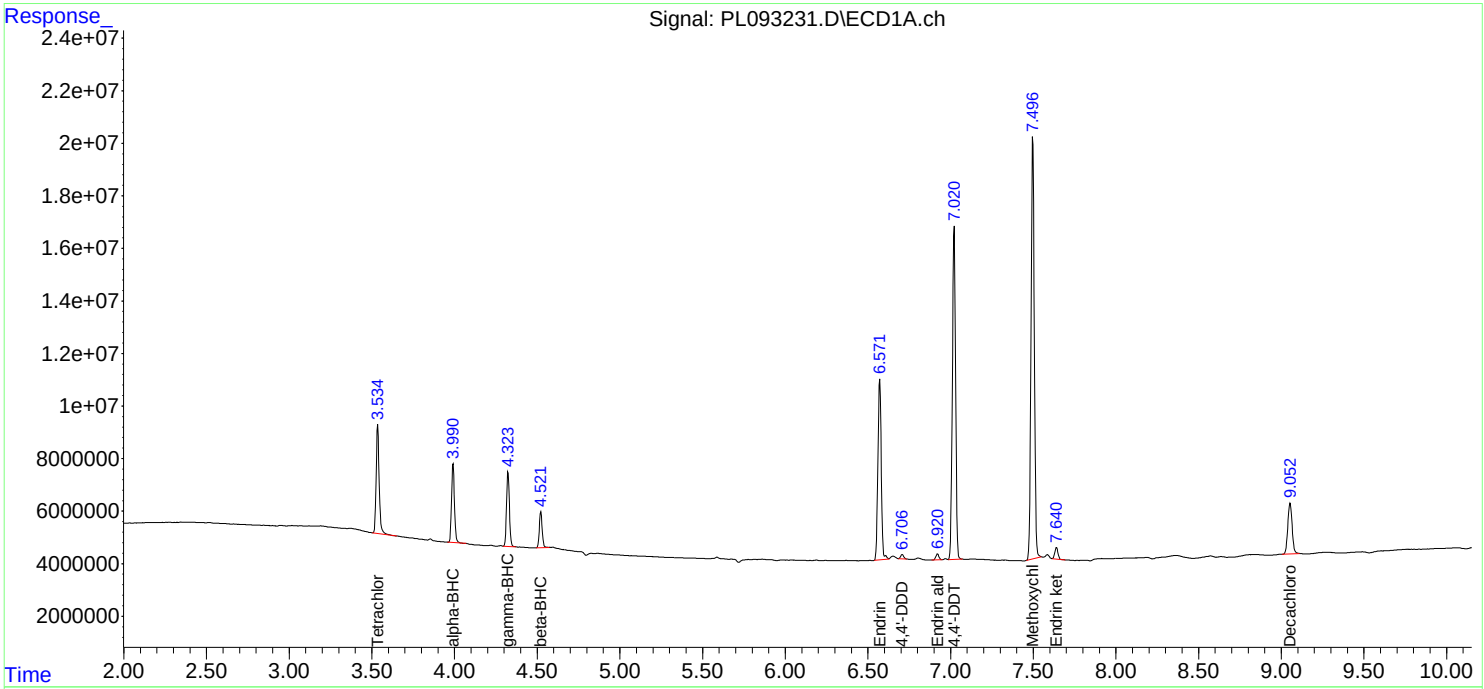
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

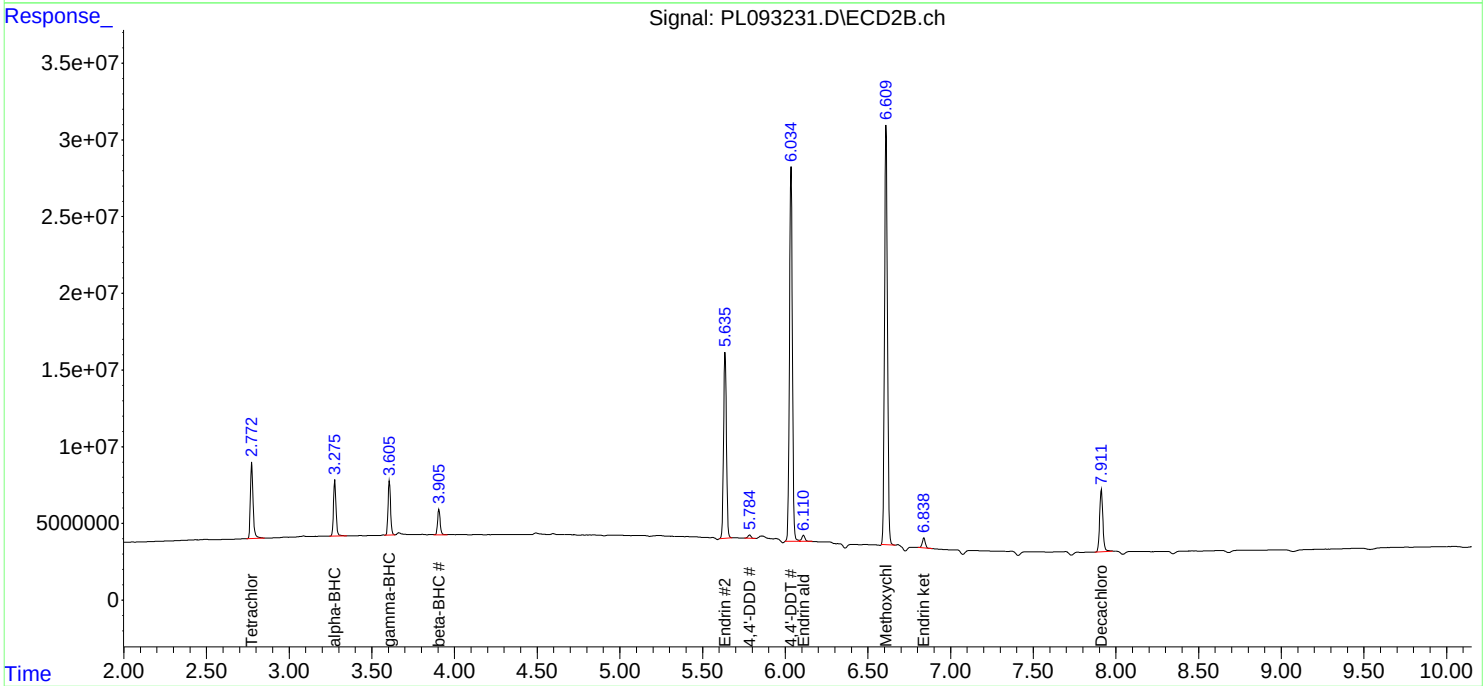
Instrument :
ECD_L
ClientSampleId :
PEM

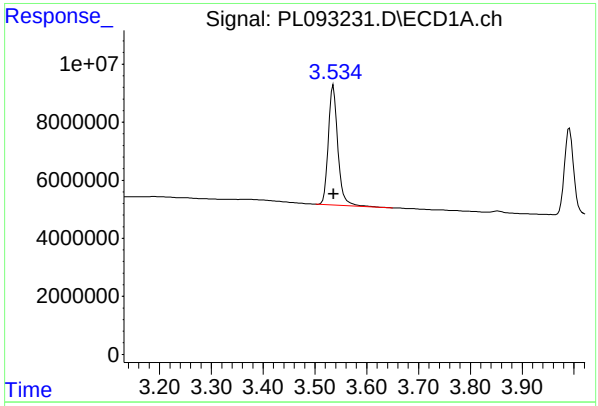
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:01:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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







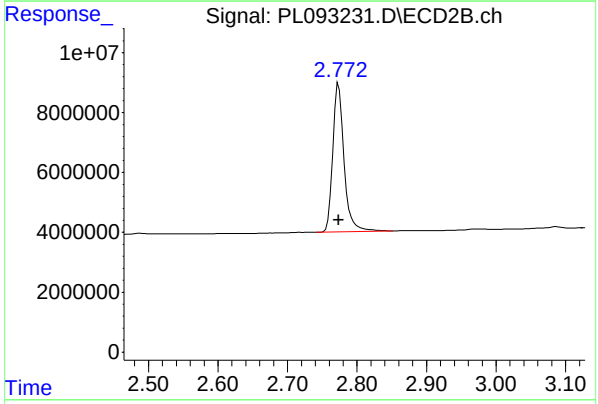
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 mi
Response: 52384811
Conc: 20.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

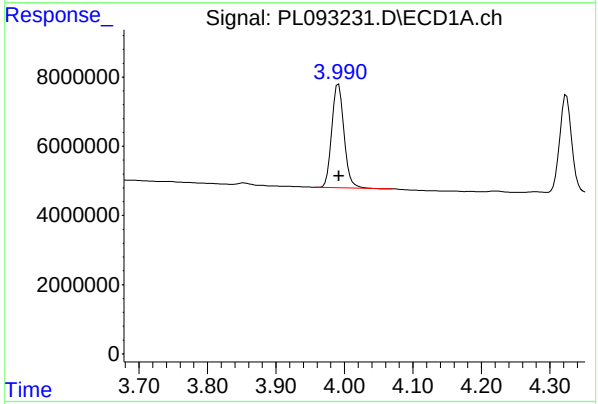
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



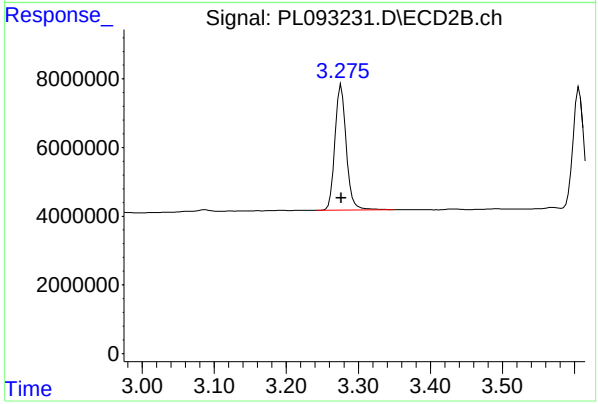
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 55942252
Conc: 19.40 ng/ml



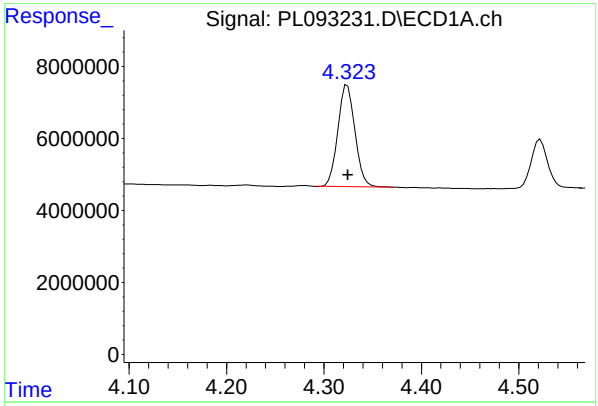
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 36948067
Conc: 10.35 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 39395649
Conc: 9.23 ng/ml



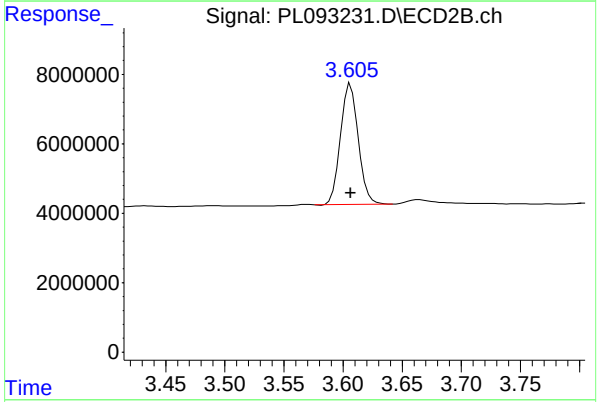
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 34434272
Conc: 10.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

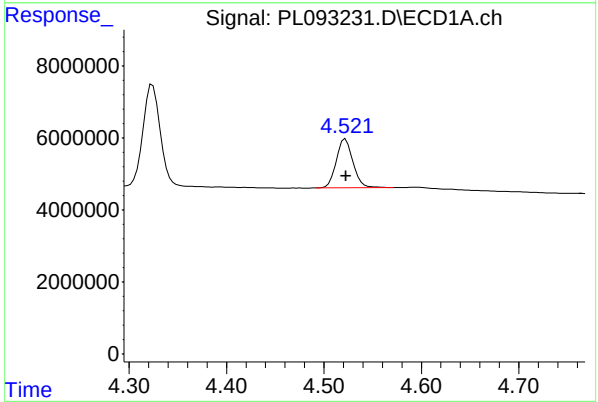
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



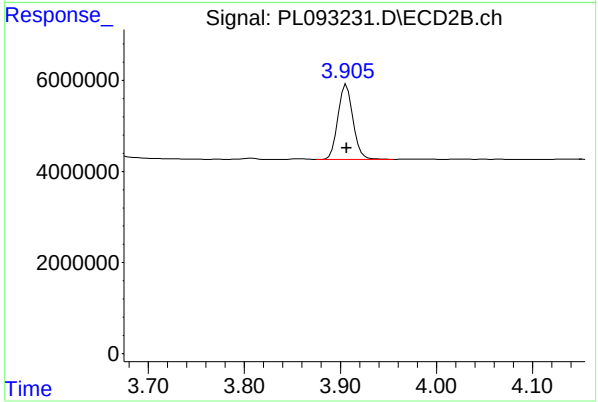
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 36380083
Conc: 8.79 ng/ml



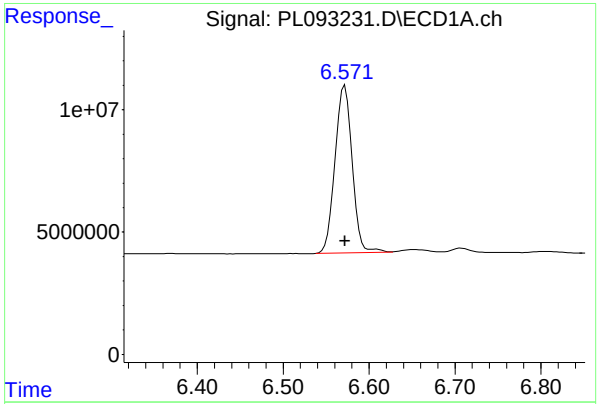
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 16076799
Conc: 10.65 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 17778091
Conc: 9.99 ng/ml



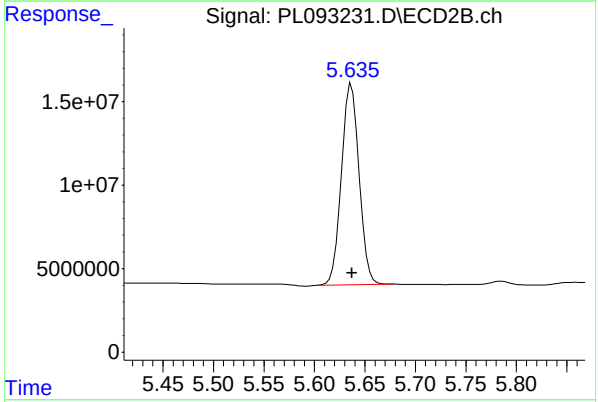
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 mi
Response: 95247100
Conc: 45.41 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

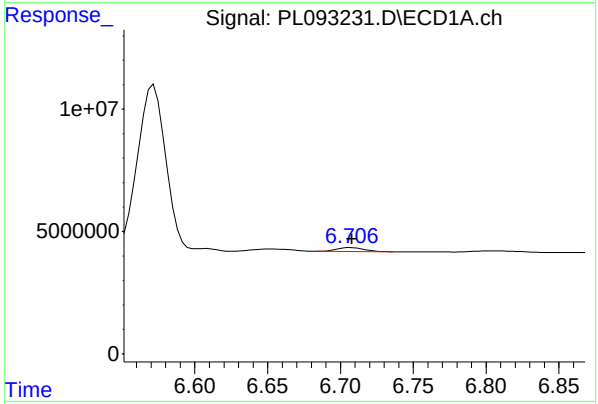
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



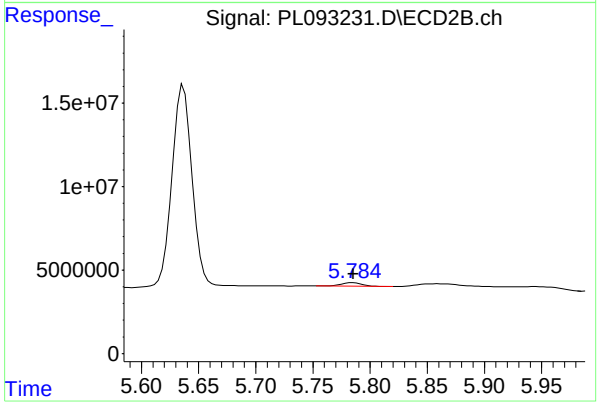
#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 147167853
Conc: 46.14 ng/ml



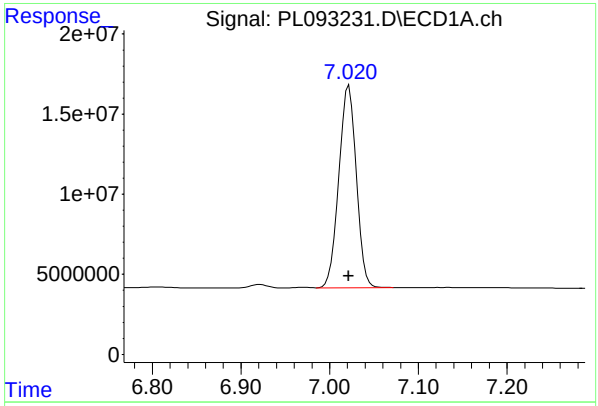
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 2142059
Conc: 1.17 ng/ml m



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 2698915
Conc: 0.96 ng/ml



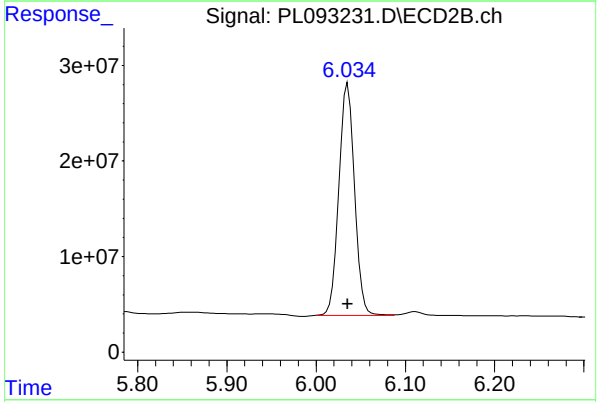
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 172758051
Conc: 89.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

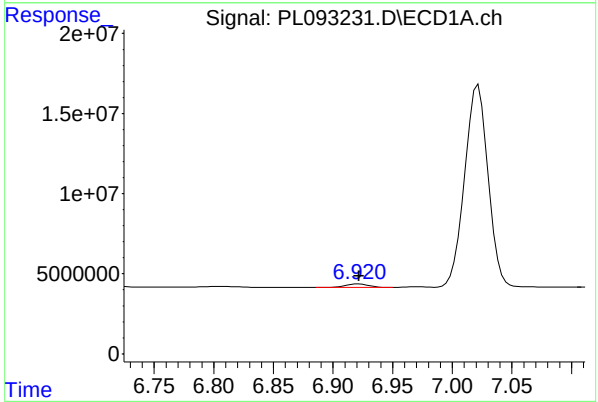
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



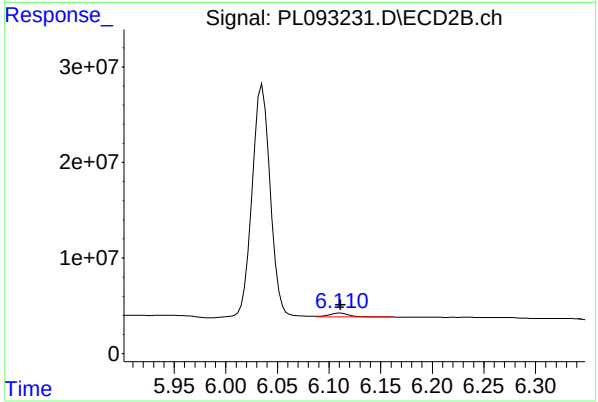
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 296971451
Conc: 100.27 ng/ml



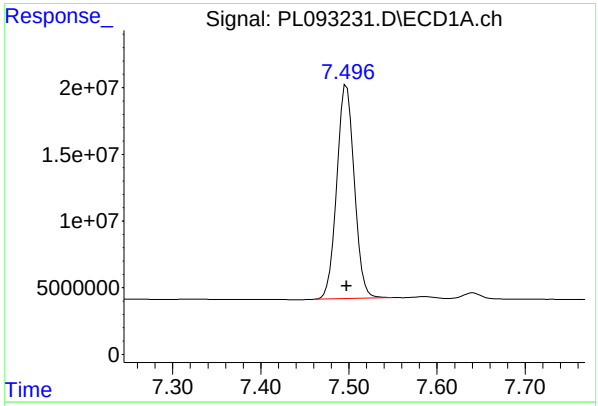
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 2989353
Conc: 1.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 5605406
Conc: 2.14 ng/ml



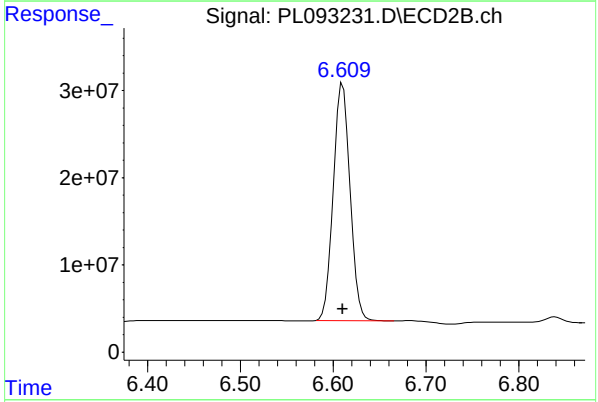
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 221872851
Conc: 212.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

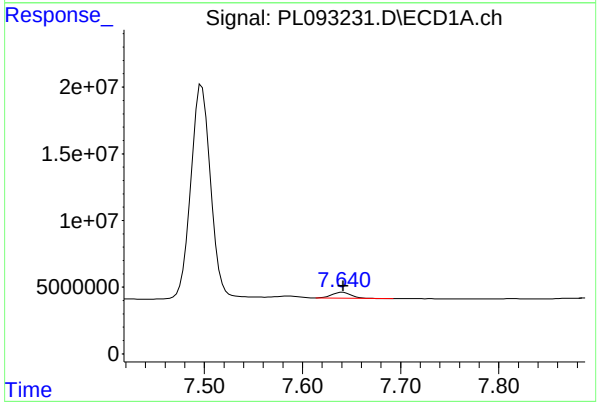
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



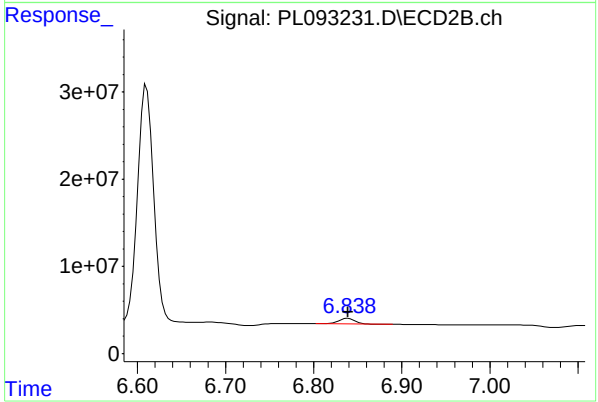
#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 343236459
Conc: 224.79 ng/ml



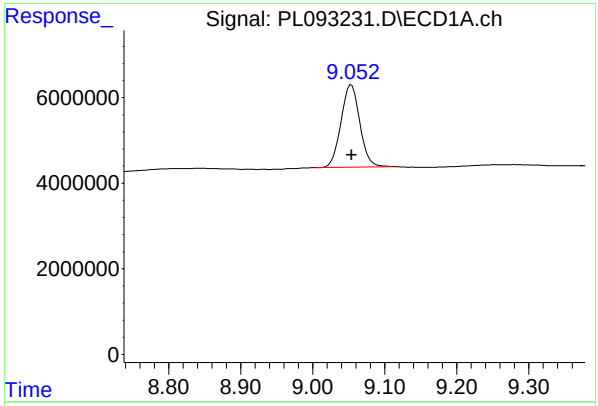
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 5713853
Conc: 2.52 ng/ml



#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 8149737
Conc: 2.43 ng/ml



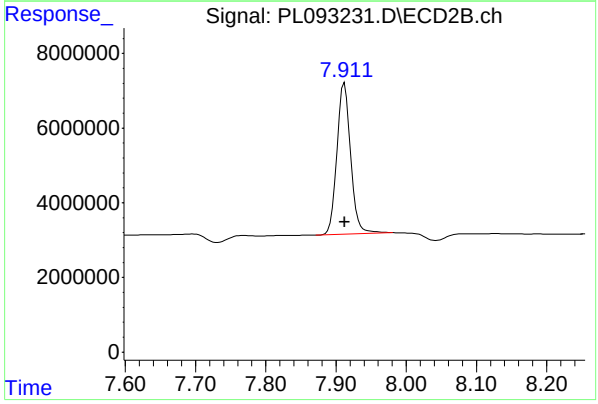
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 34835122
Conc: 20.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/26/2024
Supervised By :Ankita Jodhani 11/26/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 55010092
Conc: 19.26 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093408.D **Date Analyzed:** 12/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.950	9.150	24.780	20.000	23.9
Tetrachloro-m-xylene	3.539	3.490	3.590	22.120	20.000	10.6
alpha-BHC	3.994	3.940	4.040	11.650	10.000	16.5
beta-BHC	4.525	4.470	4.580	11.820	10.000	18.2
gamma-BHC (Lindane)	4.327	4.280	4.380	11.580	10.000	15.8
Endrin	6.572	6.500	6.640	50.580	50.000	1.2
4,4'-DDT	7.024	6.950	7.090	102.080	100.000	2.1
Methoxychlor	7.500	7.430	7.570	234.290	250.000	-6.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093408.D **Date Analyzed:** 12/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.912	7.810	8.010	22.950	20.000	14.8
Tetrachloro-m-xylene	2.775	2.720	2.830	22.150	20.000	10.8
alpha-BHC	3.278	3.230	3.330	10.600	10.000	6.0
beta-BHC	3.908	3.860	3.960	11.560	10.000	15.6
gamma-BHC (Lindane)	3.608	3.560	3.660	10.110	10.000	1.1
Endrin	5.638	5.570	5.710	53.450	50.000	6.9
4,4'-DDT	6.036	5.970	6.110	118.430	100.000	18.4
Methoxychlor	6.611	6.540	6.680	266.160	250.000	6.5

PEM

Data File: PL093408.D **Date Acquired** 12/18/2024 10:48

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	106082195.6	115022534.1	8940338.46	**7.77**
Endrin aldehyde	6.92	3005248.323			
Endrin ketone	7.64	5935090.135			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	170460028.8	184014961.5	13554932.7	**7.37**
Endrin aldehyde #2	6.11	5398800.623			
Endrin ketone #2	6.84	8156132.038			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	196788167.6	199346735.1	2558567.44	**1.28**
4,4'-DDE	6.19	356470.369			
4,4'-DDD	6.71	2202097.07			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	350776153.2	353758549.7	2982396.53	**0.84**
4,4'-DDE #2	5.24	382466.268			
4,4'-DDD #2	5.79	2599930.263			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 10:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:25:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	57502056	63876033	22.125	22.148
28)	SA Decachlor...	9.054	7.912	43089222	65553993	24.785	22.949
	Target Compounds						
2)	A alpha-BHC	3.994	3.278	41575109	45269691	11.651	10.603
3)	MA gamma-BHC...	4.327	3.608	39131654	41841899	11.582	10.107
6)	B beta-BHC	4.525	3.908	17851794	20562555	11.824	11.559
12)	B 4,4'-DDE	6.188	5.235	356470	382466	0.152m	0.107m#
14)	MA Endrin	6.572	5.638	106.1E6	170.5E6	50.576m	53.448
16)	A 4,4'-DDD	6.709	5.786	2202097	2599930	1.202	0.927
17)	MA 4,4'-DDT	7.024	6.036	196.8E6	350.8E6	102.077	118.435
18)	B Endrin al...	6.924	6.112	3005248	5398801	1.663	2.059
20)	A Methoxychlor	7.500	6.611	244.8E6	406.4E6	234.295	266.161
21)	B Endrin ke...	7.643	6.840	5935090	8156132	2.615	2.430

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

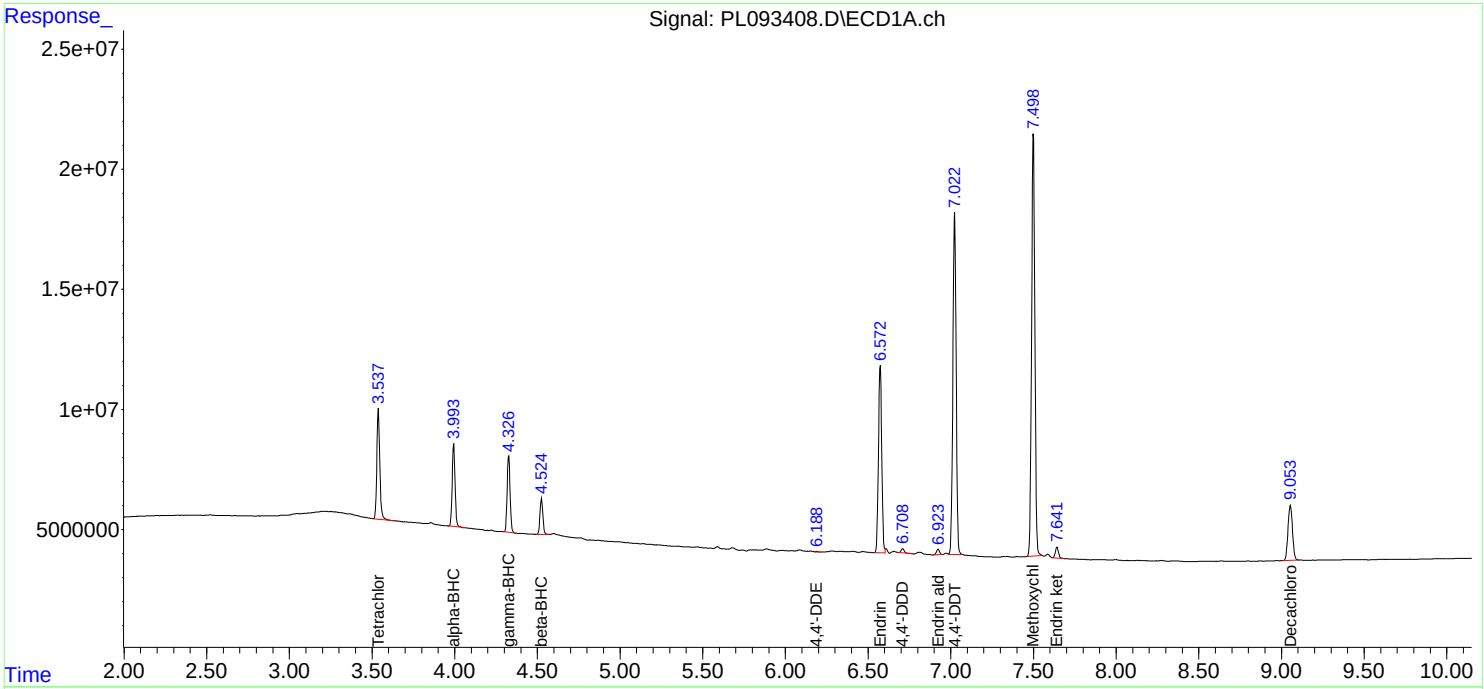
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 10:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

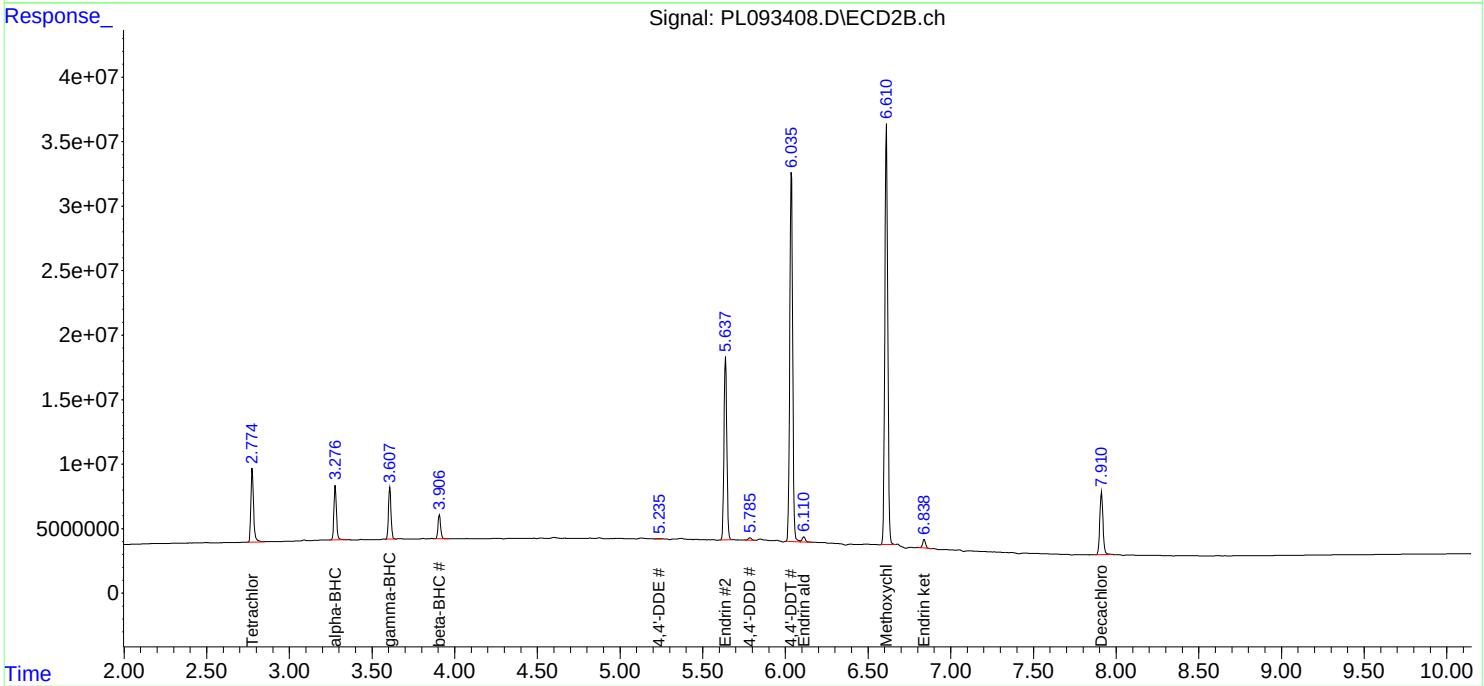
Instrument :
ECD_L
ClientSampleId :
PEM

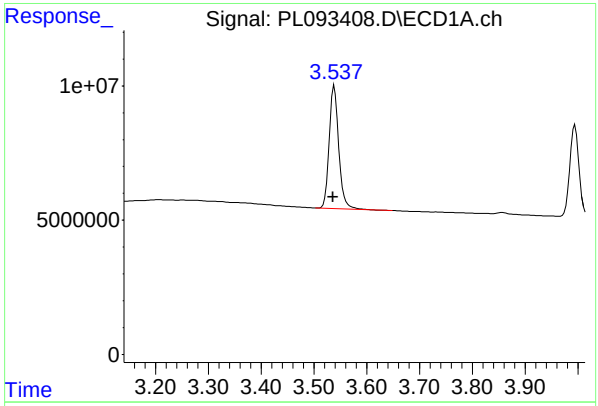
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:25:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







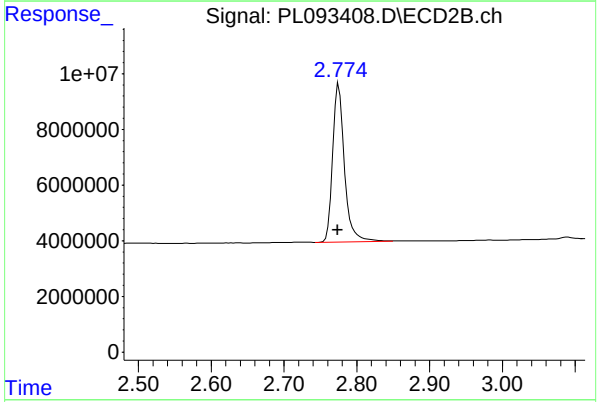
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.002 min
Response: 57502056
Conc: 22.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

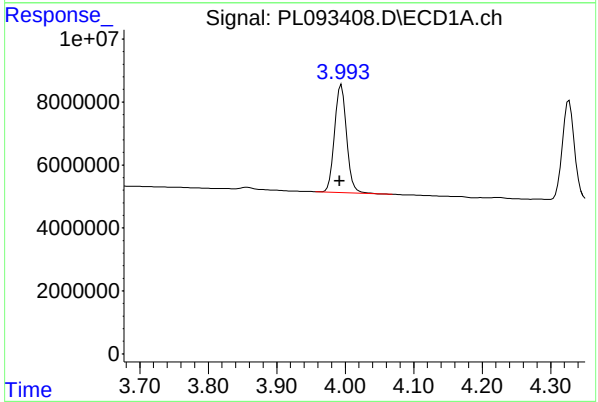
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



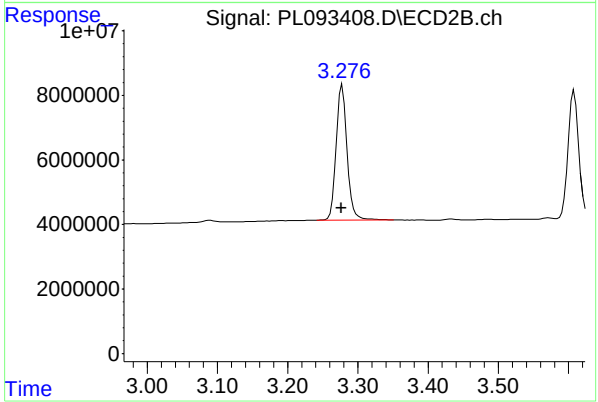
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.002 min
Response: 63876033
Conc: 22.15 ng/ml



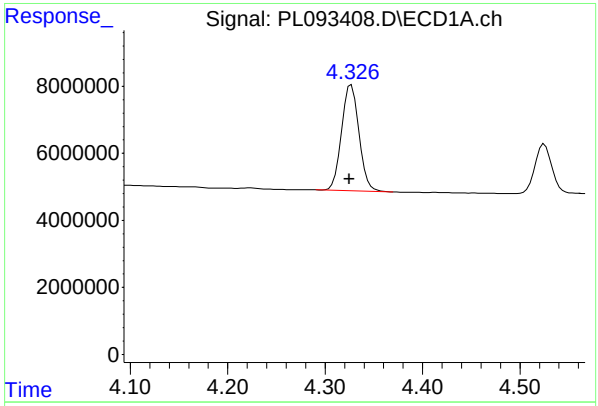
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.002 min
Response: 41575109
Conc: 11.65 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 45269691
Conc: 10.60 ng/ml



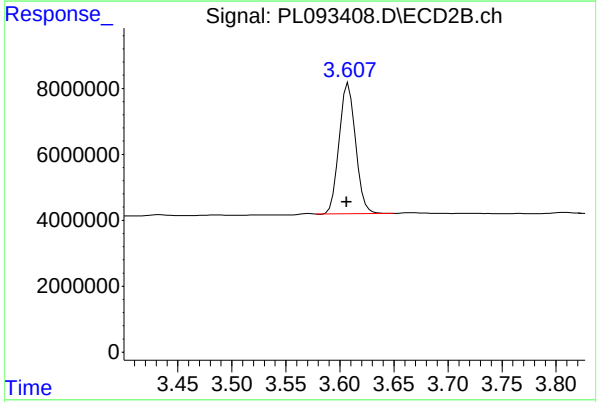
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.002 min
Response: 39131654
Conc: 11.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

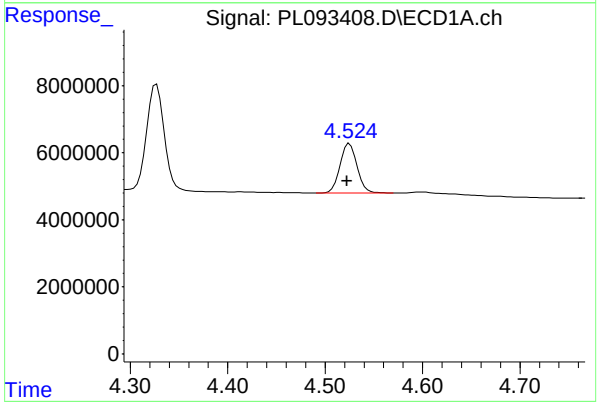
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



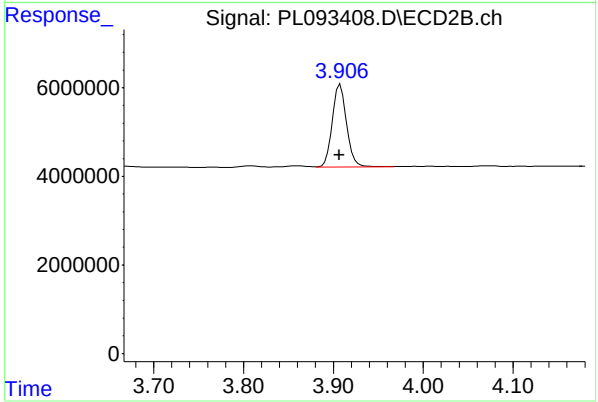
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 41841899
Conc: 10.11 ng/ml



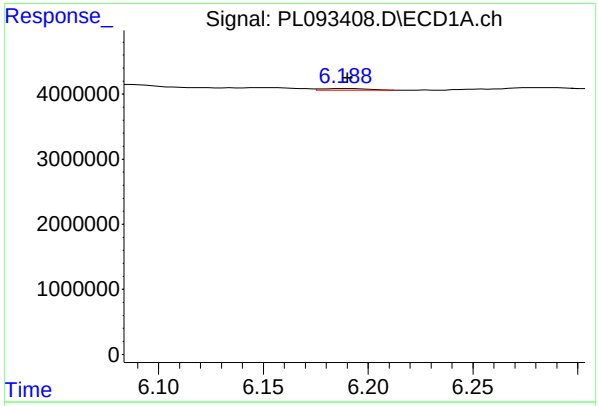
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 17851794
Conc: 11.82 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.001 min
Response: 20562555
Conc: 11.56 ng/ml



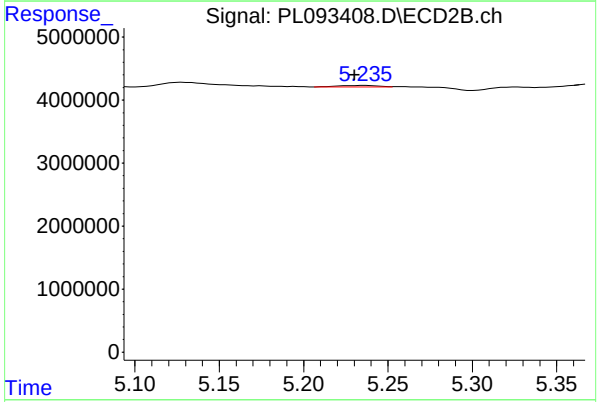
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 mi
Response: 356470
Conc: 0.15 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

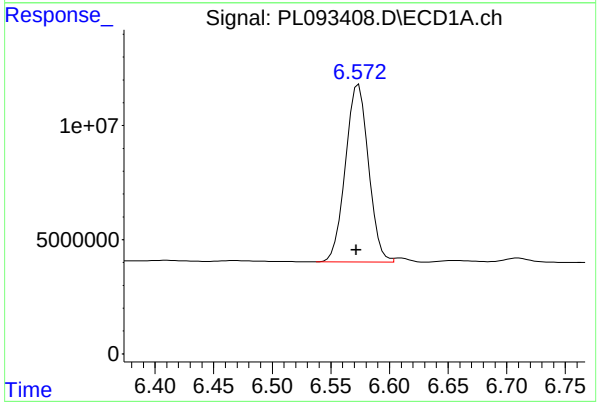
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



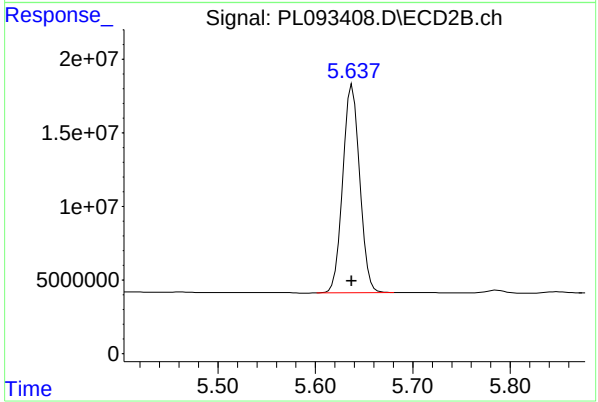
#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.005 min
Response: 382466
Conc: 0.11 ng/ml m



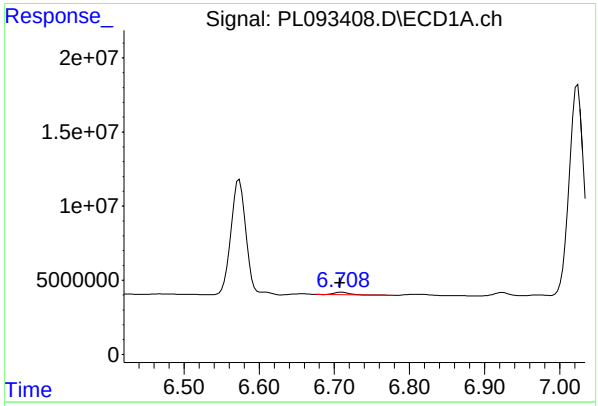
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 106082196
Conc: 50.58 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 170460029
Conc: 53.45 ng/ml



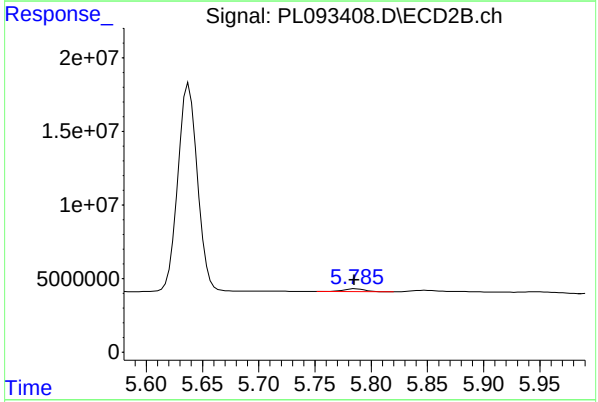
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.002 min
Response: 2202097
Conc: 1.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

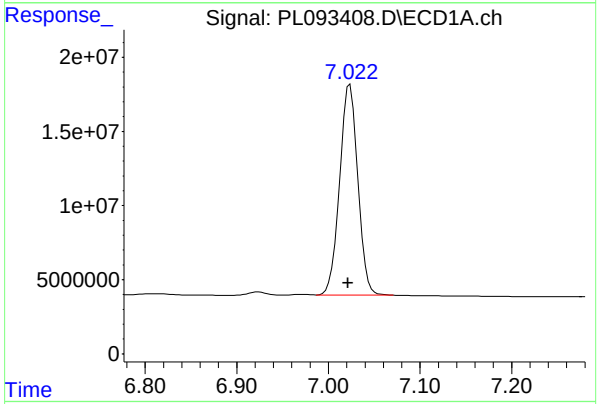
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



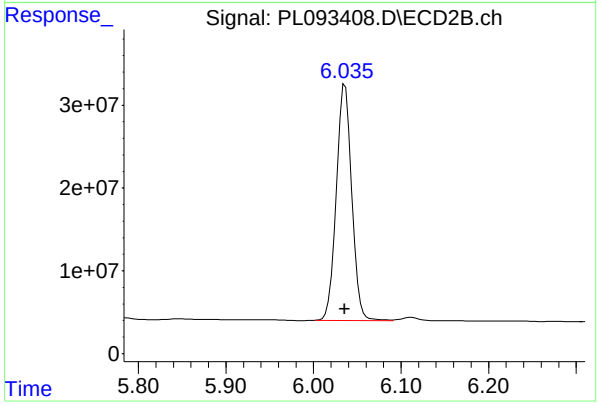
#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 2599930
Conc: 0.93 ng/ml



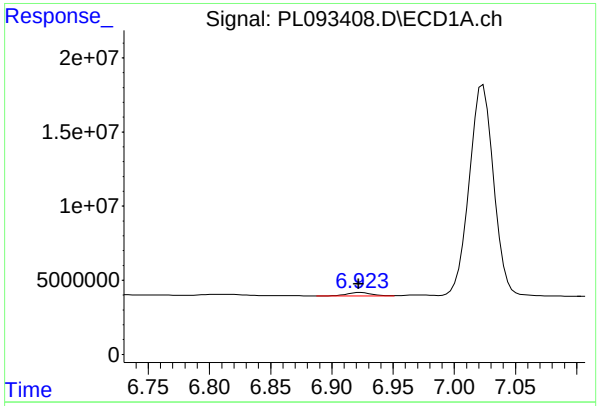
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 196788168
Conc: 102.08 ng/ml



#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 350776153
Conc: 118.43 ng/ml



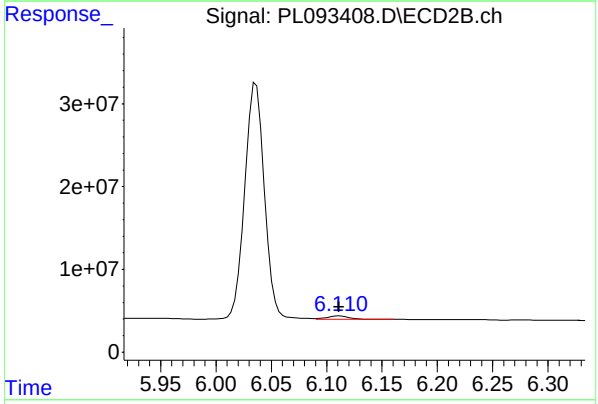
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 3005248
Conc: 1.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

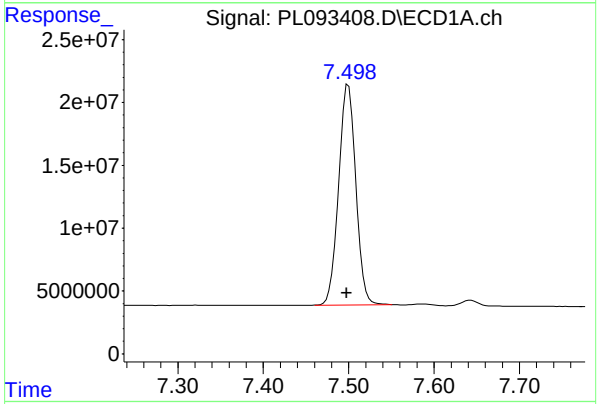
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



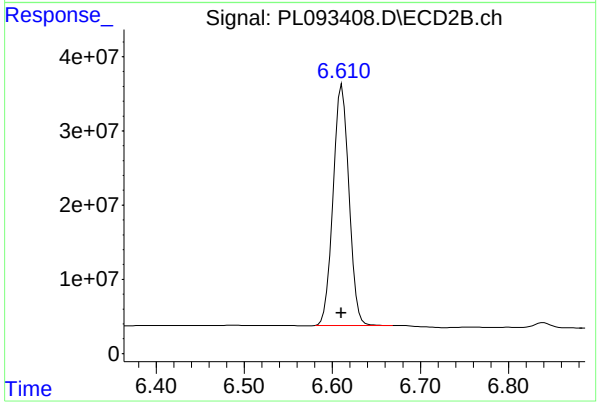
#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 5398801
Conc: 2.06 ng/ml



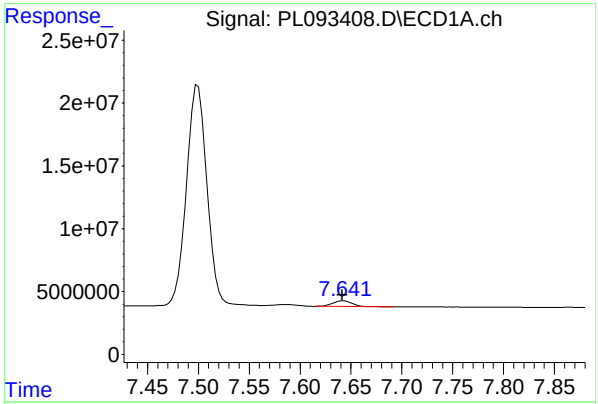
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 244809830
Conc: 234.29 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 406412017
Conc: 266.16 ng/ml



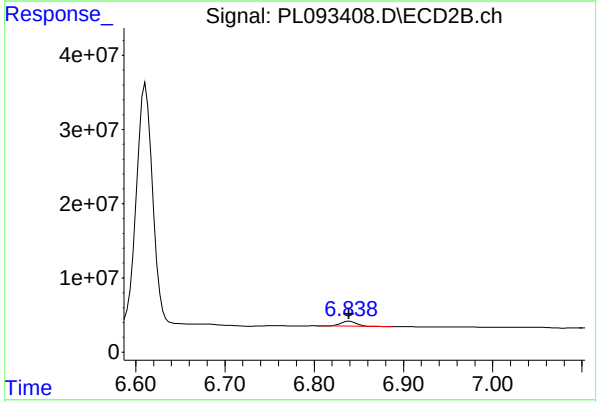
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.001 min
Response: 5935090
Conc: 2.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

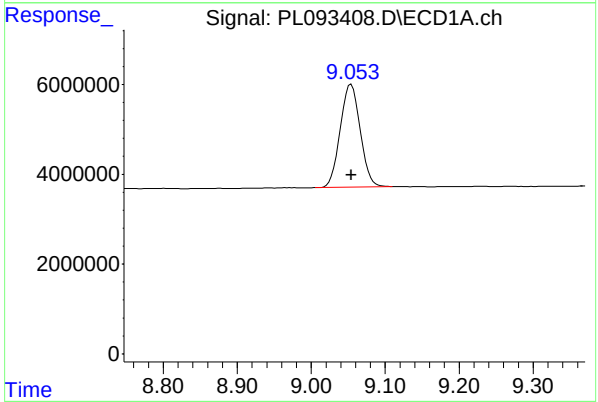
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



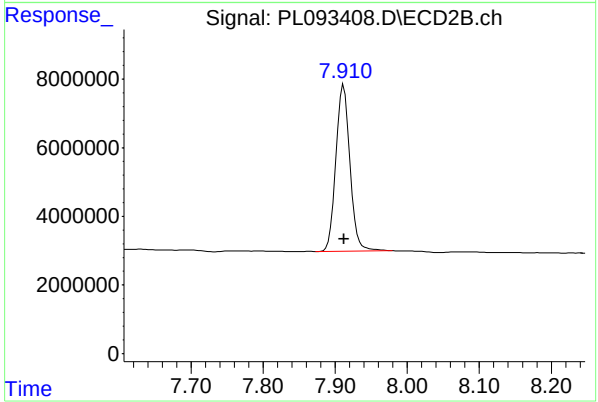
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 8156132
Conc: 2.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 43089222
Conc: 24.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 65553993
Conc: 22.95 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093430.D **Date Analyzed:** 12/19/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.053	8.950	9.150	23.770	20.000	18.9
Tetrachloro-m-xylene	3.539	3.490	3.590	21.100	20.000	5.5
alpha-BHC	3.994	3.940	4.040	11.250	10.000	12.5
beta-BHC	4.525	4.470	4.580	11.650	10.000	16.5
gamma-BHC (Lindane)	4.326	4.280	4.380	11.090	10.000	10.9
Endrin	6.572	6.500	6.640	47.950	50.000	-4.1
4,4'-DDT	7.023	6.950	7.090	96.310	100.000	-3.7
Methoxychlor	7.499	7.430	7.570	222.820	250.000	-10.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2024 11/25/2024

Client Sample No. (PEM): PEM - PL093430.D **Date Analyzed:** 12/19/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	22.780	20.000	13.9
Tetrachloro-m-xylene	2.775	2.720	2.830	21.320	20.000	6.6
alpha-BHC	3.278	3.230	3.330	10.160	10.000	1.6
beta-BHC	3.907	3.860	3.960	11.180	10.000	11.8
gamma-BHC (Lindane)	3.608	3.560	3.660	9.750	10.000	-2.5
Endrin	5.638	5.570	5.710	51.410	50.000	2.8
4,4'-DDT	6.036	5.970	6.110	113.090	100.000	13.1
Methoxychlor	6.609	6.540	6.680	258.800	250.000	3.5

PEM

Data File: PL093430.D **Date Acquired** 12/19/2024 12:39

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	100584534	110822405.9	10237871.9	**9.24**
Endrin aldehyde	6.92	3411810.582			
Endrin ketone	7.64	6826061.348			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	163967883.7	180109000.4	16141116.7	**8.96**
Endrin aldehyde #2	6.11	5884876.377			
Endrin ketone #2	6.84	10256240.29			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	185670847.5	189939397.8	4268550.27	**2.25**
4,4'-DDE	6.19	209046.475			
4,4'-DDD	6.71	4059503.798			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	334947583	340452079.8	5504496.84	**1.62**
4,4'-DDE #2	5.23	283194.256			
4,4'-DDD #2	5.79	5221302.583			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	54842103	61485454	21.101	21.319
28)	SA Decachlor...	9.053	7.910	41330076	65058022	23.773	22.776
	Target Compounds						
2)	A alpha-BHC	3.994	3.278	40161881	43396898	11.255	10.165
3)	MA gamma-BHC...	4.326	3.608	37454421	40363627	11.086	9.750
6)	B beta-BHC	4.525	3.907	17591975	19888349	11.652	11.180
12)	B 4,4'-DDE	6.189	5.228	209046	283194	0.089m	0.079m
14)	MA Endrin	6.572	5.638	100.6E6	164.0E6	47.955m	51.413
16)	A 4,4'-DDD	6.708	5.786	4059504	5221303	2.216m	1.862
17)	MA 4,4'-DDT	7.023	6.036	185.7E6	334.9E6	96.311	113.090
18)	B Endrin al...	6.923	6.111	3411811	5884876	1.889	2.244
20)	A Methoxychlor	7.499	6.609	232.8E6	395.2E6	222.822	258.803m
21)	B Endrin ke...	7.642	6.839	6826061	10256240	3.008	3.055

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

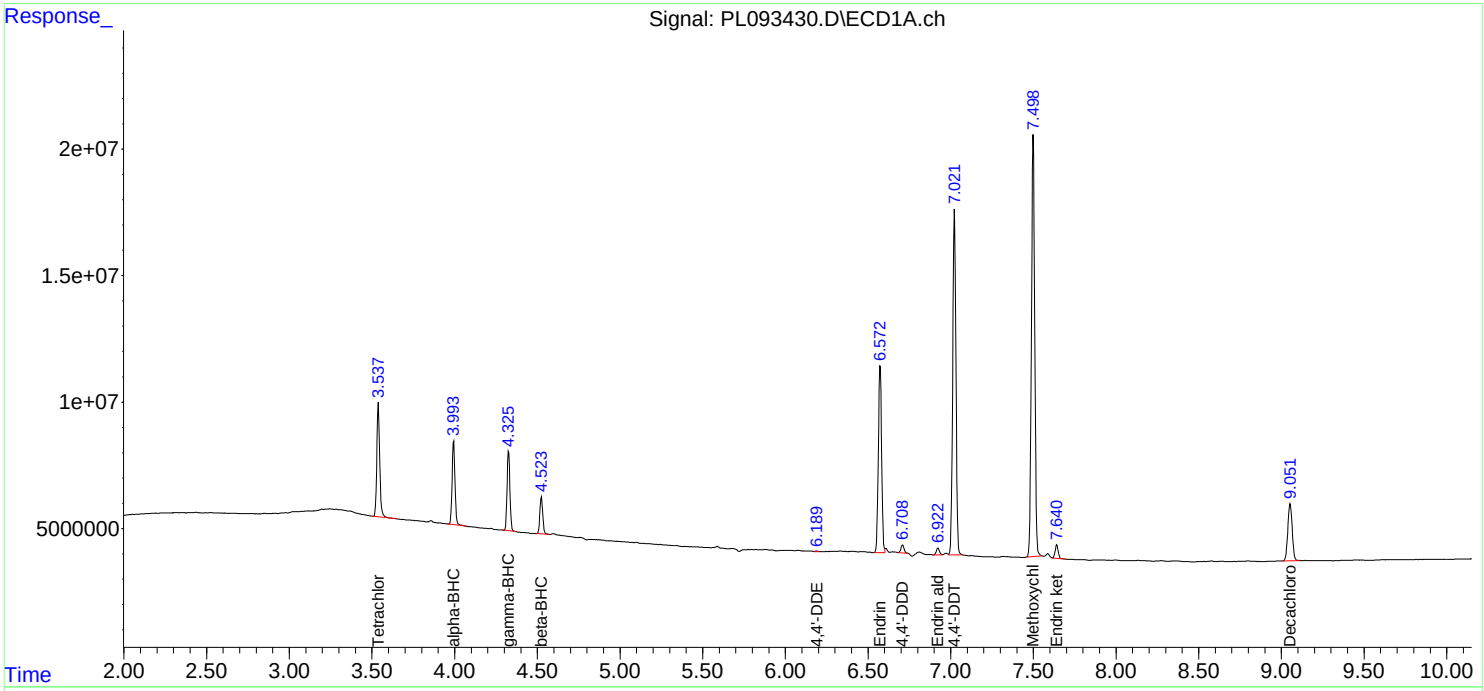
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

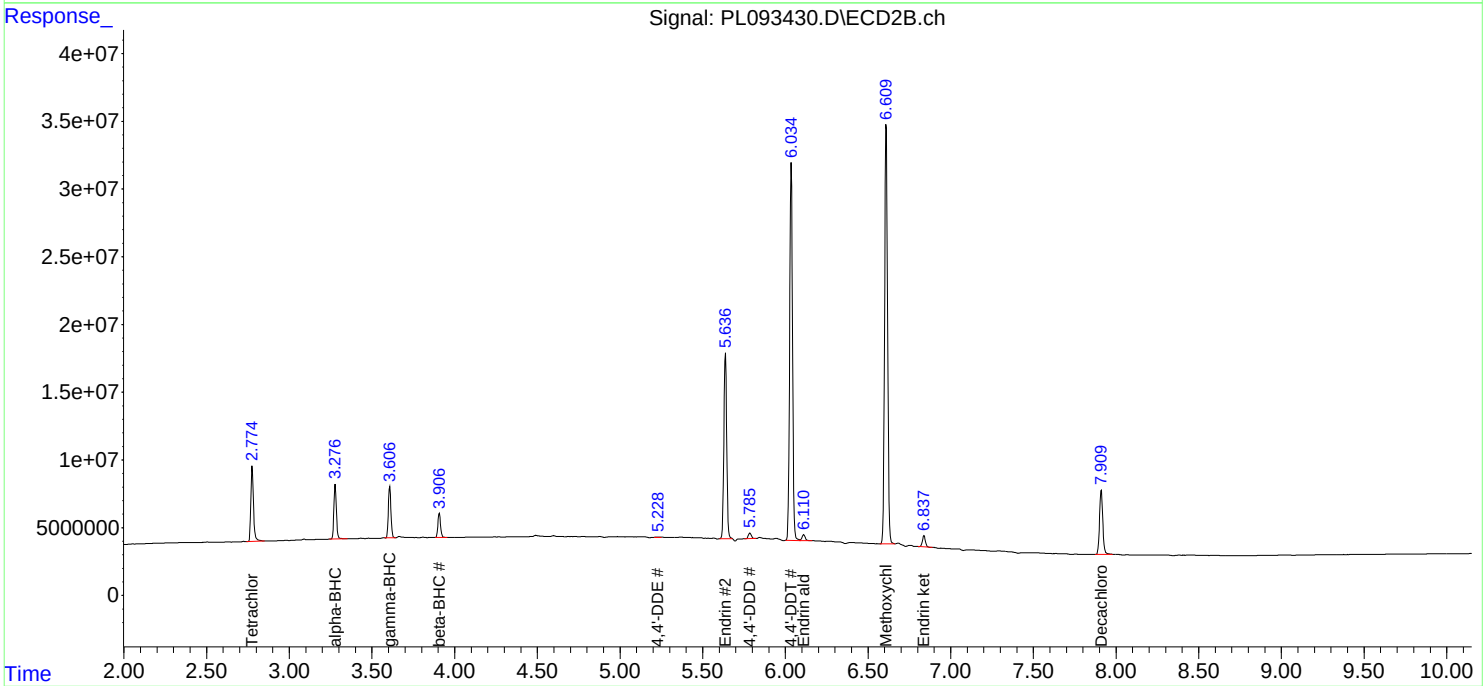
Instrument :
ECD_L
ClientSampleId :
PEM

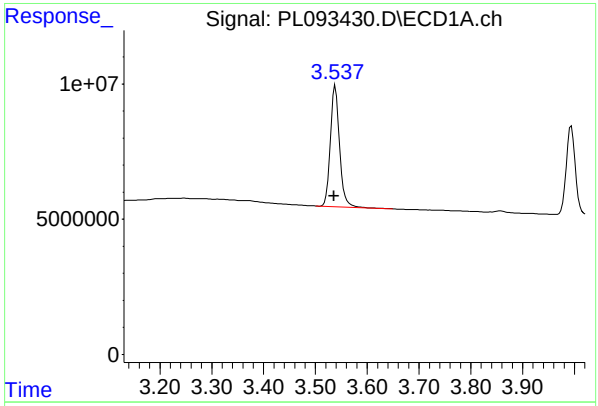
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







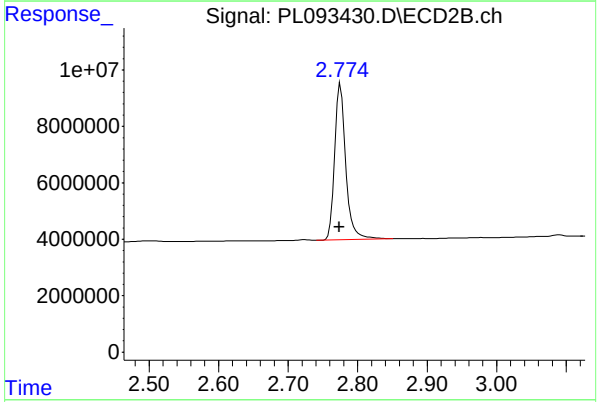
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 54842103
Conc: 21.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

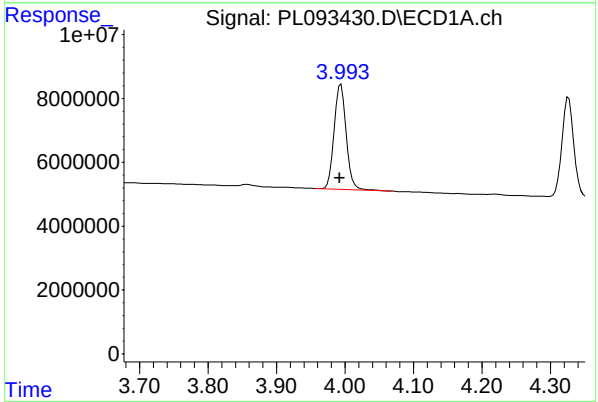
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



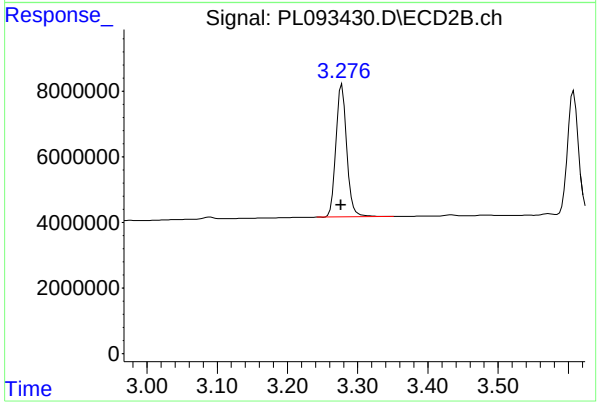
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.002 min
Response: 61485454
Conc: 21.32 ng/ml



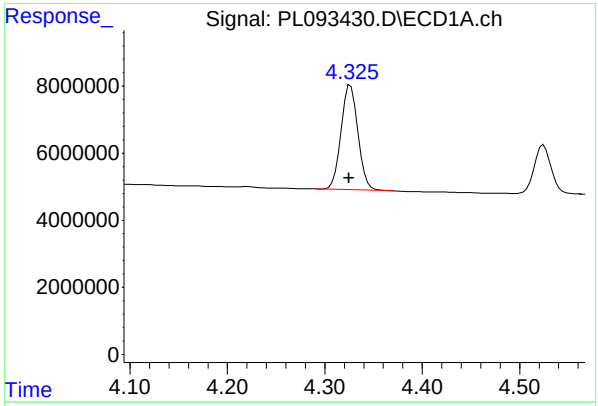
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.002 min
Response: 40161881
Conc: 11.25 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 43396898
Conc: 10.16 ng/ml



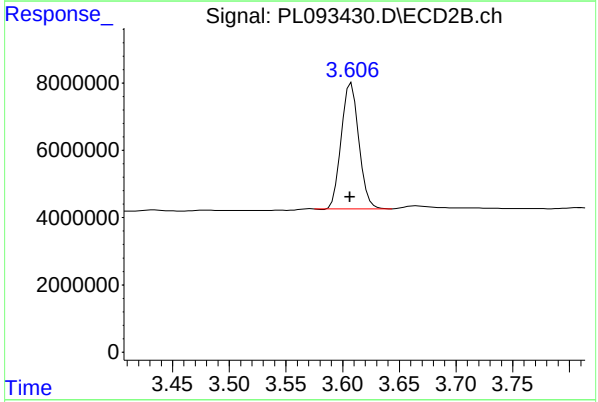
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.002 min
Response: 37454421
Conc: 11.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

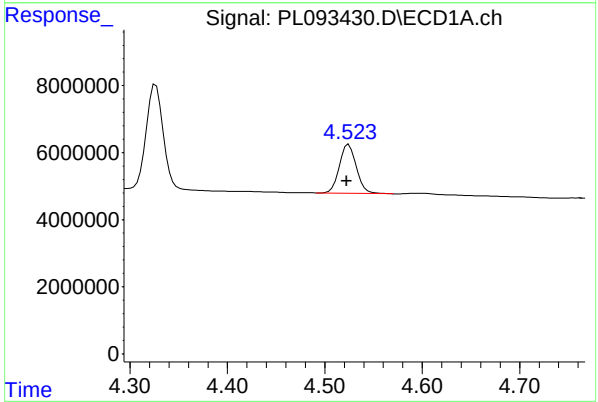
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



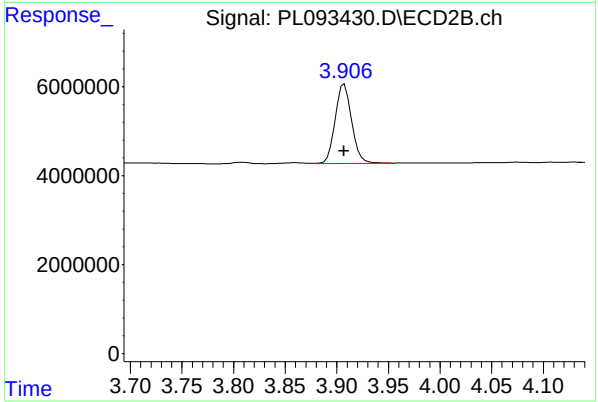
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.001 min
Response: 40363627
Conc: 9.75 ng/ml



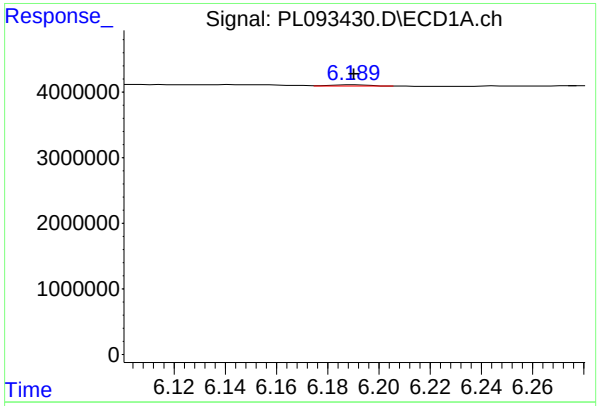
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 17591975
Conc: 11.65 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 19888349
Conc: 11.18 ng/ml



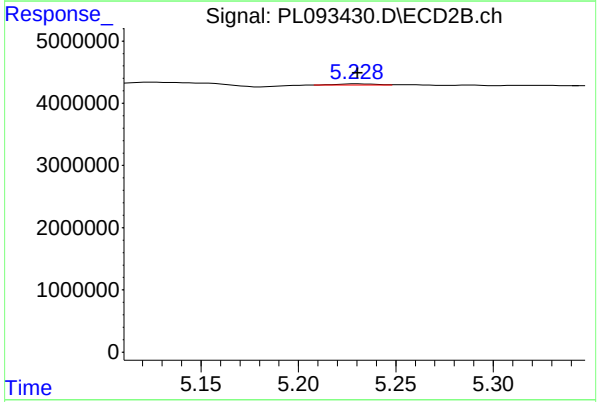
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 209046
Conc: 0.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

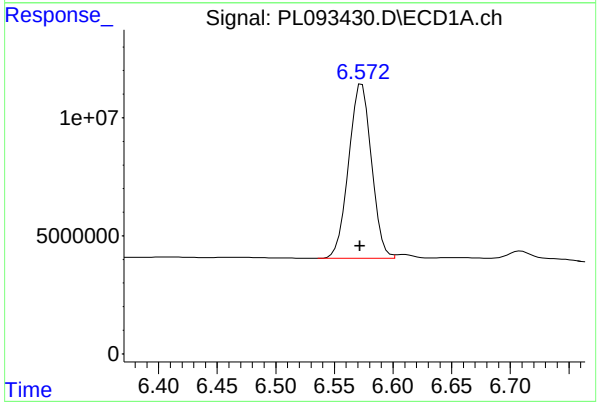
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



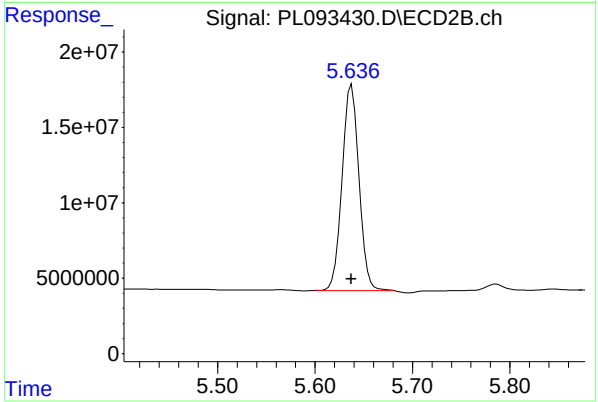
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.002 min
Response: 283194
Conc: 0.08 ng/ml m



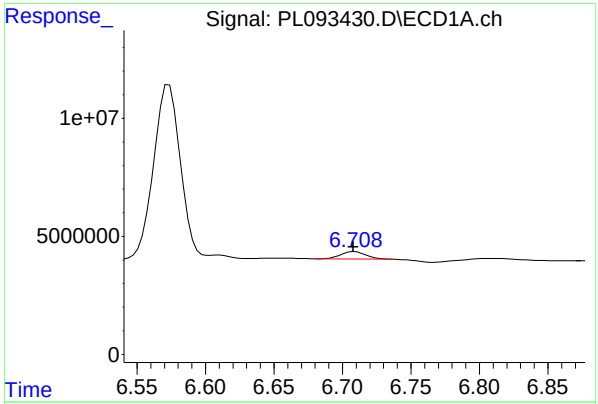
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 100584534
Conc: 47.95 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 163967884
Conc: 51.41 ng/ml



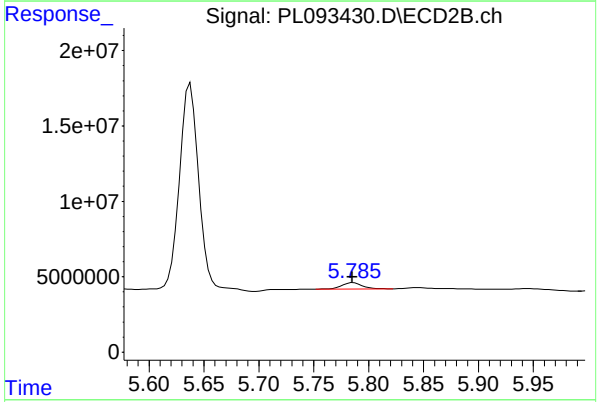
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 4059504
Conc: 2.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

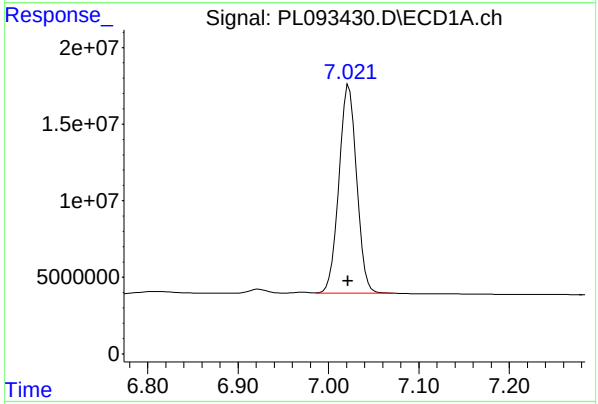
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



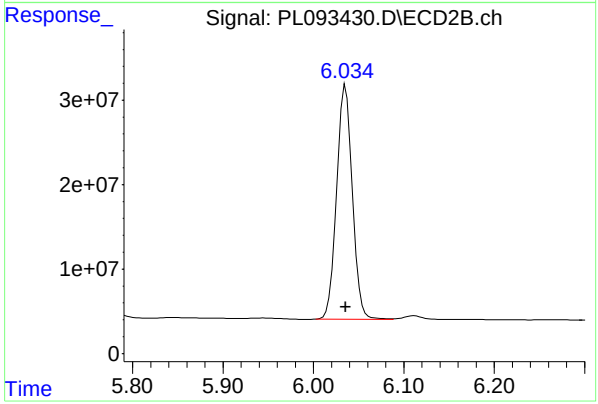
#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 5221303
Conc: 1.86 ng/ml



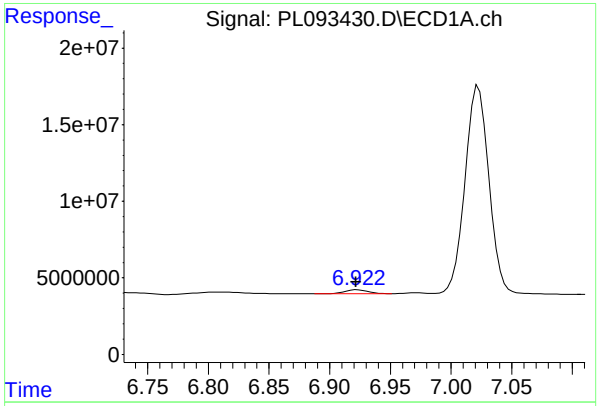
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 185670848
Conc: 96.31 ng/ml



#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 334947583
Conc: 113.09 ng/ml



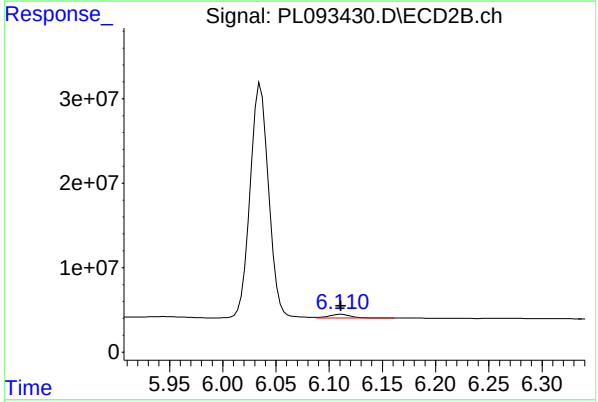
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.001 mi
Response: 3411811
Conc: 1.89 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

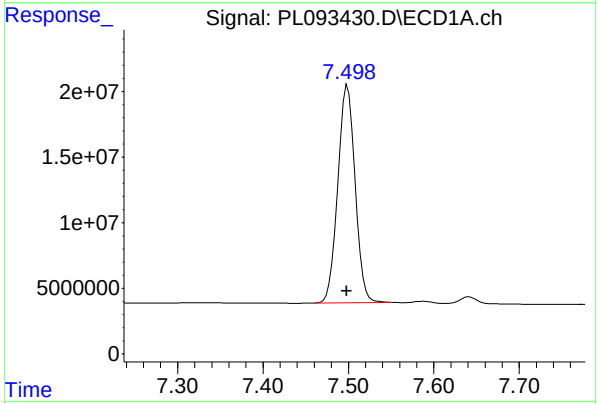
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



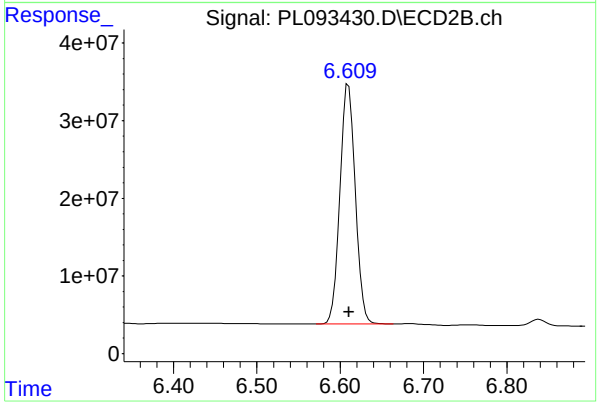
#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 5884876
Conc: 2.24 ng/ml



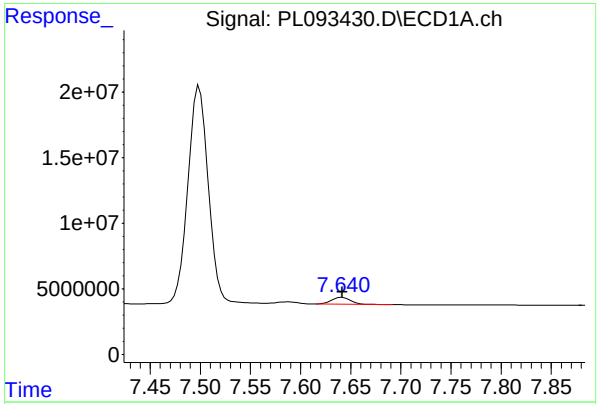
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 232821995
Conc: 222.82 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: -0.002 min
Response: 395176303
Conc: 258.80 ng/ml m



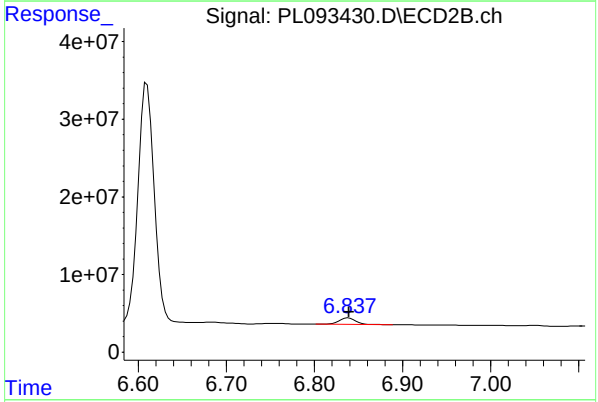
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 6826061
Conc: 3.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

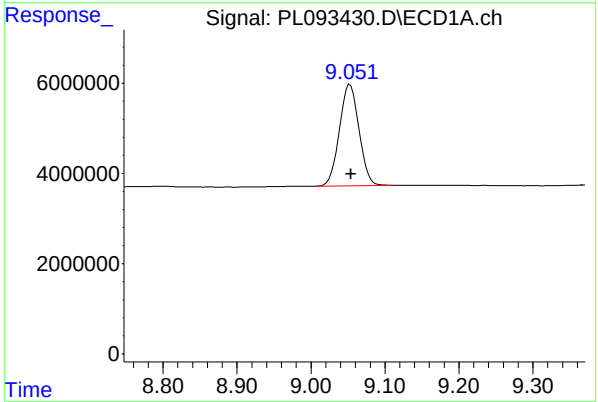
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/20/2024
Supervised By :Ankita Jodhani 12/20/2024



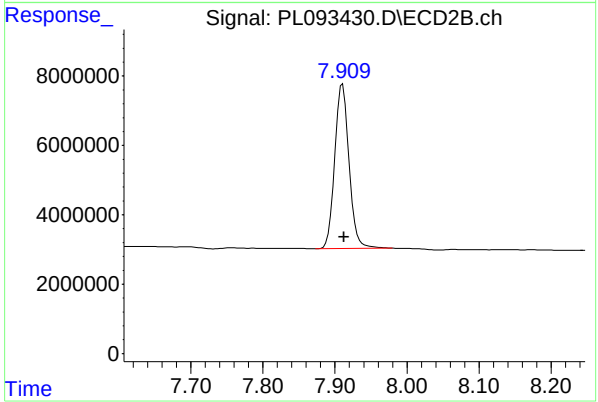
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 10256240
Conc: 3.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 41330076
Conc: 23.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 65058022
Conc: 22.78 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093232.D
Acq On : 25 Nov 2024 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Title : GC Extractables
Last Update : Mon Nov 25 13:59:47 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.535	5.936	100.00%
5.936	6.066	100.00%
6.066	6.189	100.00%
6.189	6.341	100.00%
6.341	7.155	100.00%
7.155	7.498	100.00%
7.498	7.641	100.00%
7.641	9.053	100.00%

Signal #2

2.773	4.977	100.00%
4.977	5.097	100.00%
5.097	5.230	100.00%
5.230	5.361	100.00%
5.361	6.334	100.00%
6.334	6.610	100.00%
6.610	6.839	100.00%
6.839	7.912	100.00%

PL112524.M Mon Nov 25 14:08:11 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:01:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.773	54676032	58584410	21.038	20.313
28)	SA Decachlor...	9.053	7.912	35915959	56984737	20.659	19.949
	Target Compounds						
9)	A Endosulfan I	6.066	5.097	26448576	32052155	10.865	9.588
10)	B gamma-Chl...	5.936	4.977	28264231	37839458	10.971	10.213
12)	B 4,4'-DDE	6.189	5.230	48654368	70439931	20.799	19.676
13)	MA Dieldrin	6.341	5.361	51992190	69461780	20.284	18.847
19)	B Endosulfa...	7.155	6.334	40004644	56150739	19.301	18.473
20)	A Methoxychlor	7.498	6.610	96484728	145.9E6	92.341	95.537
21)	B Endrin ke...	7.641	6.839	46046582	63046062	20.291	18.780

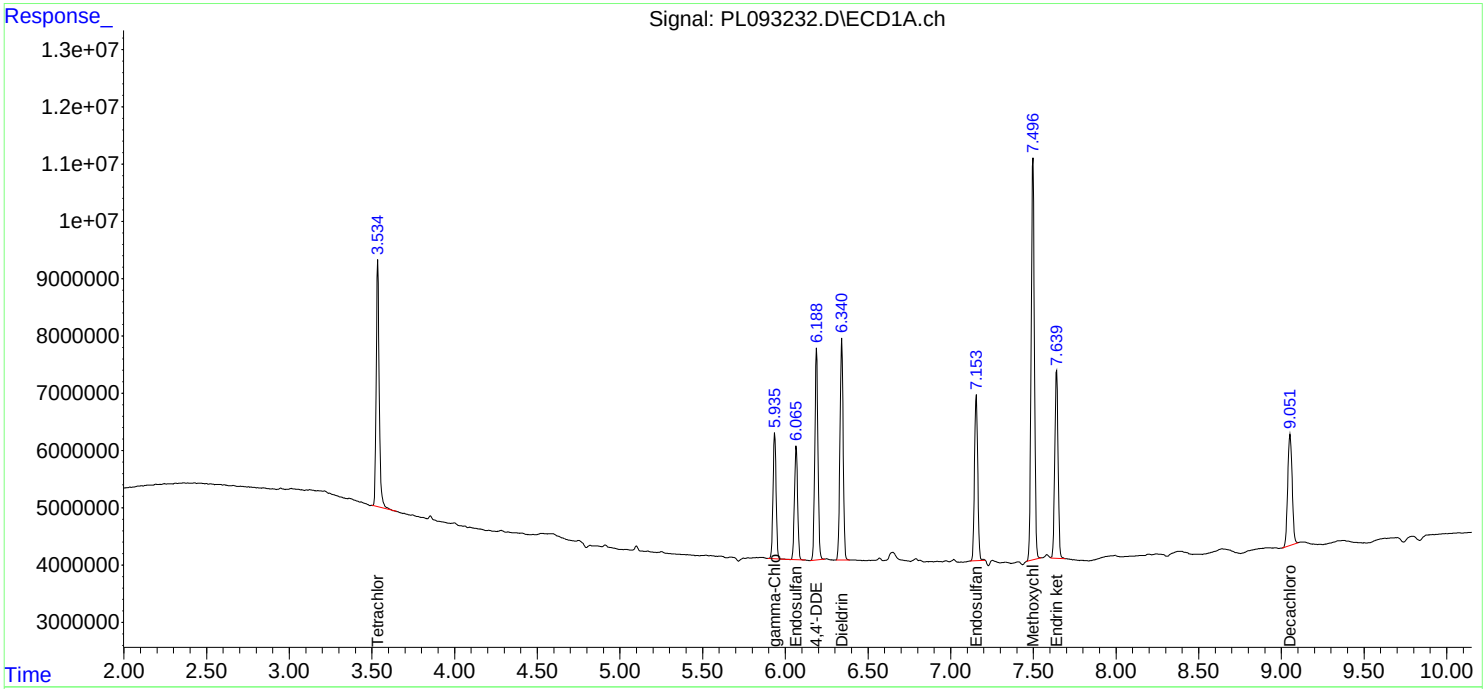
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

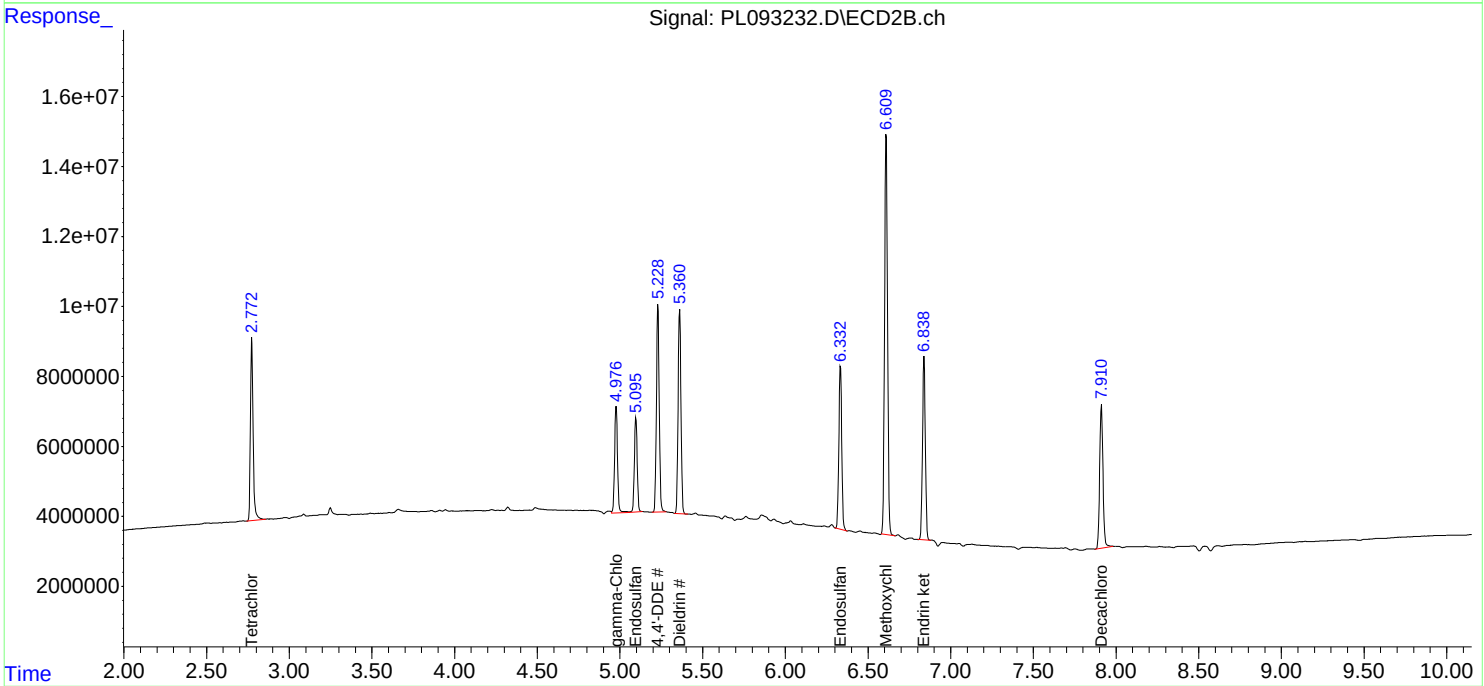
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

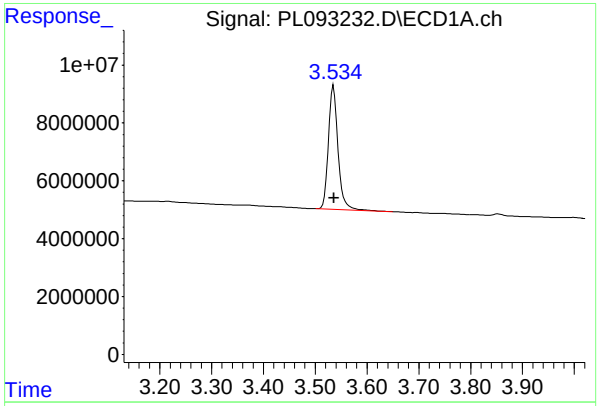
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:01:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



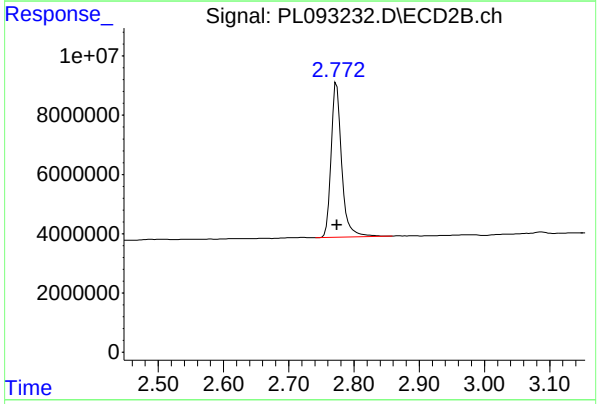




#1 Tetrachloro-m-xylene

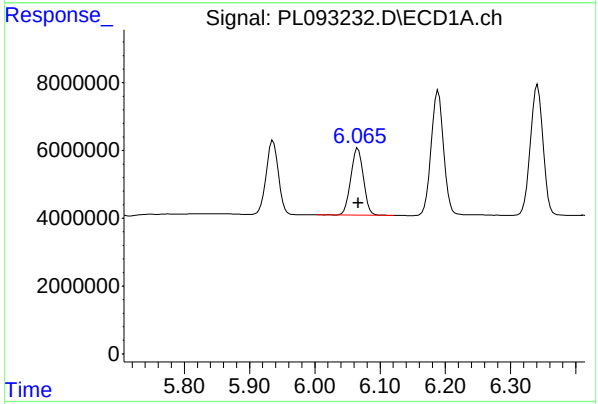
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 54676032
Conc: 21.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



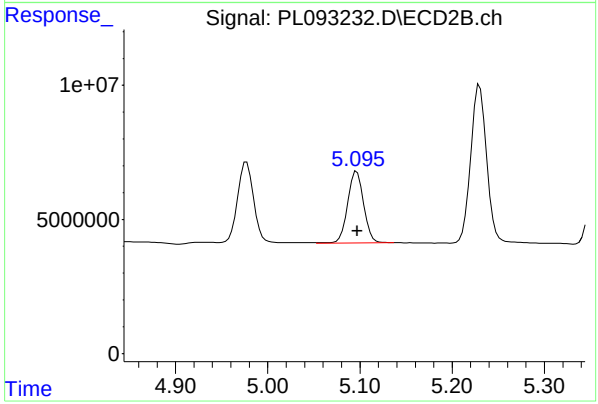
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 58584410
Conc: 20.31 ng/ml



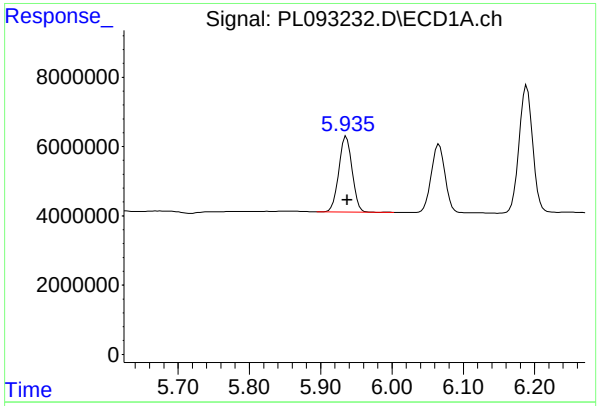
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 26448576
Conc: 10.87 ng/ml



#9 Endosulfan I

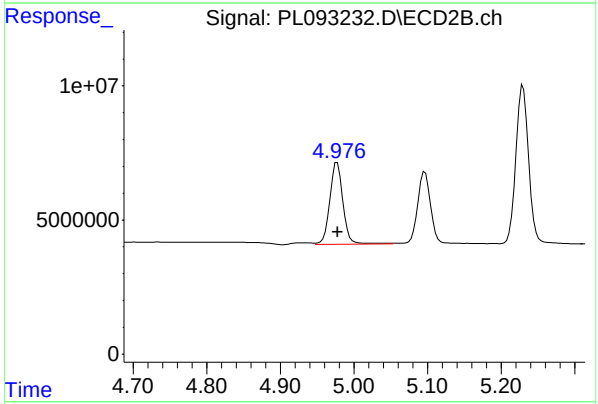
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 32052155
Conc: 9.59 ng/ml



#10 gamma-Chlordane

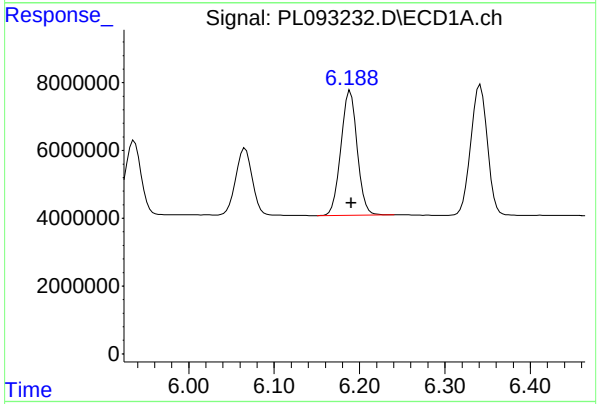
R.T.: 5.936 min
Delta R.T.: -0.001 min
Response: 28264231
Conc: 10.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



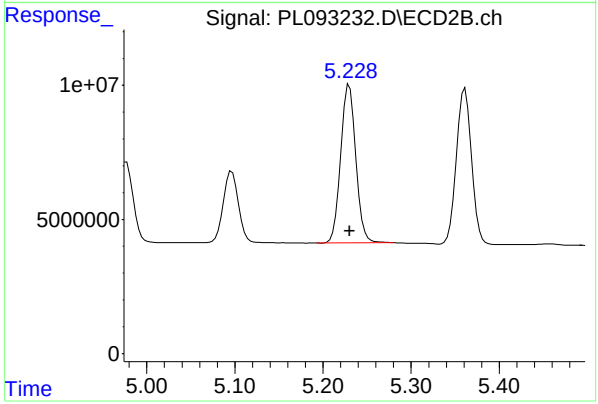
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 37839458
Conc: 10.21 ng/ml



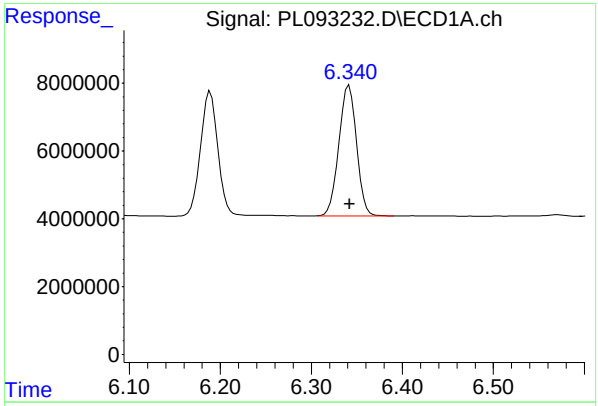
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 48654368
Conc: 20.80 ng/ml



#12 4,4'-DDE

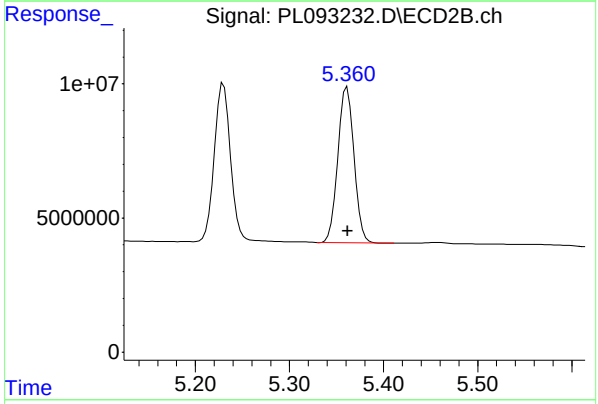
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 70439931
Conc: 19.68 ng/ml



#13 Dieldrin

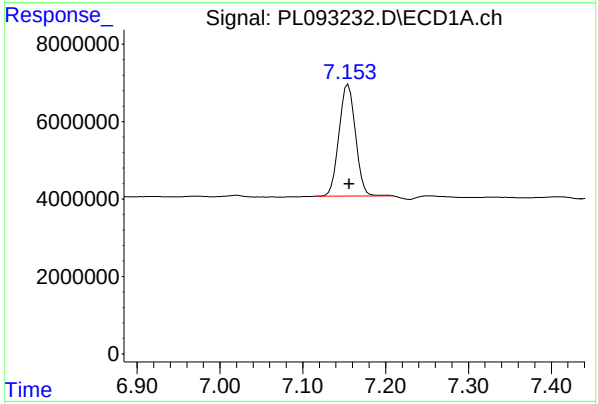
R.T.: 6.341 min
Delta R.T.: 0.000 min
Response: 51992190
Conc: 20.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



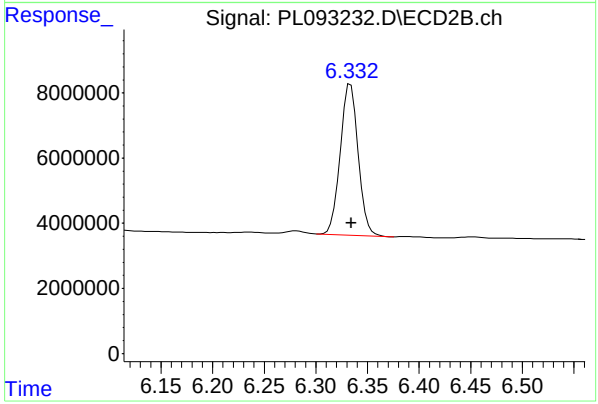
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 69461780
Conc: 18.85 ng/ml



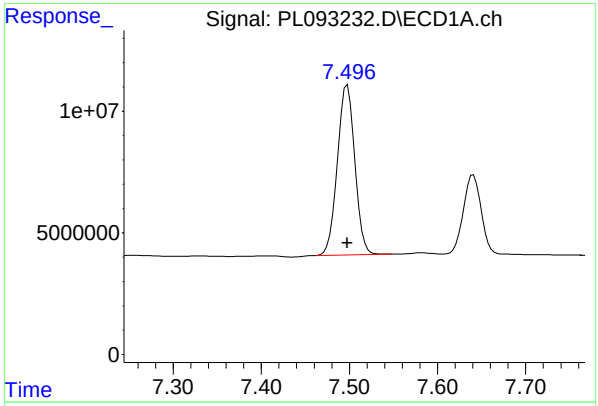
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.001 min
Response: 40004644
Conc: 19.30 ng/ml



#19 Endosulfan Sulfate

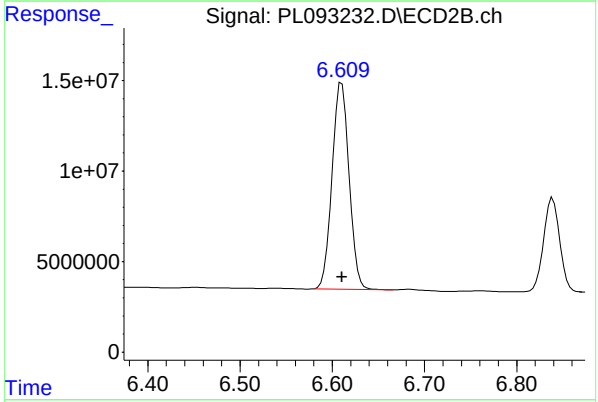
R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 56150739
Conc: 18.47 ng/ml



#20 Methoxychlor

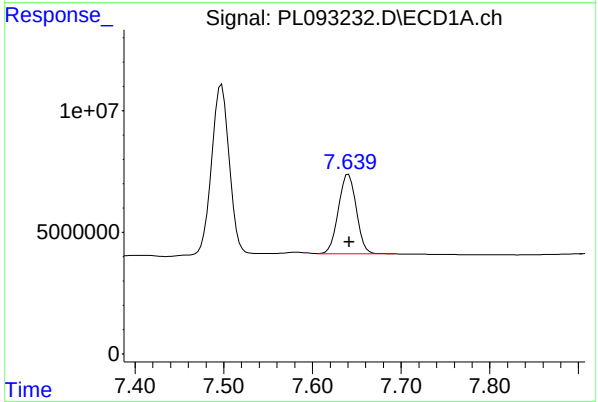
R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 96484728
Conc: 92.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



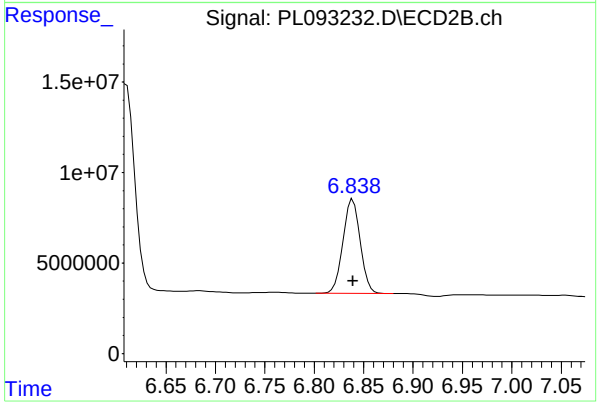
#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 145879547
Conc: 95.54 ng/ml



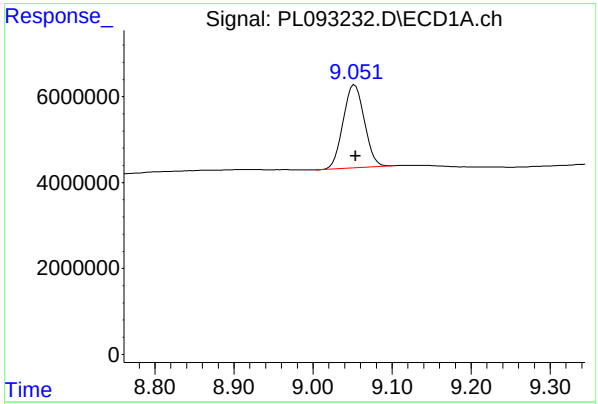
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 46046582
Conc: 20.29 ng/ml



#21 Endrin ketone

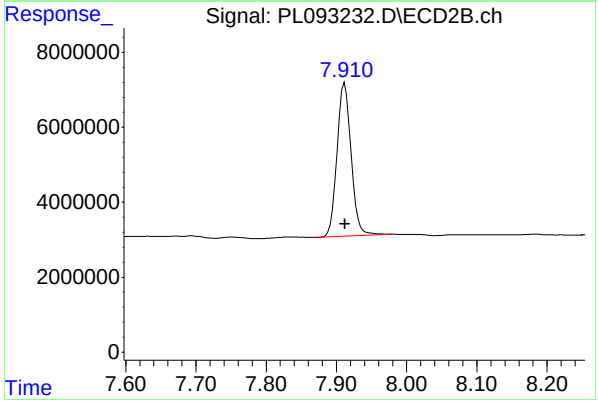
R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 63046062
Conc: 18.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 mi
Response: 35915959
Conc: 20.66 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 56984737
Conc: 19.95 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** P5306

Project: Raymark Superfund Site **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/25/2024 11/25/2024

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 #
I.BLK	I.BLK	11/25/2024	10:52	PL093230.D	9.05	3.54
PEM	PEM	11/25/2024	11:05	PL093231.D	9.05	3.54
RESCHK	RESCHK	11/25/2024	11:18	PL093232.D	9.05	3.54
PSTDICC100	PSTDICC100	11/25/2024	11:32	PL093233.D	9.05	3.54
PSTDICC075	PSTDICC075	11/25/2024	11:45	PL093234.D	9.05	3.54
PSTDICC050	PSTDICC050	11/25/2024	11:58	PL093235.D	9.05	3.54
PSTDICC025	PSTDICC025	11/25/2024	12:11	PL093236.D	9.05	3.54
PSTDICC005	PSTDICC005	11/25/2024	12:25	PL093237.D	9.05	3.54
PCHLORICC500	PCHLORICC500	11/25/2024	13:04	PL093240.D	9.05	3.54
PTOXICC500	PTOXICC500	11/25/2024	14:11	PL093245.D	9.05	3.54
PEM	PEM	12/18/2024	10:48	PL093408.D	9.05	3.54
I.BLK	I.BLK	12/18/2024	14:10	PL093414.D	9.07	3.55
PSTDCCC050	PSTDCCC050	12/18/2024	14:24	PL093415.D	9.06	3.54
PB165704BL	PB165704BL	12/18/2024	15:49	PL093416.D	9.06	3.55
PB165704BS	PB165704BS	12/18/2024	16:03	PL093417.D	9.06	3.54
OU4-VSL-07-121224	P5306-01	12/18/2024	16:58	PL093421.D	9.06	3.54
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	17:11	PL093422.D	9.06	3.54
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	17:24	PL093423.D	9.06	3.54
OU4-VSL-08-121224	P5306-03	12/18/2024	17:38	PL093424.D	9.06	3.54
OU4-VSL-09-121224	P5306-05	12/18/2024	17:51	PL093425.D	9.06	3.54
I.BLK	I.BLK	12/18/2024	18:04	PL093426.D	9.06	3.54
PSTDCCC050	PSTDCCC050	12/18/2024	18:18	PL093427.D	9.06	3.54
I.BLK	I.BLK	12/19/2024	12:26	PL093429.D	9.06	3.54
PEM	PEM	12/19/2024	12:39	PL093430.D	9.05	3.54
PSTDCCC050	PSTDCCC050	12/19/2024	12:52	PL093431.D	9.05	3.54
OU4-VSL-10-121224	P5306-07	12/19/2024	15:47	PL093436.D	9.06	3.54
OU4-VSL-11-121224	P5306-09	12/19/2024	16:00	PL093437.D	9.05	3.54
OU4-VSL-12-121224	P5306-11	12/19/2024	16:14	PL093438.D	9.05	3.54
OU4-VSL-13-121224	P5306-13	12/19/2024	16:27	PL093439.D	9.05	3.54
OU4-VSL-14-121224	P5306-15	12/19/2024	16:40	PL093440.D	9.05	3.54
I.BLK	I.BLK	12/19/2024	16:54	PL093441.D	9.05	3.54
PSTDCCC050	PSTDCCC050	12/19/2024	17:07	PL093442.D	9.05	3.54

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

Analytical Sequence

Client: Nobis Group **SDG No.:** P5306

Project: Raymark Superfund Site **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/25/2024 11/25/2024

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 #
I.BLK	I.BLK	11/25/2024	10:52	PL093230.D	7.91	2.77
PEM	PEM	11/25/2024	11:05	PL093231.D	7.91	2.77
RESCHK	RESCHK	11/25/2024	11:18	PL093232.D	7.91	2.77
PSTDICC100	PSTDICC100	11/25/2024	11:32	PL093233.D	7.91	2.77
PSTDICC075	PSTDICC075	11/25/2024	11:45	PL093234.D	7.91	2.77
PSTDICC050	PSTDICC050	11/25/2024	11:58	PL093235.D	7.91	2.77
PSTDICC025	PSTDICC025	11/25/2024	12:11	PL093236.D	7.91	2.77
PSTDICC005	PSTDICC005	11/25/2024	12:25	PL093237.D	7.91	2.77
PCHLORICC500	PCHLORICC500	11/25/2024	13:04	PL093240.D	7.91	2.77
PTOXICC500	PTOXICC500	11/25/2024	14:11	PL093245.D	7.91	2.77
PEM	PEM	12/18/2024	10:48	PL093408.D	7.91	2.78
I.BLK	I.BLK	12/18/2024	14:10	PL093414.D	7.92	2.78
PSTDCCC050	PSTDCCC050	12/18/2024	14:24	PL093415.D	7.91	2.78
PB165704BL	PB165704BL	12/18/2024	15:49	PL093416.D	7.92	2.78
PB165704BS	PB165704BS	12/18/2024	16:03	PL093417.D	7.91	2.78
OU4-VSL-07-121224	P5306-01	12/18/2024	16:58	PL093421.D	7.91	2.78
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	17:11	PL093422.D	7.91	2.78
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	17:24	PL093423.D	7.91	2.78
OU4-VSL-08-121224	P5306-03	12/18/2024	17:38	PL093424.D	7.91	2.78
OU4-VSL-09-121224	P5306-05	12/18/2024	17:51	PL093425.D	7.91	2.78
I.BLK	I.BLK	12/18/2024	18:04	PL093426.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/18/2024	18:18	PL093427.D	7.91	2.78
I.BLK	I.BLK	12/19/2024	12:26	PL093429.D	7.91	2.78
PEM	PEM	12/19/2024	12:39	PL093430.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/19/2024	12:52	PL093431.D	7.91	2.78
OU4-VSL-10-121224	P5306-07	12/19/2024	15:47	PL093436.D	7.91	2.78
OU4-VSL-11-121224	P5306-09	12/19/2024	16:00	PL093437.D	7.91	2.77
OU4-VSL-12-121224	P5306-11	12/19/2024	16:14	PL093438.D	7.91	2.78
OU4-VSL-13-121224	P5306-13	12/19/2024	16:27	PL093439.D	7.91	2.77
OU4-VSL-14-121224	P5306-15	12/19/2024	16:40	PL093440.D	7.91	2.77
I.BLK	I.BLK	12/19/2024	16:54	PL093441.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/19/2024	17:07	PL093442.D	7.91	2.78

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-VSL-07-121224MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: P5306-01MS **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	19.2	1.6
	2	5.79	5.74	5.84	18.9	
4,4'-DDE	1	6.19	6.14	6.24	18.2	4.3
	2	5.23	5.18	5.28	19.0	
4,4'-DDT	1	7.02	6.97	7.07	19.5	3
	2	6.04	5.99	6.09	20.1	
alpha-BHC	1	4.00	3.95	4.05	17.4	5
	2	3.28	3.23	3.33	18.3	
Aldrin	1	5.26	5.21	5.31	17.3	4.5
	2	4.23	4.18	4.28	18.1	
alpha-Chlordane	1	6.02	5.97	6.07	18.1	5.9
	2	5.04	4.99	5.09	19.2	
Endosulfan II	1	6.79	6.74	6.84	19.0	1
	2	5.93	5.88	5.98	19.2	
Endosulfan sulfate	1	7.16	7.11	7.21	18.5	3.2
	2	6.34	6.29	6.39	19.1	
beta-BHC	1	4.53	4.48	4.58	17.8	3.9
	2	3.91	3.86	3.96	18.5	
delta-BHC	1	4.77	4.72	4.82	16.6	4.1
	2	4.14	4.09	4.19	17.3	
Endosulfan I	1	6.07	6.02	6.12	18.0	5.4
	2	5.10	5.05	5.15	19.0	
Dieldrin	1	6.34	6.29	6.39	18.0	4.9
	2	5.36	5.31	5.41	18.9	
Endrin aldehyde	1	6.92	6.87	6.97	17.7	3.3
	2	6.11	6.06	6.16	18.3	
Methoxychlor	1	7.50	7.45	7.55	19.6	1.5
	2	6.61	6.56	6.66	19.9	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: P5306-01MS **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.64	7.59	7.69	18.7	5.7
	2	6.84	6.79	6.89	19.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.4	3.4
	2	3.61	3.56	3.66	18.0	
Heptachlor	1	4.92	4.87	4.97	18.0	5.9
	2	3.95	3.90	4.00	19.1	
Heptachlor epoxide	1	5.68	5.63	5.73	17.2	7.8
	2	4.73	4.68	4.78	18.6	
gamma-Chlordane	1	5.94	5.89	5.99	18.1	6.4
	2	4.98	4.93	5.03	19.3	
Endrin	1	6.57	6.52	6.62	19.1	3.6
	2	5.64	5.59	5.69	19.8	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: P5306-01MSD **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	19.4	2.6
	2	5.79	5.74	5.84	18.9	
4,4'-DDT	1	7.02	6.97	7.07	19.4	4
	2	6.04	5.99	6.09	20.2	
alpha-BHC	1	4.00	3.95	4.05	17.7	4.4
	2	3.28	3.23	3.33	18.5	
Aldrin	1	5.26	5.21	5.31	17.4	4.5
	2	4.23	4.18	4.28	18.2	
beta-BHC	1	4.53	4.48	4.58	18.0	3.3
	2	3.91	3.86	3.96	18.6	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	5.3
	2	5.04	4.99	5.09	19.2	
4,4'-DDE	1	6.19	6.14	6.24	18.4	4.3
	2	5.23	5.18	5.28	19.2	
Endosulfan II	1	6.79	6.74	6.84	19.0	1.6
	2	5.93	5.88	5.98	19.3	
Endrin aldehyde	1	6.93	6.88	6.98	17.8	2.2
	2	6.11	6.06	6.16	18.2	
Endosulfan sulfate	1	7.16	7.11	7.21	18.6	3.2
	2	6.34	6.29	6.39	19.2	
Methoxychlor	1	7.50	7.45	7.55	19.8	1.5
	2	6.61	6.56	6.66	20.1	
Endrin ketone	1	7.64	7.59	7.69	19.0	4.6
	2	6.84	6.79	6.89	19.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.6	3.4
	2	3.61	3.56	3.66	18.2	
Heptachlor	1	4.92	4.87	4.97	18.0	6.5
	2	3.95	3.90	4.00	19.2	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: P5306-01MSD **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
delta-BHC	1	4.77	4.72	4.82	16.7	4.1
	2	4.14	4.09	4.19	17.4	
Heptachlor epoxide	1	5.68	5.63	5.73	17.2	8.4
	2	4.73	4.68	4.78	18.7	
Endosulfan I	1	6.07	6.02	6.12	18.1	5.4
	2	5.10	5.05	5.15	19.1	
gamma-Chlordane	1	5.94	5.89	5.99	18.1	6.9
	2	4.98	4.93	5.03	19.4	
Dieldrin	1	6.35	6.30	6.40	18.0	5.9
	2	5.36	5.31	5.41	19.1	
Endrin	1	6.57	6.52	6.62	19.2	4.6
	2	5.64	5.59	5.69	20.1	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165704BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: PB165704BS **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan sulfate	1	7.16	7.11	7.21	16.8	6.3
	2	6.34	6.29	6.39	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.0	4.9
	2	3.28	3.23	3.33	16.8	
Aldrin	1	5.26	5.21	5.31	15.7	5.6
	2	4.23	4.18	4.28	16.6	
beta-BHC	1	4.53	4.48	4.58	15.9	5.5
	2	3.91	3.86	3.96	16.8	
delta-BHC	1	4.77	4.72	4.82	14.9	5.2
	2	4.14	4.09	4.19	15.7	
Endosulfan I	1	6.07	6.02	6.12	16.6	7
	2	5.10	5.05	5.15	17.8	
alpha-Chlordane	1	6.02	5.97	6.07	16.7	6.4
	2	5.04	4.99	5.09	17.8	
4,4'-DDE	1	6.19	6.14	6.24	16.7	5.2
	2	5.23	5.18	5.28	17.6	
Dieldrin	1	6.35	6.30	6.40	16.6	7.5
	2	5.36	5.31	5.41	17.9	
Endrin	1	6.58	6.53	6.63	17.6	6.6
	2	5.64	5.59	5.69	18.8	
Endrin aldehyde	1	6.93	6.88	6.98	16.3	6
	2	6.11	6.06	6.16	17.3	
Methoxychlor	1	7.50	7.45	7.55	17.7	3.9
	2	6.61	6.56	6.66	18.4	
Endrin ketone	1	7.64	7.59	7.69	17.2	7.3
	2	6.84	6.79	6.89	18.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.8	4.9
	2	3.61	3.56	3.66	16.6	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165704BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** P5306 **SAS No.:** P5306 **SDG NO.:** P5306

Lab Sample ID: PB165704BS **Date(s) Analyzed:** 12/18/2024 12/18/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor	1	4.92	4.87	4.97	16.5	6.5
	2	3.95	3.90	4.00	17.6	
Heptachlor epoxide	1	5.68	5.63	5.73	15.7	10.3
	2	4.73	4.68	4.78	17.4	
gamma-Chlordane	1	5.94	5.89	5.99	16.8	6.3
	2	4.98	4.93	5.03	17.9	
Endosulfan II	1	6.80	6.75	6.85	17.1	6.8
	2	5.93	5.88	5.98	18.3	
4,4'-DDD	1	6.71	6.66	6.76	17.3	3.4
	2	5.79	5.74	5.84	17.9	
4,4'-DDT	1	7.02	6.97	7.07	17.8	4.9
	2	6.04	5.99	6.09	18.7	

QC SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165704BL	SDG No.:	P5306
Lab Sample ID:	PB165704BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 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
PL093416.D	1	12/18/24 08:10	12/18/24 15:49	PB165704

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	23.3		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165704BL	SDG No.:	P5306
Lab Sample ID:	PB165704BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 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
PL093416.D	1	12/18/24 08:10	12/18/24 15:49	PB165704

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\PL121824\
Data File : PL093416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 15:49
Operator : AR\AJ
Sample : PB165704BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165704BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 08:46:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.545	2.776	49981179	53022973	19.231	18.385
28)	SA Decachlor...	9.062	7.915	40576341	63868601	23.339	22.359
	Target Compounds						

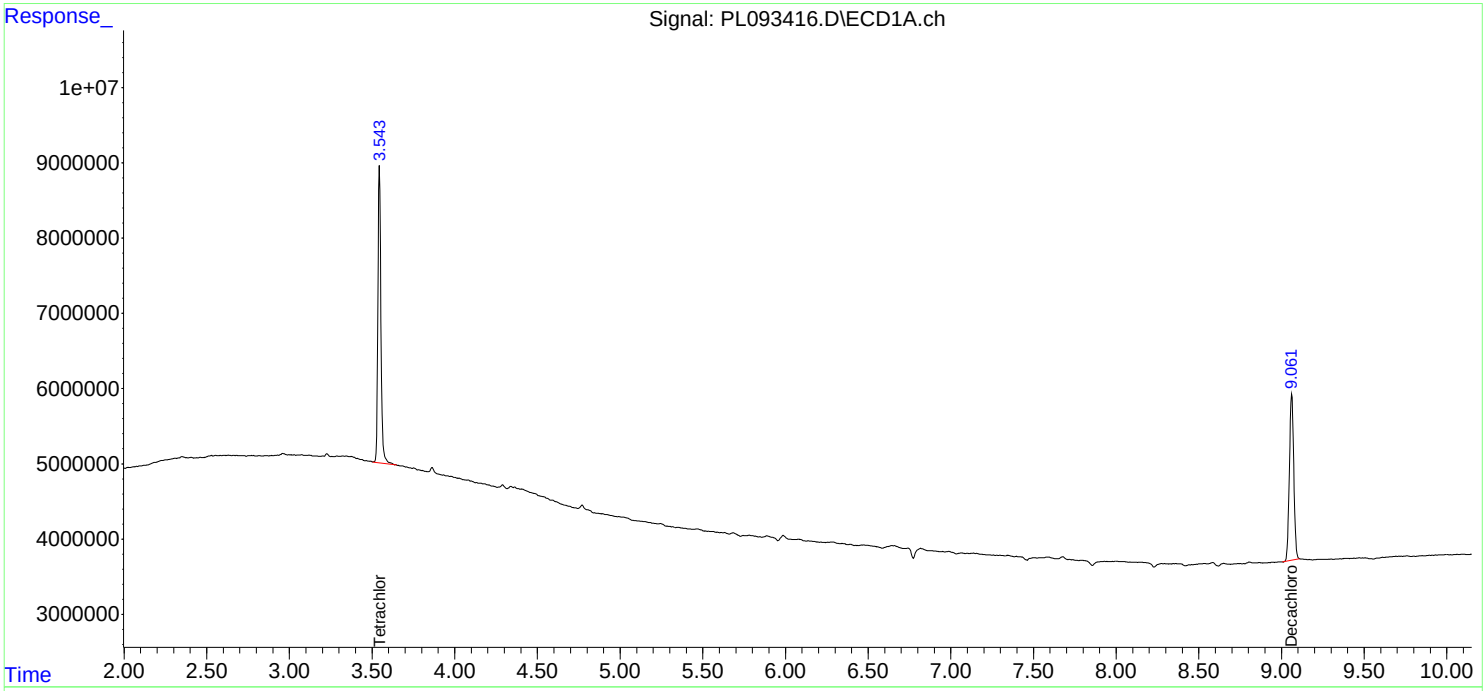
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

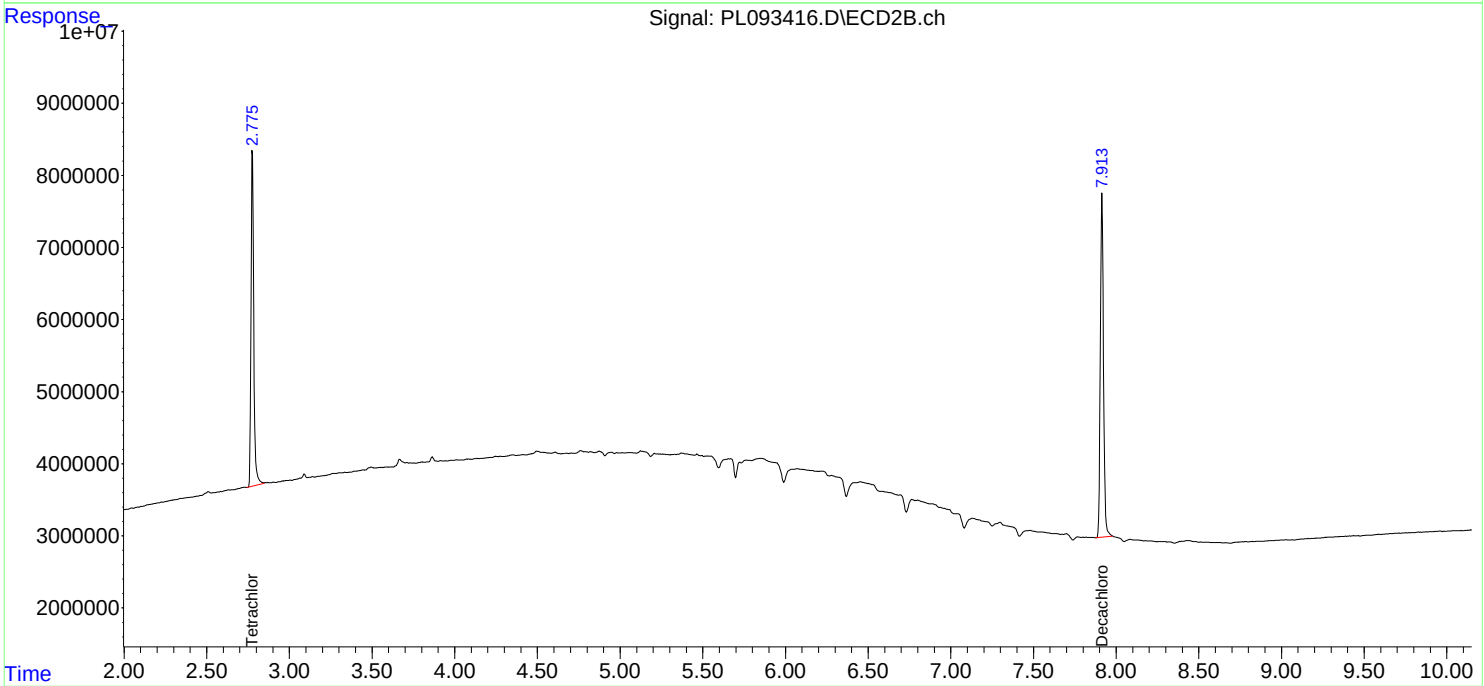
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093416.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 15:49
Operator : AR\AJ
Sample : PB165704BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

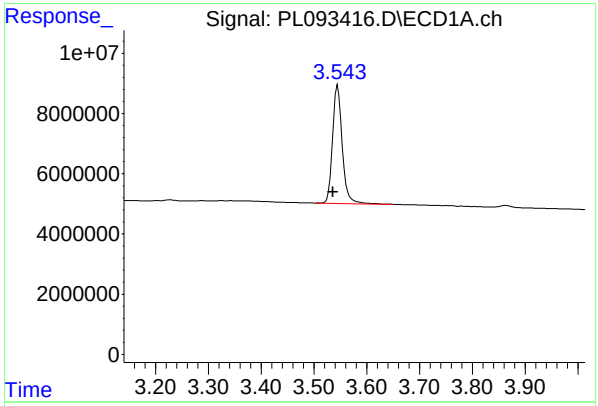
Instrument :
ECD_L
ClientSampleId :
PB165704BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 08:46:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



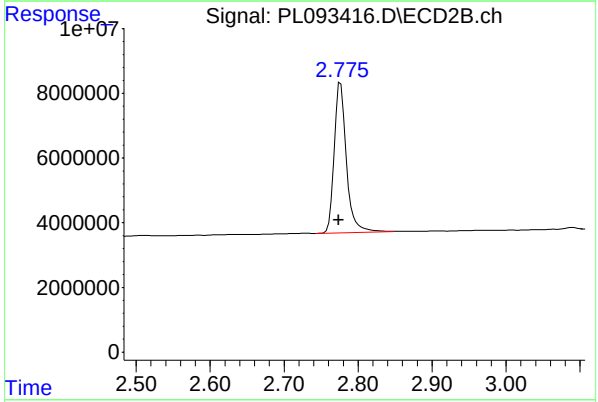




#1 Tetrachloro-m-xylene

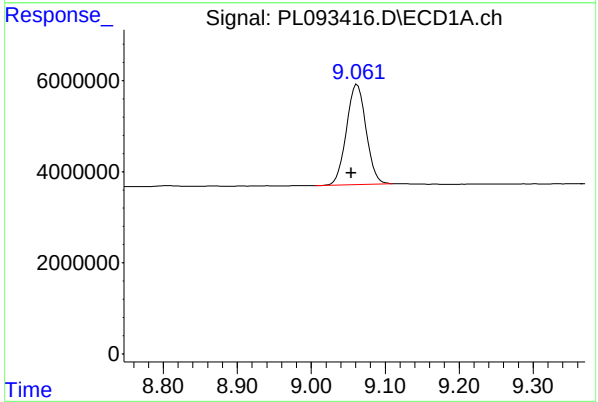
R.T.: 3.545 min
Delta R.T.: 0.009 min
Response: 49981179
Conc: 19.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BL



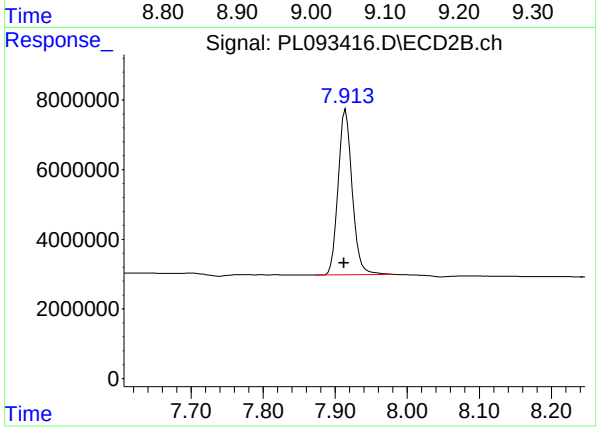
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.003 min
Response: 53022973
Conc: 18.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.008 min
Response: 40576341
Conc: 23.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.002 min
Response: 63868601
Conc: 22.36 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	11/25/24
Project:	Raymark Superfund Site	Date Received:	11/25/24
Client Sample ID:	PIBLK-PL093230.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093230.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
PL093230.D	1		11/25/24	PL112524

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	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.6		30 - 135		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		44 - 124		106%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	11/25/24
Project:	Raymark Superfund Site	Date Received:	11/25/24
Client Sample ID:	PIBLK-PL093230.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093230.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
PL093230.D	1		11/25/24	PL112524

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:00:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.773	54990096	58902224	21.158	20.424
28)	SA Decachlor...	9.053	7.912	37507670	61358215	21.574	21.481
	Target Compounds						

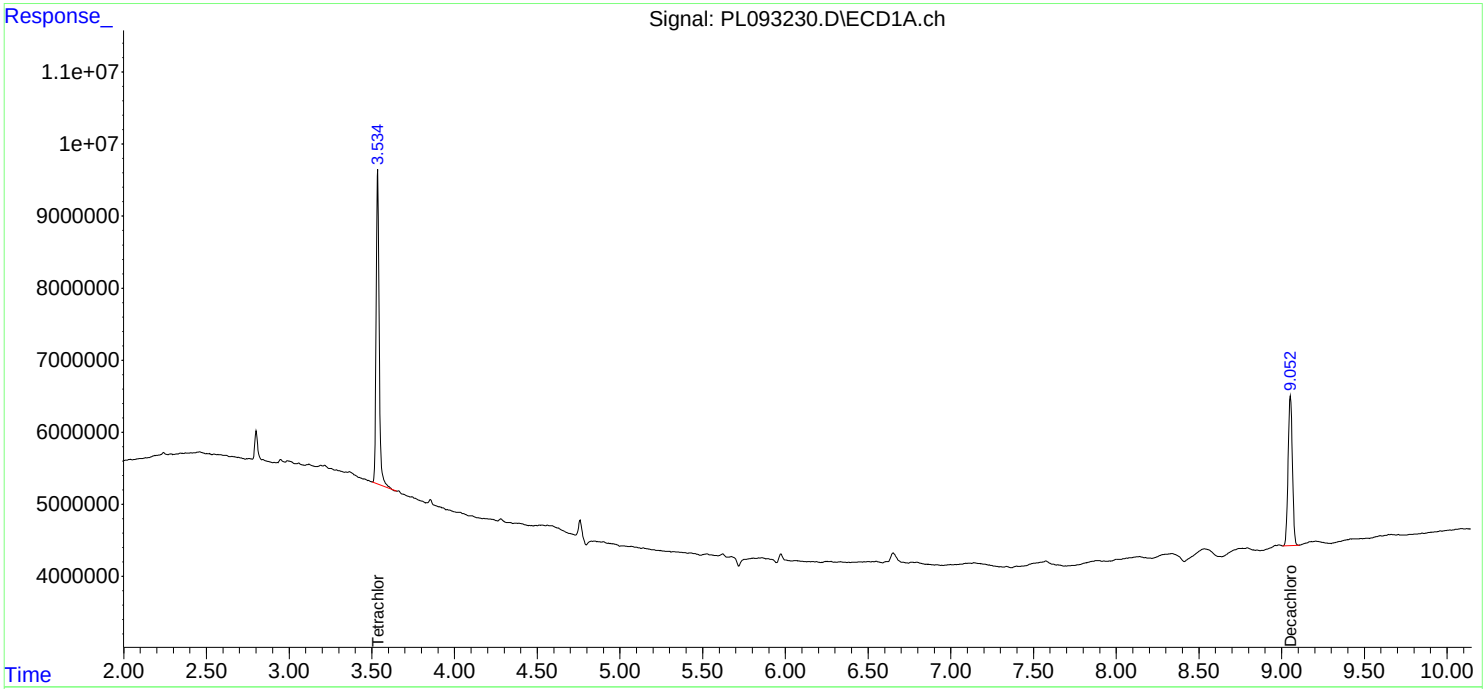
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

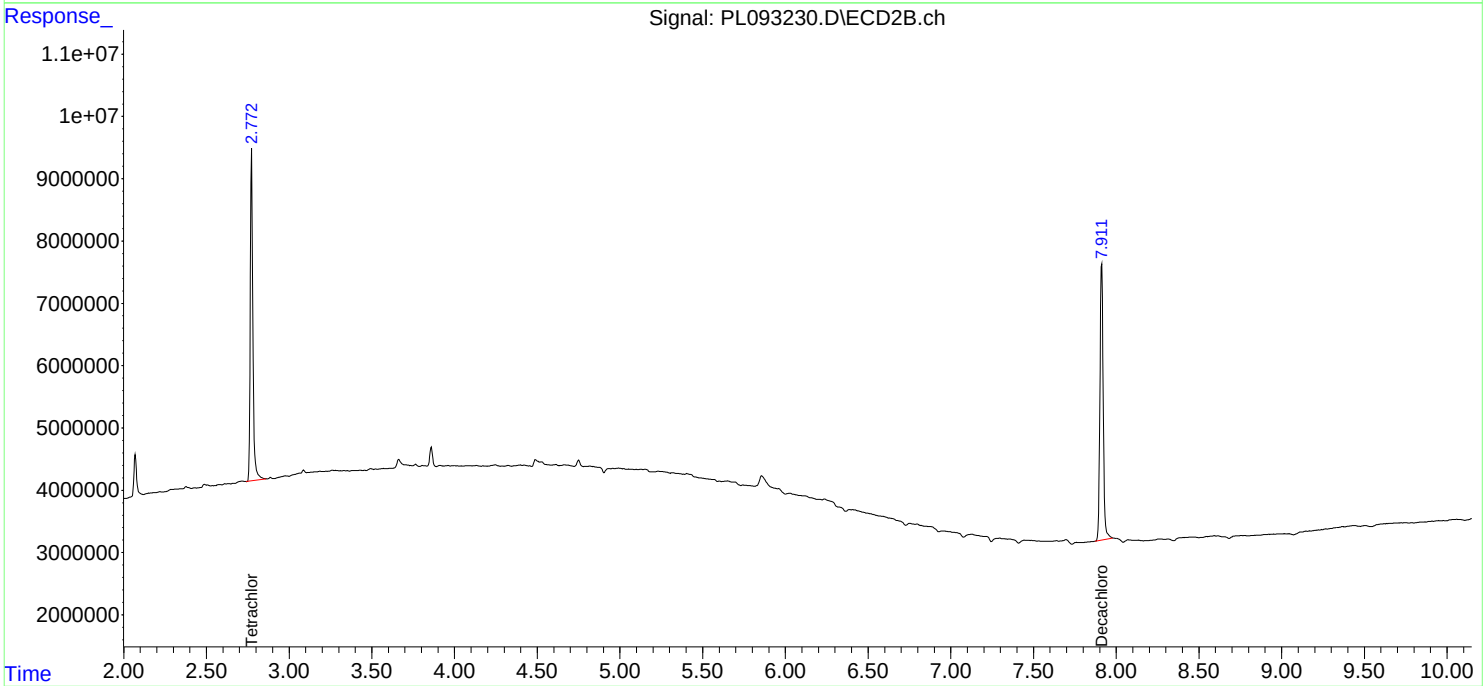
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 10:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

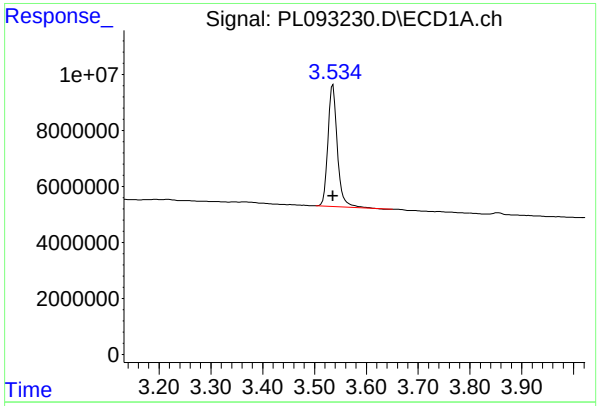
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:00:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



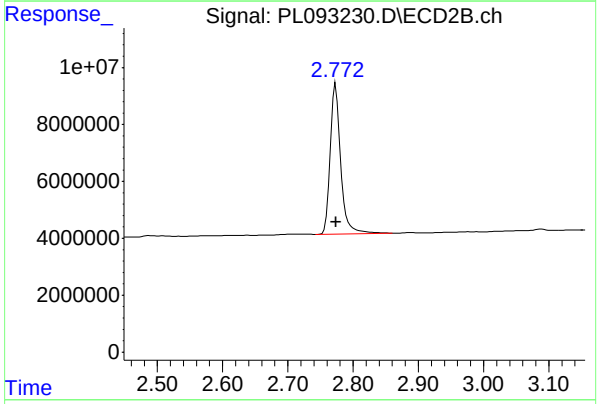




#1 Tetrachloro-m-xylene

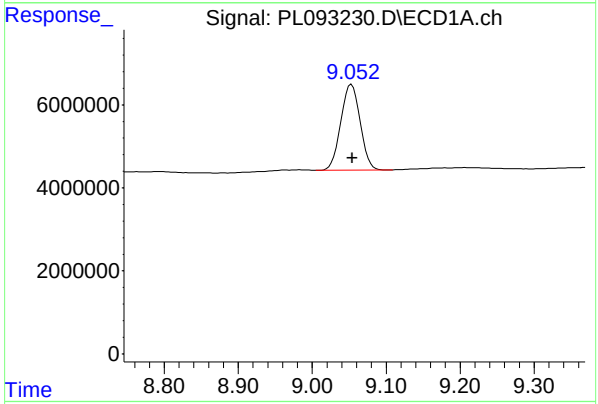
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 54990096
Conc: 21.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



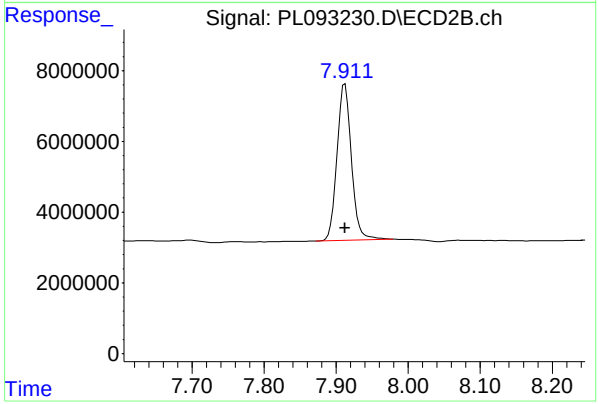
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 58902224
Conc: 20.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 37507670
Conc: 21.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 61358215
Conc: 21.48 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PL093414.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093414.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
PL093414.D	1		12/18/24	pl121824

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	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.8		30 - 135		124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		44 - 124		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PL093414.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093414.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
PL093414.D	1		12/18/24	pl121824

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:10
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: Dec 19 04:26:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.548	2.777	52816068	56284381	20.322	19.516
28)	SA Decachlor...	9.068	7.917	43120951	66992574	24.803	23.453
	Target Compounds						

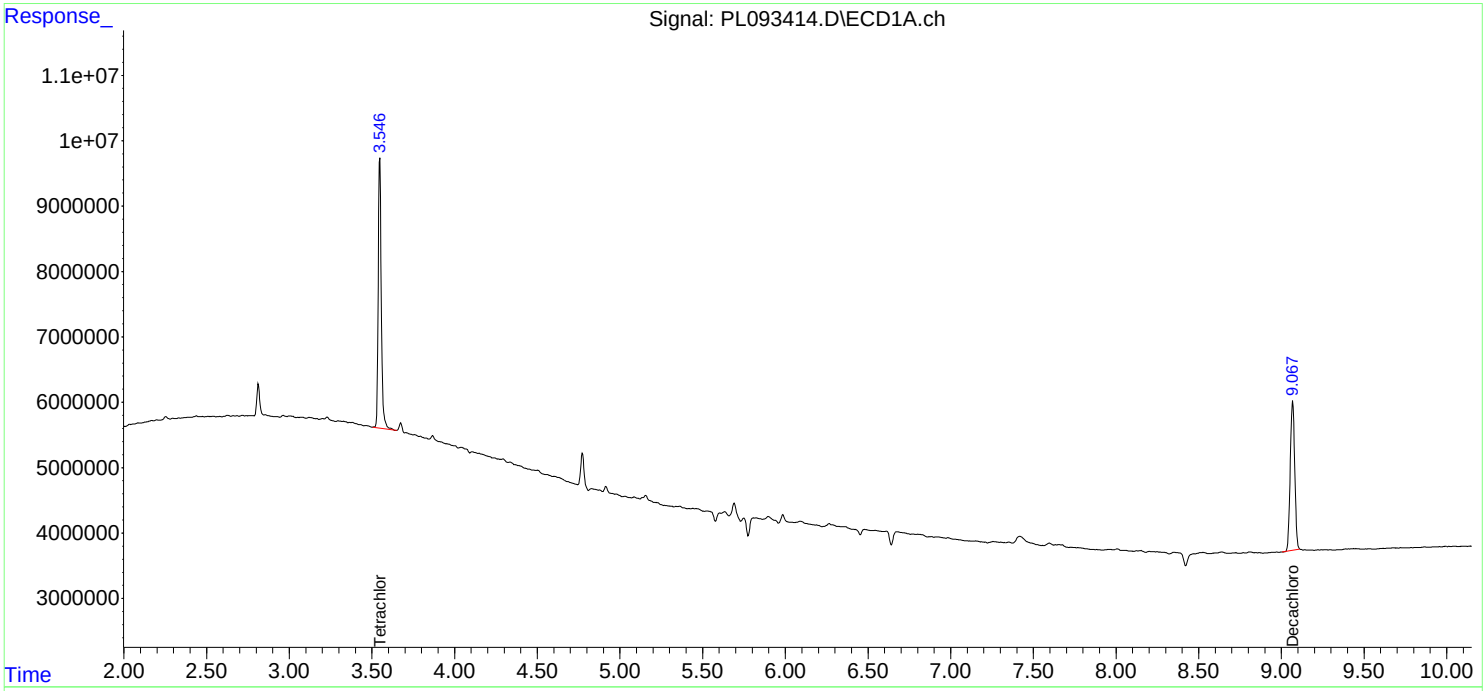
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

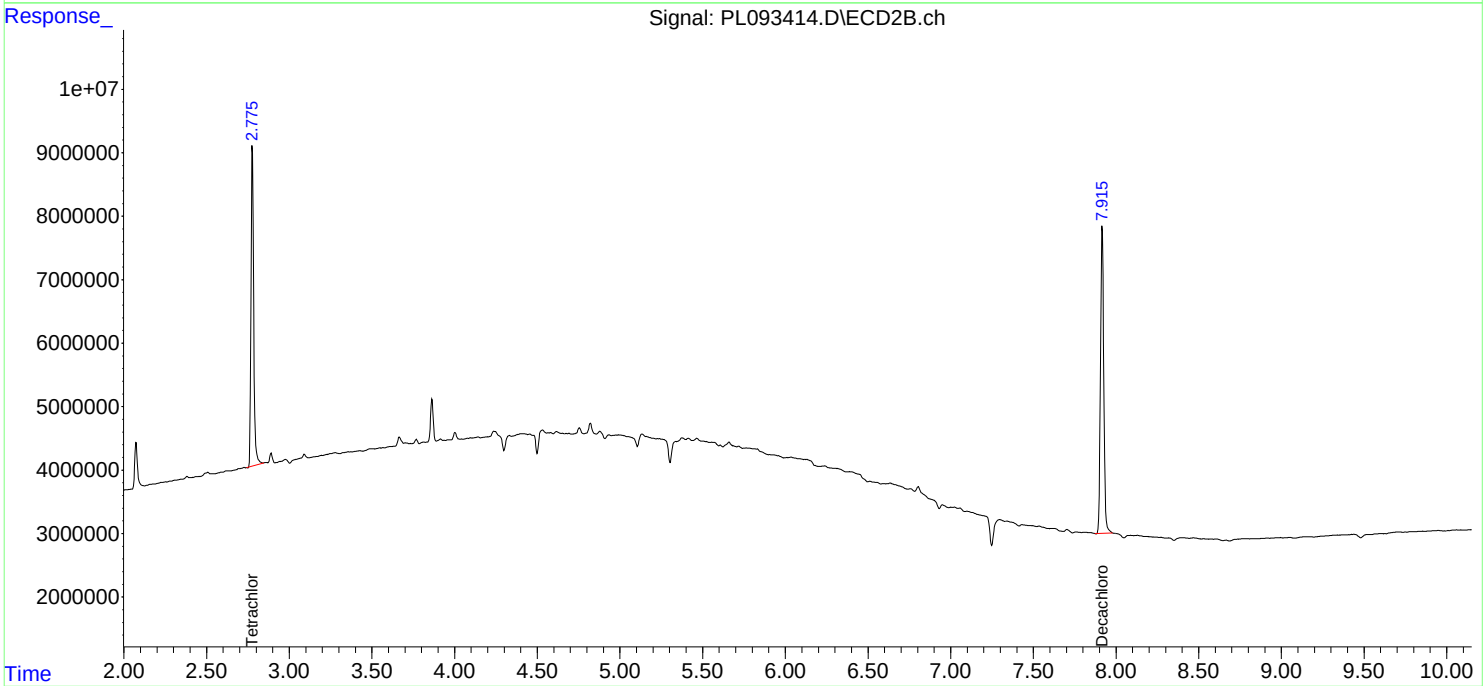
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:10
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

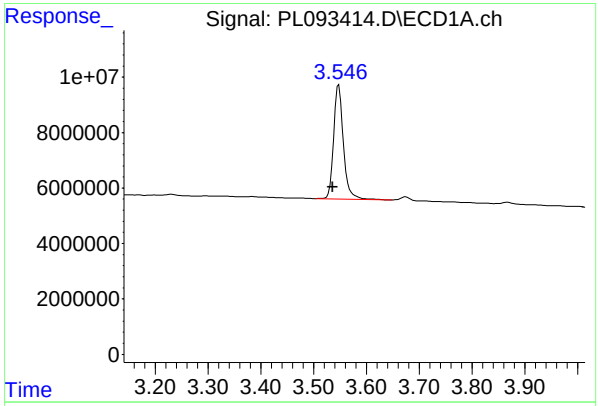
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:26:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



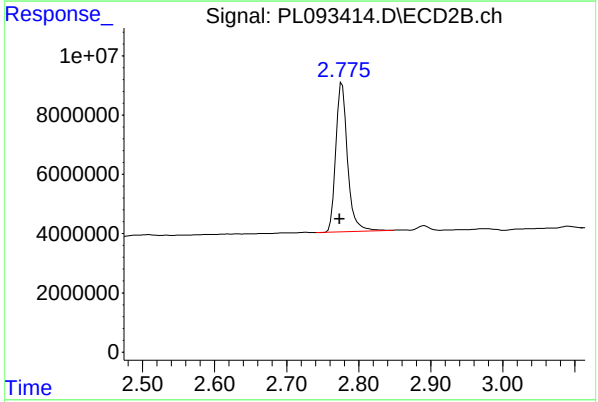




#1 Tetrachloro-m-xylene

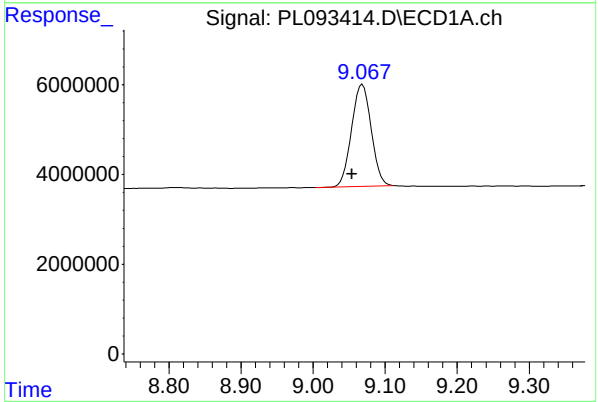
R.T.: 3.548 min
Delta R.T.: 0.012 min
Response: 52816068
Conc: 20.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



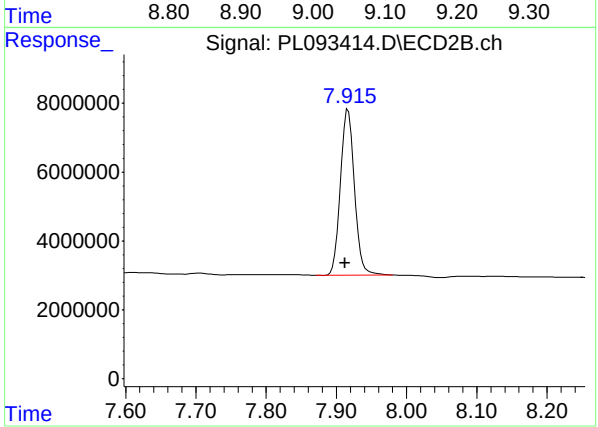
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.003 min
Response: 56284381
Conc: 19.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.014 min
Response: 43120951
Conc: 24.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.917 min
Delta R.T.: 0.004 min
Response: 66992574
Conc: 23.45 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PL093426.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093426.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
PL093426.D	1		12/18/24	pl121824

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	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		30 - 135		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		103%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/18/24
Project:	Raymark Superfund Site	Date Received:	12/18/24
Client Sample ID:	PIBLK-PL093426.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093426.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
PL093426.D	1		12/18/24	pl121824

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\PL121824\
Data File : PL093426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:04
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: Dec 19 04:30:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	53292981	57113867	20.505	19.804
28)	SA Decachlor...	9.056	7.914	41513609	65476240	23.878	22.922
	Target Compounds						

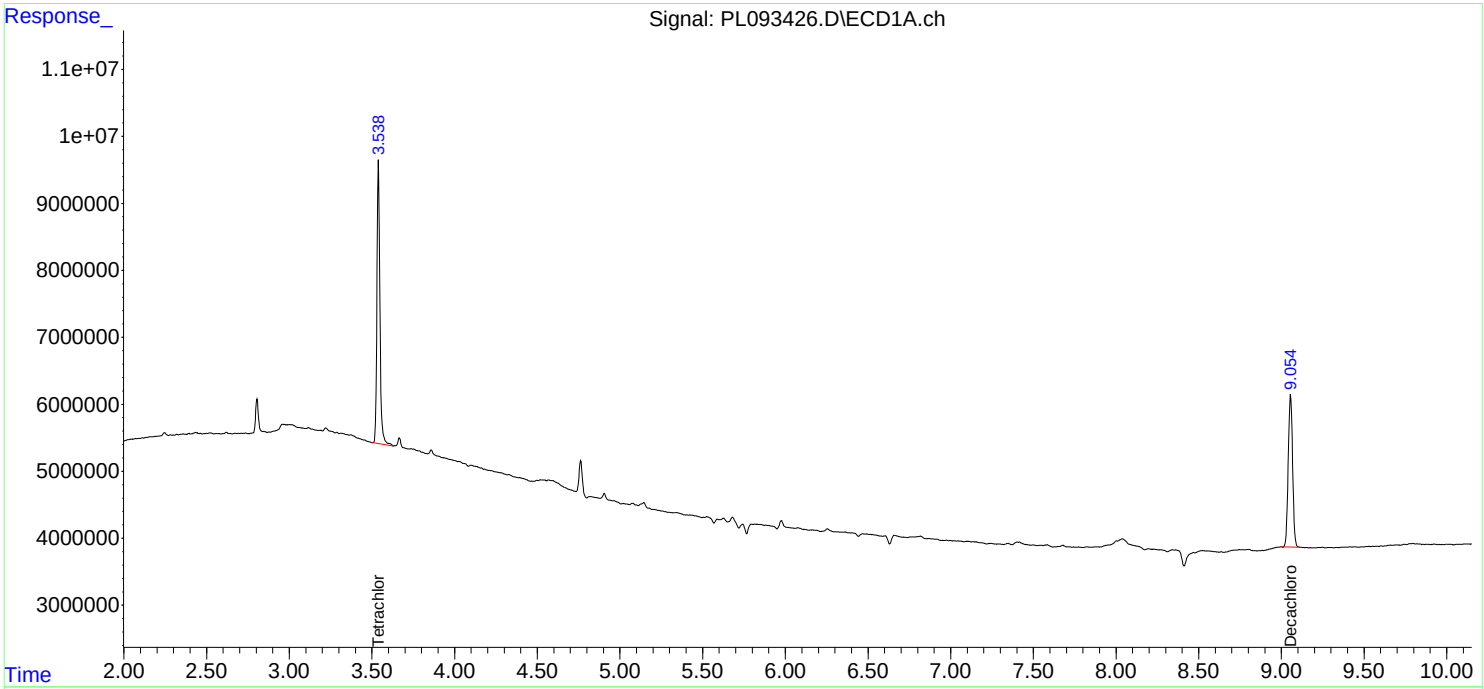
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

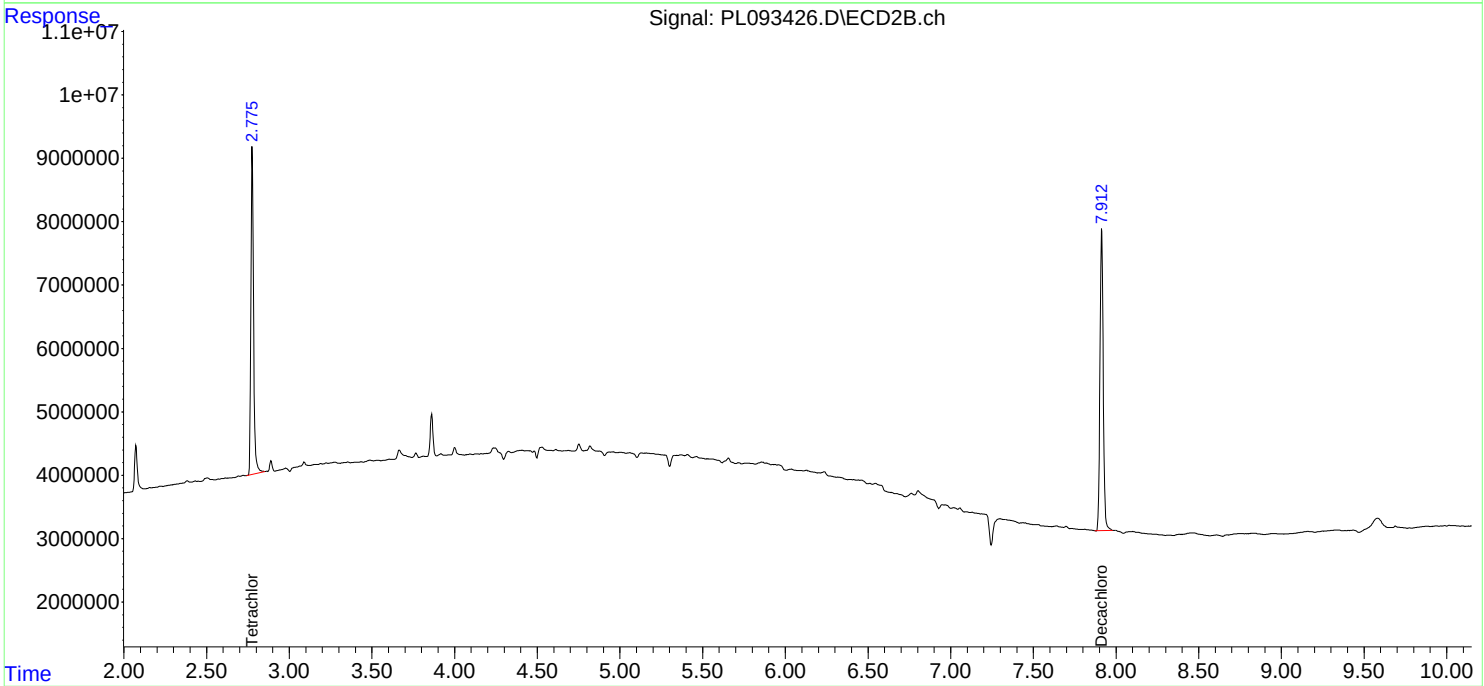
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:04
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

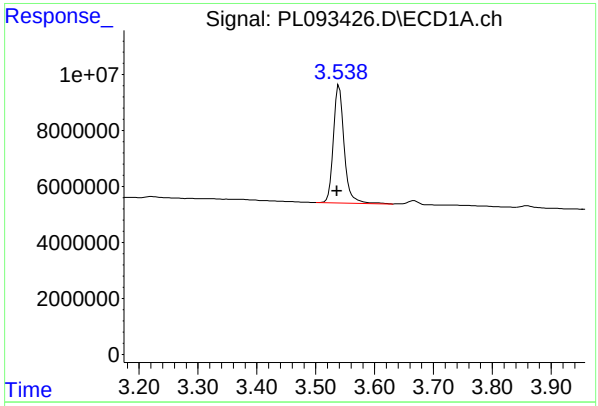
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



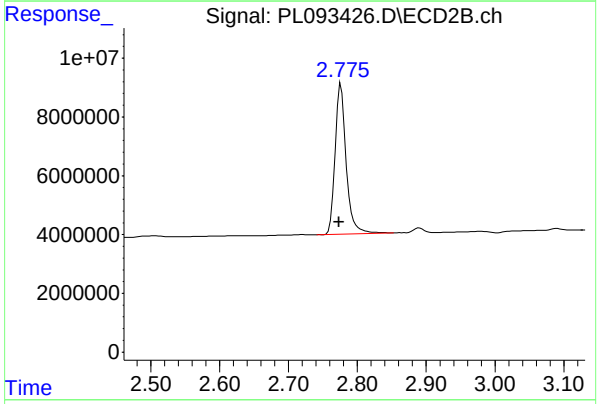




#1 Tetrachloro-m-xylene

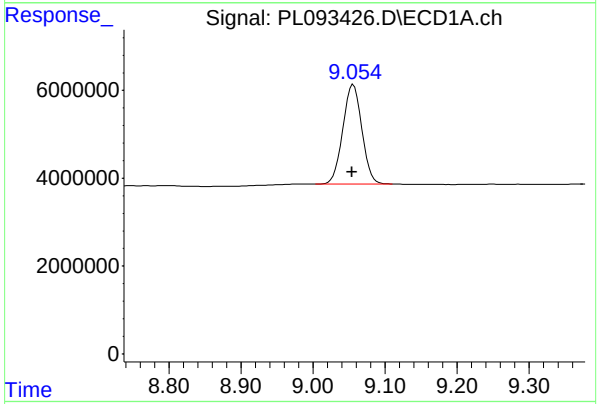
R.T.: 3.540 min
Delta R.T.: 0.004 min
Response: 53292981
Conc: 20.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



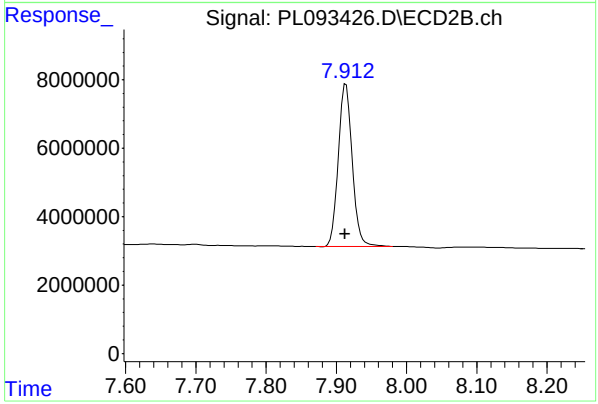
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.003 min
Response: 57113867
Conc: 19.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 41513609
Conc: 23.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.001 min
Response: 65476240
Conc: 22.92 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/19/24
Project:	Raymark Superfund Site	Date Received:	12/19/24
Client Sample ID:	PIBLK-PL093429.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093429.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
PL093429.D	1		12/19/24	pl121924

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	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		30 - 135		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/19/24
Project:	Raymark Superfund Site	Date Received:	12/19/24
Client Sample ID:	PIBLK-PL093429.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093429.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
PL093429.D	1		12/19/24	pl121924

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:26
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: Dec 19 21:50:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	53251247	58551087	20.489	20.302
28)	SA Decachlor...	9.056	7.912	41511104	64984428	23.877	22.750
	Target Compounds						

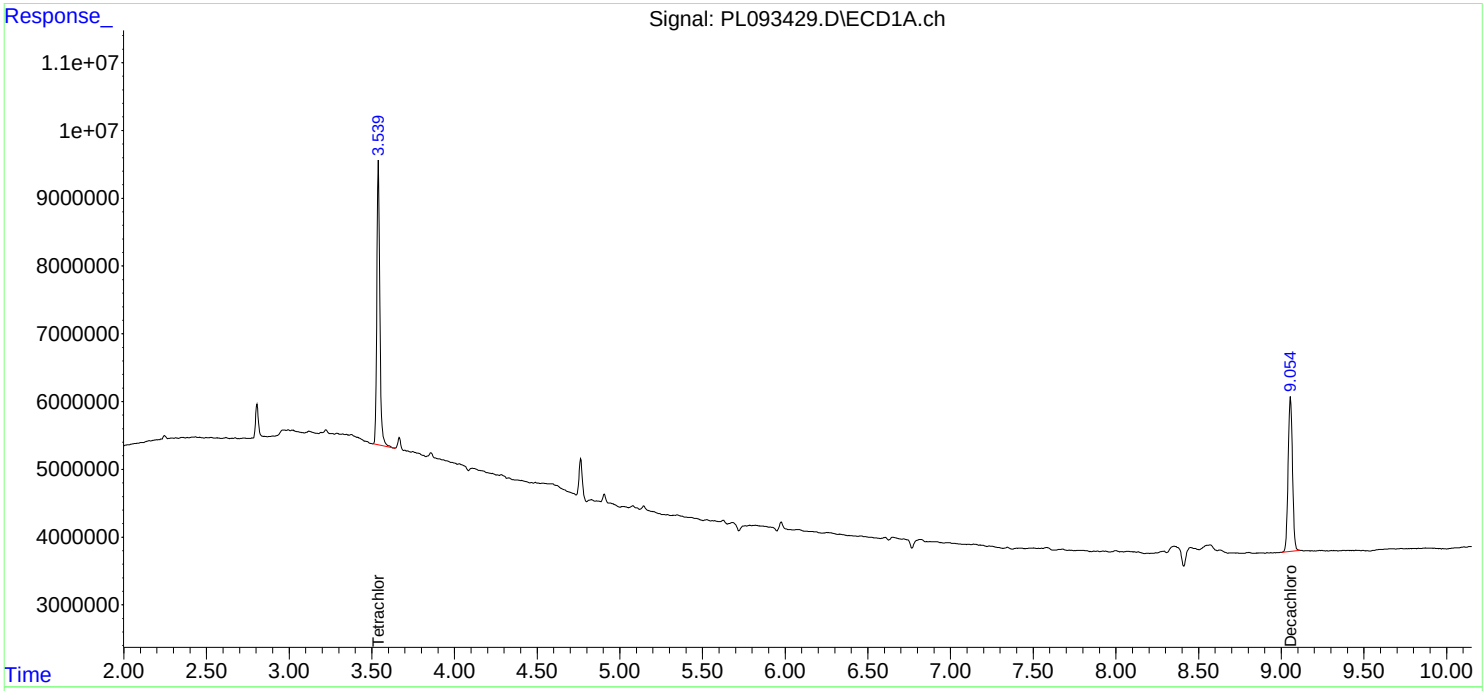
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

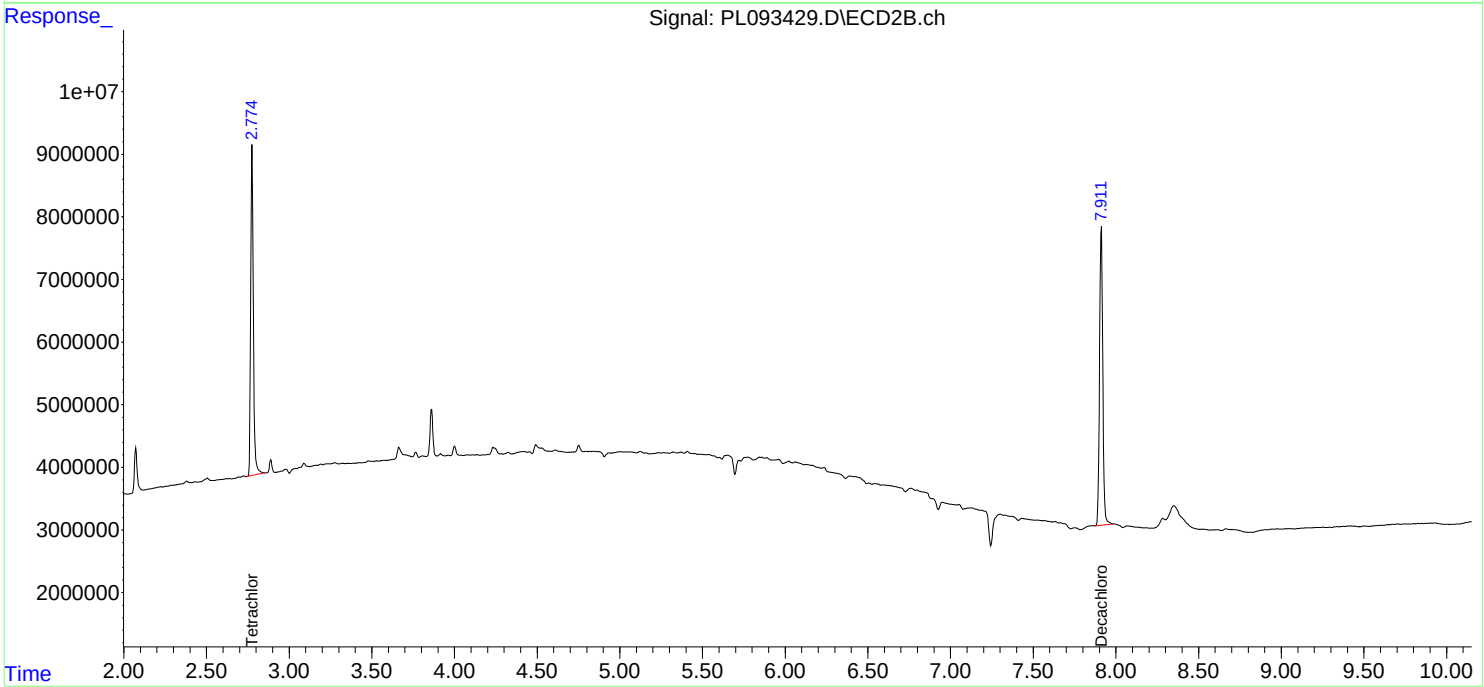
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

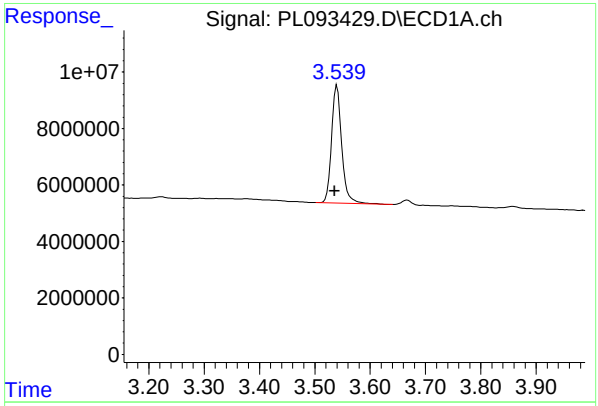
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



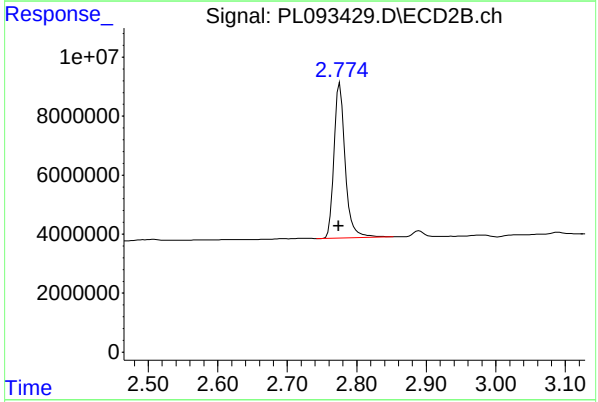




#1 Tetrachloro-m-xylene

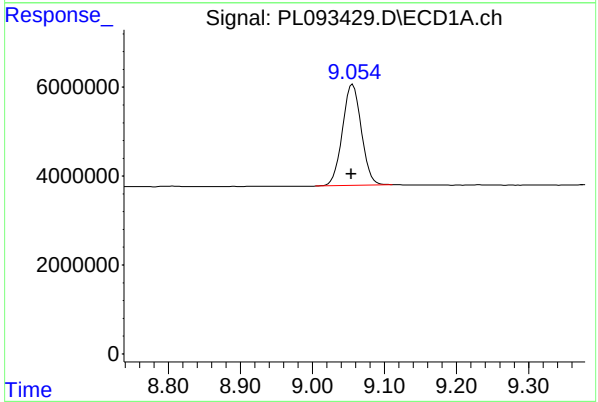
R.T.: 3.540 min
Delta R.T.: 0.004 min
Response: 53251247
Conc: 20.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



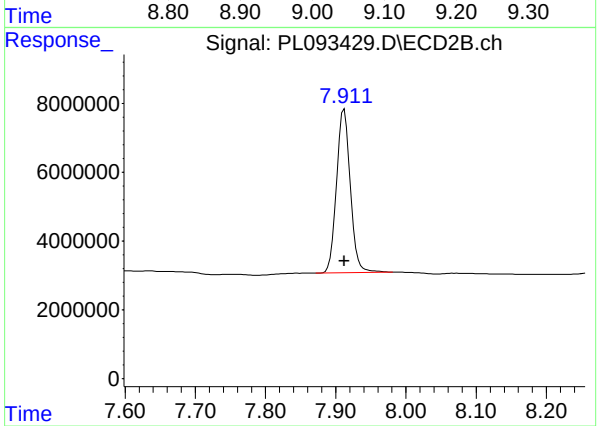
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 58551087
Conc: 20.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 41511104
Conc: 23.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 64984428
Conc: 22.75 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/19/24
Project:	Raymark Superfund Site	Date Received:	12/19/24
Client Sample ID:	PIBLK-PL093441.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093441.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
PL093441.D	1		12/19/24	pl121924

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	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.1		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		44 - 124		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/19/24
Project:	Raymark Superfund Site	Date Received:	12/19/24
Client Sample ID:	PIBLK-PL093441.D	SDG No.:	P5306
Lab Sample ID:	I.BLK-PL093441.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
PL093441.D	1		12/19/24	pl121924

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:54
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: Dec 19 21:52:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	52930698	57462447	20.366	19.924
28)	SA Decachlor...	9.052	7.910	41866185	67573908	24.081	23.657
	Target Compounds						

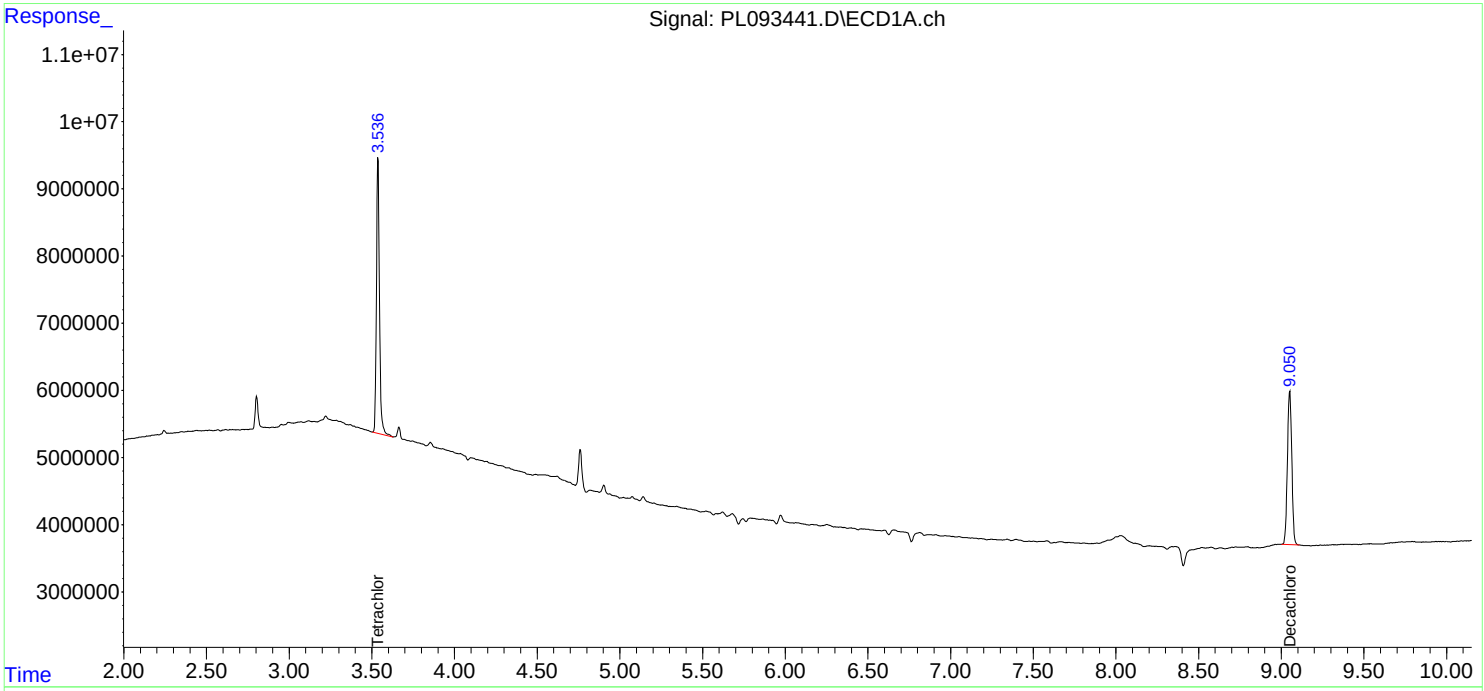
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

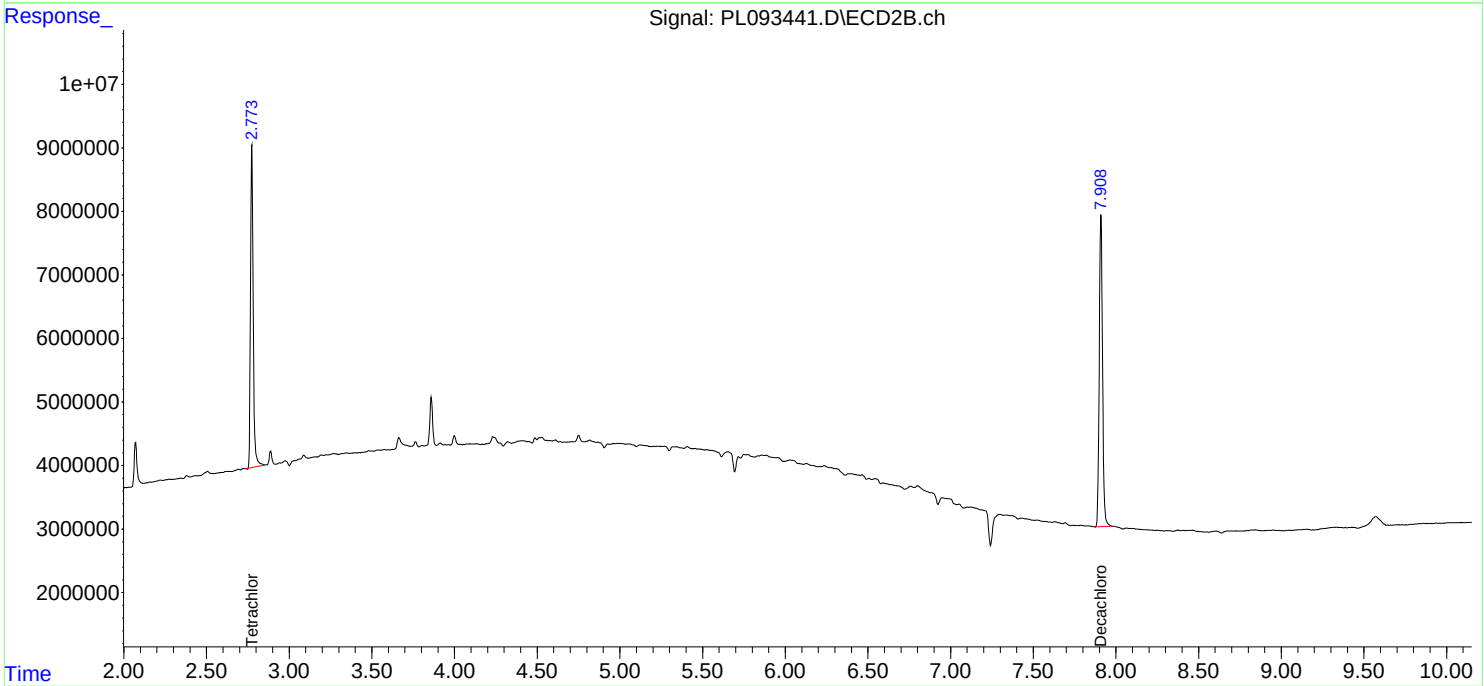
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:54
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

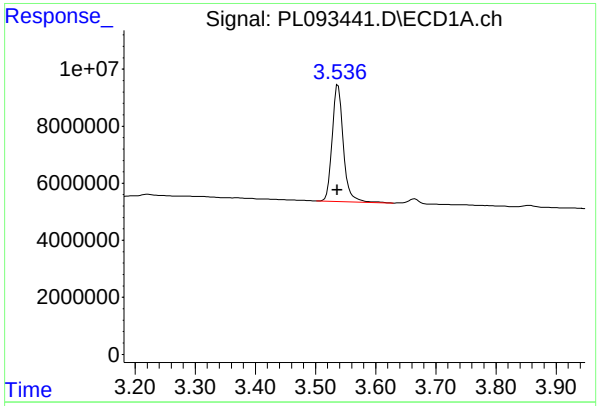
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



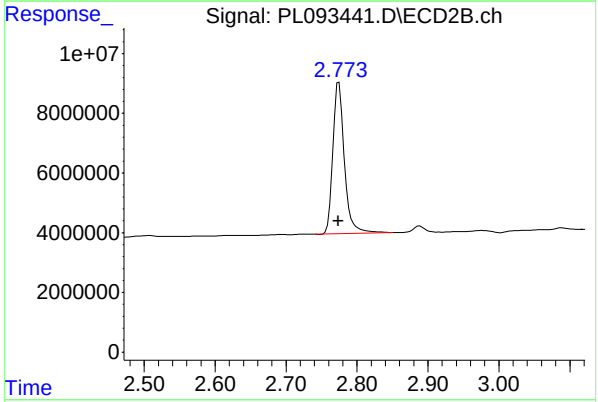




#1 Tetrachloro-m-xylene

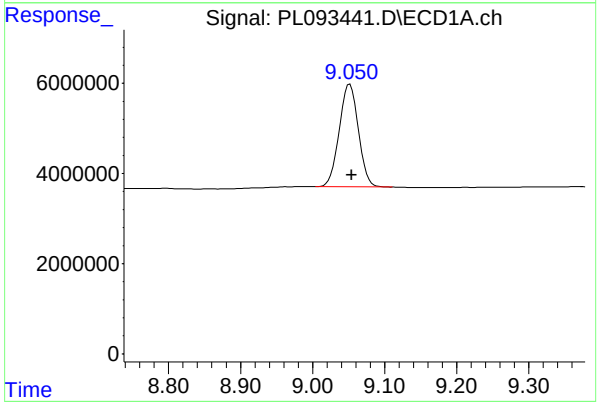
R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 52930698
Conc: 20.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



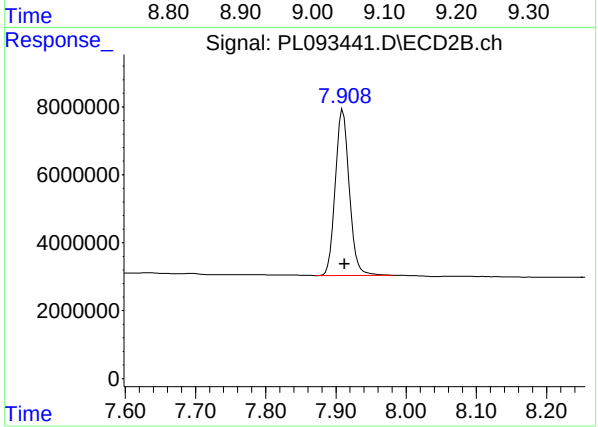
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 57462447
Conc: 19.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 41866185
Conc: 24.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 67573908
Conc: 23.66 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165704BS	SDG No.:	P5306
Lab Sample ID:	PB165704BS	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
PL093417.D	1	12/18/24 08:10	12/18/24 16:03	PB165704

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	0.017		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	0.018		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	0.018		0.00013	0.00083	0.0017	mg/Kg
50-29-3	4,4-DDT	0.019		0.00017	0.00083	0.0017	mg/Kg
72-43-5	Methoxychlor	0.018		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	0.017		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	23.6		55 - 130		118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB165704BS	SDG No.:	P5306
Lab Sample ID:	PB165704BS	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
PL093417.D	1	12/18/24 08:10	12/18/24 16:03	PB165704

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\PL121824\
Data File : PL093417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:03
Operator : AR\AJ
Sample : PB165704BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165704BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	49804770	53560246	19.163	18.571
28) SA	Decachlor...	9.056	7.913	41010179	64680130	23.589	22.643
	Target Compounds						
2) A	alpha-BHC	3.996	3.278	171.4E6	214.9E6	48.025	50.335
3) MA	gamma-BHC...	4.328	3.608	160.2E6	206.5E6	47.402	49.884
4) MA	Heptachlor	4.916	3.947	151.5E6	214.1E6	49.568	52.930
5) MB	Aldrin	5.258	4.227	141.6E6	198.4E6	47.092	49.875
6) B	beta-BHC	4.526	3.908	72238799	89870292	47.849	50.521
7) B	delta-BHC	4.773	4.137	148.2E6	201.3E6	44.790	47.180
8) B	Heptachlo...	5.684	4.729	130.6E6	190.2E6	47.041	52.212
9) A	Endosulfan I	6.070	5.099	121.4E6	178.7E6	49.874	53.462
10) B	gamma-Chl...	5.941	4.979	129.6E6	198.6E6	50.320	53.602
11) B	alpha-Chl...	6.020	5.043	130.2E6	193.8E6	50.257	53.381
12) B	4,4'-DDE	6.193	5.232	117.0E6	188.7E6	50.009	52.723
13) MA	Dieldrin	6.345	5.363	128.0E6	197.4E6	49.949	53.569
14) MA	Endrin	6.575	5.639	111.1E6	180.1E6	52.956	56.462
15) B	Endosulfa...	6.795	5.934	112.0E6	174.5E6	51.360	55.054
16) A	4,4'-DDD	6.711	5.787	95084027	150.4E6	51.894	53.639
17) MA	4,4'-DDT	7.024	6.037	103.2E6	166.2E6	53.554	56.129
18) B	Endrin al...	6.925	6.113	88518213	135.8E6	48.997	51.790
19) B	Endosulfa...	7.159	6.336	104.7E6	163.7E6	50.520	53.846
20) A	Methoxychlor	7.501	6.612	55644905	84474310	53.255	55.323
21) B	Endrin ke...	7.644	6.842	117.3E6	186.0E6	51.681	55.405
22)	Mirex	8.119	7.022	89870765	140.2E6	49.756	52.184

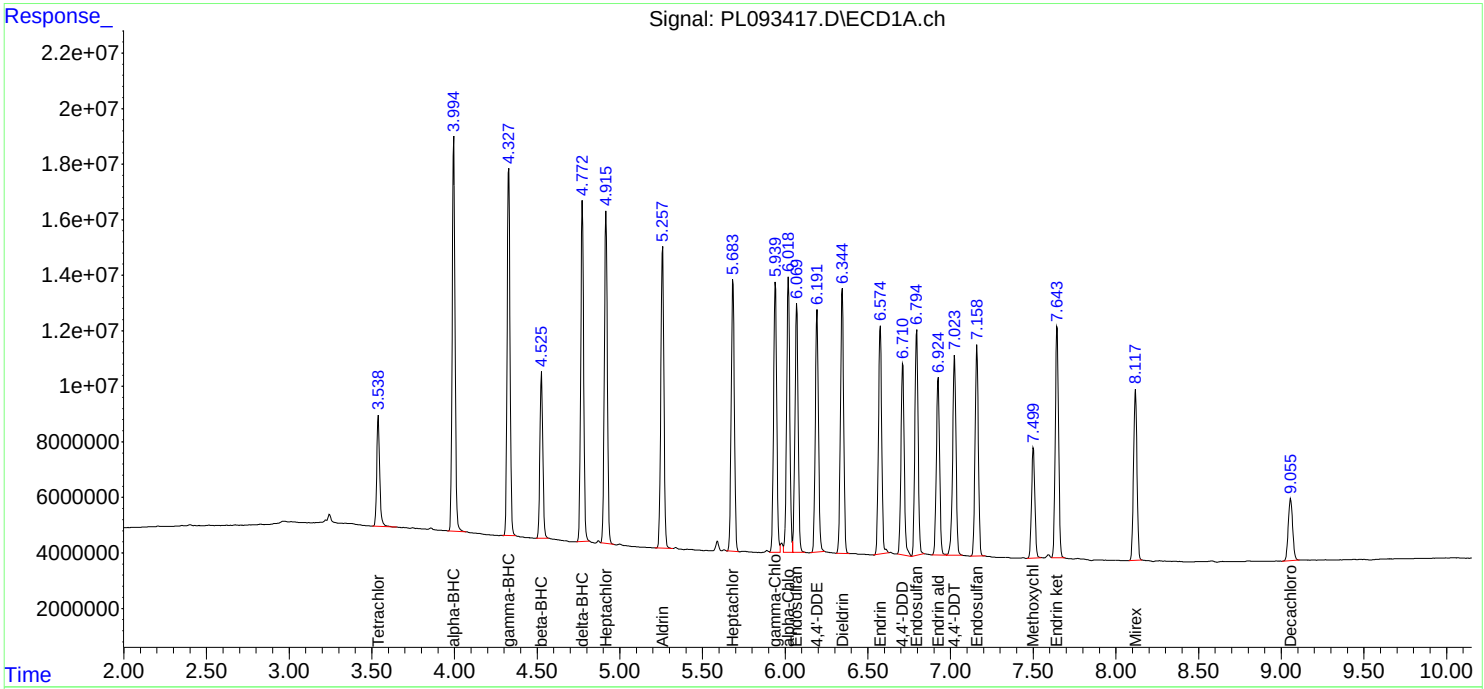
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

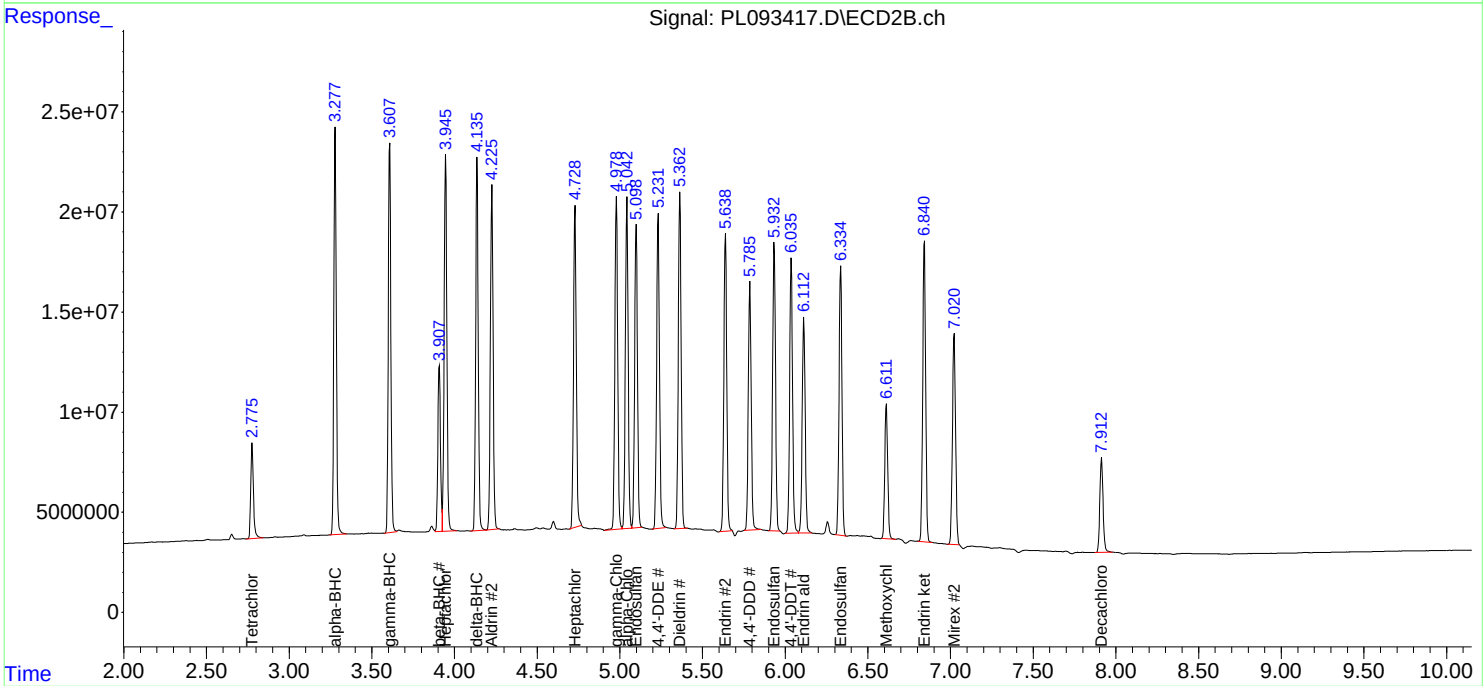
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:03
Operator : AR\AJ
Sample : PB165704BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

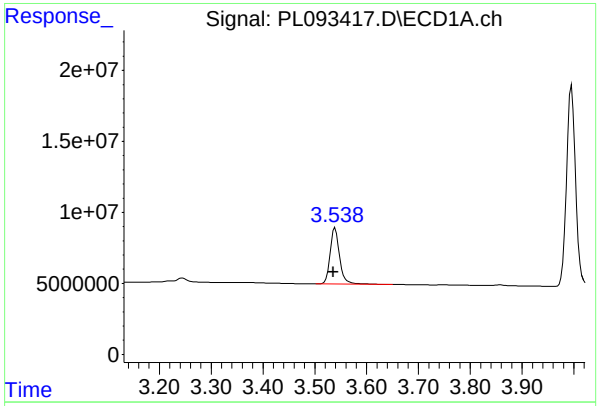
Instrument :
ECD_L
ClientSampleId :
PB165704BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



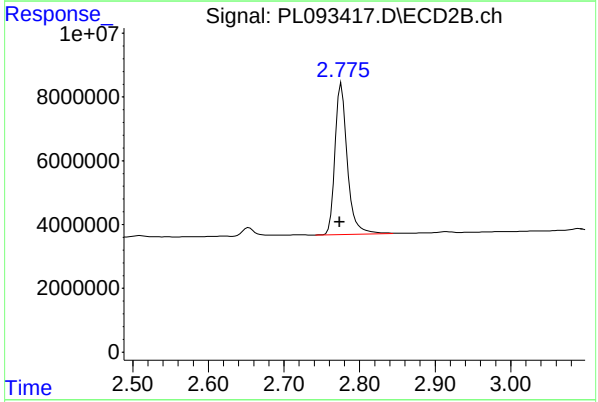




#1 Tetrachloro-m-xylene

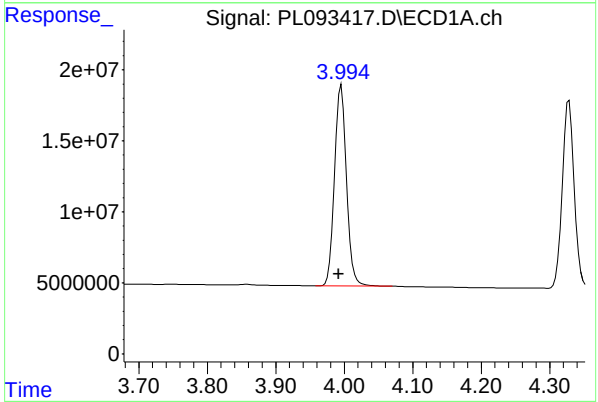
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 49804770
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



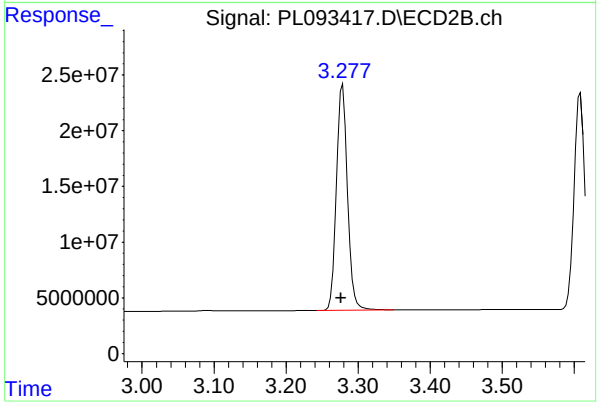
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 53560246
Conc: 18.57 ng/ml



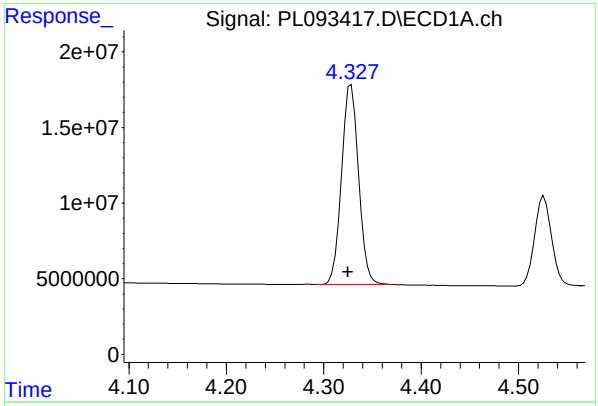
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.003 min
Response: 171373490
Conc: 48.02 ng/ml



#2 alpha-BHC

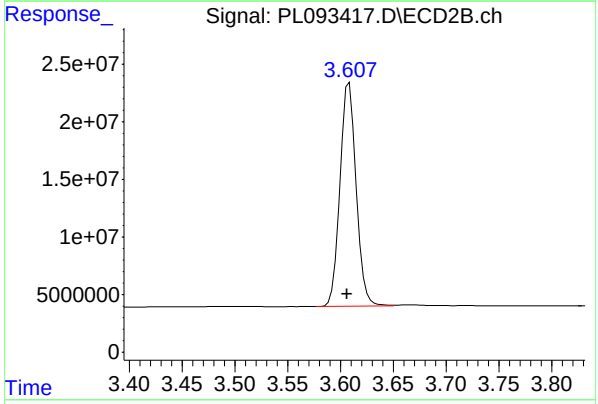
R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 214902235
Conc: 50.34 ng/ml



#3 gamma-BHC (Lindane)

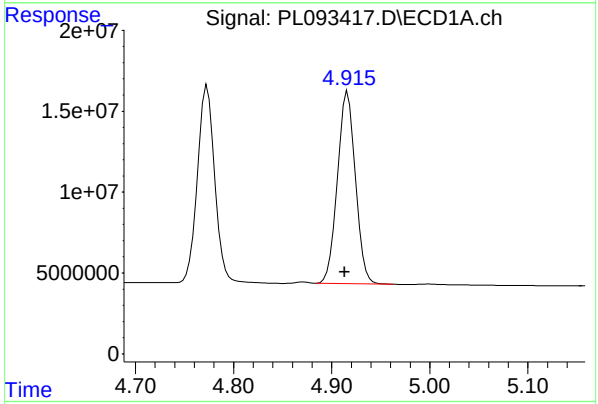
R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 160155823
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



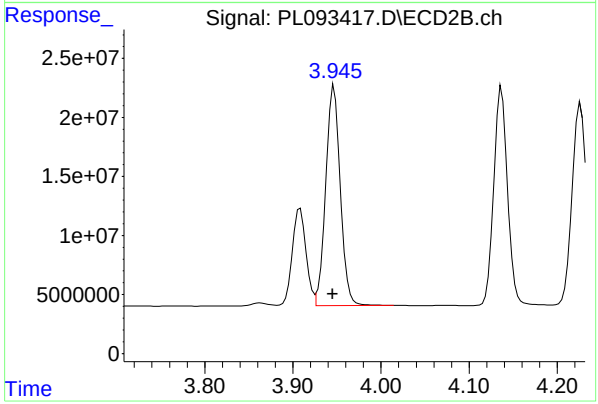
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 206505274
Conc: 49.88 ng/ml



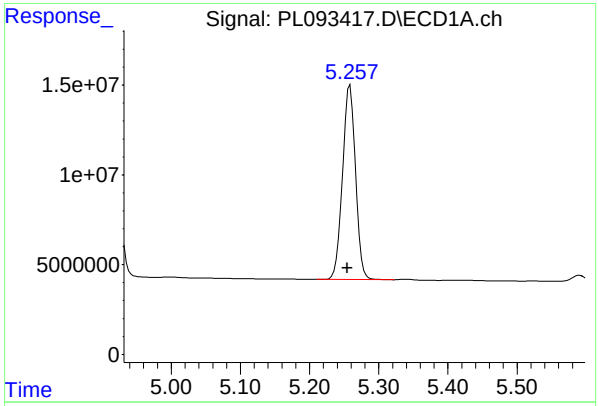
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 151485901
Conc: 49.57 ng/ml



#4 Heptachlor

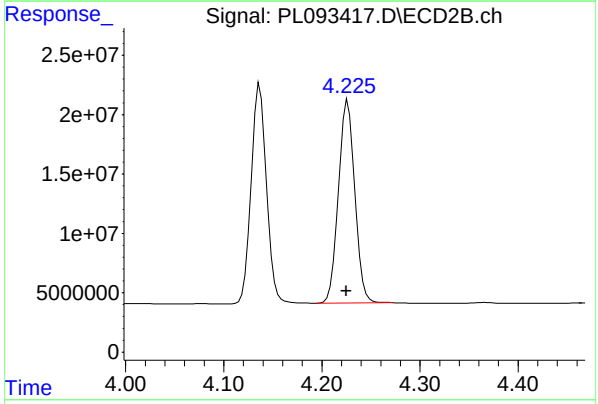
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 214132009
Conc: 52.93 ng/ml



#5 Aldrin

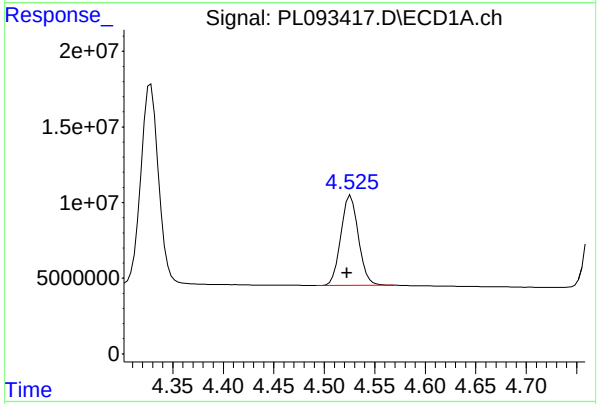
R.T.: 5.258 min
Delta R.T.: 0.004 min
Response: 141612796
Conc: 47.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



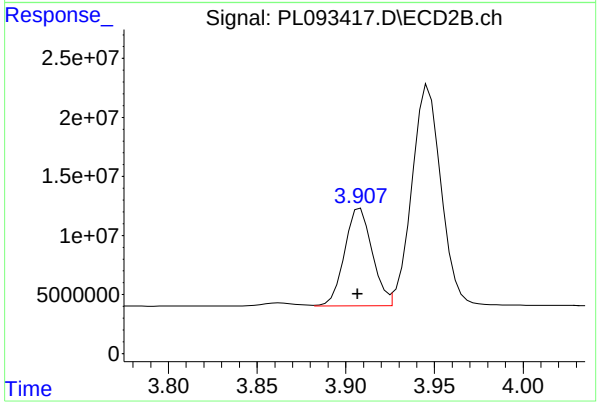
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 198443723
Conc: 49.87 ng/ml



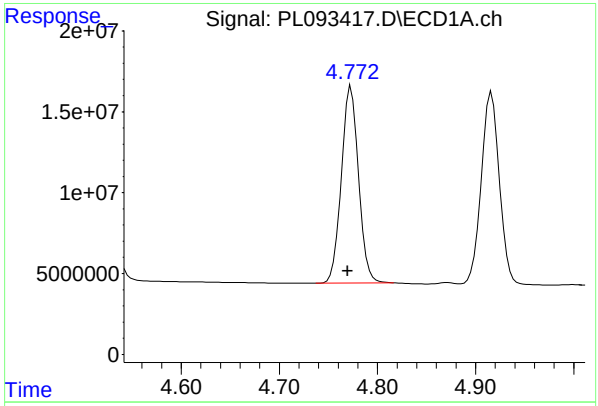
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.004 min
Response: 72238799
Conc: 47.85 ng/ml



#6 beta-BHC

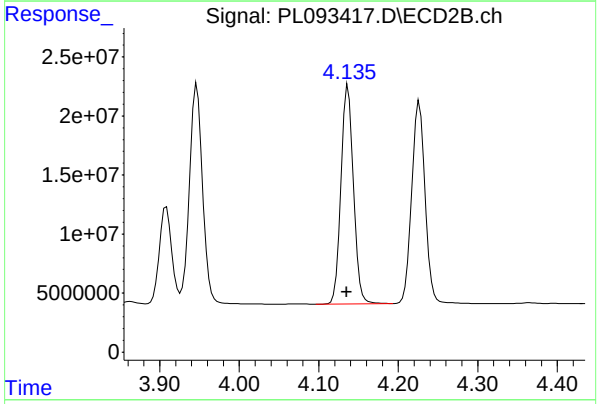
R.T.: 3.908 min
Delta R.T.: 0.002 min
Response: 89870292
Conc: 50.52 ng/ml



#7 delta-BHC

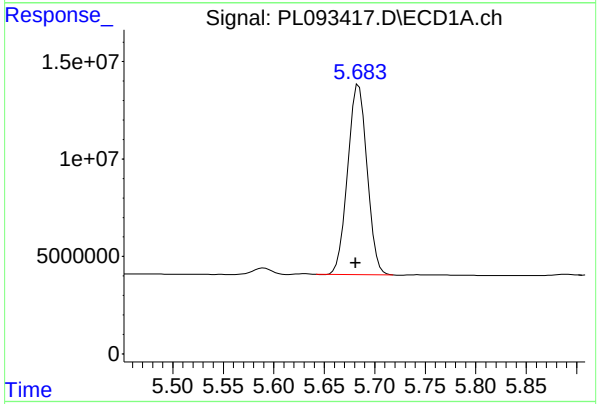
R.T.: 4.773 min
Delta R.T.: 0.003 min
Response: 148193415
Conc: 44.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



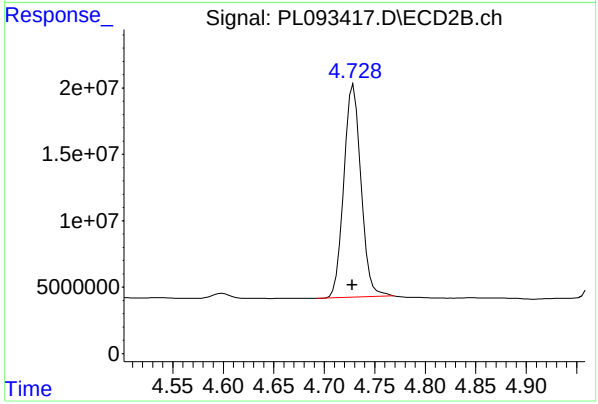
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.001 min
Response: 201295398
Conc: 47.18 ng/ml



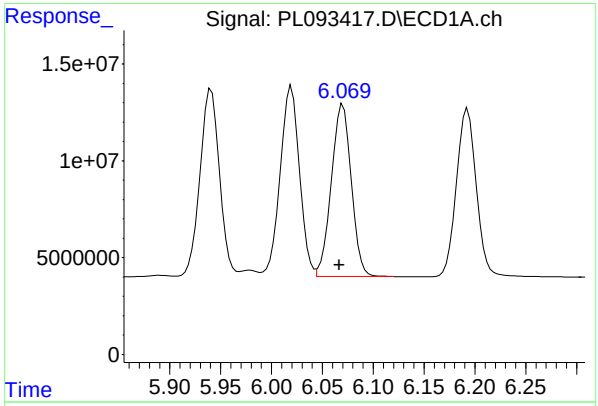
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 130618657
Conc: 47.04 ng/ml



#8 Heptachlor epoxide

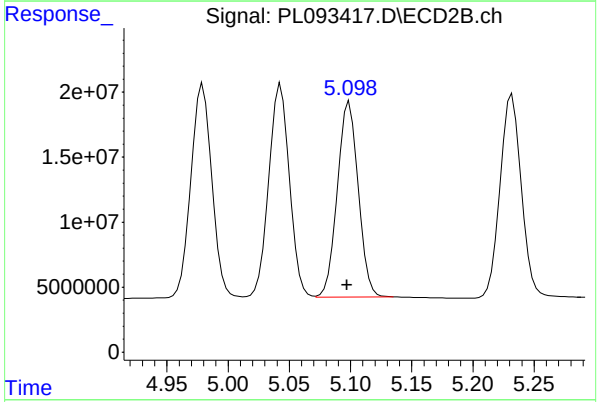
R.T.: 4.729 min
Delta R.T.: 0.001 min
Response: 190166673
Conc: 52.21 ng/ml



#9 Endosulfan I

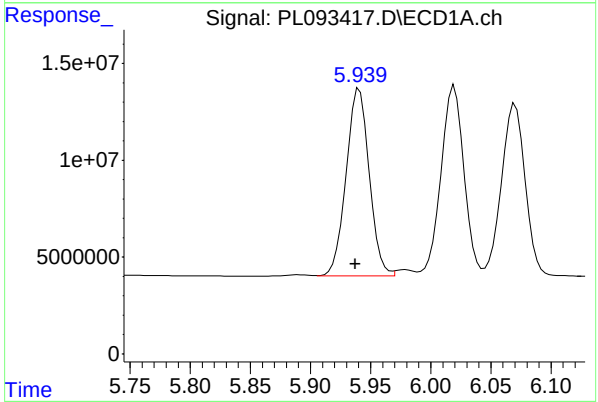
R.T.: 6.070 min
Delta R.T.: 0.003 min
Response: 121402809
Conc: 49.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



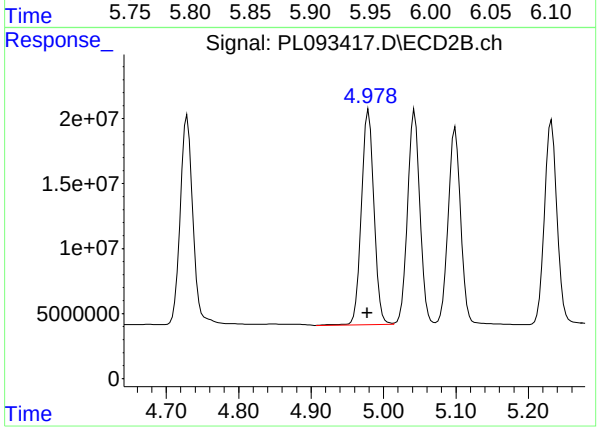
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 178720933
Conc: 53.46 ng/ml



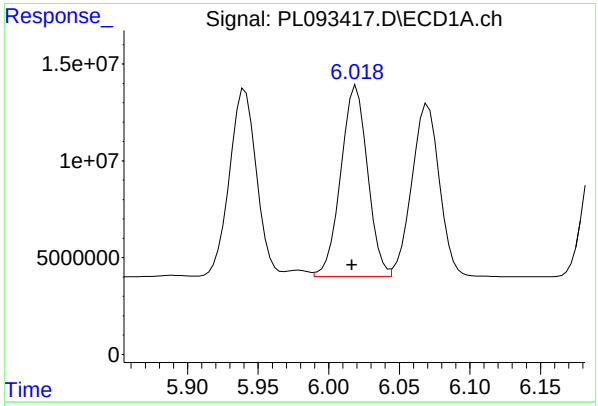
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.003 min
Response: 129641727
Conc: 50.32 ng/ml



#10 gamma-Chlordane

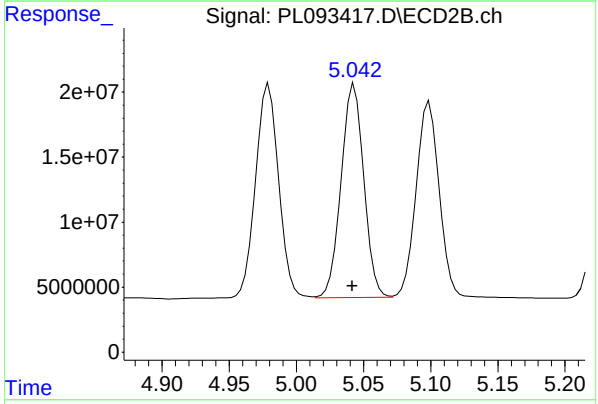
R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 198602208
Conc: 53.60 ng/ml



#11 alpha-Chlordane

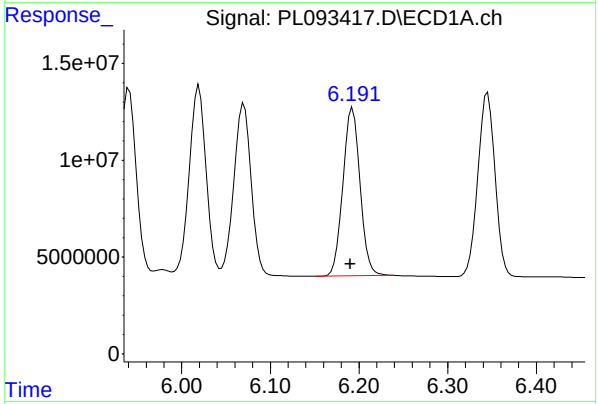
R.T.: 6.020 min
Delta R.T.: 0.003 min
Response: 130219535
Conc: 50.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



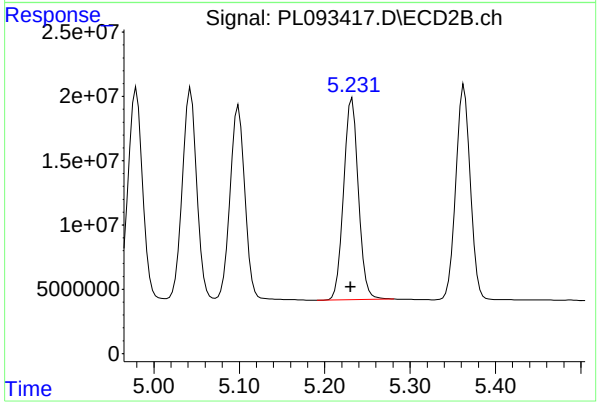
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 193785173
Conc: 53.38 ng/ml



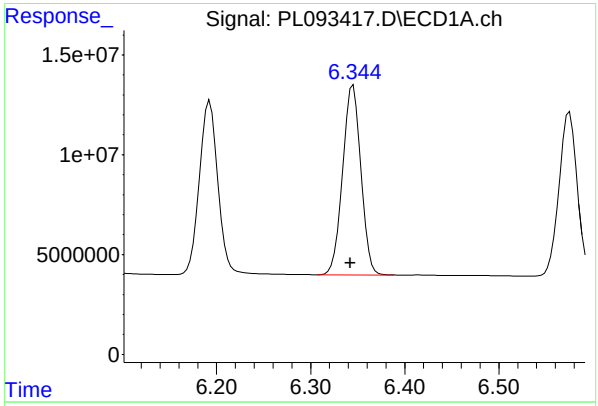
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.003 min
Response: 116987756
Conc: 50.01 ng/ml



#12 4,4'-DDE

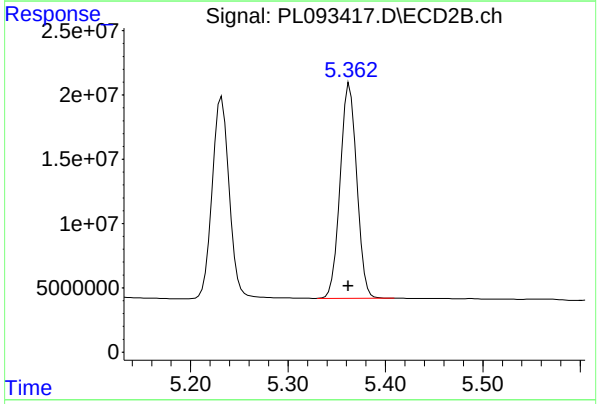
R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 188749278
Conc: 52.72 ng/ml



#13 Dieldrin

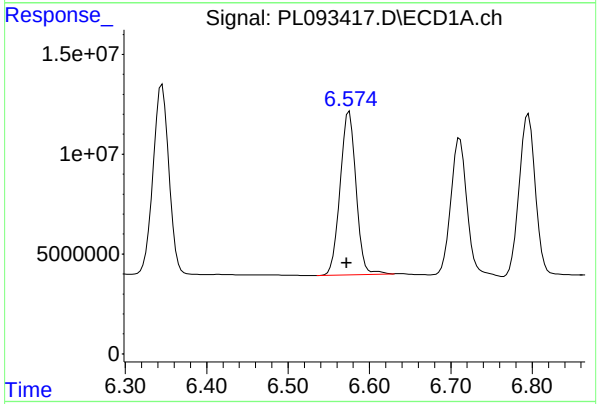
R.T.: 6.345 min
Delta R.T.: 0.003 min
Response: 128026813
Conc: 49.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



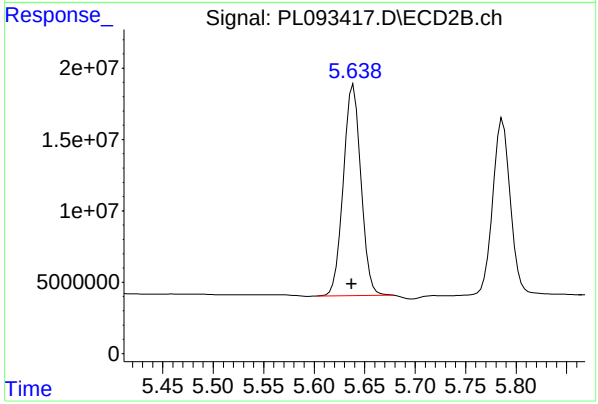
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.001 min
Response: 197428504
Conc: 53.57 ng/ml



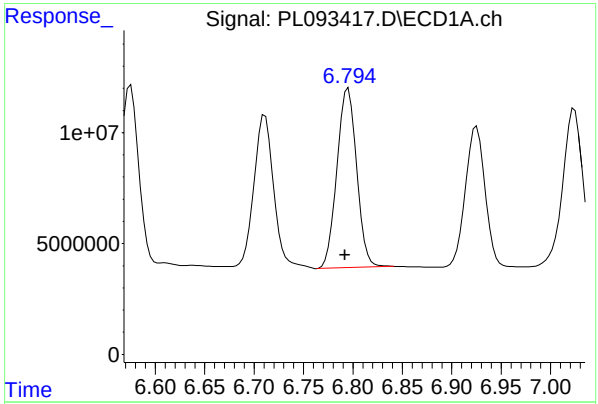
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 111073077
Conc: 52.96 ng/ml



#14 Endrin

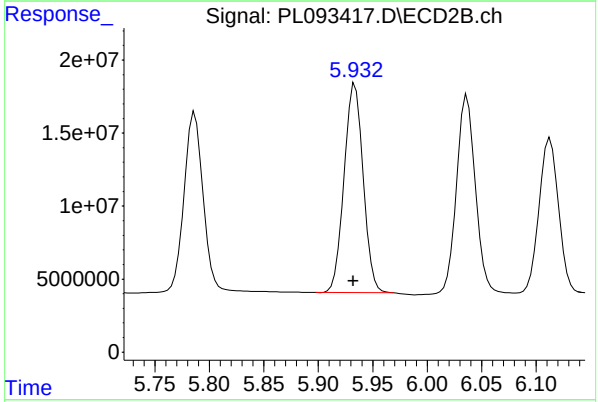
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 180071711
Conc: 56.46 ng/ml



#15 Endosulfan II

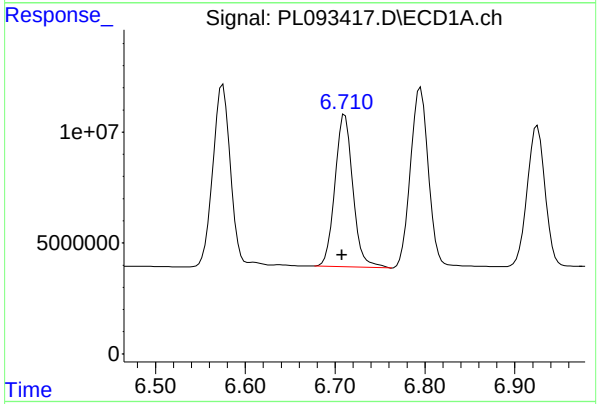
R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 111990563
Conc: 51.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



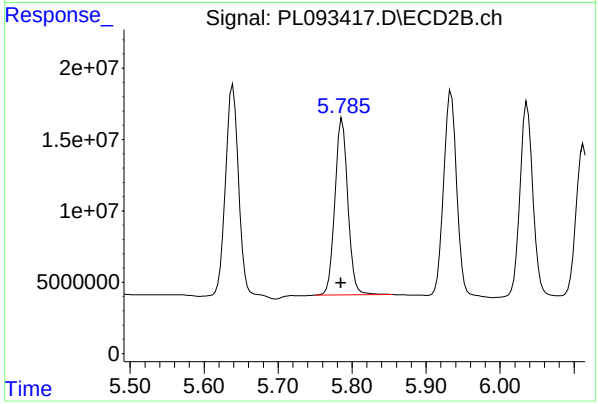
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 174465718
Conc: 55.05 ng/ml



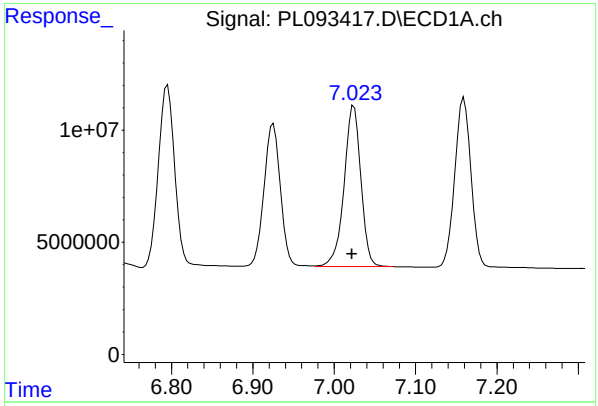
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.003 min
Response: 95084027
Conc: 51.89 ng/ml



#16 4,4'-DDD

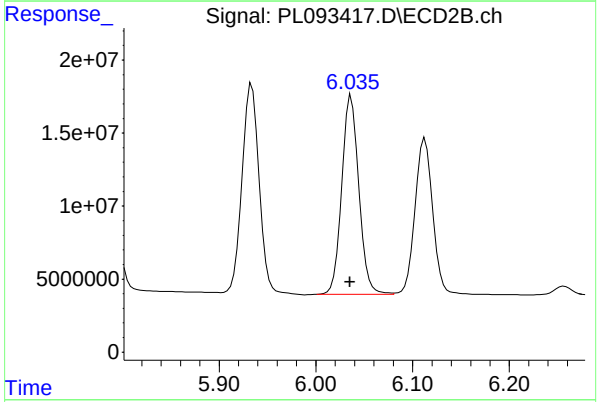
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 150372898
Conc: 53.64 ng/ml



#17 4,4'-DDT

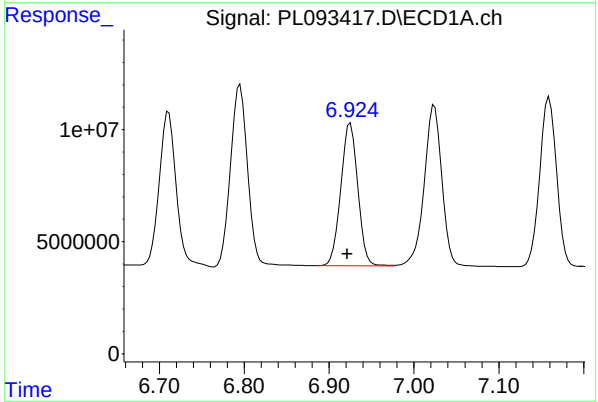
R.T.: 7.024 min
Delta R.T.: 0.003 min
Response: 103243502
Conc: 53.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



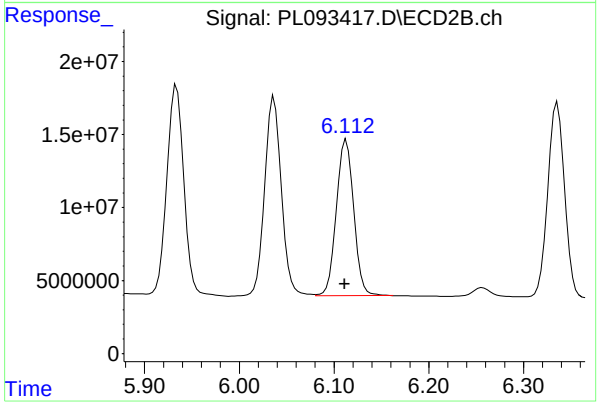
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.001 min
Response: 166240820
Conc: 56.13 ng/ml



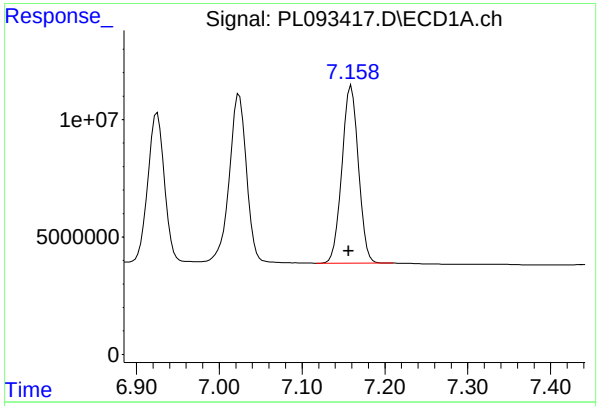
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.003 min
Response: 88518213
Conc: 49.00 ng/ml



#18 Endrin aldehyde

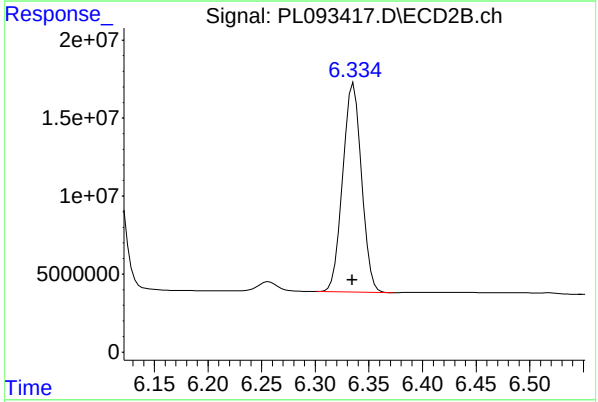
R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 135809967
Conc: 51.79 ng/ml



#19 Endosulfan Sulfate

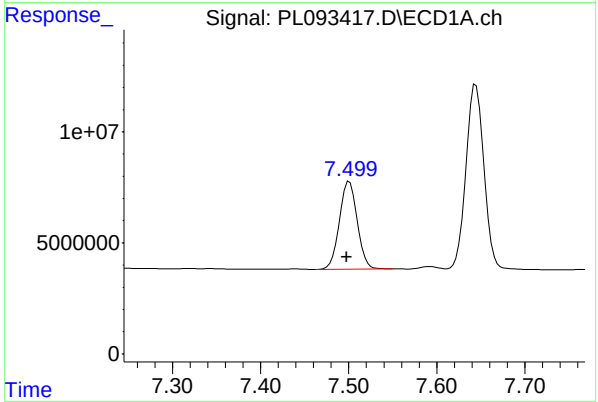
R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 104710908
Conc: 50.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



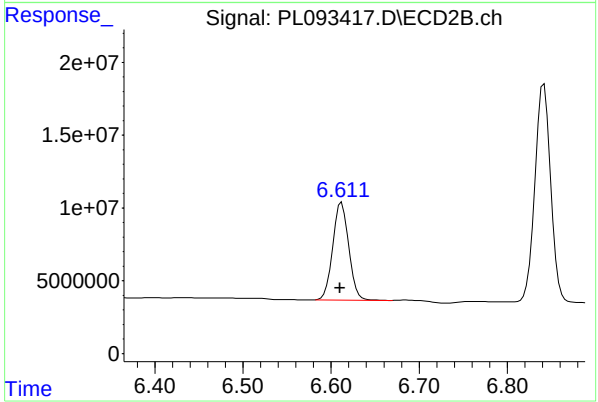
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.001 min
Response: 163674891
Conc: 53.85 ng/ml



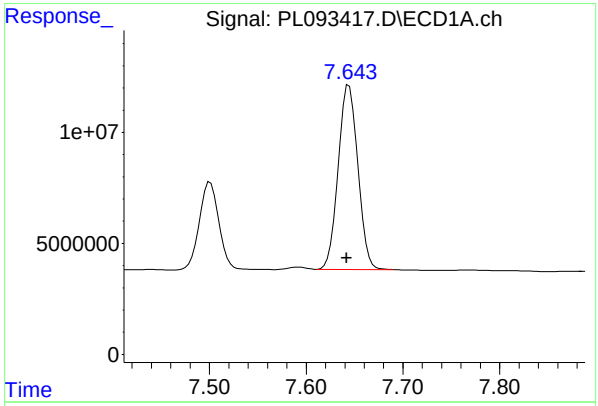
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 55644905
Conc: 53.25 ng/ml



#20 Methoxychlor

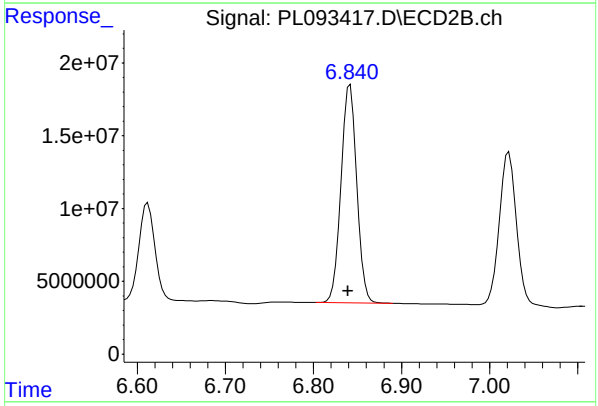
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 84474310
Conc: 55.32 ng/ml



#21 Endrin ketone

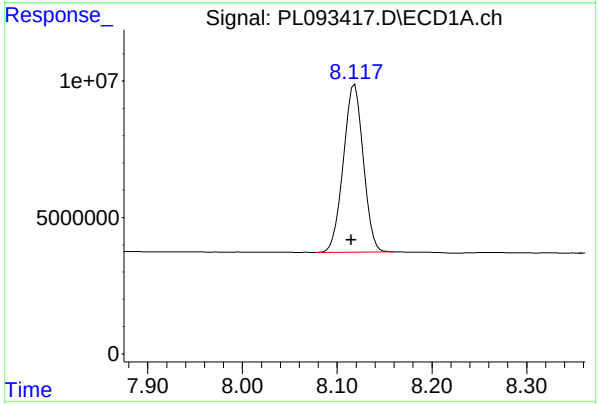
R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 117277657
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165704BS



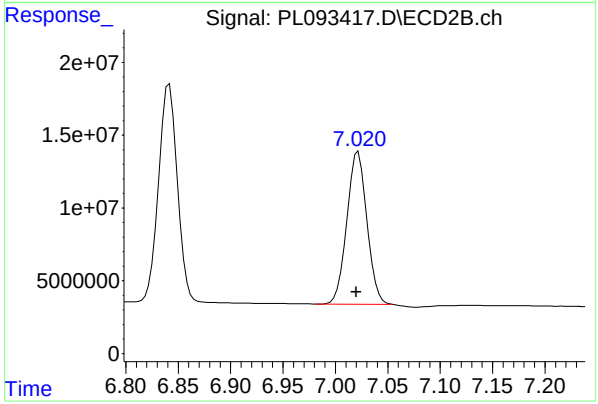
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.002 min
Response: 185994724
Conc: 55.40 ng/ml



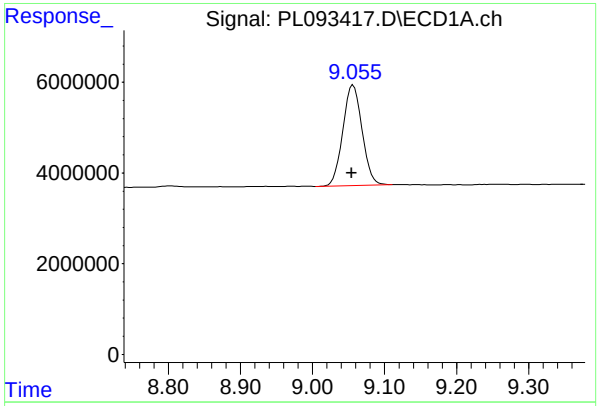
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 89870765
Conc: 49.76 ng/ml



#22 Mirex

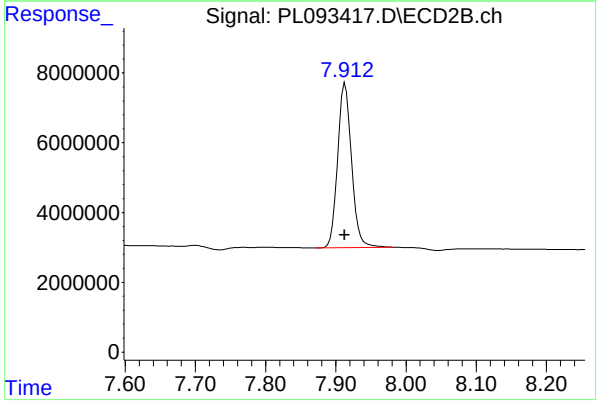
R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 140194659
Conc: 52.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 mi
Response: 41010179
Conc: 23.59 ng/m

Instrument :
ECD_L
ClientSampleId :
PB165704BS



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 64680130
Conc: 22.64 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MS	SDG No.:	P5306
Lab Sample ID:	P5306-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093422.D	1	12/18/24 08:10	12/18/24 17:11	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.019		0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.017		0.00052	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.019		0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.018		0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.019		0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.019		0.00016	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.019		0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.020		0.00018	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.019		0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.020		0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.020		0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.020		0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.2		55 - 130		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		42 - 129		94%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MS	SDG No.:	P5306
Lab Sample ID:	P5306-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093422.D	1	12/18/24 08:10	12/18/24 17:11	PB165704

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:11
Operator : AR\AJ
Sample : P5306-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	48988090	53815864	18.849m	18.660
28)	SA Decachlor...	9.055	7.912	36810394	56355891	21.173	19.729
	Target Compounds						
2)	A alpha-BHC	3.995	3.278	169.6E6	213.1E6	47.529	49.918
3)	MA gamma-BHC...	4.327	3.608	160.4E6	203.2E6	47.472	49.082
4)	MA Heptachlor	4.915	3.947	149.8E6	211.2E6	49.025	52.199
5)	MB Aldrin	5.257	4.226	142.0E6	197.2E6	47.237	49.549
6)	B beta-BHC	4.525	3.908	73302623	89793282	48.553	50.478
7)	B delta-BHC	4.772	4.137	150.2E6	201.6E6	45.409	47.249
8)	B Heptachlo...	5.684	4.729	130.3E6	185.1E6	46.928	50.833
9)	A Endosulfan I	6.069	5.099	119.3E6	173.6E6	49.015	51.942
10)	B gamma-Chl...	5.940	4.979	127.2E6	195.4E6	49.379	52.732
11)	B alpha-Chl...	6.019	5.043	127.8E6	189.9E6	49.308	52.308
12)	B 4,4'-DDE	6.192	5.232	116.3E6	186.1E6	49.725	51.974
13)	MA Dieldrin	6.344	5.363	125.6E6	190.3E6	49.012	51.630
14)	MA Endrin	6.573	5.639	109.7E6	172.4E6	52.284m	54.064
15)	B Endosulfa...	6.794	5.934	112.9E6	166.3E6	51.758	52.481
16)	A 4,4'-DDD	6.710	5.787	96253889	144.6E6	52.532	51.587
17)	MA 4,4'-DDT	7.024	6.037	102.7E6	162.7E6	53.278	54.928
18)	B Endrin al...	6.924	6.113	87164289	131.1E6	48.247	49.979
19)	B Endosulfa...	7.159	6.336	104.6E6	158.5E6	50.457	52.159
20)	A Methoxychlor	7.500	6.611	55827578	83029626	53.430	54.376
21)	B Endrin ke...	7.644	6.841	115.8E6	181.5E6	51.022	54.061
22)	Mirex	8.117	7.021	87249301	136.8E6	48.304	50.921

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

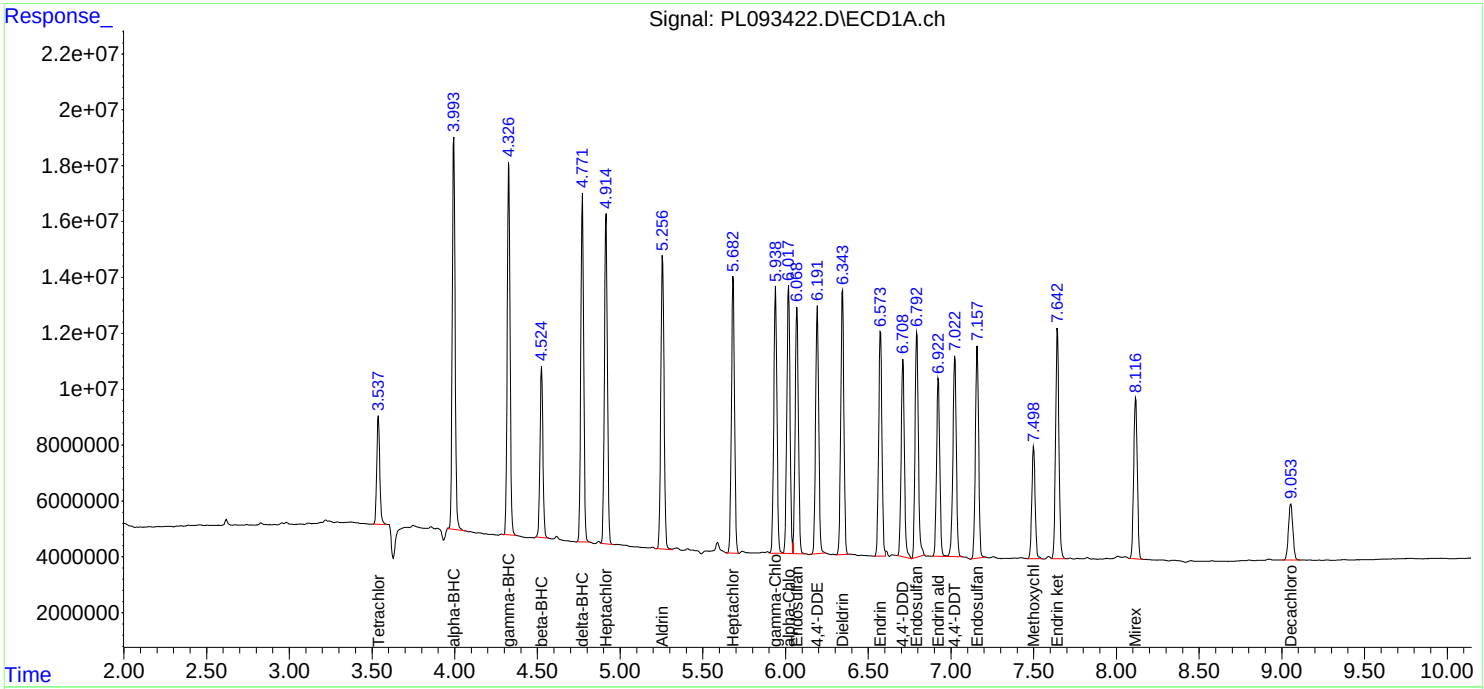
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:11
Operator : AR\AJ
Sample : P5306-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

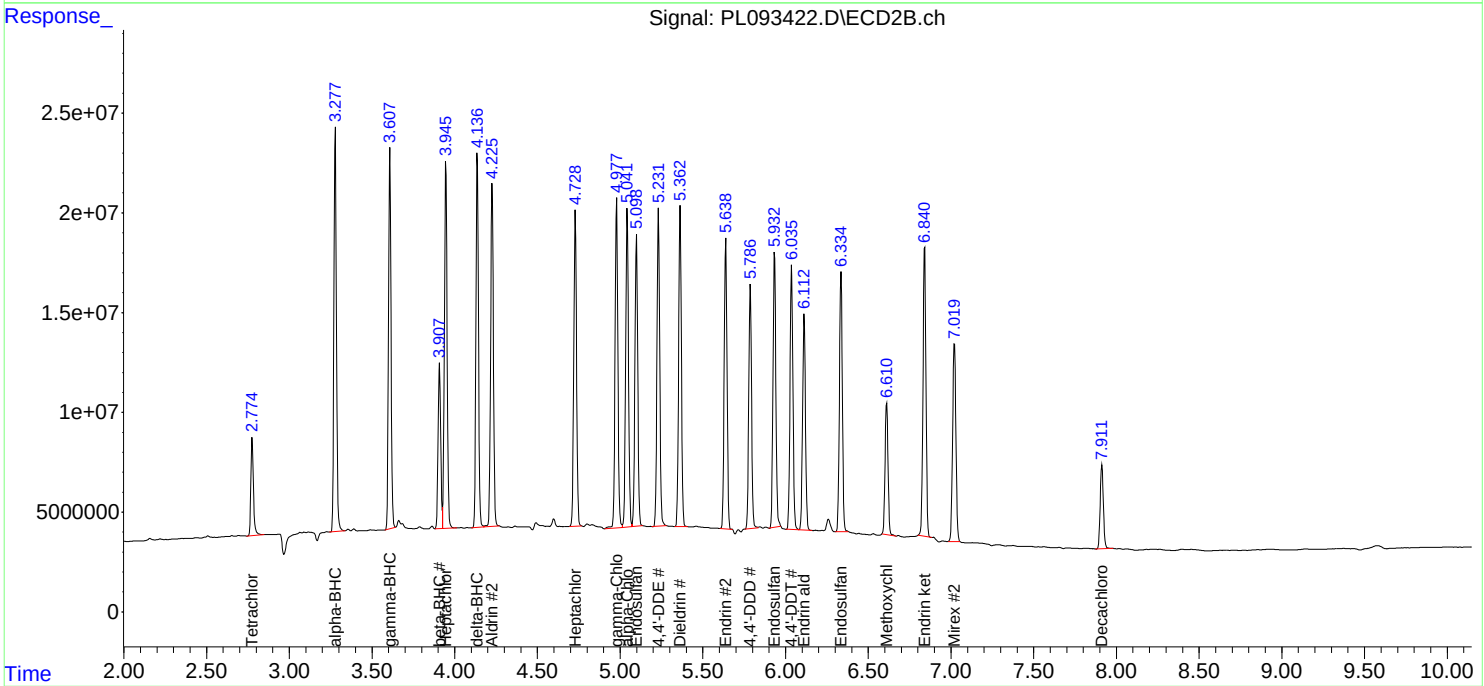
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

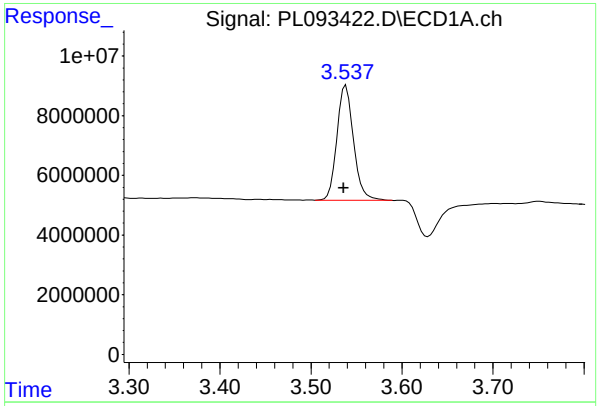
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







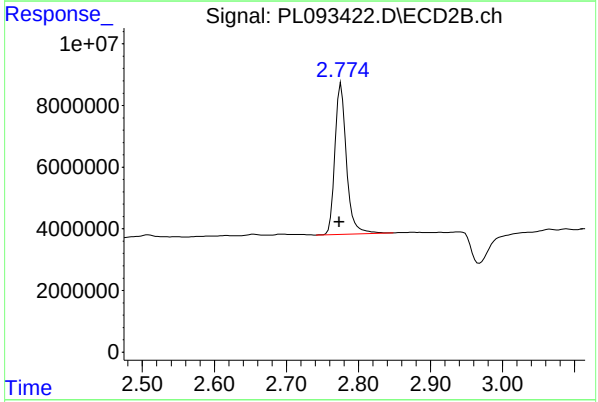
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 48988090
Conc: 18.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

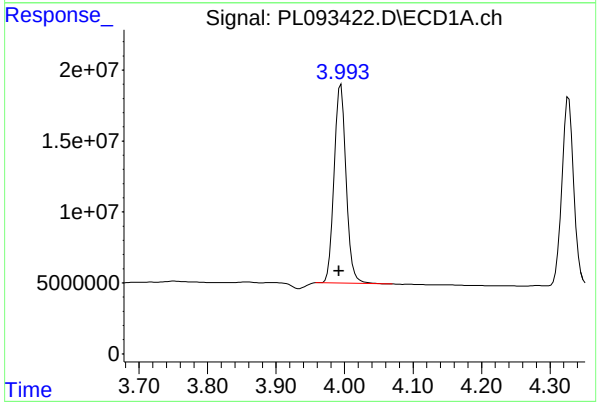
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



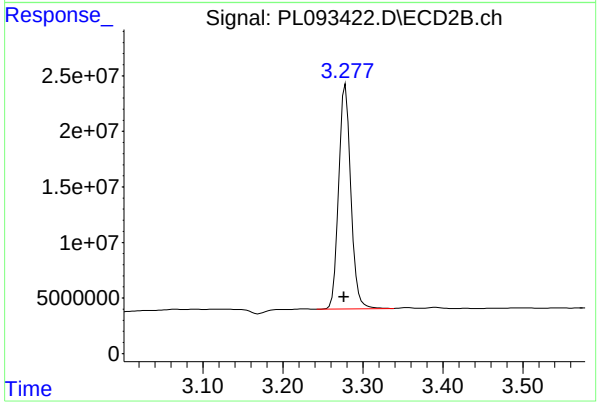
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 53815864
Conc: 18.66 ng/ml



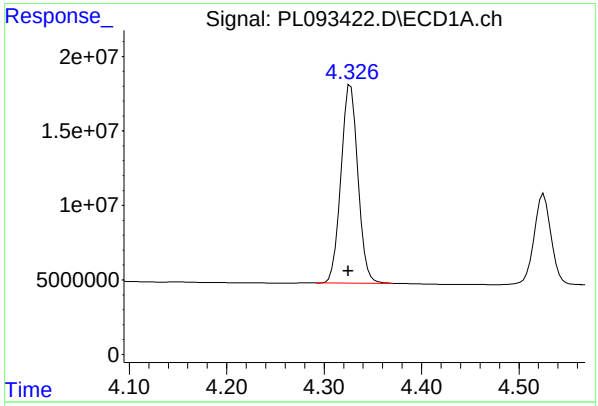
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 169603003
Conc: 47.53 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 213119041
Conc: 49.92 ng/ml



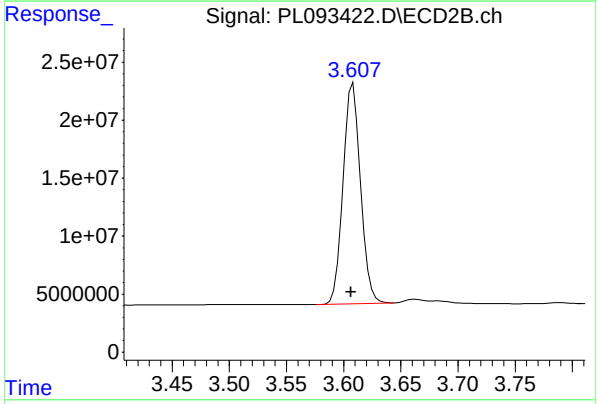
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.002 min
Response: 160393153
Conc: 47.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

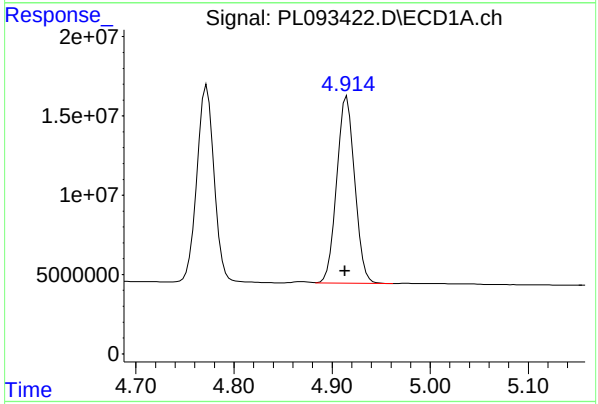
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



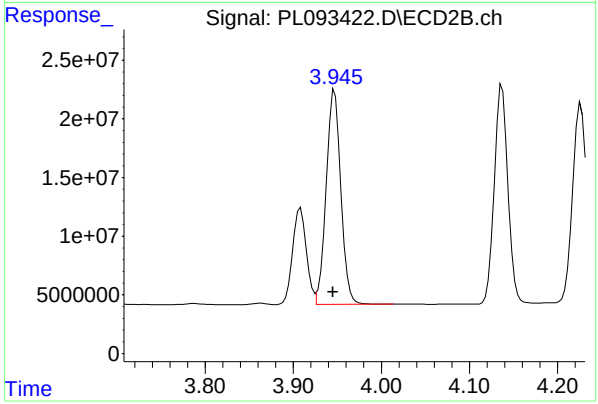
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 203185647
Conc: 49.08 ng/ml



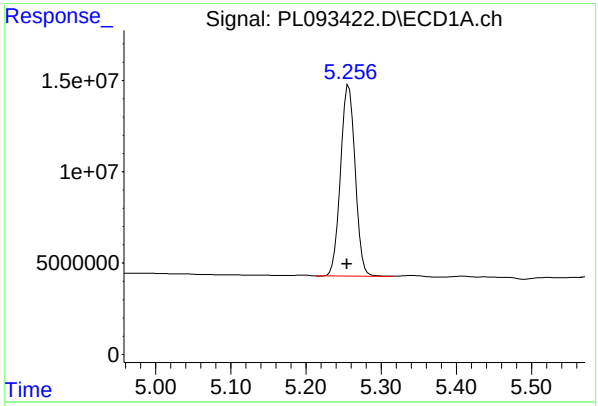
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.002 min
Response: 149824913
Conc: 49.02 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 211171271
Conc: 52.20 ng/ml



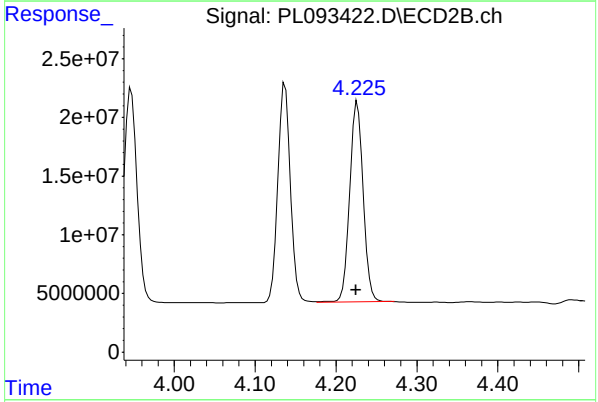
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 142048171
Conc: 47.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

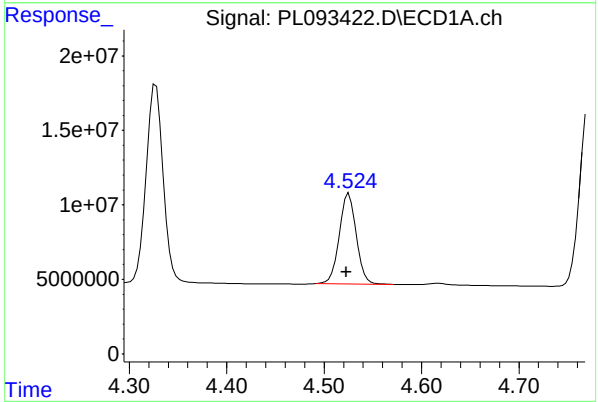
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



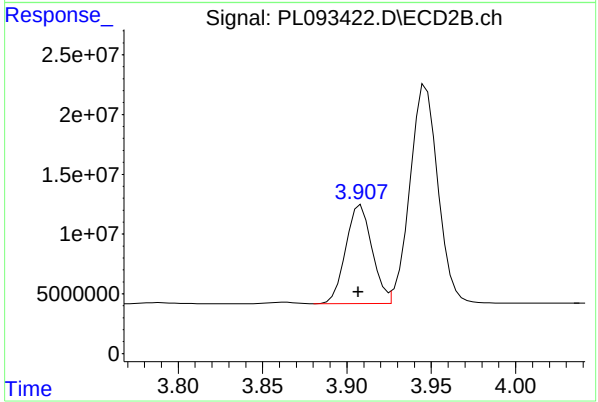
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.002 min
Response: 197150112
Conc: 49.55 ng/ml



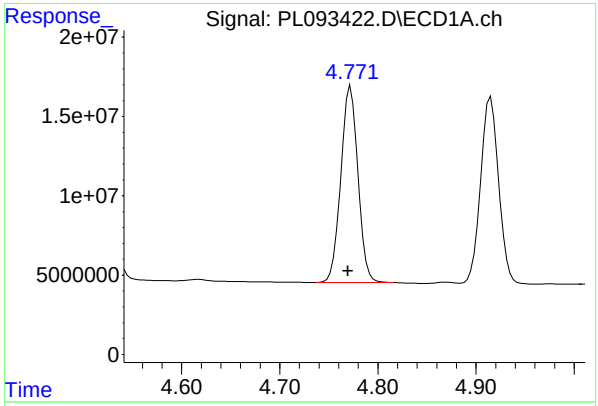
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 73302623
Conc: 48.55 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.002 min
Response: 89793282
Conc: 50.48 ng/ml



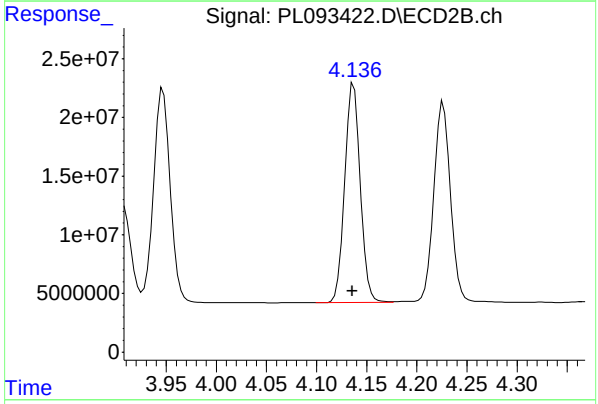
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.003 min
Response: 150240899
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

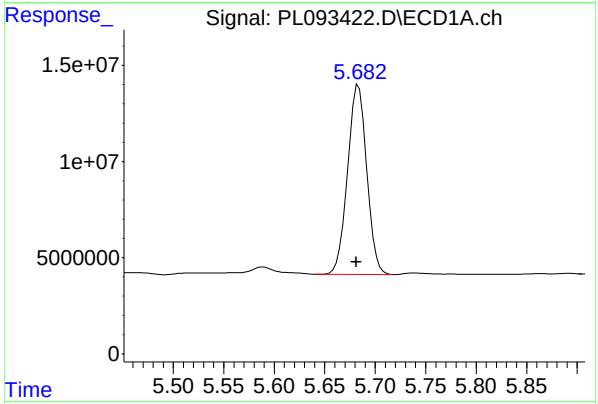
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



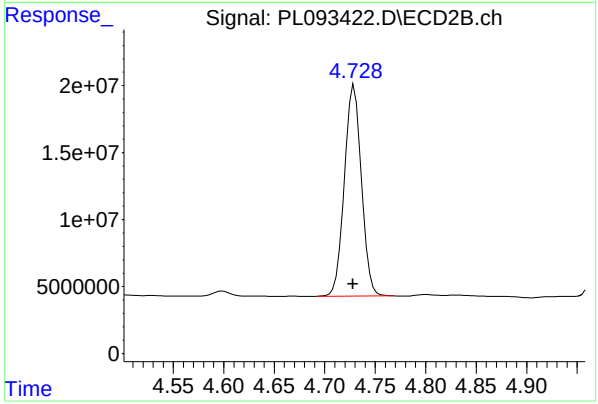
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.002 min
Response: 201587868
Conc: 47.25 ng/ml



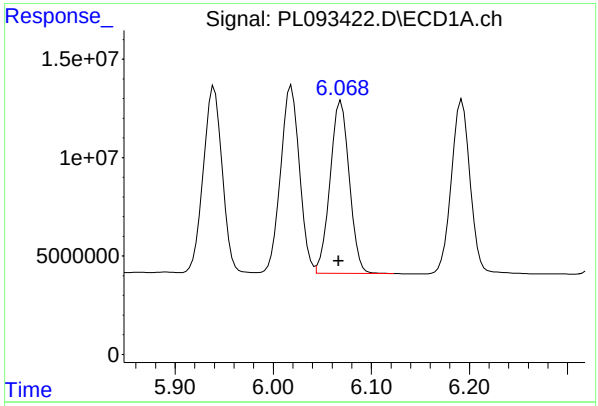
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 130305891
Conc: 46.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.729 min
Delta R.T.: 0.001 min
Response: 185143030
Conc: 50.83 ng/ml



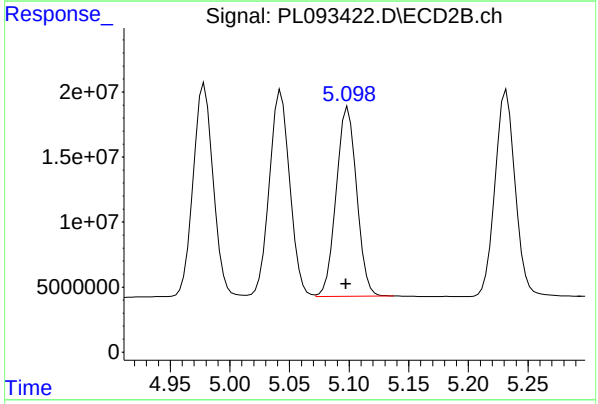
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 119312122
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

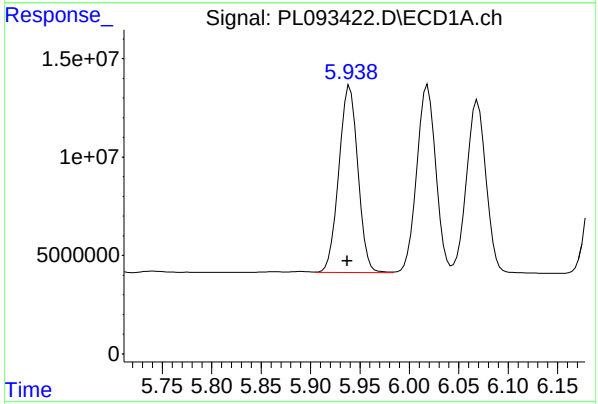
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



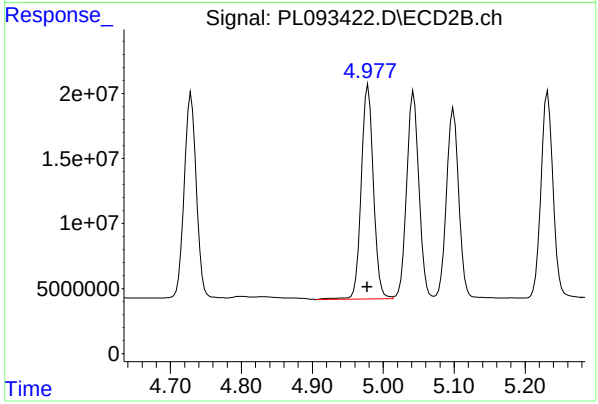
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 173641332
Conc: 51.94 ng/ml



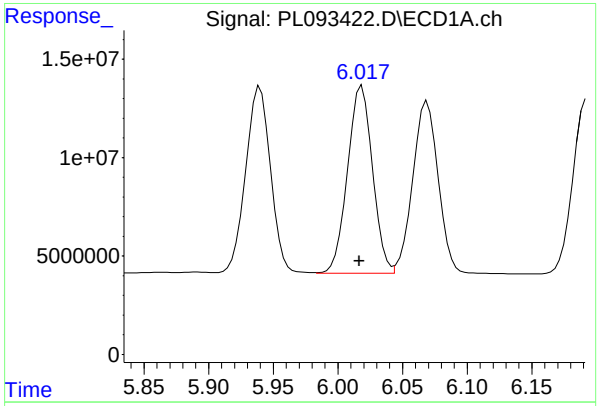
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.002 min
Response: 127218420
Conc: 49.38 ng/ml



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: 0.001 min
Response: 195379513
Conc: 52.73 ng/ml



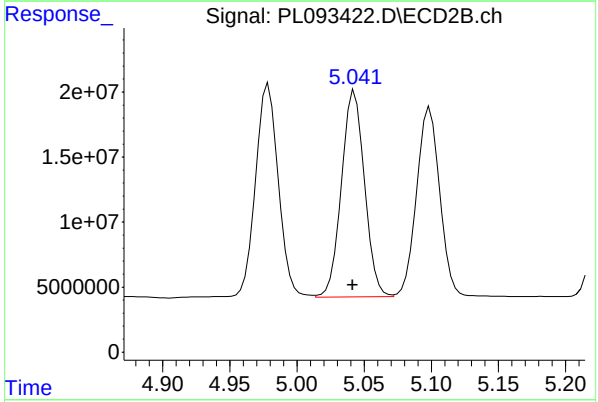
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 127760879
Conc: 49.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

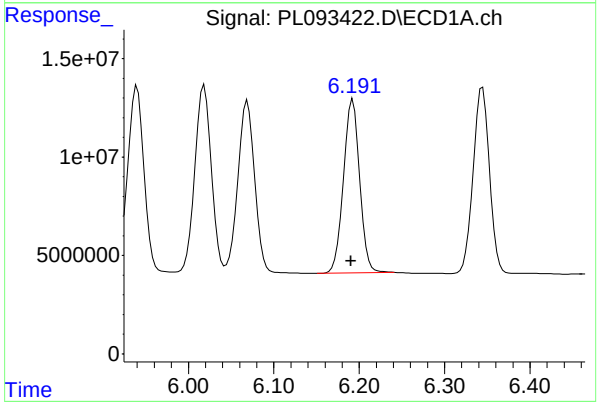
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



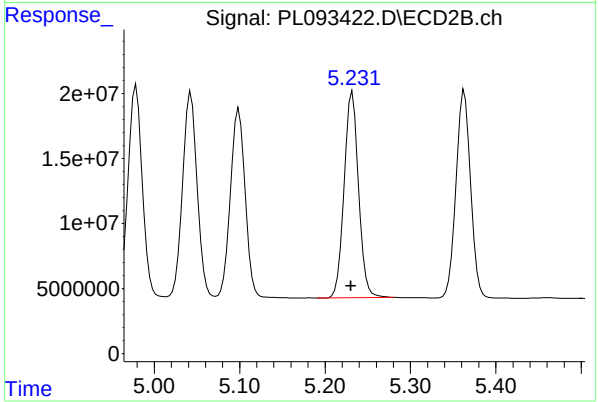
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.001 min
Response: 189892626
Conc: 52.31 ng/ml



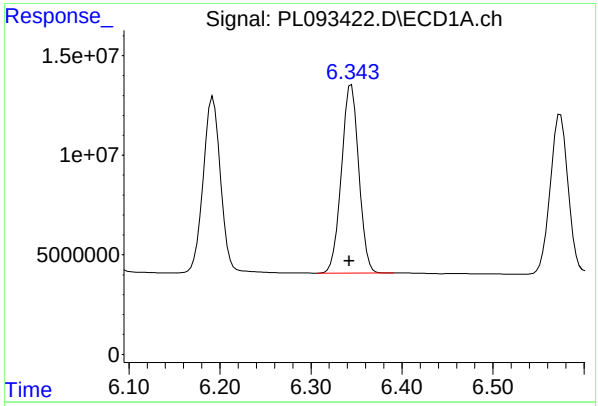
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 116323434
Conc: 49.73 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 186066348
Conc: 51.97 ng/ml



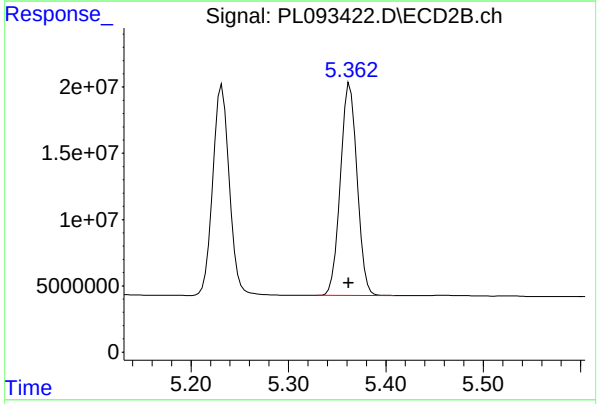
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.002 mi
Response: 125624982
Conc: 49.01 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

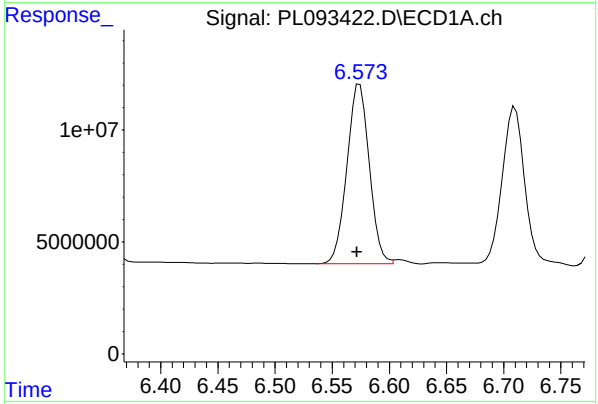
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



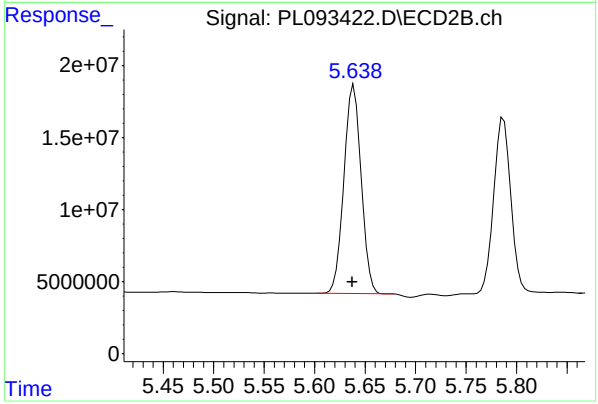
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.001 min
Response: 190282235
Conc: 51.63 ng/ml



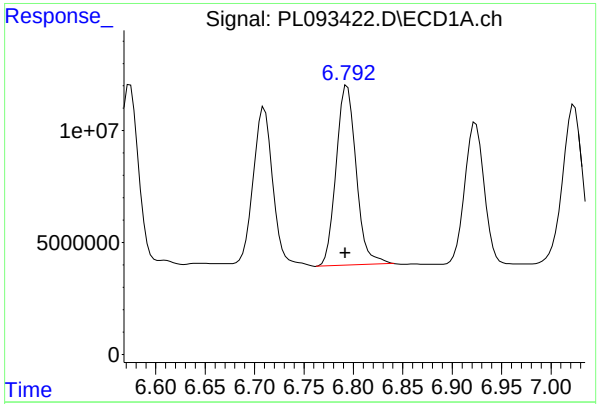
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 109663715
Conc: 52.28 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 172424102
Conc: 54.06 ng/ml



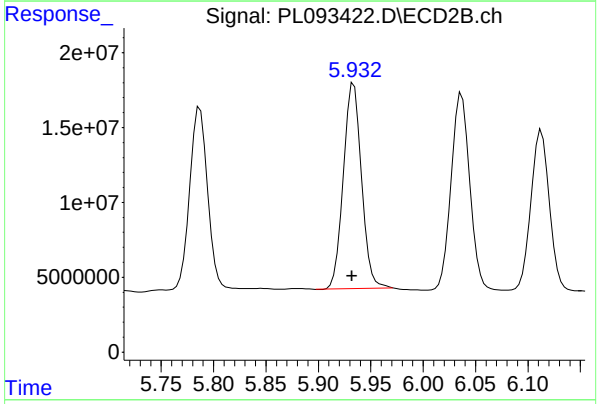
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 112856807
Conc: 51.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

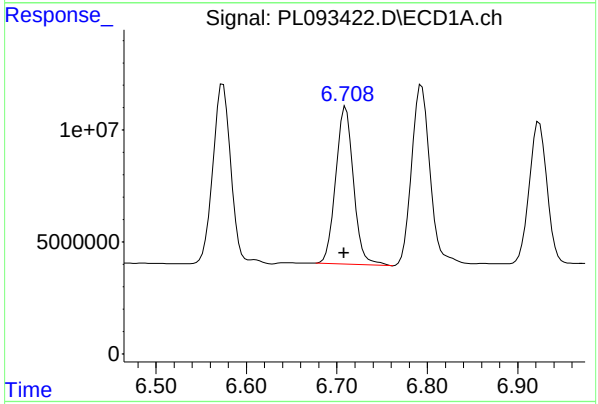
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



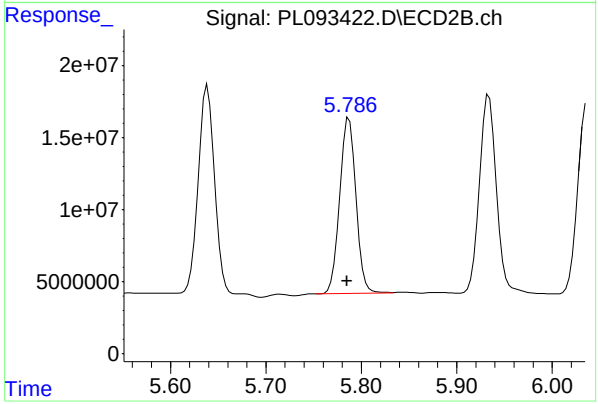
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 166312255
Conc: 52.48 ng/ml



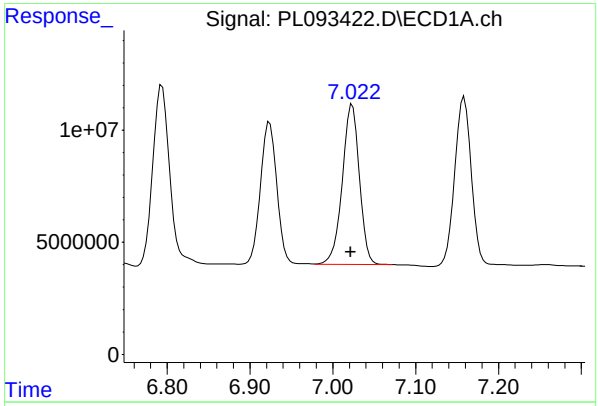
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 96253889
Conc: 52.53 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 144619038
Conc: 51.59 ng/ml



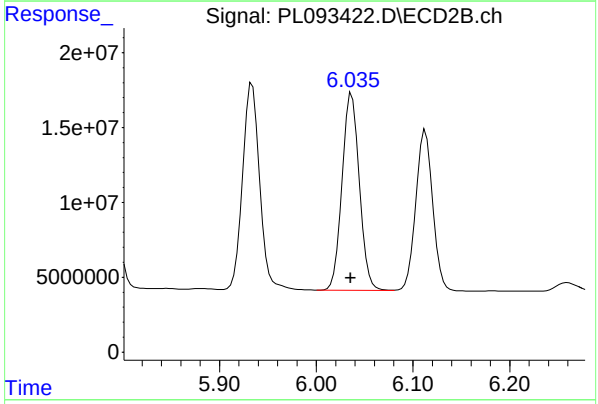
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 102710735
Conc: 53.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

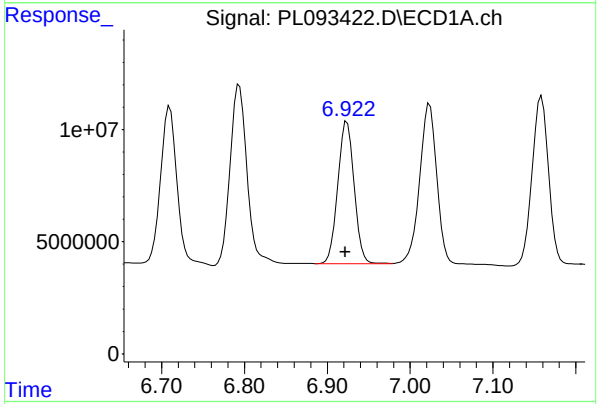
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



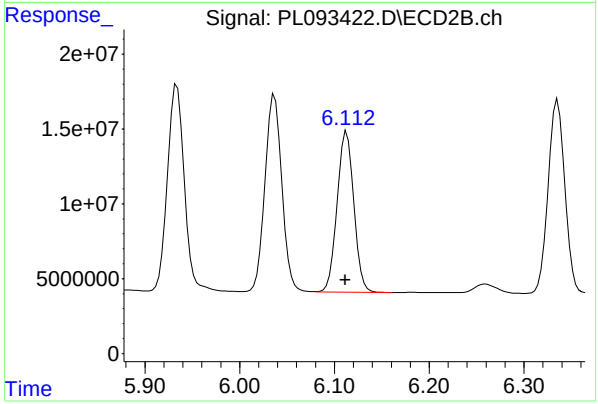
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.001 min
Response: 162683829
Conc: 54.93 ng/ml



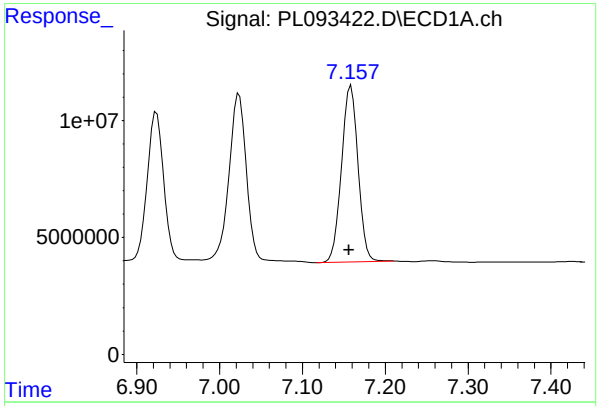
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 87164289
Conc: 48.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 131062090
Conc: 49.98 ng/ml



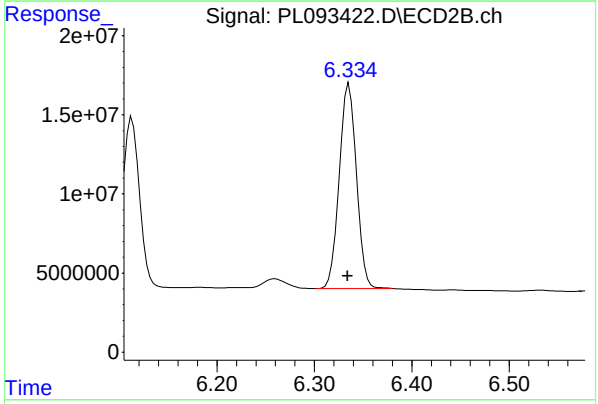
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 104582053
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

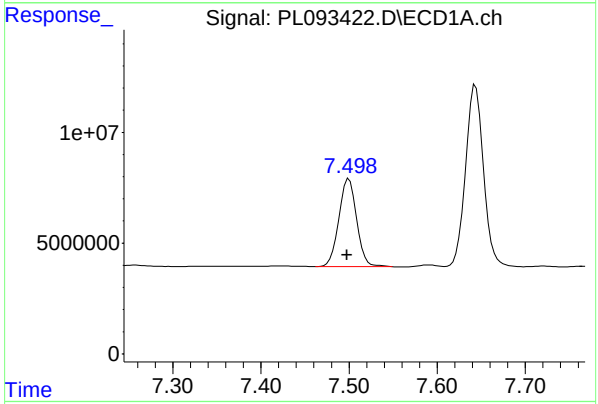
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



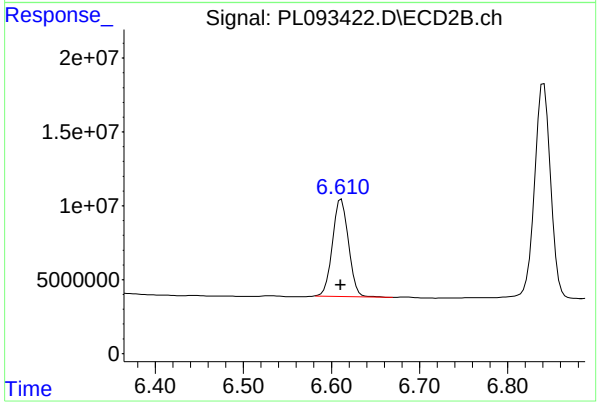
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.001 min
Response: 158545155
Conc: 52.16 ng/ml



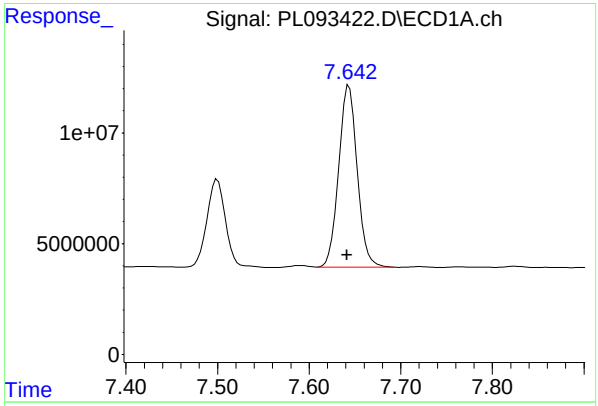
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 55827578
Conc: 53.43 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 83029626
Conc: 54.38 ng/ml



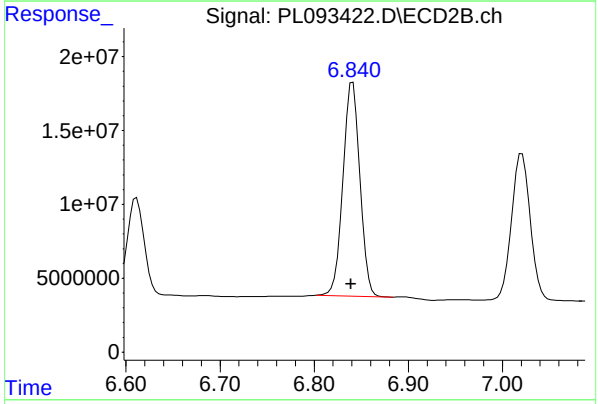
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 115782377
Conc: 51.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

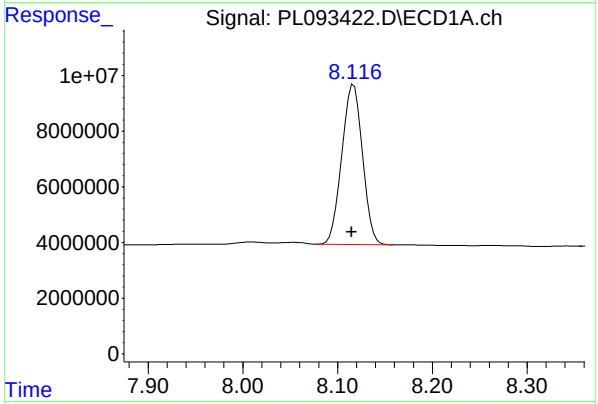
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



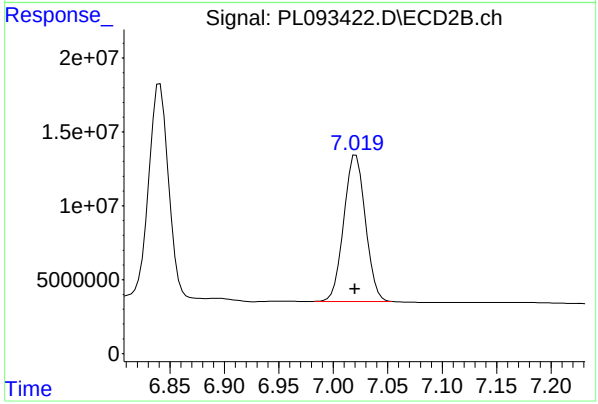
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 181484732
Conc: 54.06 ng/ml



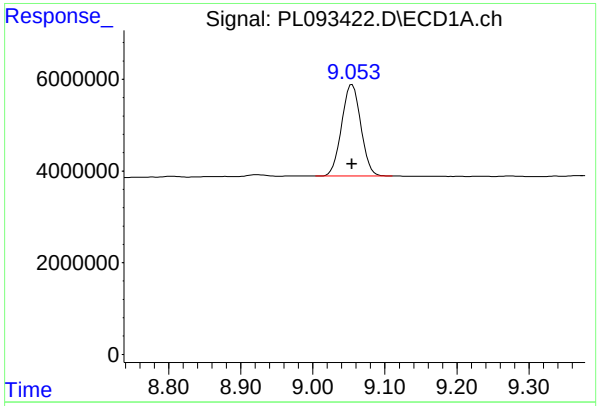
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 87249301
Conc: 48.30 ng/ml



#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 136801380
Conc: 50.92 ng/ml



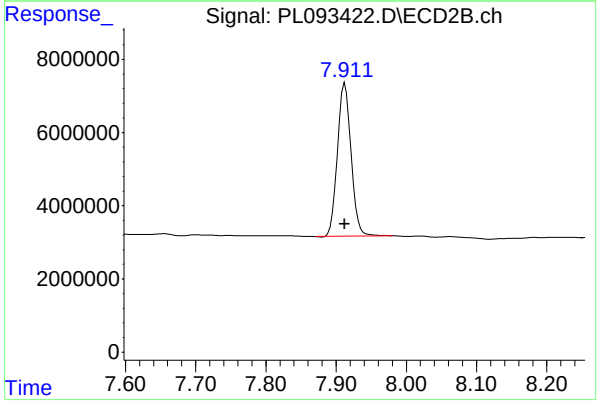
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 36810394
Conc: 21.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 56355891
Conc: 19.73 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MSD	SDG No.:	P5306
Lab Sample ID:	P5306-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093423.D	1	12/18/24 08:10	12/18/24 17:24	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.019		0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.019		0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.017		0.00052	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.019		0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.018		0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.019		0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.019		0.00017	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.019		0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.020		0.00018	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.019		0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.020		0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.020		0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.020		0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.1		55 - 130		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		42 - 129		96%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	12/12/24
Project:	Raymark Superfund Site	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MSD	SDG No.:	P5306
Lab Sample ID:	P5306-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.8 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
PL093423.D	1	12/18/24 08:10	12/18/24 17:24	PB165704

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:24
Operator : AR\AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	49764919	54190459	19.148m	18.790
28)	SA Decachlor...	9.056	7.913	36734068	56641240	21.129	19.829
	Target Compounds						
2)	A alpha-BHC	3.995	3.279	172.5E6	215.1E6	48.331	50.375
3)	MA gamma-BHC...	4.328	3.609	162.0E6	204.9E6	47.957	49.503
4)	MA Heptachlor	4.916	3.947	150.2E6	212.1E6	49.141	52.439
5)	MB Aldrin	5.258	4.227	142.6E6	197.8E6	47.434	49.722
6)	B beta-BHC	4.526	3.909	74120583	90131985	49.095	50.668
7)	B delta-BHC	4.773	4.138	151.1E6	202.9E6	45.659	47.567
8)	B Heptachlo...	5.684	4.730	130.5E6	186.0E6	47.007	51.076
9)	A Endosulfan I	6.070	5.100	120.2E6	174.2E6	49.383	52.108
10)	B gamma-Chl...	5.940	4.980	127.5E6	195.9E6	49.476	52.863
11)	B alpha-Chl...	6.019	5.043	128.4E6	190.0E6	49.542	52.343
12)	B 4,4'-DDE	6.193	5.232	117.1E6	187.3E6	50.050	52.324
13)	MA Dieldrin	6.345	5.364	126.0E6	191.9E6	49.143	52.080
14)	MA Endrin	6.573	5.639	110.0E6	175.1E6	52.443m	54.910
15)	B Endosulfa...	6.794	5.934	113.0E6	166.6E6	51.801	52.565
16)	A 4,4'-DDD	6.710	5.787	97164827	144.1E6	53.029	51.410
17)	MA 4,4'-DDT	7.024	6.037	102.1E6	163.0E6	52.980	55.038
18)	B Endrin al...	6.925	6.113	87554685	129.8E6	48.463	49.517
19)	B Endosulfa...	7.159	6.336	105.0E6	159.4E6	50.679	52.450
20)	A Methoxychlor	7.501	6.612	56413444	83675858	53.990	54.800
21)	B Endrin ke...	7.644	6.842	117.5E6	182.3E6	51.786	54.308
22)	Mirex	8.118	7.021	87244952	139.1E6	48.302	51.790

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

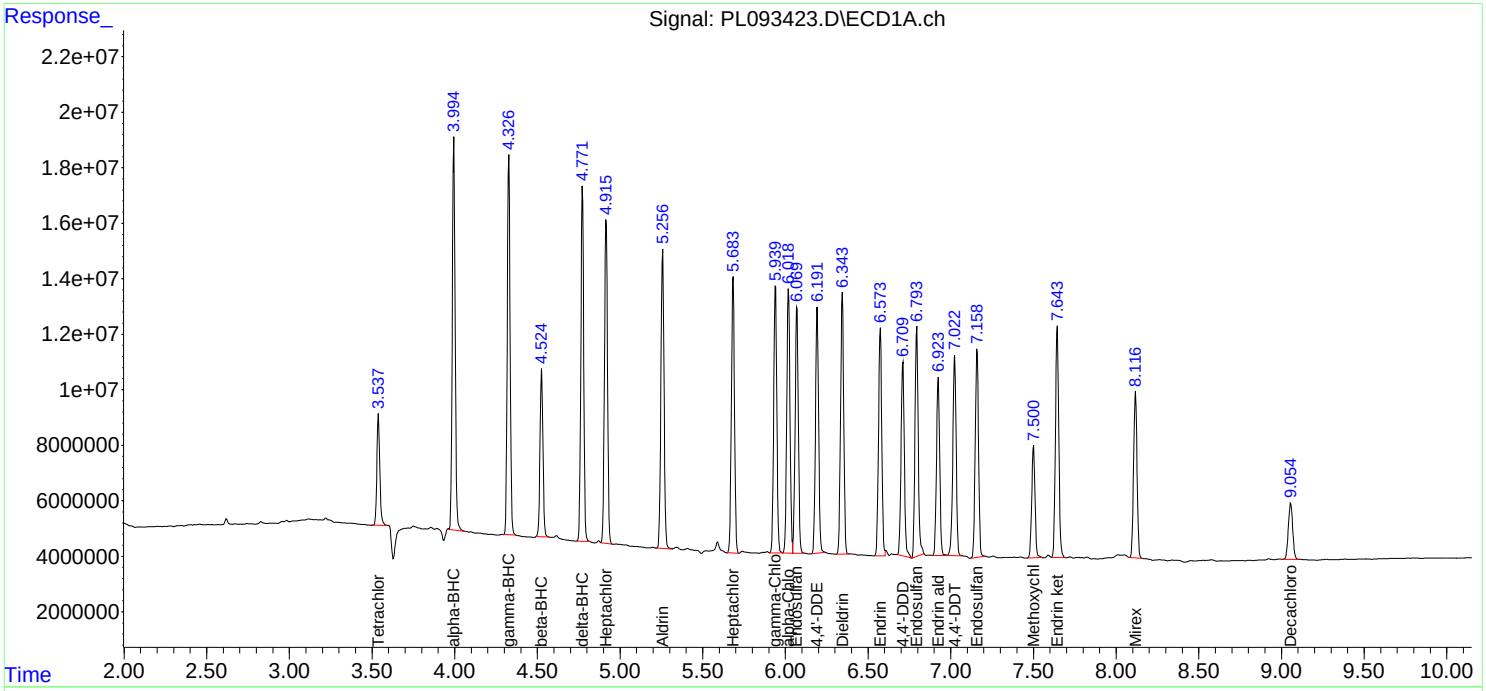
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:24
Operator : AR\AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

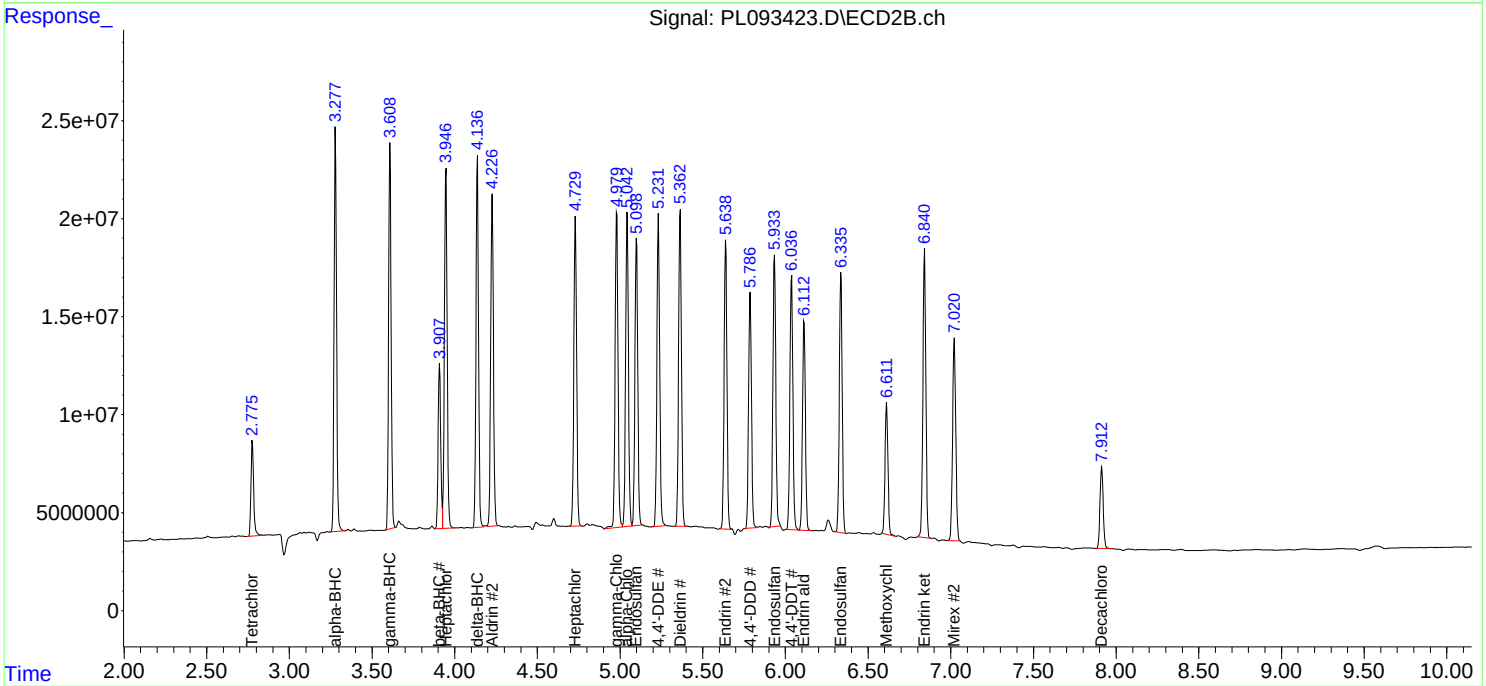
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

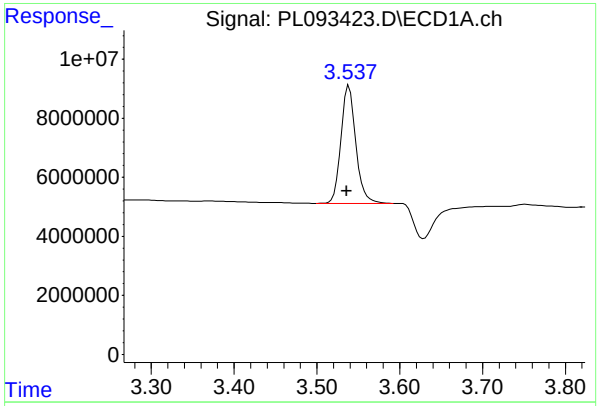
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







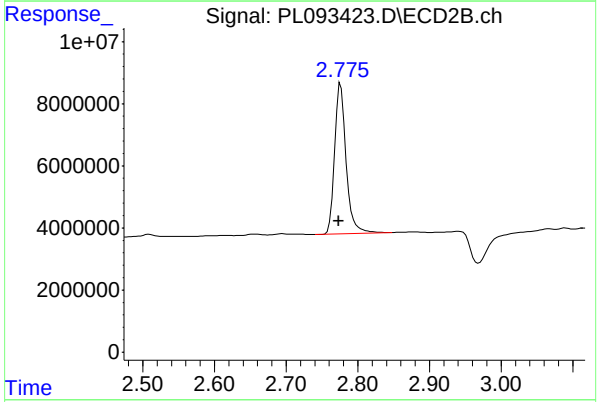
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.001 min
Response: 49764919
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

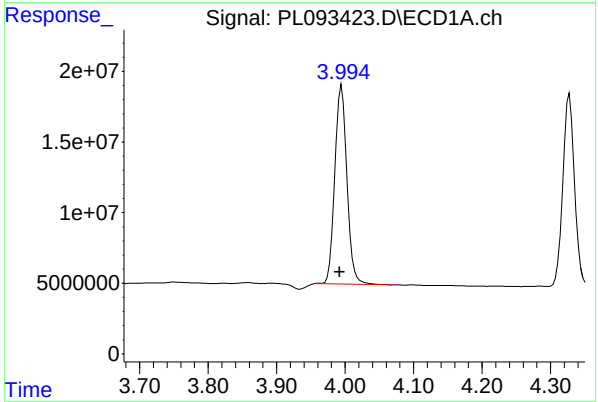
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



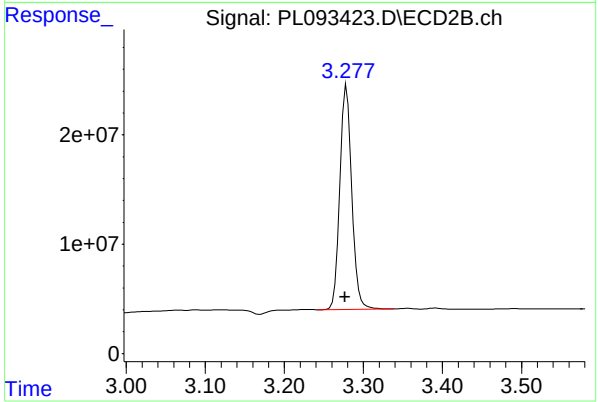
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.003 min
Response: 54190459
Conc: 18.79 ng/ml



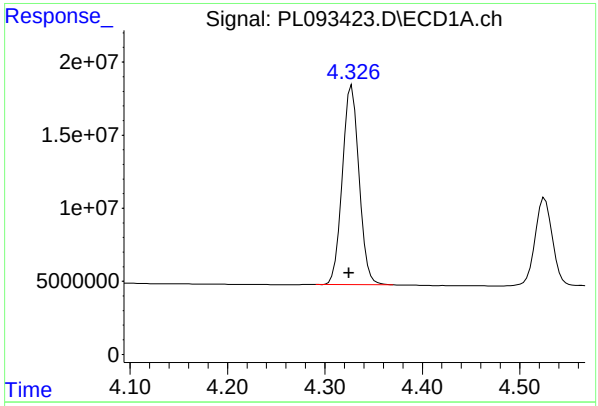
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 172466700
Conc: 48.33 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: 0.002 min
Response: 215071406
Conc: 50.37 ng/ml



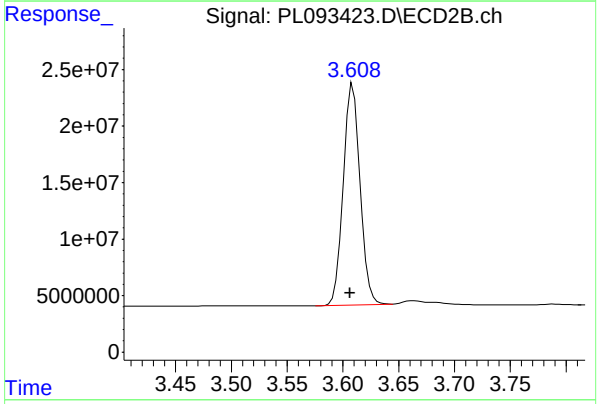
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 162030299
Conc: 47.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

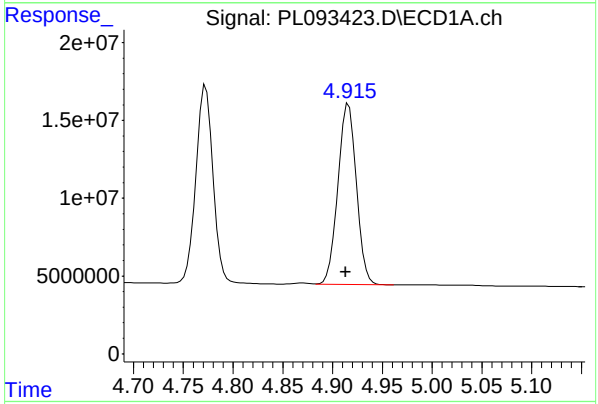
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



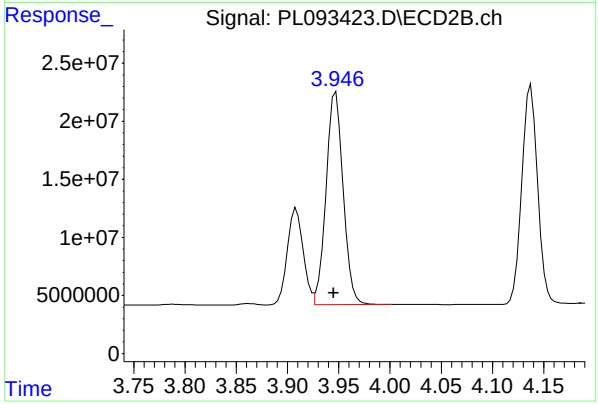
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.003 min
Response: 204929402
Conc: 49.50 ng/ml



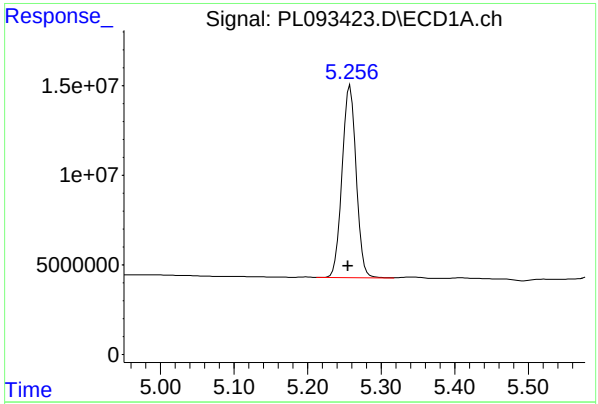
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 150178874
Conc: 49.14 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 212142814
Conc: 52.44 ng/ml



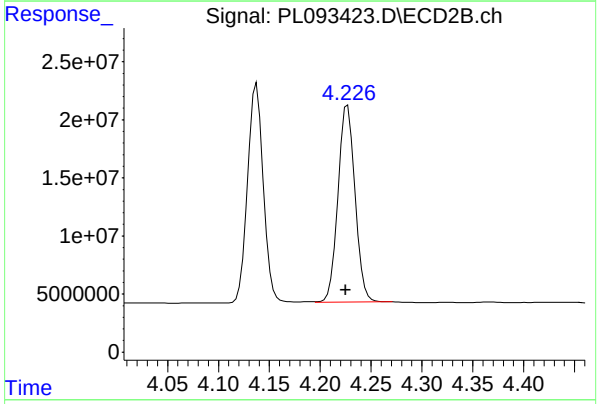
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.003 min
Response: 142642233
Conc: 47.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

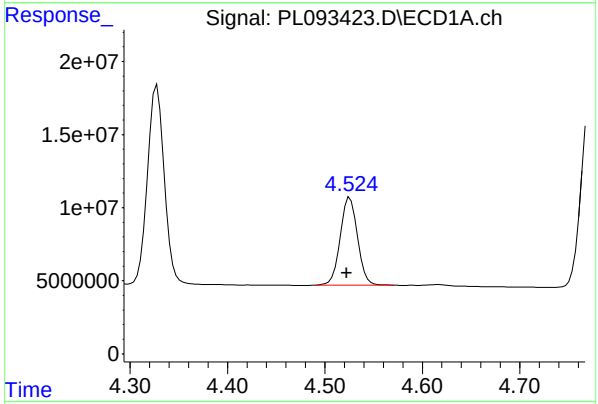
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



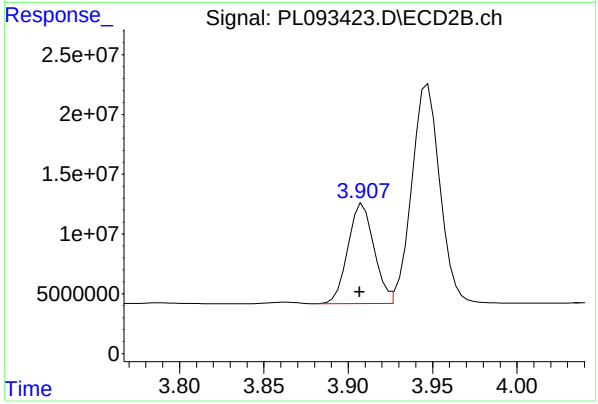
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 197836319
Conc: 49.72 ng/ml



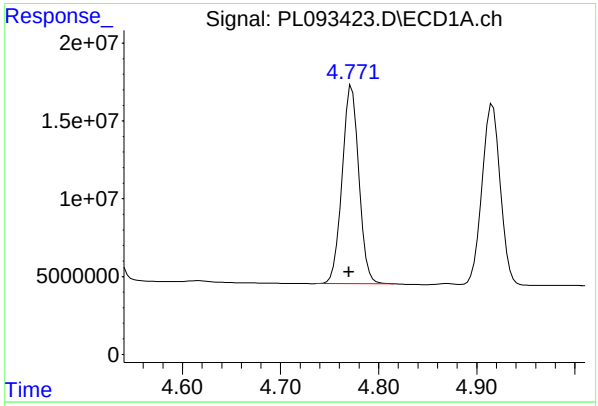
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 74120583
Conc: 49.10 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 90131985
Conc: 50.67 ng/ml



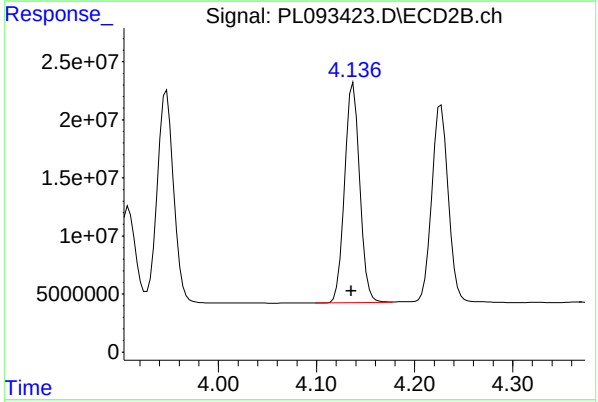
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.003 min
Response: 151067698
Conc: 45.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

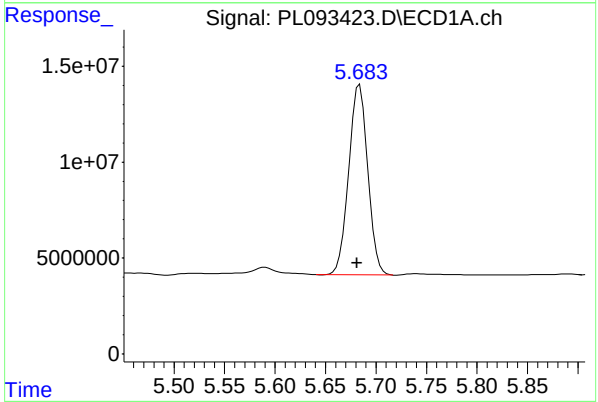
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



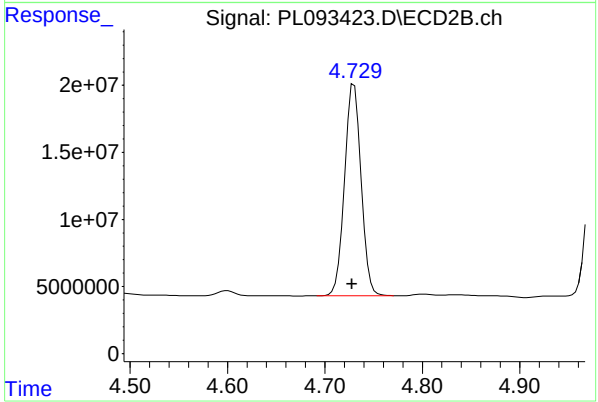
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.002 min
Response: 202944305
Conc: 47.57 ng/ml



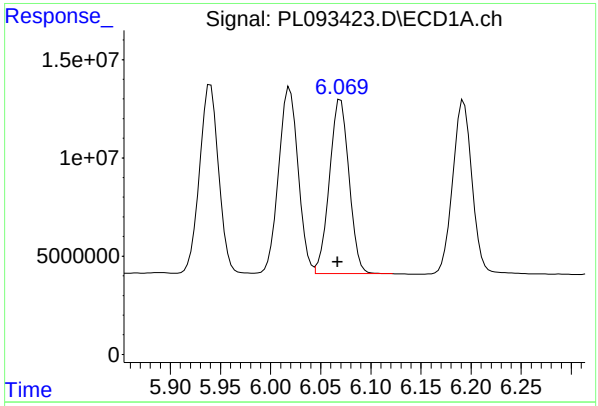
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 130524226
Conc: 47.01 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 186029413
Conc: 51.08 ng/ml



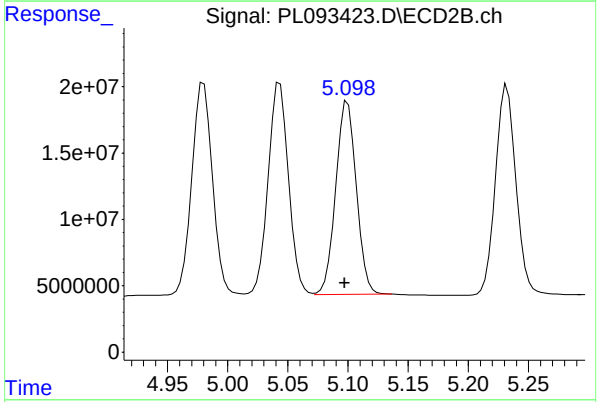
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.003 min
Response: 120206464
Conc: 49.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

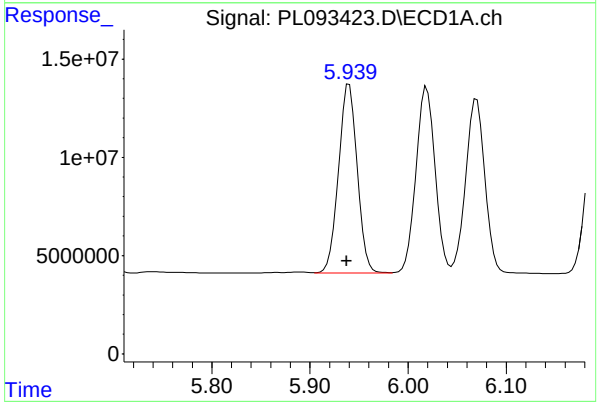
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



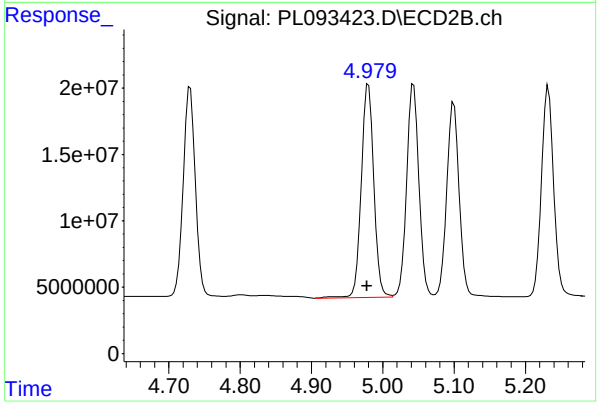
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.002 min
Response: 174194398
Conc: 52.11 ng/ml



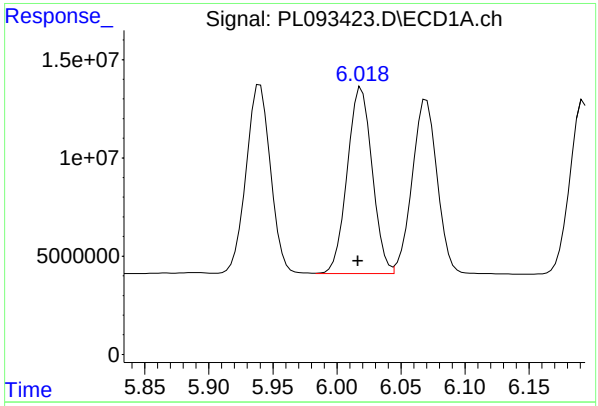
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.003 min
Response: 127466493
Conc: 49.48 ng/ml



#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 195864841
Conc: 52.86 ng/ml



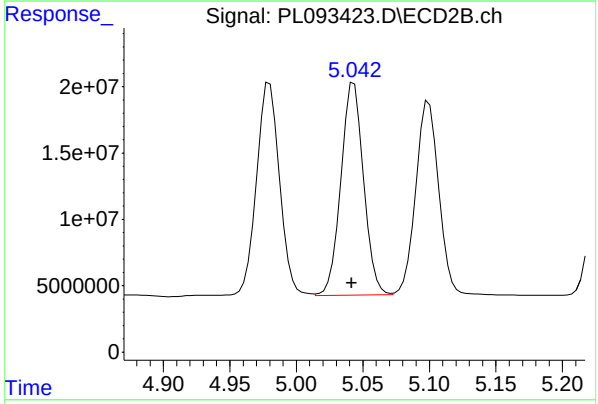
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.003 min
Response: 128366567
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

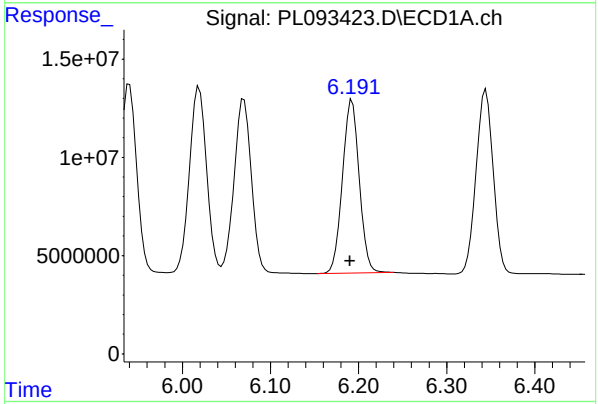
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



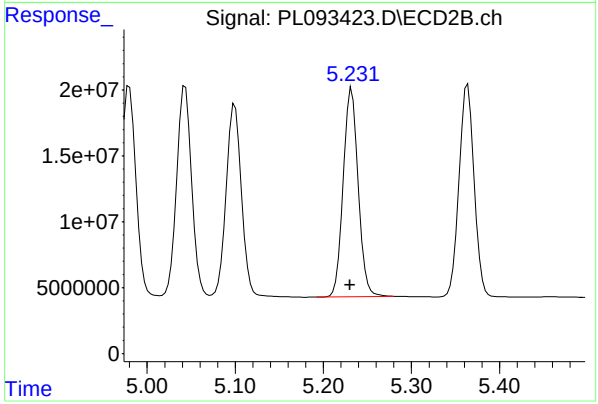
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 190019466
Conc: 52.34 ng/ml



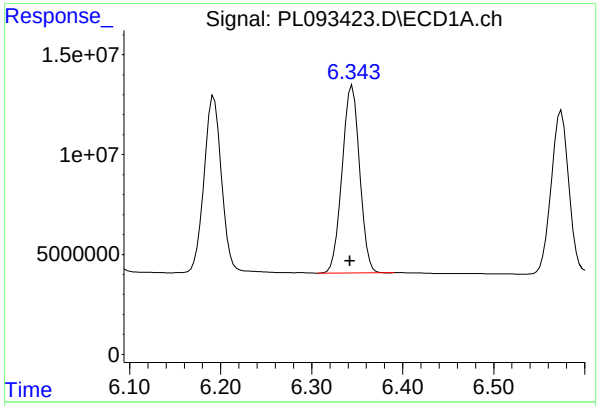
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 117082036
Conc: 50.05 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 187320526
Conc: 52.32 ng/ml



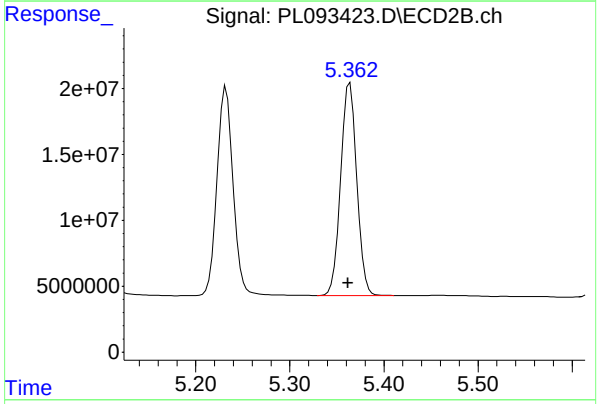
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 125961818
Conc: 49.14 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

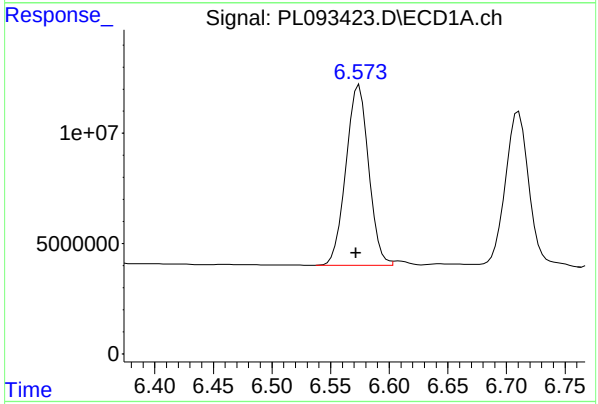
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



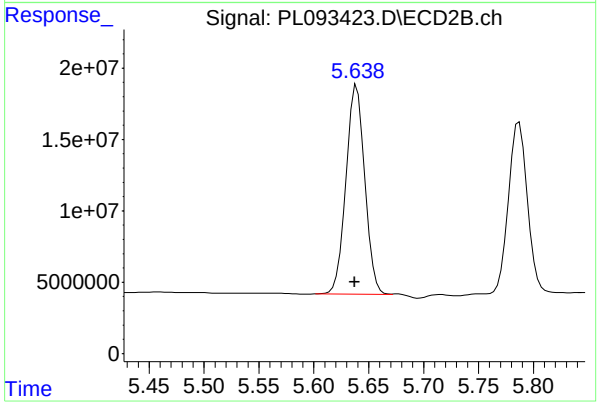
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 191940036
Conc: 52.08 ng/ml



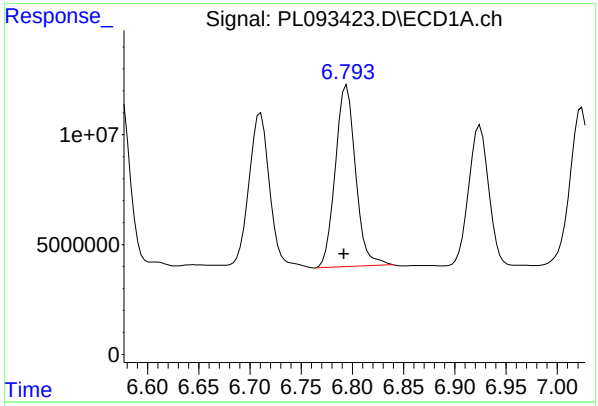
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.001 min
Response: 109998644
Conc: 52.44 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 175122676
Conc: 54.91 ng/ml



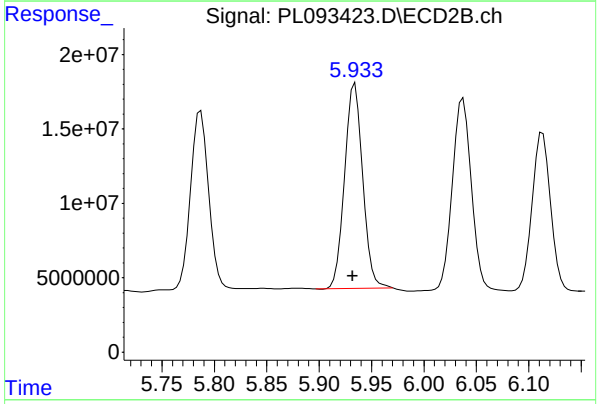
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.003 min
Response: 112952495
Conc: 51.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

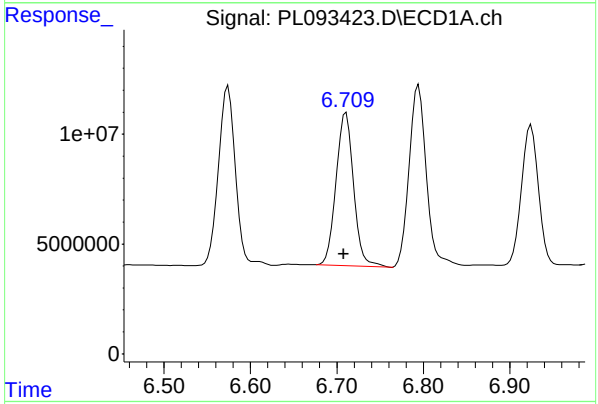
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



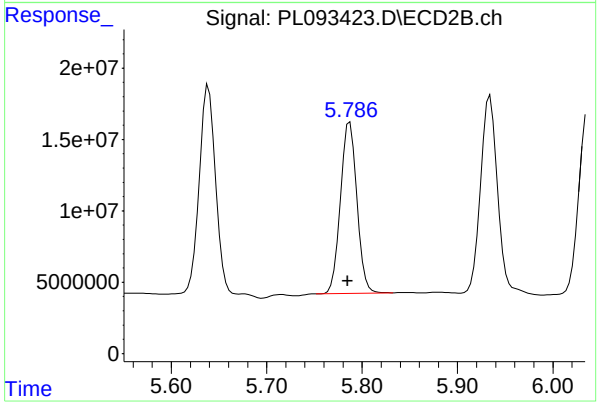
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 166579226
Conc: 52.57 ng/ml



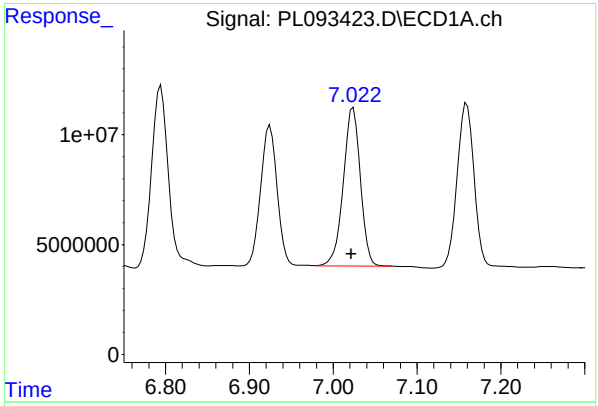
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.003 min
Response: 97164827
Conc: 53.03 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 144124438
Conc: 51.41 ng/ml



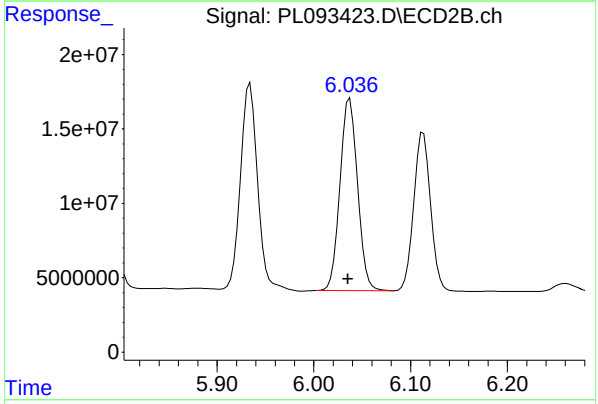
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 102136382
Conc: 52.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

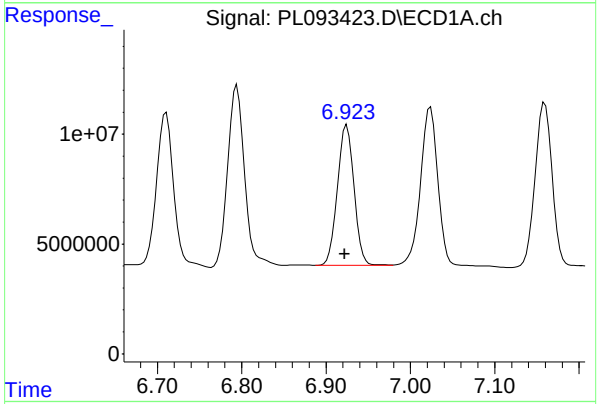
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



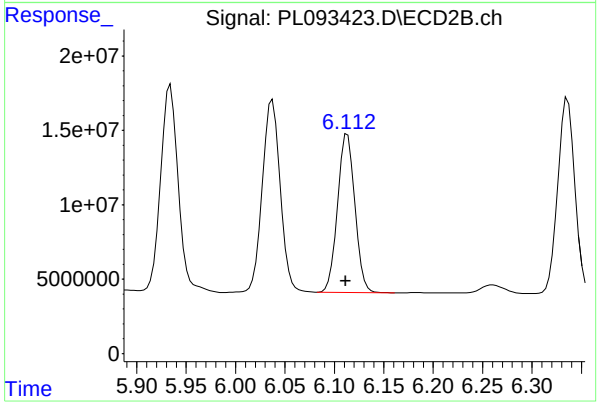
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.002 min
Response: 163011089
Conc: 55.04 ng/ml



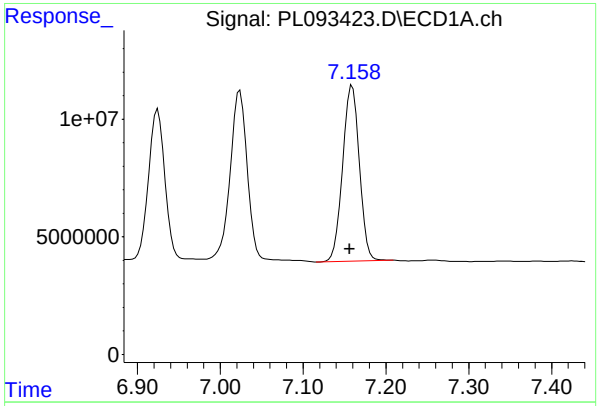
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.003 min
Response: 87554685
Conc: 48.46 ng/ml



#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 129848757
Conc: 49.52 ng/ml



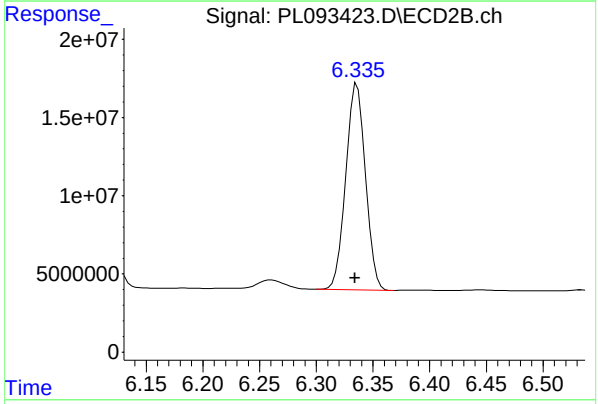
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 105042279
Conc: 50.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

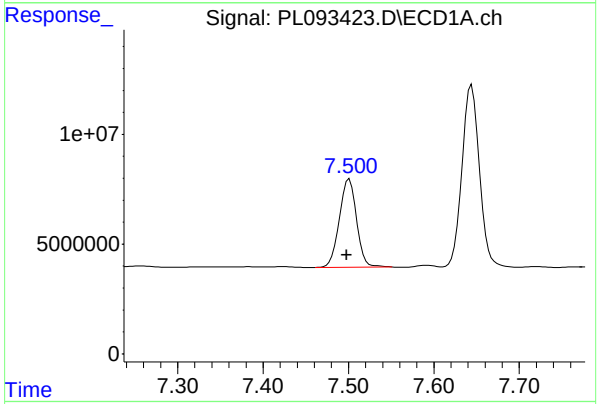
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



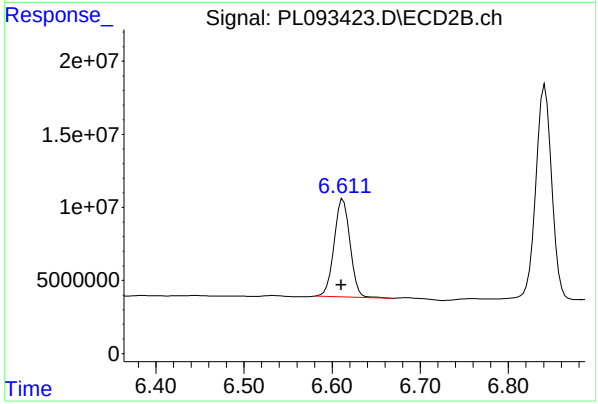
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.002 min
Response: 159430851
Conc: 52.45 ng/ml



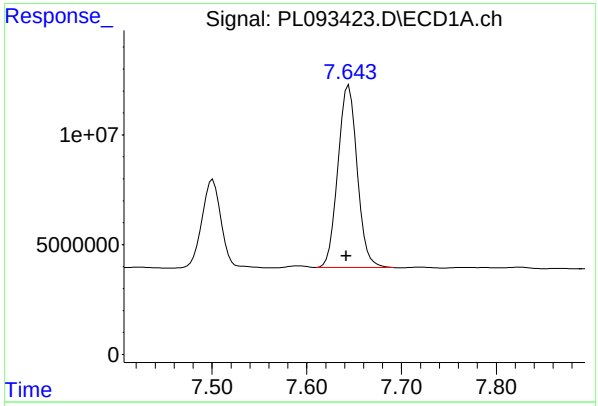
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 56413444
Conc: 53.99 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 83675858
Conc: 54.80 ng/ml



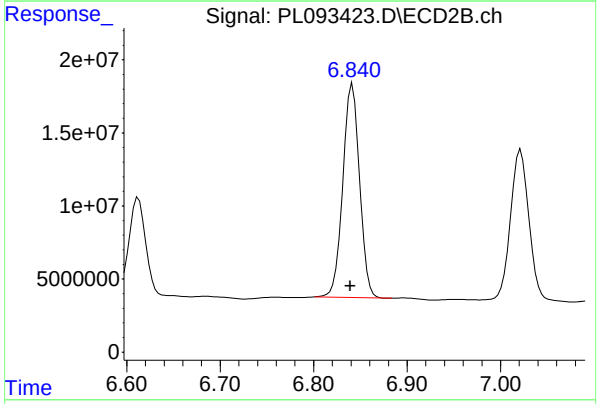
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 117516199
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

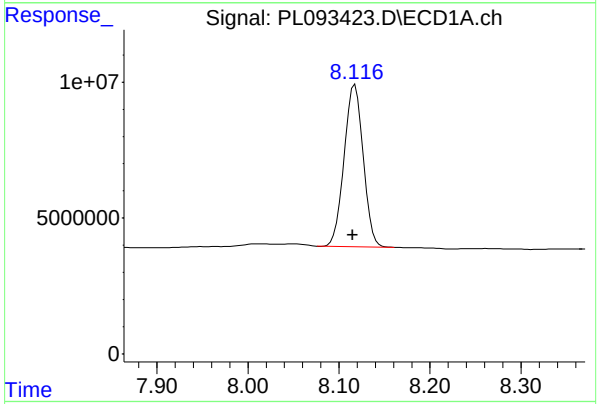
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



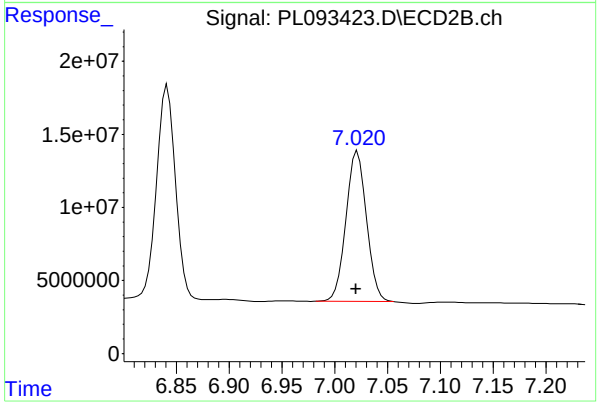
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.002 min
Response: 182313557
Conc: 54.31 ng/ml



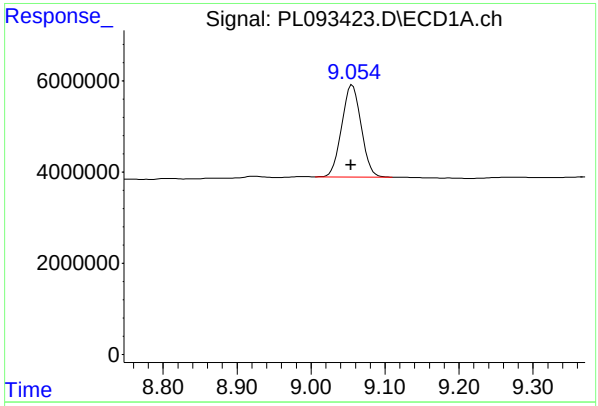
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 87244952
Conc: 48.30 ng/ml



#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.001 min
Response: 139135866
Conc: 51.79 ng/ml



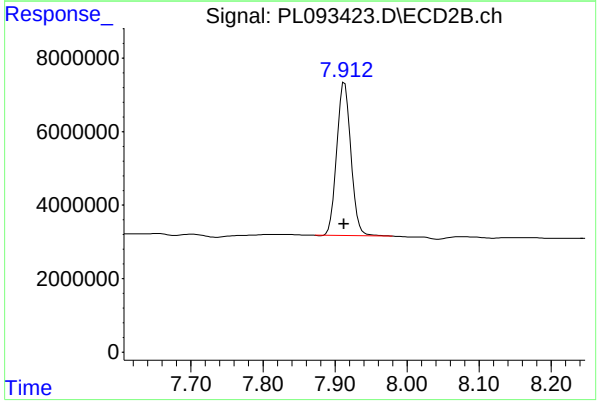
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 mi
Response: 36734068
Conc: 21.13 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 12/19/2024
Supervised By :Ankita Jodhani 12/19/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 56641240
Conc: 19.83 ng/ml

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

Manual Integration Report

Sequence:	PL112524	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093231.D	4,4"-DDD	yogesh	11/26/2024 8:18:02 AM	Ankita	11/26/2024 4:22:38	Peak Integrated by Software
PSTDICC005	PL093237.D	4,4"-DDD	yogesh	11/26/2024 8:18:03 AM	Ankita	11/26/2024 4:22:39	Peak Integrated by Software
PSTDICC005	PL093237.D	Decachlorobiphenyl	yogesh	11/26/2024 8:18:03 AM	Ankita	11/26/2024 4:22:39	Peak Integrated by Software
PSTDICC005	PL093237.D	Heptachlor	yogesh	11/26/2024 8:18:03 AM	Ankita	11/26/2024 4:22:39	Peak Integrated by Software
PSTDICC005	PL093237.D	Mirex #2	yogesh	11/26/2024 8:18:03 AM	Ankita	11/26/2024 4:22:39	Peak Integrated by Software
PCHLORICV500	PL093249.D	Chlordane-1 #2	yogesh	11/26/2024 8:18:08 AM	Ankita	11/26/2024 4:22:45	Peak Integrated by Software
PCHLORICV500	PL093249.D	Chlordane-2	yogesh	11/26/2024 8:18:08 AM	Ankita	11/26/2024 4:22:45	Peak Integrated by Software
PCHLORICV500	PL093249.D	Chlordane-5	yogesh	11/26/2024 8:18:08 AM	Ankita	11/26/2024 4:22:45	Peak Integrated by Software
PCHLORICV500	PL093249.D	Chlordane-5 #2	yogesh	11/26/2024 8:18:08 AM	Ankita	11/26/2024 4:22:45	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl121824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093408.D	4,4"-DDE	Abdul	12/19/2024 9:42:50 AM	Ankita	12/19/2024 10:28:26	Peak Integrated by Software
PEM	PL093408.D	4,4"-DDE #2	Abdul	12/19/2024 9:42:50 AM	Ankita	12/19/2024 10:28:26	Peak Integrated by Software
PEM	PL093408.D	Endrin	Abdul	12/19/2024 9:42:50 AM	Ankita	12/19/2024 10:28:26	Peak Integrated by Software
PSTDCCC050	PL093409.D	Endrin	Abdul	12/19/2024 9:42:54 AM	Ankita	12/19/2024 10:28:28	Peak Integrated by Software
PSTDCCC050	PL093415.D	Endrin	Abdul	12/19/2024 9:43:08 AM	Ankita	12/19/2024 10:28:34	Peak Integrated by Software
P5306-01	PL093421.D	Tetrachloro-m-xylene	Abdul	12/19/2024 9:43:22 AM	Ankita	12/19/2024 10:28:40	Peak Integrated by Software
P5306-01MS	PL093422.D	Endrin	Abdul	12/19/2024 9:43:26 AM	Ankita	12/19/2024 10:28:41	Peak Integrated by Software
P5306-01MS	PL093422.D	Tetrachloro-m-xylene	Abdul	12/19/2024 9:43:26 AM	Ankita	12/19/2024 10:28:41	Peak Integrated by Software
P5306-01MSD	PL093423.D	Endrin	Abdul	12/19/2024 9:43:30 AM	Ankita	12/19/2024 10:28:43	Peak Integrated by Software
P5306-01MSD	PL093423.D	Tetrachloro-m-xylene	Abdul	12/19/2024 9:43:30 AM	Ankita	12/19/2024 10:28:43	Peak Integrated by Software
P5306-03	PL093424.D	Tetrachloro-m-xylene	Abdul	12/19/2024 9:43:33 AM	Ankita	12/19/2024 10:28:44	Peak Integrated by Software
P5306-05	PL093425.D	Tetrachloro-m-xylene	Abdul	12/19/2024 9:43:36 AM	Ankita	12/19/2024 10:28:46	Peak Integrated by Software
PSTDCCC050	PL093427.D	Endrin	Abdul	12/19/2024 9:43:40 AM	Ankita	12/19/2024 10:28:49	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl121824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	pl121924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093430.D	4,4"-DDD	Abdul	12/20/2024 9:18:48 AM	Ankita	12/20/2024 10:43:41	Peak Integrated by Software
PEM	PL093430.D	4,4"-DDE	Abdul	12/20/2024 9:18:48 AM	Ankita	12/20/2024 10:43:41	Peak Integrated by Software
PEM	PL093430.D	4,4"-DDE #2	Abdul	12/20/2024 9:18:48 AM	Ankita	12/20/2024 10:43:41	Peak Integrated by Software
PEM	PL093430.D	Endrin	Abdul	12/20/2024 9:18:48 AM	Ankita	12/20/2024 10:43:41	Peak Integrated by Software
PEM	PL093430.D	Methoxychlor #2	Abdul	12/20/2024 9:18:48 AM	Ankita	12/20/2024 10:43:41	Peak Integrated by Software
PCHLORCCC500	PL093432.D	Chlordane-1	Abdul	12/20/2024 9:18:53 AM	Ankita	12/20/2024 10:43:42	Peak Integrated by Software
PCHLORCCC500	PL093432.D	Chlordane-2	Abdul	12/20/2024 9:18:53 AM	Ankita	12/20/2024 10:43:42	Peak Integrated by Software
PCHLORCCC500	PL093432.D	Chlordane-5	Abdul	12/20/2024 9:18:53 AM	Ankita	12/20/2024 10:43:42	Peak Integrated by Software
PCHLORCCC500	PL093432.D	Chlordane-5 #2	Abdul	12/20/2024 9:18:53 AM	Ankita	12/20/2024 10:43:42	Peak Integrated by Software
PTOXCCC500	PL093433.D	Toxaphene-1	Abdul	12/20/2024 9:18:56 AM	Ankita	12/20/2024 10:43:44	Peak Integrated by Software
PTOXCCC500	PL093433.D	Toxaphene-2	Abdul	12/20/2024 9:18:56 AM	Ankita	12/20/2024 10:43:44	Peak Integrated by Software
P5306-07	PL093436.D	Tetrachloro-m-xylene	Abdul	12/20/2024 9:19:09 AM	Ankita	12/20/2024 10:43:49	Peak Integrated by Software
P5306-09	PL093437.D	Tetrachloro-m-xylene	Abdul	12/20/2024 9:19:12 AM	Ankita	12/20/2024 10:43:50	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl121924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5306-13	PL093439.D	Tetrachloro-m-xylene	Abdul	12/20/2024 9:19:16 AM	Ankita	12/20/2024 10:43:52	Peak Integrated by Software
P5306-15	PL093440.D	Tetrachloro-m-xylene	Abdul	12/20/2024 9:19:21 AM	Ankita	12/20/2024 10:43:54	Peak Integrated by Software
PCHLORCCC500	PL093443.D	Chlordane-2	Abdul	12/20/2024 9:19:26 AM	Ankita	12/20/2024 10:43:57	Peak Integrated by Software
PCHLORCCC500	PL093443.D	Chlordane-5	Abdul	12/20/2024 9:19:26 AM	Ankita	12/20/2024 10:43:57	Peak Integrated by Software
PCHLORCCC500	PL093443.D	Chlordane-5 #2	Abdul	12/20/2024 9:19:26 AM	Ankita	12/20/2024 10:43:57	Peak Integrated by Software
PEM	PL093456.D	4,4"-DDD	Abdul	12/20/2024 9:20:18 AM	Ankita	12/20/2024 10:44:13	Peak Integrated by Software
PEM	PL093456.D	4,4"-DDE	Abdul	12/20/2024 9:20:18 AM	Ankita	12/20/2024 10:44:13	Peak Integrated by Software
PEM	PL093456.D	4,4"-DDE #2	Abdul	12/20/2024 9:20:18 AM	Ankita	12/20/2024 10:44:13	Peak Integrated by Software
PEM	PL093456.D	Endrin	Abdul	12/20/2024 9:20:18 AM	Ankita	12/20/2024 10:44:13	Peak Integrated by Software
PSTDCCC050	PL093457.D	gamma-Chlordane	Abdul	12/20/2024 9:20:22 AM	Ankita	12/20/2024 10:44:14	Peak Integrated by Software
PSTDCCC050	PL093457.D	gamma-Chlordane #2	Abdul	12/20/2024 9:20:22 AM	Ankita	12/20/2024 10:44:14	Peak Integrated by Software
PSTDCCC050	PL093460.D	Endrin	Abdul	12/20/2024 9:17:21 AM	Ankita	12/20/2024 10:44:16	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl121924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112524

Review By	yogesh	Review On	11/26/2024 8:18:30 AM		
Supervise By	Ankita	Supervise On	11/26/2024 4:22:56 PM		
SubDirectory	PL112524	HP Acquire Method		HP Processing Method	PL112524

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093229.D	25 Nov 2024 10:39	AR\AJ	Ok
2	I.BLK	PL093230.D	25 Nov 2024 10:52	AR\AJ	Ok
3	PEM	PL093231.D	25 Nov 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL093232.D	25 Nov 2024 11:18	AR\AJ	Ok
5	PSTDICC100	PL093233.D	25 Nov 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL093234.D	25 Nov 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL093235.D	25 Nov 2024 11:58	AR\AJ	Ok
8	PSTDICC025	PL093236.D	25 Nov 2024 12:11	AR\AJ	Ok
9	PSTDICC005	PL093237.D	25 Nov 2024 12:25	AR\AJ	Ok,M
10	PCHLORICC1000	PL093238.D	25 Nov 2024 12:38	AR\AJ	Ok
11	PCHLORICC750	PL093239.D	25 Nov 2024 12:51	AR\AJ	Ok
12	PCHLORICC500	PL093240.D	25 Nov 2024 13:04	AR\AJ	Ok
13	PCHLORICC250	PL093241.D	25 Nov 2024 13:18	AR\AJ	Ok
14	PCHLORICC050	PL093242.D	25 Nov 2024 13:31	AR\AJ	Ok,M
15	PTOXICC1000	PL093243.D	25 Nov 2024 13:44	AR\AJ	Ok
16	PTOXICC750	PL093244.D	25 Nov 2024 13:57	AR\AJ	Ok
17	PTOXICC500	PL093245.D	25 Nov 2024 14:11	AR\AJ	Ok
18	PTOXICC250	PL093246.D	25 Nov 2024 14:24	AR\AJ	Ok
19	PTOXICC100	PL093247.D	25 Nov 2024 14:37	AR\AJ	Ok,M
20	PSTDICV050	PL093248.D	25 Nov 2024 14:50	AR\AJ	Ok
21	PCHLORICV500	PL093249.D	25 Nov 2024 15:03	AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112524

Review By	yogesh	Review On	11/26/2024 8:18:30 AM		
Supervise By	Ankita	Supervise On	11/26/2024 4:22:56 PM		
SubDirectory	PL112524	HP Acquire Method		HP Processing Method	PL112524

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093250.D	25 Nov 2024 15:16	AR\AJ	Ok
23	I.BLK	PL093251.D	25 Nov 2024 15:30	AR\AJ	Ok
24	PEM	PL093252.D	25 Nov 2024 15:43	AR\AJ	Ok
25	PSTDCCC050	PL093253.D	25 Nov 2024 15:56	AR\AJ	Ok
26	PB165184BS	PL093254.D	25 Nov 2024 16:22	AR\AJ	Ok,M
27	PB165202BL	PL093255.D	25 Nov 2024 16:37	AR\AJ	Ok
28	PB165202BS	PL093256.D	25 Nov 2024 16:50	AR\AJ	Ok,M
29	PB165202BSD	PL093257.D	25 Nov 2024 17:03	AR\AJ	Ok,M
30	P4947-01	PL093258.D	25 Nov 2024 17:16	AR\AJ	Ok
31	I.BLK	PL093259.D	25 Nov 2024 17:29	AR\AJ	Ok
32	PSTDCCC050	PL093260.D	25 Nov 2024 17:42	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121824

Review By	Abdul	Review On	12/19/2024 9:44:00 AM		
Supervise By	Ankita	Supervise On	12/19/2024 10:29:06 AM		
SubDirectory	PL121824	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093406.D	18 Dec 2024 10:22	AR\AJ	Ok
2	I.BLK	PL093407.D	18 Dec 2024 10:35	AR\AJ	Ok
3	PEM	PL093408.D	18 Dec 2024 10:48	AR\AJ	Ok,M
4	PSTDCCC050	PL093409.D	18 Dec 2024 11:02	AR\AJ	Ok,M
5	PP24080	PL093410.D	18 Dec 2024 11:37	AR\AJ	Ok,M
6	PP24081	PL093411.D	18 Dec 2024 12:28	AR\AJ	Ok,M
7	PP24088	PL093412.D	18 Dec 2024 13:03	AR\AJ	Ok,M
8	PP24091	PL093413.D	18 Dec 2024 13:17	AR\AJ	Ok
9	I.BLK	PL093414.D	18 Dec 2024 14:10	AR\AJ	Ok
10	PSTDCCC050	PL093415.D	18 Dec 2024 14:24	AR\AJ	Ok,M
11	PB165704BL	PL093416.D	18 Dec 2024 15:49	AR\AJ	Ok
12	PB165704BS	PL093417.D	18 Dec 2024 16:03	AR\AJ	Ok
13	P5312-01	PL093418.D	18 Dec 2024 16:18	AR\AJ	Ok,M
14	P5312-03	PL093419.D	18 Dec 2024 16:32	AR\AJ	Ok,M
15	P5316-01	PL093420.D	18 Dec 2024 16:45	AR\AJ	Ok,M
16	P5306-01	PL093421.D	18 Dec 2024 16:58	AR\AJ	Ok,M
17	P5306-01MS	PL093422.D	18 Dec 2024 17:11	AR\AJ	Ok,M
18	P5306-01MSD	PL093423.D	18 Dec 2024 17:24	AR\AJ	Ok,M
19	P5306-03	PL093424.D	18 Dec 2024 17:38	AR\AJ	Ok,M
20	P5306-05	PL093425.D	18 Dec 2024 17:51	AR\AJ	Ok,M
21	I.BLK	PL093426.D	18 Dec 2024 18:04	AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121824

Review By	Abdul	Review On	12/19/2024 9:44:00 AM		
Supervise By	Ankita	Supervise On	12/19/2024 10:29:06 AM		
SubDirectory	PL121824	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PSTDCCC050	PL093427.D	18 Dec 2024 18:18	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121924

Review By	Abdul	Review On	12/20/2024 9:20:52 AM		
Supervise By	Ankita	Supervise On	12/20/2024 10:44:33 AM		
SubDirectory	PL121924	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093428.D	19 Dec 2024 12:12	AR\AJ	Ok
2	I.BLK	PL093429.D	19 Dec 2024 12:26	AR\AJ	Ok
3	PEM	PL093430.D	19 Dec 2024 12:39	AR\AJ	Ok,M
4	PSTDCCC050	PL093431.D	19 Dec 2024 12:52	AR\AJ	Ok
5	PCHLORCCC500	PL093432.D	19 Dec 2024 13:55	AR\AJ	Ok,M
6	PTOXCCC500	PL093433.D	19 Dec 2024 14:14	AR\AJ	Ok,M
7	PB165704BS	PL093434.D	19 Dec 2024 14:55	AR\AJ	Ok,M
8	PB165704BS	PL093435.D	19 Dec 2024 15:27	AR\AJ	Ok,M
9	P5306-07	PL093436.D	19 Dec 2024 15:47	AR\AJ	Ok,M
10	P5306-09	PL093437.D	19 Dec 2024 16:00	AR\AJ	Ok,M
11	P5306-11	PL093438.D	19 Dec 2024 16:14	AR\AJ	Ok
12	P5306-13	PL093439.D	19 Dec 2024 16:27	AR\AJ	Ok,M
13	P5306-15	PL093440.D	19 Dec 2024 16:40	AR\AJ	Ok,M
14	I.BLK	PL093441.D	19 Dec 2024 16:54	AR\AJ	Ok
15	PSTDCCC050	PL093442.D	19 Dec 2024 17:07	AR\AJ	Ok
16	PCHLORCCC500	PL093443.D	19 Dec 2024 17:21	AR\AJ	Ok,M
17	PTOXCCC500	PL093444.D	19 Dec 2024 17:34	AR\AJ	Ok
18	PB165747BL	PL093445.D	19 Dec 2024 17:48	AR\AJ	Ok
19	PB165747BS	PL093446.D	19 Dec 2024 18:01	AR\AJ	Not Ok
20	P5330-01	PL093447.D	19 Dec 2024 18:15	AR\AJ	Ok,M
21	P5339-01	PL093448.D	19 Dec 2024 18:28	AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121924

Review By	Abdul	Review On	12/20/2024 9:20:52 AM		
Supervise By	Ankita	Supervise On	12/20/2024 10:44:33 AM		
SubDirectory	PL121924	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	P5342-01	PL093449.D	19 Dec 2024 18:42	AR\AJ	Ok,M
23	P5342-05	PL093450.D	19 Dec 2024 18:55	AR\AJ	Ok,M
24	P5343-01	PL093451.D	19 Dec 2024 19:08	AR\AJ	Ok,M
25	P5343-03	PL093452.D	19 Dec 2024 19:22	AR\AJ	Ok,M
26	P5343-03MS	PL093453.D	19 Dec 2024 19:36	AR\AJ	Ok,M
27	P5343-03MSD	PL093454.D	19 Dec 2024 19:49	AR\AJ	Ok,M
28	I.BLK	PL093455.D	19 Dec 2024 20:03	AR\AJ	Ok
29	PEM	PL093456.D	19 Dec 2024 20:16	AR\AJ	Ok,M
30	PSTDCCC050	PL093457.D	19 Dec 2024 20:30	AR\AJ	Ok,M
31	P5342-03	PL093458.D	19 Dec 2024 21:10	AR\AJ	Not Ok
32	I.BLK	PL093459.D	19 Dec 2024 21:51	AR\AJ	Ok
33	PSTDCCC050	PL093460.D	19 Dec 2024 22:04	AR\AJ	Not Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112524

Review By	yogesh	Review On	11/26/2024 8:18:30 AM		
Supervise By	Ankita	Supervise On	11/26/2024 4:22:56 PM		
SubDirectory	PL112524	HP Acquire Method		HP Processing Method	PL112524

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093229.D	25 Nov 2024 10:39		AR\AJ	Ok
2	I.BLK	I.BLK	PL093230.D	25 Nov 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL093231.D	25 Nov 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093232.D	25 Nov 2024 11:18		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093233.D	25 Nov 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093234.D	25 Nov 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093235.D	25 Nov 2024 11:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093236.D	25 Nov 2024 12:11		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093237.D	25 Nov 2024 12:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL093238.D	25 Nov 2024 12:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093239.D	25 Nov 2024 12:51		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093240.D	25 Nov 2024 13:04		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093241.D	25 Nov 2024 13:18		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093242.D	25 Nov 2024 13:31		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL093243.D	25 Nov 2024 13:44		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093244.D	25 Nov 2024 13:57		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093245.D	25 Nov 2024 14:11		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093246.D	25 Nov 2024 14:24		AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL112524

Review By	yogesh	Review On	11/26/2024 8:18:30 AM		
Supervise By	Ankita	Supervise On	11/26/2024 4:22:56 PM		
SubDirectory	PL112524	HP Acquire Method		HP Processing Method	PL112524

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093247.D	25 Nov 2024 14:37		AR\AJ	Ok,M
20	PSTDICV050	ICVPL112524	PL093248.D	25 Nov 2024 14:50		AR\AJ	Ok
21	PCHLORICV500	ICVPL112524CHLOR	PL093249.D	25 Nov 2024 15:03		AR\AJ	Ok,M
22	PTOXICV500	ICVPL112524TOX	PL093250.D	25 Nov 2024 15:16		AR\AJ	Ok
23	I.BLK	I.BLK	PL093251.D	25 Nov 2024 15:30		AR\AJ	Ok
24	PEM	PEM	PL093252.D	25 Nov 2024 15:43		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL093253.D	25 Nov 2024 15:56		AR\AJ	Ok
26	PB165184BS	PB165184BS	PL093254.D	25 Nov 2024 16:22		AR\AJ	Ok,M
27	PB165202BL	PB165202BL	PL093255.D	25 Nov 2024 16:37		AR\AJ	Ok
28	PB165202BS	PB165202BS	PL093256.D	25 Nov 2024 16:50	Recovery high for methoxychlor	AR\AJ	Ok,M
29	PB165202BSD	PB165202BSD	PL093257.D	25 Nov 2024 17:03	Recovery high for methoxychlor	AR\AJ	Ok,M
30	P4947-01	A3988	PL093258.D	25 Nov 2024 17:16		AR\AJ	Ok
31	I.BLK	I.BLK	PL093259.D	25 Nov 2024 17:29		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL093260.D	25 Nov 2024 17:42		AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121824

Review By	Abdul	Review On	12/19/2024 9:44:00 AM		
Supervise By	Ankita	Supervise On	12/19/2024 10:29:06 AM		
SubDirectory	PL121824	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093406.D	18 Dec 2024 10:22		AR\AJ	Ok
2	I.BLK	I.BLK	PL093407.D	18 Dec 2024 10:35		AR\AJ	Ok
3	PEM	PEM	PL093408.D	18 Dec 2024 10:48		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093409.D	18 Dec 2024 11:02		AR\AJ	Ok,M
5	PP24080	PP24080	PL093410.D	18 Dec 2024 11:37		AR\AJ	Ok,M
6	PP24081	PP24081	PL093411.D	18 Dec 2024 12:28		AR\AJ	Ok,M
7	PP24088	PP24088	PL093412.D	18 Dec 2024 13:03		AR\AJ	Ok,M
8	PP24091	PP24091	PL093413.D	18 Dec 2024 13:17		AR\AJ	Ok
9	I.BLK	I.BLK	PL093414.D	18 Dec 2024 14:10		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PL093415.D	18 Dec 2024 14:24		AR\AJ	Ok,M
11	PB165704BL	PB165704BL	PL093416.D	18 Dec 2024 15:49		AR\AJ	Ok
12	PB165704BS	PB165704BS	PL093417.D	18 Dec 2024 16:03		AR\AJ	Ok
13	P5312-01	SOIL-VNJ-222	PL093418.D	18 Dec 2024 16:18		AR\AJ	Ok,M
14	P5312-03	CONCRETE-VNJ-222	PL093419.D	18 Dec 2024 16:32		AR\AJ	Ok,M
15	P5316-01	TT-304-IDWSO-202412	PL093420.D	18 Dec 2024 16:45		AR\AJ	Ok,M
16	P5306-01	OU4-VSL-07-121224	PL093421.D	18 Dec 2024 16:58		AR\AJ	Ok,M
17	P5306-01MS	OU4-VSL-07-121224MS	PL093422.D	18 Dec 2024 17:11		AR\AJ	Ok,M
18	P5306-01MSD	OU4-VSL-07-121224MS	PL093423.D	18 Dec 2024 17:24		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121824

Review By	Abdul	Review On	12/19/2024 9:44:00 AM		
Supervise By	Ankita	Supervise On	12/19/2024 10:29:06 AM		
SubDirectory	PL121824	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	P5306-03	OU4-VSL-08-121224	PL093424.D	18 Dec 2024 17:38		AR\AJ	Ok,M
20	P5306-05	OU4-VSL-09-121224	PL093425.D	18 Dec 2024 17:51		AR\AJ	Ok,M
21	I.BLK	I.BLK	PL093426.D	18 Dec 2024 18:04		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL093427.D	18 Dec 2024 18:18		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121924

Review By	Abdul	Review On	12/20/2024 9:20:52 AM		
Supervise By	Ankita	Supervise On	12/20/2024 10:44:33 AM		
SubDirectory	PL121924	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PL093428.D	19 Dec 2024 12:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL093429.D	19 Dec 2024 12:26		AR\AJ	Ok
3	PEM	PEM	PL093430.D	19 Dec 2024 12:39		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093431.D	19 Dec 2024 12:52		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PL093432.D	19 Dec 2024 13:55		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL093433.D	19 Dec 2024 14:14		AR\AJ	Ok,M
7	PB165704BS	PB165704BS	PL093434.D	19 Dec 2024 14:55		AR\AJ	Ok,M
8	PB165704BS	PB165704BS	PL093435.D	19 Dec 2024 15:27		AR\AJ	Ok,M
9	P5306-07	OU4-VSL-10-121224	PL093436.D	19 Dec 2024 15:47		AR\AJ	Ok,M
10	P5306-09	OU4-VSL-11-121224	PL093437.D	19 Dec 2024 16:00		AR\AJ	Ok,M
11	P5306-11	OU4-VSL-12-121224	PL093438.D	19 Dec 2024 16:14		AR\AJ	Ok
12	P5306-13	OU4-VSL-13-121224	PL093439.D	19 Dec 2024 16:27		AR\AJ	Ok,M
13	P5306-15	OU4-VSL-14-121224	PL093440.D	19 Dec 2024 16:40		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL093441.D	19 Dec 2024 16:54		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL093442.D	19 Dec 2024 17:07		AR\AJ	Ok
16	PCHLORCCC500	PCHLORCCC500	PL093443.D	19 Dec 2024 17:21		AR\AJ	Ok,M
17	PTOXCCC500	PTOXCCC500	PL093444.D	19 Dec 2024 17:34		AR\AJ	Ok
18	PB165747BL	PB165747BL	PL093445.D	19 Dec 2024 17:48		AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL121924

Review By	Abdul	Review On	12/20/2024 9:20:52 AM		
Supervise By	Ankita	Supervise On	12/20/2024 10:44:33 AM		
SubDirectory	PL121924	HP Acquire Method		HP Processing Method	pl112524 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
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	PB165747BS	PB165747BS	PL093446.D	19 Dec 2024 18:01	Comp#6 recovery fail	AR\AJ	Not Ok
20	P5330-01	TP-5	PL093447.D	19 Dec 2024 18:15		AR\AJ	Ok,M
21	P5339-01	TR-06-12182024	PL093448.D	19 Dec 2024 18:28		AR\AJ	Ok,M
22	P5342-01	CHRT26634	PL093449.D	19 Dec 2024 18:42		AR\AJ	Ok,M
23	P5342-05	RB21198	PL093450.D	19 Dec 2024 18:55		AR\AJ	Ok,M
24	P5343-01	VNJ210	PL093451.D	19 Dec 2024 19:08		AR\AJ	Ok,M
25	P5343-03	VNJ281	PL093452.D	19 Dec 2024 19:22		AR\AJ	Ok,M
26	P5343-03MS	VNJ281MS	PL093453.D	19 Dec 2024 19:36	Comp#12,17 recovery fail	AR\AJ	Ok,M
27	P5343-03MSD	VNJ281MSD	PL093454.D	19 Dec 2024 19:49	Comp#12,17 recovery fail	AR\AJ	Ok,M
28	I.BLK	I.BLK	PL093455.D	19 Dec 2024 20:03		AR\AJ	Ok
29	PEM	PEM	PL093456.D	19 Dec 2024 20:16		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PL093457.D	19 Dec 2024 20:30		AR\AJ	Ok,M
31	P5342-03	HT2651	PL093458.D	19 Dec 2024 21:10	end ccc fail , f flag in TCMX , DCB high in 1st column and TCMX high in 2nd column	AR\AJ	Not Ok
32	I.BLK	I.BLK	PL093459.D	19 Dec 2024 21:51		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PL093460.D	19 Dec 2024 22:04	CCC fail	AR\AJ	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133976

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
P5245-03	72-12016	1	1.15	8.37	9.52	8.99	93.7	
P5299-01	SB-01	2	1.15	8.40	9.55	7.74	78.5	
P5299-02	SB-02	3	1.16	8.70	9.86	7.73	75.5	
P5299-03	SB-01	33	1.13	8.61	9.74	7.05	68.8	
P5299-04	SB-02	4	1.15	8.75	9.9	8.08	79.2	
P5306-01	OU4-VSL-07-121224	5	1.16	8.52	9.68	8.9	90.8	
P5306-03	OU4-VSL-08-121224	6	1.17	8.73	9.9	9.1	90.8	
P5306-05	OU4-VSL-09-121224	7	1.19	8.45	9.64	8.8	90.1	
P5306-07	OU4-VSL-10-121224	8	1.15	8.65	9.8	9.37	95.0	
P5306-09	OU4-VSL-11-121224	9	1.11	8.77	9.88	9.32	93.6	
P5306-11	OU4-VSL-12-121224	10	1.12	8.65	9.77	8.97	90.8	
P5306-13	OU4-VSL-13-121224	11	1.13	8.72	9.85	8.98	90.0	
P5306-15	OU4-VSL-14-121224	12	1.18	8.46	9.64	9.29	95.9	
P5306-17	OU4-VSL-06R-121224	13	1.15	8.80	9.95	9.22	91.7	
P5307-01	1A-1B-1C-ROOF-2	14	1.00	1.00	2.00	2.00	100.0	caluk
P5307-02	2A-2B-2C-ROOF-2	15	1.00	1.00	2.00	2.00	100.0	caluk
P5307-03	3A-3B-3C-1907	16	1.00	1.00	2.00	2.00	100.0	caluk
P5307-04	4A-4B-4C-1907	17	1.00	1.00	2.00	2.00	100.0	caluk
P5307-05	5A-5B-5C-1907	18	1.00	1.00	2.00	2.00	100.0	caluk
P5307-06	6A-6B-6C-1952	19	1.00	1.00	2.00	2.00	100.0	caluk
P5307-07	1907-BLDG-GRAY	20	1.00	1.00	2.00	2.00	100.0	caluk
P5307-08	1952-BLDG	21	1.00	1.00	2.00	2.00	100.0	caluk
P5307-09	9A-9B-9C-1907	22	1.00	1.00	2.00	2.00	100.0	caluk
P5307-10	1907-BLDG-OFF-WHITE	23	1.00	1.00	2.00	2.00	100.0	caluk
P5307-11	11A-11B-11C-1952-BLDG	24	1.00	1.00	2.00	2.00	100.0	caluk
P5307-12	12A-12B-12C-1952	25	1.00	1.00	2.00	2.00	100.0	caluk
P5307-13	13A-13B-13C-1952	26	1.00	1.00	2.00	2.00	100.0	caluk
P5307-14	14A-14B-14C-1907	27	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:12
Out Date: 12/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133976

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
P5307-15	15A-15B-15C-ROOF-7	28	1.00	1.00	2.00	2.00	100.0	caluk
P5312-01	SOIL-VNJ-222	29	1.15	8.43	9.58	8.55	87.8	
P5312-02	SOIL-VNJ-222	30	1.12	8.66	9.78	9.35	95.0	
P5312-03	CONCRETE-VNJ-222	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P5312-04	CONCRETE-VNJ-222	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165704

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	12/18/2024
Matrix :	Solid			**Extraction Start Time :**	08:10
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	12/18/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:35
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: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23928
Surrogate	1.0ML	200 PPB	PP23985
Spike Sol 2	2.0ML	~~N/A~~ 1000 PPB	PP24080
Spike Sol 3	2.0ML	N/A 1000 PPB	PP24081
N/A	N/A	N/A	N/A

RJ 12/18

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2561
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Hexane	N/A	E3847
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P 5316-01 Added in batch at 11:35.

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
12/18/24	RP (Ext Lab)	Pest/PCB Lab
14:40	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165704

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 12/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165704BL	PBLK704	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U7-1
PB165704BS	PLCS704	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
P5306-01	OU4-VSL-07-121224	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
P5306-01MS	OU4-VSL-07-121224MS	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
P5306-01MSD	OU4-VSL-07-121224MSD	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		5
P5306-03	OU4-VSL-08-121224	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
P5306-05	OU4-VSL-09-121224	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		U6-1
P5306-07	OU4-VSL-10-121224	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		2
P5306-09	OU4-VSL-11-121224	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
P5306-11	OU4-VSL-12-121224	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
P5306-13	OU4-VSL-13-121224	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
P5306-15	OU4-VSL-14-121224	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
P5312-01	SOIL-VNJ-222	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		U5-1
P5312-03	CONCRETE-VNJ-222	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E	Concrete	2
P5316-01	TT-304-IDWSO-20241217-1	PESTICIDE Group1	30.05	N/A	ritesh	Evelyn	10	E		3
	CHLORDANE	1	30.02	1	1	1	1			4
	TOXAPHENE		30.01							5

* **Extracts relinquished on the same date as received.**

12/18/24

(657764 8:10)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5306 **WorkList ID :** 186420 **Department :** Extraction **Date :** 12-18-2024 08:07:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5306-01	OU4-VSL-07-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-03	OU4-VSL-08-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-05	OU4-VSL-09-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-07	OU4-VSL-10-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-09	OU4-VSL-11-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-11	OU4-VSL-12-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-13	OU4-VSL-13-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5306-15	OU4-VSL-14-121224	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	L61	12/12/2024	8081B
P5312-01	SOIL-VNJ-222	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L61	12/17/2024	8081B
P5312-03	CONCRETE-VNJ-222	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L61	12/17/2024	8081B

Date/Time 12/18/24 8:08
Raw Sample Received by: RJ (Ens Tech)
Raw Sample Relinquished by: JD (CSM)

Date/Time 12/18/24 8:35
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RJ (Ens Tech)

11:35 AM 12/18/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316 **WorkList ID :** 186434 **Department :** Extraction **Date :** 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETR06	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RJ (Ref Lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ref Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : P5306

Test : Pesticide-TCL

Prepbatch ID : PB165704,

Sequence ID/Qc Batch ID: pl121824,pl121924,

Standard ID :
EP2561,EP2573,PP23517,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23928,PP23985,PP24080,PP24081,

Chemical ID :
E2865,E3551,E3770,E3792,E3805,E3806,E3818,E3826,E3827,E3843,E3847,P 11146,P11896,P12600,P13036,P13039,P13244,P13349,P13350,P13352,P13359,P13402,P13404,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2561	11/14/2024	05/08/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/14/2024

FROM 8000.00000ml of E3826 + 8000.00000ml of E3827 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2573	12/16/2024	06/16/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 12/16/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP23517	07/12/2024	01/12/2025	Abdul Mirza	None	None	Ankita Jodhani 07/16/2024

FROM 1.00000ml of E3770 + 99.00000ml of P13244 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP23928	10/30/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/30/2024

FROM 95.00000ml of E3818 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP23985	11/15/2024	05/08/2025	Ankita Jodhani	None	None	Yogesh Patel 11/18/2024

FROM 1.00000ml of P13352 + 999.00000ml of E3827 = Final Quantity: 1000.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

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	12/31/2024	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	05/09/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3770

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

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

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)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

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	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

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)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

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

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	01/12/2025	07/12/2024 / Abdul	02/09/2024 / Abdul	P13244

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

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

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	05/15/2025	11/15/2024 / Ankita	04/22/2024 / Abdul	P13352

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P12596 (7) → P12602

7/3/2023

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

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.)

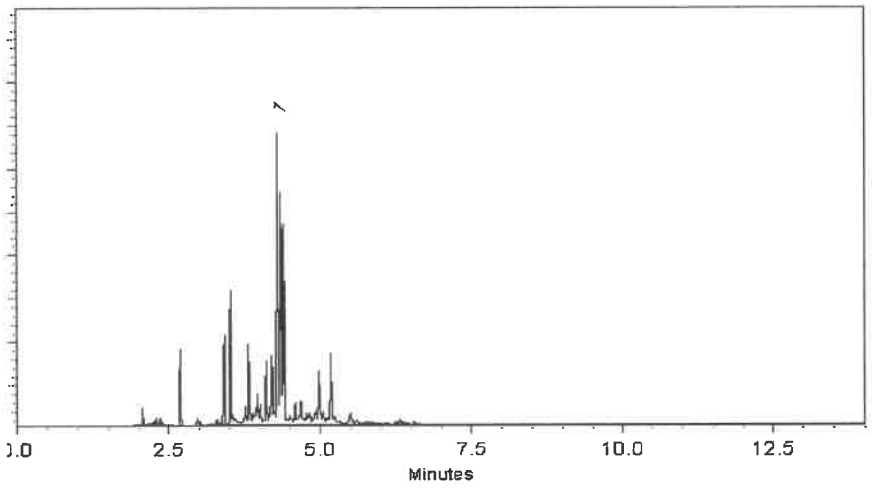
Inj. Temp:
250°C

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

avantor™ | J.T.Baker®

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	<= 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

James T Ethier
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 QUIMICOS 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_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_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 foreing 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.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_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 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

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_2SO_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

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Agela Technologies
Made in China
E3806

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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 10/9/24

E 3818

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_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

E3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

E3827

Recd by RP on ~~11/6~~ 11/7/24
RP 11/7

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24
E3847

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11892 (5)
↓
P 11896

06/17/2022

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

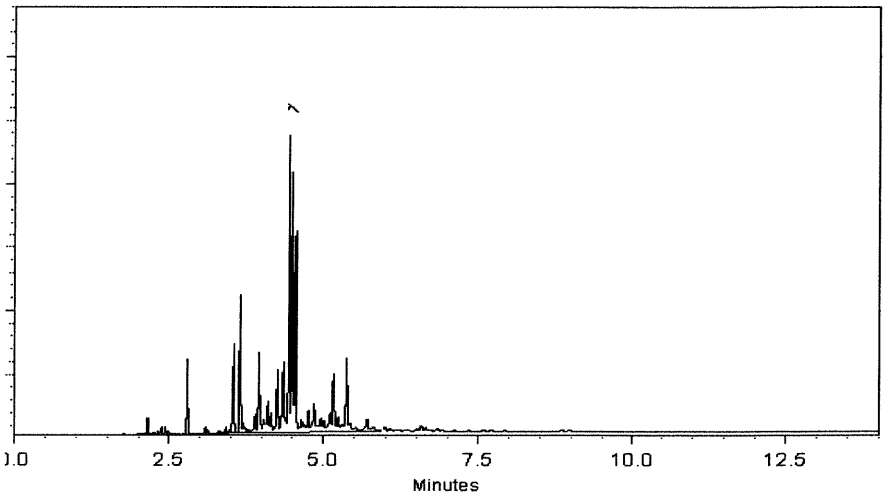
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11892 | (5)
↓
P 11896

1

06/17/2022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P130397 5
↓
P130431

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

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
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.)

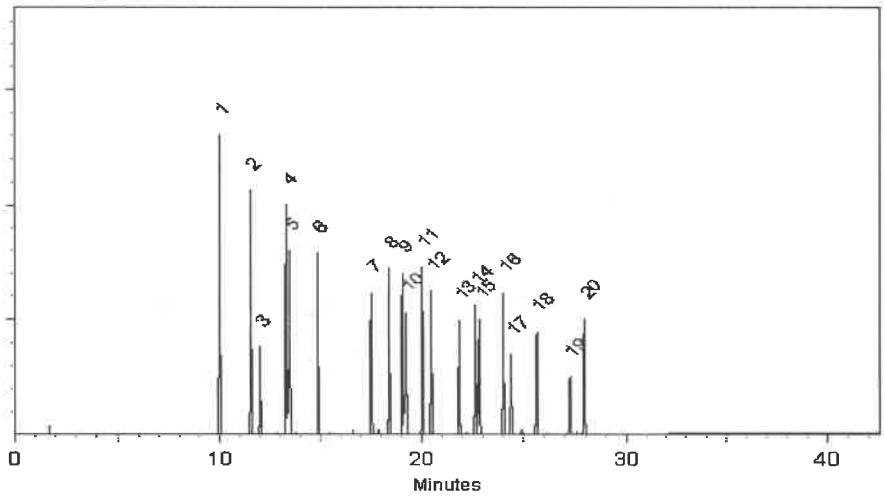
Inj. Temp:
200°C

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 - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

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): **Lot#**
Acetone 81025

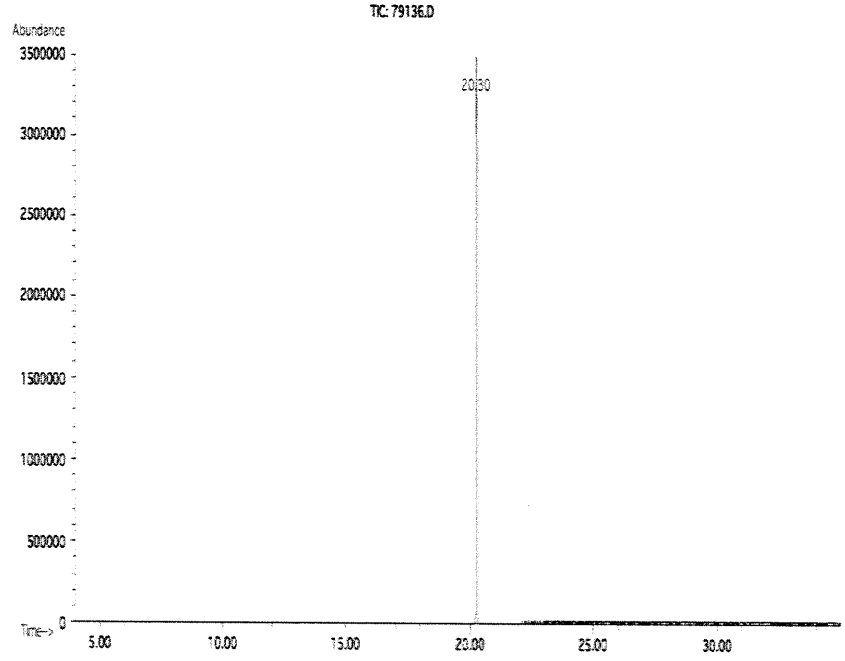
Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

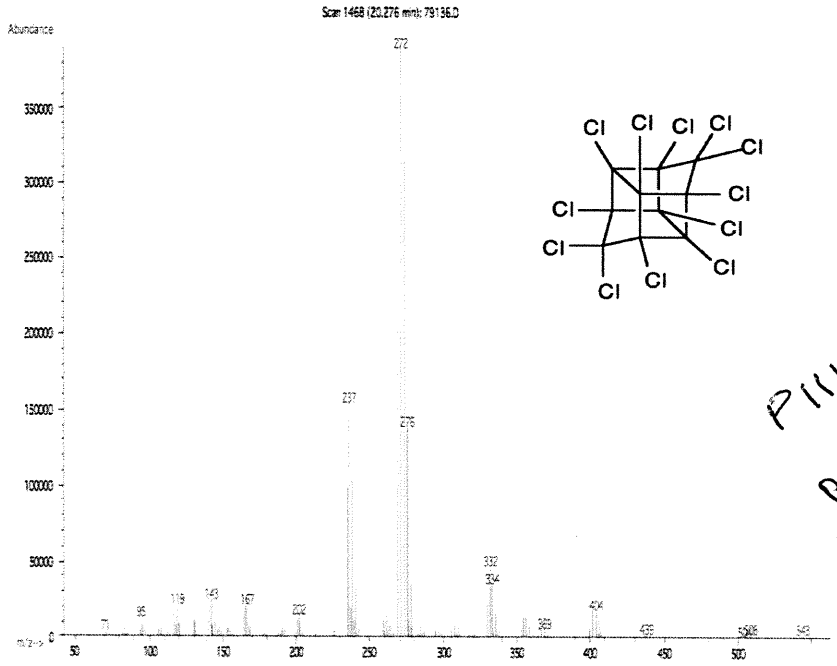
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Eli Aliaga	102821	
Formulated By:	Eli Aliaga	DATE
Pedro Rentas	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	orl-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.





P1142 To P1146
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 certifed (+/-) 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).**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P 13034 ↓ P 13038 5

12.26.2023

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

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 (5) 1 12/26/2023

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.)

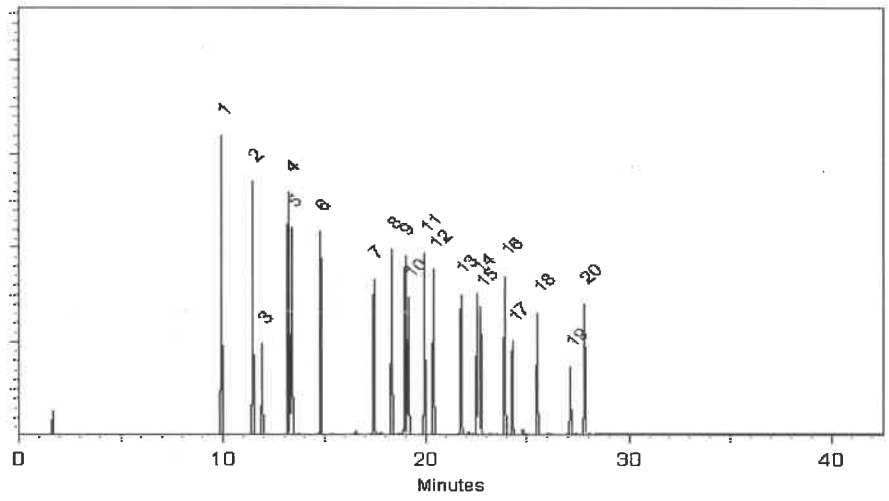
Inj. Temp:
200°C

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.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By:	Lawrence Barry	013124	DATE
Reviewed By:	Pedro L. Rentas	013124	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)	orl-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)	orl-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	orl-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)	orl-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	orl-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	orl-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

P13243 & P13247 (5)

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P13348 (10)
↓
P13357

04/25/2024

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

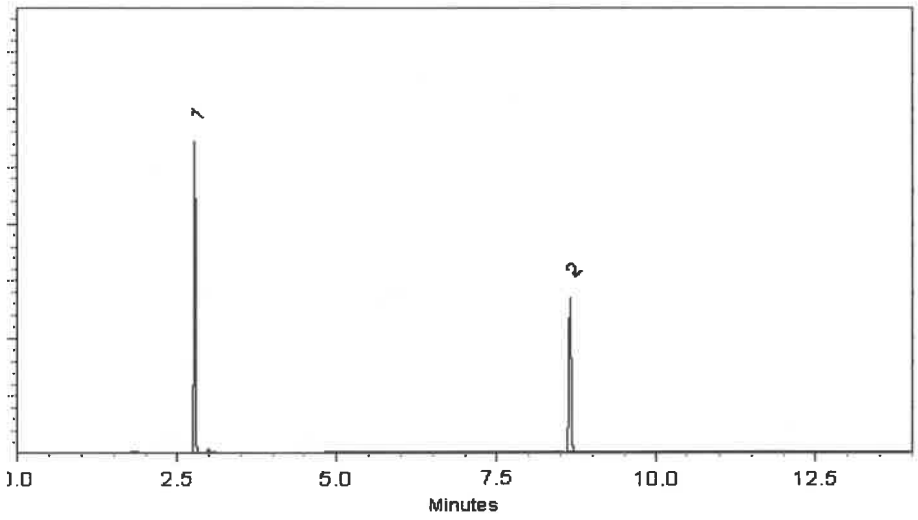
Inj. Temp:
250°C

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

P13348 (10)
↓
P13357
1
04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P13348 (10) → P13357

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

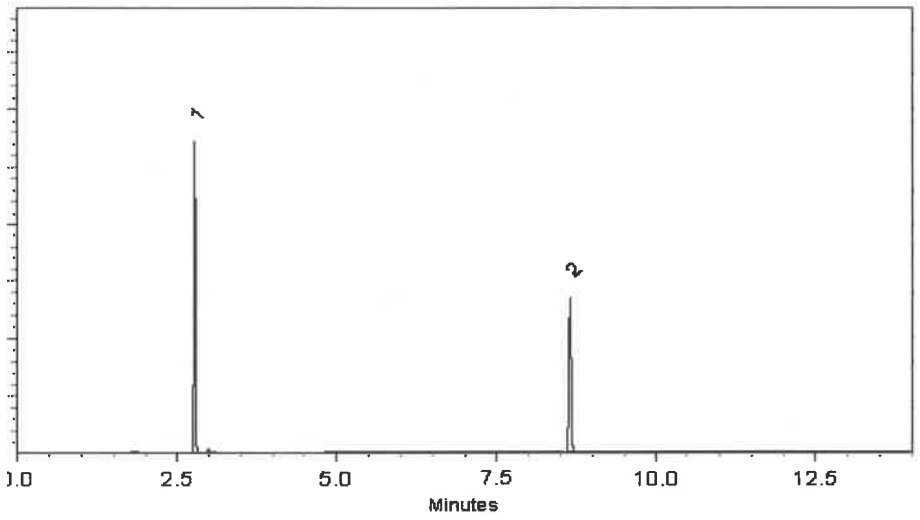
Inj. Temp:
250°C

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

P13348 (10)
↓
P13357
1
04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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.

P13348 (10)
↓
P13357

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

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:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

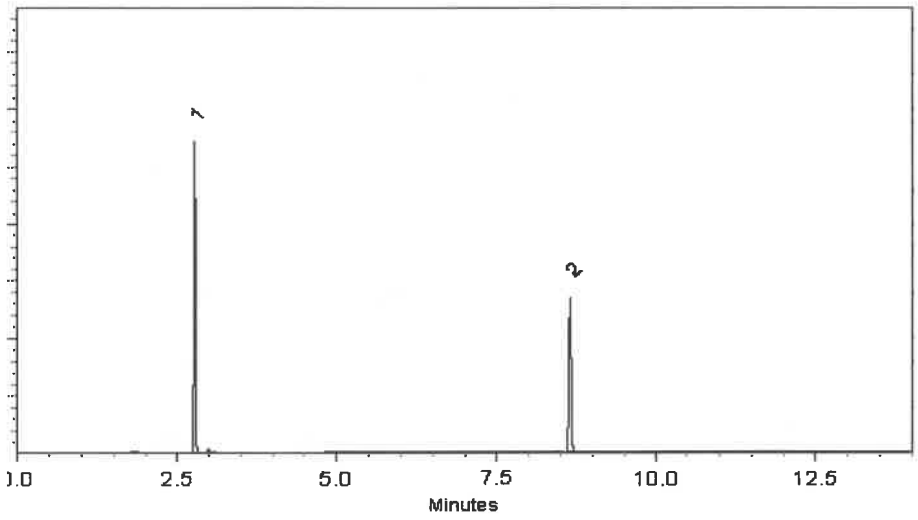
Inj. Temp:
250°C

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

P13348 (10)
↓
P13357
SALF
04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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%

P13358 (12)
↓
P13369

05-06-2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

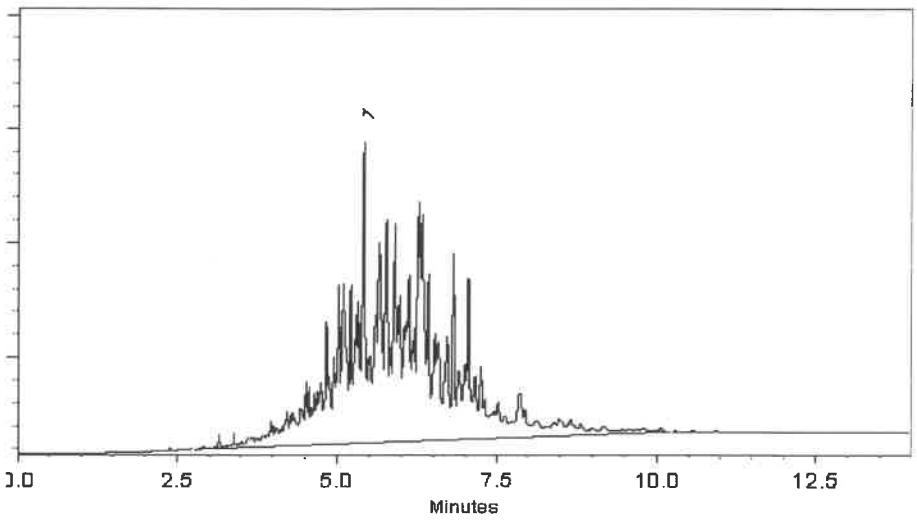
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13358 (12)

P13369

05-06-2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

P13402 & P13406 (5)

5/22/2021

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%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

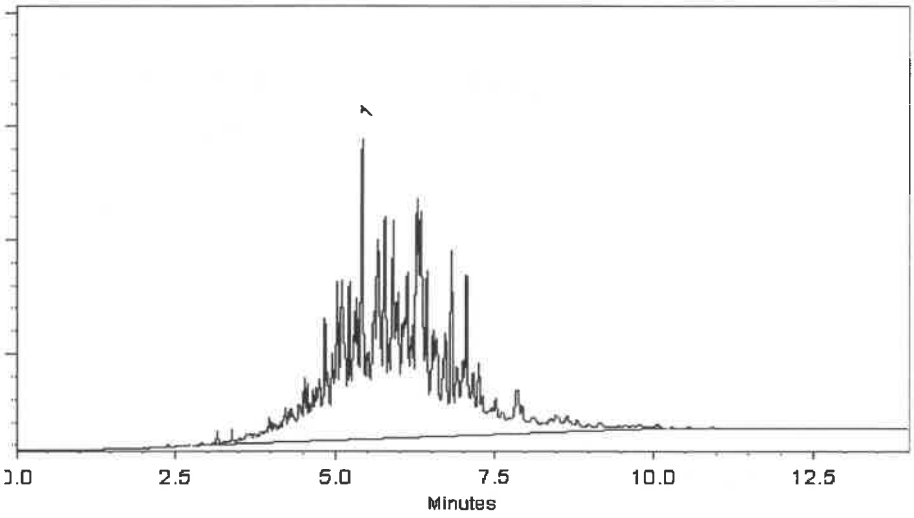
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402 ↓ P13406 5

5/22/2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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.

P13402 & P13406 (5)

5/22/2021

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%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

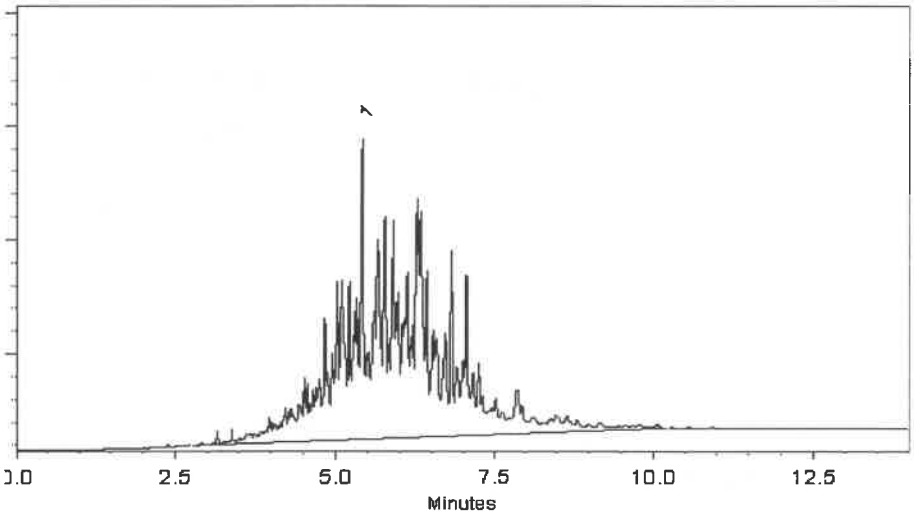
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402 ↓ P13406 (5)

5/22/2024

SHIPPING DOCUMENTS

P5306

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Drive 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:	P. Moran

Requested Turnaround Time
5-Day ☐ 10-Day ☒
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: Equis EDD
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☒
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	Total and SPLP Vanadium
	004-VSL-07-121224	12/12/24	1000	Grab	S	U	3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-08-121224		1010				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-09-121224		1020				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-10-121224		1030				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-11-121224		1040				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-12-121224		1050				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-13-121224		1100				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-14-121224		1110				3	2	1				X	X	X	X	X	X	X	X	X	
	004-VSL-06R-121224	↓	1115	↓	↓	↓	0	2	0													X

[2] Preservation Code

Contest Use Only
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) DI Water

Relinquished by: (signature)	Date/Time: 12/13/24 1130	Client Comments: DI water preserved samples frozen on 12/12/24
Received by: (signature)	Date/Time: 12-17-24 9:50	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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

NELAC and AIHA-LAP,LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

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.

FR Grab #1 2.4°

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5306 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 12/17/2024 10:24:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 12/17/2024 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5306-01	OU4-VSL-07-121224	Solid	12/12/2024	10:00					
					VOCMS Group3		8260D		10 Bus. Days
P5306-03	OU4-VSL-08-121224	Solid	12/12/2024	10:10					
					VOCMS Group3		8260D		10 Bus. Days
P5306-05	OU4-VSL-09-121224	Solid	12/12/2024	10:20					
					VOCMS Group3		8260D		10 Bus. Days
P5306-07	OU4-VSL-10-121224	Solid	12/12/2024	10:30					
					VOCMS Group3		8260D		10 Bus. Days
P5306-09	OU4-VSL-11-121224	Solid	12/12/2024	10:40					
					VOCMS Group3		8260D		10 Bus. Days
P5306-11	OU4-VSL-12-121224	Solid	12/12/2024	10:50					
					VOCMS Group3		8260D		10 Bus. Days
P5306-13	OU4-VSL-13-121224	Solid	12/12/2024	11:00					
					VOCMS Group3		8260D		10 Bus. Days
P5306-15	OU4-VSL-14-121224	Solid	12/12/2024	~~11:15~~ 11:10					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5306 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 12/17/2024 10:24:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 12/17/2024 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
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		

Relinguished By : [signature]
Date / Time : 12-17-24 1230

Received By : [signature]
Date / Time : 12.17.24 12:30

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:05
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: Nov 25 14:01:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	52384811	55942252	20.156	19.397	
28)	SA Decachlor...	9.054	7.912	34835122	55010092	20.037	19.258	
	Target Compounds							
2)	A alpha-BHC	3.991	3.276	36948067	39395649	10.354	9.227	
3)	MA gamma-BHC...	4.324	3.607	34434272	36380083	10.192	8.788	
4)	MA Heptachlor	0.000	3.965f	0	50464	N.D.	0.012	#
5)	MB Aldrin	0.000	4.241f	0	127807	N.D.	0.032	#
6)	B beta-BHC	4.522	3.906	16076799	17778091	10.649	9.994	
7)	B delta-BHC	0.000	4.136	0	219182	N.D.	0.051	#
9)	A Endosulfan I	0.000	5.098	0	135180	N.D.	0.040	#
10)	B gamma-Chl...	0.000	4.967	0	616392	N.D.	0.166	#
11)	B alpha-Chl...	0.000	5.057f	0	119624	N.D.	0.033	#
12)	B 4,4'-DDE	0.000	5.231	0	1467011	N.D.	0.410	#
13)	MA Dieldrin	0.000	5.358	0	1137	N.D.	0.000	#
14)	MA Endrin	6.572	5.637	95247100	147.2E6	45.410	46.145	
15)	B Endosulfa...	0.000	5.944	0	1975884	N.D.	0.624	#
16)	A 4,4'-DDD	6.707	5.785	1762313	2698915	0.962	0.963	
17)	MA 4,4'-DDT	7.022	6.036	172.8E6	297.0E6	89.613	100.268	
18)	B Endrin al...	6.921	6.111	2989353	5605406	1.655	2.138	#
20)	A Methoxychlor	7.497	6.610	221.9E6	343.2E6	212.343	224.787	
21)	B Endrin ke...	7.641	6.839	5713853	8149737	2.518	2.428	
22)	Mirex	0.000	7.006	0	1285814	N.D.	0.479	#
23)	Chlordane-1	0.000	3.773	0	24765	N.D.	0.213	#
24)	Chlordane-2	0.000	4.347	0	63344	N.D.	0.473	#
25)	Chlordane-3	0.000	4.967	0	616392	N.D.	1.534	#
26)	Chlordane-4	0.000	5.057	0	119624	N.D.	0.307	#
27)	Chlordane-5	0.000	5.944	0	1975884	N.D.	14.420	#

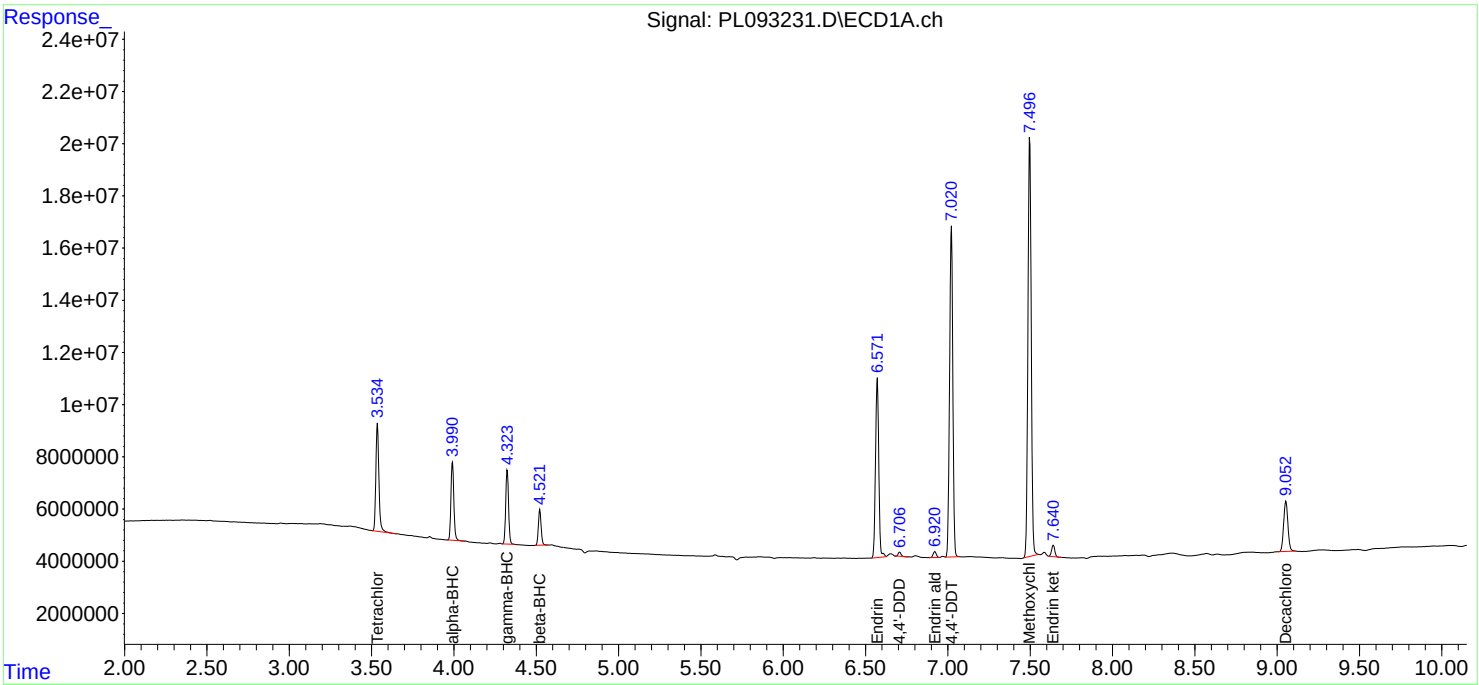
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

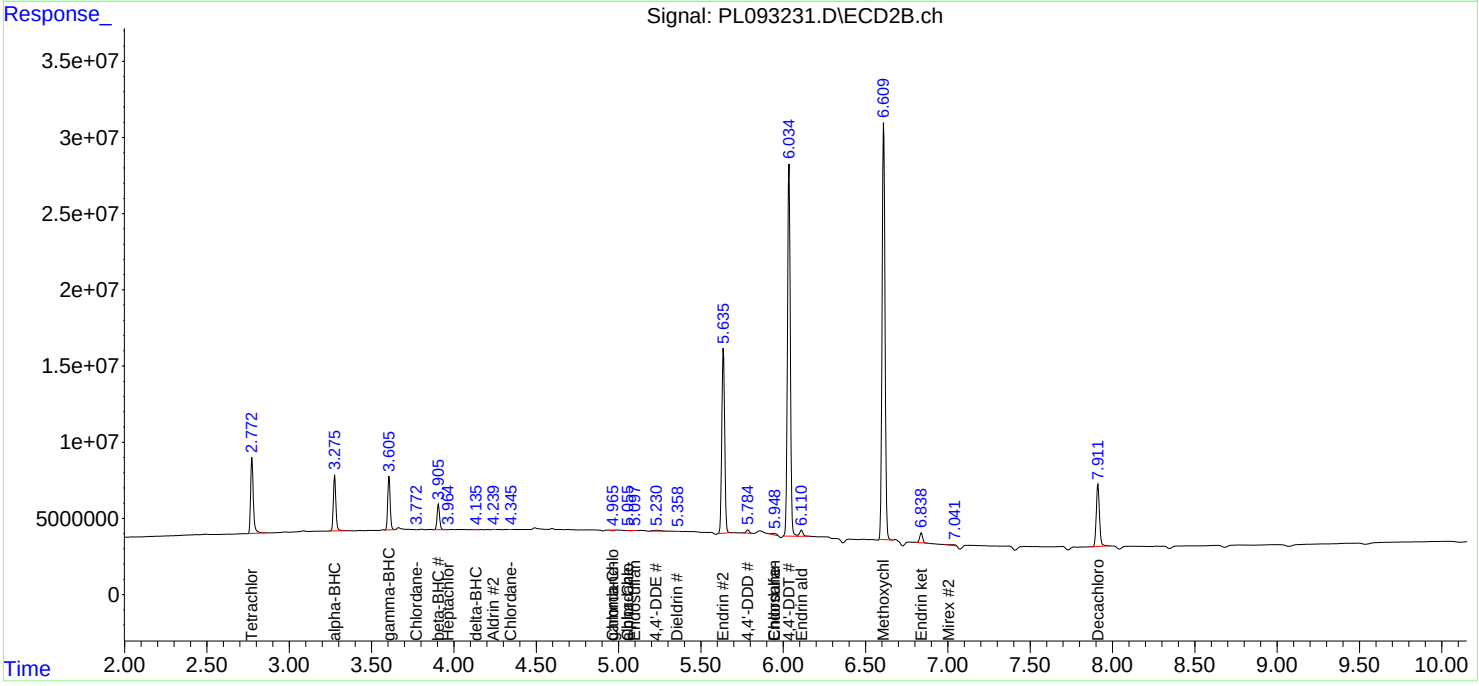
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 11:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

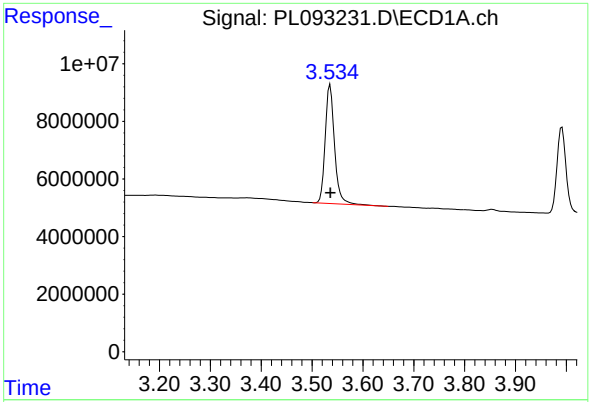
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 14:01:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:59:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



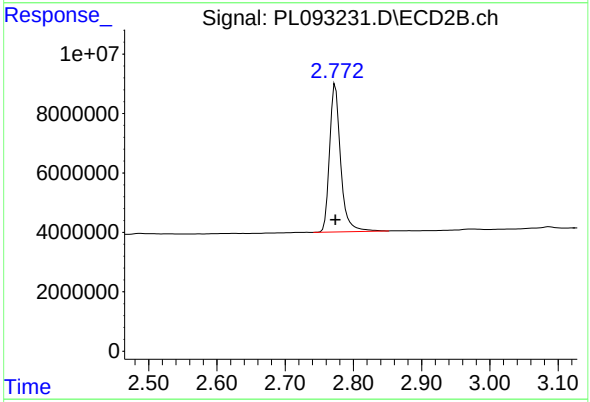




#1 Tetrachloro-m-xylene

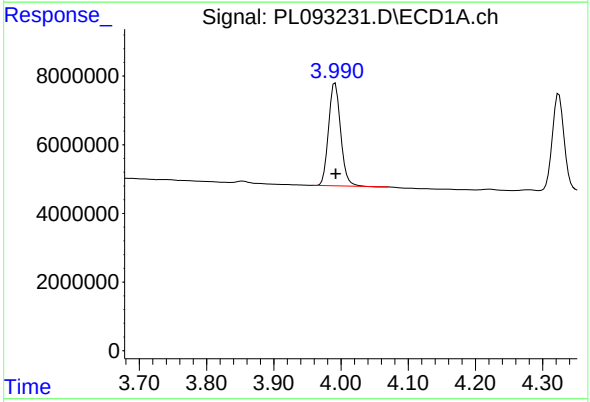
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 52384811
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



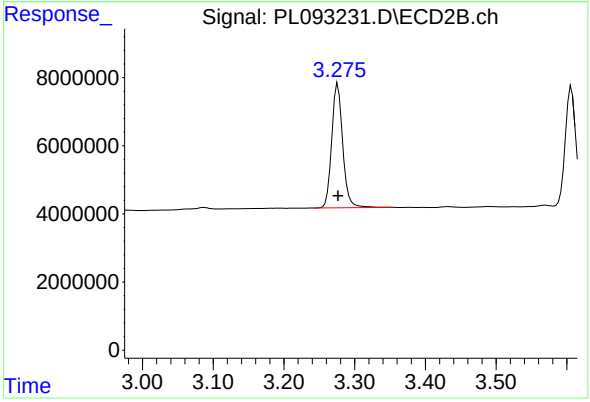
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 55942252
Conc: 19.40 ng/ml



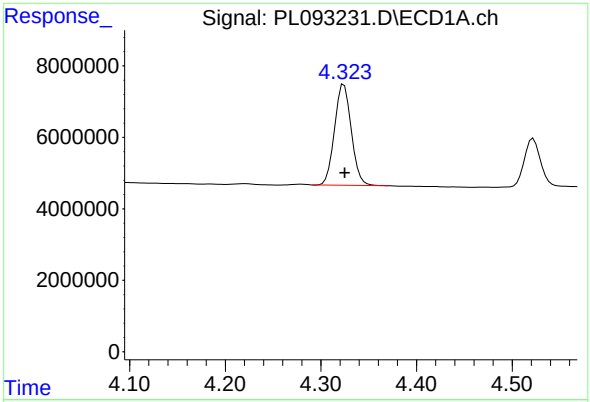
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: 0.000 min
Response: 36948067
Conc: 10.35 ng/ml



#2 alpha-BHC

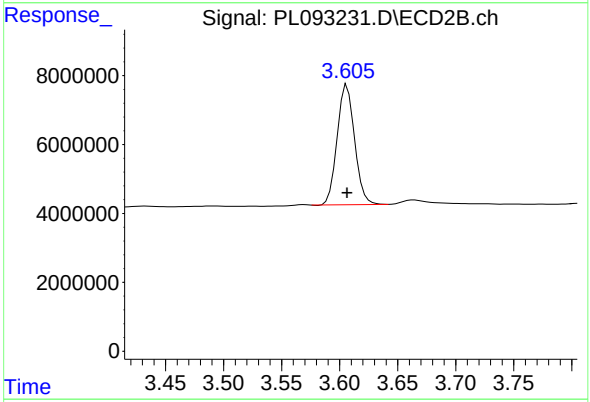
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 39395649
Conc: 9.23 ng/ml



#3 gamma-BHC (Lindane)

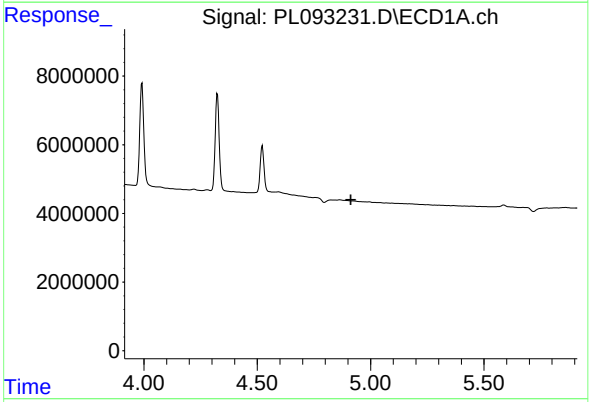
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 34434272
Conc: 10.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



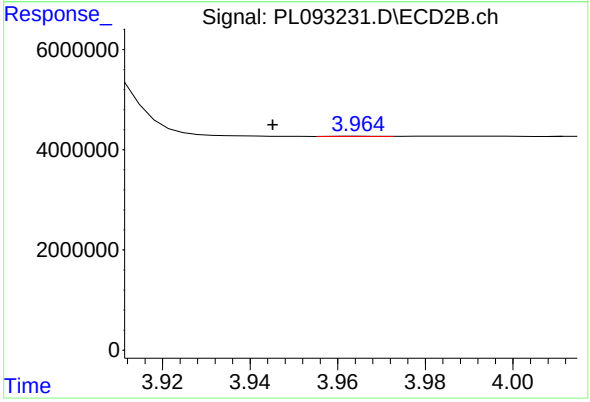
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 36380083
Conc: 8.79 ng/ml



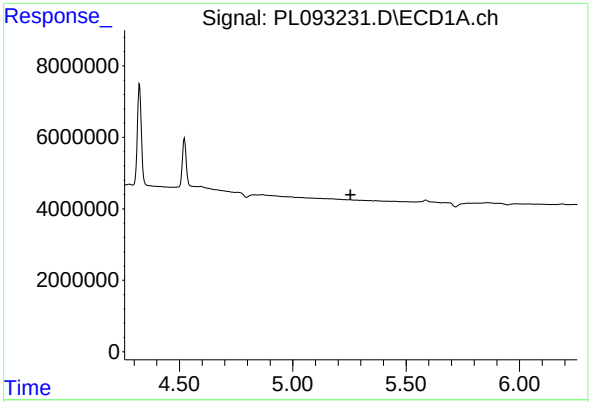
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.



#4 Heptachlor

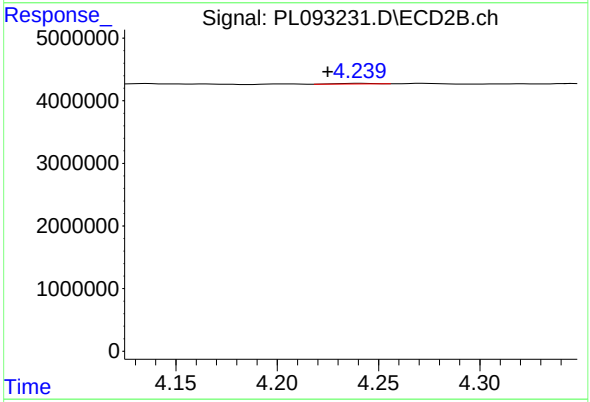
R.T.: 3.965 min
Delta R.T.: 0.020 min
Response: 50464
Conc: 0.01 ng/ml



#5 Aldrin

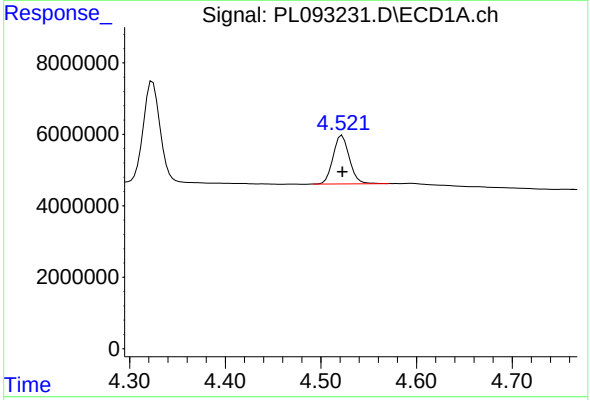
R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



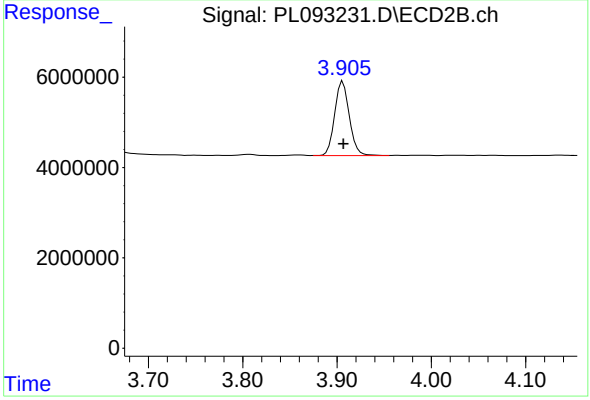
#5 Aldrin

R.T.: 4.241 min
Delta R.T.: 0.016 min
Response: 127807
Conc: 0.03 ng/ml



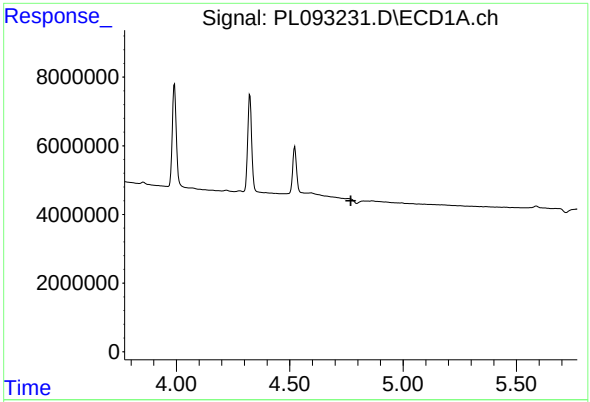
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 16076799
Conc: 10.65 ng/ml



#6 beta-BHC

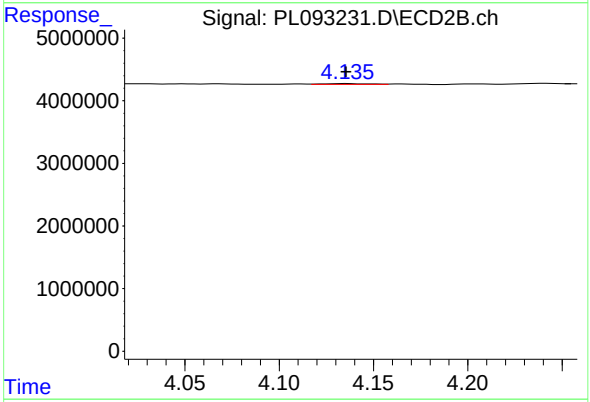
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 17778091
Conc: 9.99 ng/ml



#7 delta-BHC

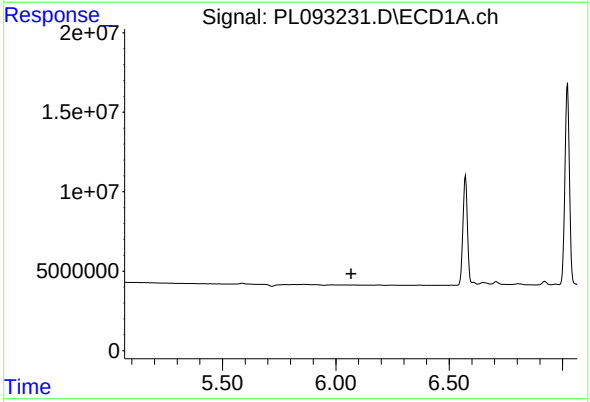
R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



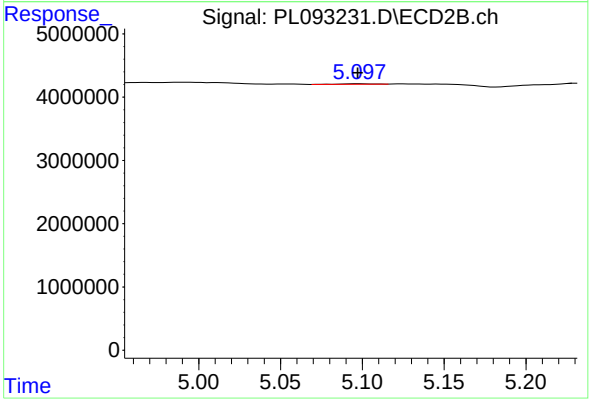
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 219182
Conc: 0.05 ng/ml



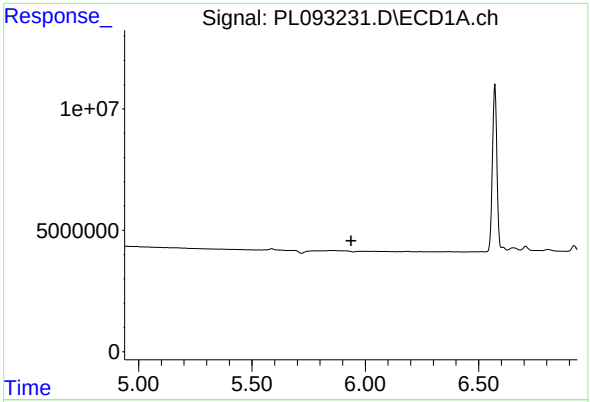
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

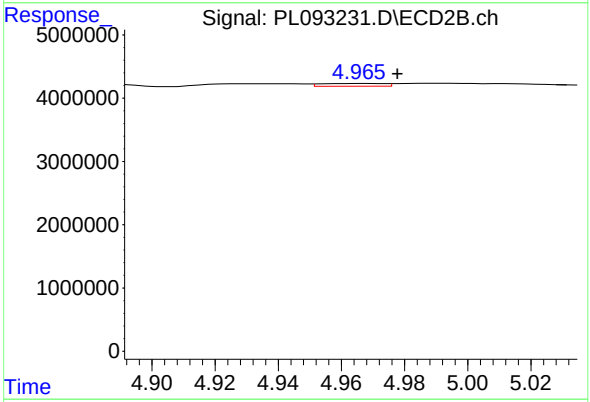
R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 135180
Conc: 0.04 ng/ml



#10 gamma-Chlordane

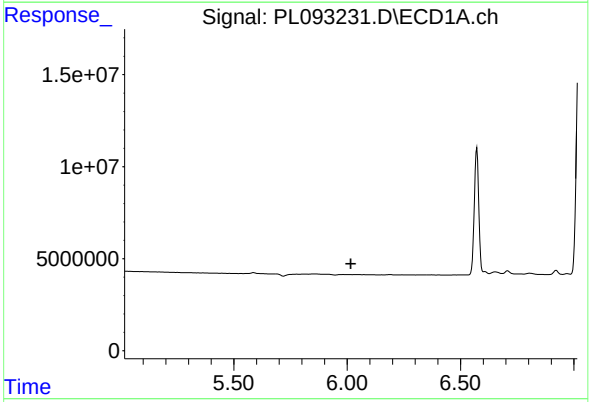
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



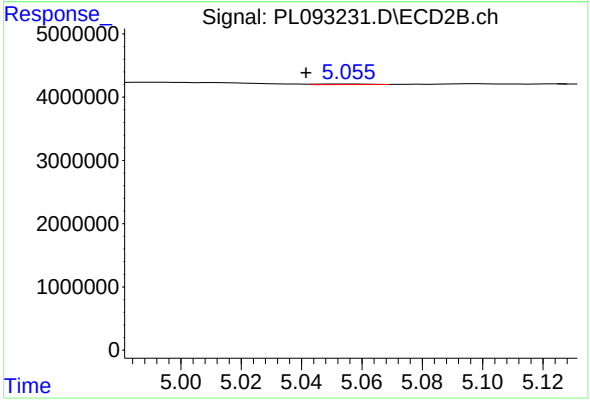
#10 gamma-Chlordane

R.T.: 4.967 min
Delta R.T.: -0.011 min
Response: 616392
Conc: 0.17 ng/ml



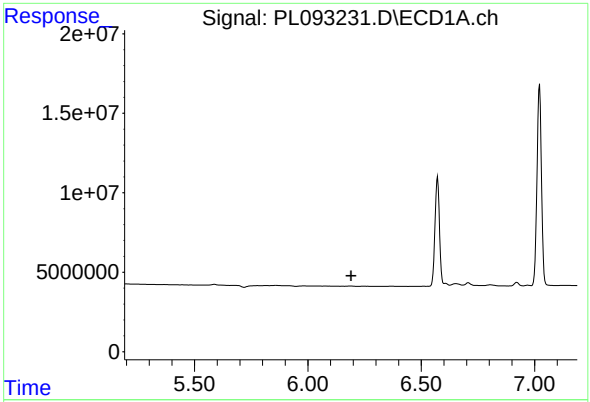
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

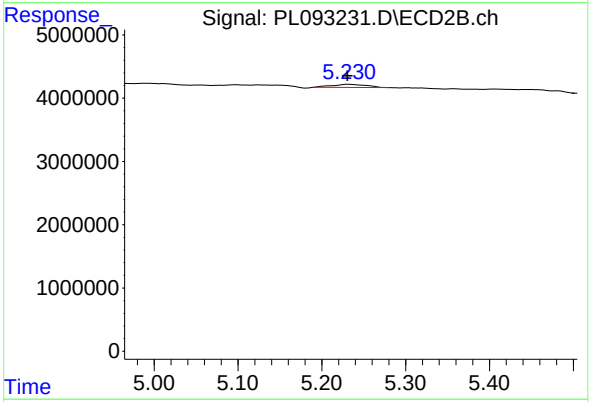
R.T.: 5.057 min
Delta R.T.: 0.016 min
Response: 119624
Conc: 0.03 ng/ml



#12 4,4'-DDE

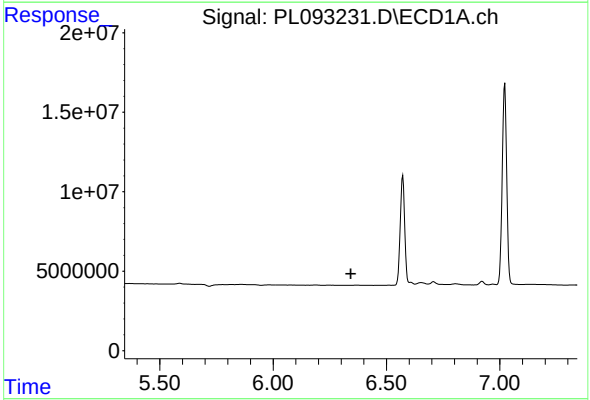
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



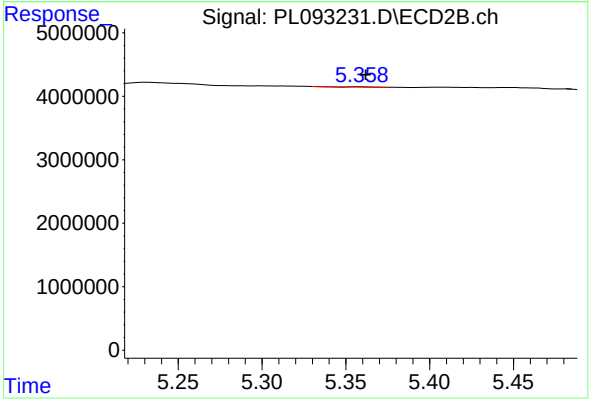
#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 1467011
Conc: 0.41 ng/ml



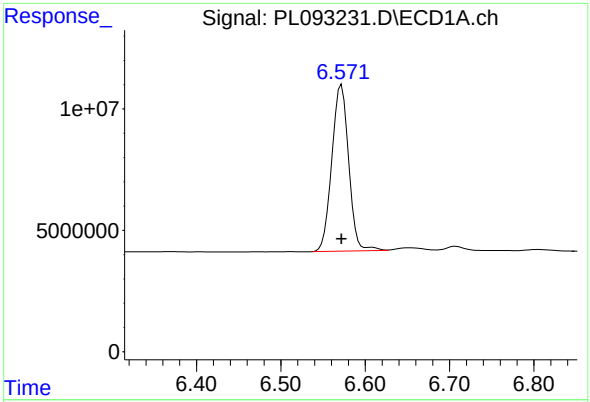
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

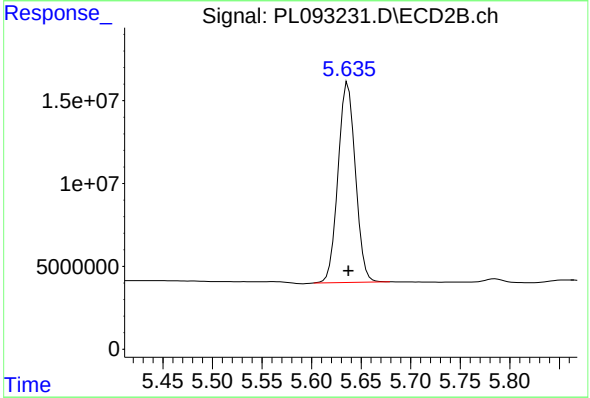
R.T.: 5.358 min
Delta R.T.: -0.004 min
Response: 1137
Conc: 0.00 ng/ml



#14 Endrin

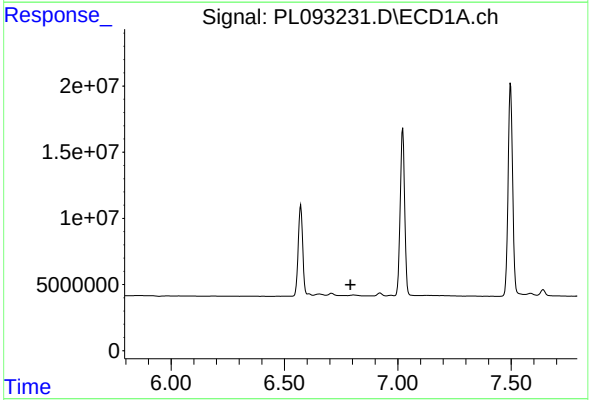
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 95247100
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



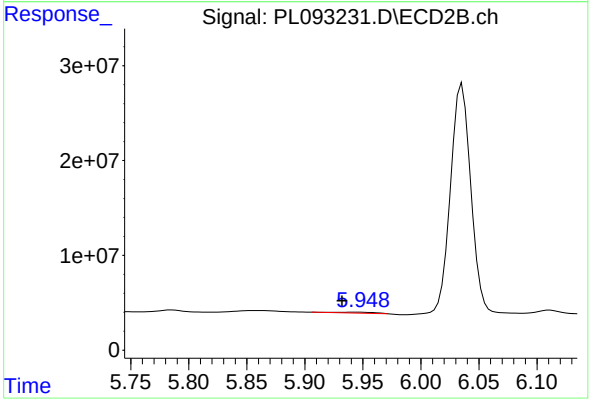
#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 147167853
Conc: 46.14 ng/ml



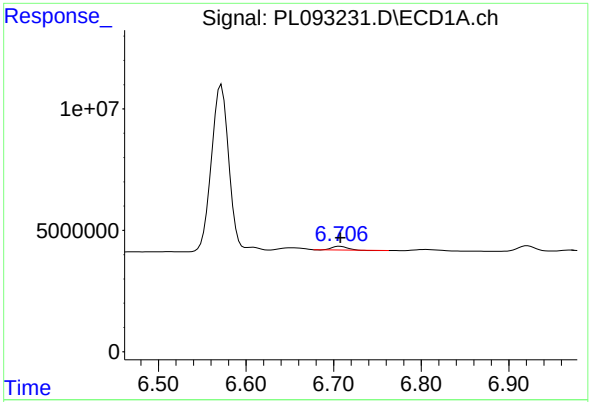
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

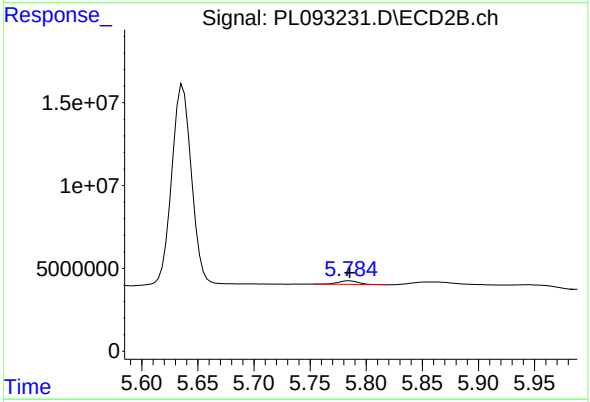
R.T.: 5.944 min
Delta R.T.: 0.012 min
Response: 1975884
Conc: 0.62 ng/ml



#16 4,4'-DDD

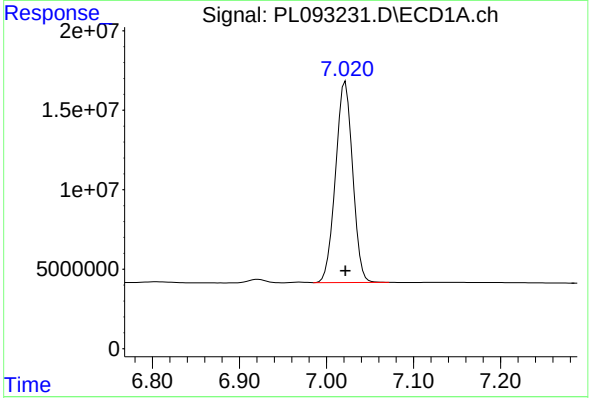
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 1762313
Conc: 0.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



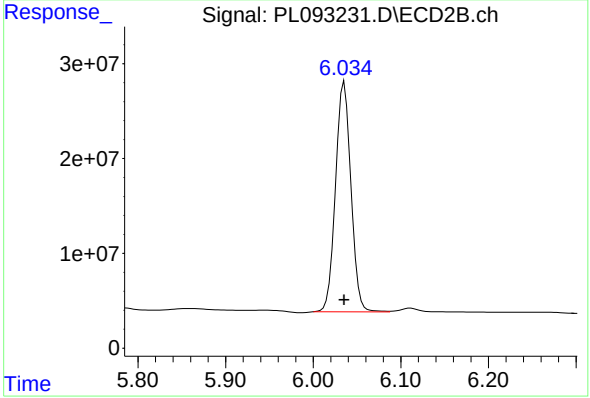
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 2698915
Conc: 0.96 ng/ml



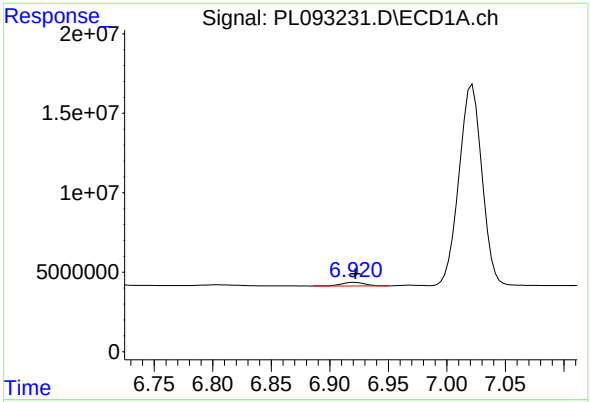
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 172758051
Conc: 89.61 ng/ml



#17 4,4'-DDT

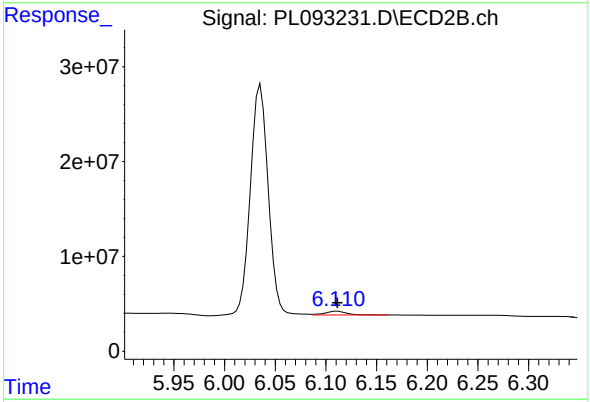
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 296971451
Conc: 100.27 ng/ml



#18 Endrin aldehyde

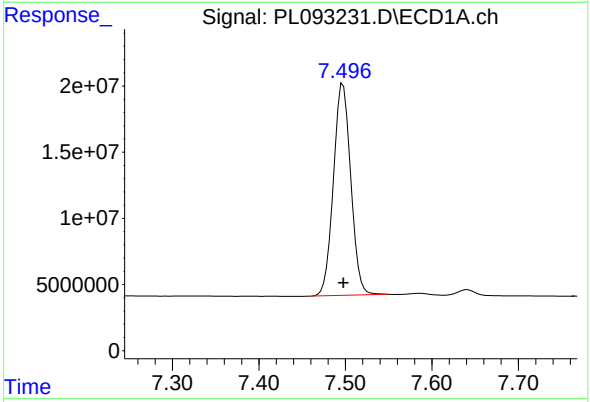
R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 2989353
Conc: 1.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



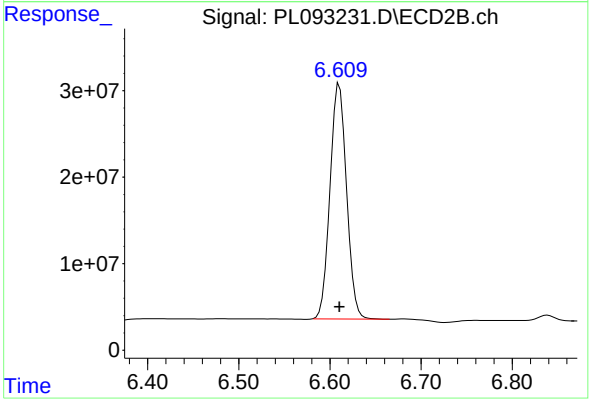
#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 5605406
Conc: 2.14 ng/ml



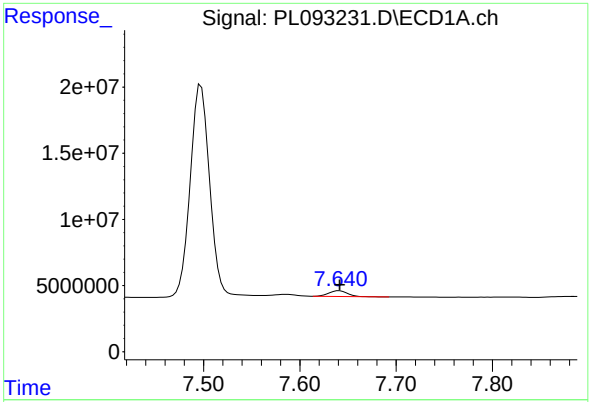
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 221872851
Conc: 212.34 ng/ml



#20 Methoxychlor

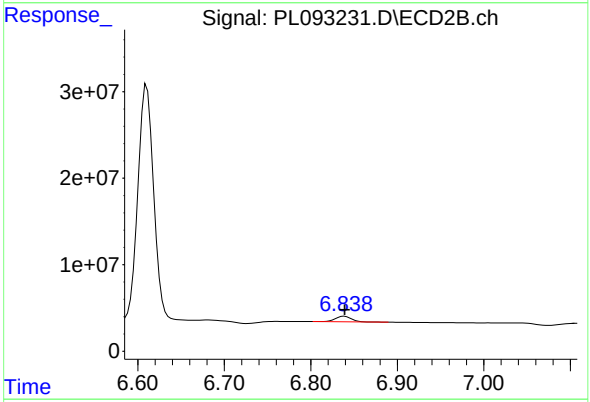
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 343236459
Conc: 224.79 ng/ml



#21 Endrin ketone

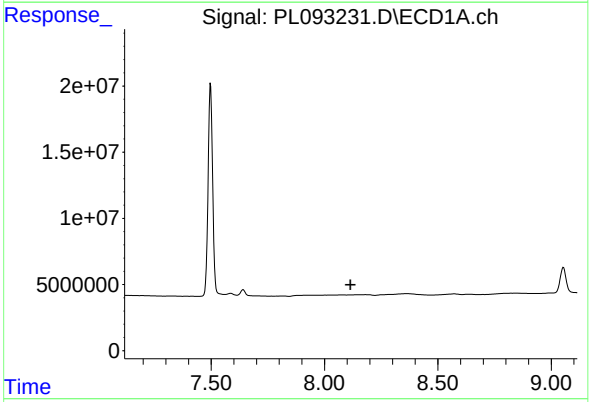
R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 5713853
Conc: 2.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



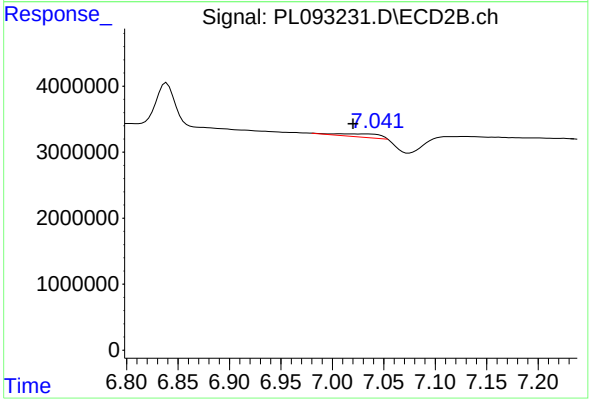
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 8149737
Conc: 2.43 ng/ml



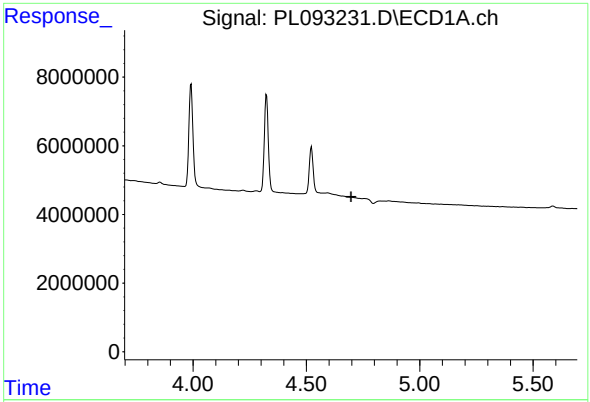
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

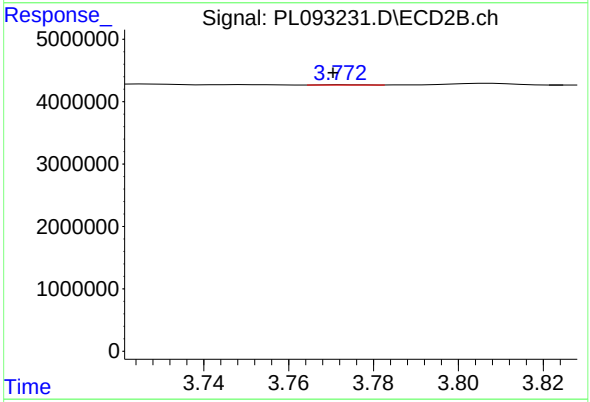
R.T.: 7.006 min
Delta R.T.: -0.014 min
Response: 1285814
Conc: 0.48 ng/ml



#23 Chlordane-1

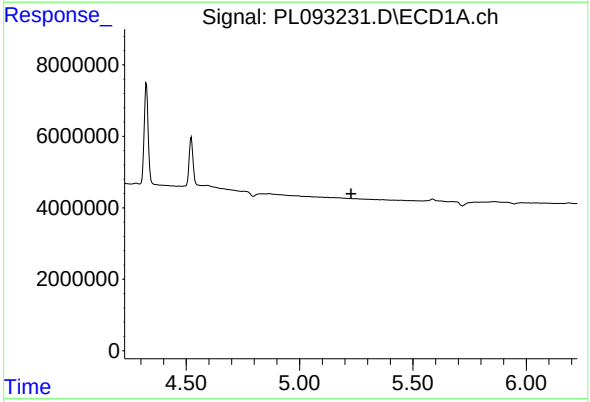
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



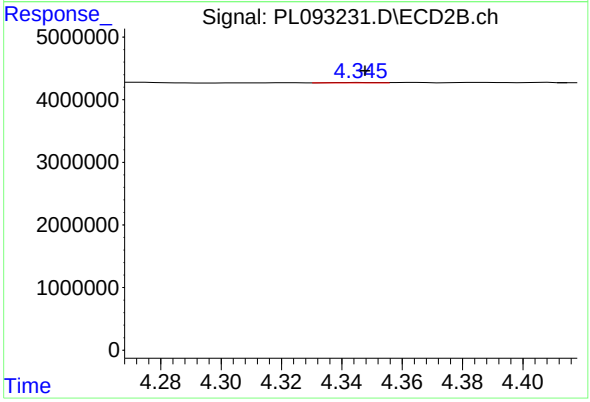
#23 Chlordane-1

R.T.: 3.773 min
Delta R.T.: 0.003 min
Response: 24765
Conc: 0.21 ng/ml



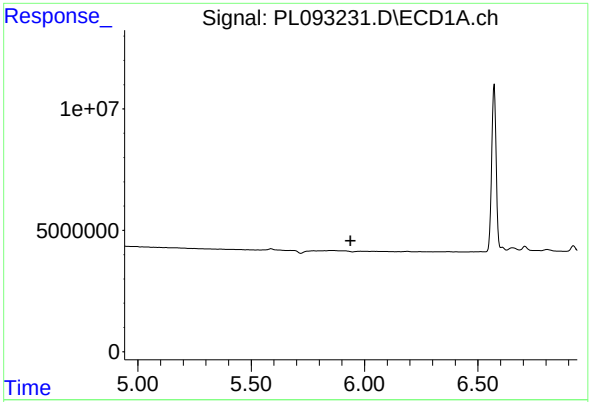
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.227 min
Response: 0
Conc: N.D.



#24 Chlordane-2

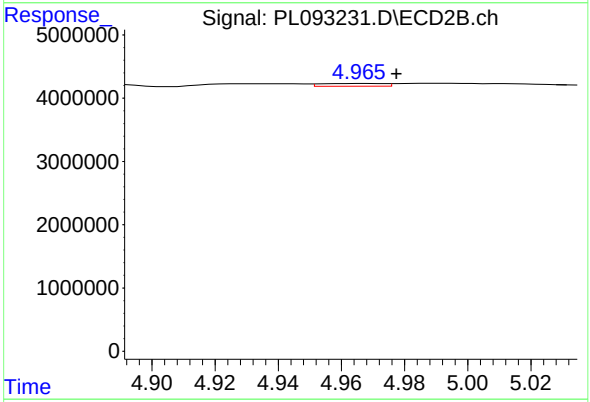
R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 63344
Conc: 0.47 ng/ml



#25 Chlordane-3

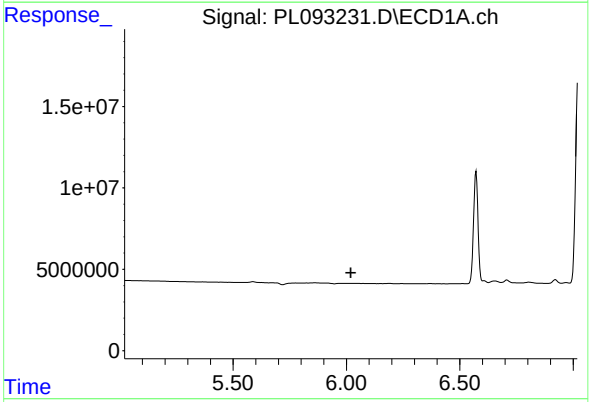
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



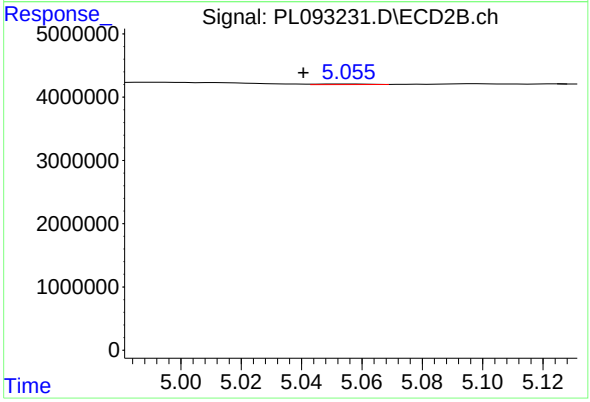
#25 Chlordane-3

R.T.: 4.967 min
Delta R.T.: -0.010 min
Response: 616392
Conc: 1.53 ng/ml



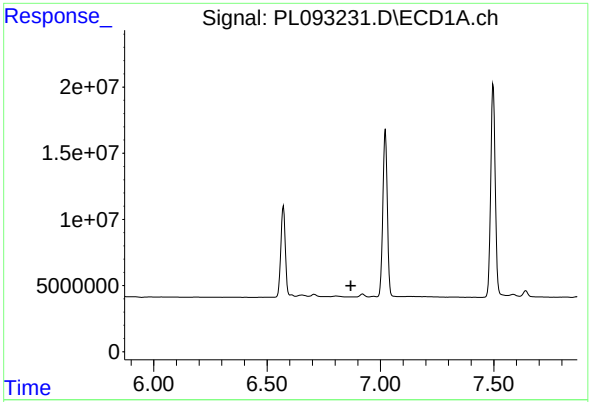
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.



#26 Chlordane-4

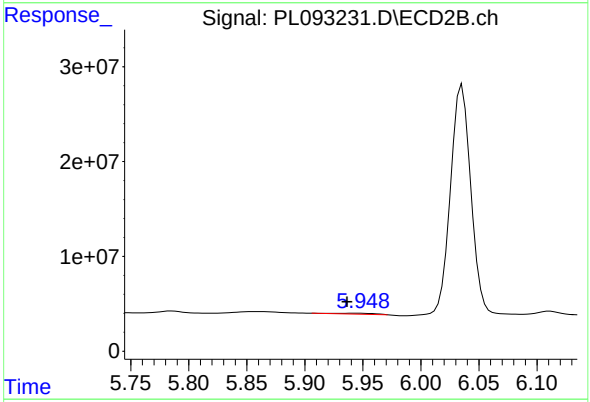
R.T.: 5.057 min
Delta R.T.: 0.016 min
Response: 119624
Conc: 0.31 ng/ml



#27 Chlordane-5

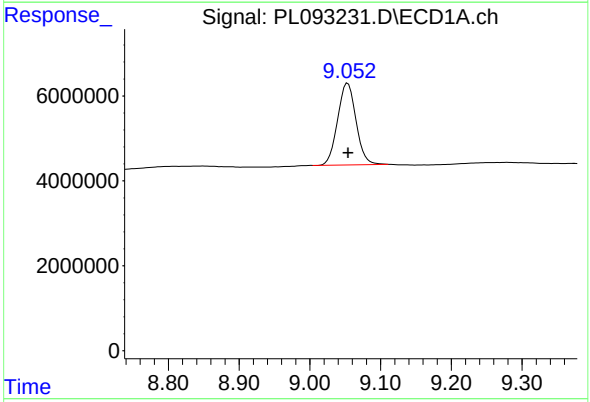
R.T.: 0.000 min
Exp R.T. : 6.869 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



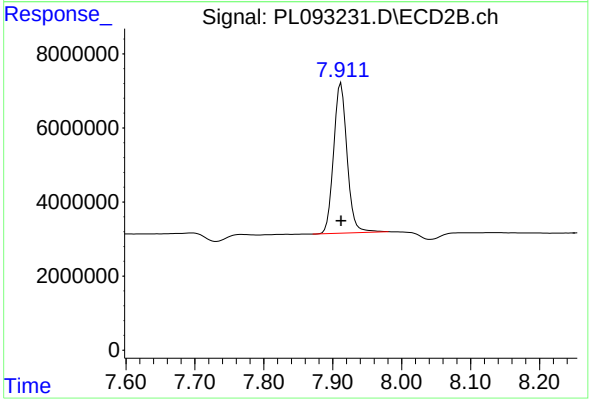
#27 Chlordane-5

R.T.: 5.944 min
Delta R.T.: 0.008 min
Response: 1975884
Conc: 14.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 34835122
Conc: 20.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 55010092
Conc: 19.26 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:25
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: Nov 25 13:55:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.774	12935818	12731689	4.977	4.415
28)	SA Decachlor...	9.054	7.912	7514689	13589966	4.329	4.758
	Target Compounds						
2)	A alpha-BHC	3.992	3.276	16814145	16598186	4.712	3.888
3)	MA gamma-BHC...	4.324	3.606	16014261	16445252	4.740	3.973
4)	MA Heptachlor	4.913	3.945	16254194	16915624	5.320	4.181
5)	MB Aldrin	5.255	4.224	15019448	16143434	4.995	4.057
6)	B beta-BHC	4.523	3.907	7879453	8108565	5.219	4.558
7)	B delta-BHC	4.770	4.135	17026788	18069674	5.146	4.235
8)	B Heptachlo...	5.681	4.727	15020333	15380848	5.409	4.223
9)	A Endosulfan I	6.067	5.097	12379386	14045867	5.086	4.202
10)	B gamma-Chl...	5.937	4.977	12722617	15911800	4.938	4.295
11)	B alpha-Chl...	6.016	5.041	13208242	15236516	5.098	4.197
12)	B 4,4'-DDE	6.190	5.230	11468908	14941224	4.903	4.174
13)	MA Dieldrin	6.342	5.361	12925499	15216826	5.043	4.129
14)	MA Endrin	6.572	5.637	10155319	13515384	4.842	4.238
15)	B Endosulfa...	6.791	5.932	11074866	13820293	5.079	4.361
16)	A 4,4'-DDD	6.707	5.785	8267513	11229181	4.534	4.006
17)	MA 4,4'-DDT	7.021	6.035	9182338	12002393	4.763	4.052
18)	B Endrin al...	6.922	6.111	9374942	12445900	5.189	4.746
19)	B Endosulfa...	7.157	6.334	10945325	14195138	5.281	4.670
20)	A Methoxychlor	7.498	6.611	5042879	6745446	4.826	4.418
21)	B Endrin ke...	7.642	6.839	11220438	14522912	4.945	4.326
22)	Mirex	8.115	7.020	9273747	11839202	5.134	4.400

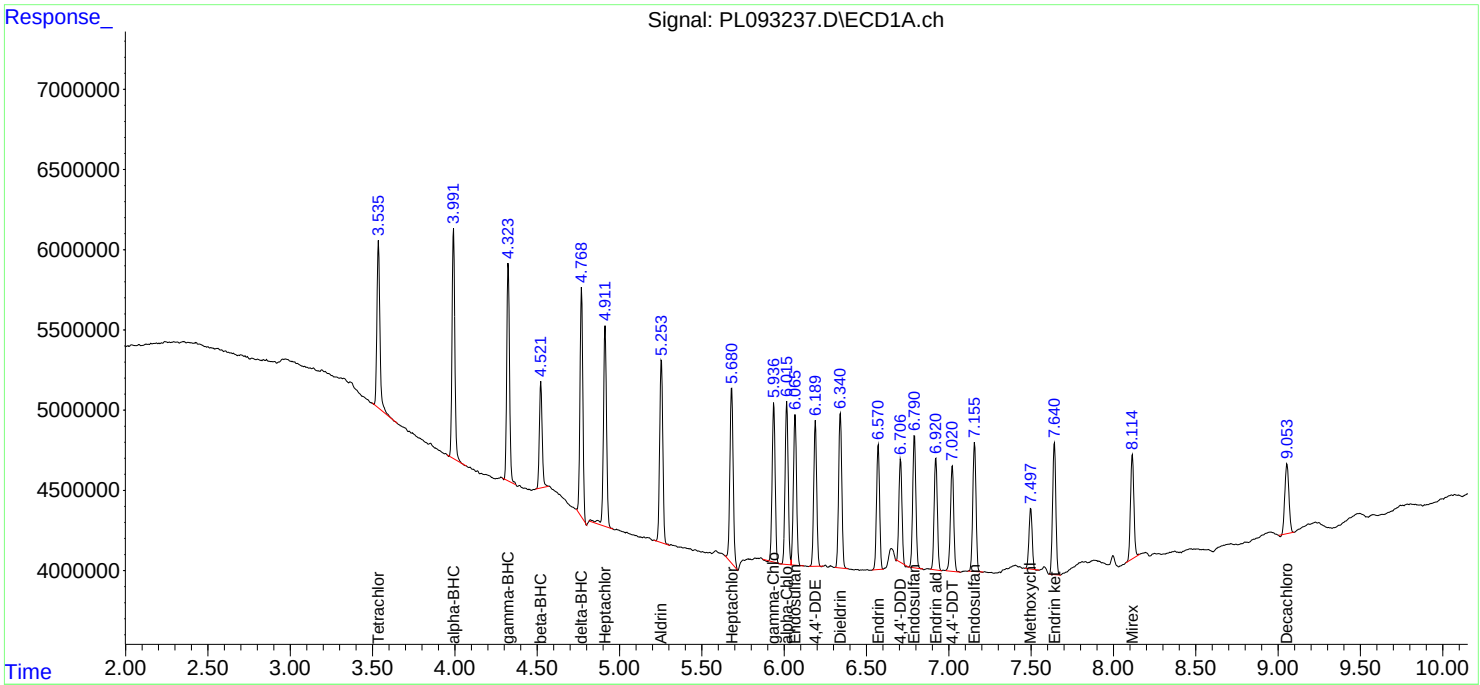
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

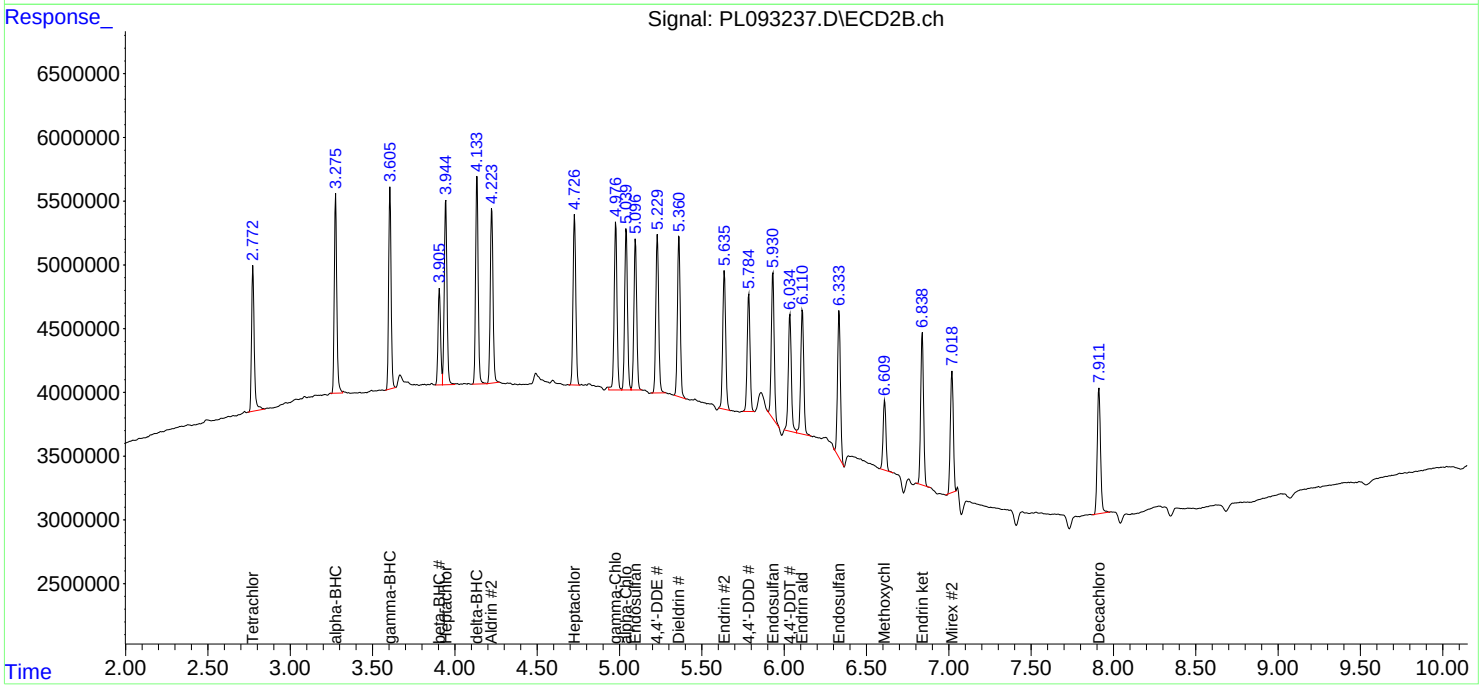
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL112524\
Data File : PL093237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 12:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

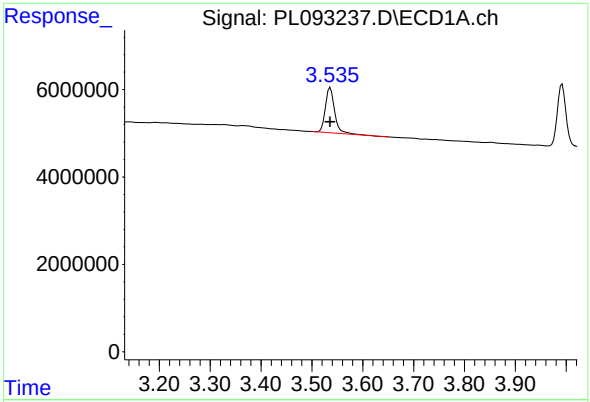
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 25 13:55:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 13:46:07 2024
Response via : Initial Calibration
Integrator: ChemStation

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



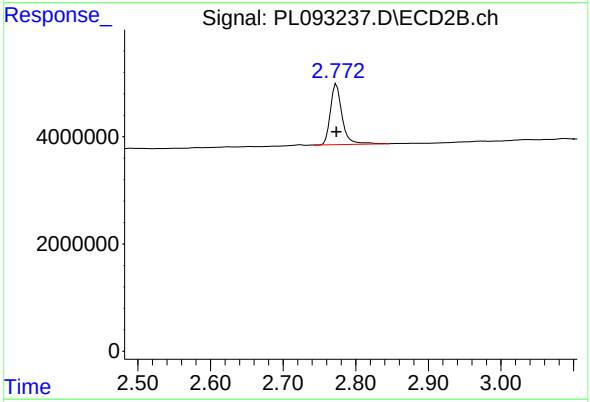




#1 Tetrachloro-m-xylene

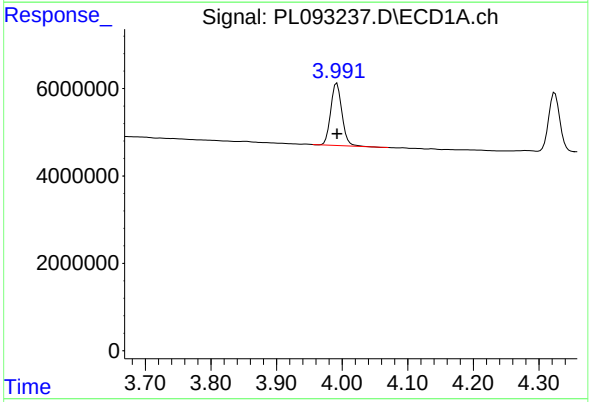
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 12935818
Conc: 4.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



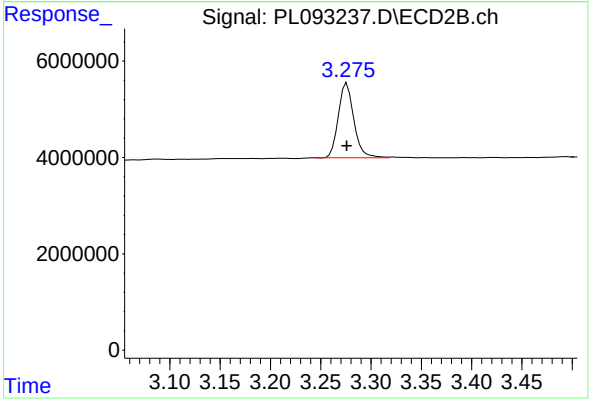
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 12731689
Conc: 4.41 ng/ml



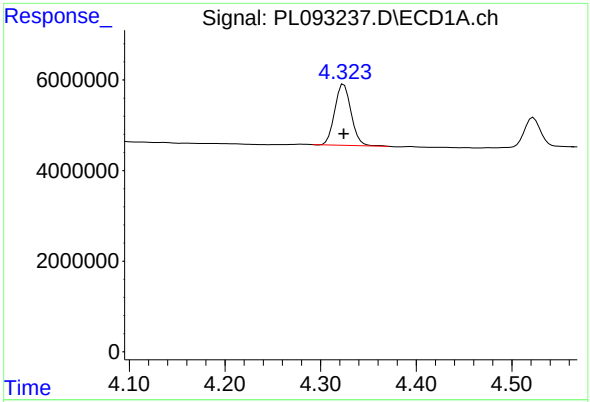
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 16814145
Conc: 4.71 ng/ml



#2 alpha-BHC

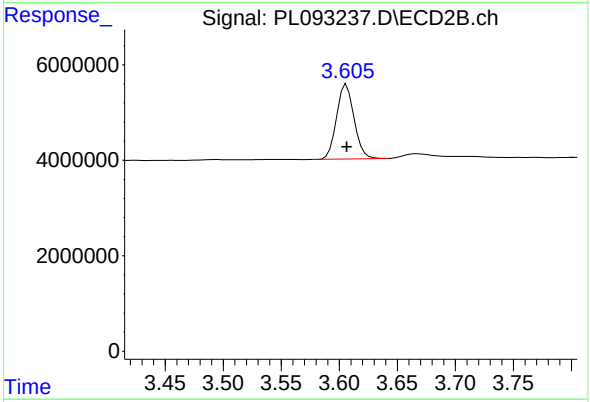
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 16598186
Conc: 3.89 ng/ml



#3 gamma-BHC (Lindane)

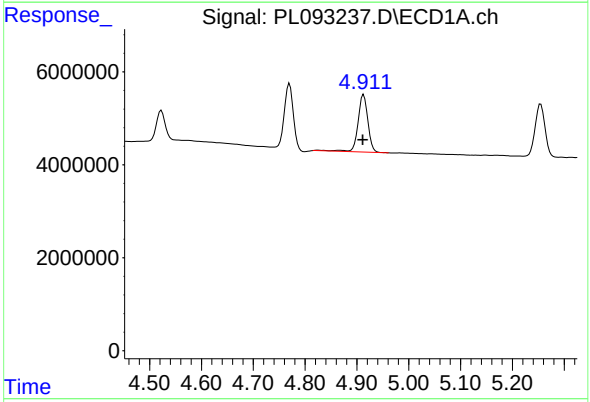
R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 16014261
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



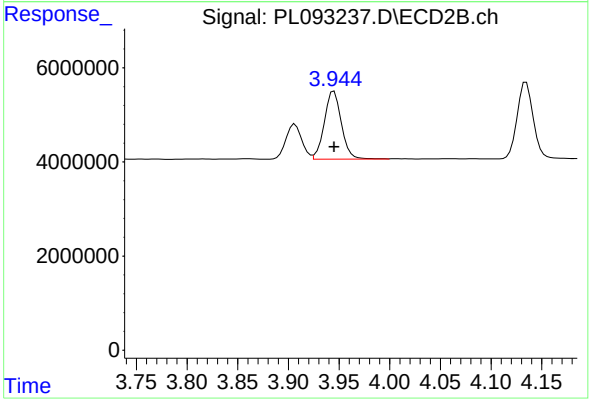
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 16445252
Conc: 3.97 ng/ml



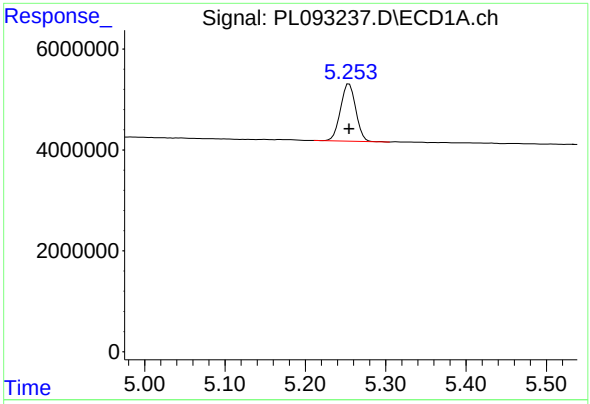
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: 0.001 min
Response: 16254194
Conc: 5.32 ng/ml



#4 Heptachlor

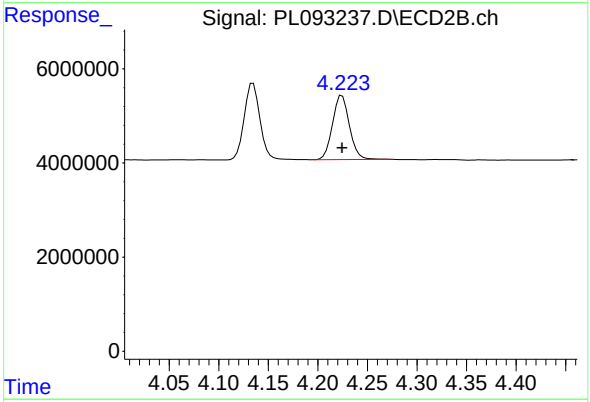
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 16915624
Conc: 4.18 ng/ml



#5 Aldrin

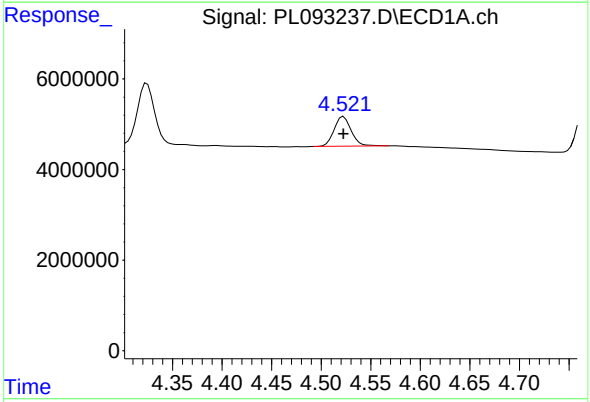
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 15019448
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



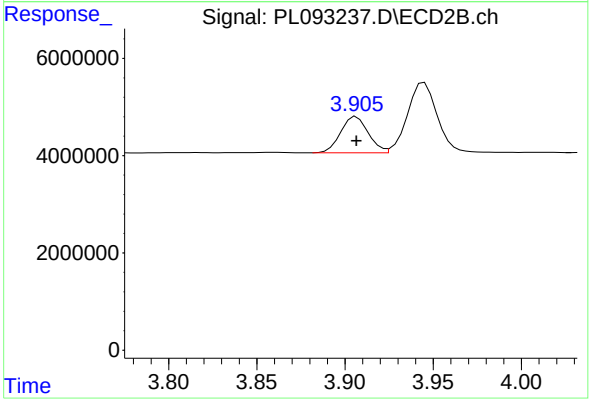
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 16143434
Conc: 4.06 ng/ml



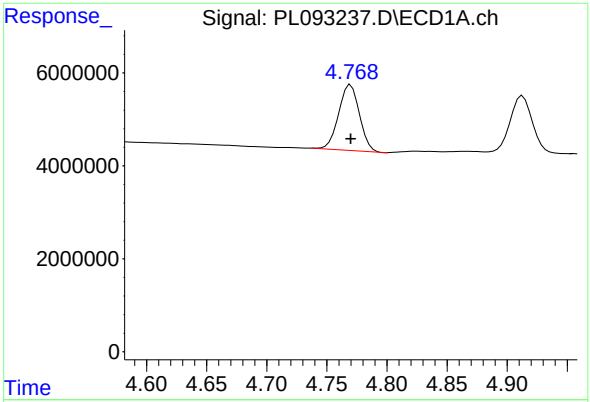
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 7879453
Conc: 5.22 ng/ml



#6 beta-BHC

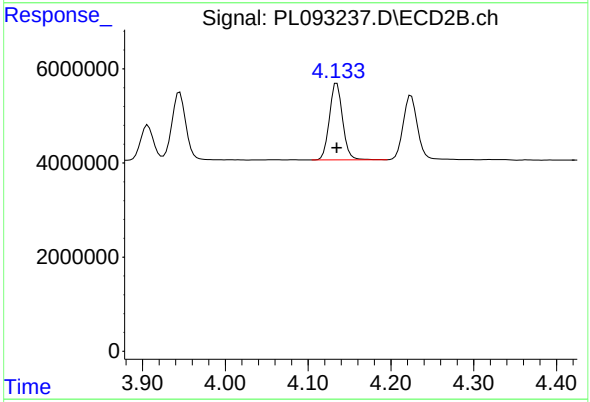
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 8108565
Conc: 4.56 ng/ml



#7 delta-BHC

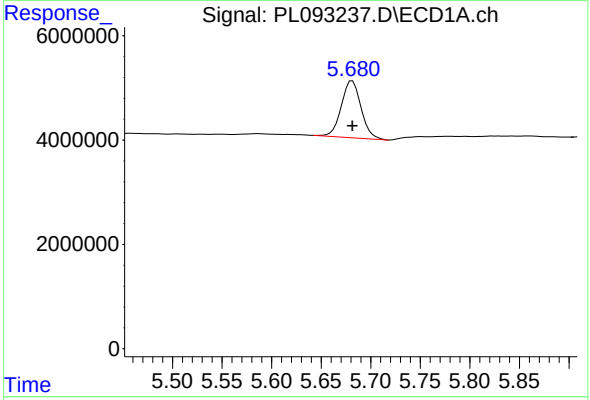
R.T.: 4.770 min
Delta R.T.: 0.000 min
Response: 17026788
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



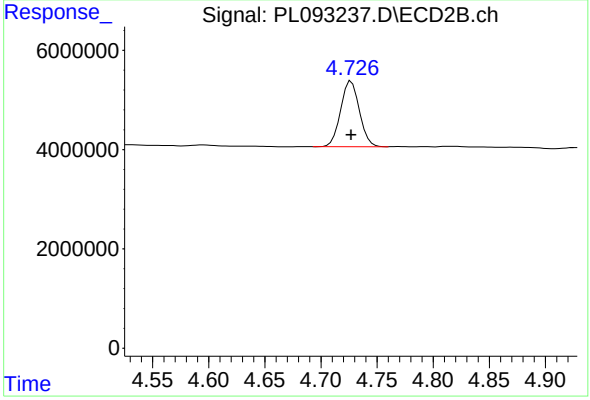
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 18069674
Conc: 4.24 ng/ml



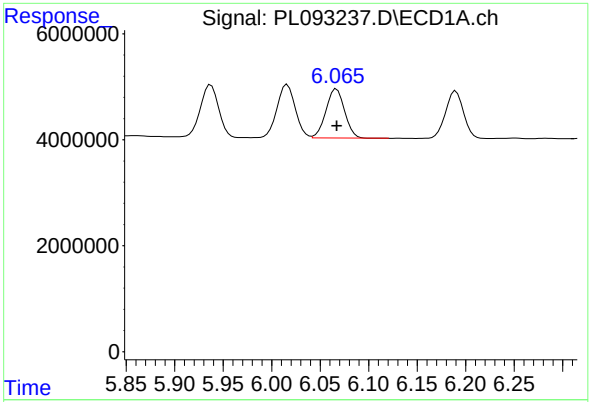
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.000 min
Response: 15020333
Conc: 5.41 ng/ml



#8 Heptachlor epoxide

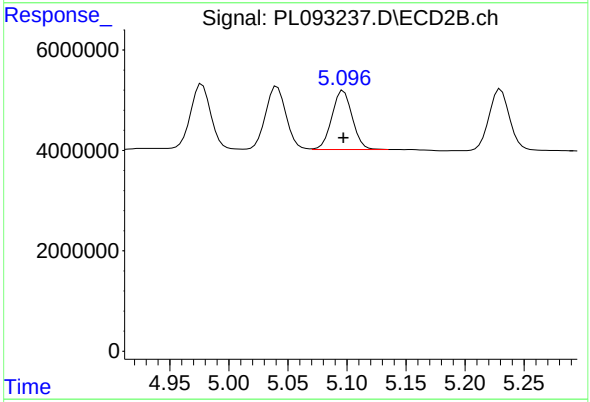
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 15380848
Conc: 4.22 ng/ml



#9 Endosulfan I

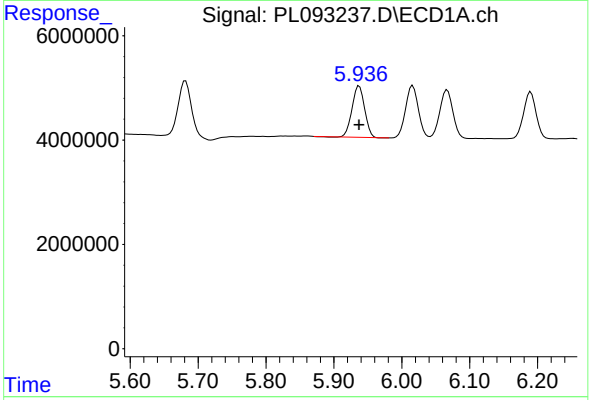
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 12379386
Conc: 5.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



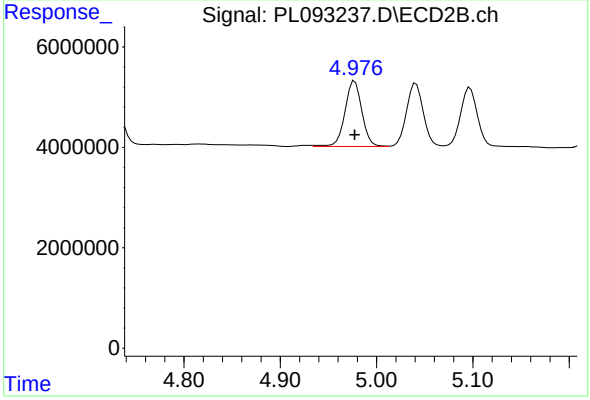
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 14045867
Conc: 4.20 ng/ml



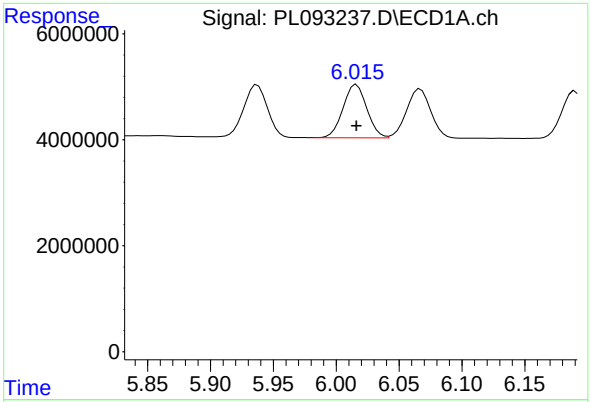
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 12722617
Conc: 4.94 ng/ml



#10 gamma-Chlordane

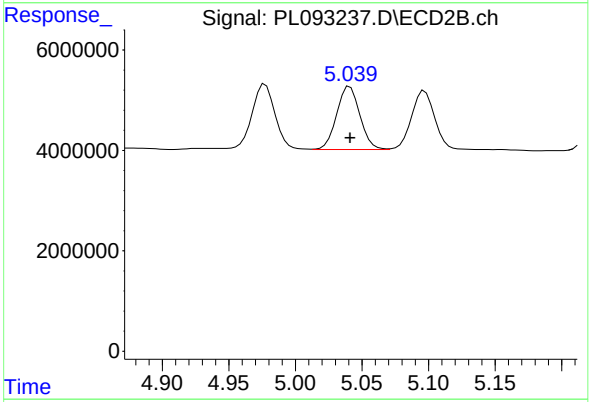
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 15911800
Conc: 4.29 ng/ml



#11 alpha-Chlordane

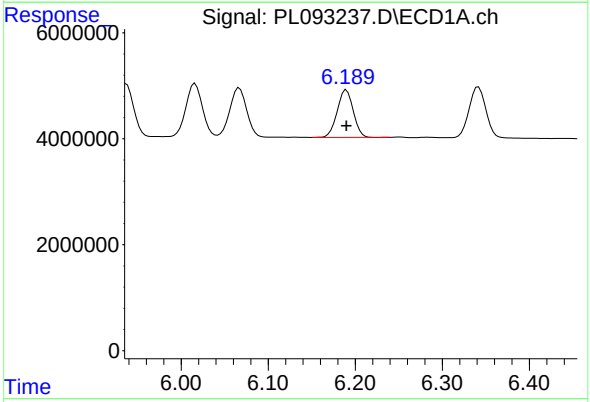
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 13208242
Conc: 5.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



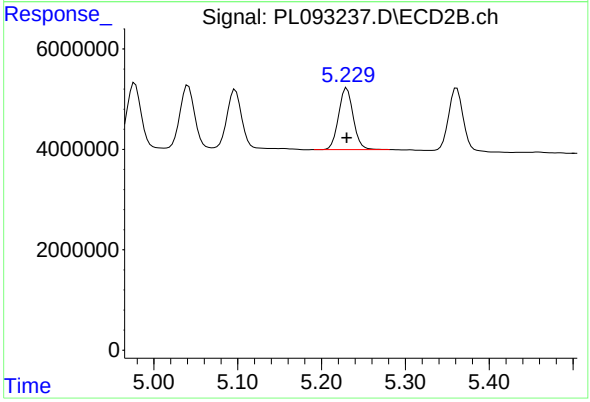
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 15236516
Conc: 4.20 ng/ml



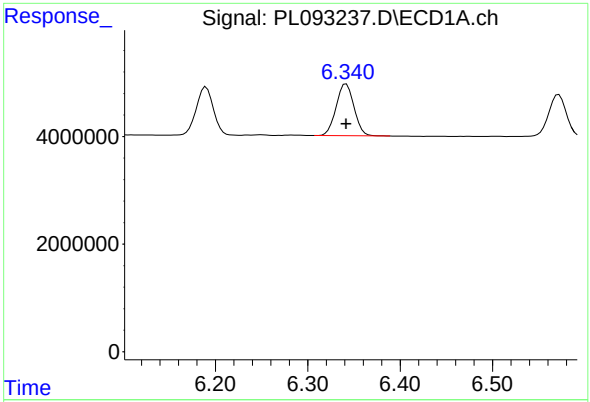
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 11468908
Conc: 4.90 ng/ml



#12 4,4'-DDE

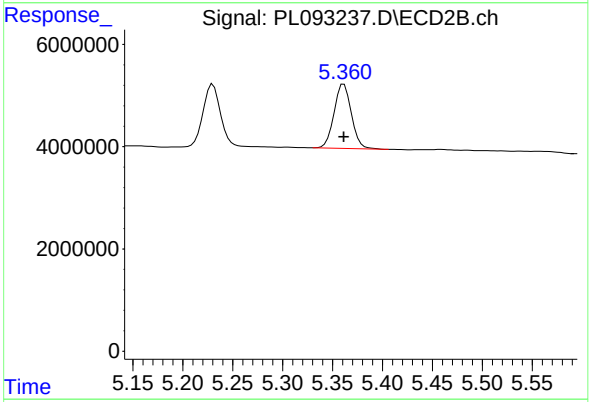
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 14941224
Conc: 4.17 ng/ml



#13 Dieldrin

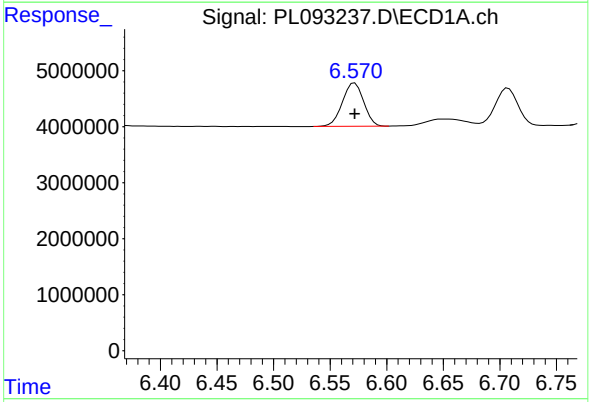
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 12925499
Conc: 5.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



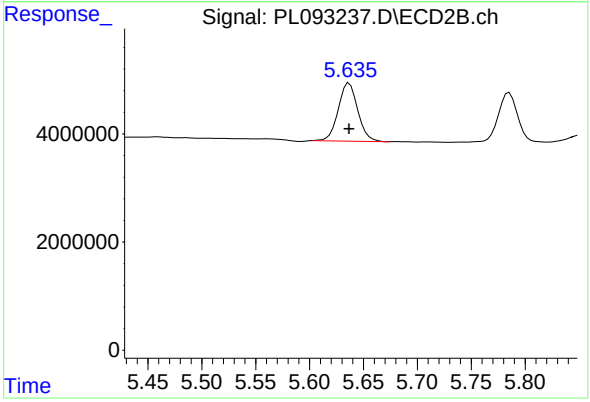
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 15216826
Conc: 4.13 ng/ml



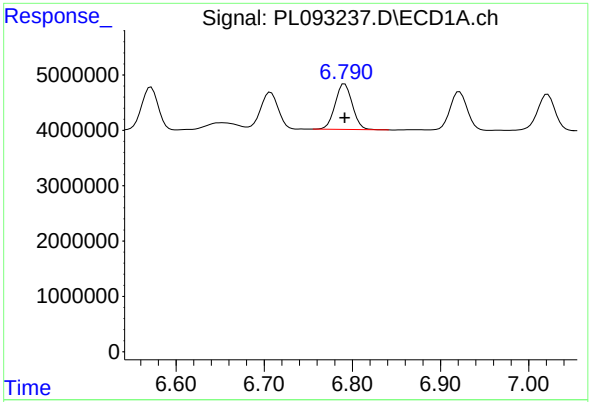
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 10155319
Conc: 4.84 ng/ml



#14 Endrin

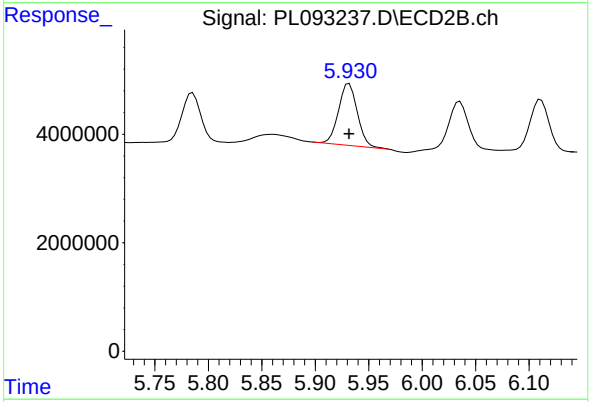
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 13515384
Conc: 4.24 ng/ml



#15 Endosulfan II

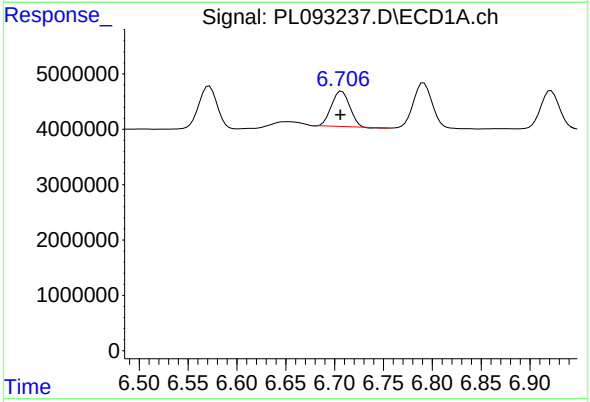
R.T.: 6.791 min
Delta R.T.: 0.000 min
Response: 11074866
Conc: 5.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



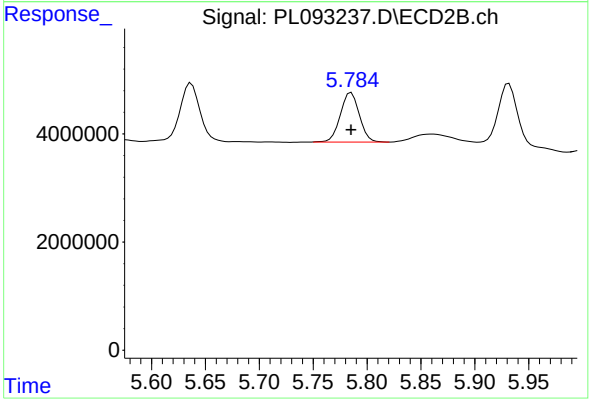
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 13820293
Conc: 4.36 ng/ml



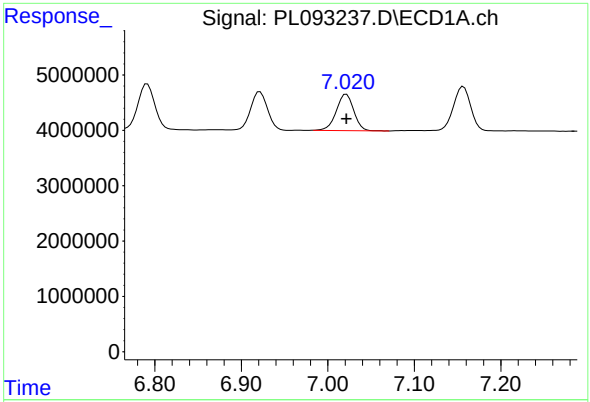
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.001 min
Response: 8267513
Conc: 4.53 ng/ml



#16 4,4'-DDD

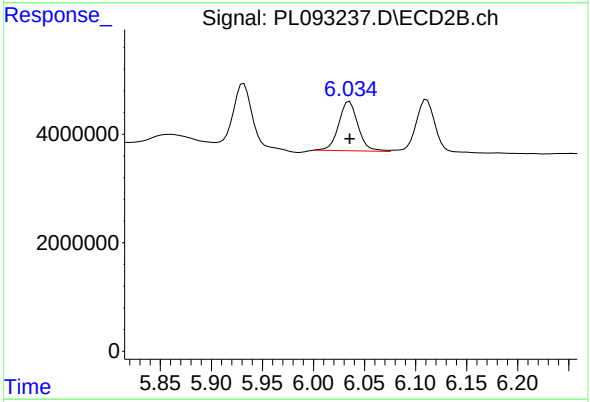
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 11229181
Conc: 4.01 ng/ml



#17 4,4'-DDT

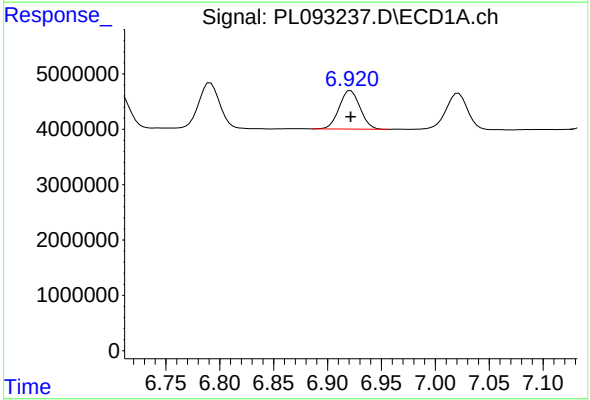
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 9182338
Conc: 4.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



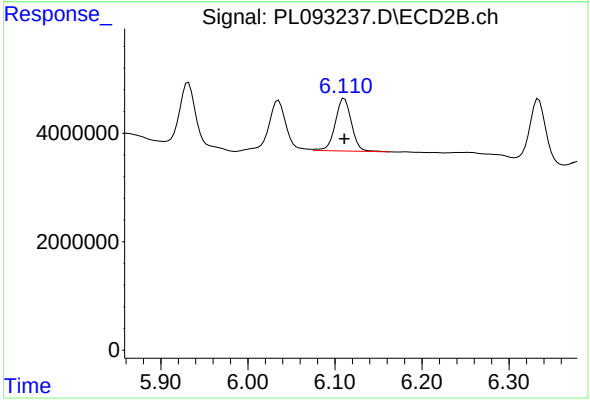
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 12002393
Conc: 4.05 ng/ml



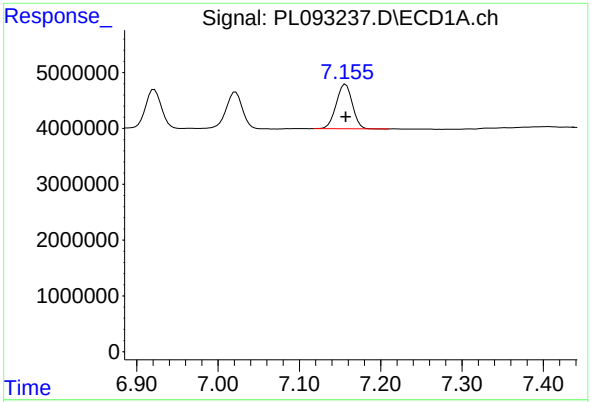
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 9374942
Conc: 5.19 ng/ml



#18 Endrin aldehyde

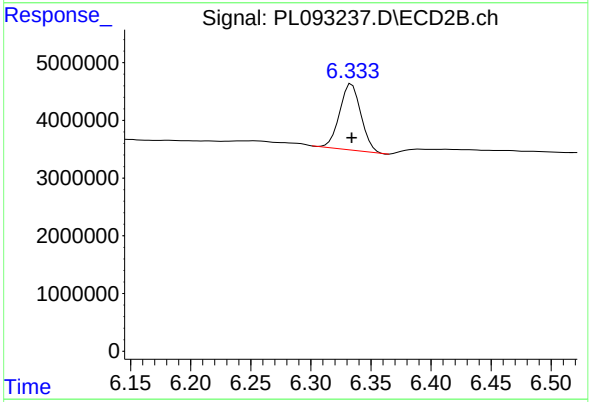
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 12445900
Conc: 4.75 ng/ml



#19 Endosulfan Sulfate

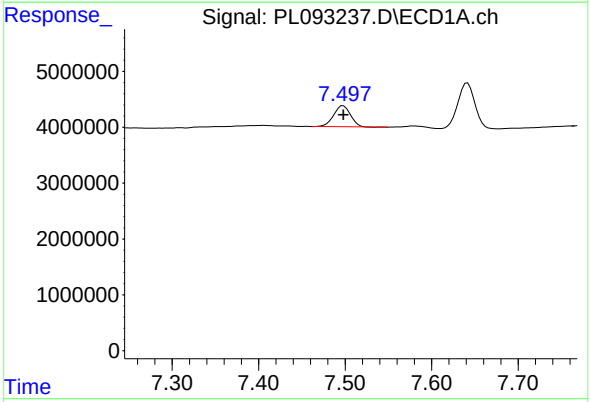
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 10945325
Conc: 5.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



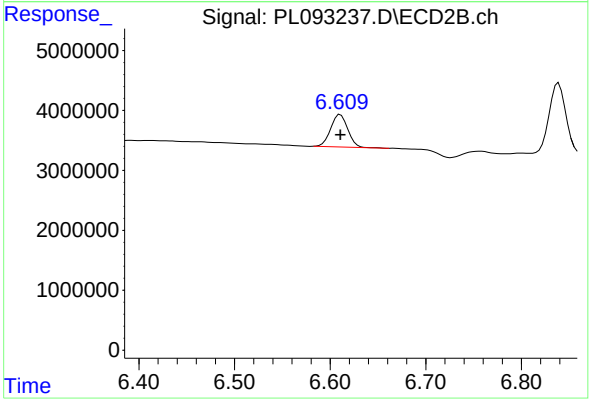
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 14195138
Conc: 4.67 ng/ml



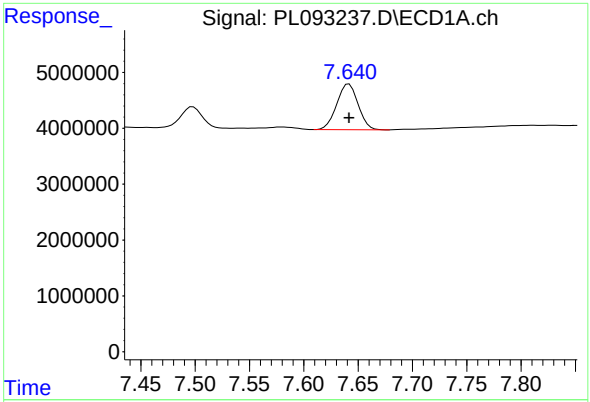
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 5042879
Conc: 4.83 ng/ml



#20 Methoxychlor

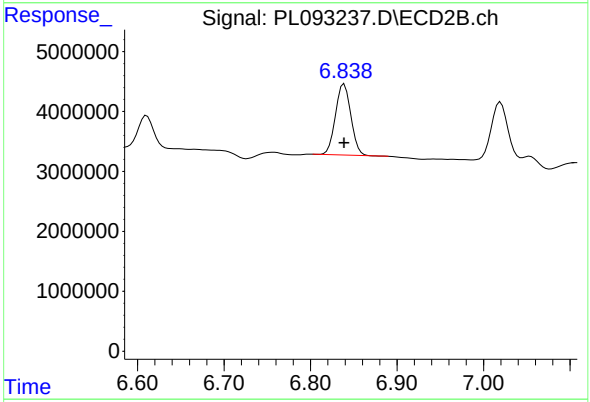
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 6745446
Conc: 4.42 ng/ml



#21 Endrin ketone

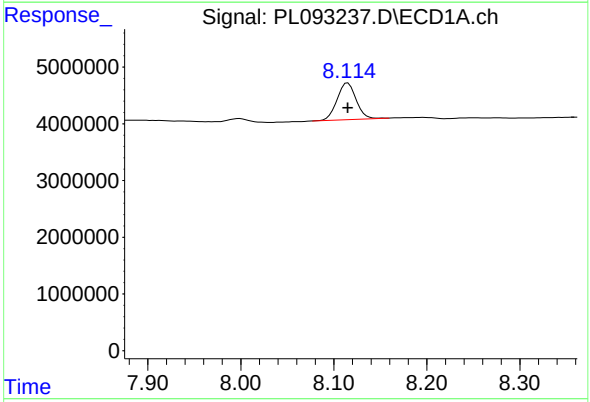
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 11220438
Conc: 4.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



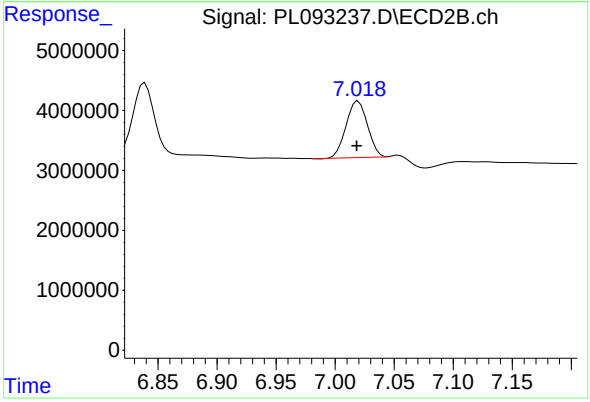
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 14522912
Conc: 4.33 ng/ml



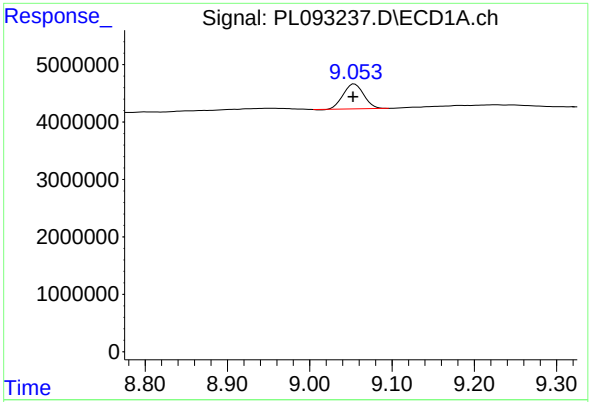
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 9273747
Conc: 5.13 ng/ml



#22 Mirex

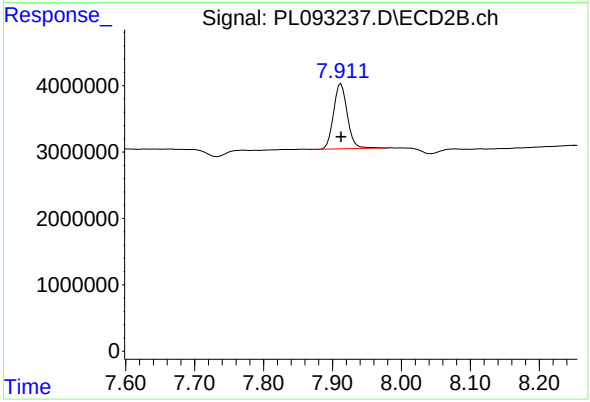
R.T.: 7.020 min
Delta R.T.: 0.001 min
Response: 11839202
Conc: 4.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.002 min
Response: 7514689
Conc: 4.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 13589966
Conc: 4.76 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 10:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:25:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	57502056	63876033	22.125	22.148	
28)	SA Decachlor...	9.054	7.912	43089222	65553993	24.785	22.949	
	Target Compounds							
2)	A alpha-BHC	3.994	3.278	41575109	45269691	11.651	10.603	
3)	MA gamma-BHC...	4.327	3.608	39131654	41841899	11.582	10.107	
5)	MB Aldrin	0.000	4.238	0	154419	N.D.	0.039	#
6)	B beta-BHC	4.525	3.908	17851794	20562555	11.824	11.559	
7)	B delta-BHC	0.000	4.133	0	70859	N.D.	0.017	#
8)	B Heptachlo...	0.000	4.733	0	157002	N.D.	0.043	#
9)	A Endosulfan I	0.000	5.088	0	64859	N.D.	0.019	#
10)	B gamma-Chl...	0.000	4.989	0	1177402	N.D.	0.318	#
11)	B alpha-Chl...	0.000	5.049	0	209858	N.D.	0.058	#
12)	B 4,4'-DDE	0.000	5.236	0	410497	N.D.	0.115	#
13)	MA Dieldrin	0.000	5.372	0	852748	N.D.	0.231	#
14)	MA Endrin	6.574	5.638	107.9E6	170.5E6	51.462	53.448	
15)	B Endosulfa...	0.000	5.947f	0	806657	N.D.	0.255	#
16)	A 4,4'-DDD	6.709	5.786	2202097	2599930	1.202	0.927	
17)	MA 4,4'-DDT	7.024	6.036	196.8E6	350.8E6	102.077	118.435	
18)	B Endrin al...	6.924	6.112	3005248	5398801	1.663	2.059	
20)	A Methoxychlor	7.500	6.611	244.8E6	406.4E6	234.295	266.161	
21)	B Endrin ke...	7.643	6.840	5935090	8156132	2.615	2.430	
25)	Chlordane-3	0.000	4.989	0	1177402	N.D.	2.930	#
26)	Chlordane-4	0.000	5.049	0	209858	N.D.	0.538	#
27)	Chlordane-5	0.000	5.947	0	806657	N.D.	5.887	#

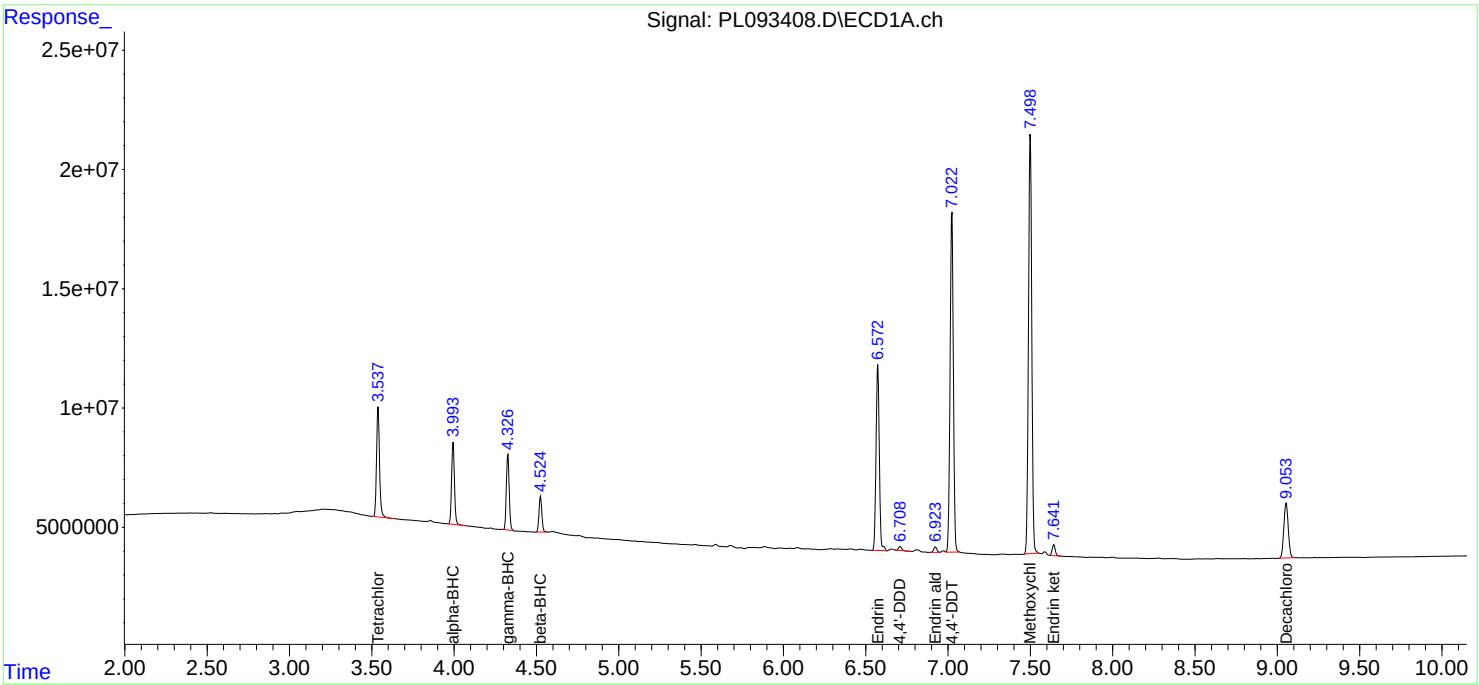
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

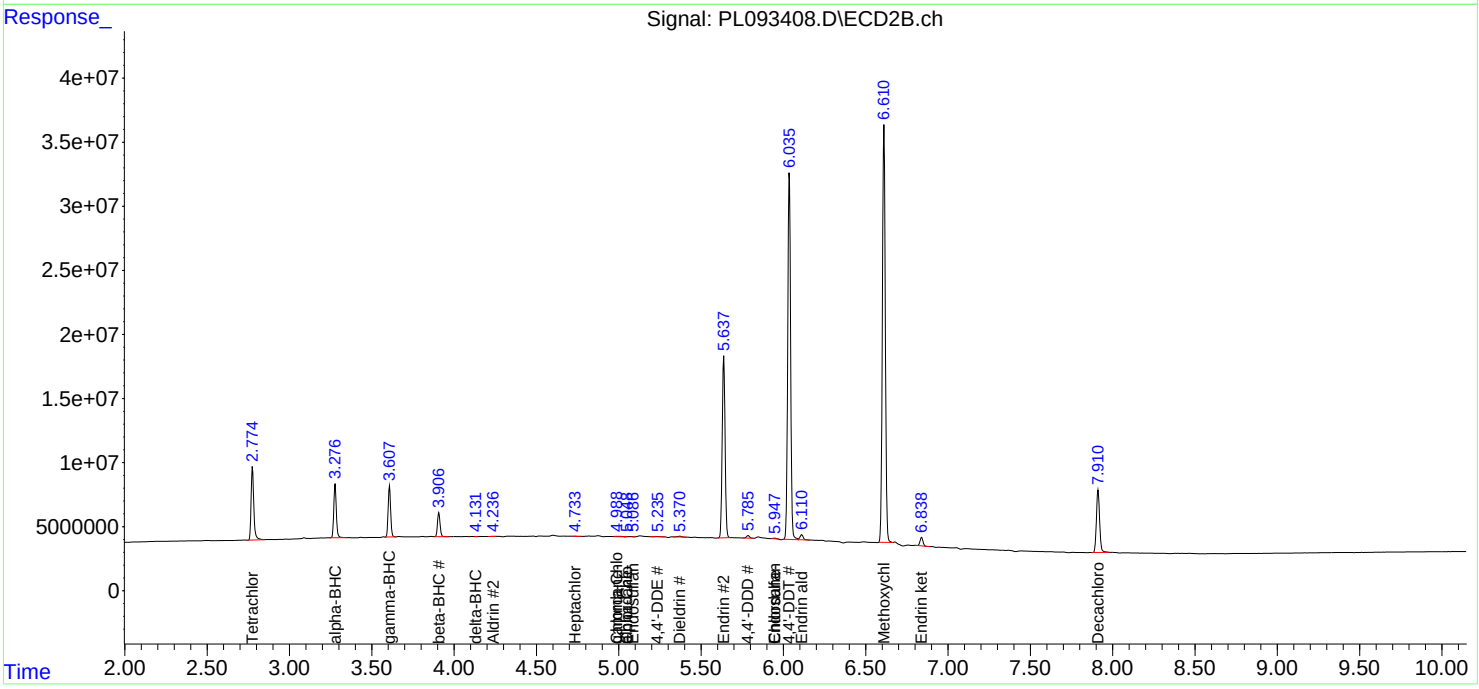
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 10:48
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

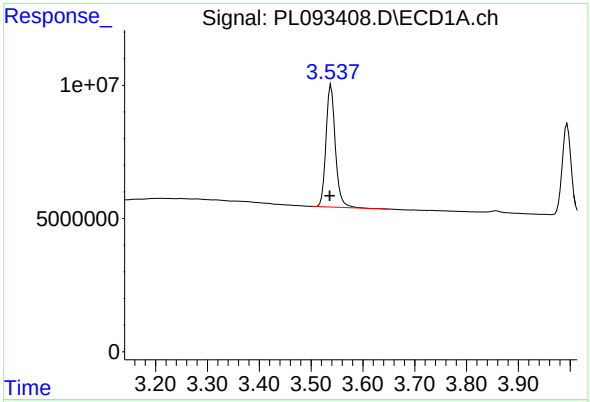
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:25:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



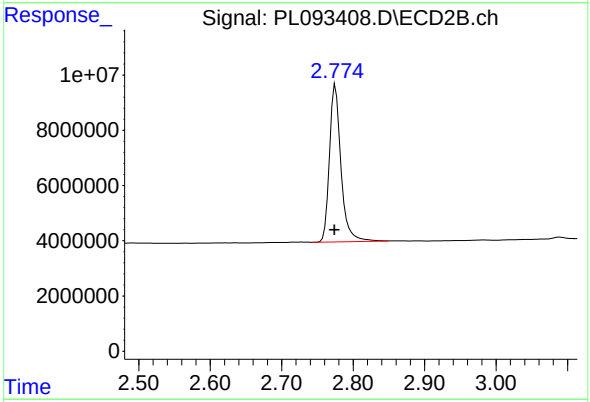




#1 Tetrachloro-m-xylene

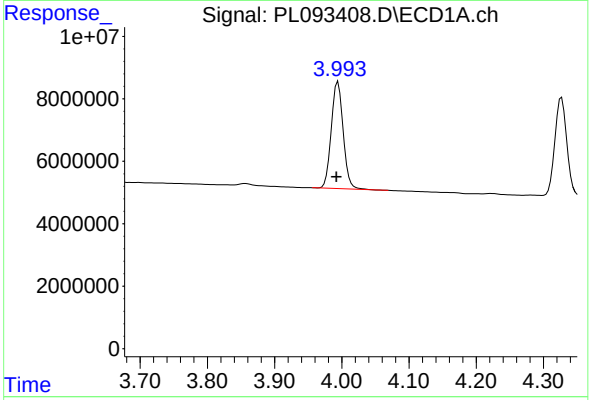
R.T.: 3.539 min
Delta R.T.: 0.002 min
Response: 57502056
Conc: 22.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



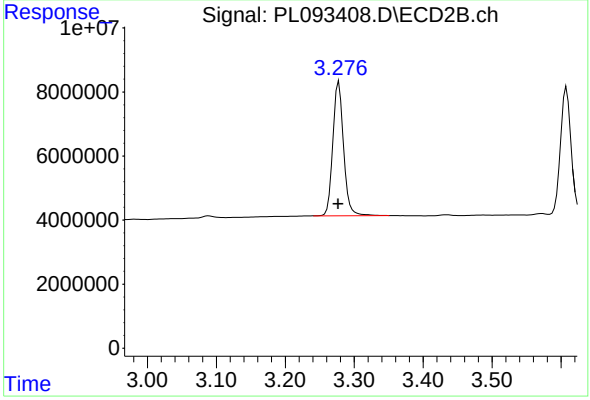
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.002 min
Response: 63876033
Conc: 22.15 ng/ml



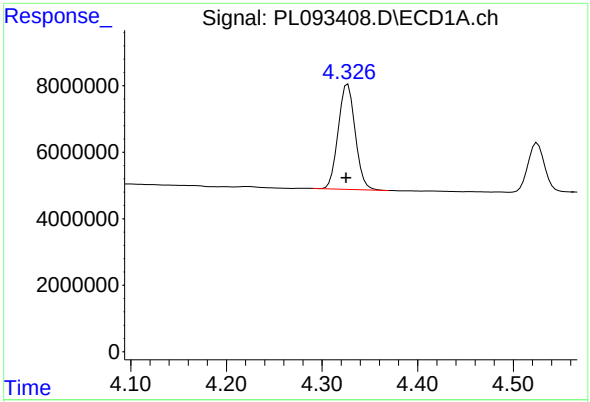
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.002 min
Response: 41575109
Conc: 11.65 ng/ml



#2 alpha-BHC

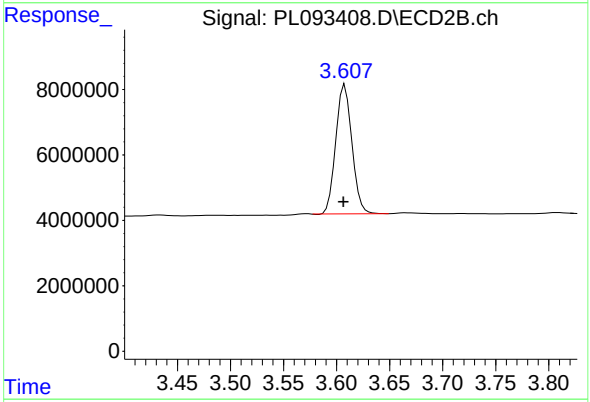
R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 45269691
Conc: 10.60 ng/ml



#3 gamma-BHC (Lindane)

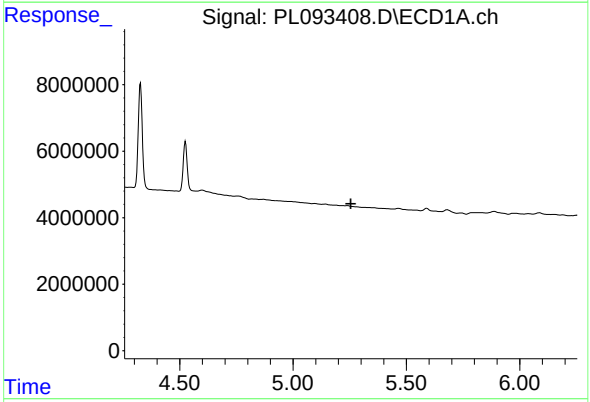
R.T.: 4.327 min
Delta R.T.: 0.002 min
Response: 39131654
Conc: 11.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



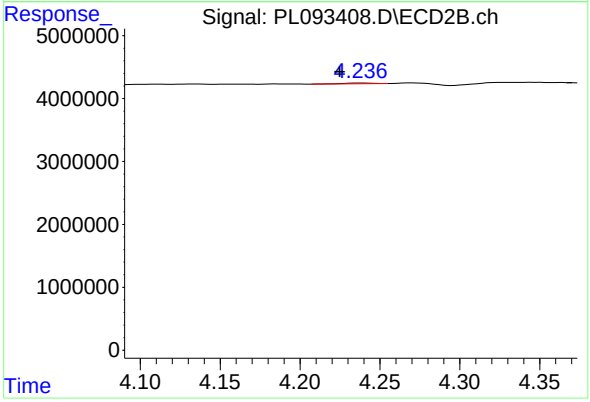
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 41841899
Conc: 10.11 ng/ml



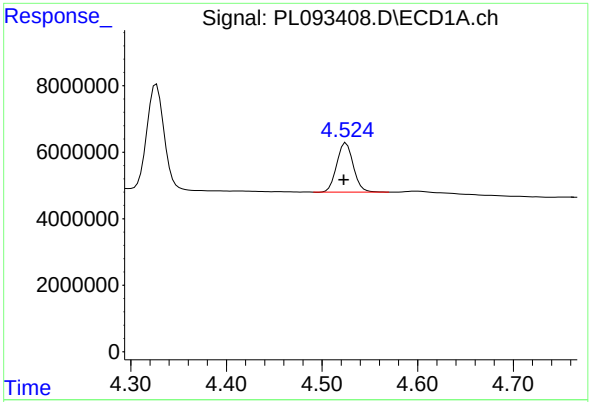
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

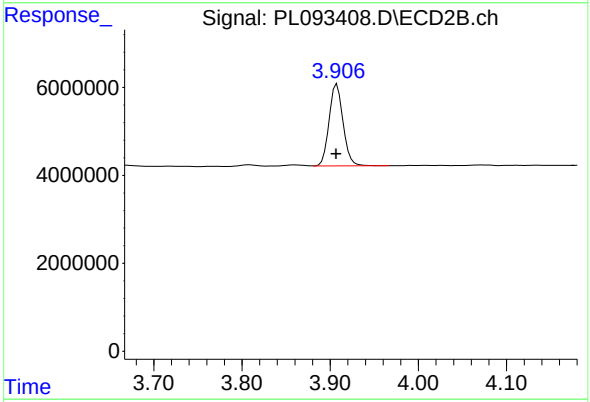
R.T.: 4.238 min
Delta R.T.: 0.013 min
Response: 154419
Conc: 0.04 ng/ml



#6 beta-BHC

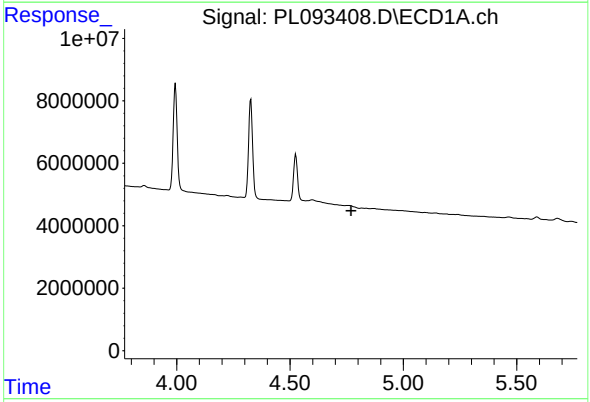
R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 17851794
Conc: 11.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



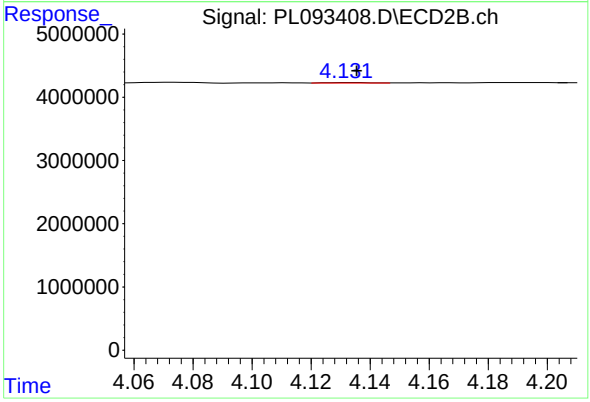
#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.001 min
Response: 20562555
Conc: 11.56 ng/ml



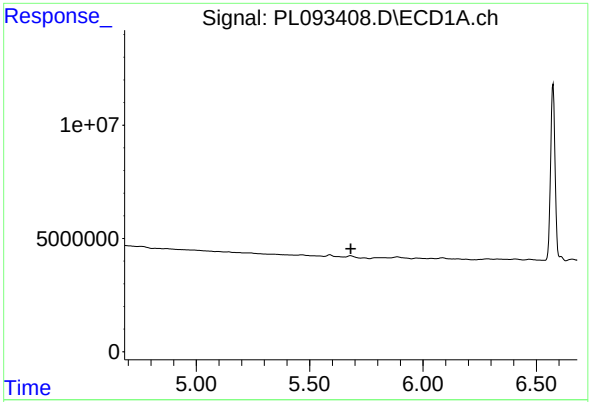
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

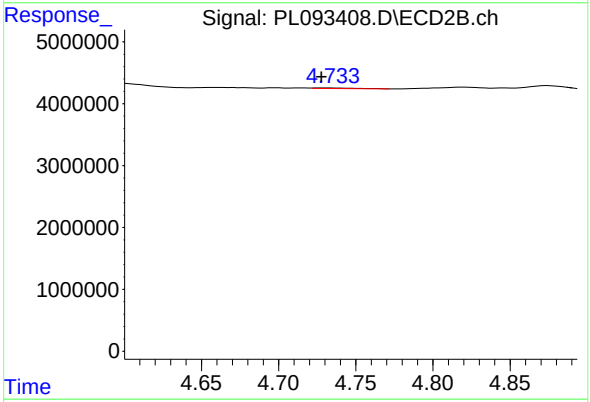
R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 70859
Conc: 0.02 ng/ml



#8 Heptachlor epoxide

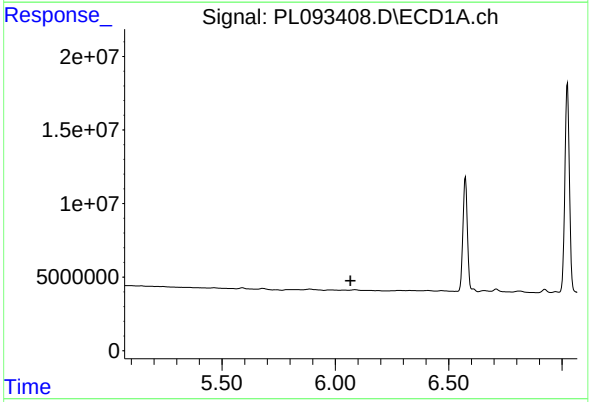
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



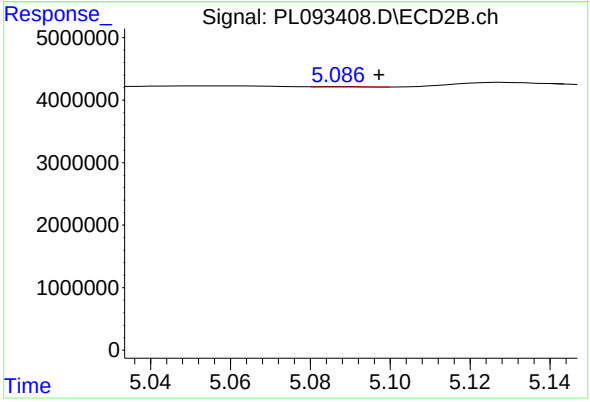
#8 Heptachlor epoxide

R.T.: 4.733 min
Delta R.T.: 0.005 min
Response: 157002
Conc: 0.04 ng/ml



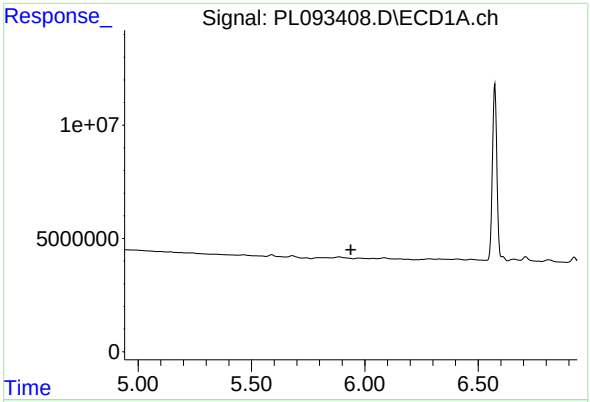
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

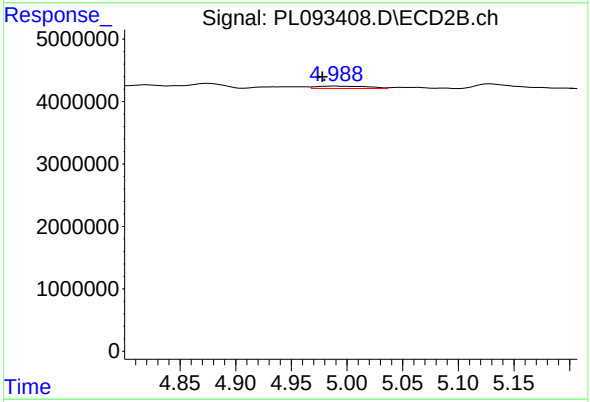
R.T.: 5.088 min
Delta R.T.: -0.010 min
Response: 64859
Conc: 0.02 ng/ml



#10 gamma-Chlordane

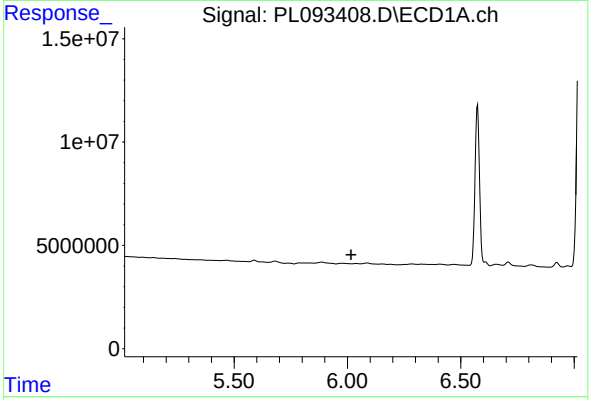
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



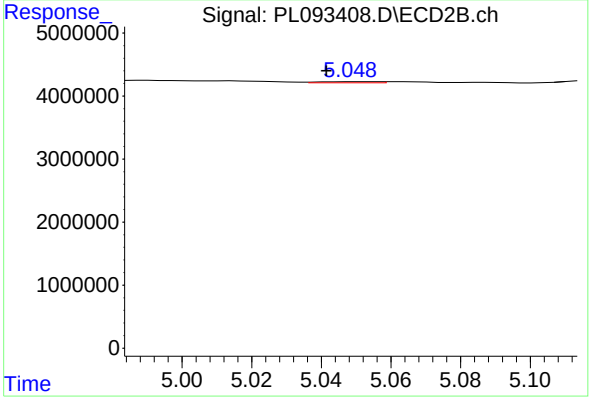
#10 gamma-Chlordane

R.T.: 4.989 min
Delta R.T.: 0.012 min
Response: 1177402
Conc: 0.32 ng/ml



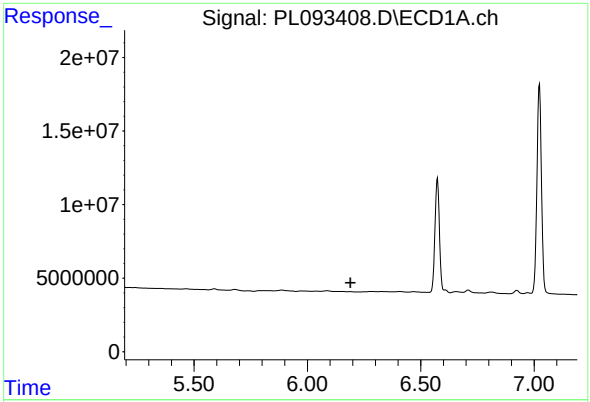
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

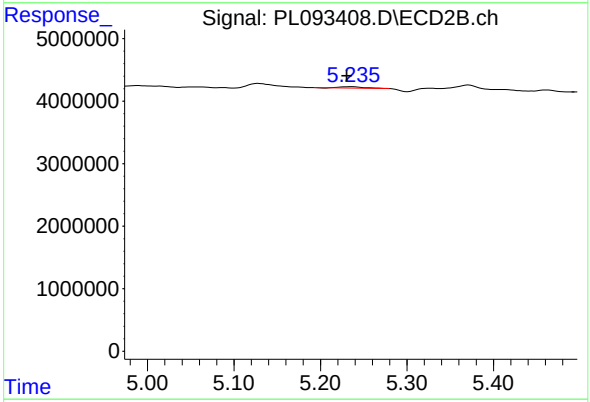
R.T.: 5.049 min
Delta R.T.: 0.008 min
Response: 209858
Conc: 0.06 ng/ml



#12 4,4'-DDE

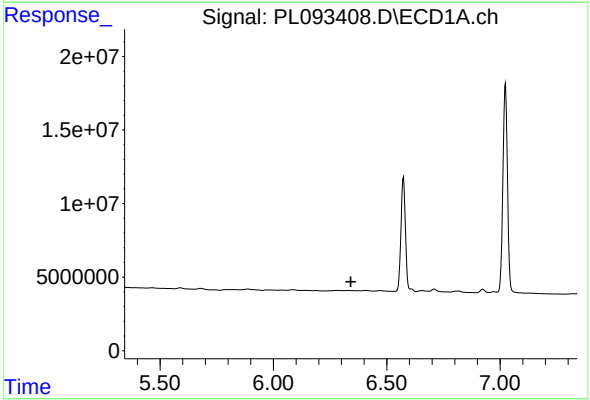
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



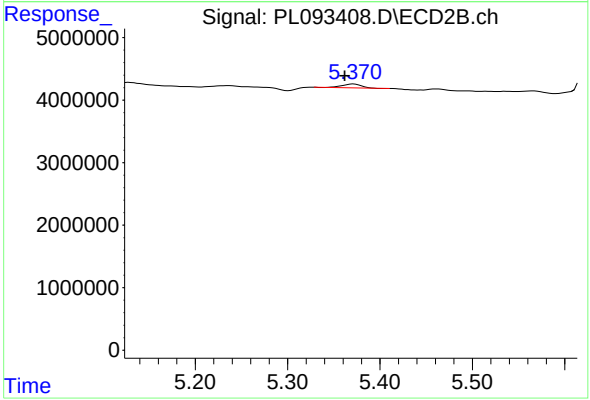
#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: 0.006 min
Response: 410497
Conc: 0.11 ng/ml



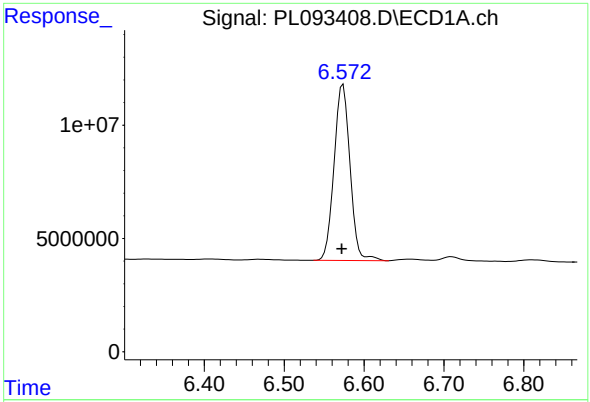
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

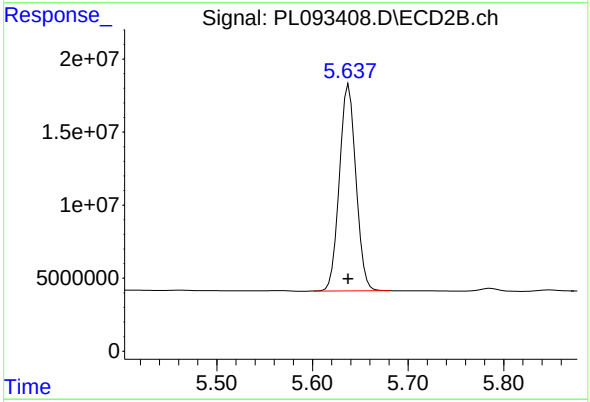
R.T.: 5.372 min
Delta R.T.: 0.010 min
Response: 852748
Conc: 0.23 ng/ml



#14 Endrin

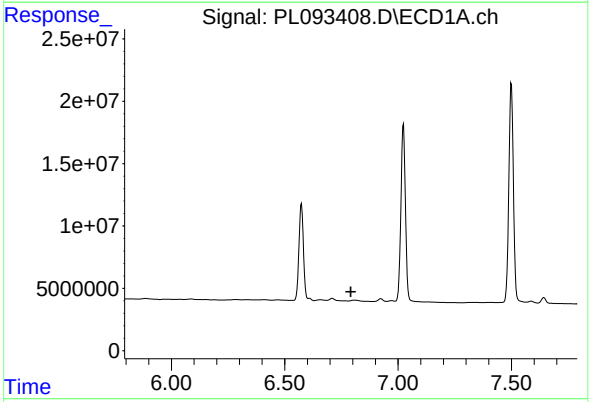
R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 107940492
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



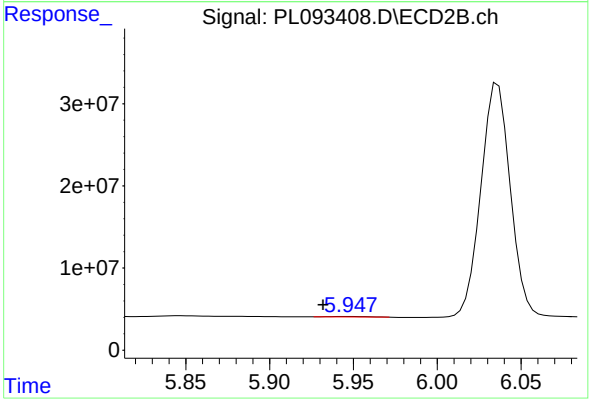
#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 170460029
Conc: 53.45 ng/ml



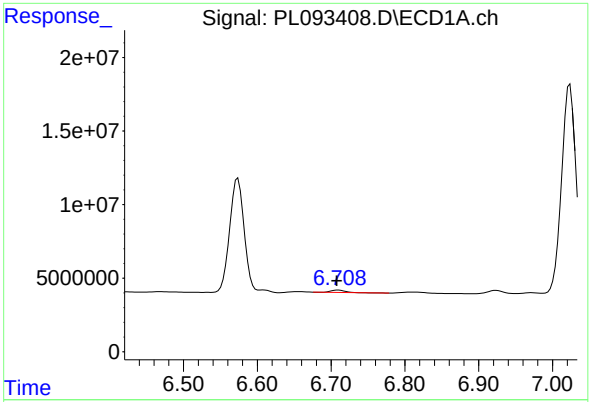
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

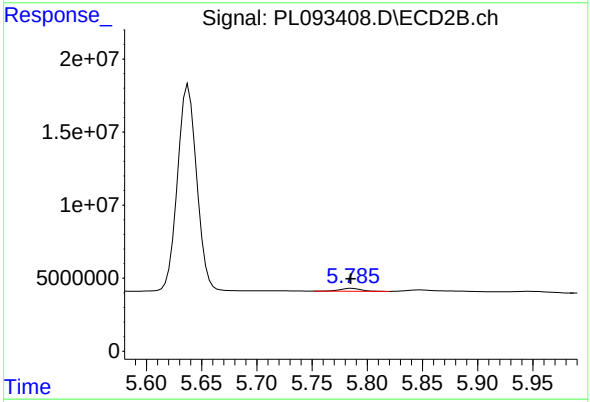
R.T.: 5.947 min
Delta R.T.: 0.015 min
Response: 806657
Conc: 0.25 ng/ml



#16 4,4'-DDD

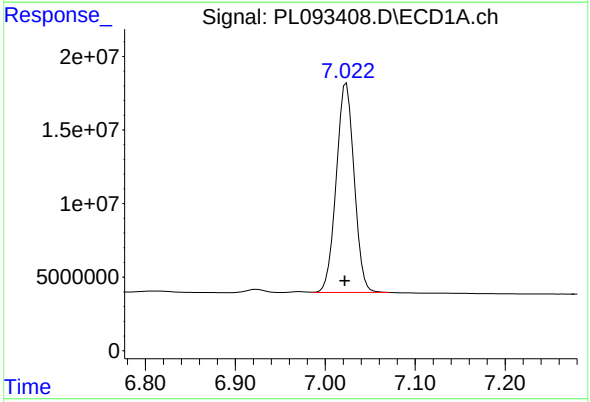
R.T.: 6.709 min
Delta R.T.: 0.002 min
Response: 2202097
Conc: 1.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



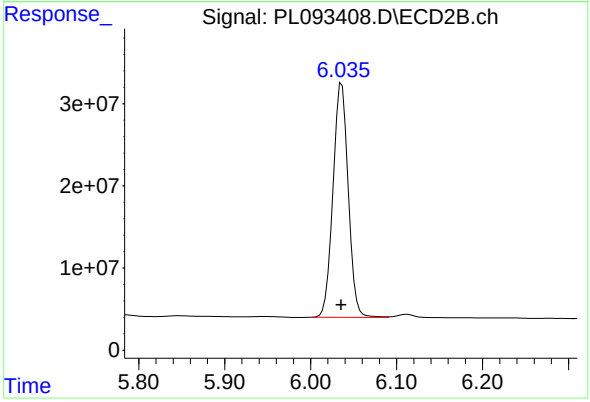
#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 2599930
Conc: 0.93 ng/ml



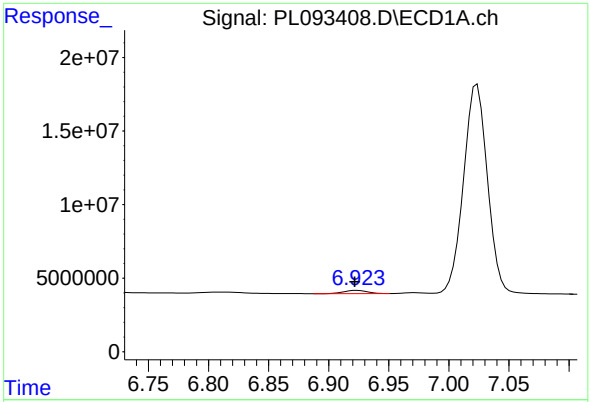
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 196788168
Conc: 102.08 ng/ml



#17 4,4'-DDT

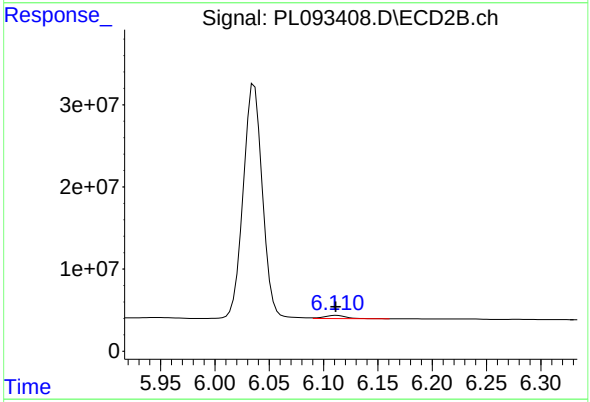
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 350776153
Conc: 118.43 ng/ml



#18 Endrin aldehyde

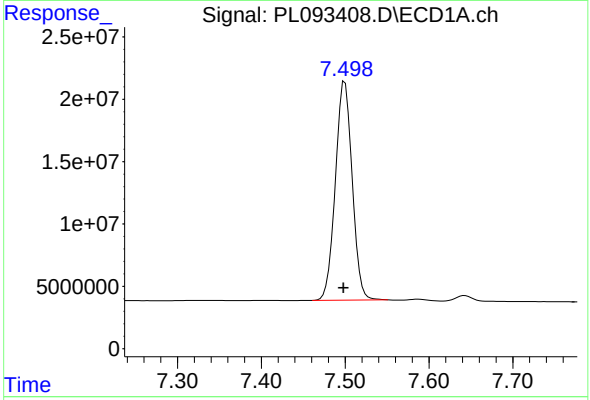
R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 3005248
Conc: 1.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



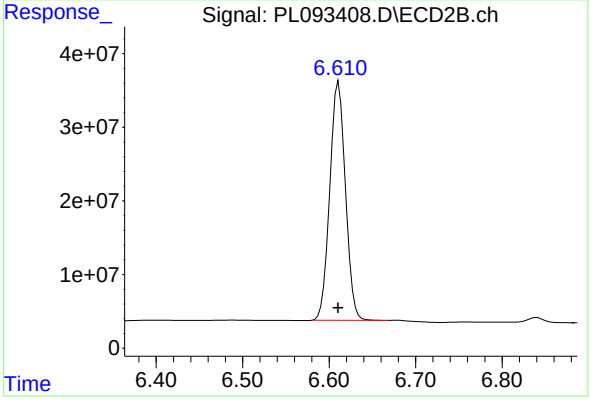
#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 5398801
Conc: 2.06 ng/ml



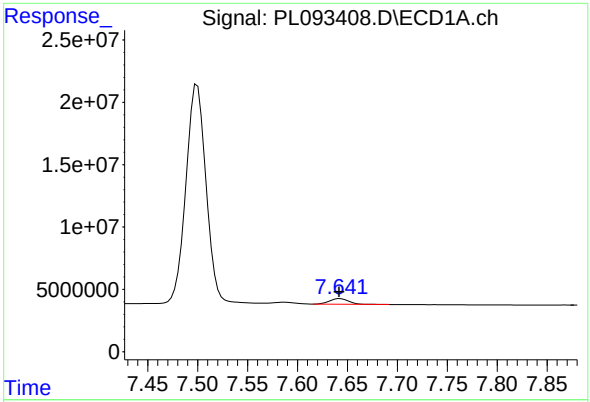
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 244809830
Conc: 234.29 ng/ml



#20 Methoxychlor

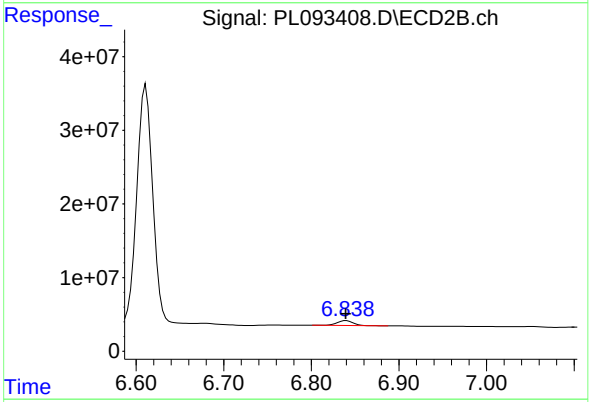
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 406412017
Conc: 266.16 ng/ml



#21 Endrin ketone

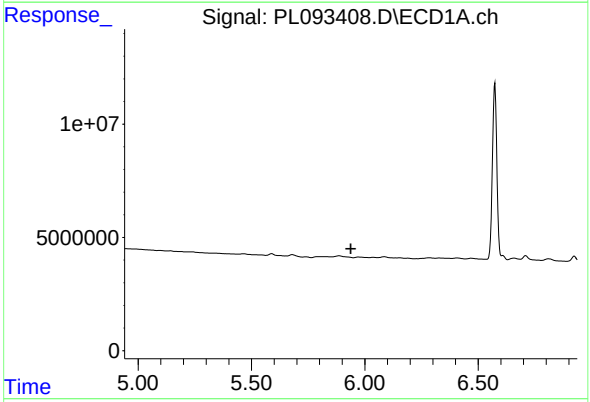
R.T.: 7.643 min
Delta R.T.: 0.001 min
Response: 5935090
Conc: 2.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



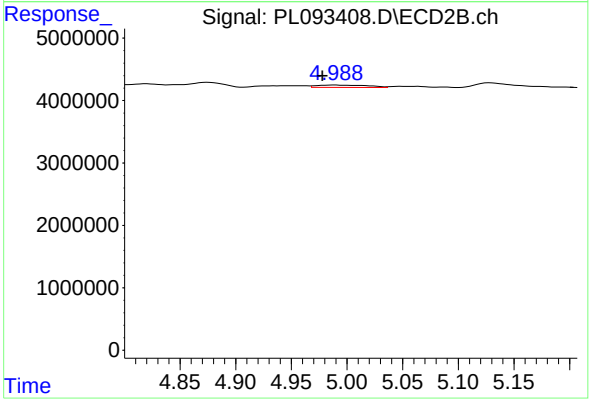
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 8156132
Conc: 2.43 ng/ml



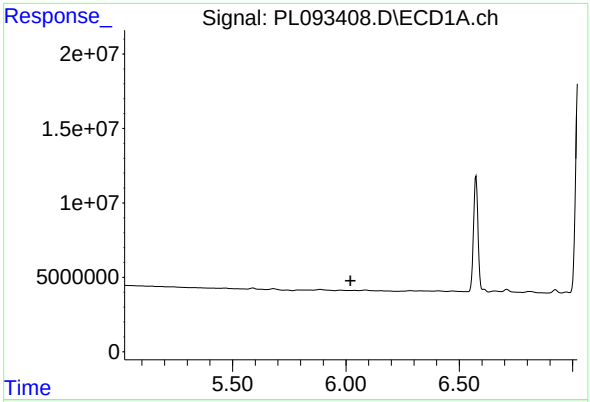
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

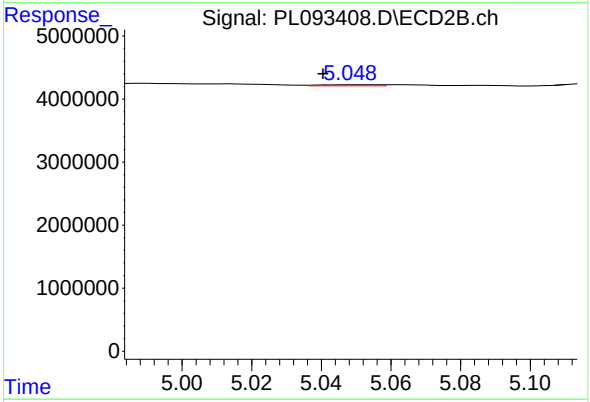
R.T.: 4.989 min
Delta R.T.: 0.011 min
Response: 1177402
Conc: 2.93 ng/ml



#26 Chlordane-4

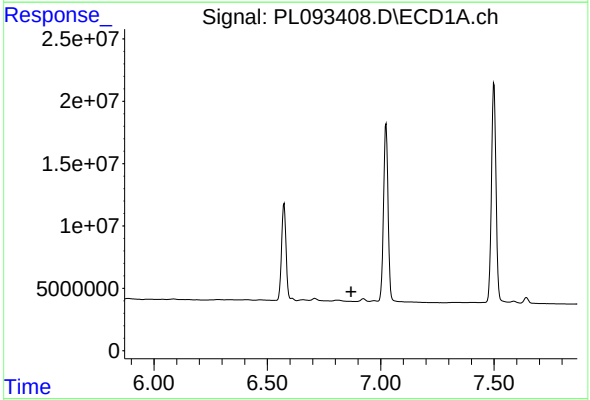
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



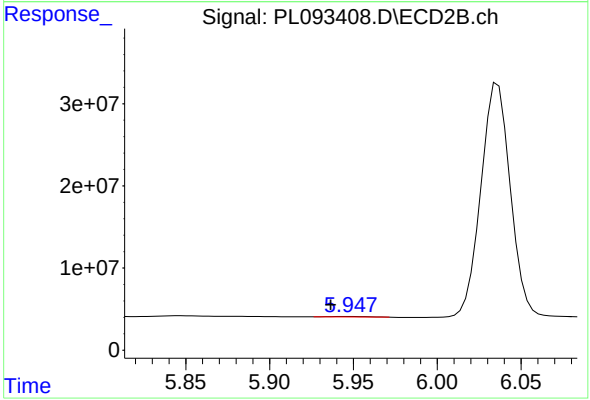
#26 Chlordane-4

R.T.: 5.049 min
Delta R.T.: 0.009 min
Response: 209858
Conc: 0.54 ng/ml



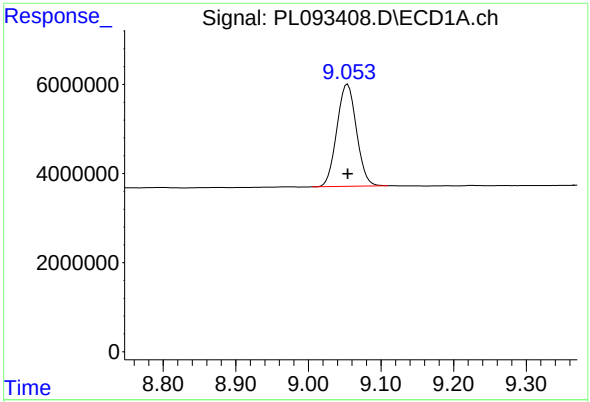
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

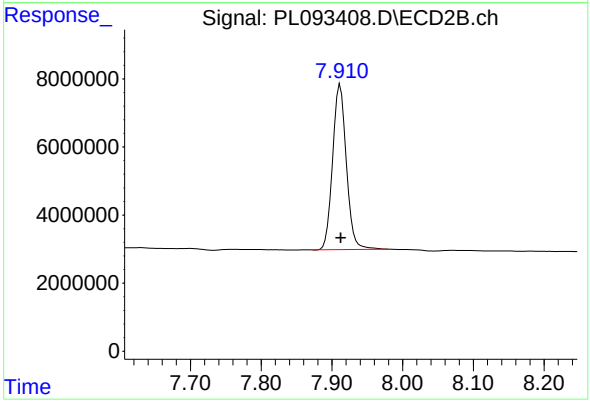
R.T.: 5.947 min
Delta R.T.: 0.011 min
Response: 806657
Conc: 5.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 43089222
Conc: 24.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 65553993
Conc: 22.95 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	138.1E6	160.0E6	53.144	55.474	
28)	SA Decachlor...	9.058	7.914	100.6E6	164.2E6	57.885	57.466	
	Target Compounds							
2)	A alpha-BHC	3.997	3.279	192.9E6	243.3E6	54.057	56.985	
3)	MA gamma-BHC...	4.329	3.609	182.2E6	236.0E6	53.918	57.011	
4)	MA Heptachlor	4.918	3.947	161.3E6	229.6E6	52.777	56.742	
5)	MB Aldrin	5.259	4.227	158.7E6	225.5E6	52.761	56.672	
6)	B beta-BHC	4.527	3.909	78989177	97980879	52.320	55.080	
7)	B delta-BHC	4.774	4.138	172.2E6	237.4E6	52.052	55.651	
8)	B Heptachlo...	5.685	4.730	144.3E6	204.9E6	51.954	56.270	
9)	A Endosulfan I	6.071	5.099	127.6E6	170.2E6	52.438	50.907	
10)	B gamma-Chl...	5.942	4.980	135.8E6	207.9E6	52.708	56.106	
11)	B alpha-Chl...	6.021	5.043	136.1E6	204.7E6	52.536	56.396	
12)	B 4,4'-DDE	6.195	5.232	123.7E6	201.4E6	52.891	56.251	
13)	MA Dieldrin	6.347	5.364	134.9E6	209.9E6	52.614	56.948	
14)	MA Endrin	6.576	5.639	123.7E6	186.1E6	58.993	58.342	
15)	B Endosulfa...	6.796	5.934	115.8E6	181.3E6	53.095	57.225	
16)	A 4,4'-DDD	6.712	5.787	99538303	159.8E6	54.325	56.988	
17)	MA 4,4'-DDT	7.026	6.037	105.0E6	171.0E6	54.443	57.720	
18)	B Endrin al...	6.926	6.113	95456162	144.4E6	52.837	55.053	
19)	B Endosulfa...	7.161	6.337	109.9E6	170.9E6	53.015	56.225	
20)	A Methoxychlor	7.502	6.612	57843346	89876338	55.359	58.860	
21)	B Endrin ke...	7.646	6.842	123.2E6	195.0E6	54.293	58.092	
22)	Mirex	8.119	7.022	99771159	157.7E6	55.237	58.702	
23)	Chlordane-1	0.000	3.770	0	61218	N.D.	0.527	#
24)	Chlordane-2	0.000	4.366f	0	7283741	N.D.	54.358	#
25)	Chlordane-3	5.942	4.980	135.8E6	207.9E6	356.203	517.348	#
26)	Chlordane-4	6.021	5.043	136.1E6	204.7E6	292.851	524.886	#
27)	Chlordane-5	0.000	5.934	0	181.3E6	N.D.	1323.450	#

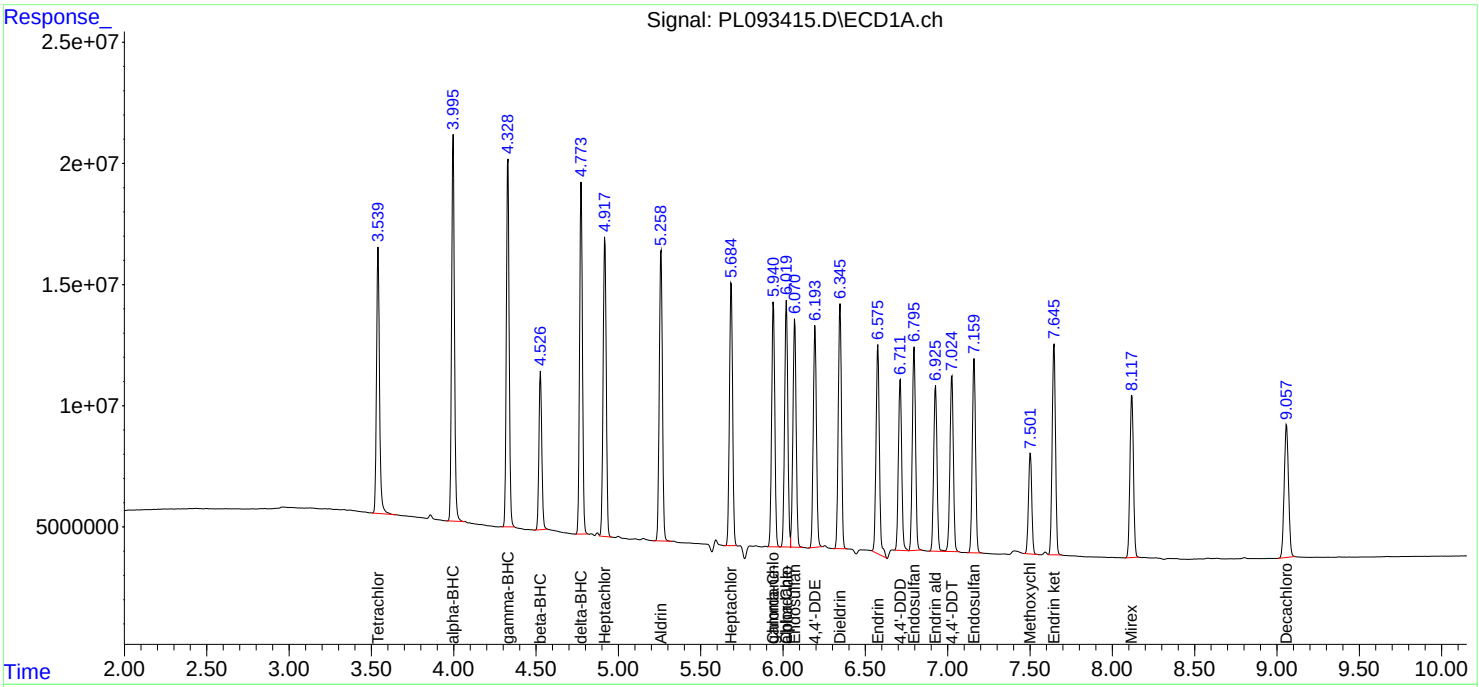
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

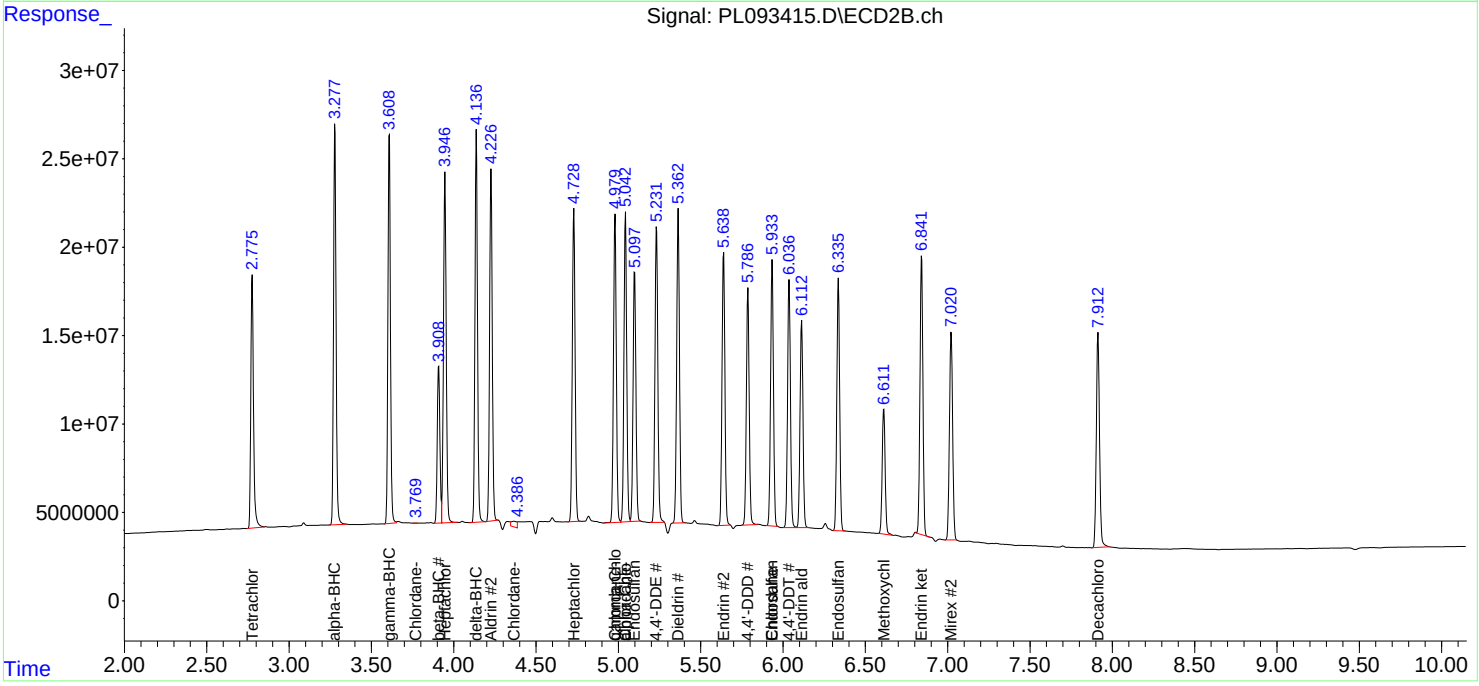
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

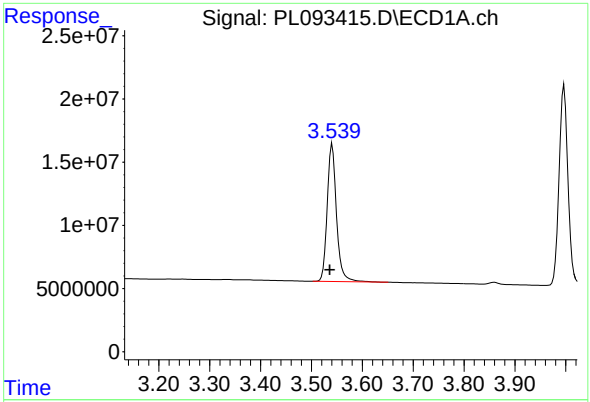
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



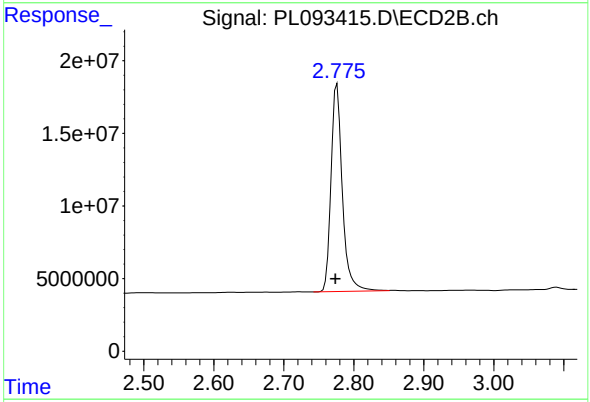




#1 Tetrachloro-m-xylene

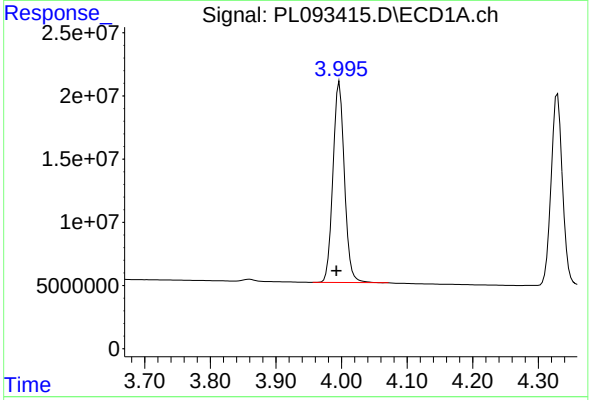
R.T.: 3.541 min
Delta R.T.: 0.005 min
Response: 138118987
Conc: 53.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



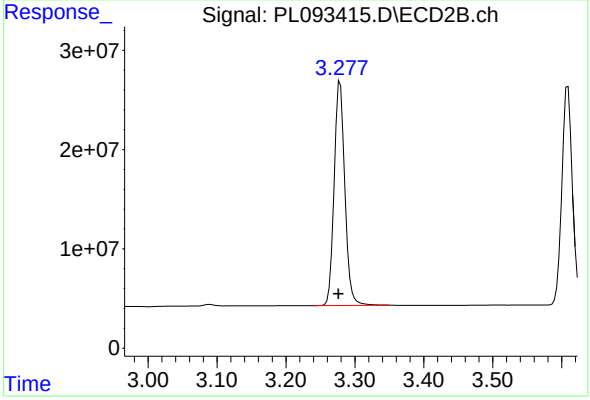
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 159989356
Conc: 55.47 ng/ml



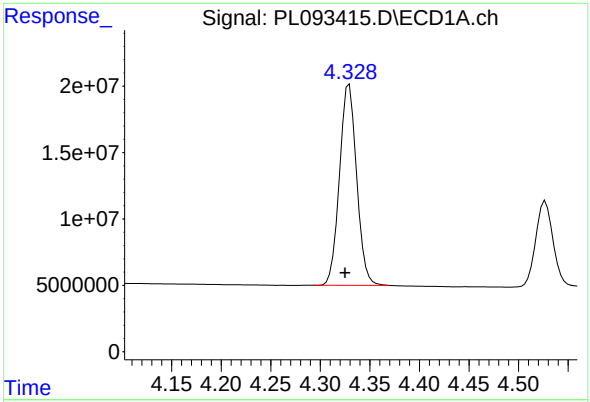
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.005 min
Response: 192899418
Conc: 54.06 ng/ml



#2 alpha-BHC

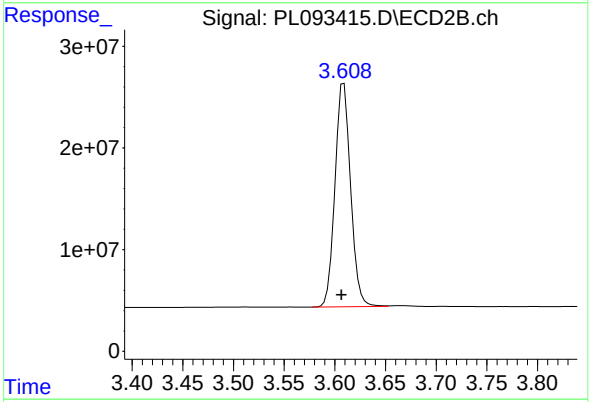
R.T.: 3.279 min
Delta R.T.: 0.002 min
Response: 243294028
Conc: 56.99 ng/ml



#3 gamma-BHC (Lindane)

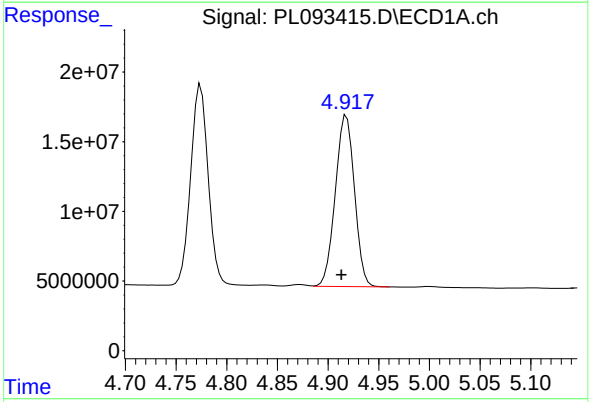
R.T.: 4.329 min
Delta R.T.: 0.004 min
Response: 182170002
Conc: 53.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



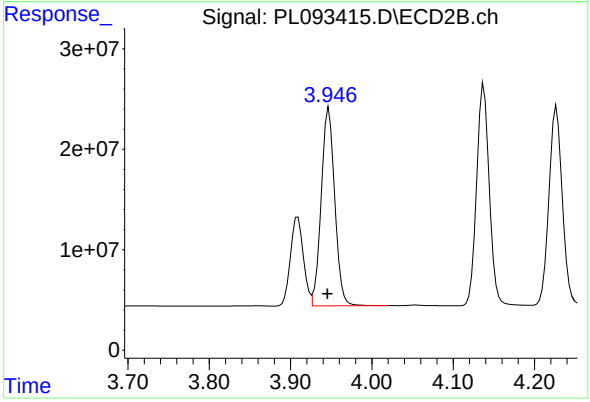
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.003 min
Response: 236010757
Conc: 57.01 ng/ml



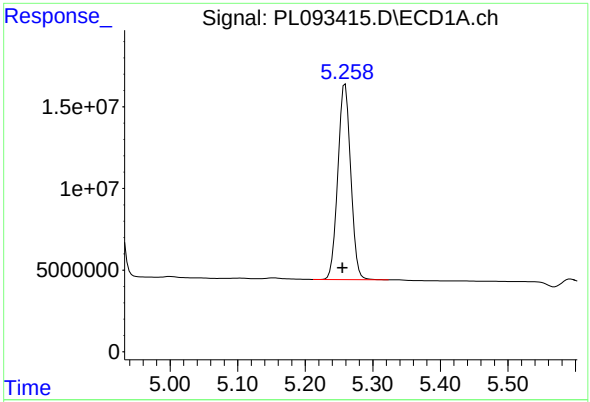
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.005 min
Response: 161292984
Conc: 52.78 ng/ml



#4 Heptachlor

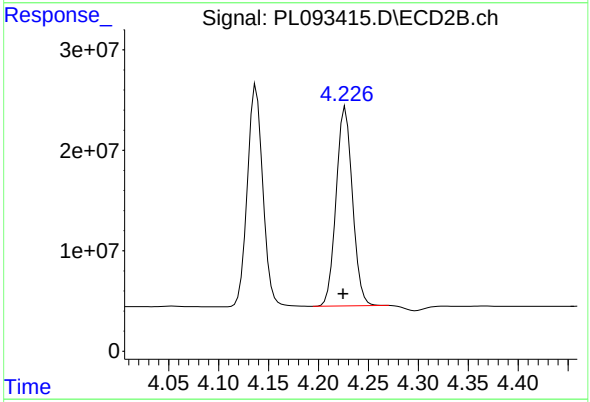
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 229551706
Conc: 56.74 ng/ml



#5 Aldrin

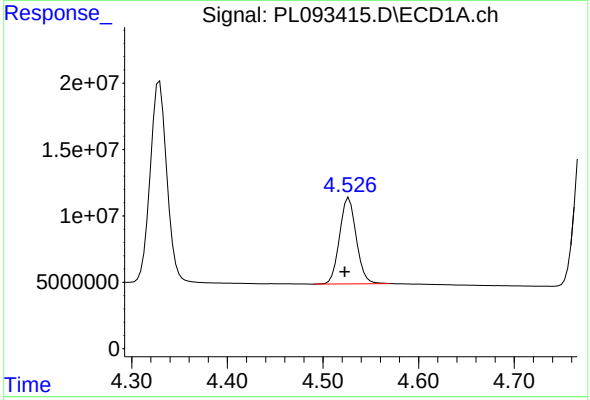
R.T.: 5.259 min
Delta R.T.: 0.004 min
Response: 158659773
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



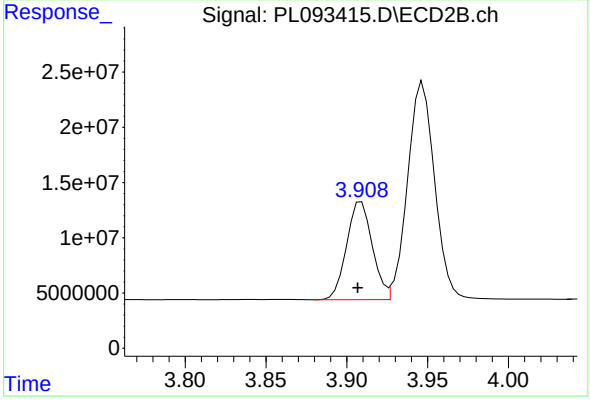
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 225489805
Conc: 56.67 ng/ml



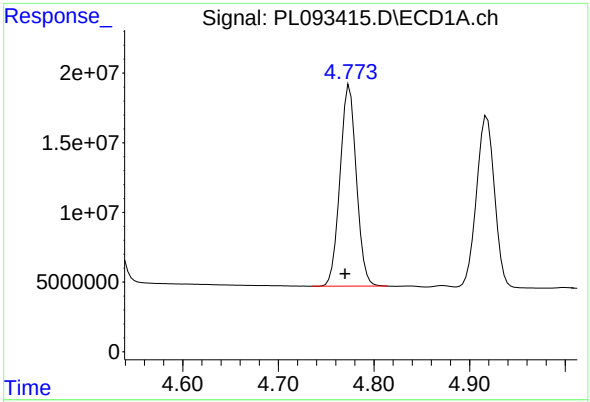
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.004 min
Response: 78989177
Conc: 52.32 ng/ml



#6 beta-BHC

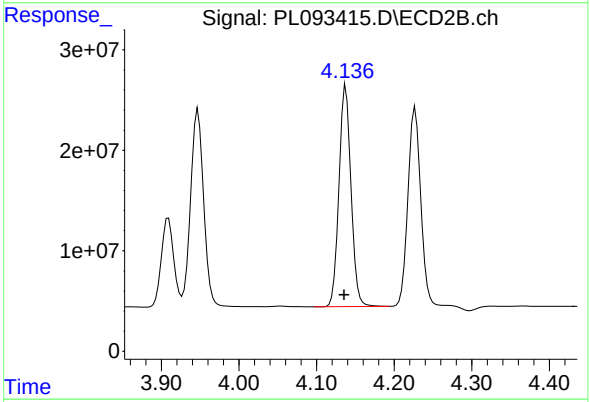
R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 97980879
Conc: 55.08 ng/ml



#7 delta-BHC

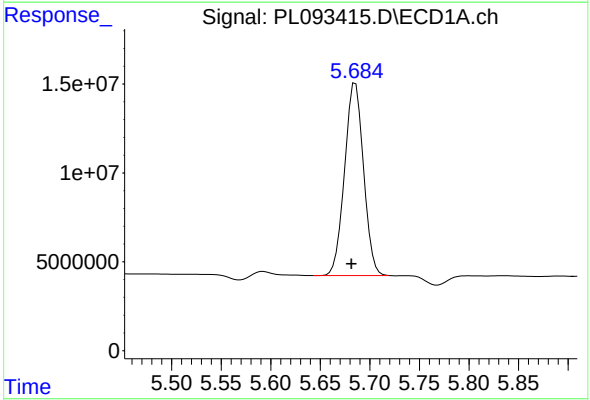
R.T.: 4.774 min
Delta R.T.: 0.005 min
Response: 172220553
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



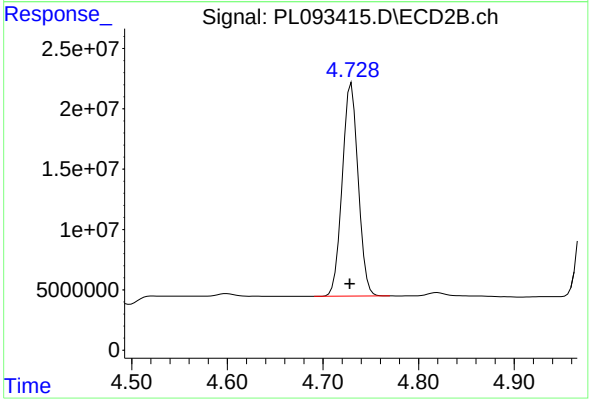
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.002 min
Response: 237433534
Conc: 55.65 ng/ml



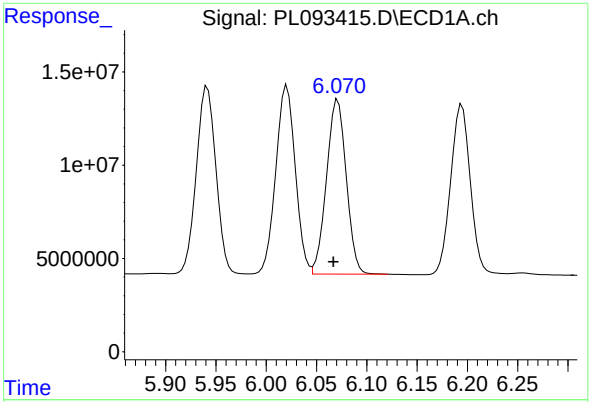
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.004 min
Response: 144260856
Conc: 51.95 ng/ml



#8 Heptachlor epoxide

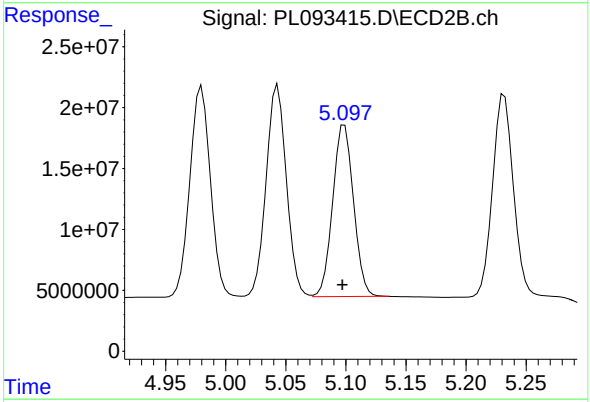
R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 204946286
Conc: 56.27 ng/ml



#9 Endosulfan I

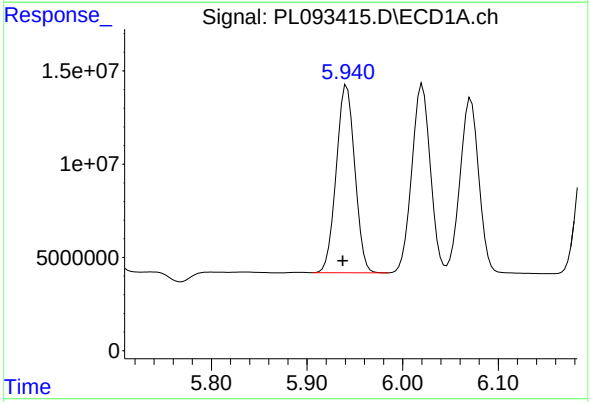
R.T.: 6.071 min
Delta R.T.: 0.004 min
Response: 127643598
Conc: 52.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



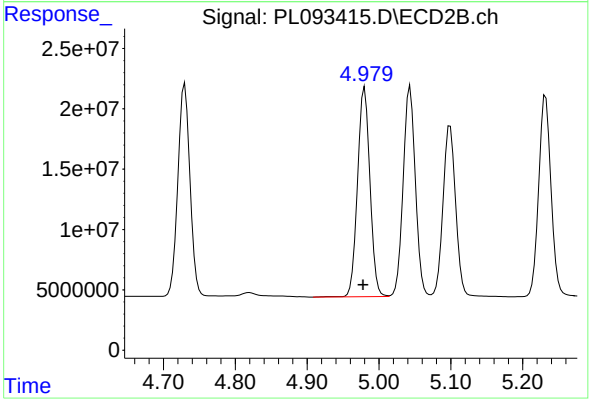
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 170181500
Conc: 50.91 ng/ml



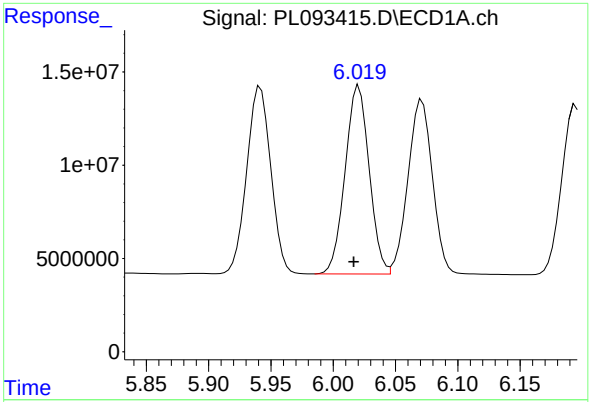
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.004 min
Response: 135792738
Conc: 52.71 ng/ml



#10 gamma-Chlordane

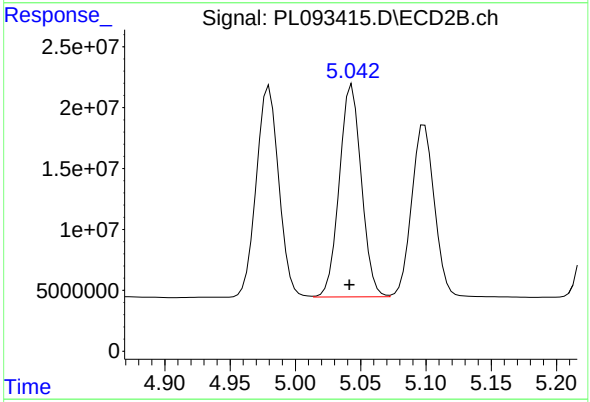
R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 207877770
Conc: 56.11 ng/ml



#11 alpha-Chlordane

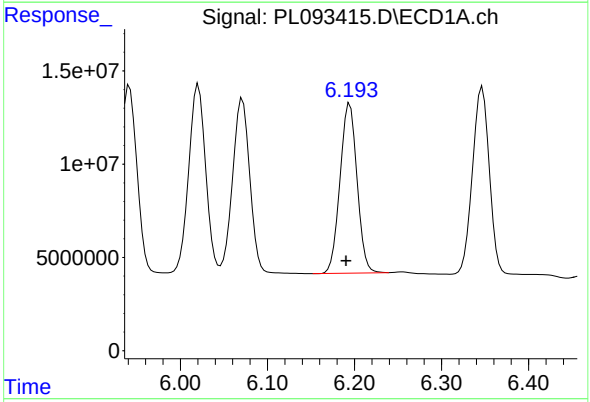
R.T.: 6.021 min
Delta R.T.: 0.004 min
Response: 136124261
Conc: 52.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



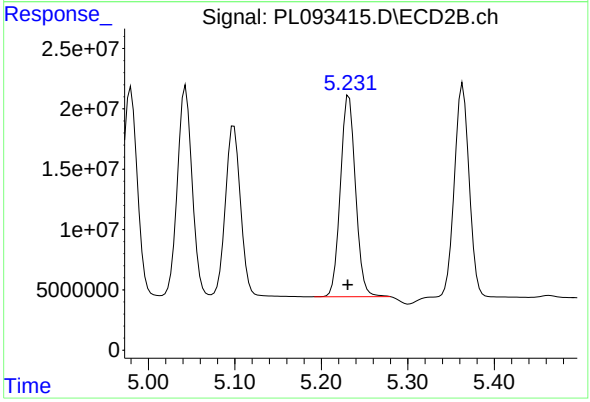
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 204732445
Conc: 56.40 ng/ml



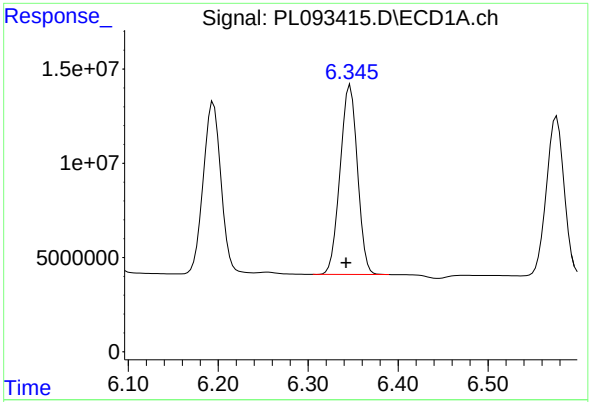
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.004 min
Response: 123728383
Conc: 52.89 ng/ml



#12 4,4'-DDE

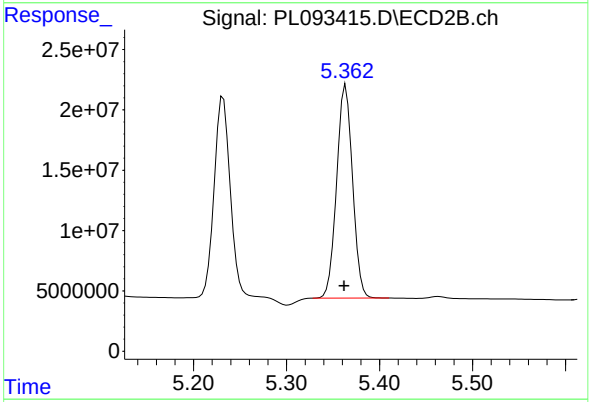
R.T.: 5.232 min
Delta R.T.: 0.001 min
Response: 201380428
Conc: 56.25 ng/ml



#13 Dieldrin

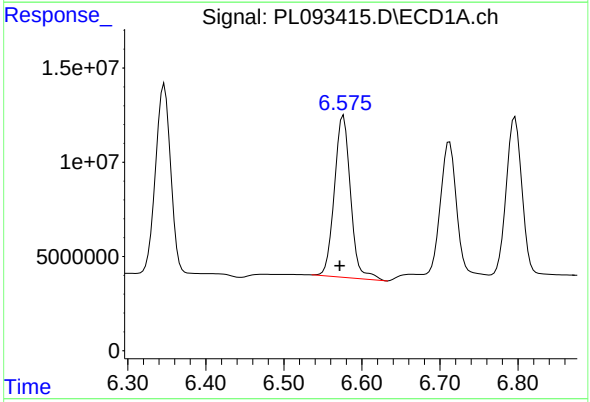
R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 134858733
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



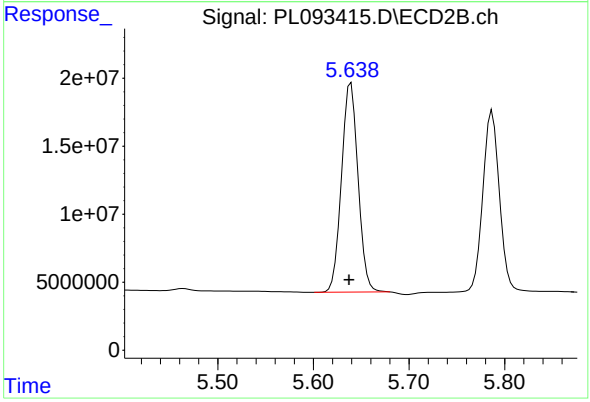
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 209882100
Conc: 56.95 ng/ml



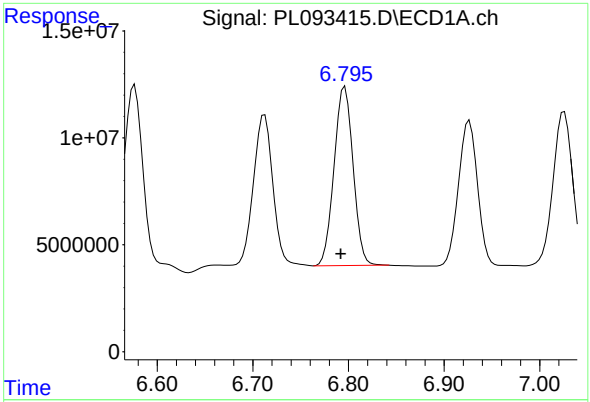
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.005 min
Response: 123735640
Conc: 58.99 ng/ml



#14 Endrin

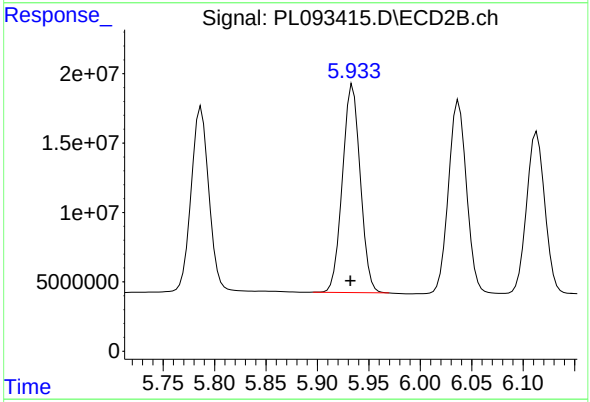
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 186069252
Conc: 58.34 ng/ml



#15 Endosulfan II

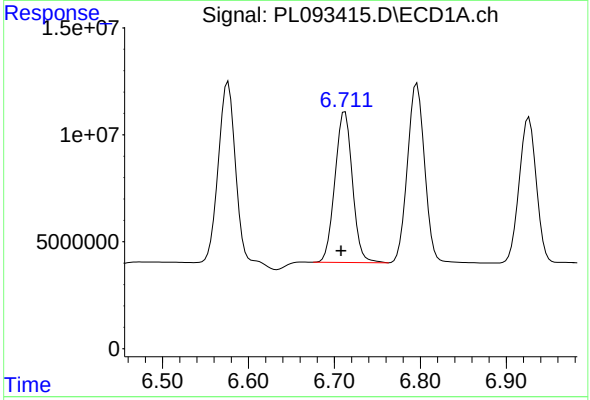
R.T.: 6.796 min
Delta R.T.: 0.004 min
Response: 115773458
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



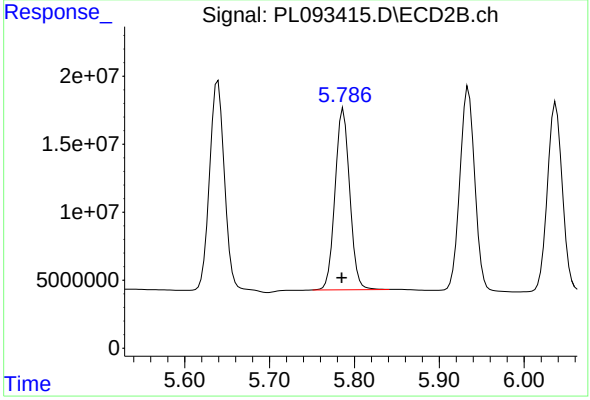
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 181345069
Conc: 57.22 ng/ml



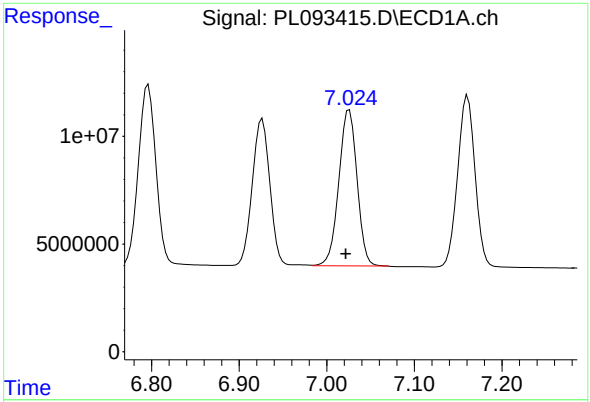
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.004 min
Response: 99538303
Conc: 54.32 ng/ml



#16 4,4'-DDD

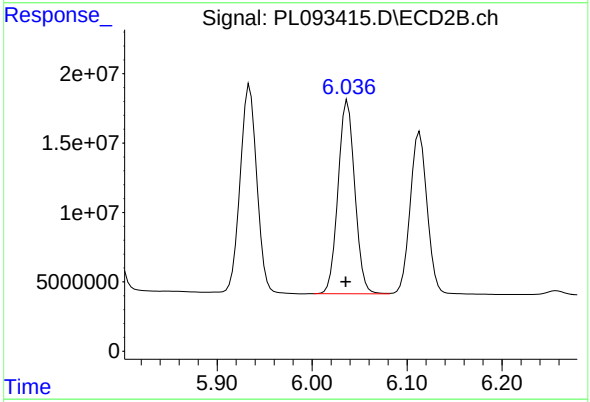
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 159762508
Conc: 56.99 ng/ml



#17 4,4'-DDT

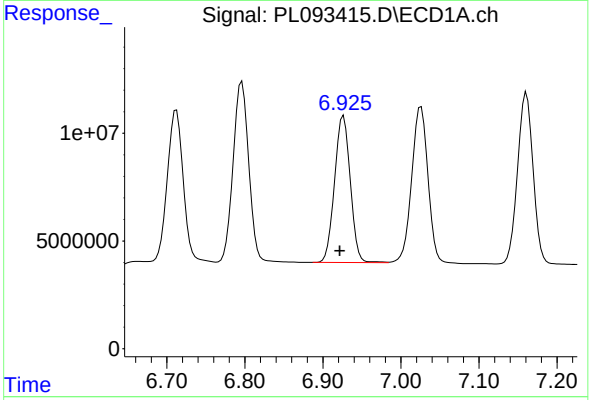
R.T.: 7.026 min
Delta R.T.: 0.004 min
Response: 104957340
Conc: 54.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



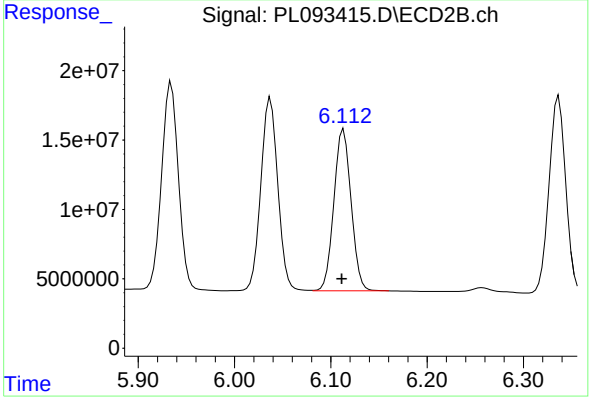
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.002 min
Response: 170954695
Conc: 57.72 ng/ml



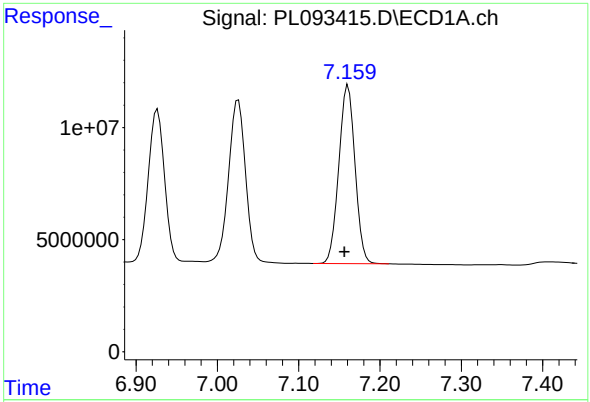
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.005 min
Response: 95456162
Conc: 52.84 ng/ml



#18 Endrin aldehyde

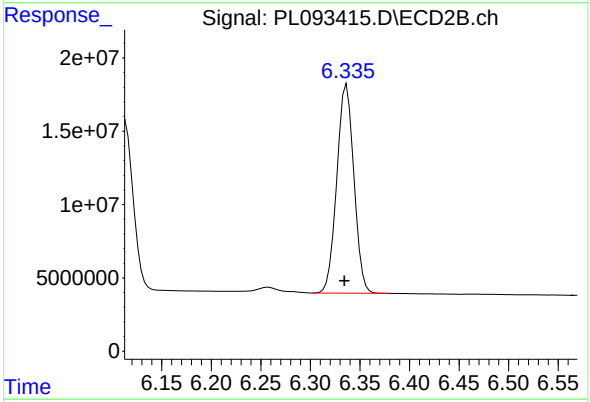
R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 144368286
Conc: 55.05 ng/ml



#19 Endosulfan Sulfate

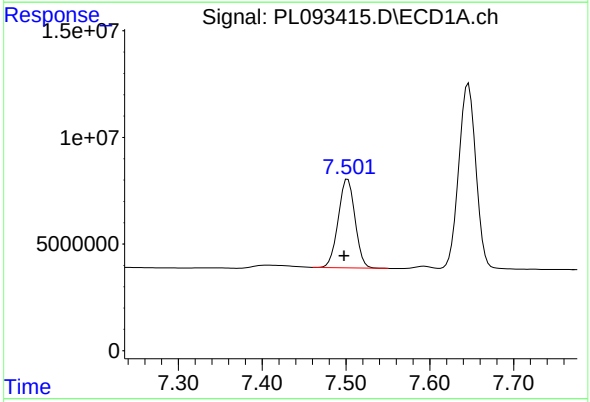
R.T.: 7.161 min
Delta R.T.: 0.005 min
Response: 109882419
Conc: 53.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



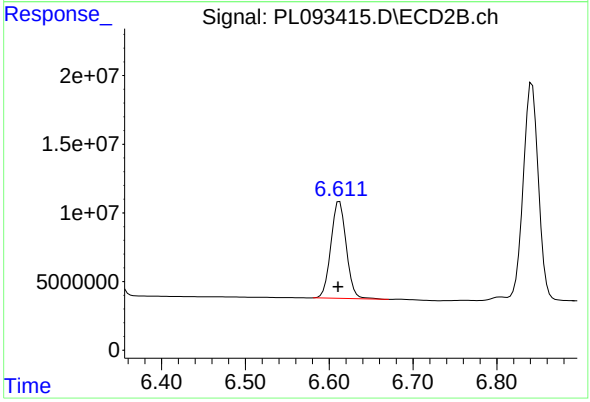
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.002 min
Response: 170905433
Conc: 56.23 ng/ml



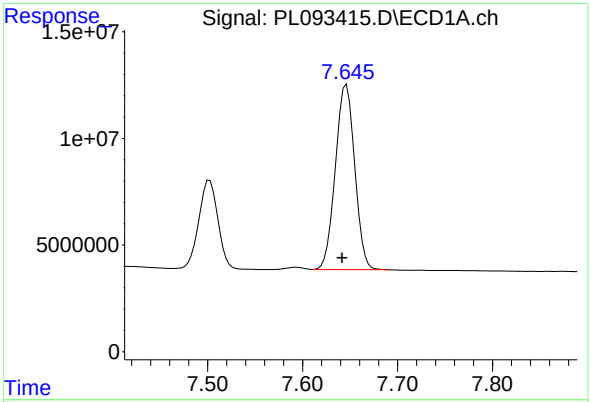
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 57843346
Conc: 55.36 ng/ml



#20 Methoxychlor

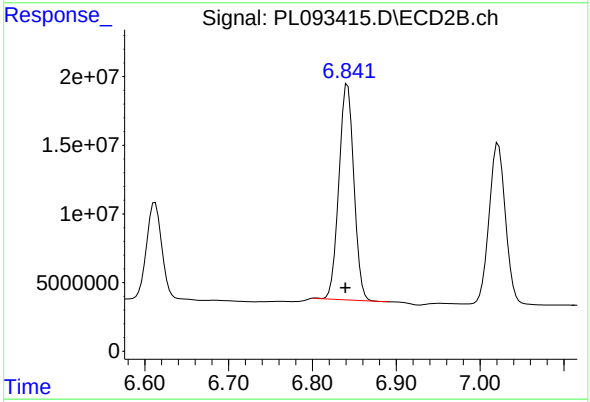
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 89876338
Conc: 58.86 ng/ml



#21 Endrin ketone

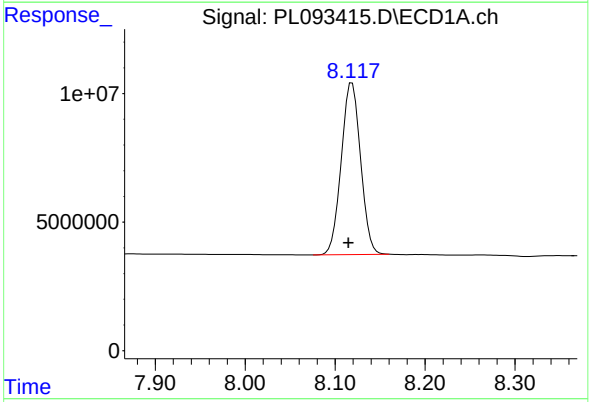
R.T.: 7.646 min
Delta R.T.: 0.005 min
Response: 123205303
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



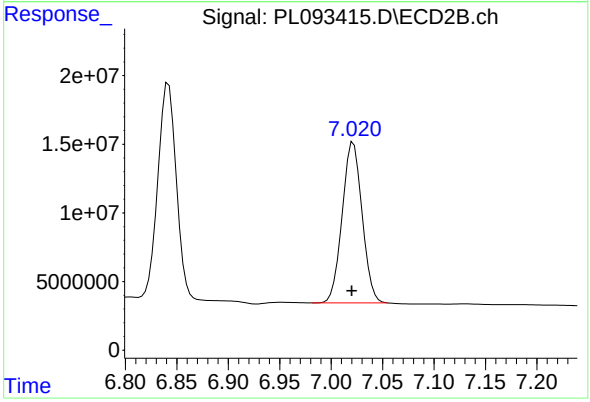
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 195015710
Conc: 58.09 ng/ml



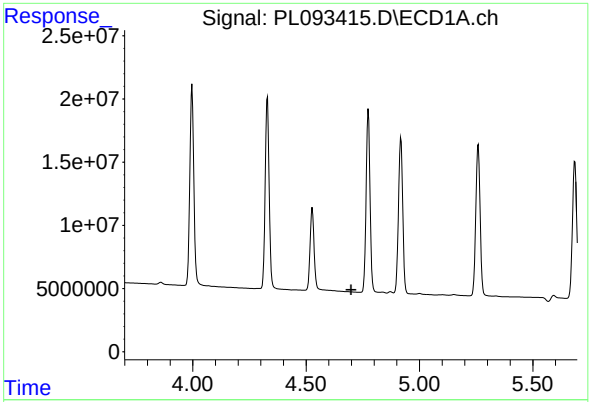
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 99771159
Conc: 55.24 ng/ml



#22 Mirex

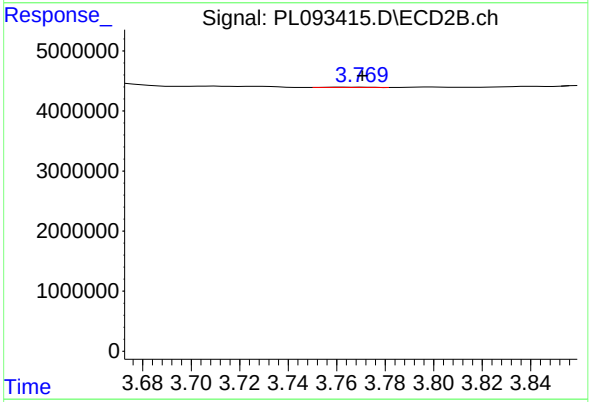
R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 157703869
Conc: 58.70 ng/ml



#23 Chlordane-1

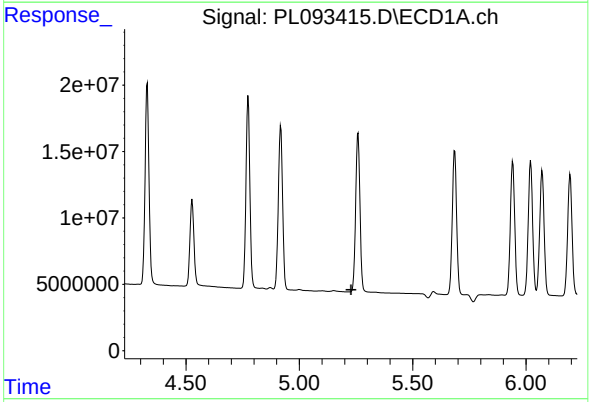
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



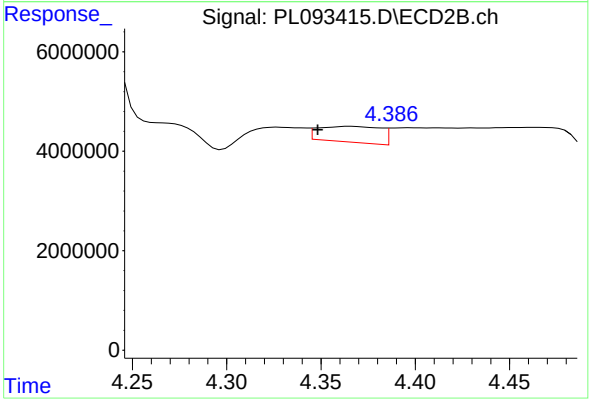
#23 Chlordane-1

R.T.: 3.770 min
Delta R.T.: 0.000 min
Response: 61218
Conc: 0.53 ng/ml



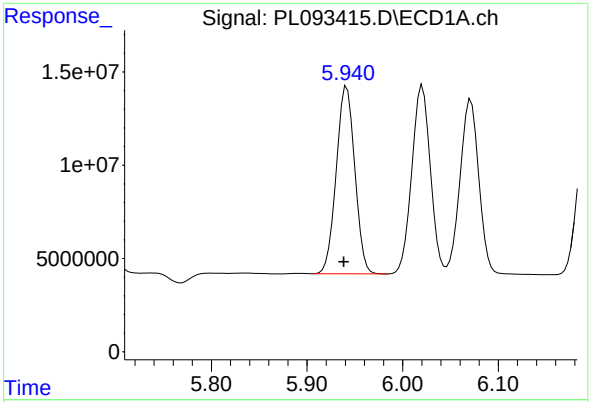
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.



#24 Chlordane-2

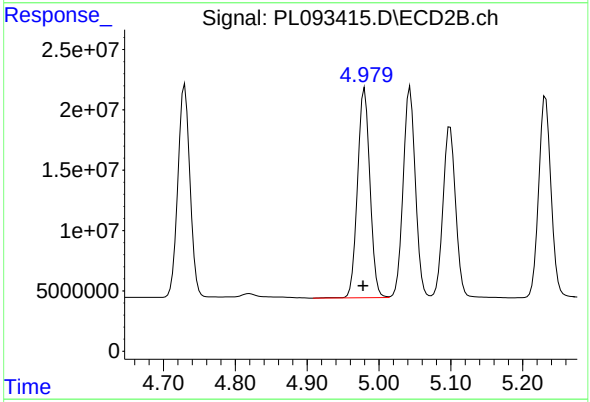
R.T.: 4.366 min
Delta R.T.: 0.018 min
Response: 7283741
Conc: 54.36 ng/ml



#25 Chlordane-3

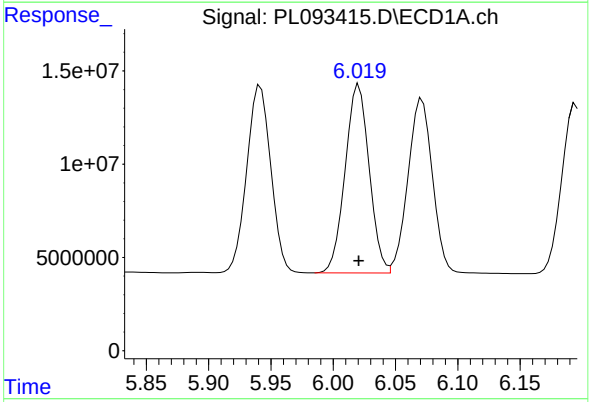
R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 135792738
Conc: 356.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



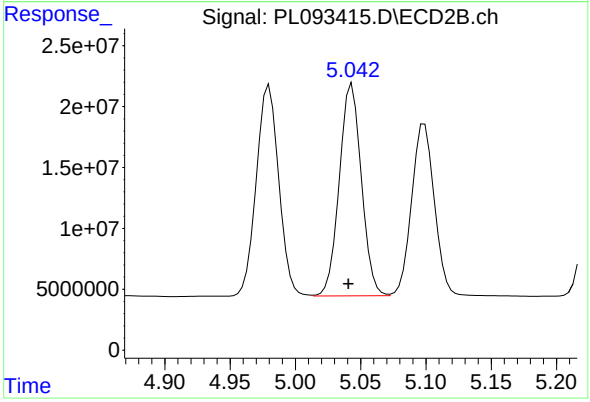
#25 Chlordane-3

R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 207877770
Conc: 517.35 ng/ml



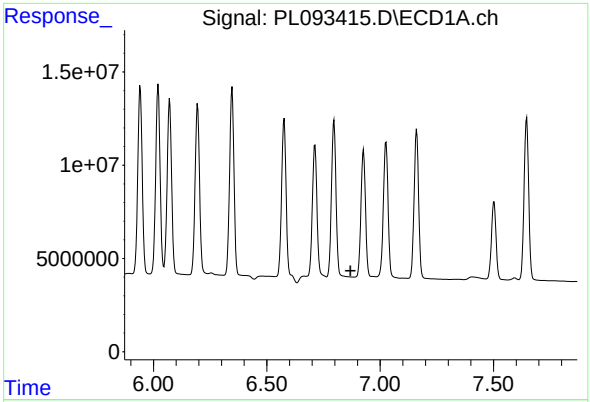
#26 Chlordane-4

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 136124261
Conc: 292.85 ng/ml



#26 Chlordane-4

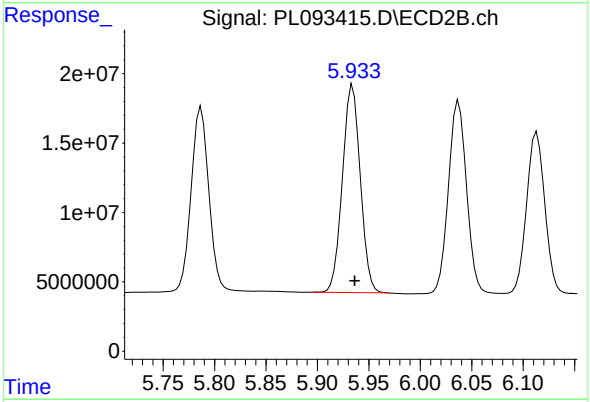
R.T.: 5.043 min
Delta R.T.: 0.003 min
Response: 204732445
Conc: 524.89 ng/ml



#27 Chlordane-5

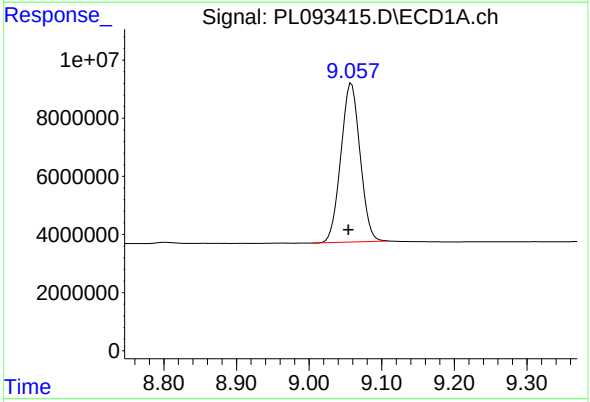
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



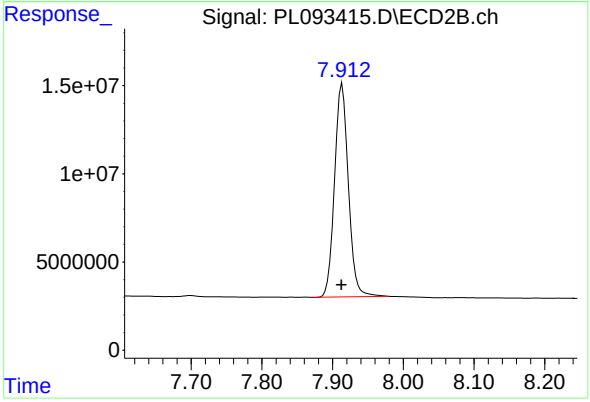
#27 Chlordane-5

R.T.: 5.934 min
Delta R.T.: -0.002 min
Response: 181345069
Conc: 1323.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 100634835
Conc: 57.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.001 min
Response: 164150131
Conc: 57.47 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:58
Operator : AR\AJ
Sample : P5306-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-VSL-07-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	103.9E6	63663558	39.987	22.075	#
28)	SA Decachlor...	9.056	7.913	38926117	59578333	22.390	20.857	
	Target Compounds							
2)	A alpha-BHC	0.000	3.269	0	247477	N.D.	0.058	#
4)	MA Heptachlor	0.000	3.953	0	523411	N.D.	0.129	#
5)	MB Aldrin	0.000	4.207f	0	896256	N.D.	0.225	#
6)	B beta-BHC	0.000	3.914	0	729332	N.D.	0.410	#
7)	B delta-BHC	0.000	4.123	0	383473	N.D.	0.090	#
8)	B Heptachlo...	0.000	4.710f	0	2112153	N.D.	0.580	#
9)	A Endosulfan I	0.000	5.127f	0	192693	N.D.	0.058	#
10)	B gamma-Chl...	0.000	4.998f	0	1245813	N.D.	0.336	#
11)	B alpha-Chl...	0.000	5.025f	0	497260	N.D.	0.137	#
12)	B 4,4'-DDE	0.000	5.225	0	84170	N.D.	0.024	#
13)	MA Dieldrin	0.000	5.377f	0	549539	N.D.	0.149	#
14)	MA Endrin	0.000	5.643	0	1755635	N.D.	0.550	#
15)	B Endosulfa...	0.000	5.962f	0	462039	N.D.	0.146	#
17)	MA 4,4'-DDT	0.000	6.039	0	821142	N.D.	0.277	#
21)	B Endrin ke...	7.665f	6.819f	3188546	1323254	1.405	0.394	#
22)	Mirex	0.000	7.003f	0	1299650	N.D.	0.484	#
23)	Chlordane-1	0.000	3.763	0	70137	N.D.	0.603	#
24)	Chlordane-2	0.000	4.363	0	1031890	N.D.	7.701	#
25)	Chlordane-3	0.000	4.998f	0	1245813	N.D.	3.100	#
26)	Chlordane-4	0.000	5.025	0	497260	N.D.	1.275	#
27)	Chlordane-5	0.000	5.962f	0	462039	N.D.	3.372	#

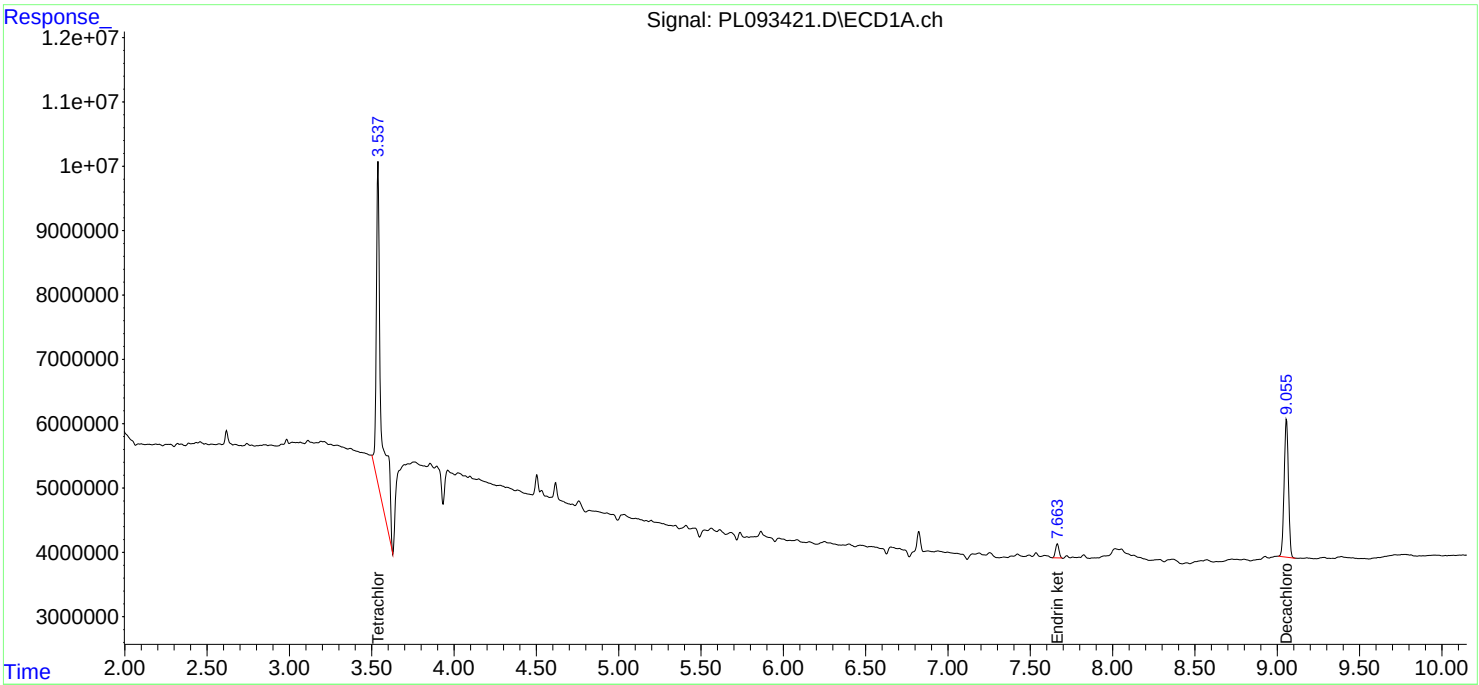
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

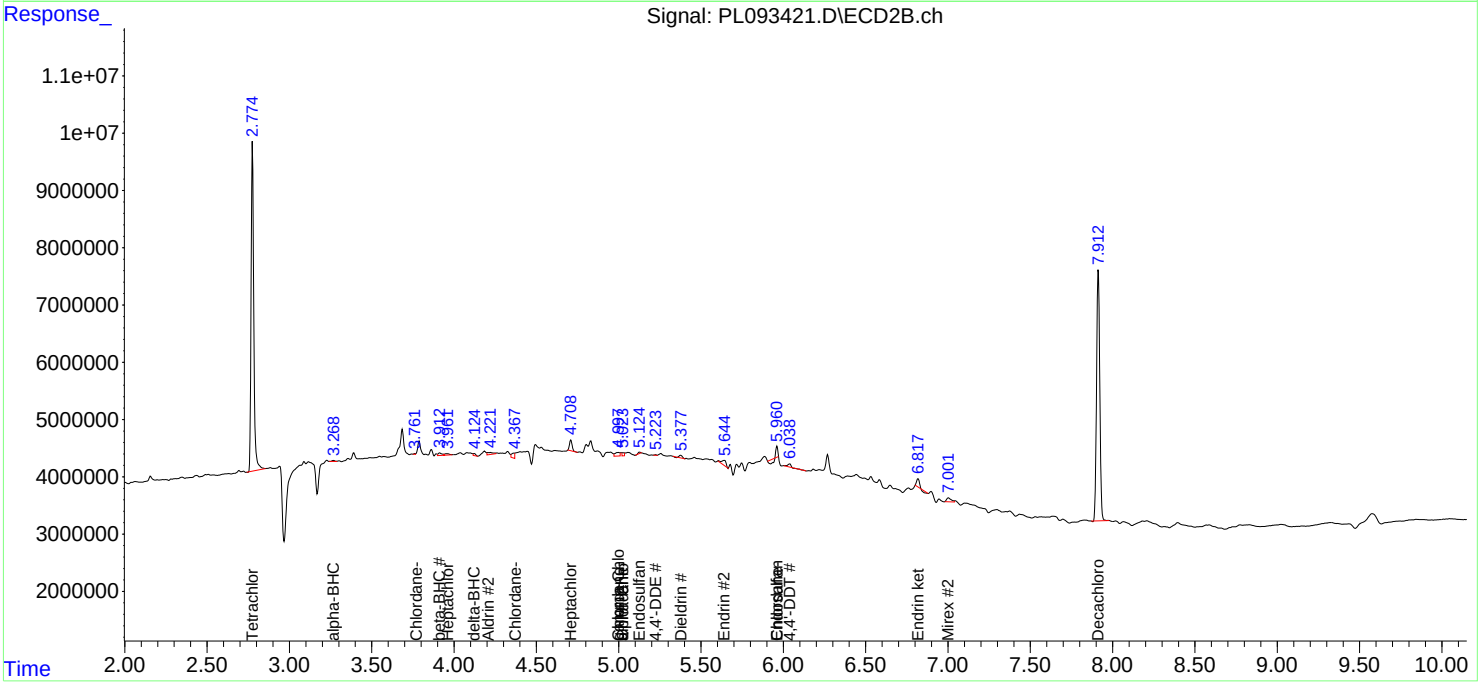
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:58
Operator : AR\AJ
Sample : P5306-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

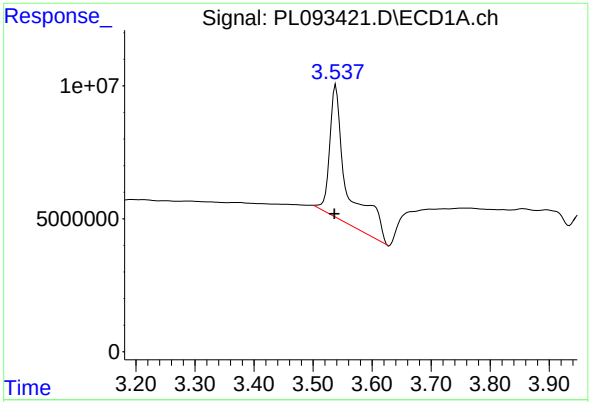
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:28:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



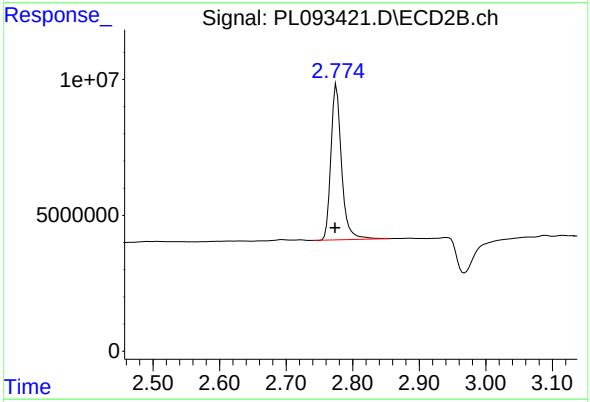




#1 Tetrachloro-m-xylene

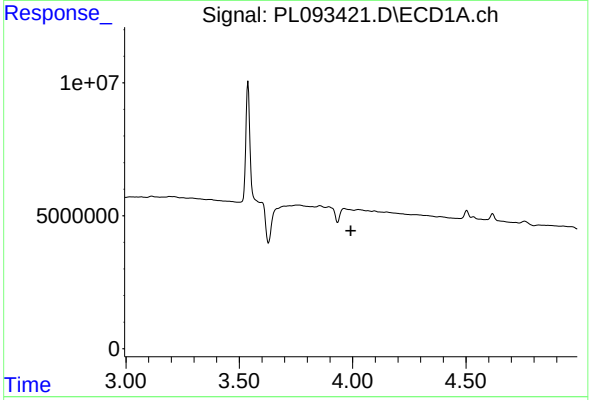
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 103924720
Conc: 39.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



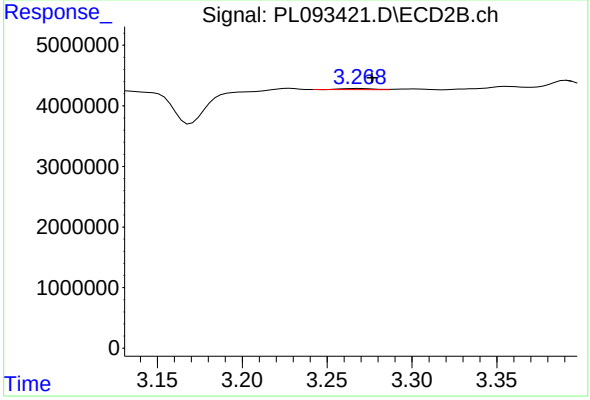
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 63663558
Conc: 22.07 ng/ml



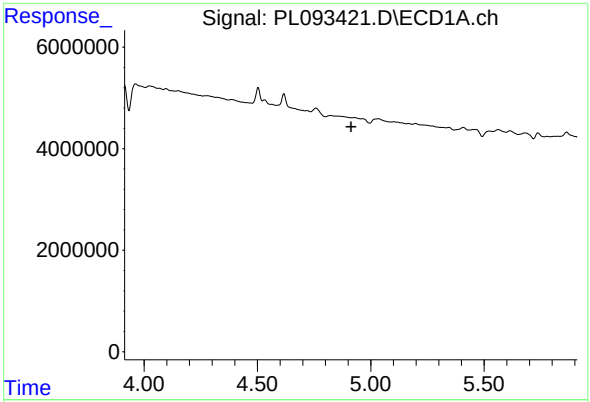
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

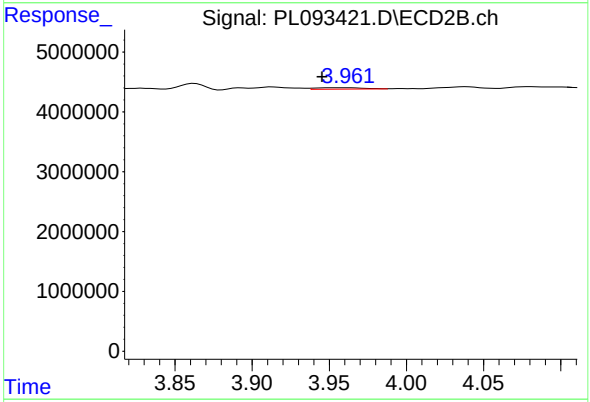
R.T.: 3.269 min
Delta R.T.: -0.007 min
Response: 247477
Conc: 0.06 ng/ml



#4 Heptachlor

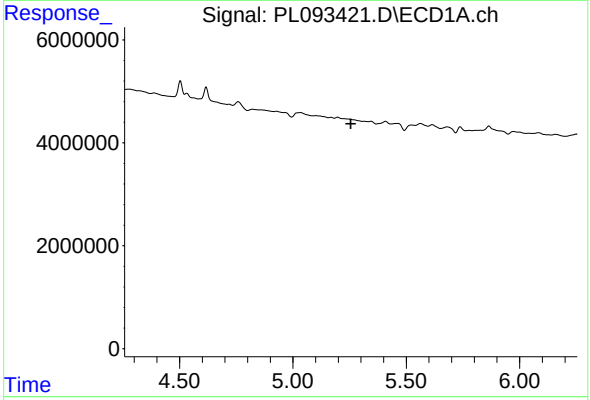
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



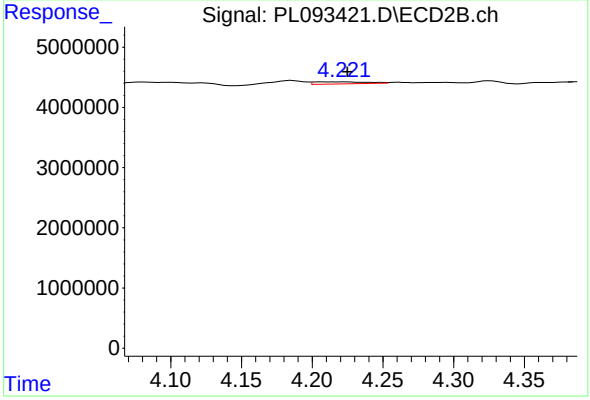
#4 Heptachlor

R.T.: 3.953 min
Delta R.T.: 0.008 min
Response: 523411
Conc: 0.13 ng/ml



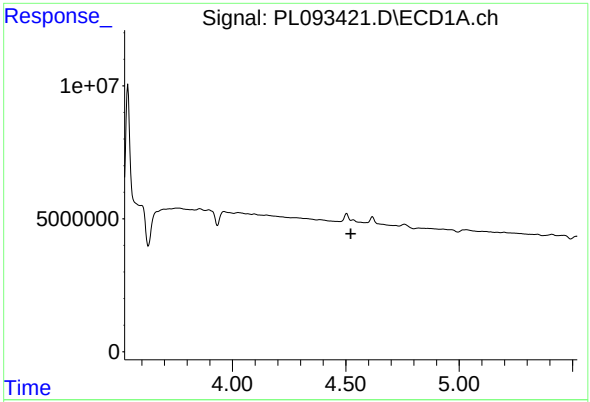
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

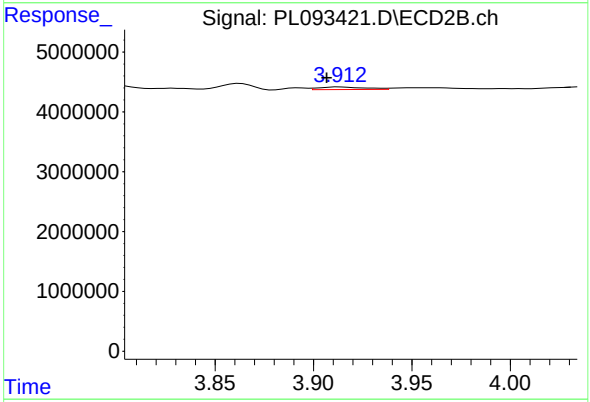
R.T.: 4.207 min
Delta R.T.: -0.017 min
Response: 896256
Conc: 0.23 ng/ml



#6 beta-BHC

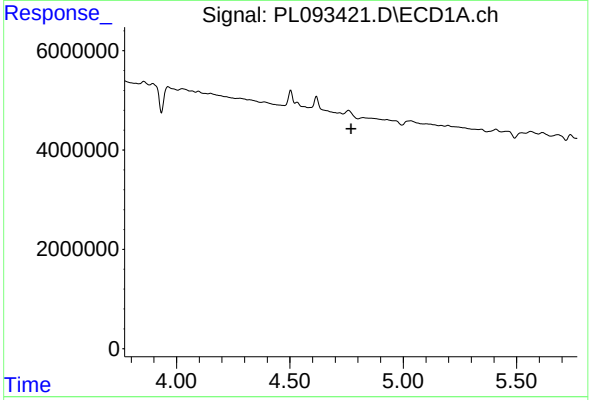
R.T.: 0.000 min
Exp R.T. : 4.523 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



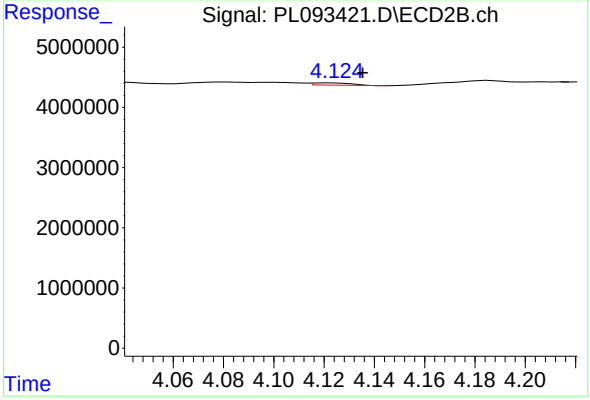
#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: 0.007 min
Response: 729332
Conc: 0.41 ng/ml



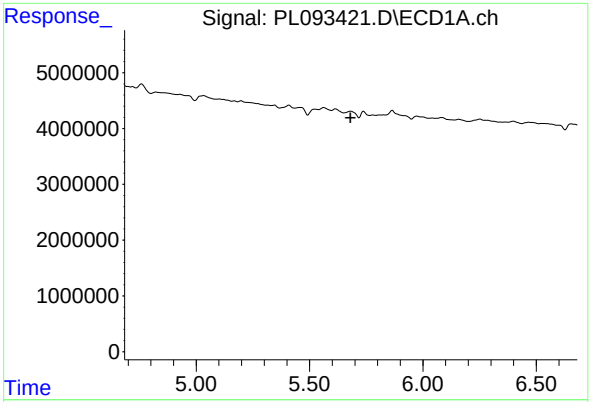
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

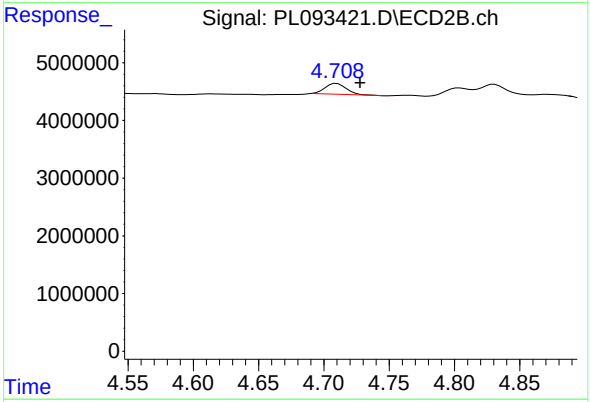
R.T.: 4.123 min
Delta R.T.: -0.013 min
Response: 383473
Conc: 0.09 ng/ml



#8 Heptachlor epoxide

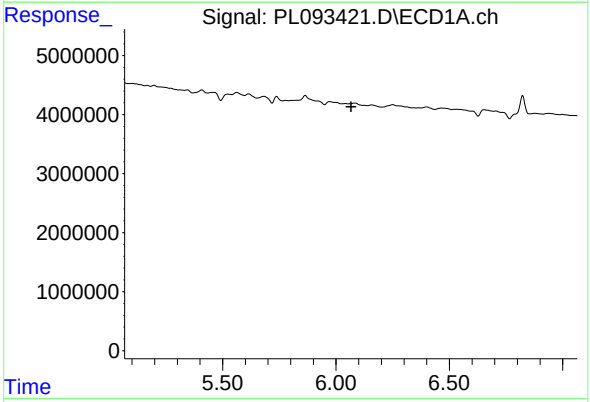
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



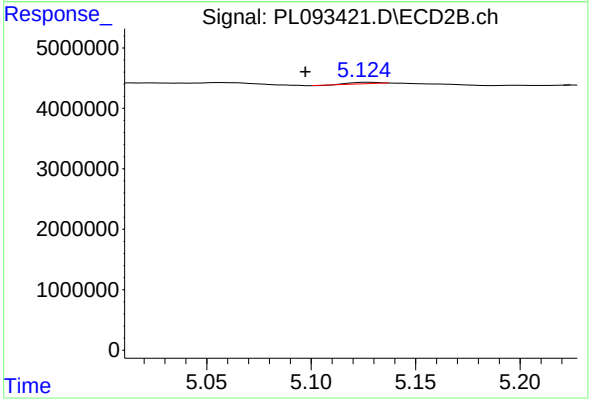
#8 Heptachlor epoxide

R.T.: 4.710 min
Delta R.T.: -0.018 min
Response: 2112153
Conc: 0.58 ng/ml



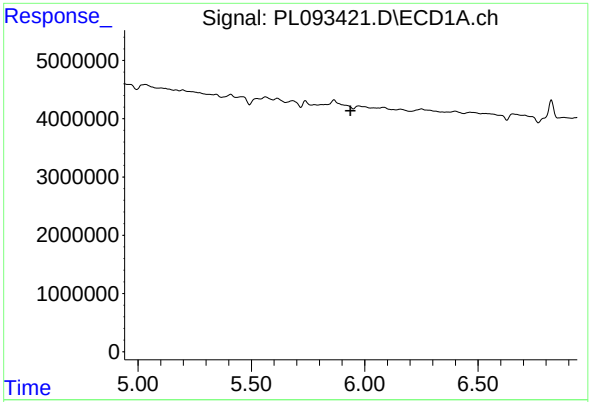
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

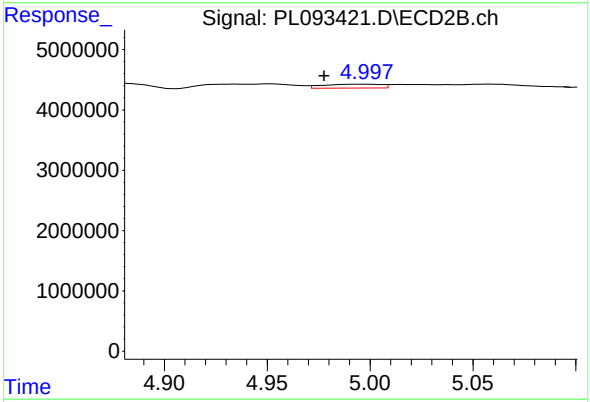
R.T.: 5.127 min
Delta R.T.: 0.030 min
Response: 192693
Conc: 0.06 ng/ml



#10 gamma-Chlordane

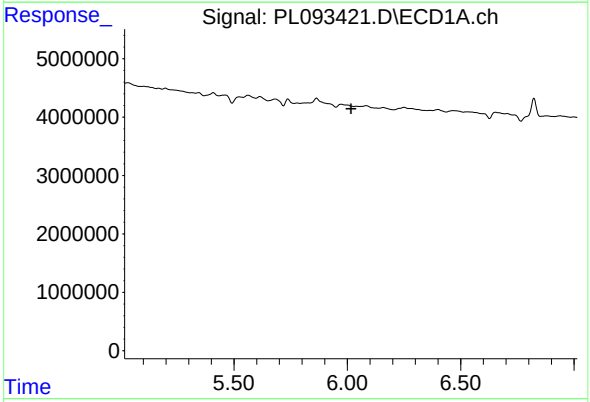
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



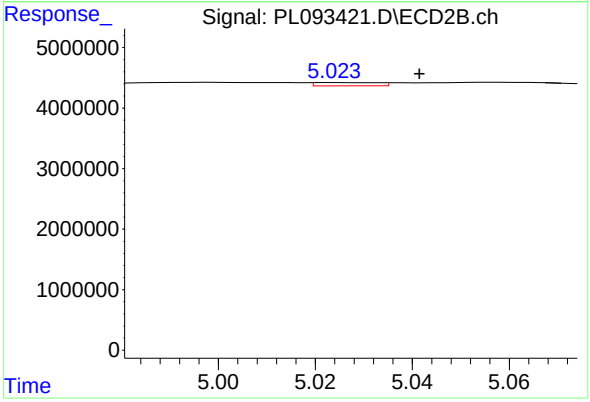
#10 gamma-Chlordane

R.T.: 4.998 min
Delta R.T.: 0.020 min
Response: 1245813
Conc: 0.34 ng/ml



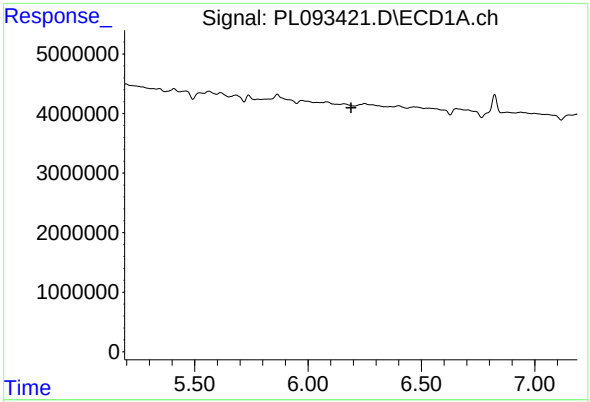
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

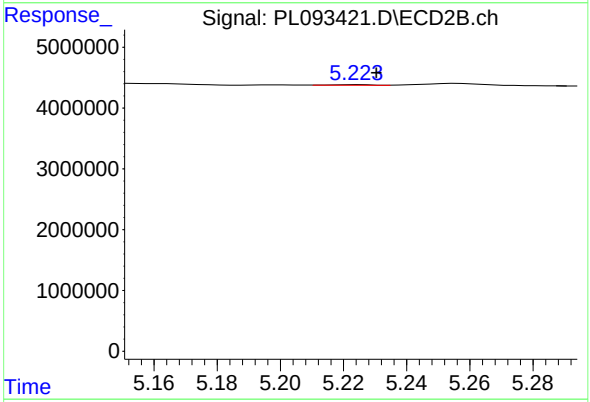
R.T.: 5.025 min
Delta R.T.: -0.017 min
Response: 497260
Conc: 0.14 ng/ml



#12 4,4'-DDE

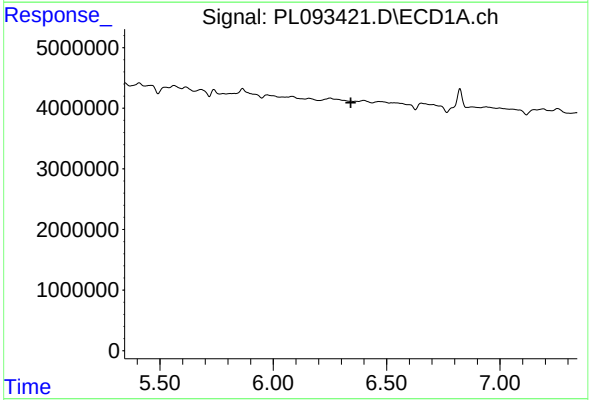
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



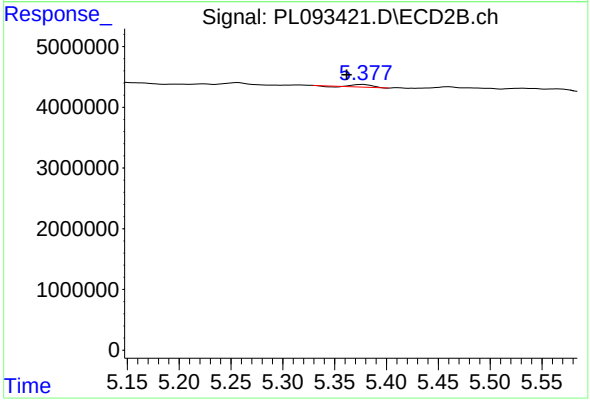
#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.006 min
Response: 84170
Conc: 0.02 ng/ml



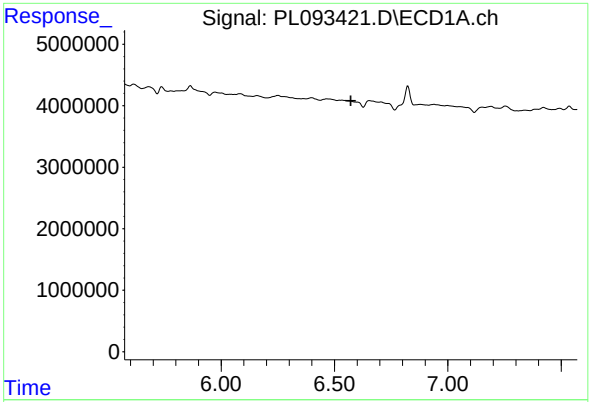
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

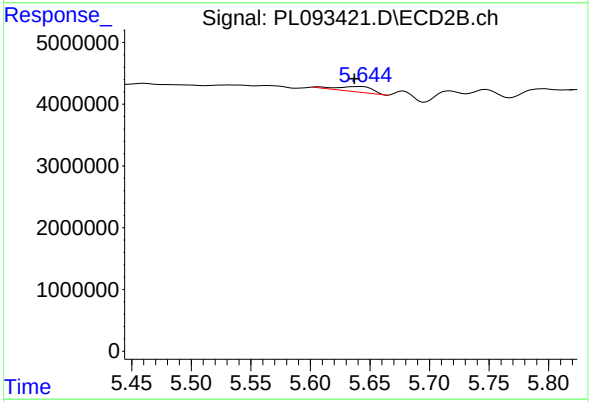
R.T.: 5.377 min
Delta R.T.: 0.015 min
Response: 549539
Conc: 0.15 ng/ml



#14 Endrin

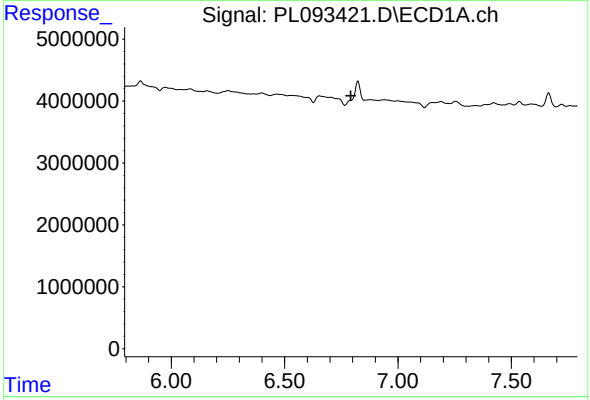
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



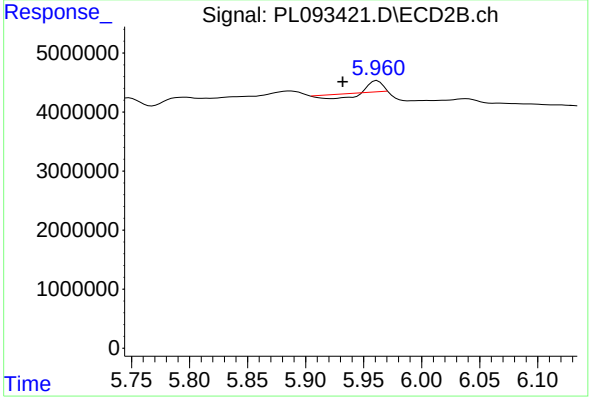
#14 Endrin

R.T.: 5.643 min
Delta R.T.: 0.005 min
Response: 1755635
Conc: 0.55 ng/ml



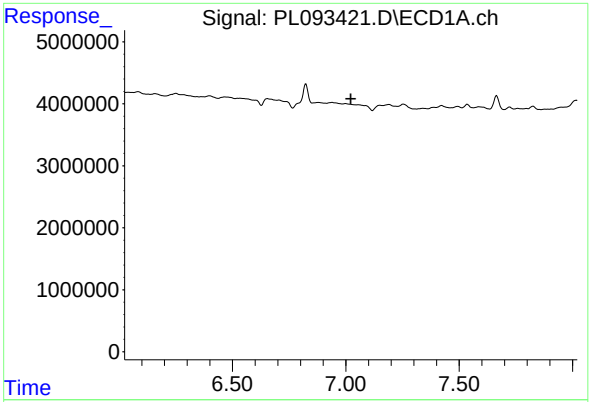
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

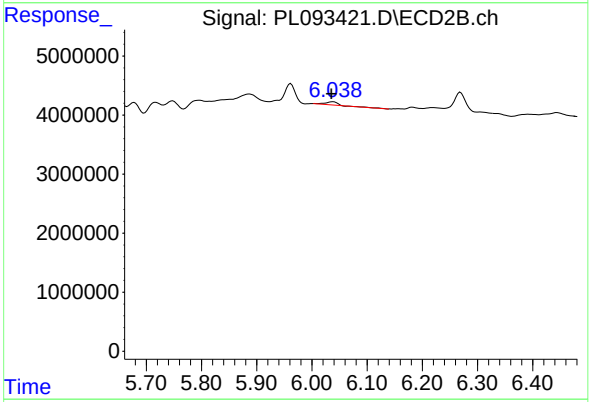
R.T.: 5.962 min
Delta R.T.: 0.030 min
Response: 462039
Conc: 0.15 ng/ml



#17 4,4'-DDT

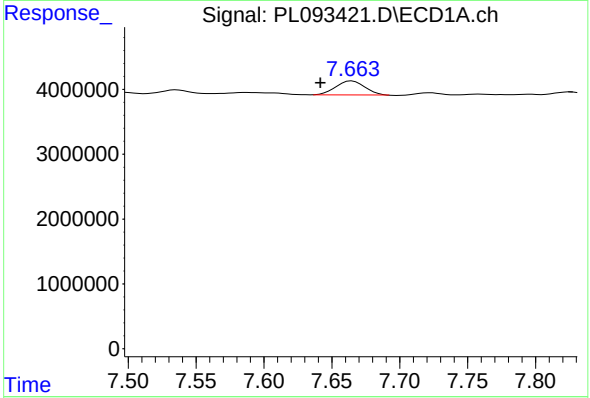
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



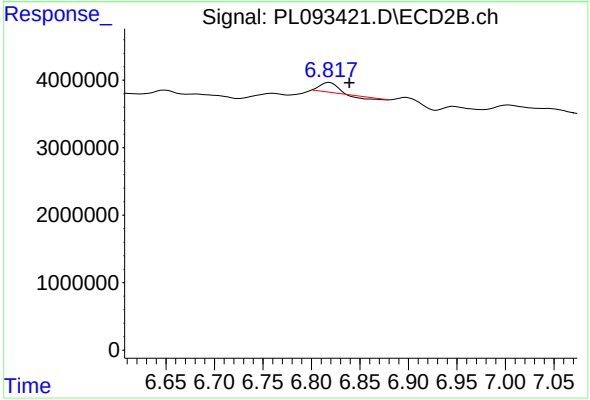
#17 4,4'-DDT

R.T.: 6.039 min
Delta R.T.: 0.003 min
Response: 821142
Conc: 0.28 ng/ml



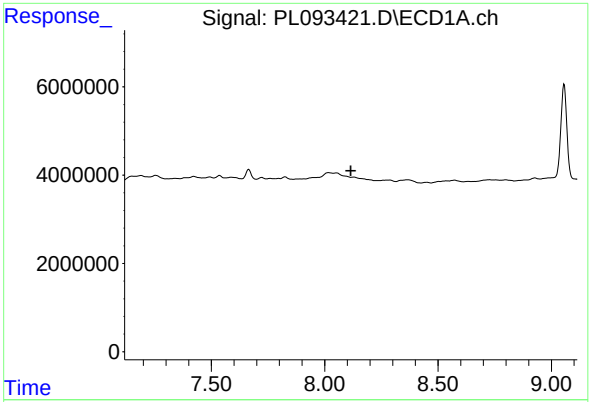
#21 Endrin ketone

R.T.: 7.665 min
Delta R.T.: 0.023 min
Response: 3188546
Conc: 1.41 ng/ml



#21 Endrin ketone

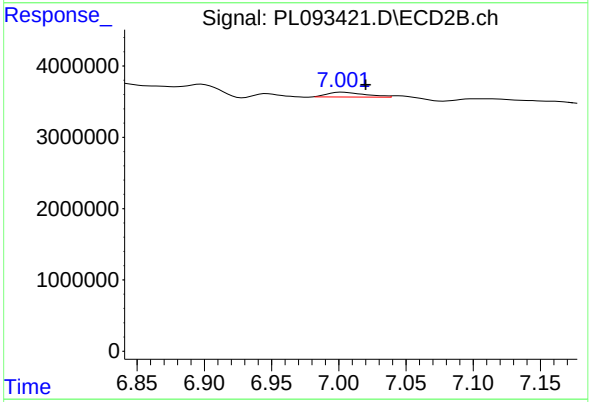
R.T.: 6.819 min
Delta R.T.: -0.021 min
Response: 1323254
Conc: 0.39 ng/ml



#22 Mirex

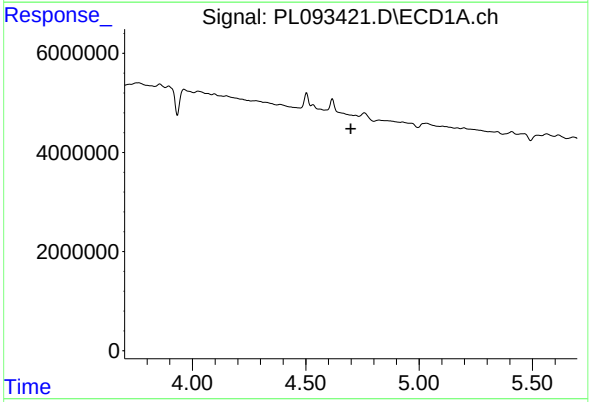
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



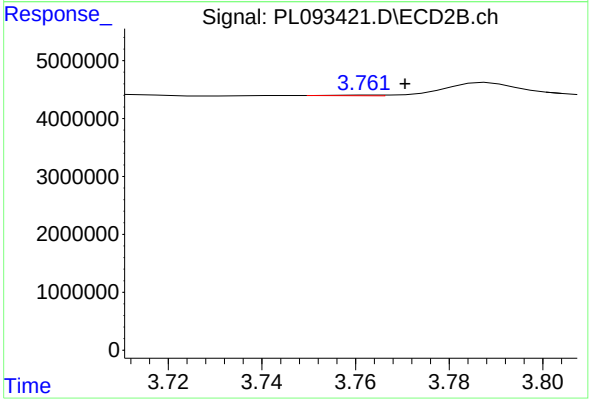
#22 Mirex

R.T.: 7.003 min
Delta R.T.: -0.017 min
Response: 1299650
Conc: 0.48 ng/ml



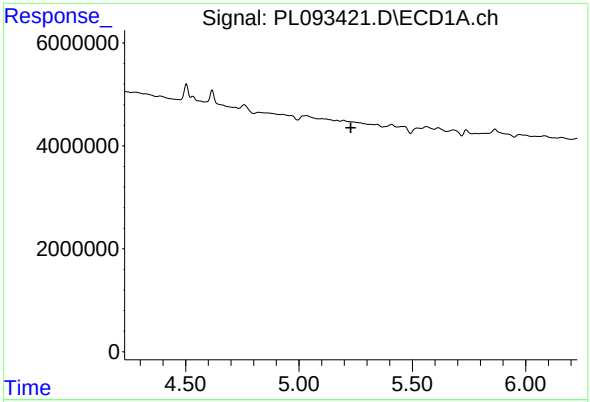
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.



#23 Chlordane-1

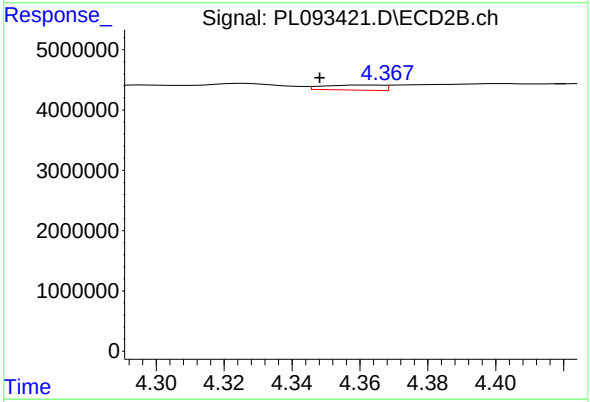
R.T.: 3.763 min
Delta R.T.: -0.008 min
Response: 70137
Conc: 0.60 ng/ml



#24 Chlordane-2

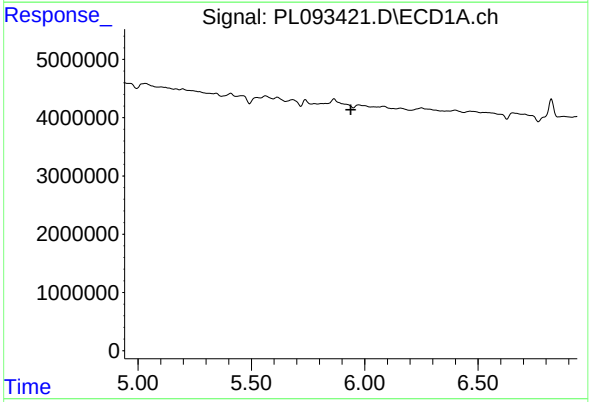
R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



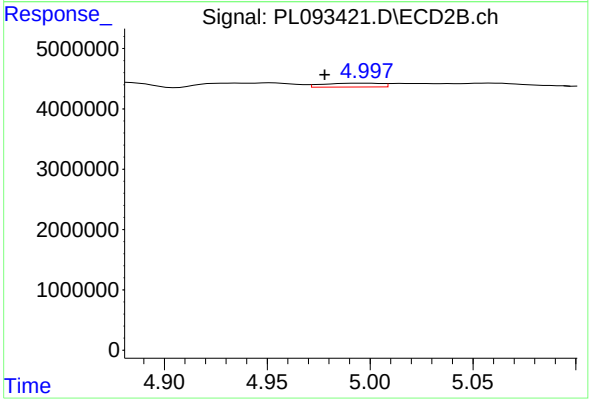
#24 Chlordane-2

R.T.: 4.363 min
Delta R.T.: 0.015 min
Response: 1031890
Conc: 7.70 ng/ml



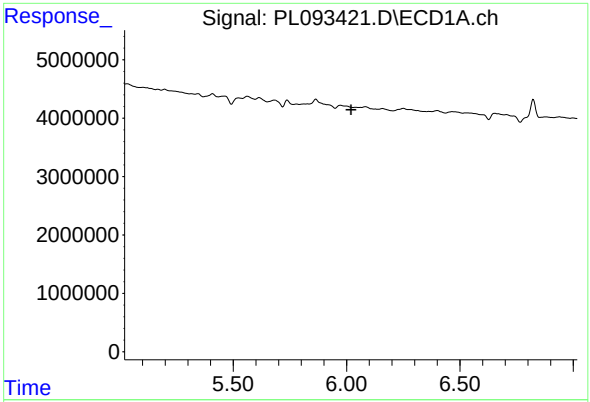
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

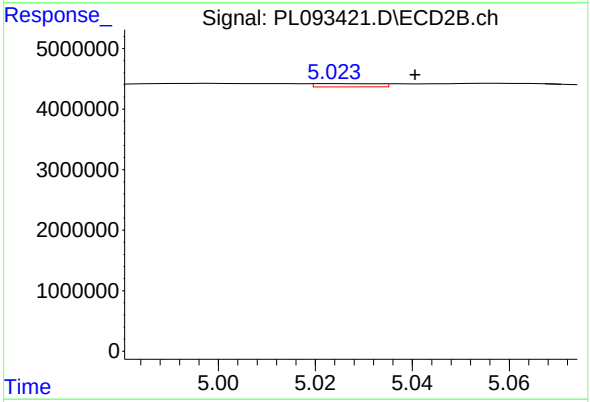
R.T.: 4.998 min
Delta R.T.: 0.020 min
Response: 1245813
Conc: 3.10 ng/ml



#26 Chlordane-4

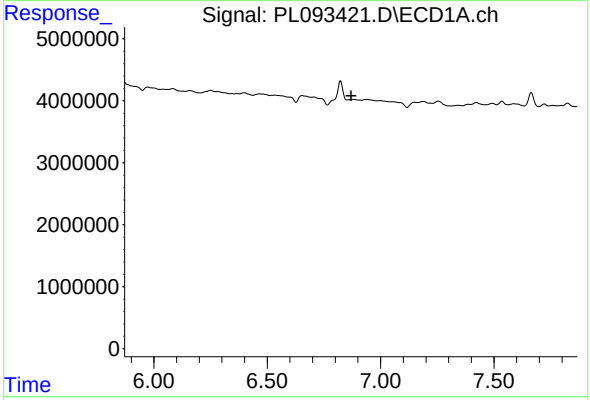
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



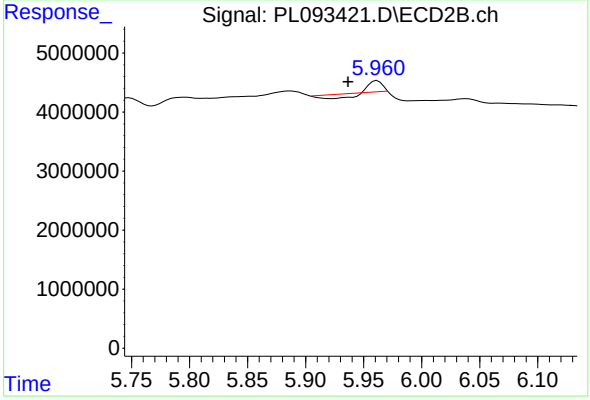
#26 Chlordane-4

R.T.: 5.025 min
Delta R.T.: -0.016 min
Response: 497260
Conc: 1.27 ng/ml



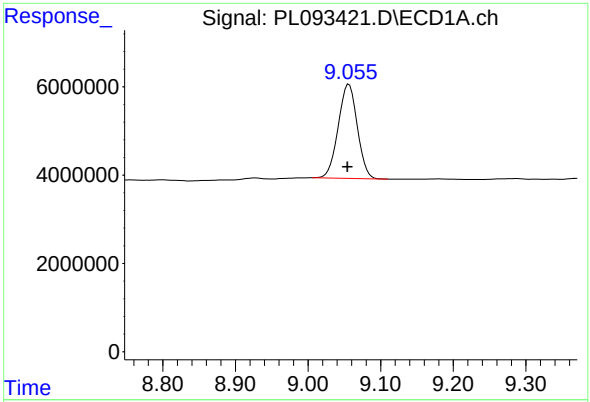
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

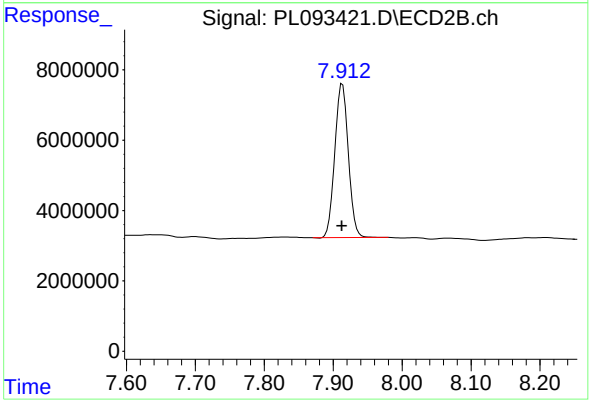
R.T.: 5.962 min
Delta R.T.: 0.025 min
Response: 462039
Conc: 3.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 38926117
Conc: 22.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 59578333
Conc: 20.86 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:11
Operator : AR\AJ
Sample : P5306-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	84582288	53815864	32.545	18.660	#
28)	SA	Decachlor...	9.055	7.912	36810394	56355891	21.173	19.729	
	Target Compounds								
2)	A	alpha-BHC	3.995	3.278	169.6E6	213.1E6	47.529	49.918	
3)	MA	gamma-BHC...	4.327	3.608	160.4E6	203.2E6	47.472	49.082	
4)	MA	Heptachlor	4.915	3.947	149.8E6	211.2E6	49.025	52.199	
5)	MB	Aldrin	5.257	4.226	142.0E6	197.2E6	47.237	49.549	
6)	B	beta-BHC	4.525	3.908	73302623	89793282	48.553	50.478	
7)	B	delta-BHC	4.772	4.137	150.2E6	201.6E6	45.409	47.249	
8)	B	Heptachlo...	5.684	4.729	130.3E6	185.1E6	46.928	50.833	
9)	A	Endosulfan I	6.069	5.099	119.3E6	173.6E6	49.015	51.942	
10)	B	gamma-Chl...	5.940	4.979	127.2E6	195.4E6	49.379	52.732	
11)	B	alpha-Chl...	6.019	5.043	127.8E6	189.9E6	49.308	52.308	
12)	B	4,4'-DDE	6.192	5.232	116.3E6	186.1E6	49.725	51.974	
13)	MA	Dieldrin	6.344	5.363	125.6E6	190.3E6	49.012	51.630	
14)	MA	Endrin	6.574	5.639	111.3E6	172.4E6	53.074	54.064	
15)	B	Endosulfa...	6.794	5.934	112.9E6	166.3E6	51.758	52.481	
16)	A	4,4'-DDD	6.710	5.787	96253889	144.6E6	52.532	51.587	
17)	MA	4,4'-DDT	7.024	6.037	102.7E6	162.7E6	53.278	54.928	
18)	B	Endrin al...	6.924	6.113	87164289	131.1E6	48.247	49.979	
19)	B	Endosulfa...	7.159	6.336	104.6E6	158.5E6	50.457	52.159	
20)	A	Methoxychlor	7.500	6.611	55827578	83029626	53.430	54.376	
21)	B	Endrin ke...	7.644	6.841	115.8E6	181.5E6	51.022	54.061	
22)		Mirex	8.117	7.021	87249301	136.8E6	48.304	50.921	
23)		Chlordane-1	0.000	3.789f	0	1385093	N.D.	11.917	#
24)		Chlordane-2	5.257f	4.366	142.0E6	1546196	1238.847	11.539	#
25)		Chlordane-3	5.940	4.979	127.2E6	195.4E6	333.711	486.243	#
26)		Chlordane-4	6.019	5.043	127.8E6	189.9E6	274.859	486.840	#
27)		Chlordane-5	0.000	5.934	0	166.3E6	N.D.	1213.741	#

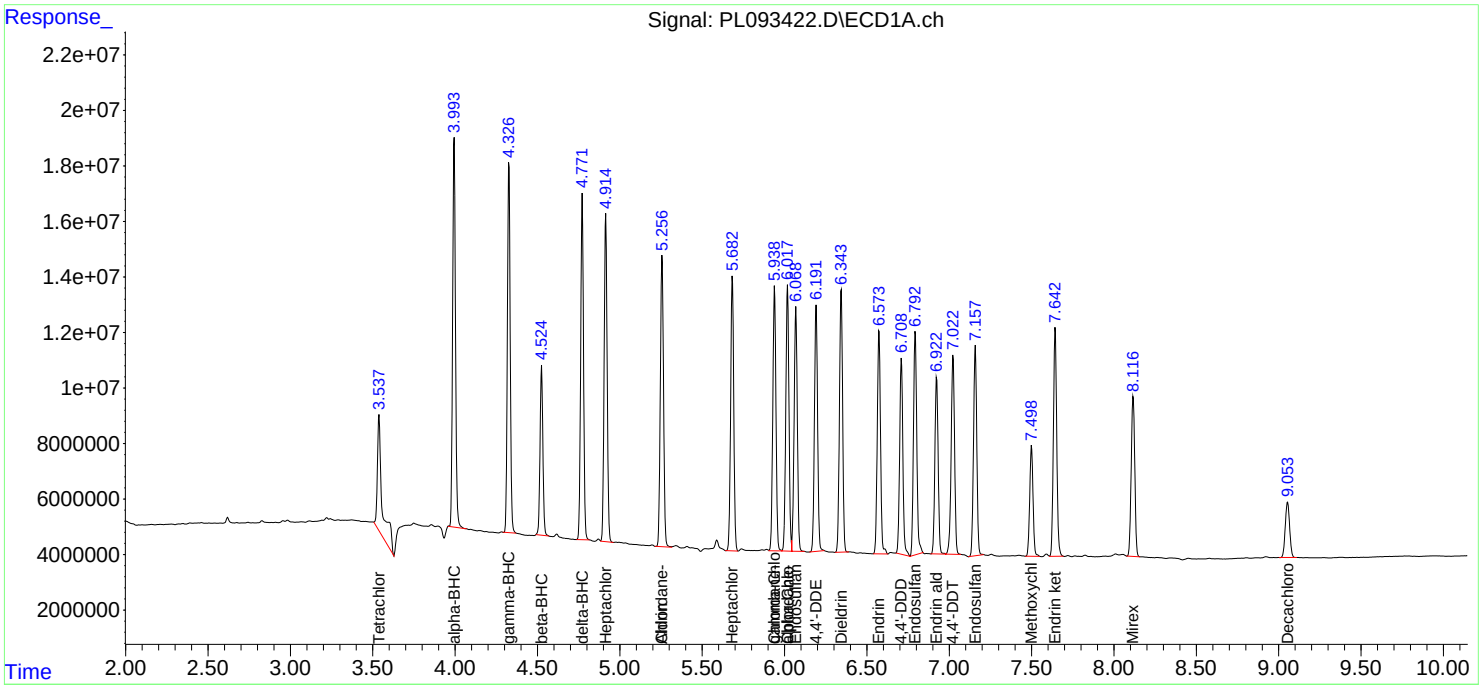
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

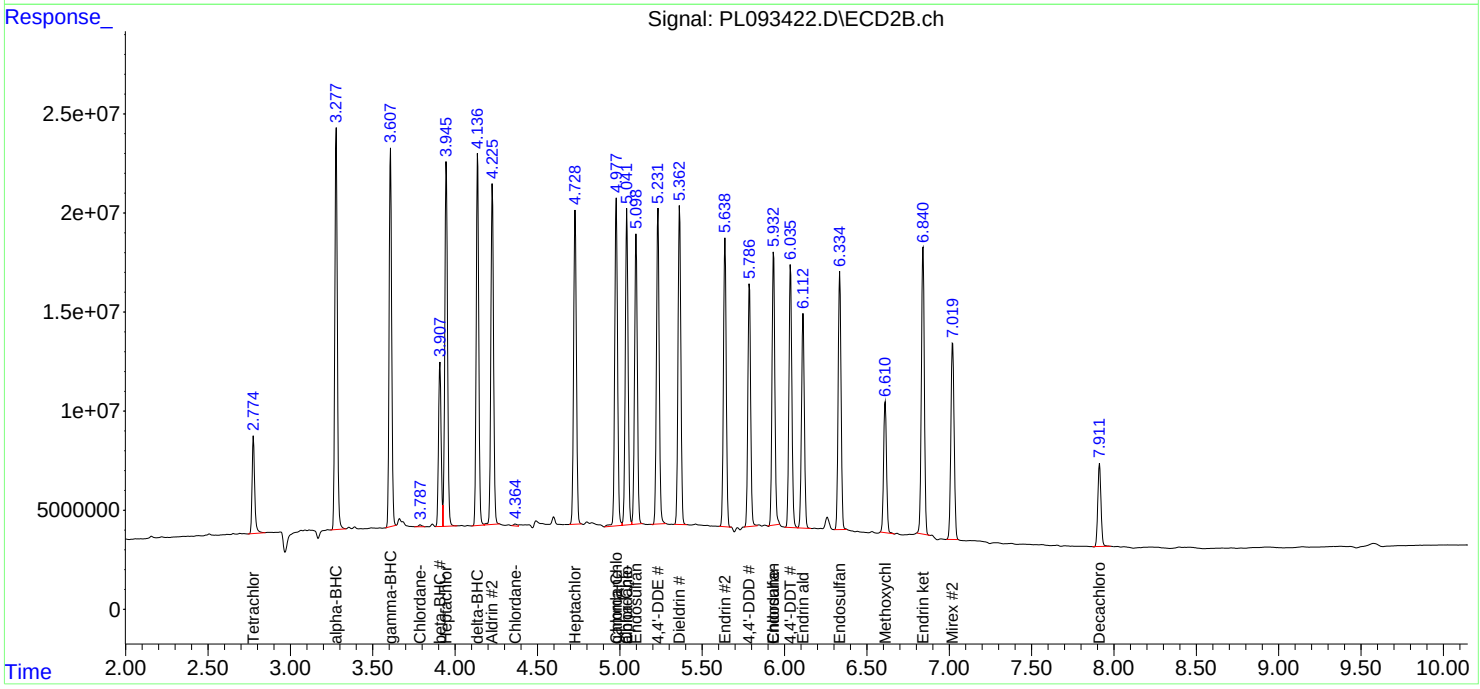
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:11
Operator : AR\AJ
Sample : P5306-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

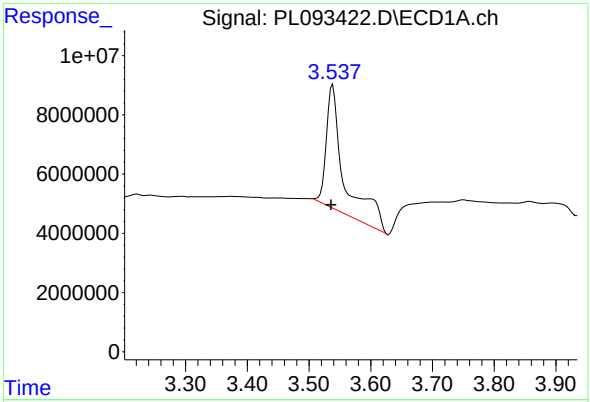
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



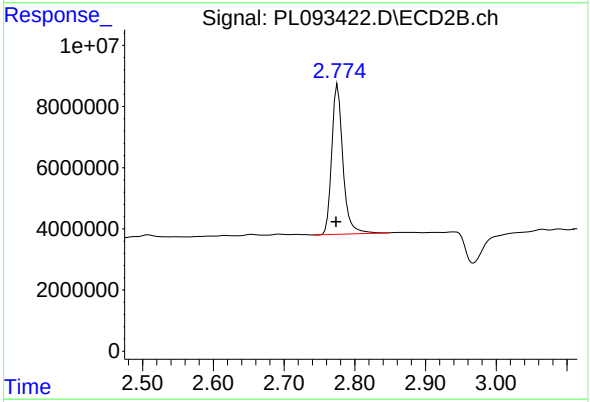




#1 Tetrachloro-m-xylene

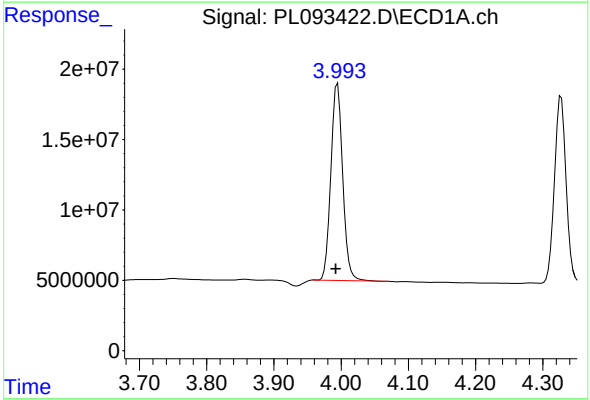
R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 84582288
Conc: 32.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



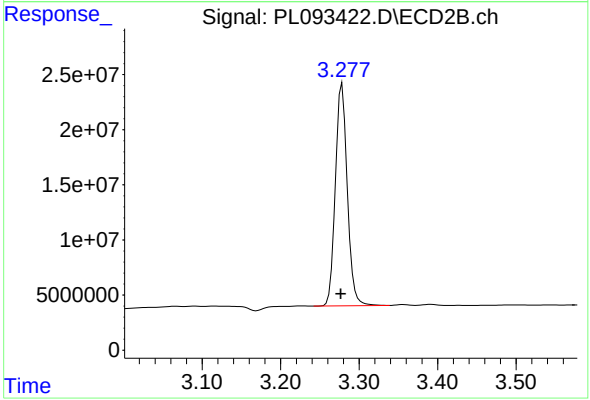
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 53815864
Conc: 18.66 ng/ml



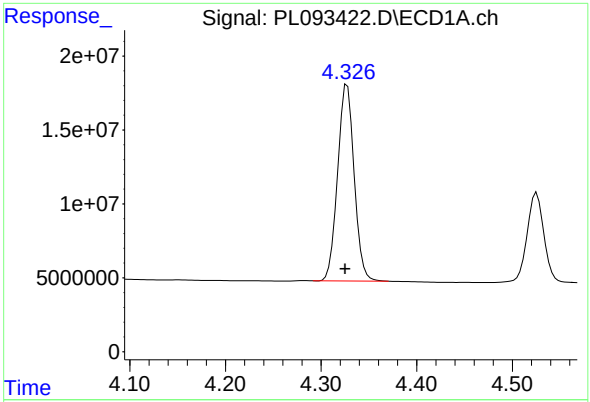
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 169603003
Conc: 47.53 ng/ml



#2 alpha-BHC

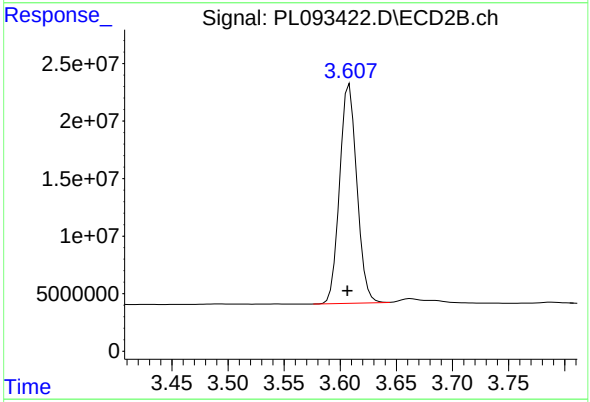
R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 213119041
Conc: 49.92 ng/ml



#3 gamma-BHC (Lindane)

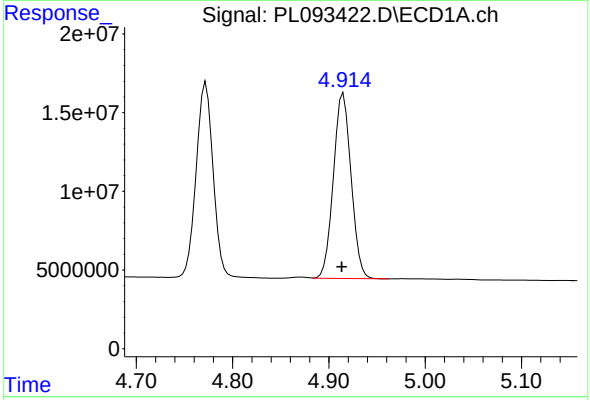
R.T.: 4.327 min
Delta R.T.: 0.002 min
Response: 160393153
Conc: 47.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



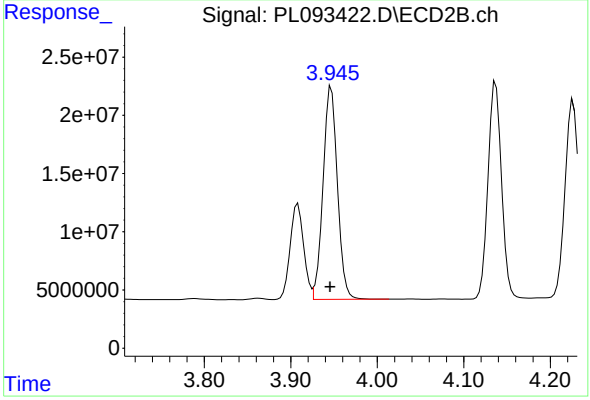
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 203185647
Conc: 49.08 ng/ml



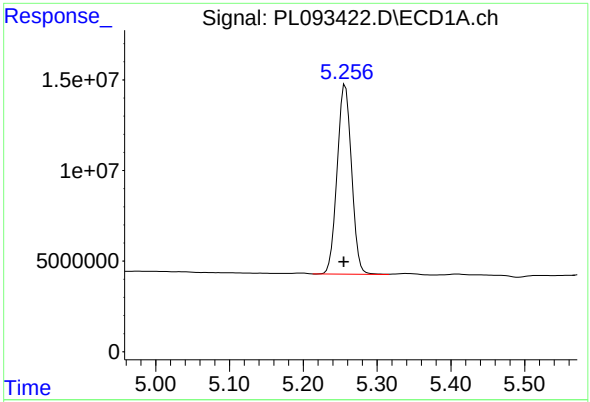
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.002 min
Response: 149824913
Conc: 49.02 ng/ml



#4 Heptachlor

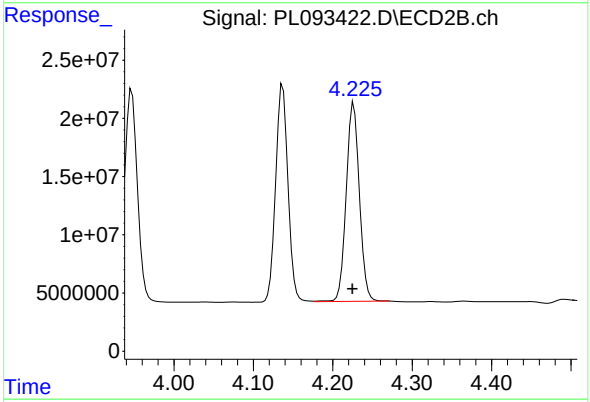
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 211171271
Conc: 52.20 ng/ml



#5 Aldrin

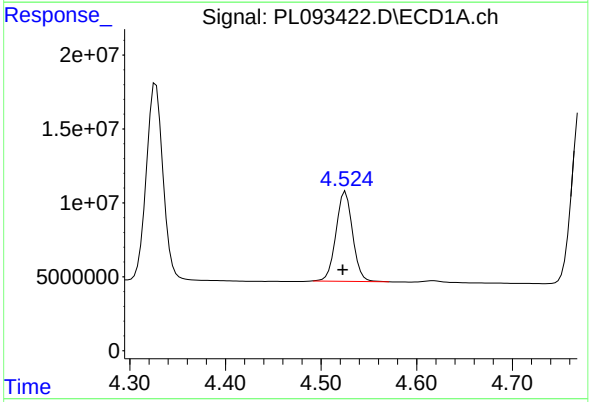
R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 142048171
Conc: 47.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



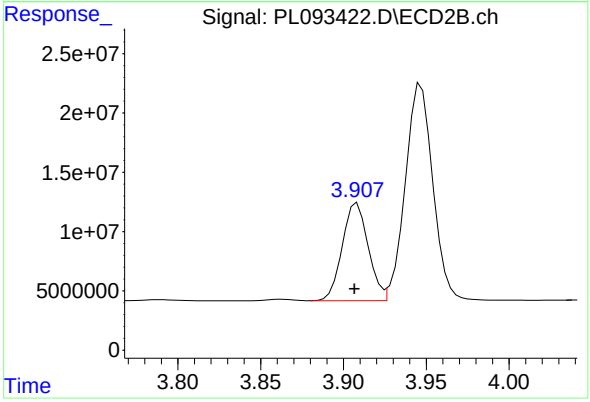
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.002 min
Response: 197150112
Conc: 49.55 ng/ml



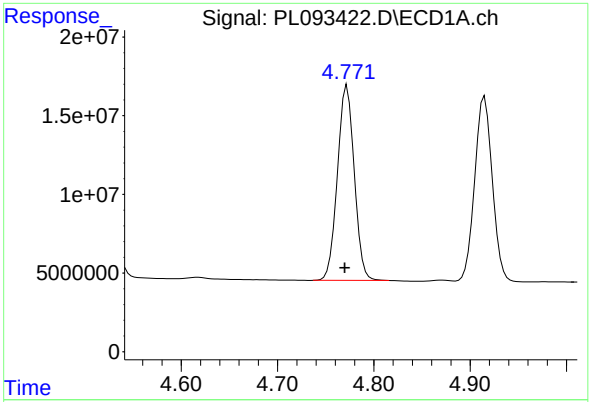
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 73302623
Conc: 48.55 ng/ml



#6 beta-BHC

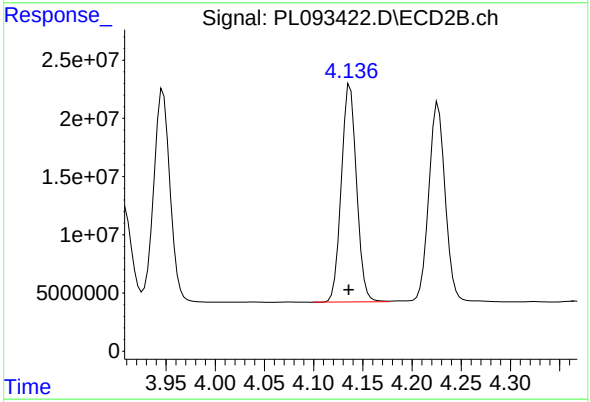
R.T.: 3.908 min
Delta R.T.: 0.002 min
Response: 89793282
Conc: 50.48 ng/ml



#7 delta-BHC

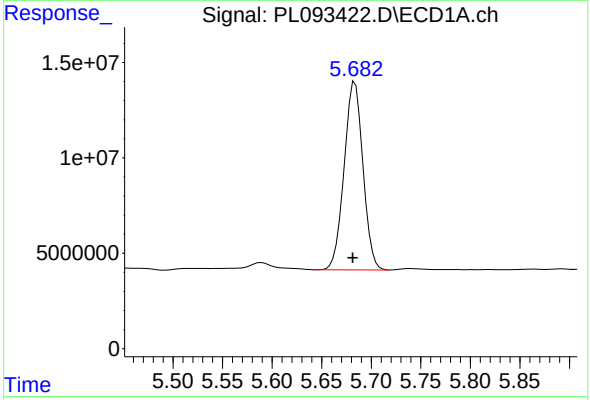
R.T.: 4.772 min
Delta R.T.: 0.003 min
Response: 150240899
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



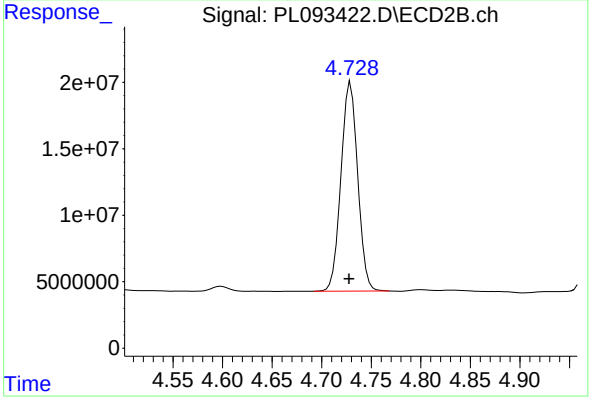
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.002 min
Response: 201587868
Conc: 47.25 ng/ml



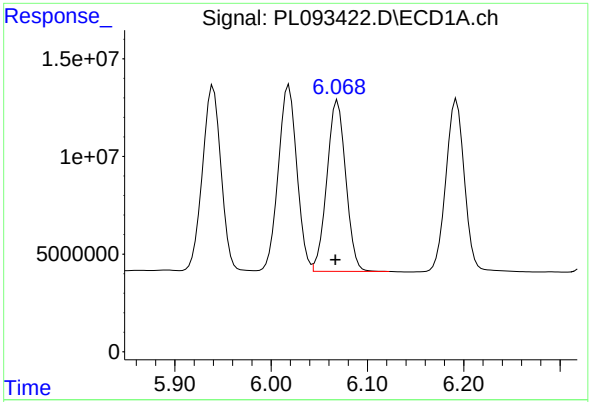
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 130305891
Conc: 46.93 ng/ml



#8 Heptachlor epoxide

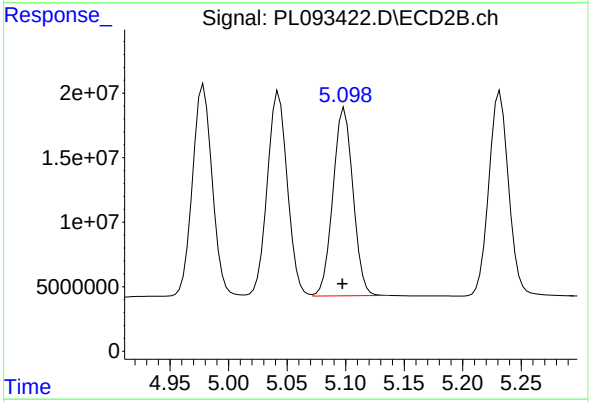
R.T.: 4.729 min
Delta R.T.: 0.001 min
Response: 185143030
Conc: 50.83 ng/ml



#9 Endosulfan I

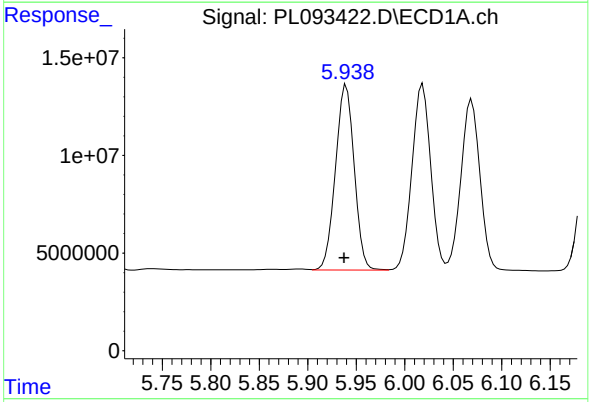
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 119312122
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



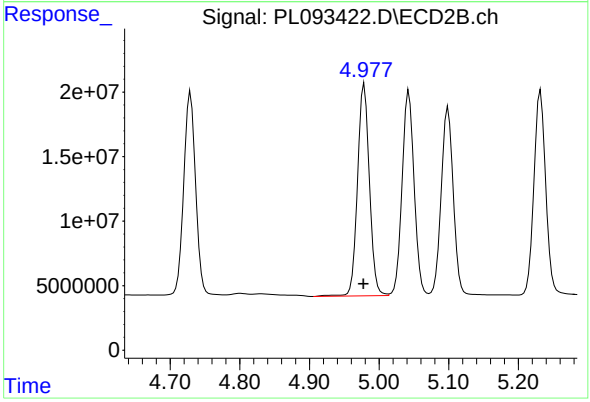
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 173641332
Conc: 51.94 ng/ml



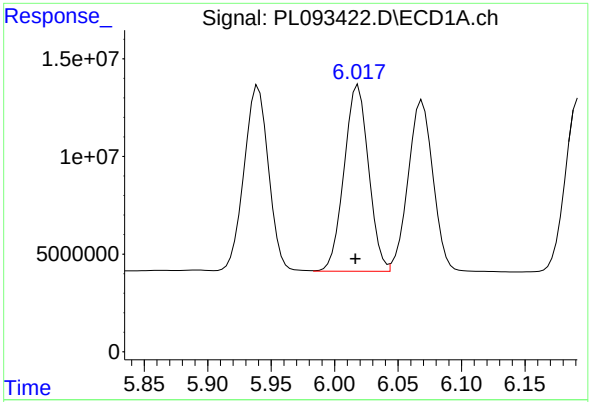
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.002 min
Response: 127218420
Conc: 49.38 ng/ml



#10 gamma-Chlordane

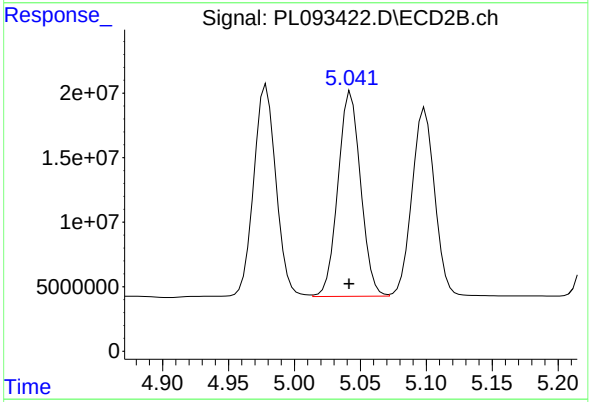
R.T.: 4.979 min
Delta R.T.: 0.001 min
Response: 195379513
Conc: 52.73 ng/ml



#11 alpha-Chlordane

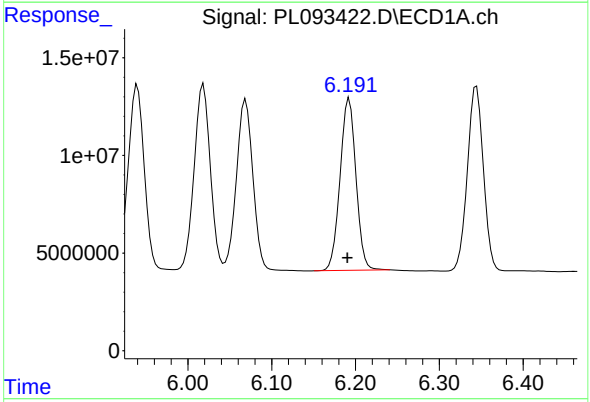
R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 127760879
Conc: 49.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



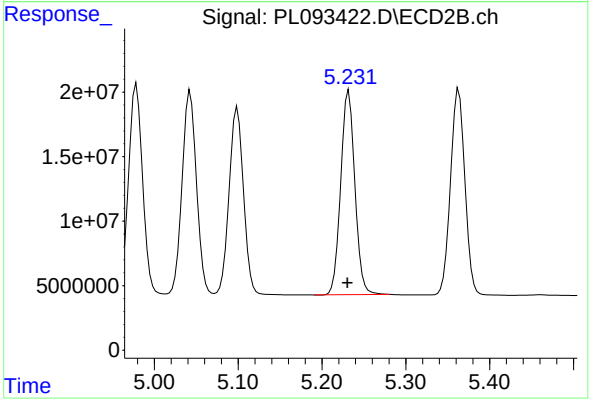
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.001 min
Response: 189892626
Conc: 52.31 ng/ml



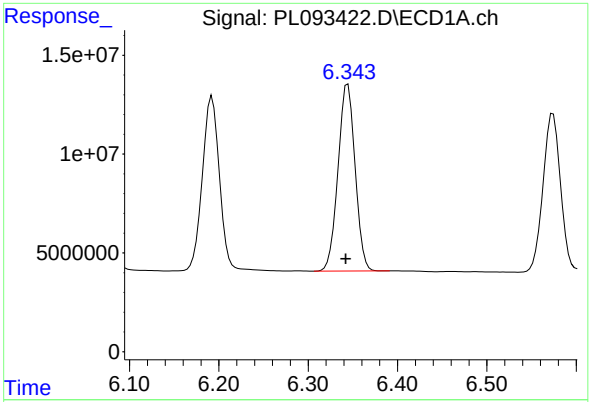
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.002 min
Response: 116323434
Conc: 49.73 ng/ml



#12 4,4'-DDE

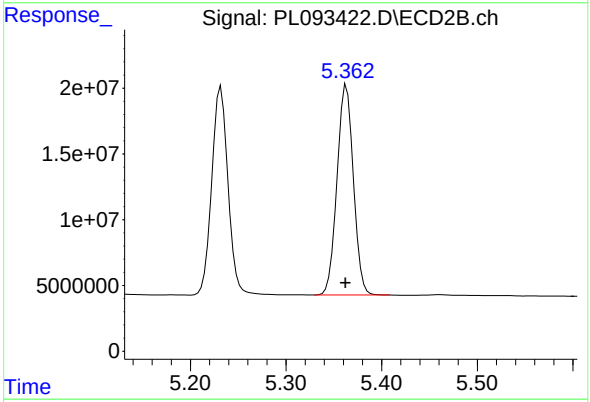
R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 186066348
Conc: 51.97 ng/ml



#13 Dieldrin

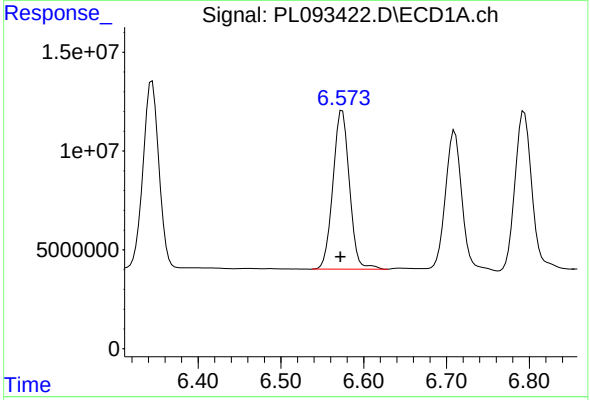
R.T.: 6.344 min
Delta R.T.: 0.002 min
Response: 125624982
Conc: 49.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



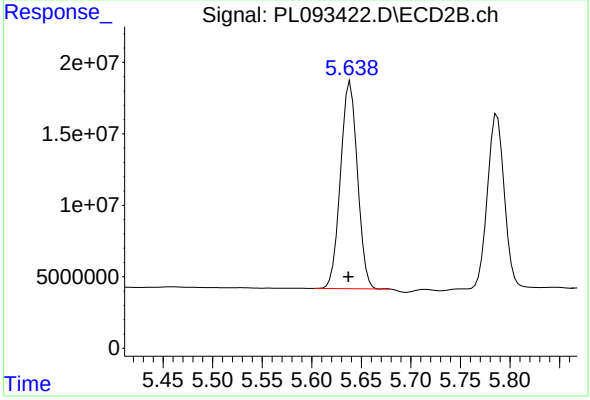
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.001 min
Response: 190282235
Conc: 51.63 ng/ml



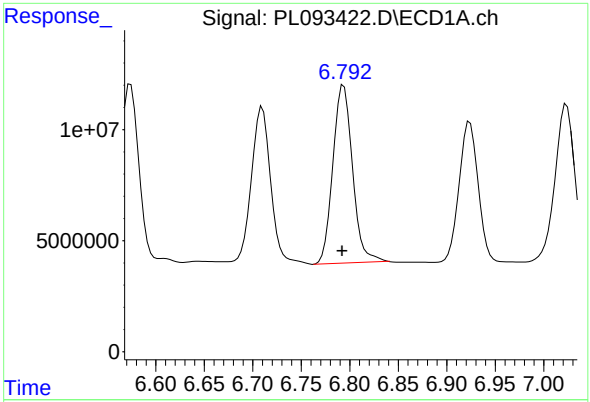
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 111322547
Conc: 53.07 ng/ml



#14 Endrin

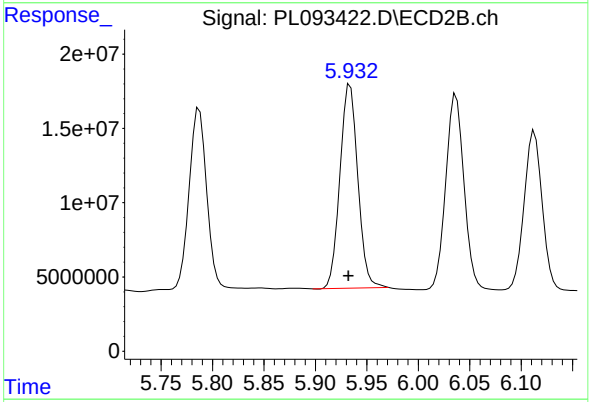
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 172424102
Conc: 54.06 ng/ml



#15 Endosulfan II

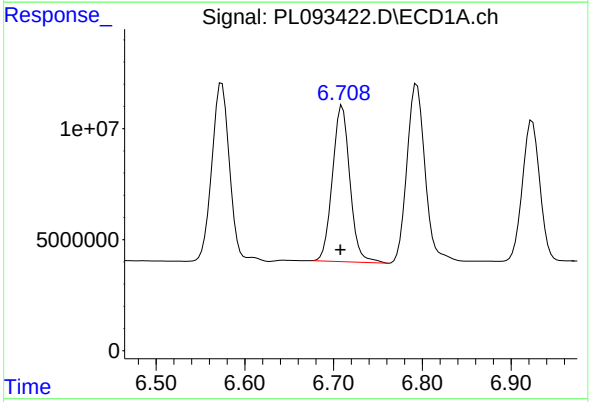
R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 112856807
Conc: 51.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



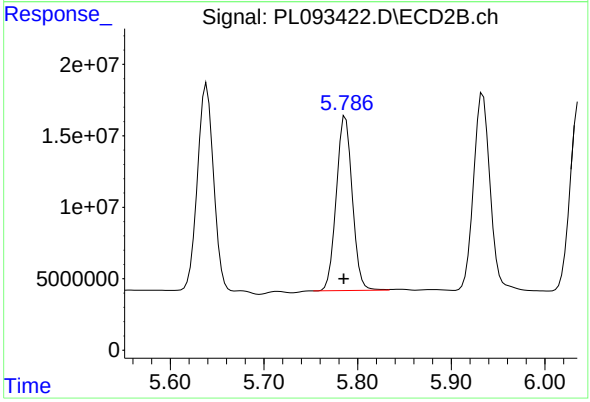
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 166312255
Conc: 52.48 ng/ml



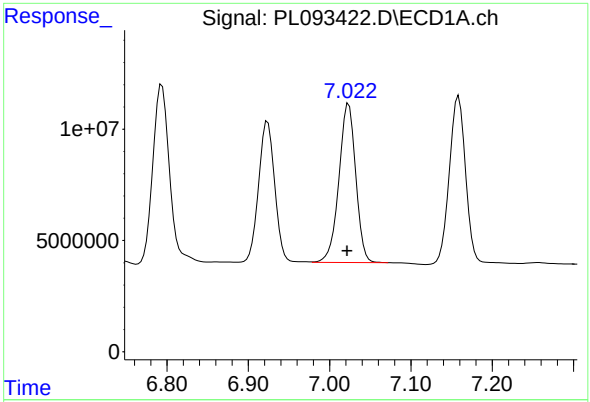
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 96253889
Conc: 52.53 ng/ml



#16 4,4'-DDD

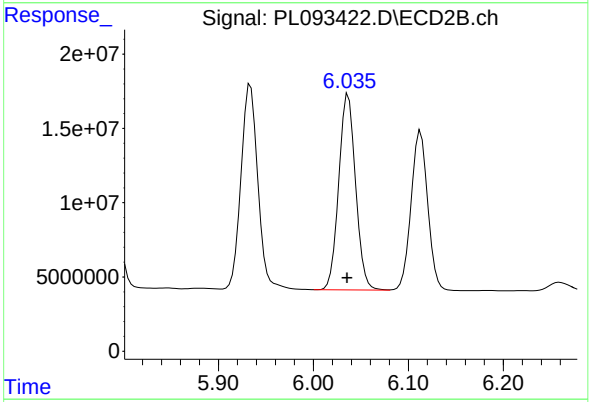
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 144619038
Conc: 51.59 ng/ml



#17 4,4'-DDT

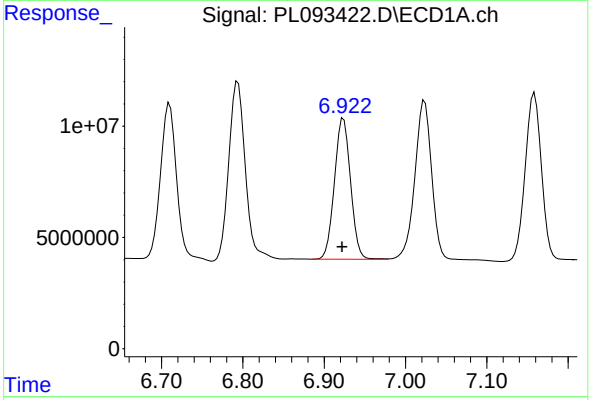
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 102710735
Conc: 53.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



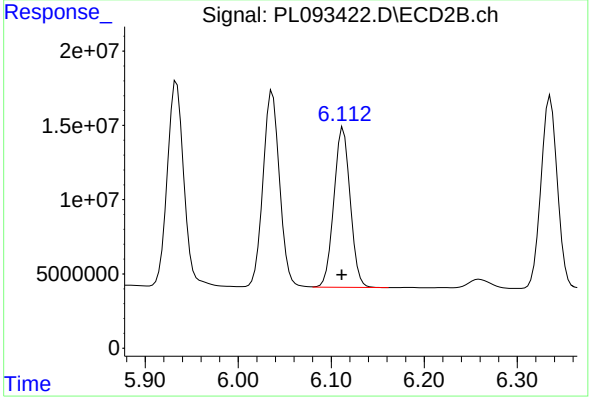
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.001 min
Response: 162683829
Conc: 54.93 ng/ml



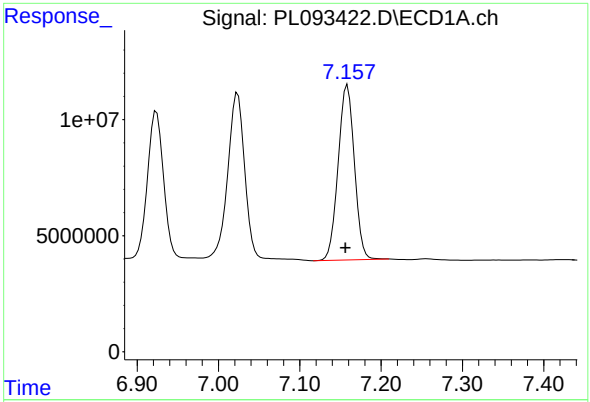
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 87164289
Conc: 48.25 ng/ml



#18 Endrin aldehyde

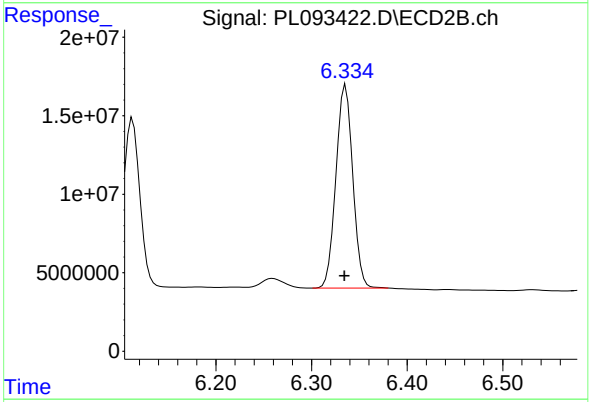
R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 131062090
Conc: 49.98 ng/ml



#19 Endosulfan Sulfate

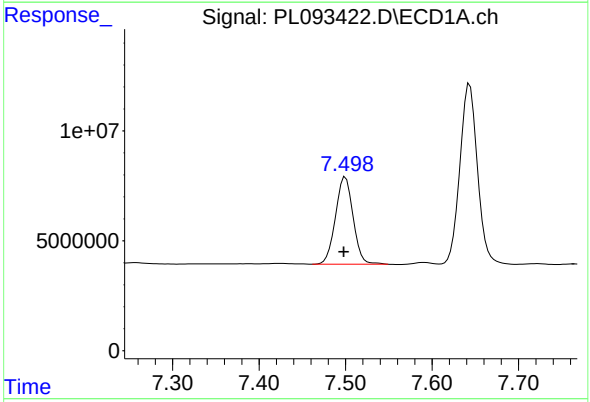
R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 104582053
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



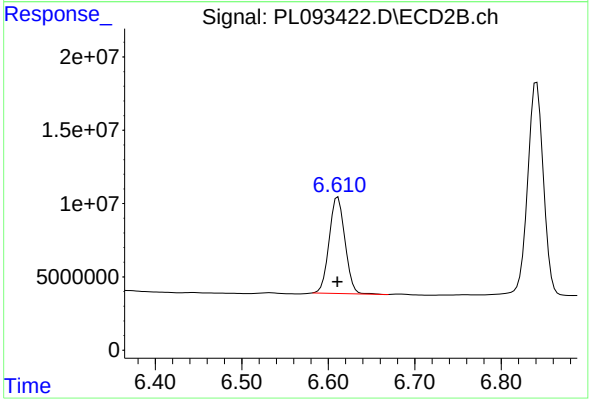
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.001 min
Response: 158545155
Conc: 52.16 ng/ml



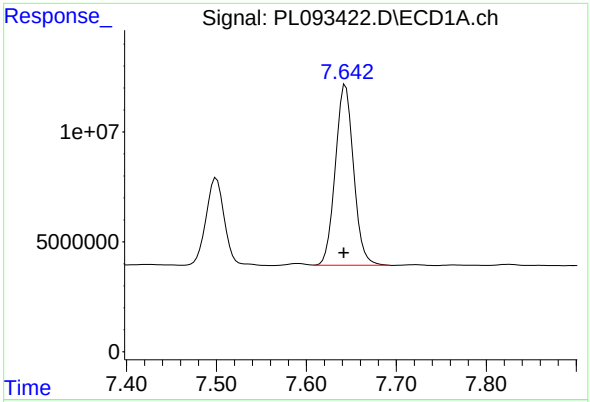
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 55827578
Conc: 53.43 ng/ml



#20 Methoxychlor

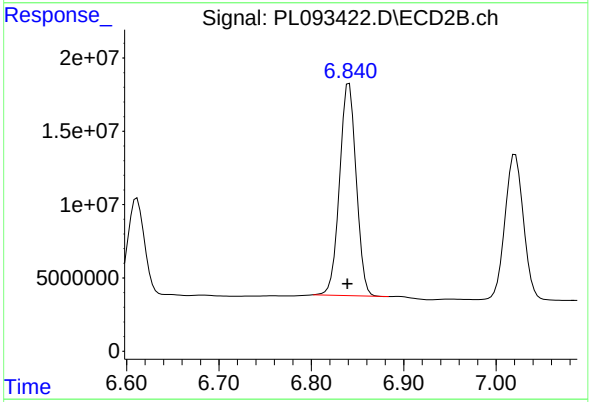
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 83029626
Conc: 54.38 ng/ml



#21 Endrin ketone

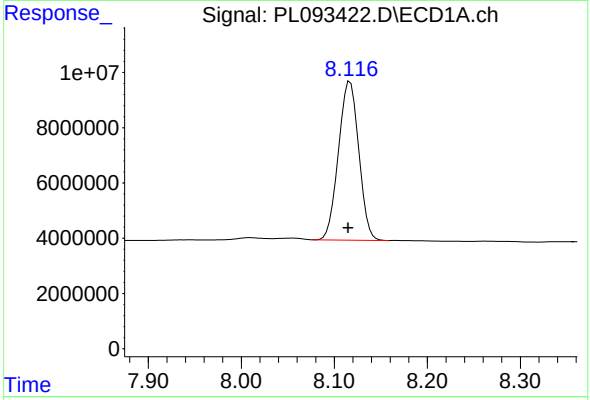
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 115782377
Conc: 51.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



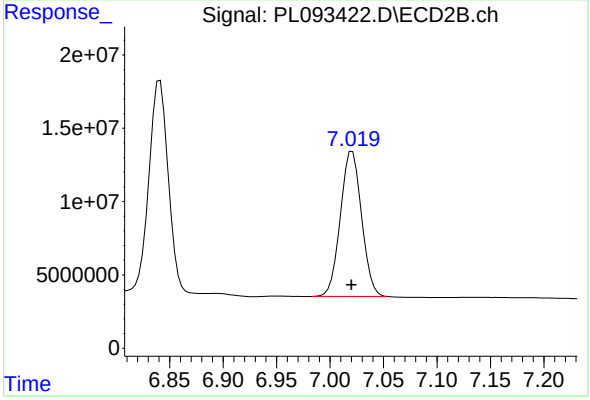
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 181484732
Conc: 54.06 ng/ml



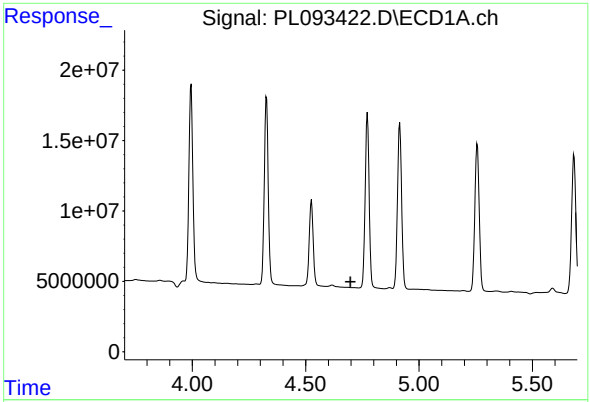
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 87249301
Conc: 48.30 ng/ml



#22 Mirex

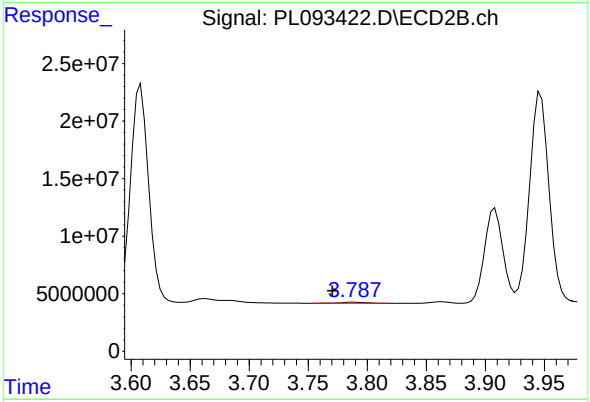
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 136801380
Conc: 50.92 ng/ml



#23 Chlordane-1

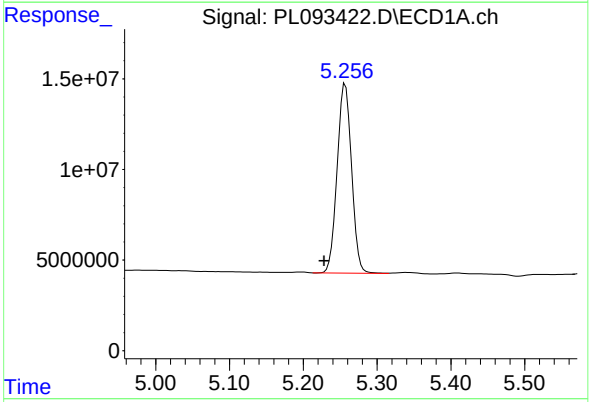
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



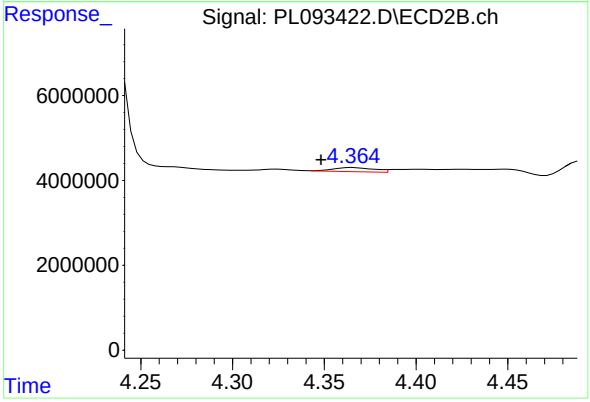
#23 Chlordane-1

R.T.: 3.789 min
Delta R.T.: 0.018 min
Response: 1385093
Conc: 11.92 ng/ml



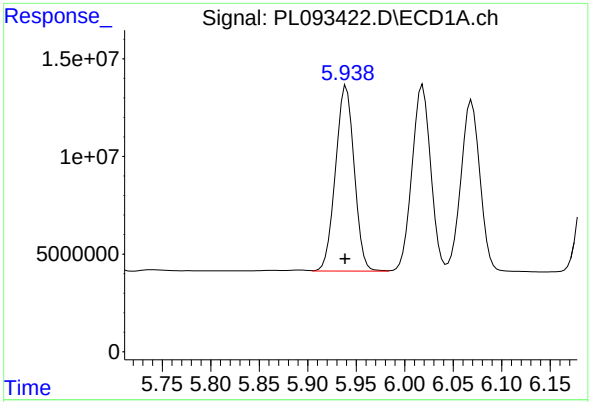
#24 Chlordane-2

R.T.: 5.257 min
Delta R.T.: 0.029 min
Response: 142048171
Conc: 1238.85 ng/ml



#24 Chlordane-2

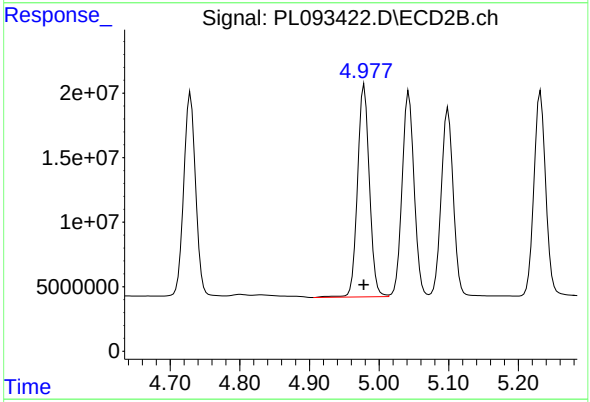
R.T.: 4.366 min
Delta R.T.: 0.017 min
Response: 1546196
Conc: 11.54 ng/ml



#25 Chlordane-3

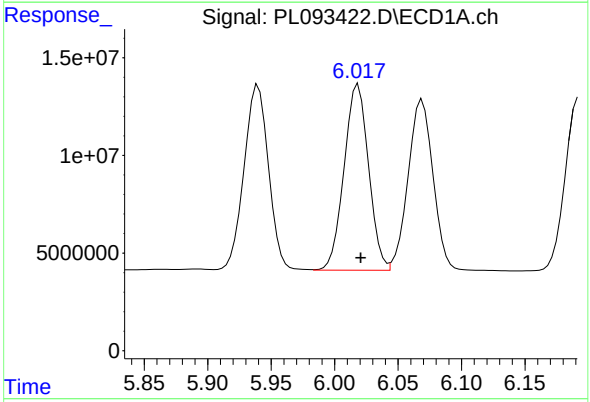
R.T.: 5.940 min
Delta R.T.: 0.001 min
Response: 127218420
Conc: 333.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



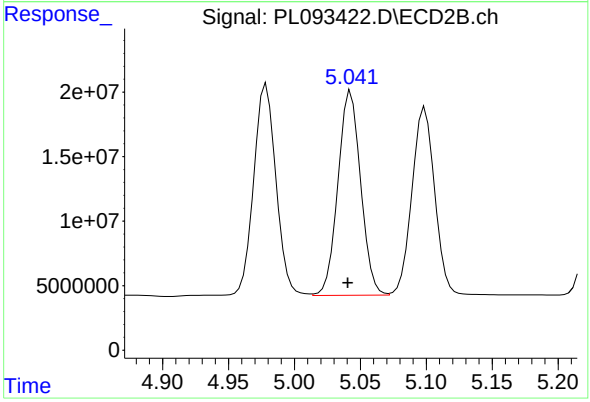
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 195379513
Conc: 486.24 ng/ml



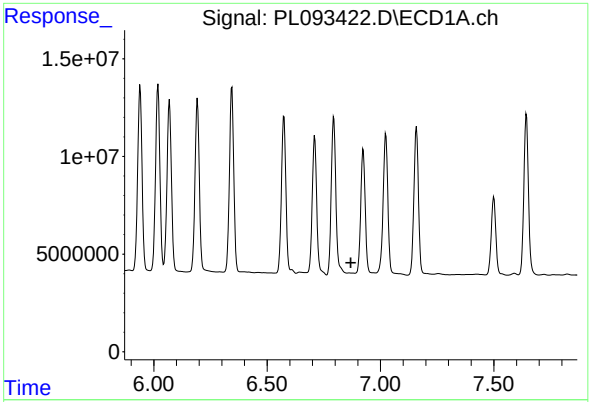
#26 Chlordane-4

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 127760879
Conc: 274.86 ng/ml



#26 Chlordane-4

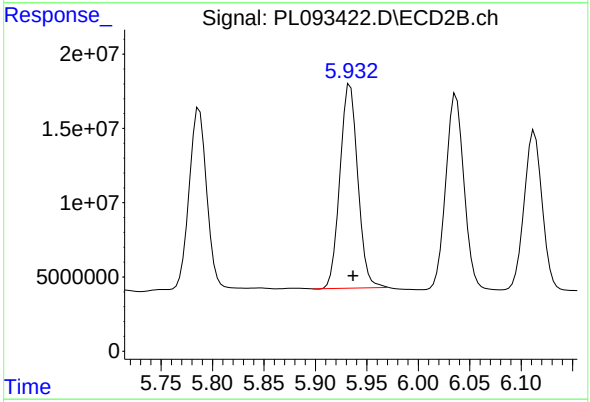
R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 189892626
Conc: 486.84 ng/ml



#27 Chlordane-5

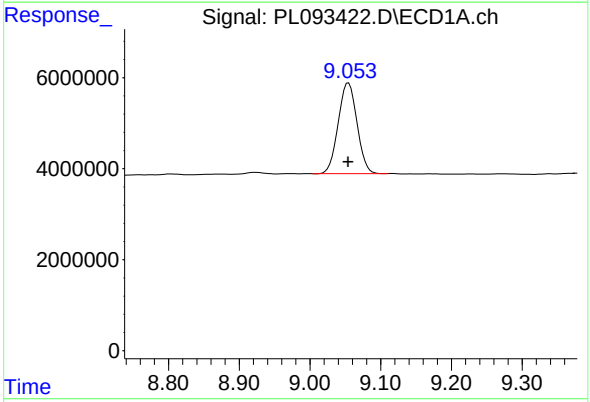
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MS



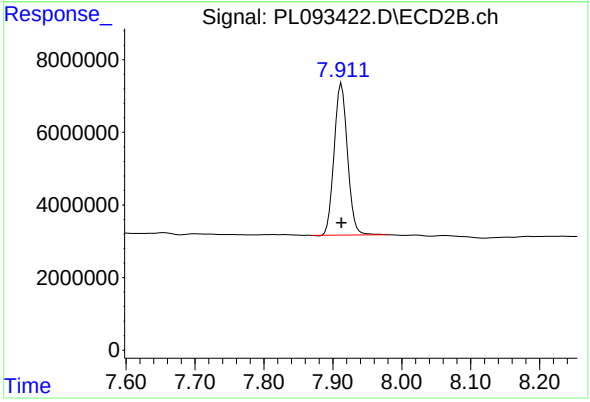
#27 Chlordane-5

R.T.: 5.934 min
Delta R.T.: -0.003 min
Response: 166312255
Conc: 1213.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 36810394
Conc: 21.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 56355891
Conc: 19.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:24
Operator : AR\AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	87556106	54190459	33.689	18.790	#
28)	SA Decachlor...	9.056	7.913	36734068	56641240	21.129	19.829	
	Target Compounds							
2)	A alpha-BHC	3.995	3.279	172.5E6	215.1E6	48.331	50.375	
3)	MA gamma-BHC...	4.328	3.609	162.0E6	204.9E6	47.957	49.503	
4)	MA Heptachlor	4.916	3.947	150.2E6	212.1E6	49.141	52.439	
5)	MB Aldrin	5.258	4.227	142.6E6	197.8E6	47.434	49.722	
6)	B beta-BHC	4.526	3.909	74120583	90131985	49.095	50.668	
7)	B delta-BHC	4.773	4.138	151.1E6	202.9E6	45.659	47.567	
8)	B Heptachlo...	5.684	4.730	130.5E6	186.0E6	47.007	51.076	
9)	A Endosulfan I	6.070	5.100	120.2E6	174.2E6	49.383	52.108	
10)	B gamma-Chl...	5.940	4.980	127.5E6	195.9E6	49.476	52.863	
11)	B alpha-Chl...	6.019	5.043	128.4E6	190.0E6	49.542	52.343	
12)	B 4,4'-DDE	6.193	5.232	117.1E6	187.3E6	50.050	52.324	
13)	MA Dieldrin	6.345	5.364	126.0E6	191.9E6	49.143	52.080	
14)	MA Endrin	6.574	5.639	111.7E6	175.1E6	53.268	54.910	
15)	B Endosulfa...	6.794	5.934	113.0E6	166.6E6	51.801	52.565	
16)	A 4,4'-DDD	6.710	5.787	97164827	144.1E6	53.029	51.410	
17)	MA 4,4'-DDT	7.024	6.037	102.1E6	163.0E6	52.980	55.038	
18)	B Endrin al...	6.925	6.113	87554685	129.8E6	48.463	49.517	
19)	B Endosulfa...	7.159	6.336	105.0E6	159.4E6	50.679	52.450	
20)	A Methoxychlor	7.501	6.612	56413444	83675858	53.990	54.800	
21)	B Endrin ke...	7.644	6.842	117.5E6	182.3E6	51.786	54.308	
22)	Mirex	8.118	7.021	87244952	139.1E6	48.302	51.790	
24)	Chlordane-2	5.258f	4.366f	142.6E6	1925918	1244.028	14.373	#
25)	Chlordane-3	5.940	4.980	127.5E6	195.9E6	334.362	487.451	#
26)	Chlordane-4	6.019	5.043	128.4E6	190.0E6	276.162	487.166	#
27)	Chlordane-5	0.000	5.934	0	166.6E6	N.D.	1215.689	#

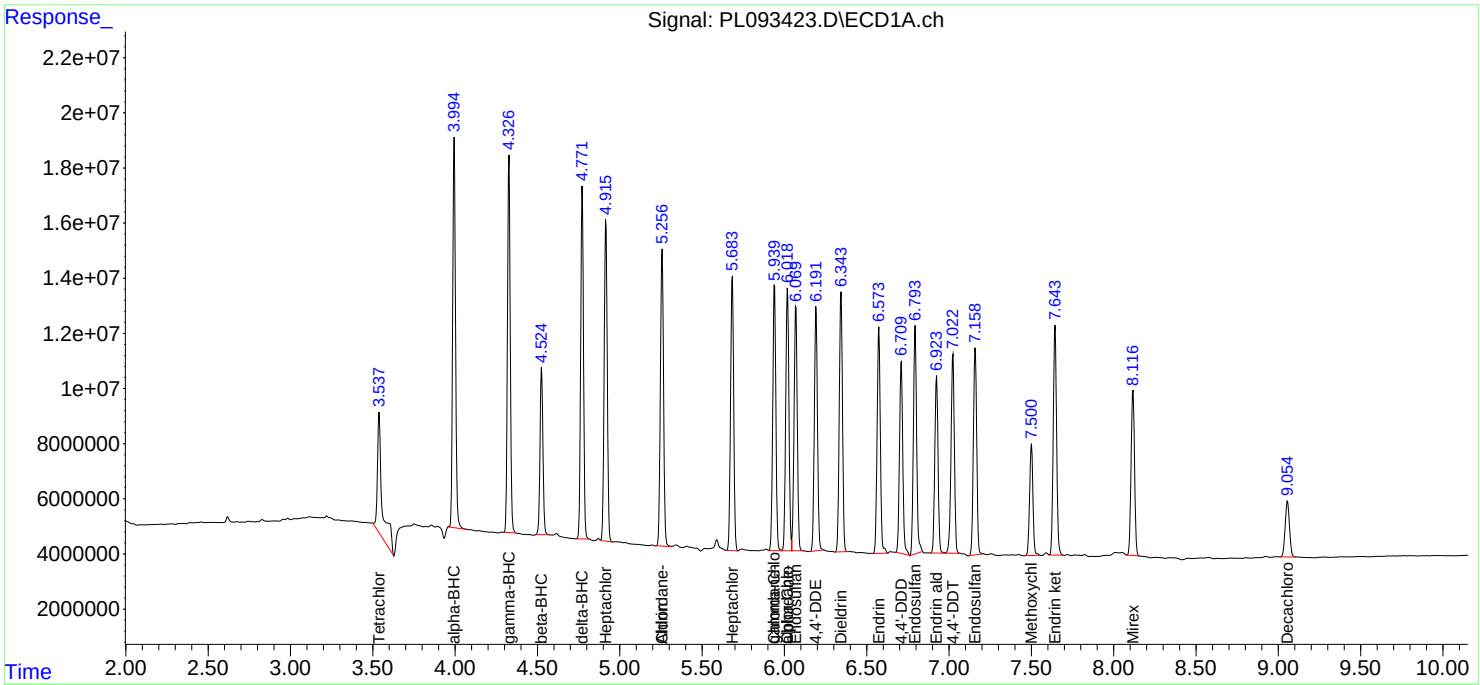
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

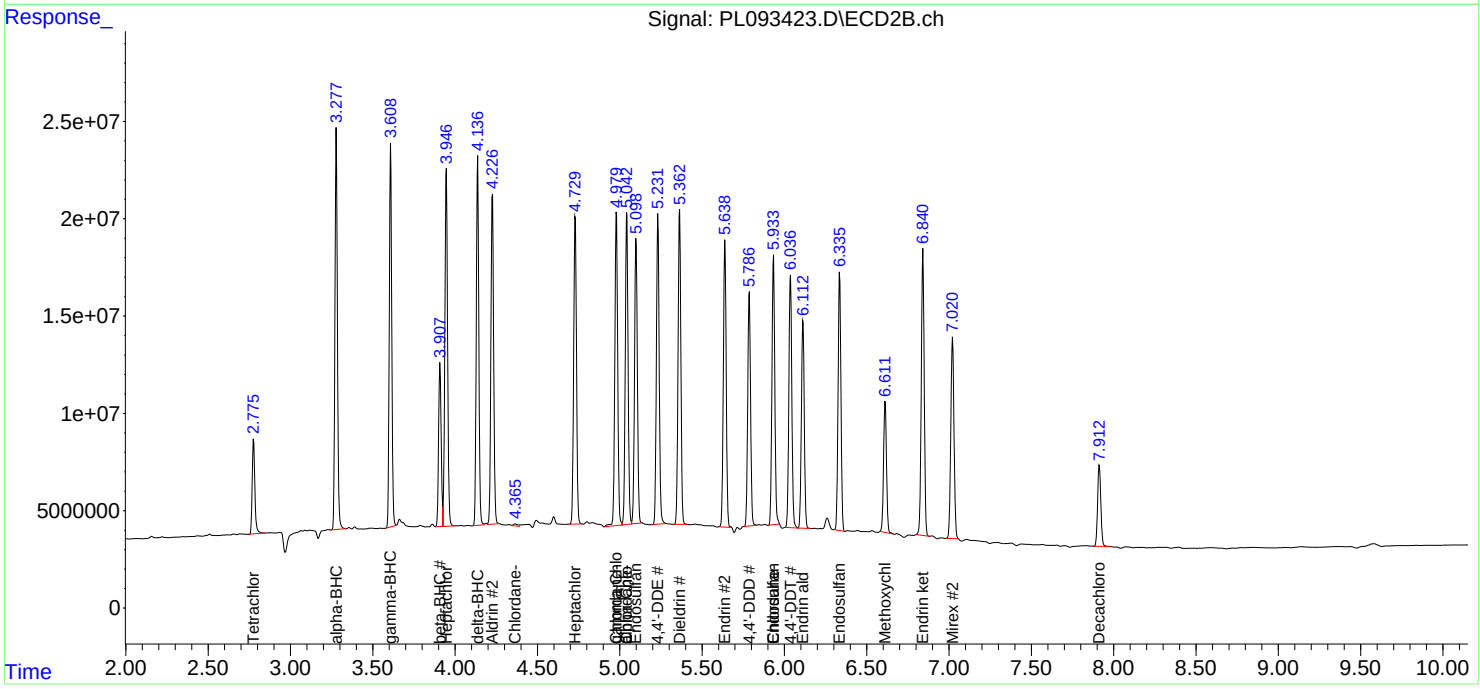
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:24
Operator : AR\AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

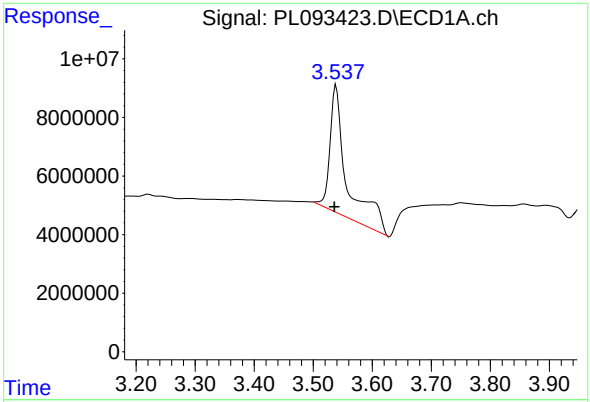
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



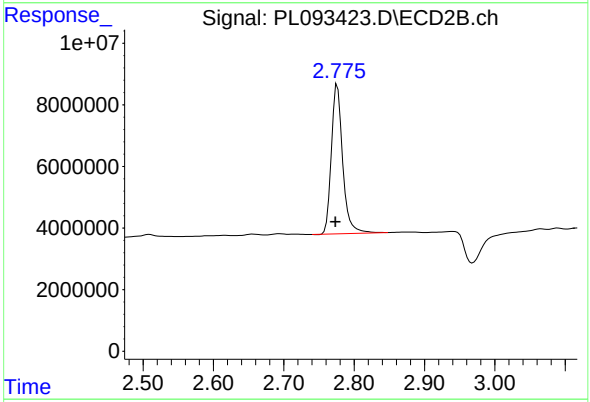




#1 Tetrachloro-m-xylene

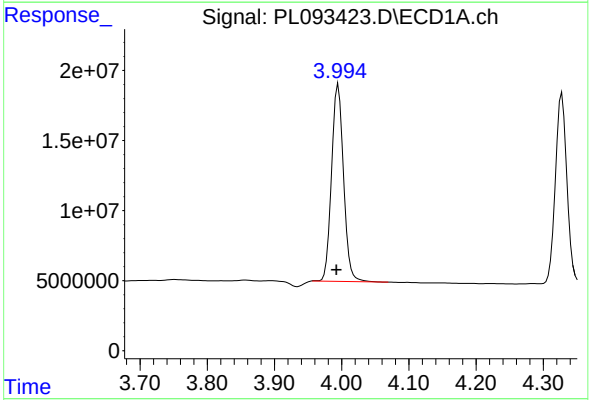
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 87556106
Conc: 33.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



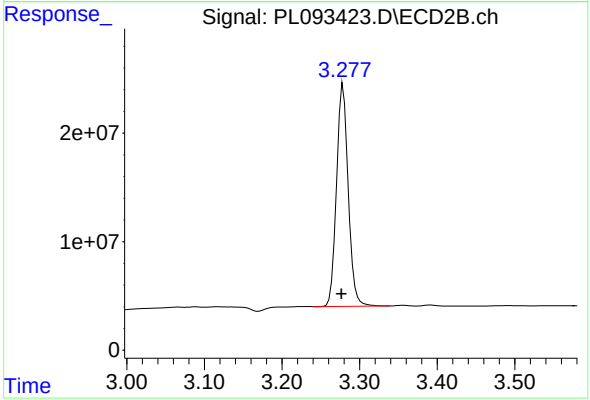
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.003 min
Response: 54190459
Conc: 18.79 ng/ml



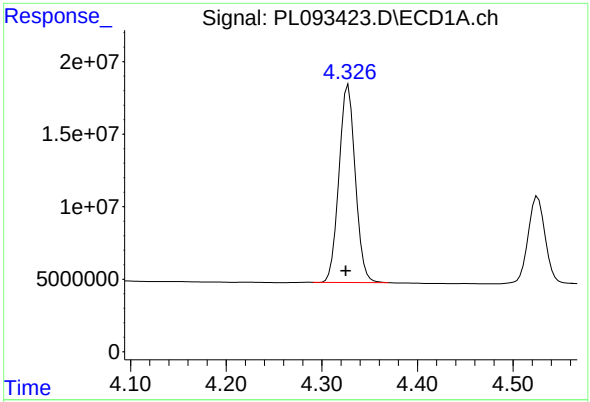
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 172466700
Conc: 48.33 ng/ml



#2 alpha-BHC

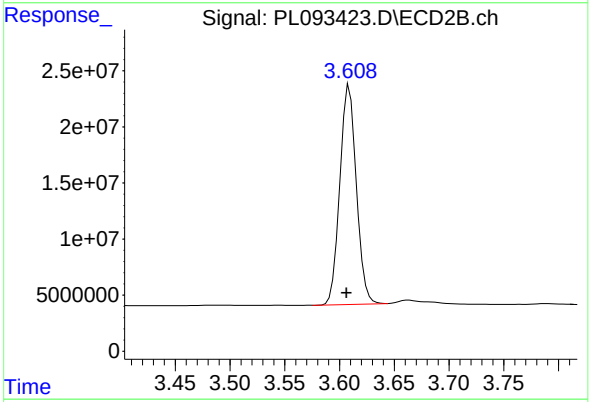
R.T.: 3.279 min
Delta R.T.: 0.002 min
Response: 215071406
Conc: 50.37 ng/ml



#3 gamma-BHC (Lindane)

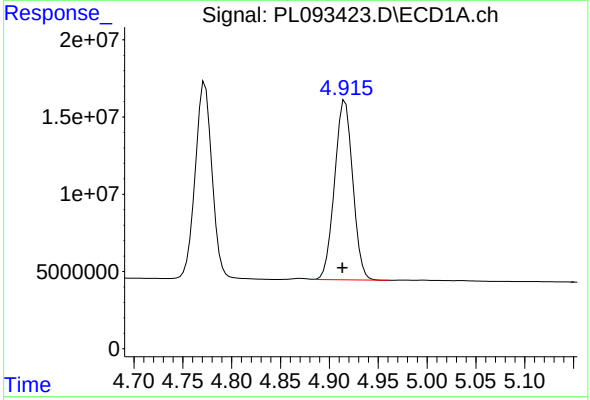
R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 162030299
Conc: 47.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



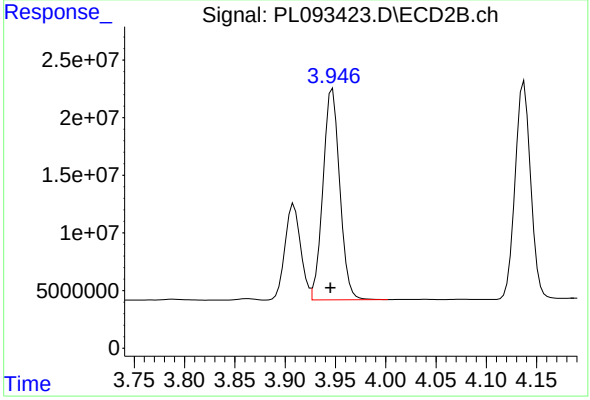
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.003 min
Response: 204929402
Conc: 49.50 ng/ml



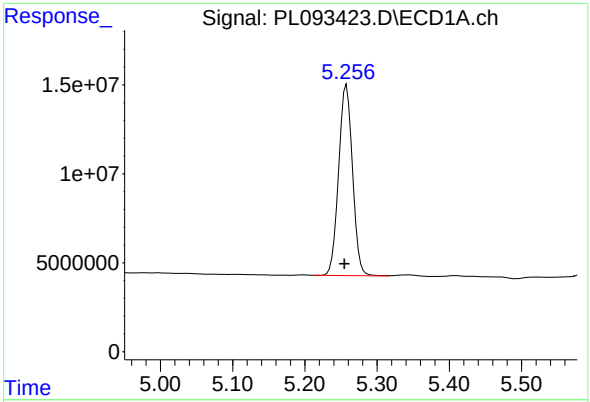
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 150178874
Conc: 49.14 ng/ml



#4 Heptachlor

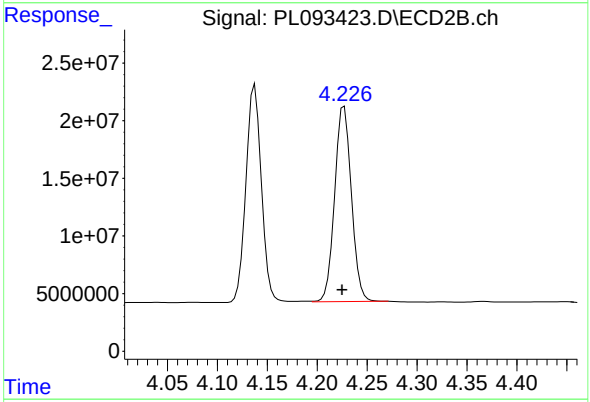
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 212142814
Conc: 52.44 ng/ml



#5 Aldrin

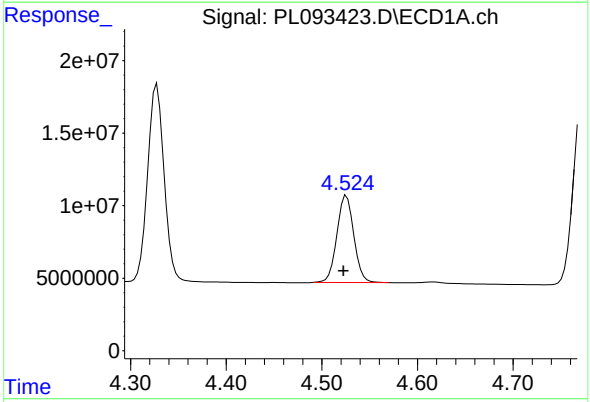
R.T.: 5.258 min
Delta R.T.: 0.003 min
Response: 142642233
Conc: 47.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



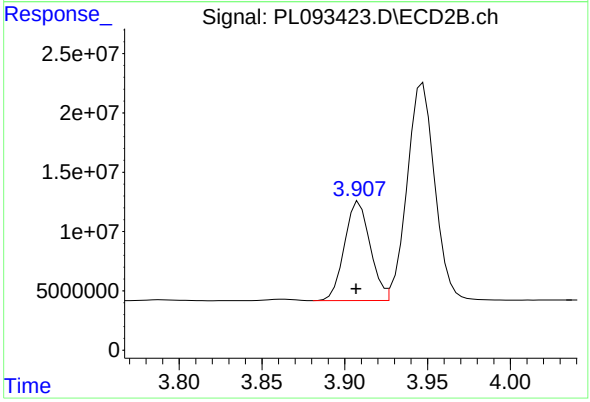
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 197836319
Conc: 49.72 ng/ml



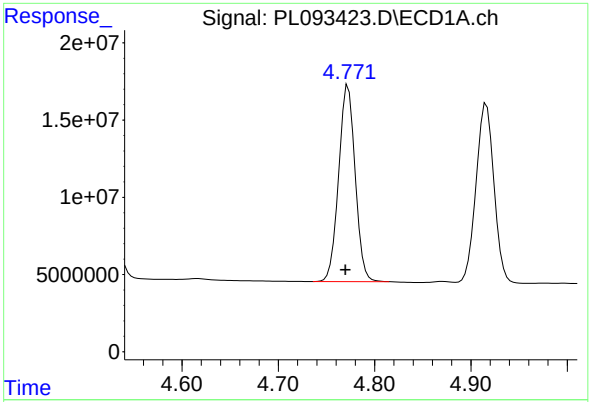
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 74120583
Conc: 49.10 ng/ml



#6 beta-BHC

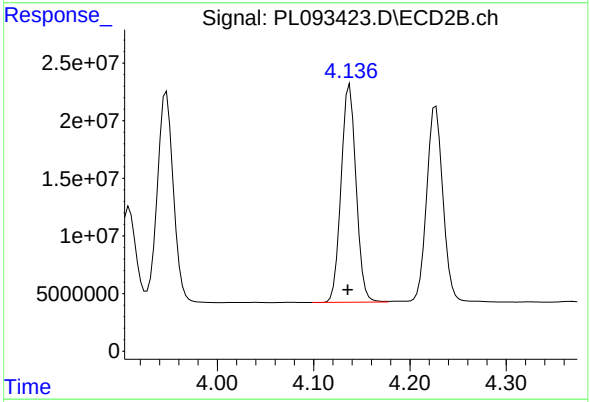
R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 90131985
Conc: 50.67 ng/ml



#7 delta-BHC

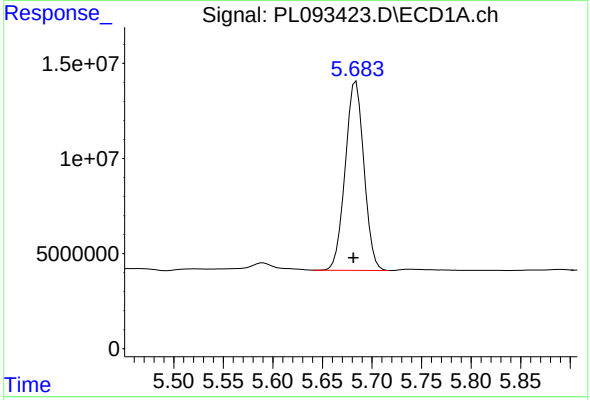
R.T.: 4.773 min
Delta R.T.: 0.003 min
Response: 151067698
Conc: 45.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



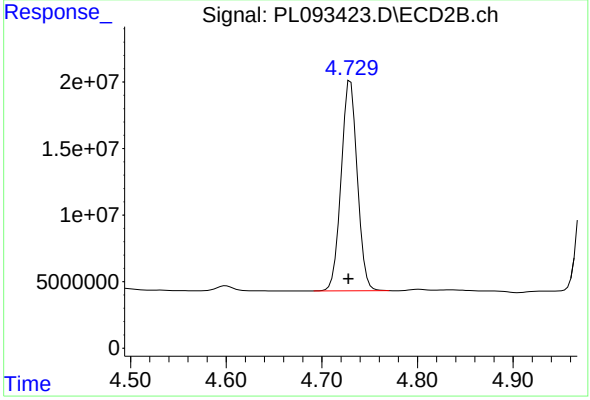
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.002 min
Response: 202944305
Conc: 47.57 ng/ml



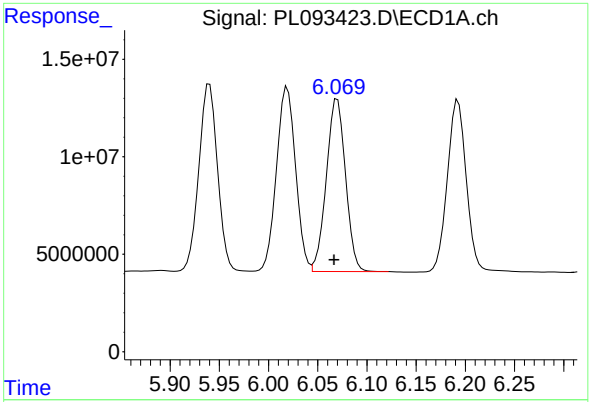
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 130524226
Conc: 47.01 ng/ml



#8 Heptachlor epoxide

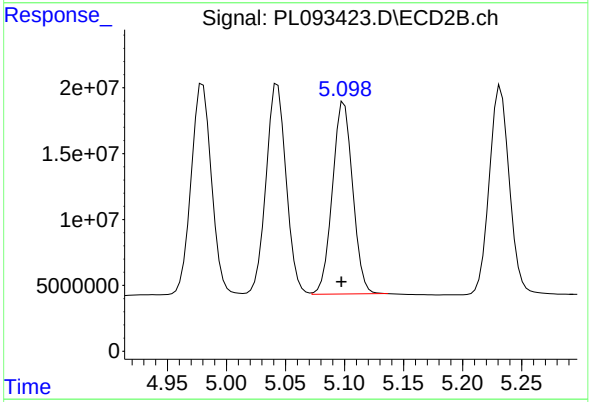
R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 186029413
Conc: 51.08 ng/ml



#9 Endosulfan I

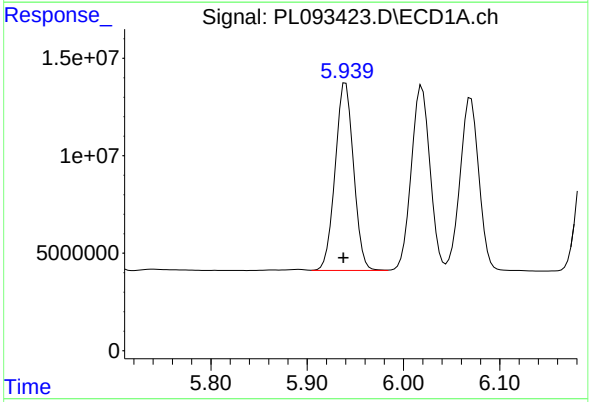
R.T.: 6.070 min
Delta R.T.: 0.003 min
Response: 120206464
Conc: 49.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



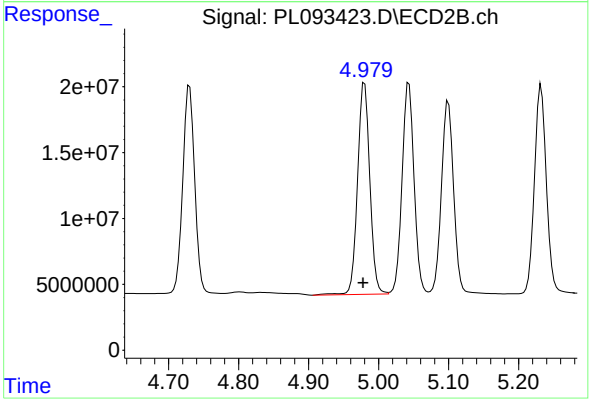
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.002 min
Response: 174194398
Conc: 52.11 ng/ml



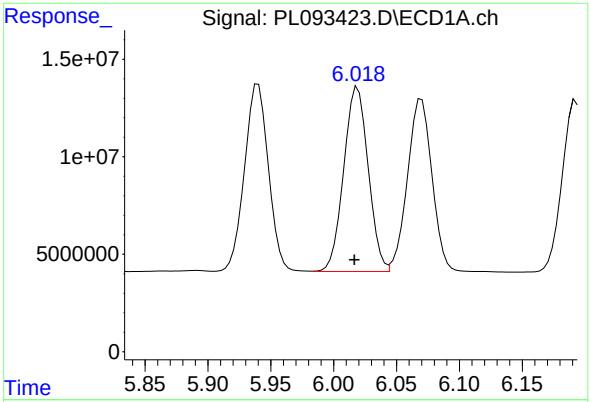
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.003 min
Response: 127466493
Conc: 49.48 ng/ml



#10 gamma-Chlordane

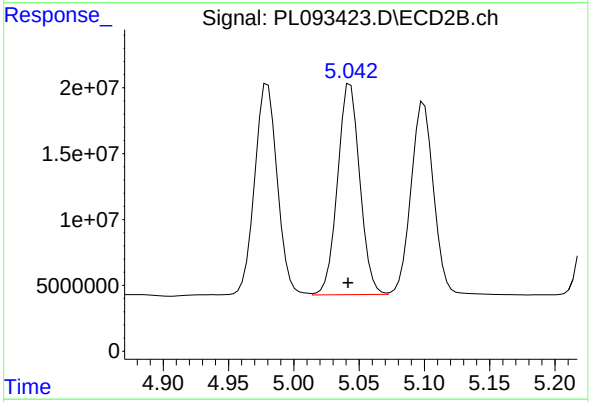
R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 195864841
Conc: 52.86 ng/ml



#11 alpha-Chlordane

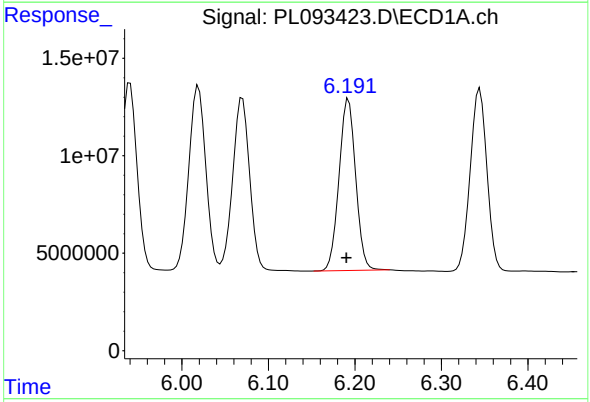
R.T.: 6.019 min
Delta R.T.: 0.003 min
Response: 128366567
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



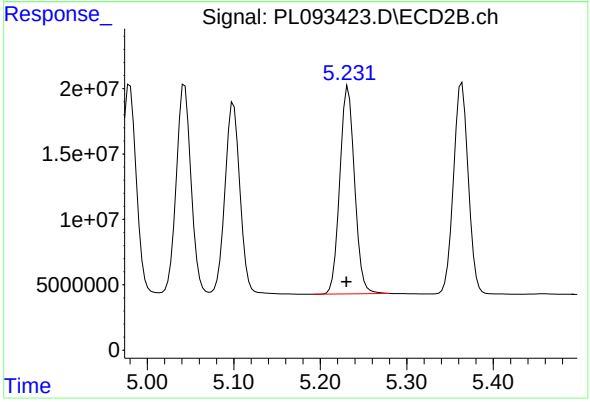
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.002 min
Response: 190019466
Conc: 52.34 ng/ml



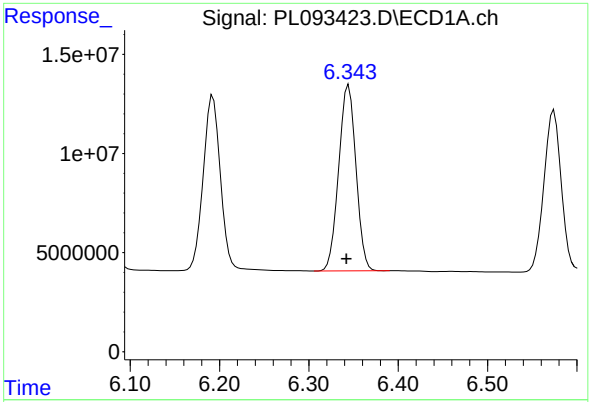
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 117082036
Conc: 50.05 ng/ml



#12 4,4'-DDE

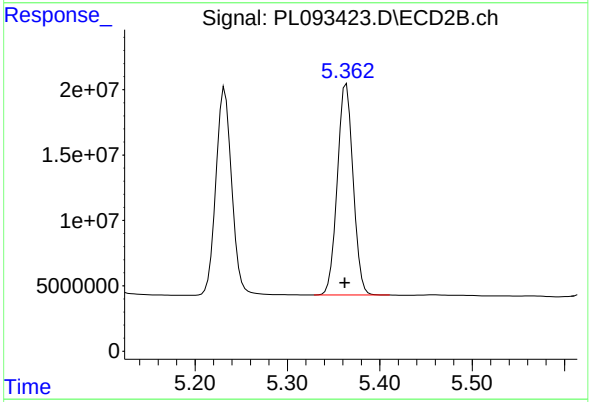
R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 187320526
Conc: 52.32 ng/ml



#13 Dieldrin

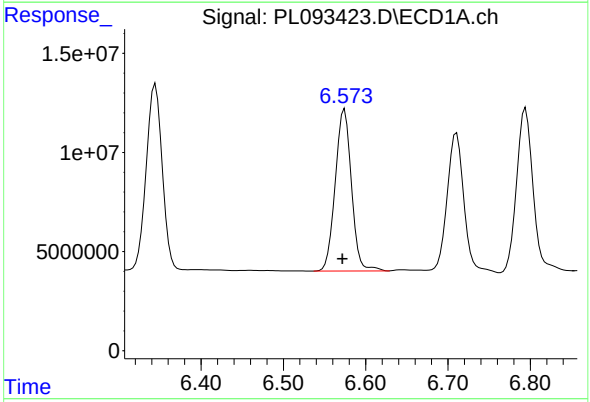
R.T.: 6.345 min
Delta R.T.: 0.002 min
Response: 125961818
Conc: 49.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



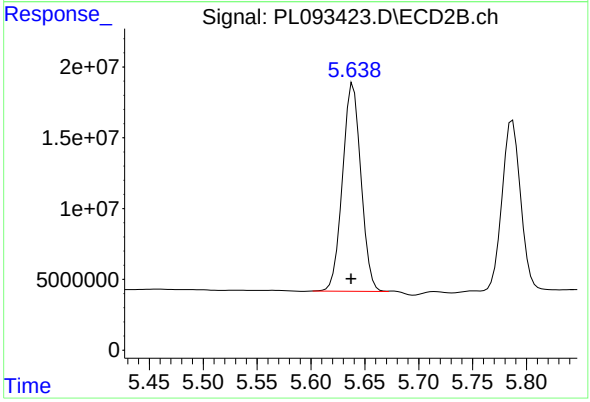
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 191940036
Conc: 52.08 ng/ml



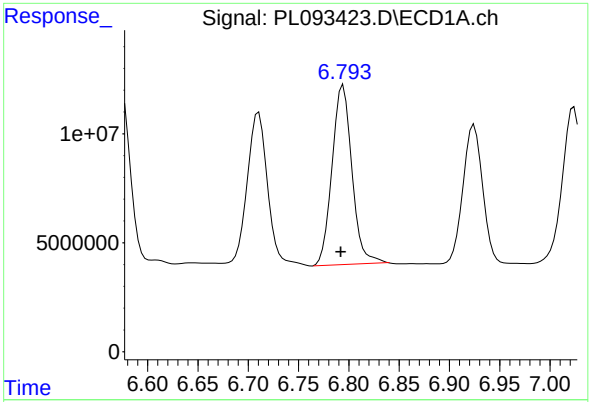
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.003 min
Response: 111727459
Conc: 53.27 ng/ml



#14 Endrin

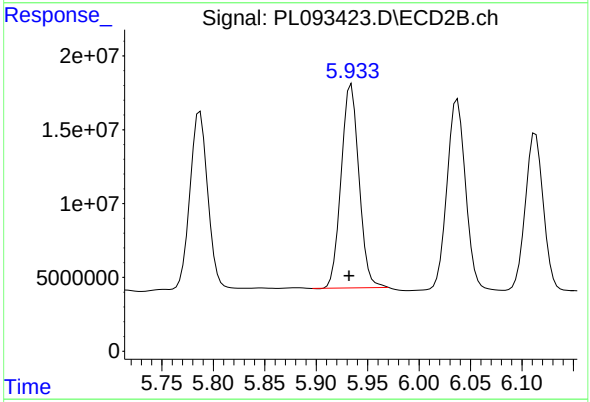
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 175122676
Conc: 54.91 ng/ml



#15 Endosulfan II

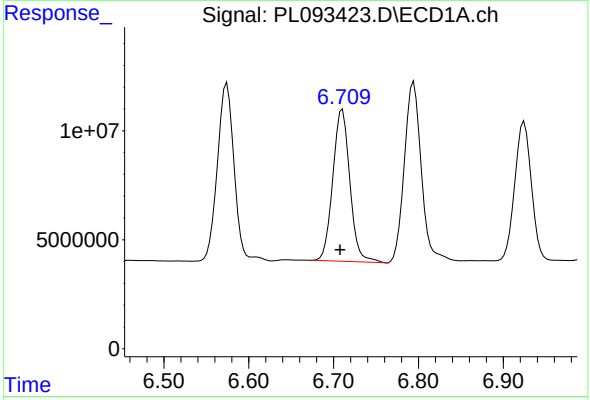
R.T.: 6.794 min
Delta R.T.: 0.003 min
Response: 112952495
Conc: 51.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



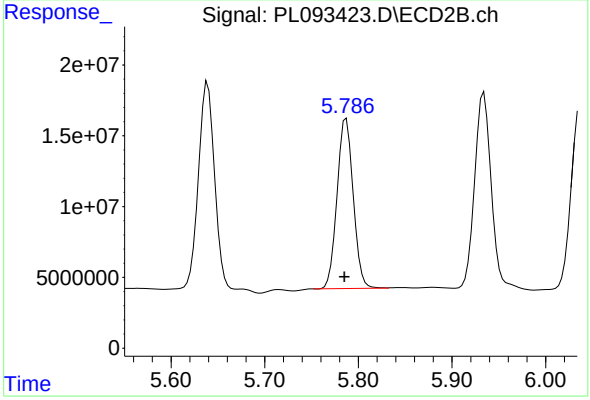
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.002 min
Response: 166579226
Conc: 52.57 ng/ml



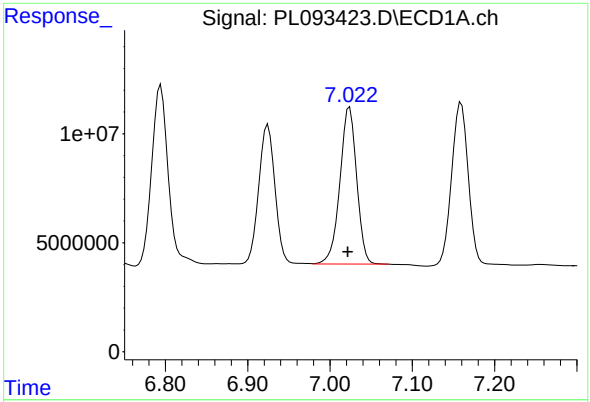
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.003 min
Response: 97164827
Conc: 53.03 ng/ml



#16 4,4'-DDD

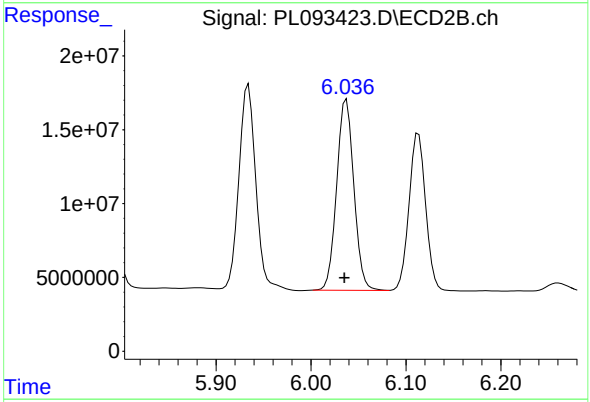
R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 144124438
Conc: 51.41 ng/ml



#17 4,4'-DDT

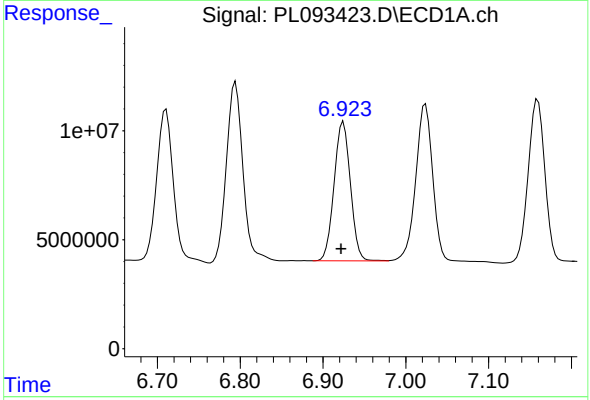
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 102136382
Conc: 52.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



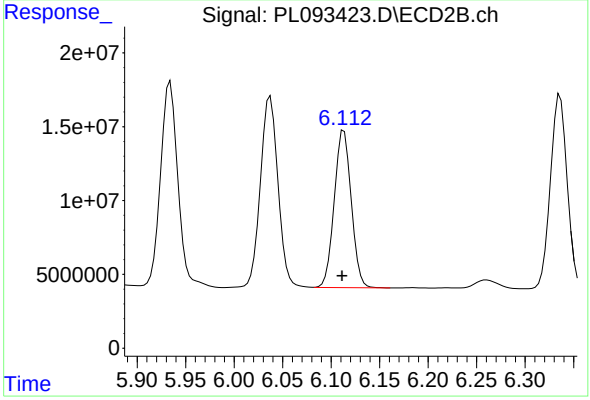
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.002 min
Response: 163011089
Conc: 55.04 ng/ml



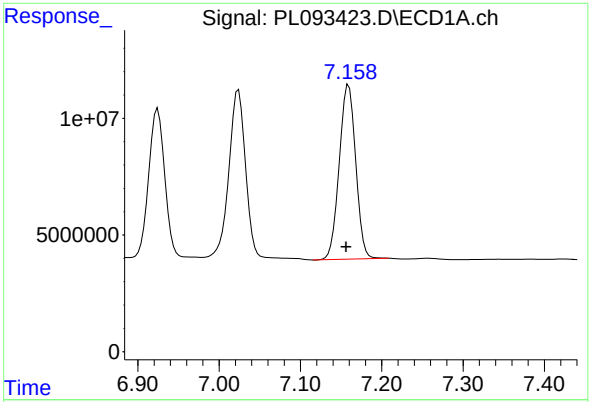
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.003 min
Response: 87554685
Conc: 48.46 ng/ml



#18 Endrin aldehyde

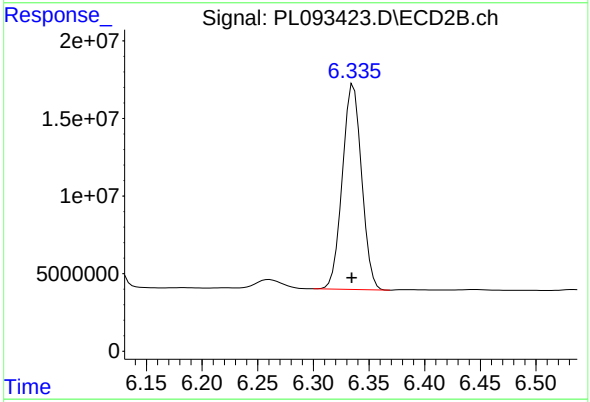
R.T.: 6.113 min
Delta R.T.: 0.002 min
Response: 129848757
Conc: 49.52 ng/ml



#19 Endosulfan Sulfate

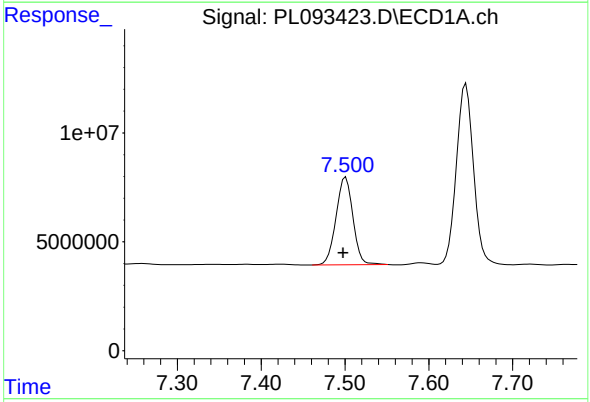
R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 105042279
Conc: 50.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



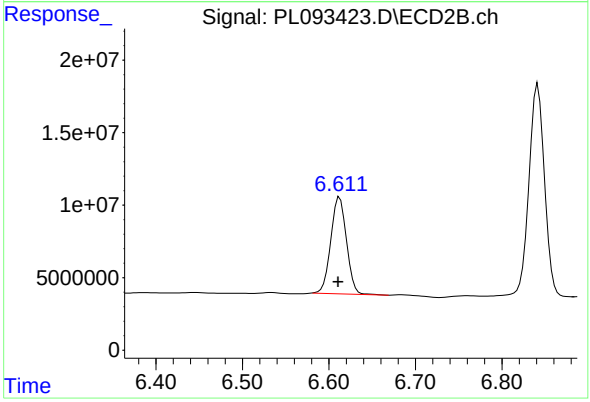
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.002 min
Response: 159430851
Conc: 52.45 ng/ml



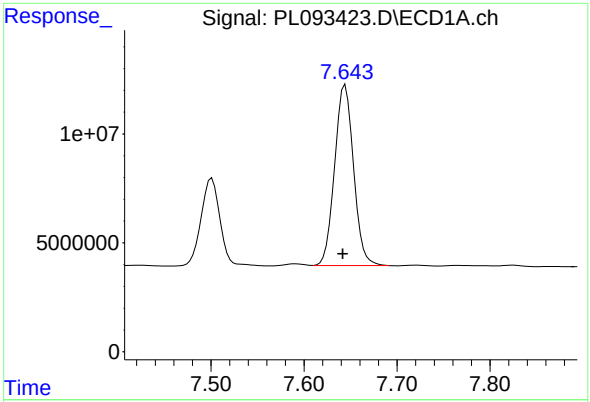
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 56413444
Conc: 53.99 ng/ml



#20 Methoxychlor

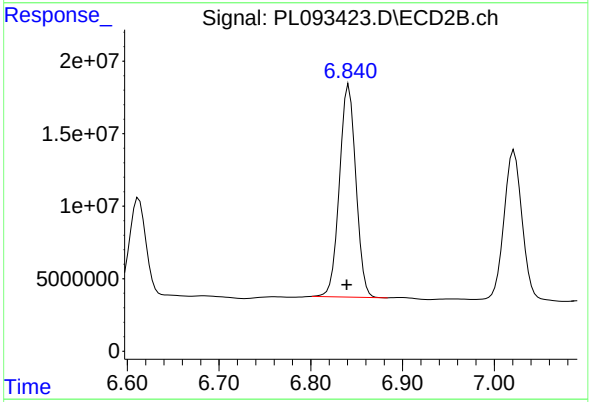
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 83675858
Conc: 54.80 ng/ml



#21 Endrin ketone

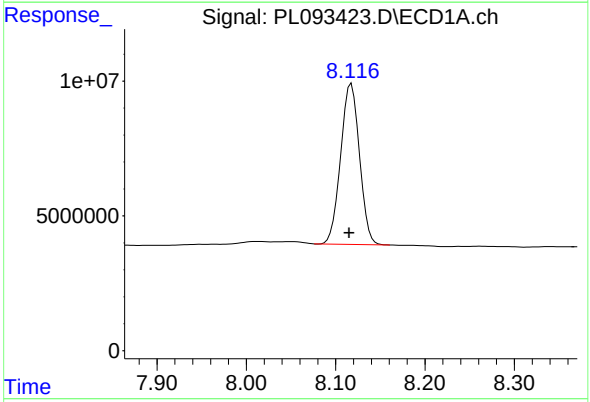
R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 117516199
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



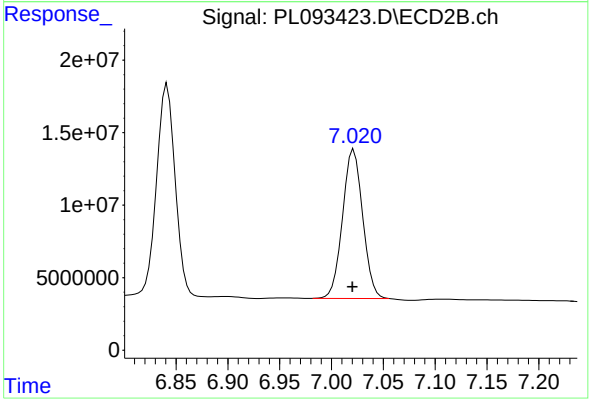
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.002 min
Response: 182313557
Conc: 54.31 ng/ml



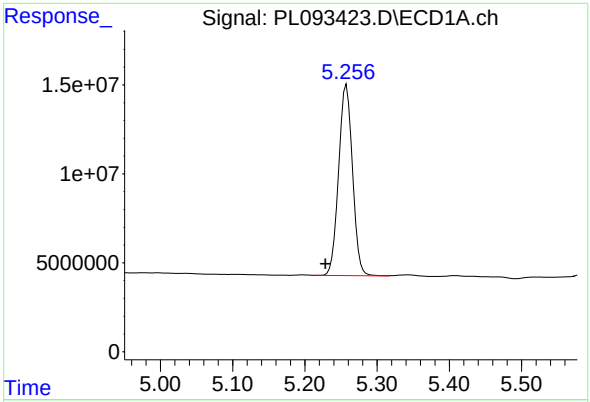
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 87244952
Conc: 48.30 ng/ml



#22 Mirex

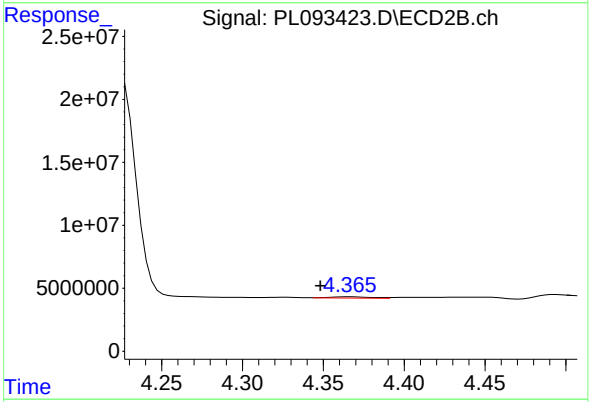
R.T.: 7.021 min
Delta R.T.: 0.001 min
Response: 139135866
Conc: 51.79 ng/ml



#24 Chlordane-2

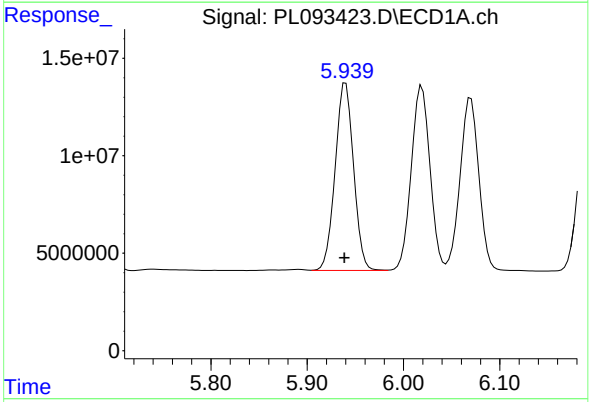
R.T.: 5.258 min
Delta R.T.: 0.030 min
Response: 142642233
Conc: 1244.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



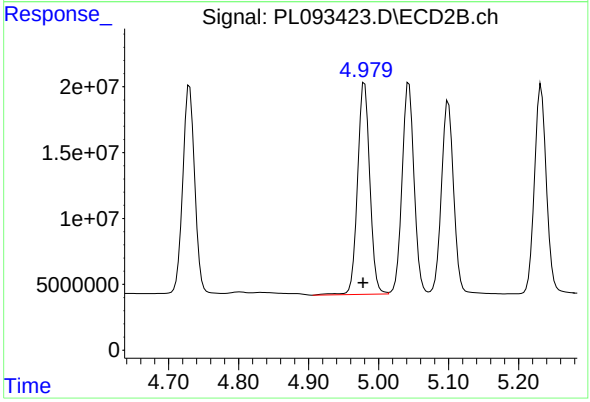
#24 Chlordane-2

R.T.: 4.366 min
Delta R.T.: 0.018 min
Response: 1925918
Conc: 14.37 ng/ml



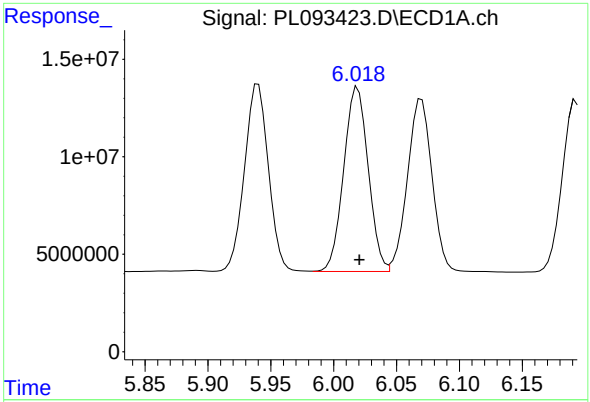
#25 Chlordane-3

R.T.: 5.940 min
Delta R.T.: 0.002 min
Response: 127466493
Conc: 334.36 ng/ml



#25 Chlordane-3

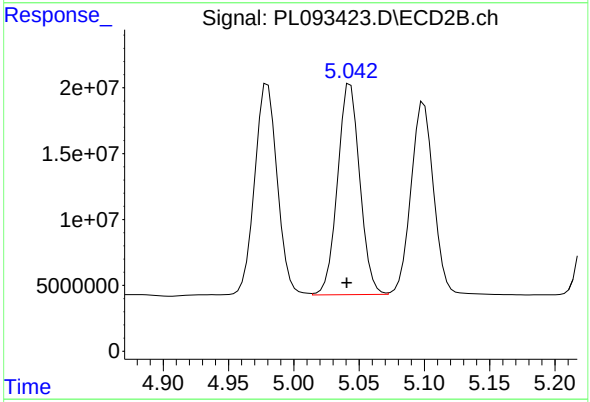
R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 195864841
Conc: 487.45 ng/ml



#26 Chlordane-4

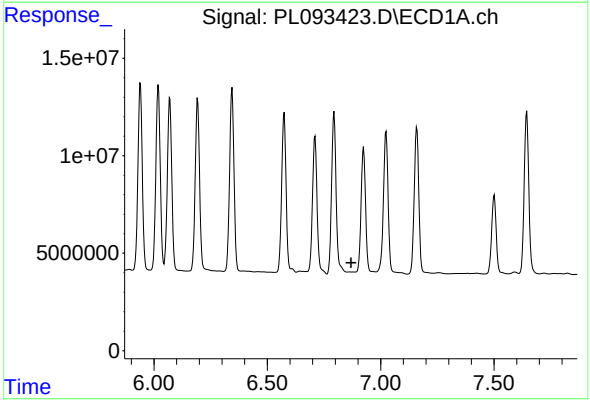
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 128366567
Conc: 276.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



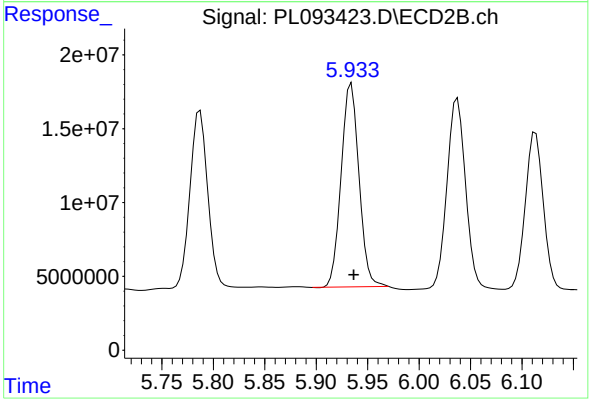
#26 Chlordane-4

R.T.: 5.043 min
Delta R.T.: 0.003 min
Response: 190019466
Conc: 487.17 ng/ml



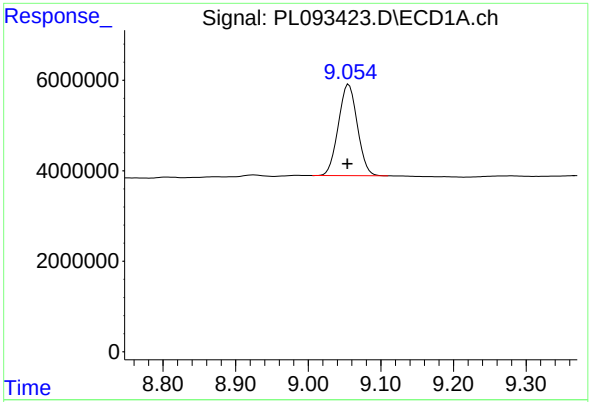
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

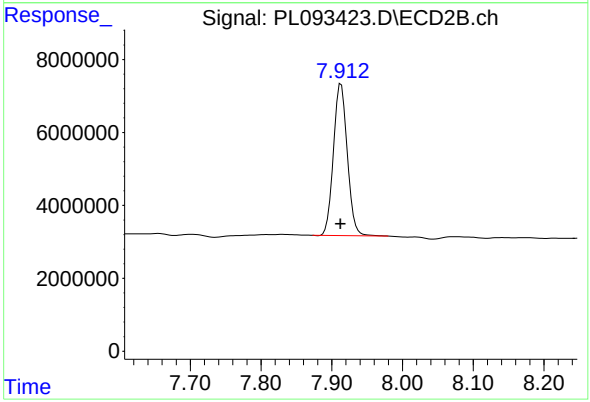
R.T.: 5.934 min
Delta R.T.: -0.002 min
Response: 166579226
Conc: 1215.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 36734068
Conc: 21.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-07-121224MSD



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 56641240
Conc: 19.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:38
Operator : AR\AJ
Sample : P5306-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	105.1E6	64888228	40.456	22.499	#
28)	SA Decachlor...	9.057	7.913	38836084	59809368	22.338	20.938	
	Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	395470	N.D.	0.093	#
4)	MA Heptachlor	0.000	3.951	0	911171	N.D.	0.225	#
5)	MB Aldrin	0.000	4.225	0	743910	N.D.	0.187	#
6)	B beta-BHC	4.503f	3.914	1370759	1288064	0.908	0.724	
7)	B delta-BHC	0.000	4.123	0	427468	N.D.	0.100	#
8)	B Heptachlo...	0.000	4.710f	0	1412651	N.D.	0.388	#
10)	B gamma-Chl...	0.000	4.994f	0	788353	N.D.	0.213	#
11)	B alpha-Chl...	0.000	5.040	0	248319	N.D.	0.068	#
13)	MA Dieldrin	0.000	5.372	0	290831	N.D.	0.079	#
14)	MA Endrin	0.000	5.642	0	1093945	N.D.	0.343	#
21)	B Endrin ke...	7.664f	6.820f	2842950	1562296	1.253	0.465	#
22)	Mirex	0.000	7.002f	0	1280036	N.D.	0.476	#
23)	Chlordane-1	0.000	3.788f	0	2412163	N.D.	20.754	#
24)	Chlordane-2	0.000	4.368f	0	1961716	N.D.	14.640	#
25)	Chlordane-3	0.000	4.994	0	788353	N.D.	1.962	#
26)	Chlordane-4	0.000	5.040	0	248319	N.D.	0.637	#

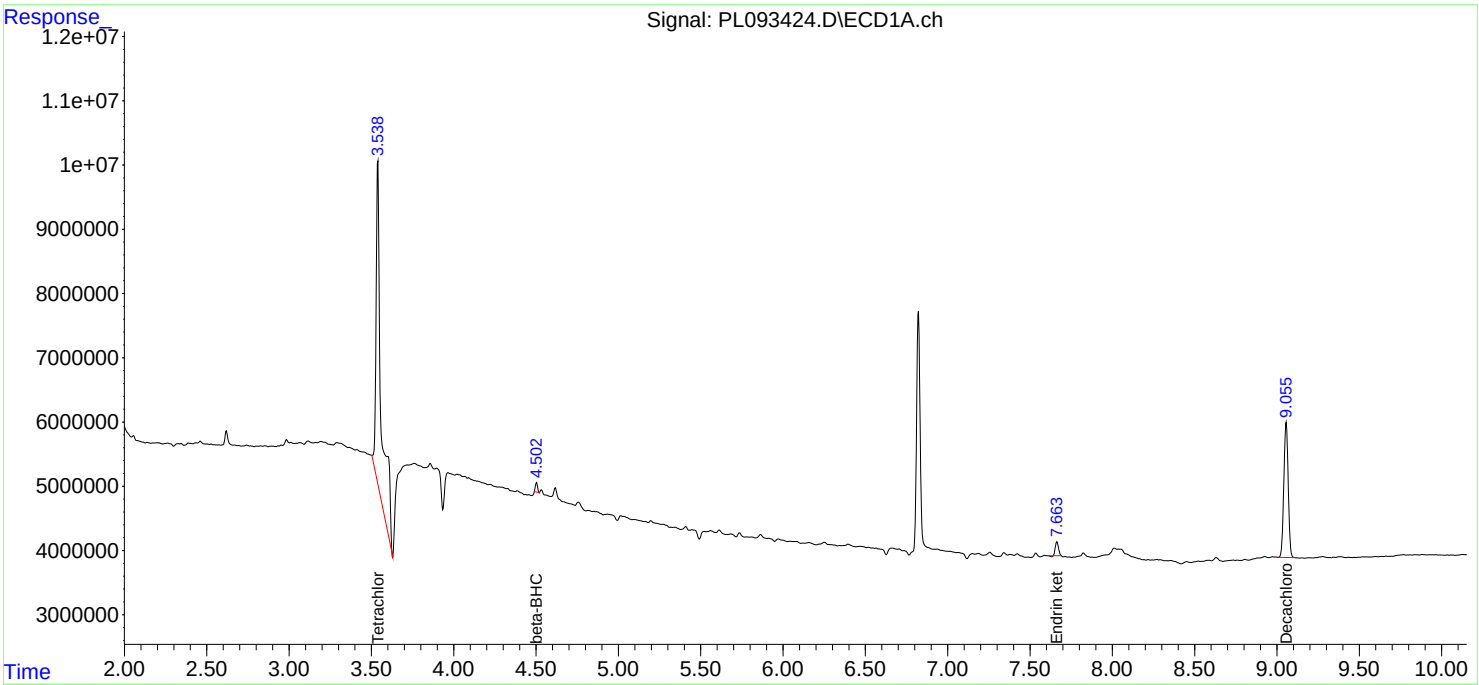
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

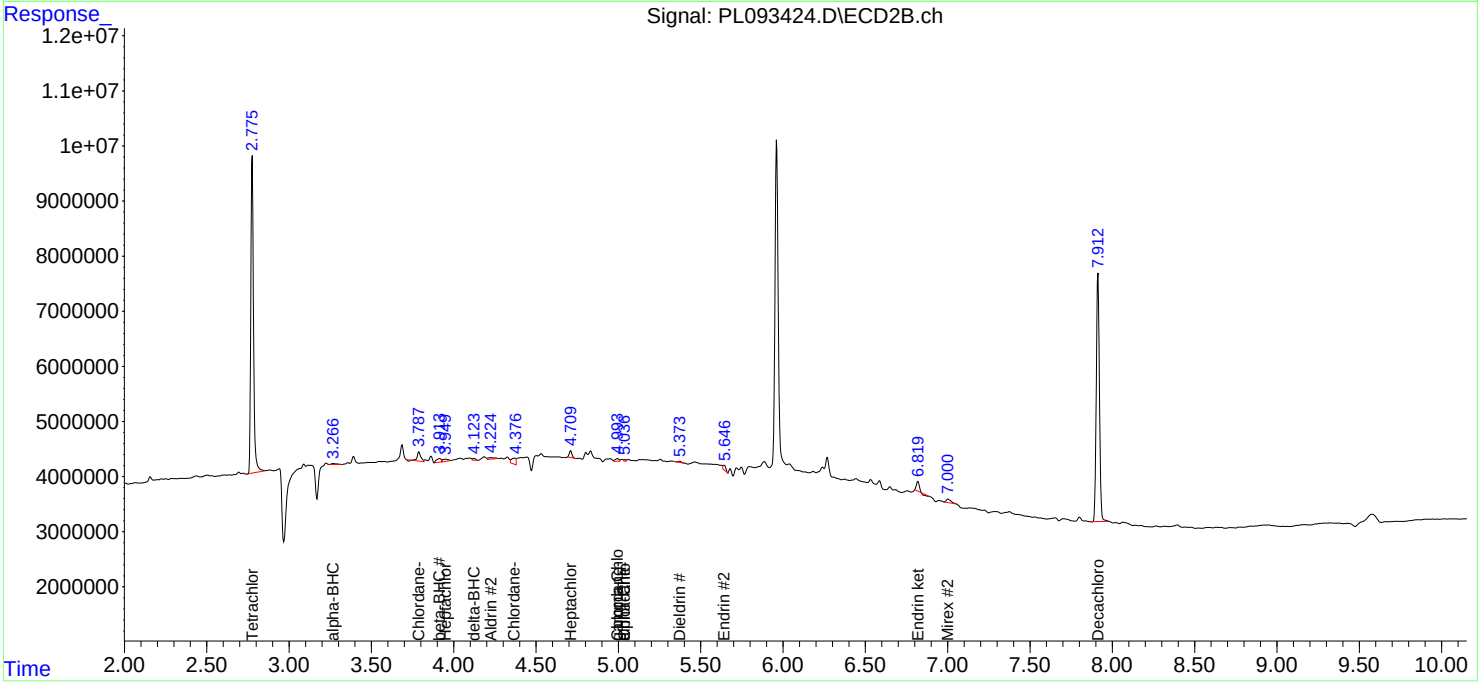
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:38
Operator : AR\AJ
Sample : P5306-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

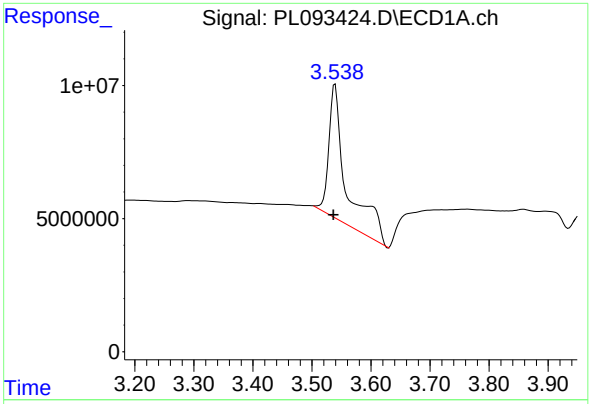
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:29:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



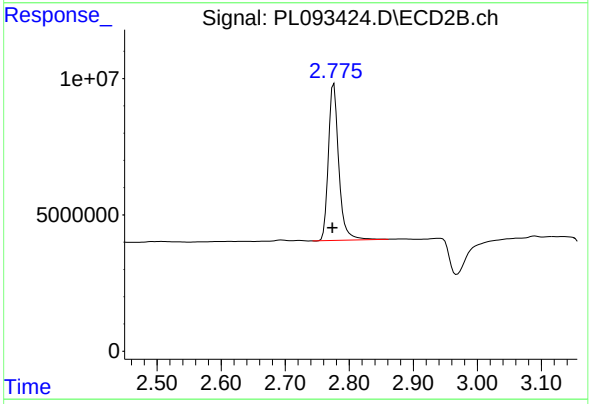




#1 Tetrachloro-m-xylene

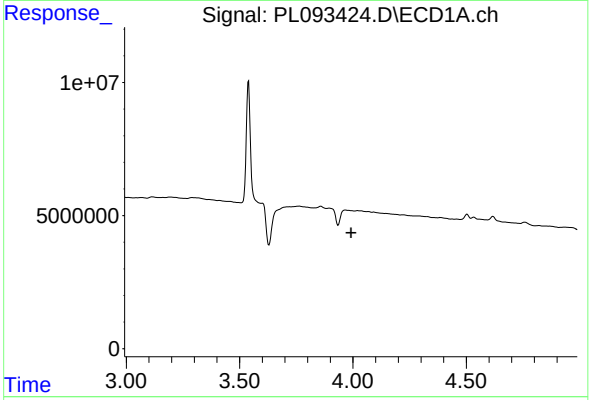
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 105144043
Conc: 40.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



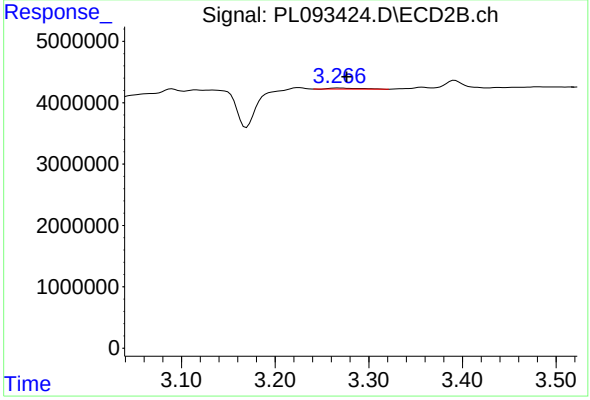
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 64888228
Conc: 22.50 ng/ml



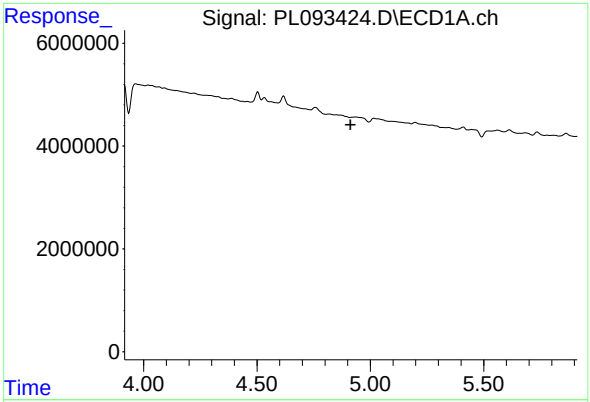
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

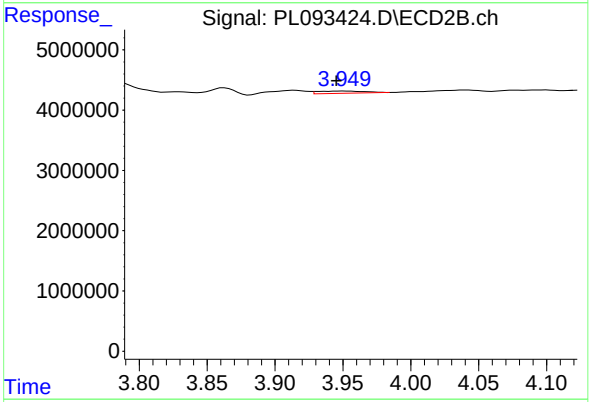
R.T.: 3.267 min
Delta R.T.: -0.009 min
Response: 395470
Conc: 0.09 ng/ml



#4 Heptachlor

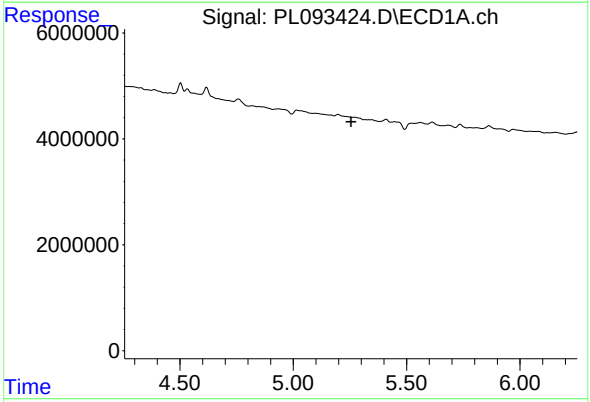
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



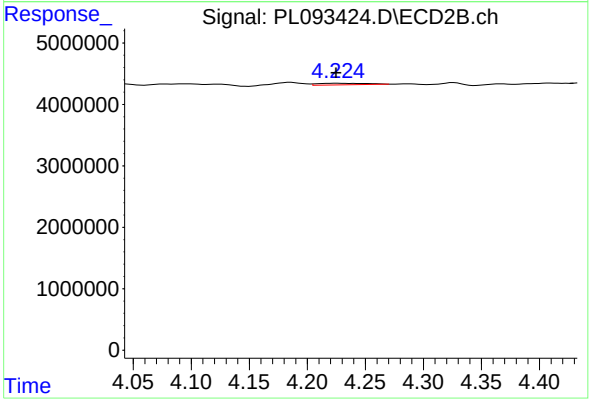
#4 Heptachlor

R.T.: 3.951 min
Delta R.T.: 0.006 min
Response: 911171
Conc: 0.23 ng/ml



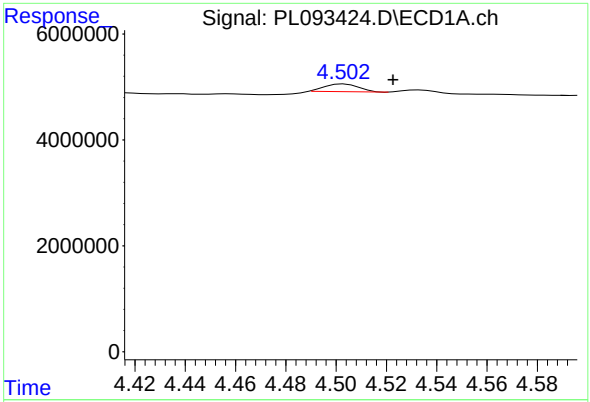
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

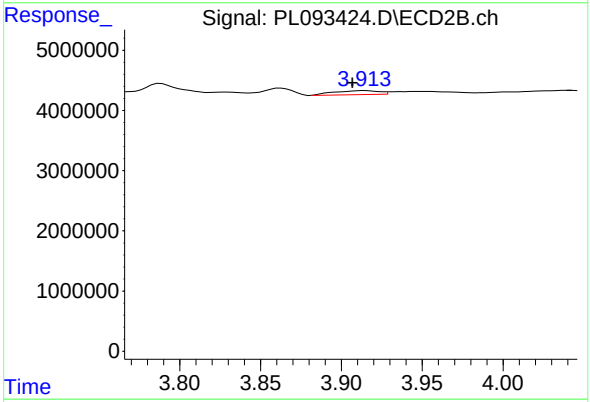
R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 743910
Conc: 0.19 ng/ml



#6 beta-BHC

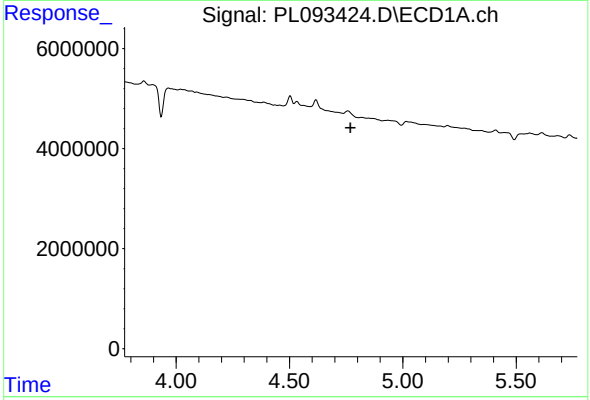
R.T.: 4.503 min
Delta R.T.: -0.019 min
Response: 1370759
Conc: 0.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



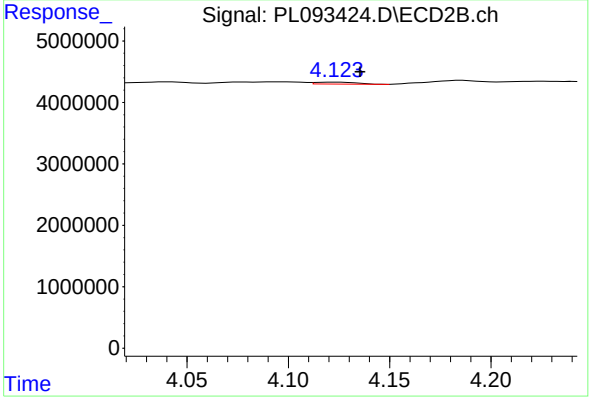
#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: 0.008 min
Response: 1288064
Conc: 0.72 ng/ml



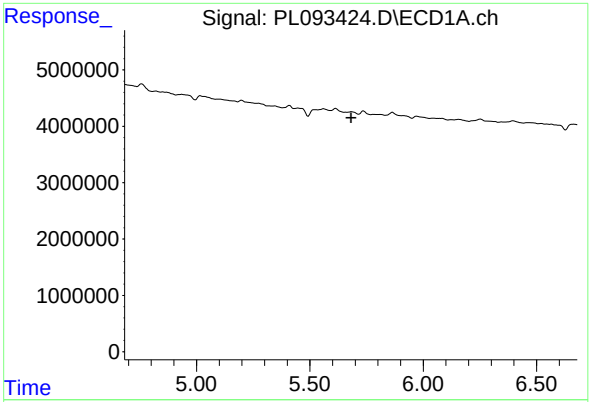
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

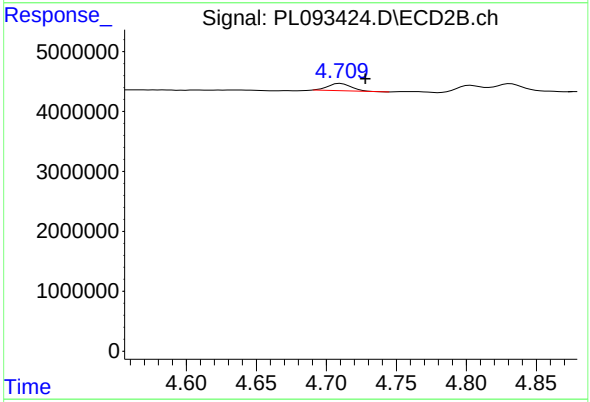
R.T.: 4.123 min
Delta R.T.: -0.012 min
Response: 427468
Conc: 0.10 ng/ml



#8 Heptachlor epoxide

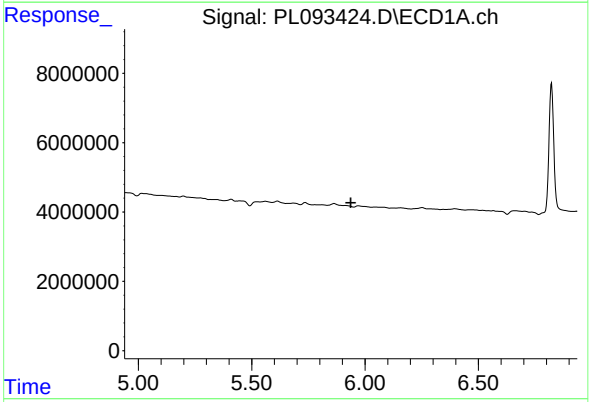
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



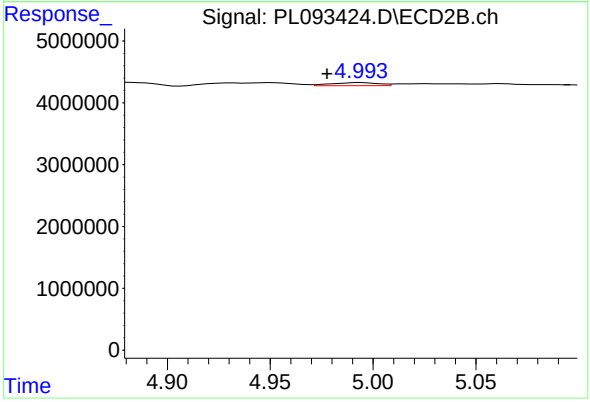
#8 Heptachlor epoxide

R.T.: 4.710 min
Delta R.T.: -0.017 min
Response: 1412651
Conc: 0.39 ng/ml



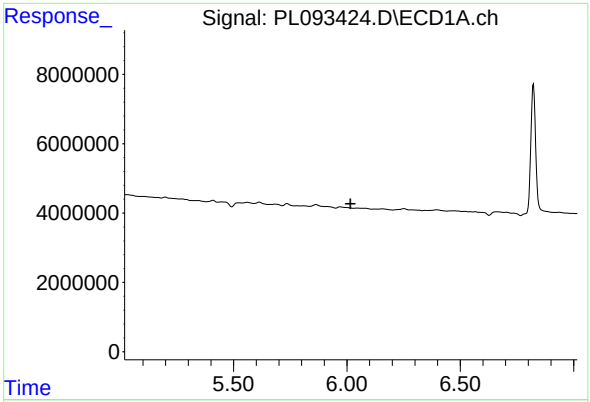
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

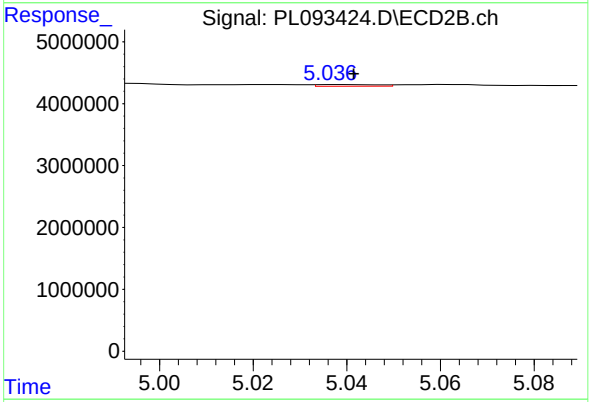
R.T.: 4.994 min
Delta R.T.: 0.017 min
Response: 788353
Conc: 0.21 ng/ml



#11 alpha-Chlordane

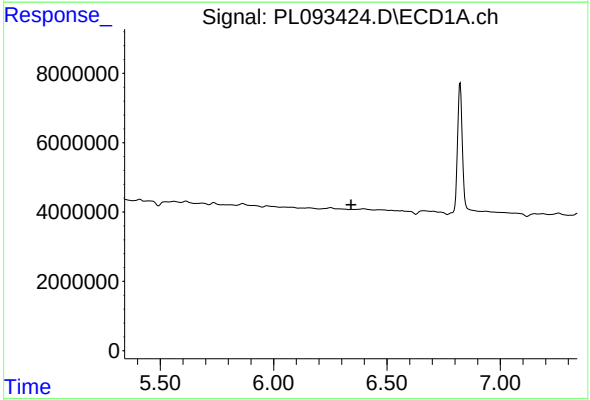
R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



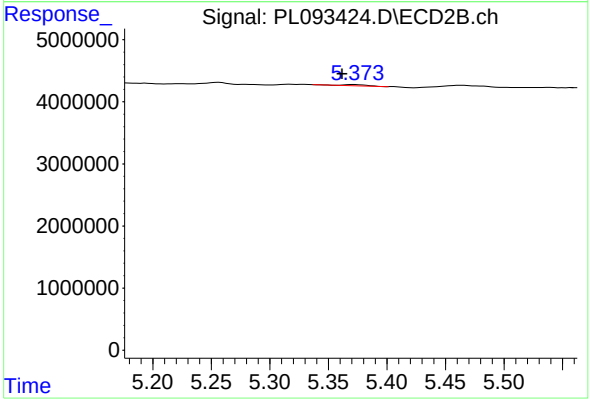
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.002 min
Response: 248319
Conc: 0.07 ng/ml



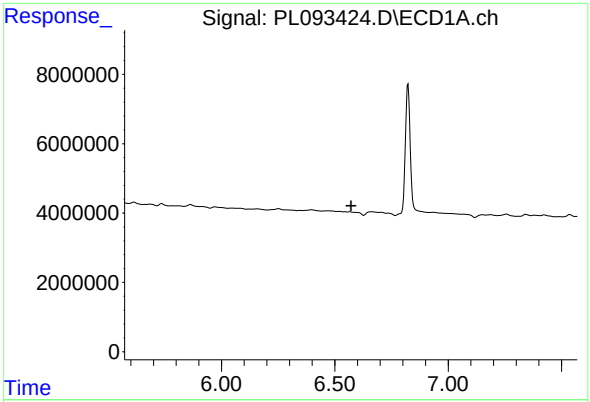
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

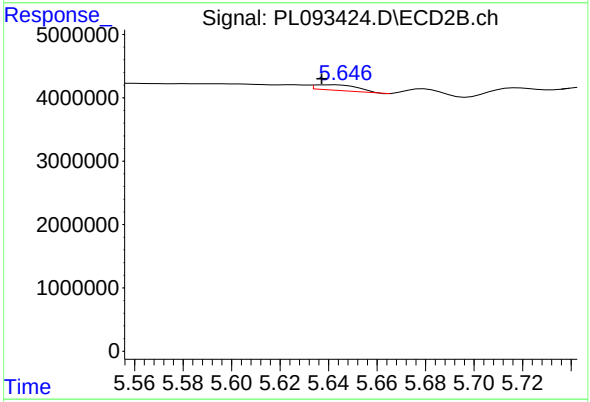
R.T.: 5.372 min
Delta R.T.: 0.010 min
Response: 290831
Conc: 0.08 ng/ml



#14 Endrin

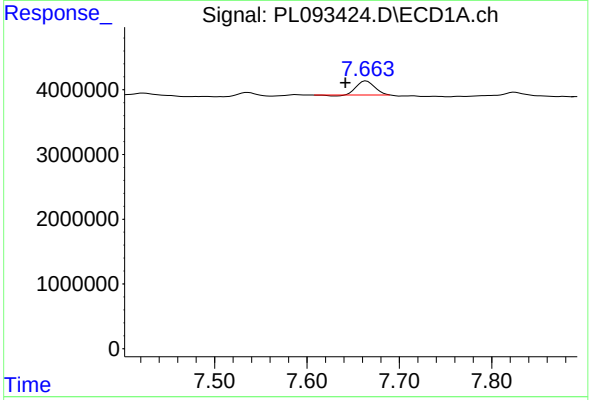
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



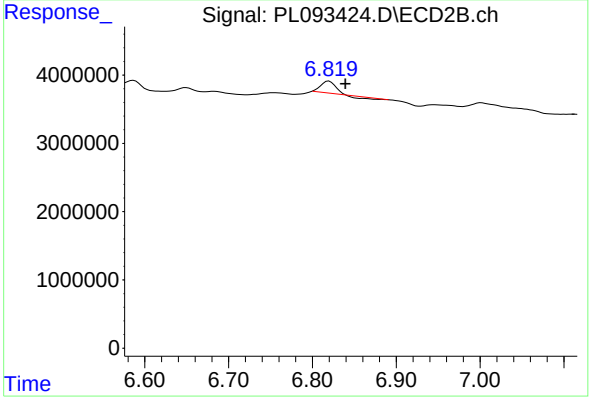
#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.005 min
Response: 1093945
Conc: 0.34 ng/ml



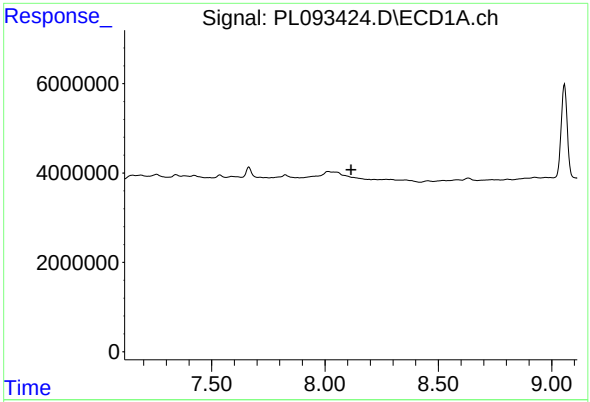
#21 Endrin ketone

R.T.: 7.664 min
Delta R.T.: 0.023 min
Response: 2842950
Conc: 1.25 ng/ml



#21 Endrin ketone

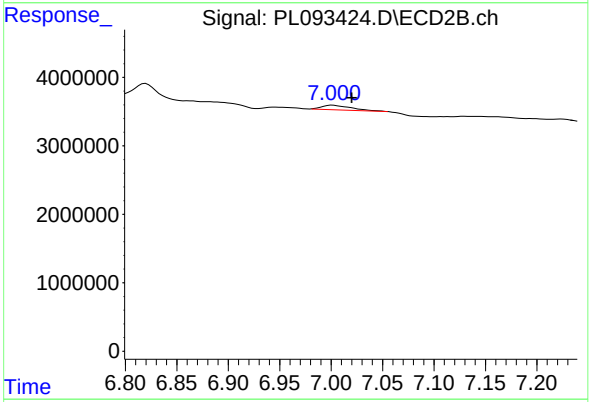
R.T.: 6.820 min
Delta R.T.: -0.020 min
Response: 1562296
Conc: 0.47 ng/ml



#22 Mirex

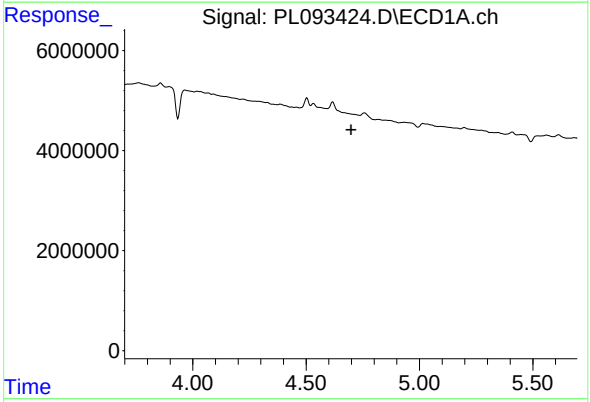
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



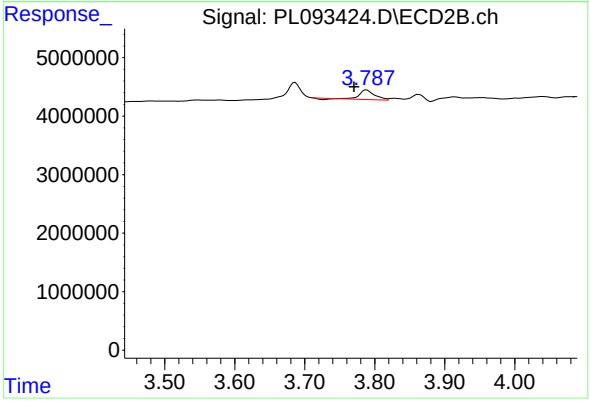
#22 Mirex

R.T.: 7.002 min
Delta R.T.: -0.019 min
Response: 1280036
Conc: 0.48 ng/ml



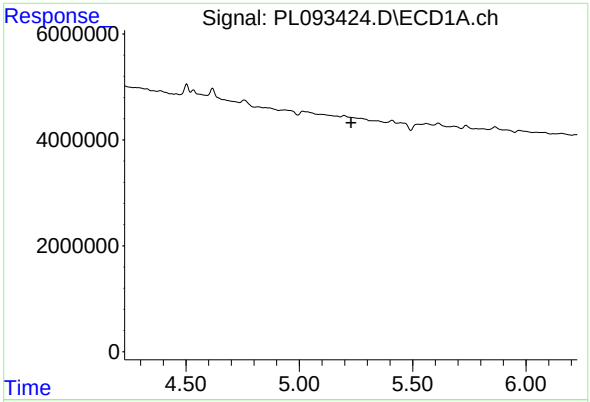
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.



#23 Chlordane-1

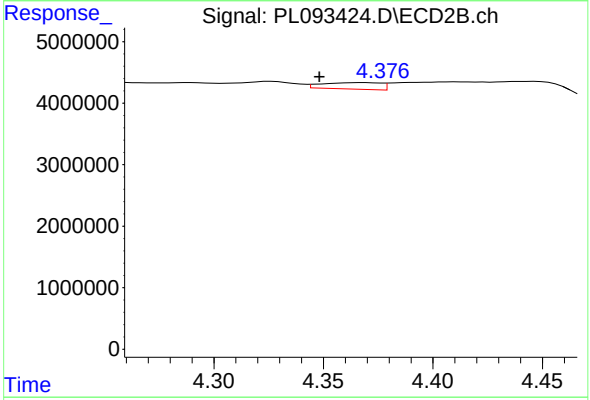
R.T.: 3.788 min
Delta R.T.: 0.018 min
Response: 2412163
Conc: 20.75 ng/ml



#24 Chlordane-2

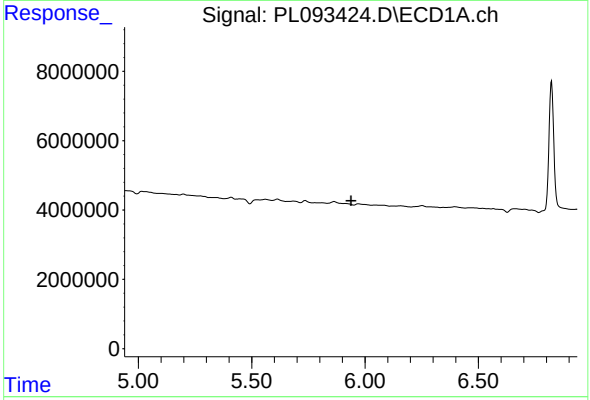
R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



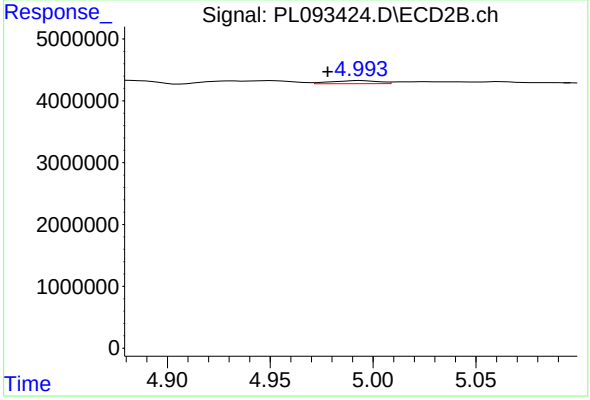
#24 Chlordane-2

R.T.: 4.368 min
Delta R.T.: 0.019 min
Response: 1961716
Conc: 14.64 ng/ml



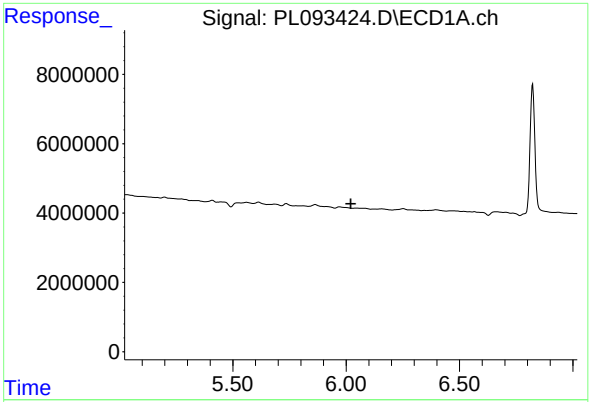
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

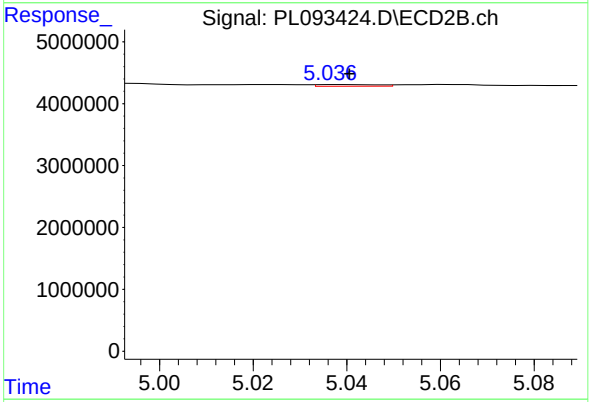
R.T.: 4.994 min
Delta R.T.: 0.016 min
Response: 788353
Conc: 1.96 ng/ml



#26 Chlordane-4

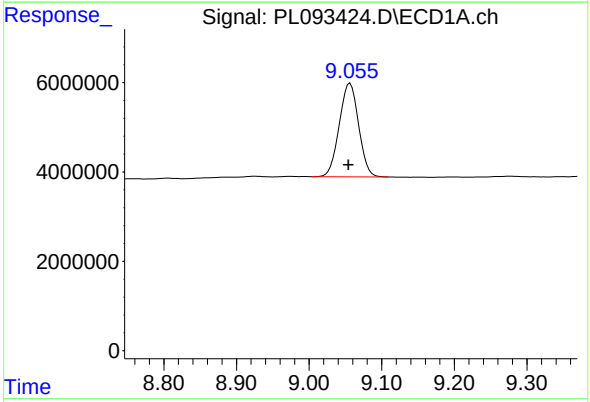
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-08-121224



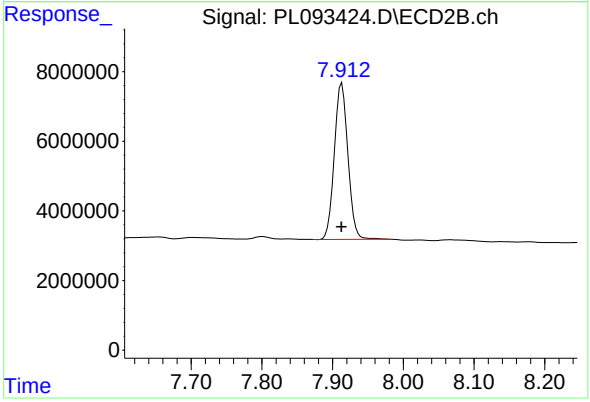
#26 Chlordane-4

R.T.: 5.040 min
Delta R.T.: -0.001 min
Response: 248319
Conc: 0.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 38836084
Conc: 22.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 59809368
Conc: 20.94 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:51
Operator : AR\AJ
Sample : P5306-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-VSL-09-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.777	105.3E6	62308012	40.503	21.605	#
28)	SA Decachlor...	9.055	7.913	40824870	63477813	23.482	22.223	
	Target Compounds							
2)	A alpha-BHC	0.000	3.269	0	189604	N.D.	0.044	#
4)	MA Heptachlor	0.000	3.945	0	1142890	N.D.	0.283	#
5)	MB Aldrin	0.000	4.252f	0	219284	N.D.	0.055	#
6)	B beta-BHC	4.503f	3.914	4065200	1383355	2.693	0.778	#
7)	B delta-BHC	0.000	4.122	0	309749	N.D.	0.073	#
8)	B Heptachlo...	0.000	4.709f	0	2141650	N.D.	0.588	#
9)	A Endosulfan I	0.000	5.082	0	294279	N.D.	0.088	#
10)	B gamma-Chl...	0.000	4.989	0	1191286	N.D.	0.322	#
11)	B alpha-Chl...	0.000	5.058f	0	1207731	N.D.	0.333	#
12)	B 4,4'-DDE	0.000	5.259f	0	1897320	N.D.	0.530	#
13)	MA Dieldrin	0.000	5.369	0	425346	N.D.	0.115	#
14)	MA Endrin	0.000	5.642	0	1236824	N.D.	0.388	#
17)	MA 4,4'-DDT	0.000	6.038	0	569488	N.D.	0.192	#
18)	B Endrin al...	0.000	6.090f	0	251278	N.D.	0.096	#
21)	B Endrin ke...	7.663f	6.819f	3824881	1126622	1.686	0.336	#
22)	Mirex	0.000	7.001f	0	1277022	N.D.	0.475	#
23)	Chlordane-1	0.000	3.788f	0	6805358	N.D.	58.551	#
24)	Chlordane-2	0.000	4.362	0	1249112	N.D.	9.322	#
25)	Chlordane-3	0.000	4.989	0	1191286	N.D.	2.965	#
26)	Chlordane-4	0.000	5.058	0	1207731	N.D.	3.096	#

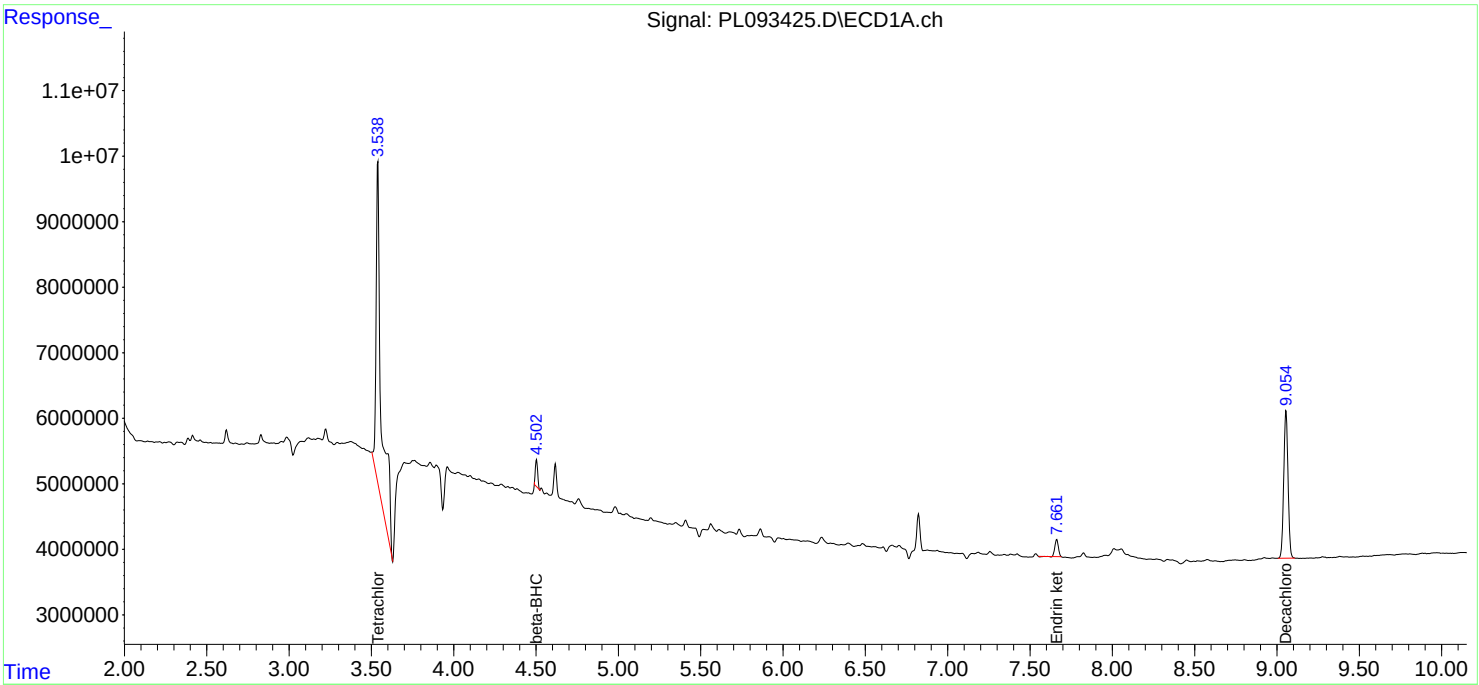
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

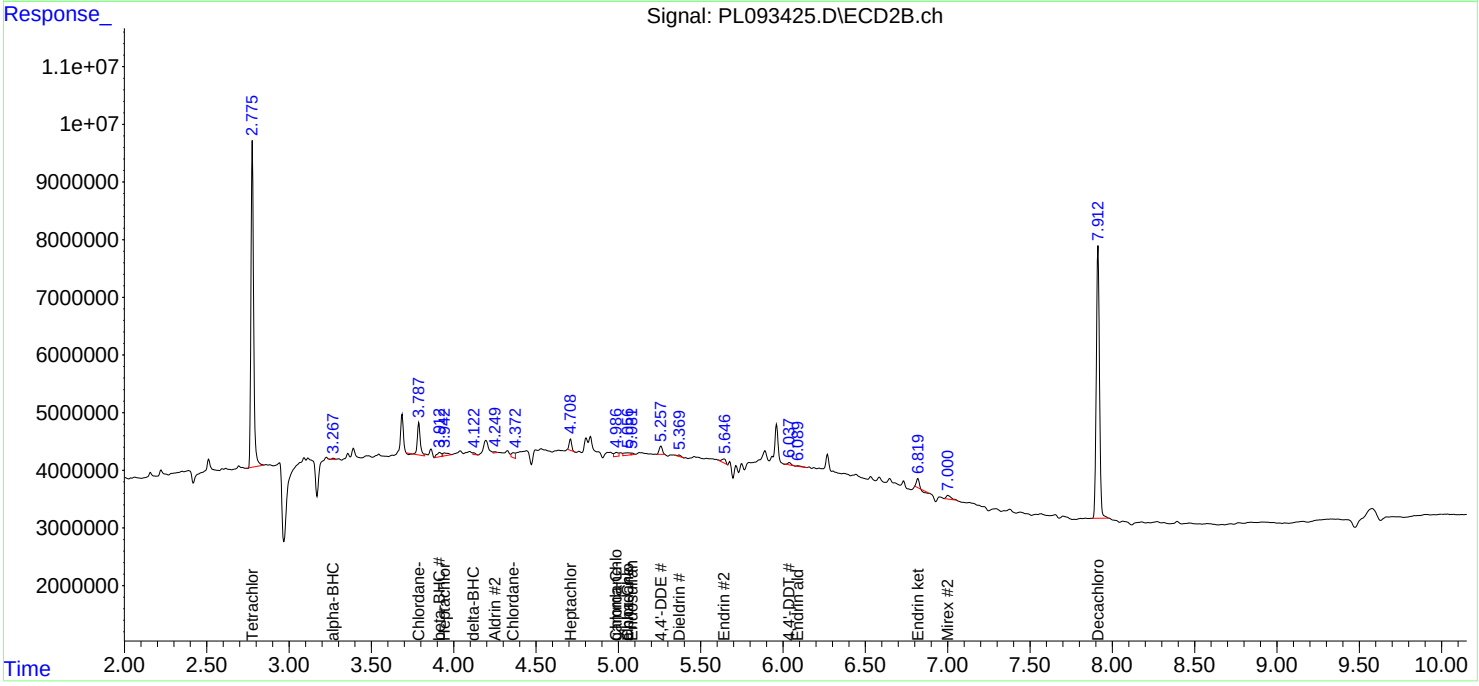
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:51
Operator : AR\AJ
Sample : P5306-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

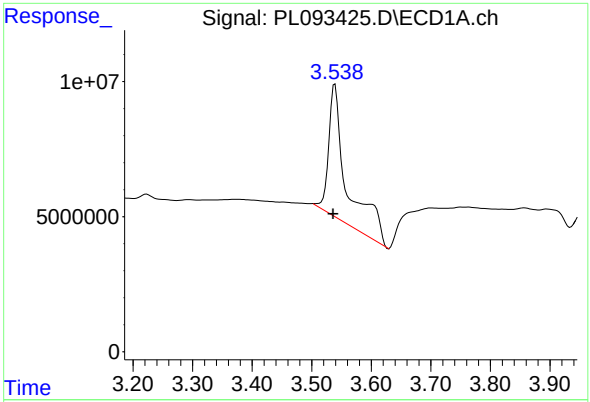
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µ2
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



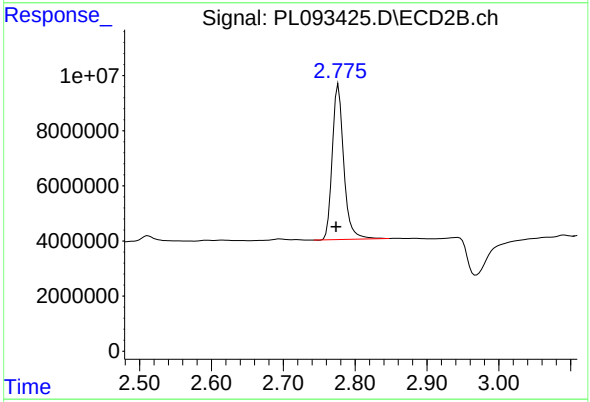




#1 Tetrachloro-m-xylene

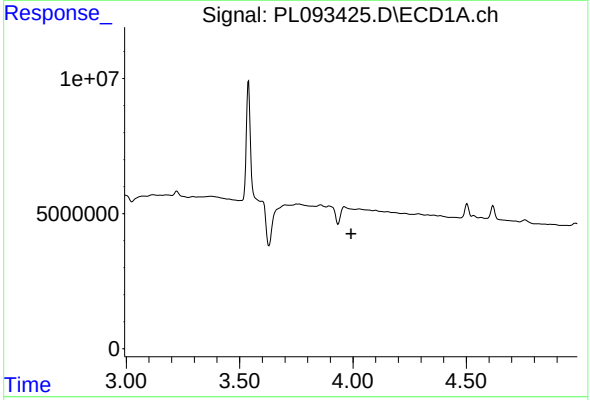
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 105265868
Conc: 40.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



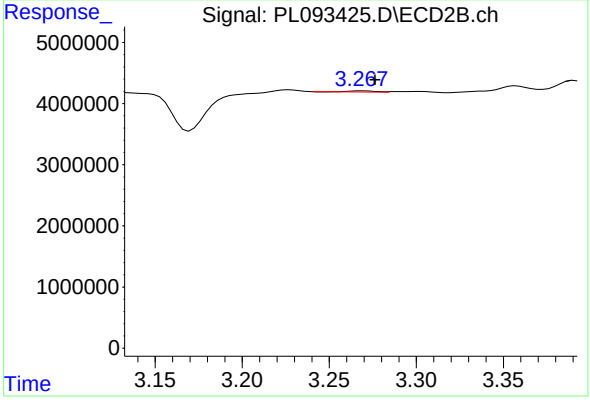
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.003 min
Response: 62308012
Conc: 21.60 ng/ml



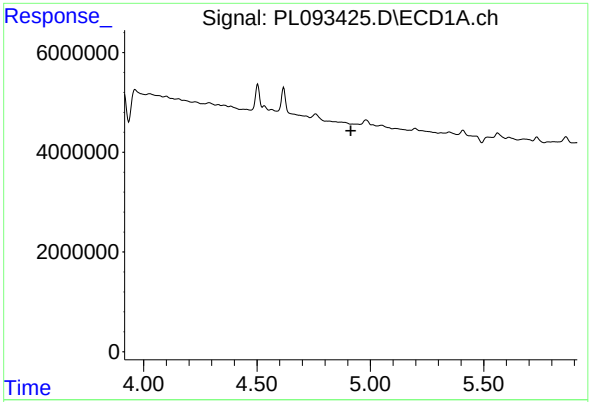
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

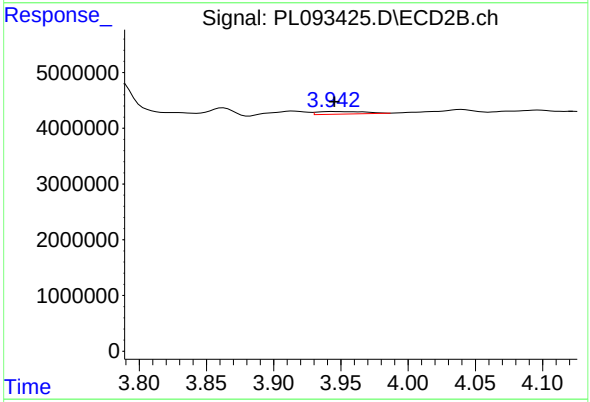
R.T.: 3.269 min
Delta R.T.: -0.008 min
Response: 189604
Conc: 0.04 ng/ml



#4 Heptachlor

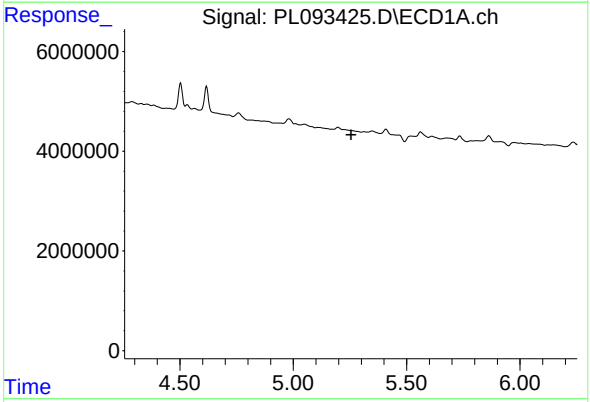
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



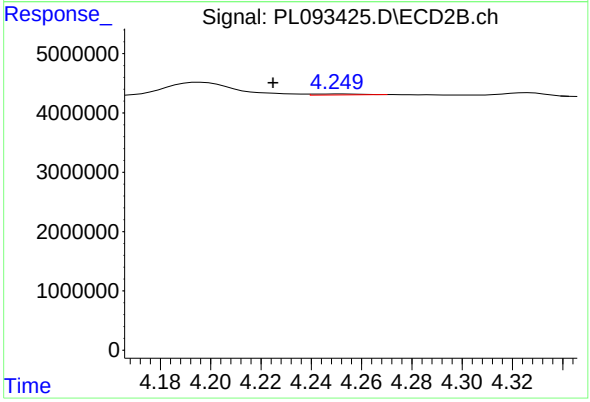
#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 1142890
Conc: 0.28 ng/ml



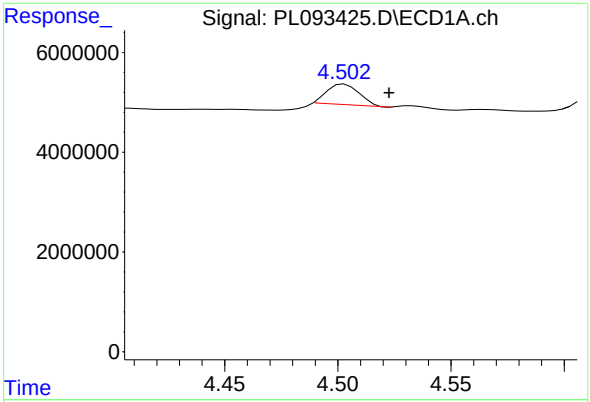
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

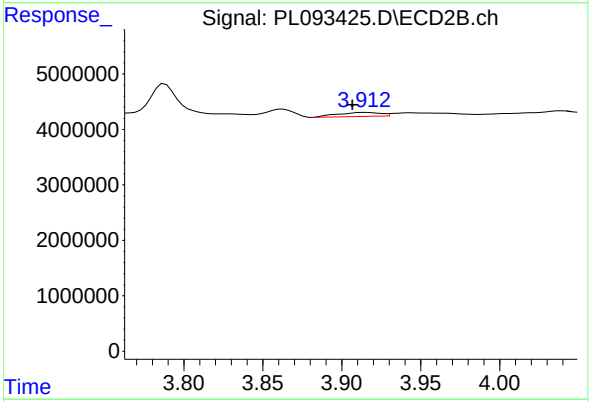
R.T.: 4.252 min
Delta R.T.: 0.027 min
Response: 219284
Conc: 0.06 ng/ml



#6 beta-BHC

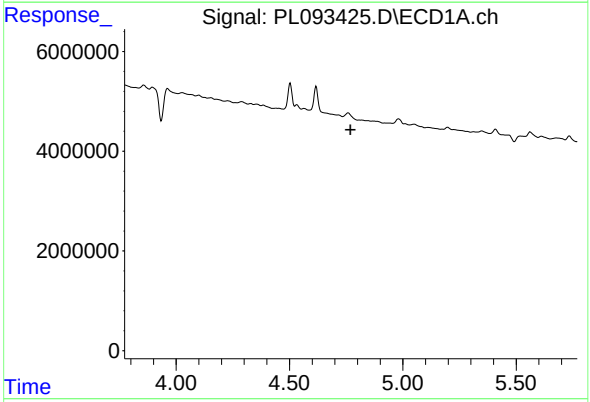
R.T.: 4.503 min
Delta R.T.: -0.020 min
Response: 4065200
Conc: 2.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



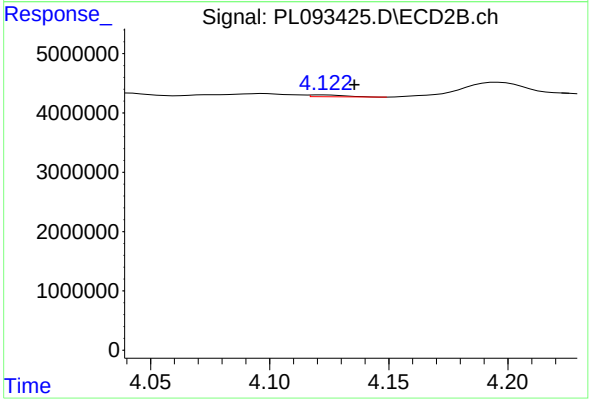
#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: 0.008 min
Response: 1383355
Conc: 0.78 ng/ml



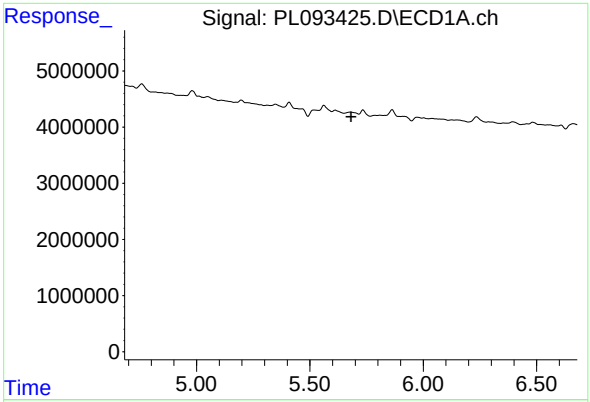
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

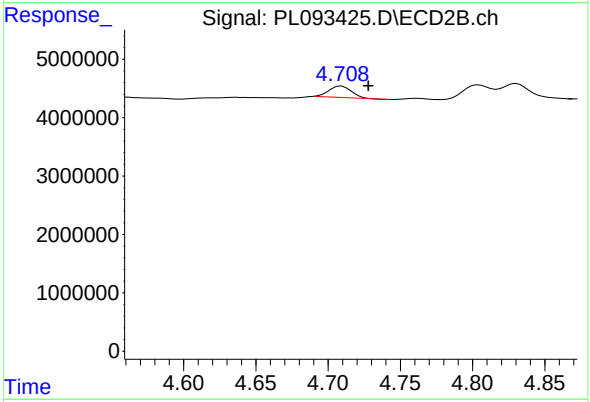
R.T.: 4.122 min
Delta R.T.: -0.014 min
Response: 309749
Conc: 0.07 ng/ml



#8 Heptachlor epoxide

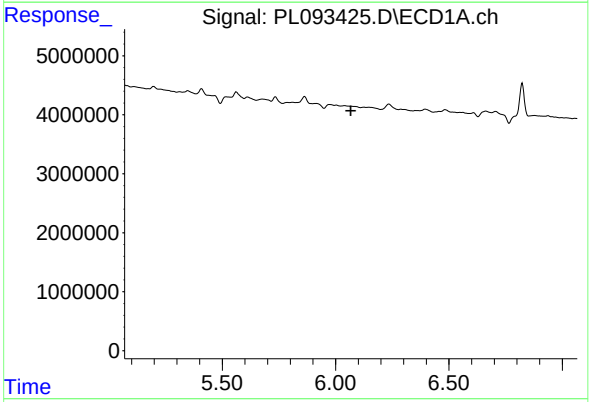
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



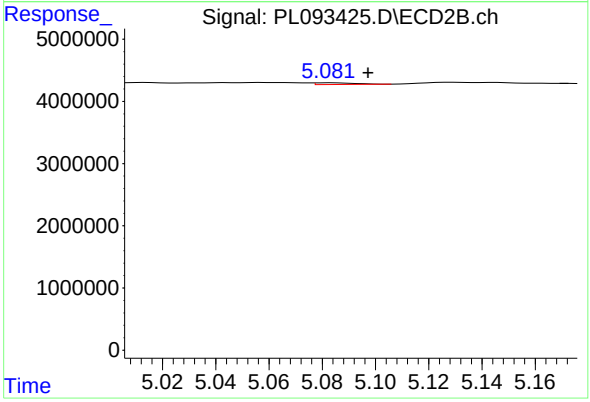
#8 Heptachlor epoxide

R.T.: 4.709 min
Delta R.T.: -0.018 min
Response: 2141650
Conc: 0.59 ng/ml



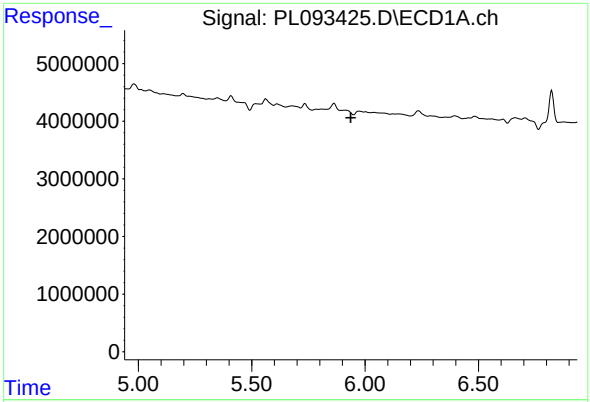
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

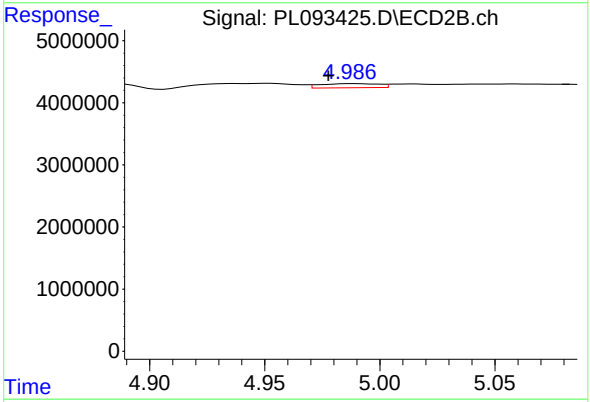
R.T.: 5.082 min
Delta R.T.: -0.015 min
Response: 294279
Conc: 0.09 ng/ml



#10 gamma-Chlordane

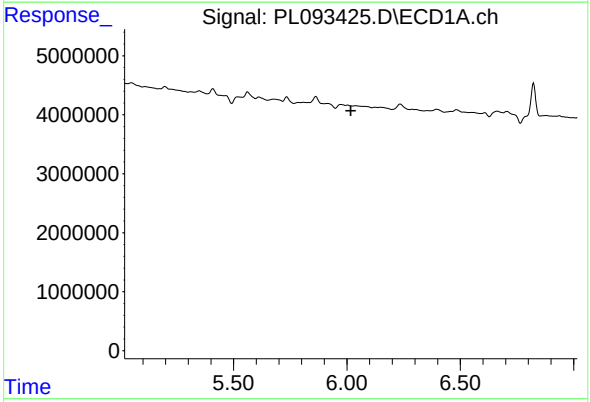
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



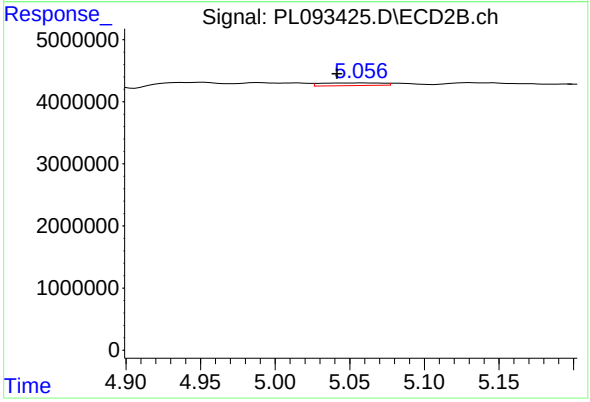
#10 gamma-Chlordane

R.T.: 4.989 min
Delta R.T.: 0.011 min
Response: 1191286
Conc: 0.32 ng/ml



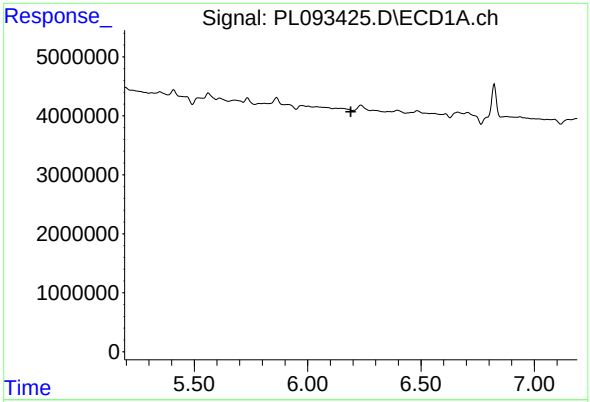
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

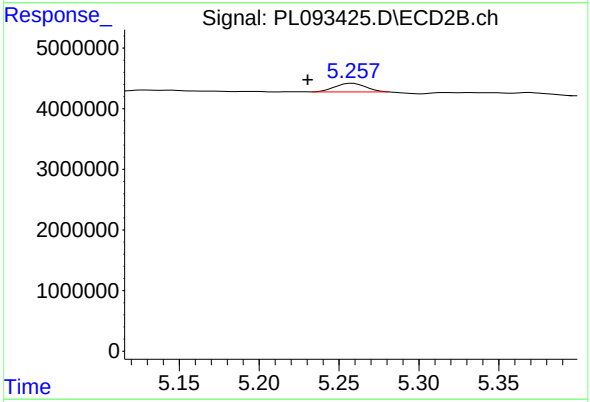
R.T.: 5.058 min
Delta R.T.: 0.016 min
Response: 1207731
Conc: 0.33 ng/ml



#12 4,4'-DDE

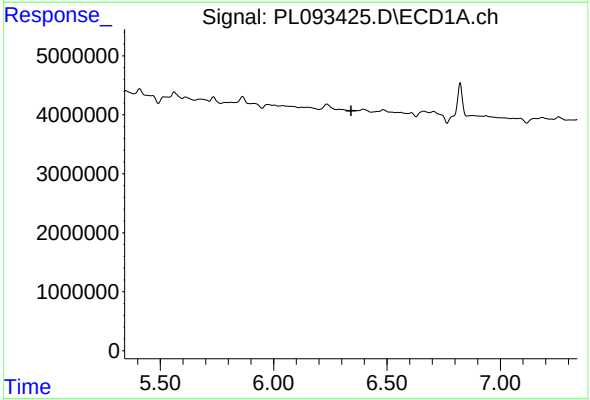
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



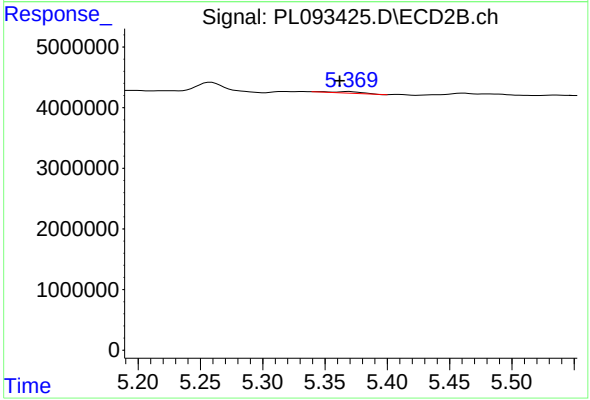
#12 4,4'-DDE

R.T.: 5.259 min
Delta R.T.: 0.028 min
Response: 1897320
Conc: 0.53 ng/ml



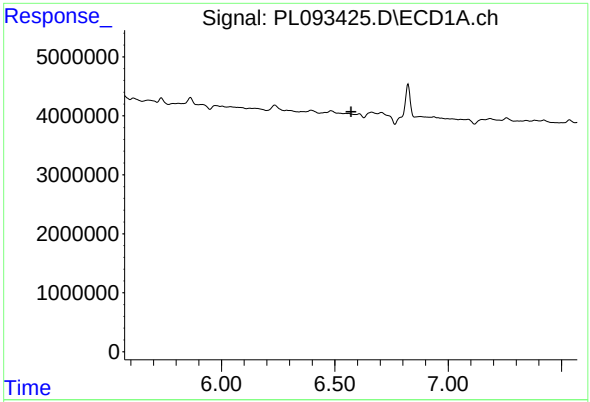
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

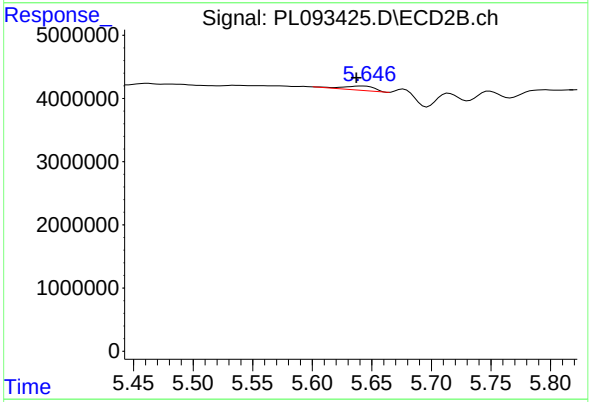
R.T.: 5.369 min
Delta R.T.: 0.007 min
Response: 425346
Conc: 0.12 ng/ml



#14 Endrin

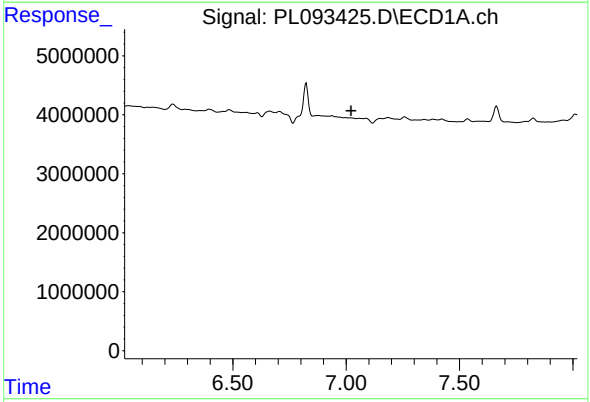
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



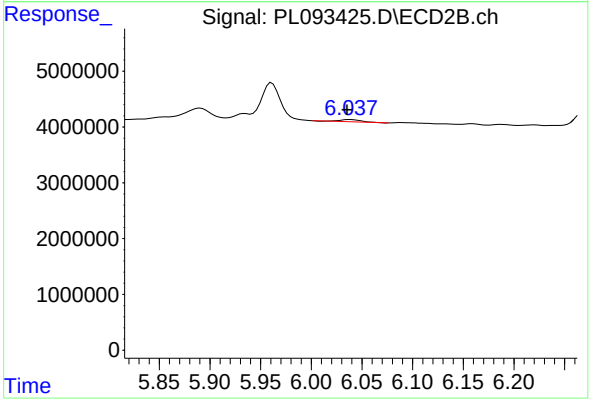
#14 Endrin

R.T.: 5.642 min
Delta R.T.: 0.005 min
Response: 1236824
Conc: 0.39 ng/ml



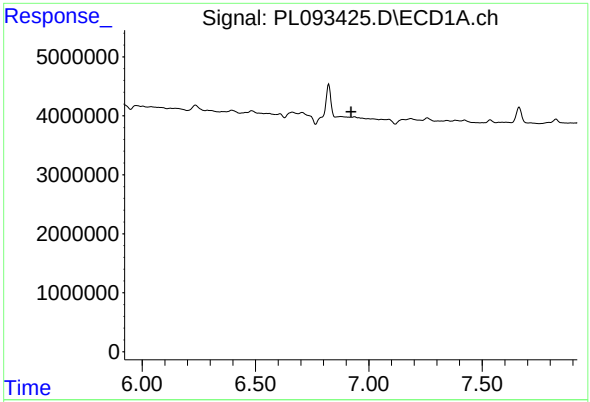
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

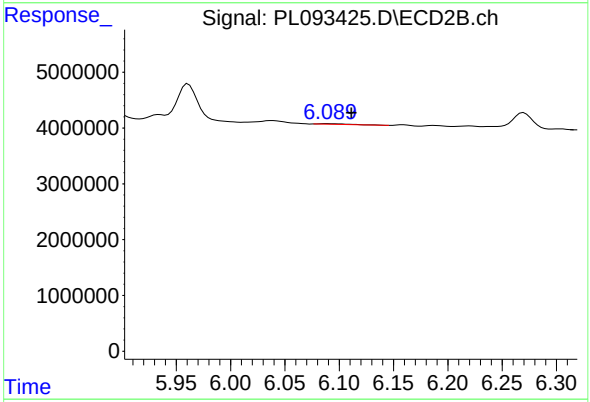
R.T.: 6.038 min
Delta R.T.: 0.003 min
Response: 569488
Conc: 0.19 ng/ml



#18 Endrin aldehyde

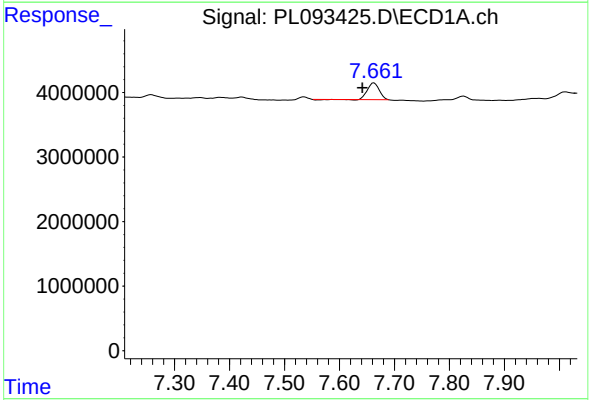
R.T.: 0.000 min
Exp R.T. : 6.922 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



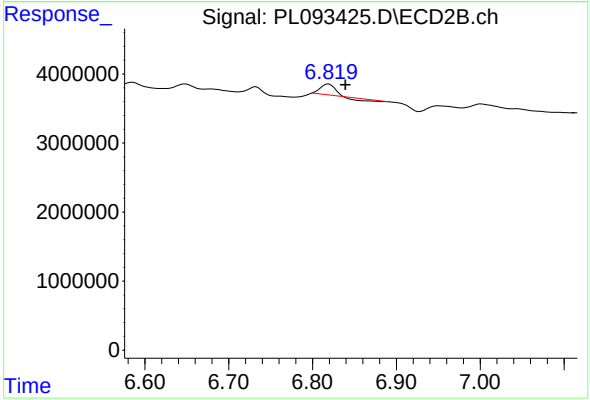
#18 Endrin aldehyde

R.T.: 6.090 min
Delta R.T.: -0.022 min
Response: 251278
Conc: 0.10 ng/ml



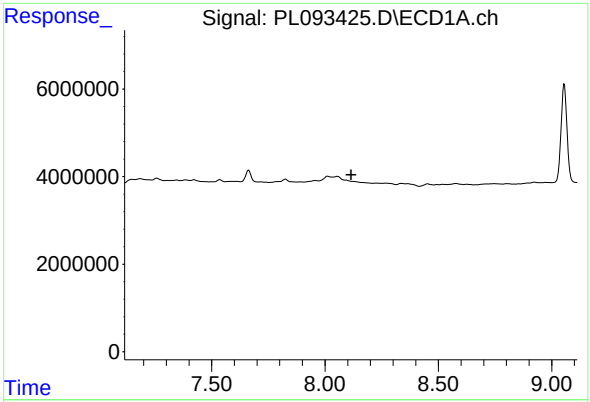
#21 Endrin ketone

R.T.: 7.663 min
Delta R.T.: 0.021 min
Response: 3824881
Conc: 1.69 ng/ml



#21 Endrin ketone

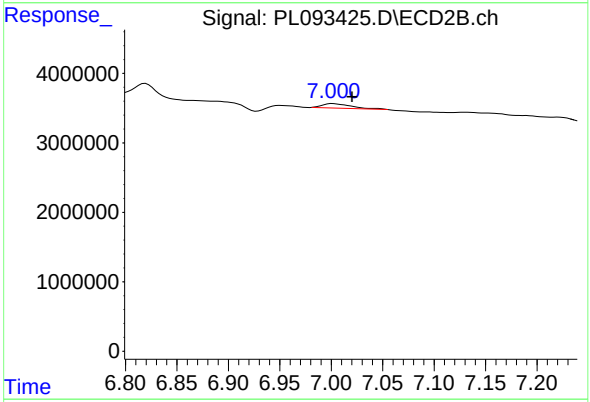
R.T.: 6.819 min
Delta R.T.: -0.020 min
Response: 1126622
Conc: 0.34 ng/ml



#22 Mirex

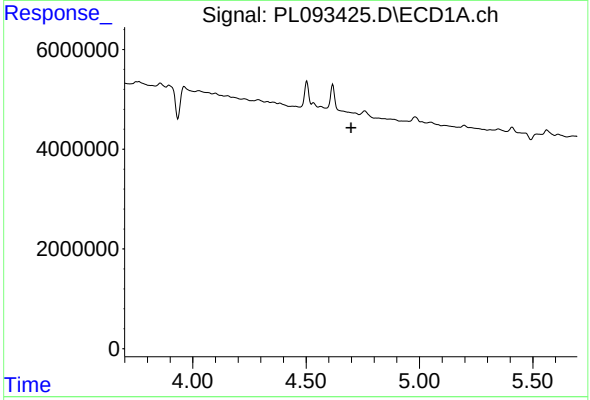
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



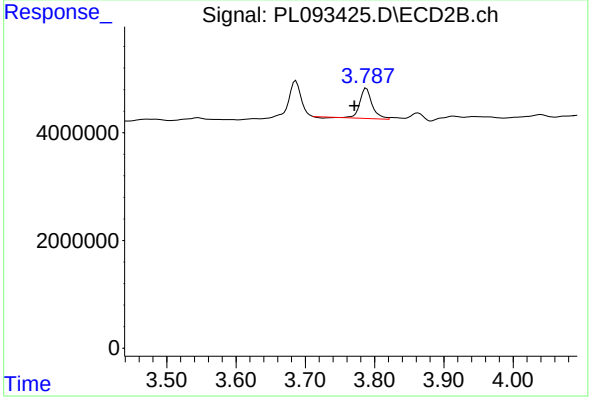
#22 Mirex

R.T.: 7.001 min
Delta R.T.: -0.019 min
Response: 1277022
Conc: 0.48 ng/ml



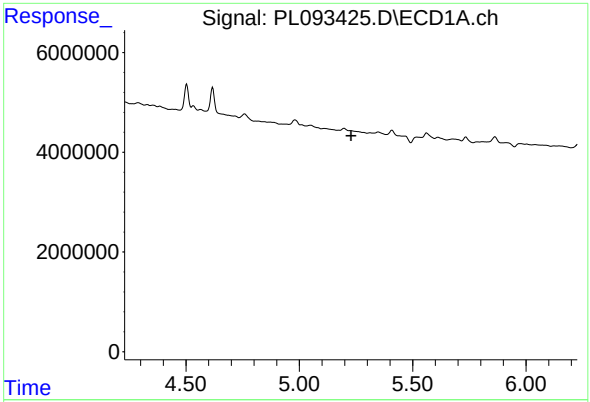
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.



#23 Chlordane-1

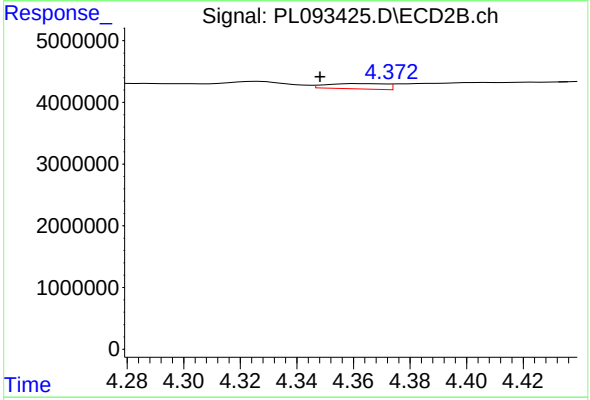
R.T.: 3.788 min
Delta R.T.: 0.018 min
Response: 6805358
Conc: 58.55 ng/ml



#24 Chlordane-2

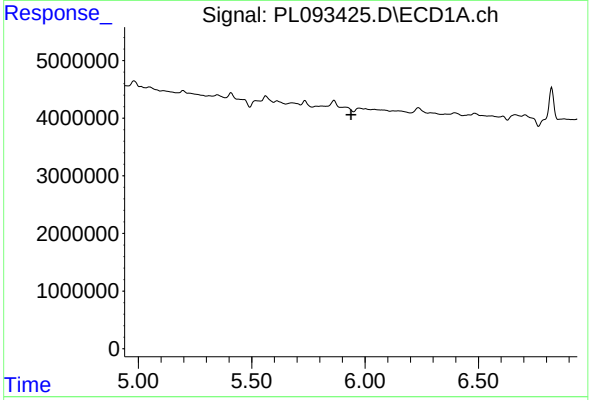
R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



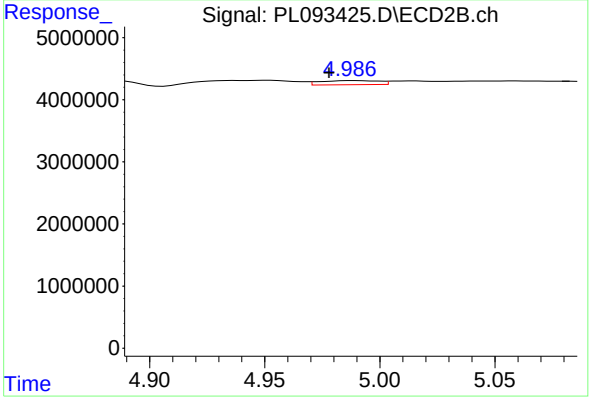
#24 Chlordane-2

R.T.: 4.362 min
Delta R.T.: 0.014 min
Response: 1249112
Conc: 9.32 ng/ml



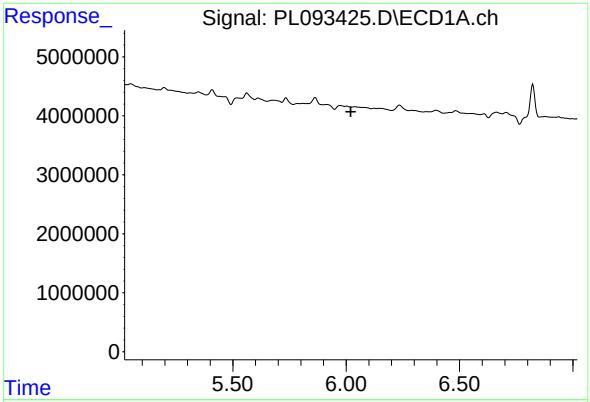
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

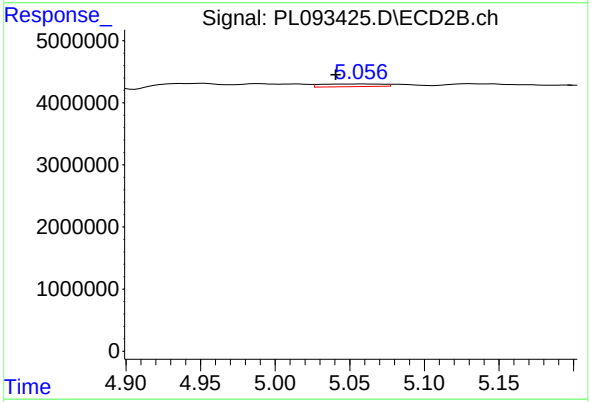
R.T.: 4.989 min
Delta R.T.: 0.011 min
Response: 1191286
Conc: 2.96 ng/ml



#26 Chlordane-4

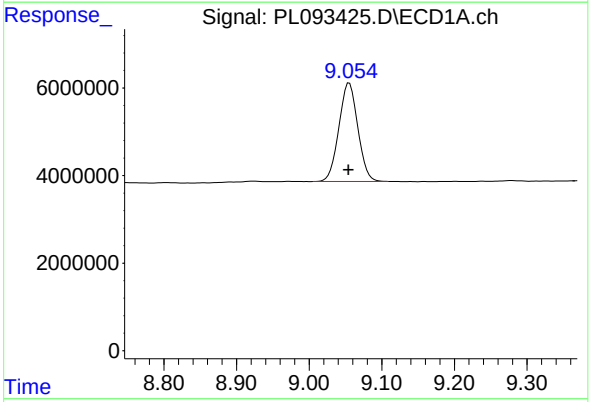
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-09-121224



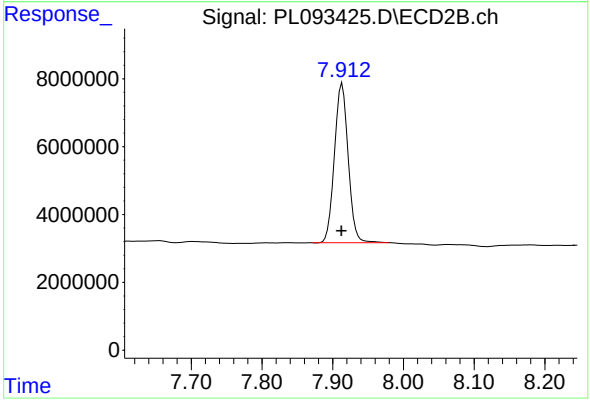
#26 Chlordane-4

R.T.: 5.058 min
Delta R.T.: 0.017 min
Response: 1207731
Conc: 3.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 40824870
Conc: 23.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 63477813
Conc: 22.22 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:18
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: Dec 19 04:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	2.776	121.8E6	144.0E6	46.883	49.913	
28)	SA Decachlor...	9.057	7.913	90518729	151.7E6	52.066	53.120	
	Target Compounds							
2)	A alpha-BHC	3.995	3.278	169.5E6	217.7E6	47.506	50.980	
3)	MA gamma-BHC...	4.328	3.608	160.7E6	211.1E6	47.562	51.004	
4)	MA Heptachlor	4.916	3.947	142.6E6	205.4E6	46.671	50.767	
5)	MB Aldrin	5.258	4.227	140.7E6	202.0E6	46.780	50.779	
6)	B beta-BHC	4.526	3.908	70388241	88324808	46.623	49.652	
7)	B delta-BHC	4.773	4.137	151.6E6	212.7E6	45.818	49.845	
8)	B Heptachlo...	5.684	4.730	127.8E6	184.6E6	46.033	50.676	
9)	A Endosulfan I	6.071	5.099	113.3E6	158.8E6	46.549	47.494	
10)	B gamma-Chl...	5.941	4.980	120.4E6	187.9E6	46.722	50.706	
11)	B alpha-Chl...	6.020	5.044	120.9E6	184.7E6	46.660	50.878	
12)	B 4,4'-DDE	6.194	5.232	110.3E6	181.7E6	47.159	50.763	
13)	MA Dieldrin	6.346	5.364	119.9E6	188.1E6	46.762	51.044	
14)	MA Endrin	6.575	5.639	108.3E6	166.4E6	51.623	52.187	
15)	B Endosulfa...	6.795	5.935	103.5E6	162.7E6	47.452	51.342	
16)	A 4,4'-DDD	6.711	5.788	89939095	145.7E6	49.086	51.971	
17)	MA 4,4'-DDT	7.025	6.038	93017183	151.4E6	48.250	51.107	
18)	B Endrin al...	6.925	6.114	85300825	131.3E6	47.216	50.060	
19)	B Endosulfa...	7.159	6.337	98012000	155.3E6	47.288	51.088	
20)	A Methoxychlor	7.501	6.612	51616850	80007092	49.400	52.397	
21)	B Endrin ke...	7.645	6.842	110.3E6	177.5E6	48.607	52.888	
22)	Mirex	8.119	7.022	87871855	142.7E6	48.649	53.114	
24)	Chlordane-2	5.258f	4.365	140.7E6	4800473	1226.881	35.826	#
25)	Chlordane-3	5.941	4.980	120.4E6	187.9E6	315.756	467.555	#
26)	Chlordane-4	6.020	5.044	120.9E6	184.7E6	260.097	473.526	#
27)	Chlordane-5	0.000	5.935	0	162.7E6	N.D.	1187.394	#

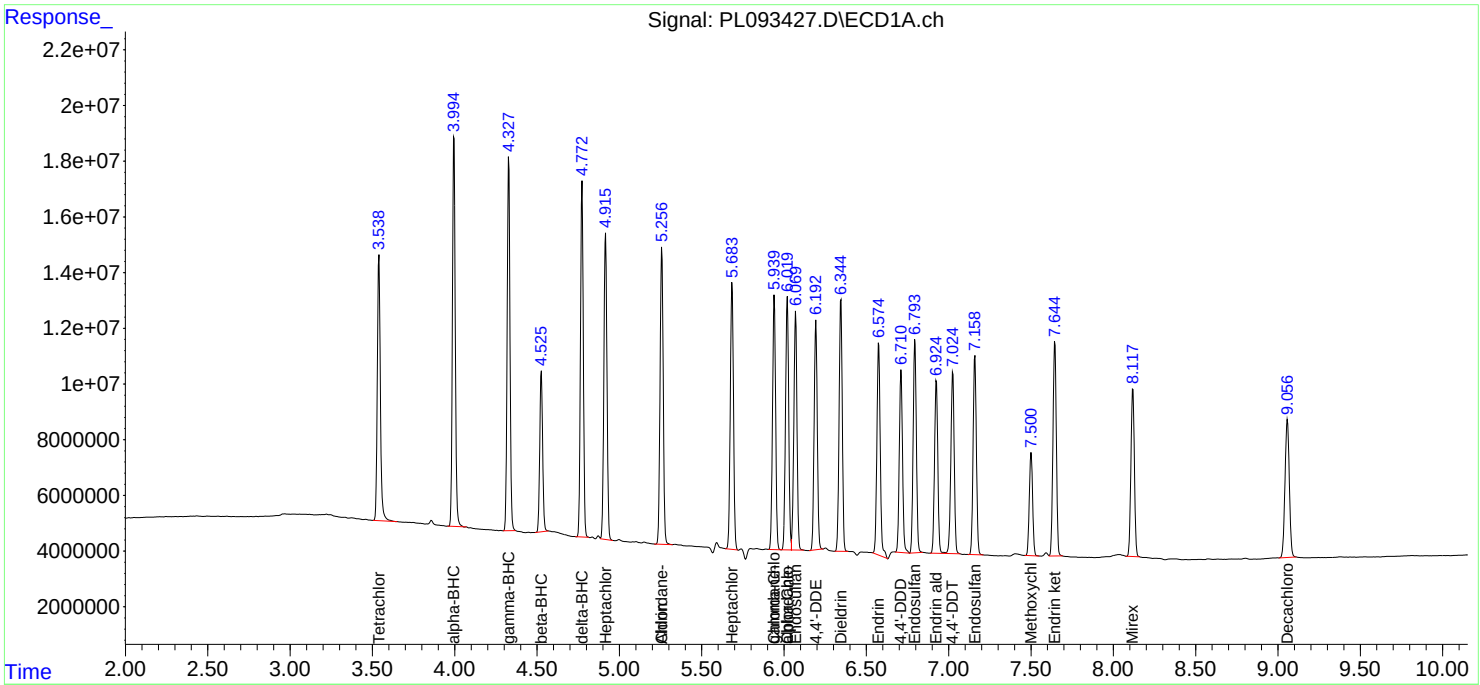
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

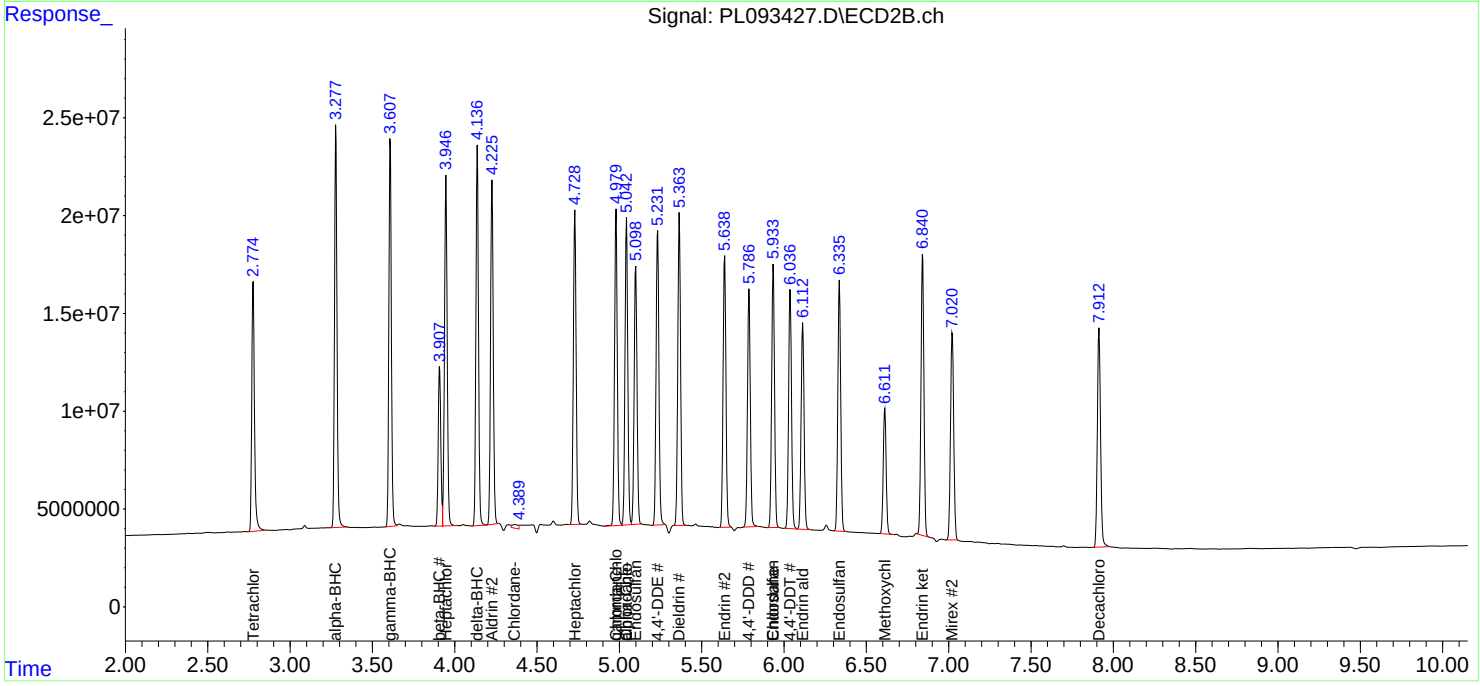
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121824\
Data File : PL093427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

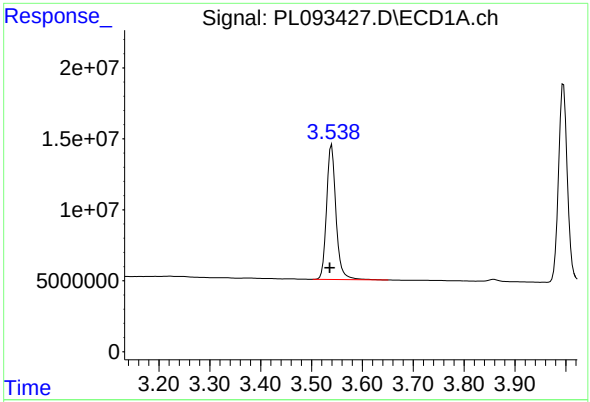
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 04:30:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



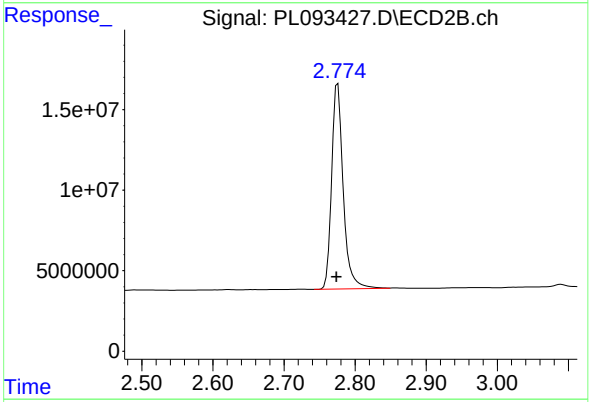




#1 Tetrachloro-m-xylene

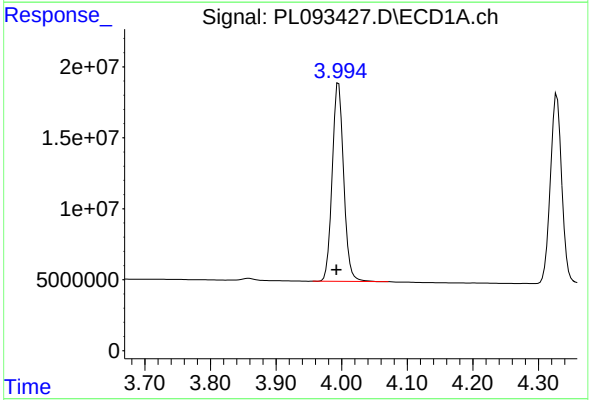
R.T.: 3.540 min
Delta R.T.: 0.004 min
Response: 121848348
Conc: 46.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



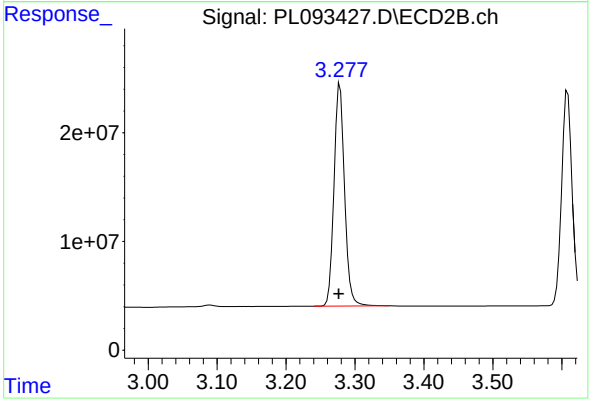
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.002 min
Response: 143950914
Conc: 49.91 ng/ml



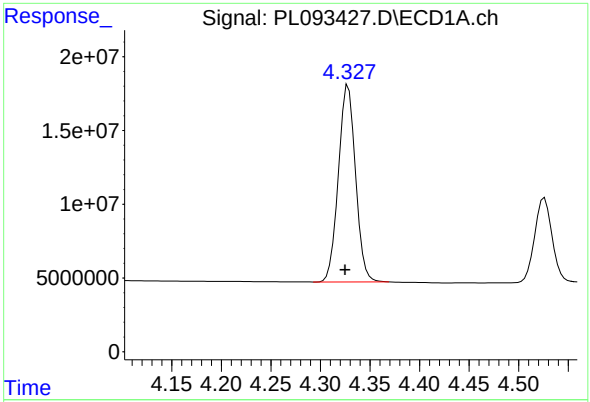
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.003 min
Response: 169522536
Conc: 47.51 ng/ml



#2 alpha-BHC

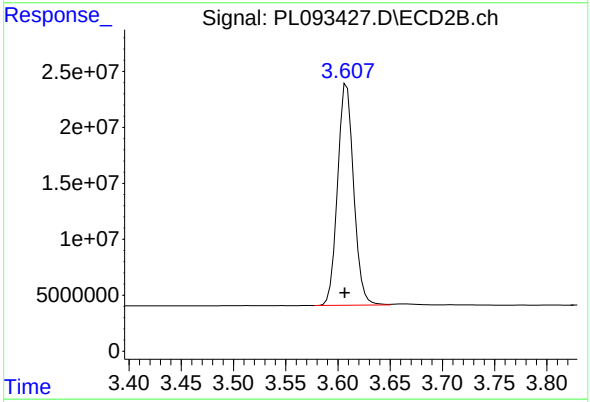
R.T.: 3.278 min
Delta R.T.: 0.002 min
Response: 217656114
Conc: 50.98 ng/ml



#3 gamma-BHC (Lindane)

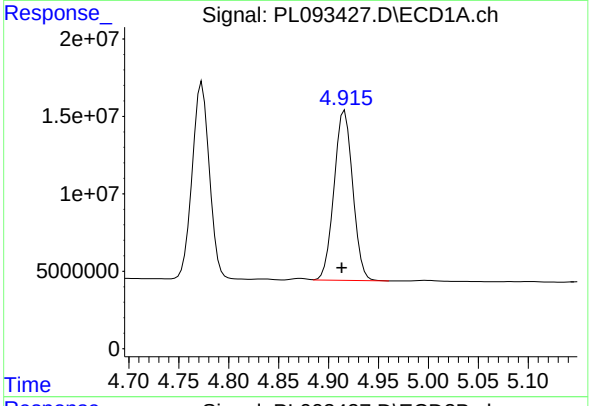
R.T.: 4.328 min
Delta R.T.: 0.003 min
Response: 160696004
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



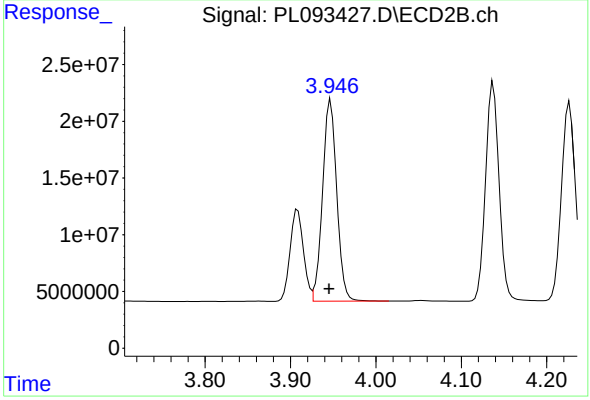
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.002 min
Response: 211145798
Conc: 51.00 ng/ml



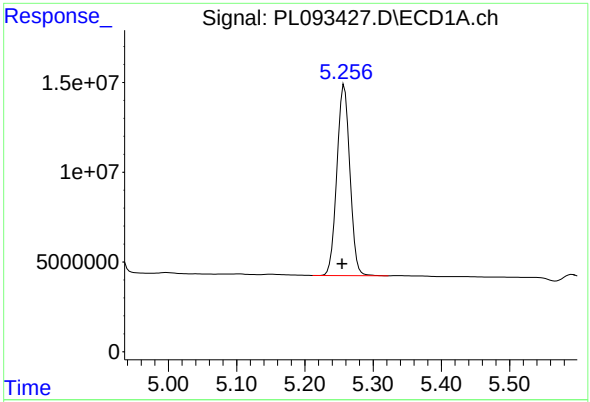
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.003 min
Response: 142632939
Conc: 46.67 ng/ml



#4 Heptachlor

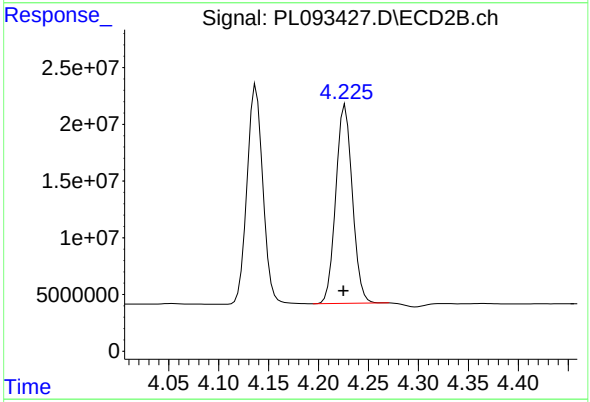
R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 205380047
Conc: 50.77 ng/ml



#5 Aldrin

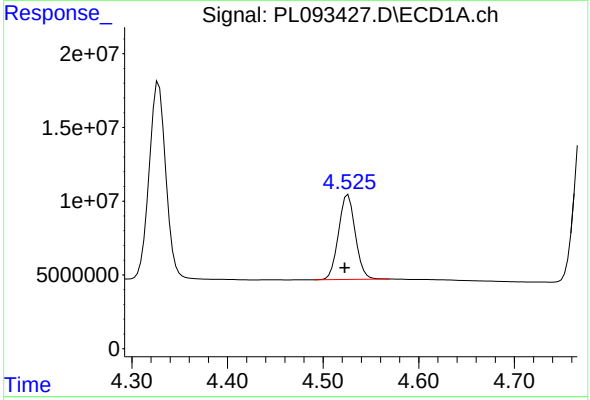
R.T.: 5.258 min
Delta R.T.: 0.003 min
Response: 140676125
Conc: 46.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



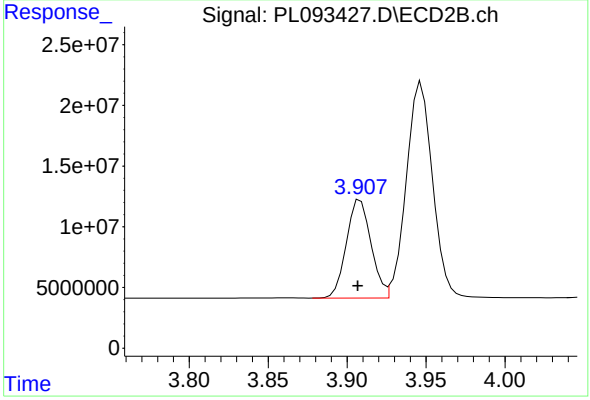
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 202041948
Conc: 50.78 ng/ml



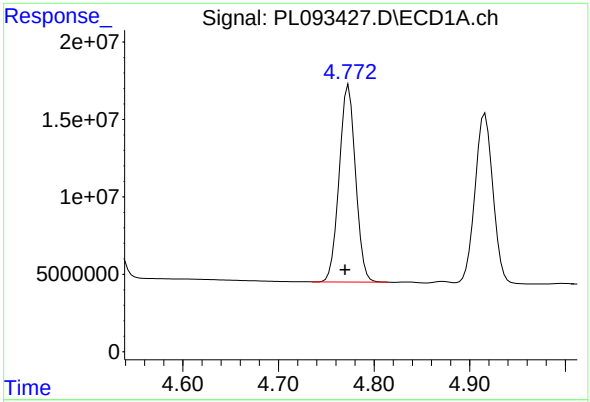
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.003 min
Response: 70388241
Conc: 46.62 ng/ml



#6 beta-BHC

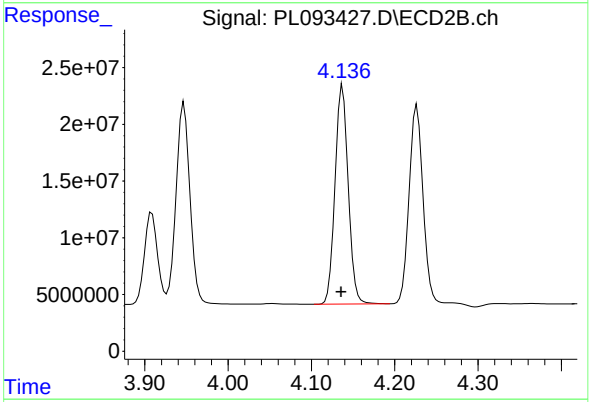
R.T.: 3.908 min
Delta R.T.: 0.002 min
Response: 88324808
Conc: 49.65 ng/ml



#7 delta-BHC

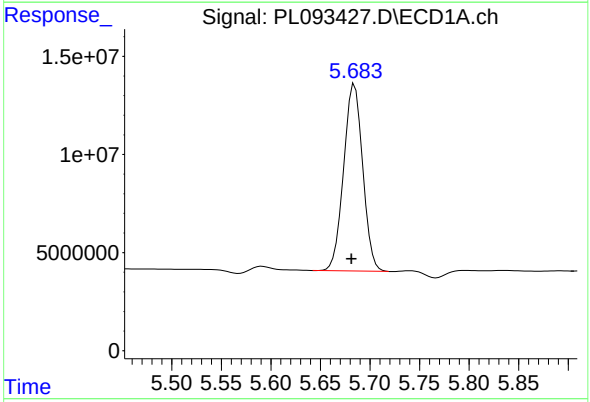
R.T.: 4.773 min
Delta R.T.: 0.004 min
Response: 151594458
Conc: 45.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



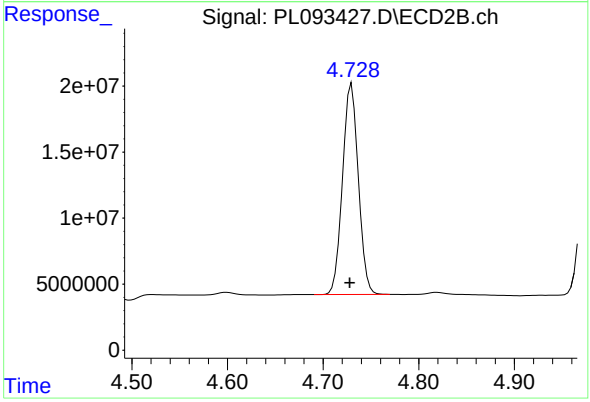
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.002 min
Response: 212664808
Conc: 49.85 ng/ml



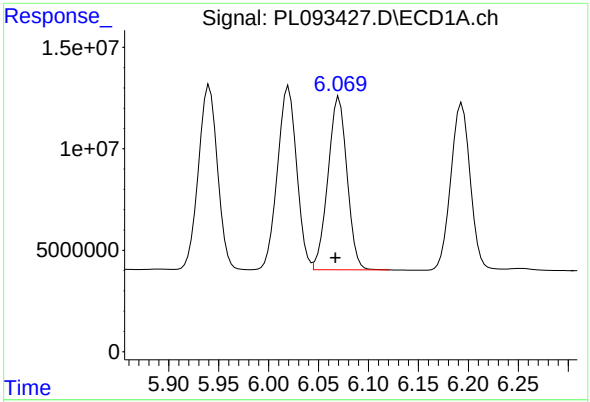
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.003 min
Response: 127820490
Conc: 46.03 ng/ml



#8 Heptachlor epoxide

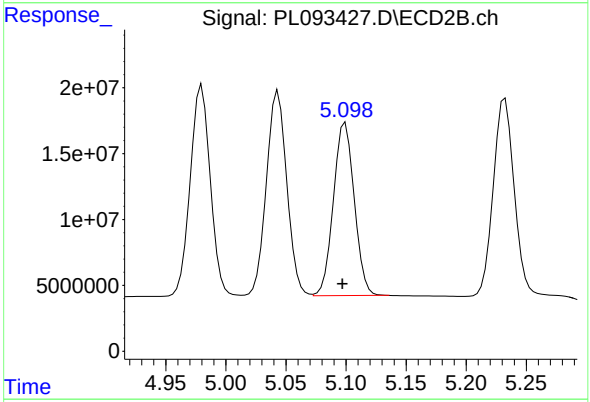
R.T.: 4.730 min
Delta R.T.: 0.002 min
Response: 184571714
Conc: 50.68 ng/ml



#9 Endosulfan I

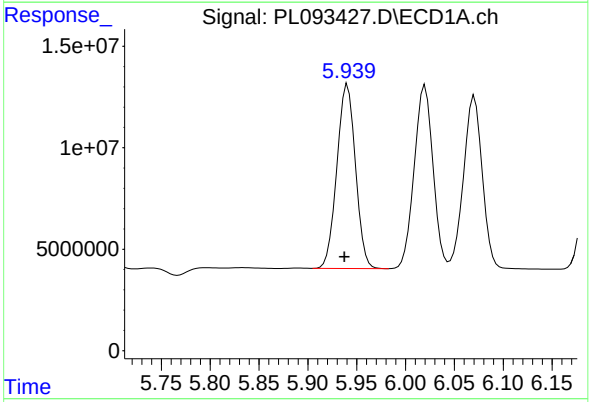
R.T.: 6.071 min
Delta R.T.: 0.004 min
Response: 113308327
Conc: 46.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



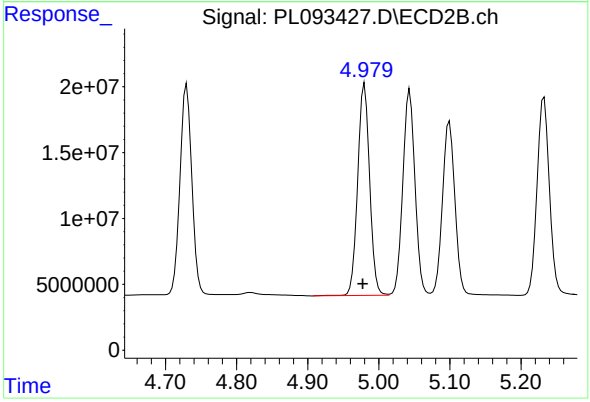
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 158771155
Conc: 47.49 ng/ml



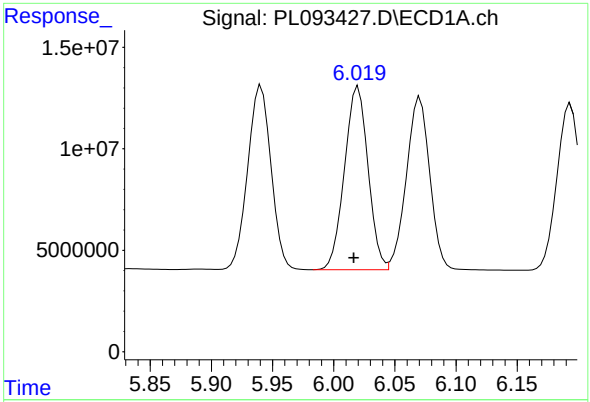
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.003 min
Response: 120373251
Conc: 46.72 ng/ml



#10 gamma-Chlordane

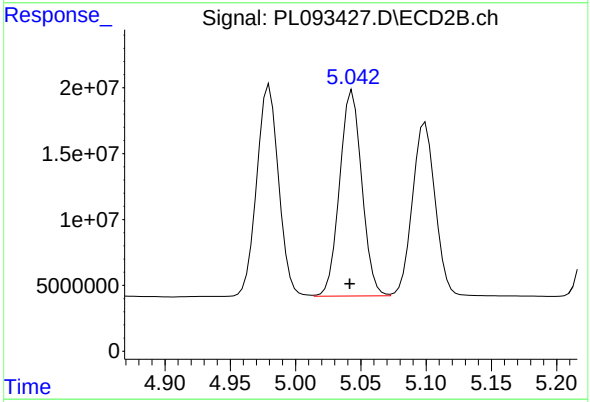
R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 187870281
Conc: 50.71 ng/ml



#11 alpha-Chlordane

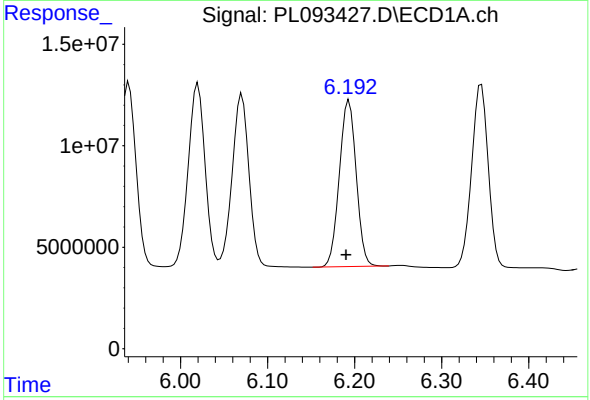
R.T.: 6.020 min
Delta R.T.: 0.004 min
Response: 120899315
Conc: 46.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



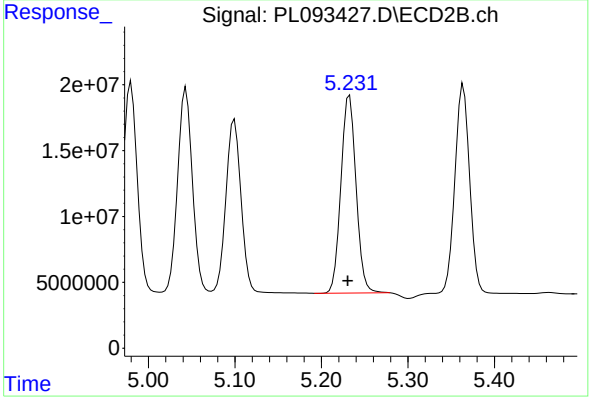
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.002 min
Response: 184699345
Conc: 50.88 ng/ml



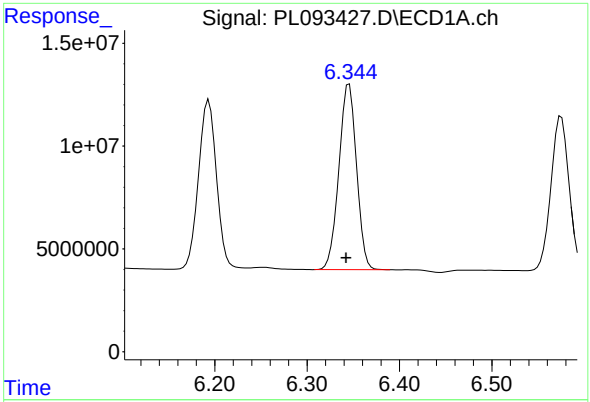
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.003 min
Response: 110319845
Conc: 47.16 ng/ml



#12 4,4'-DDE

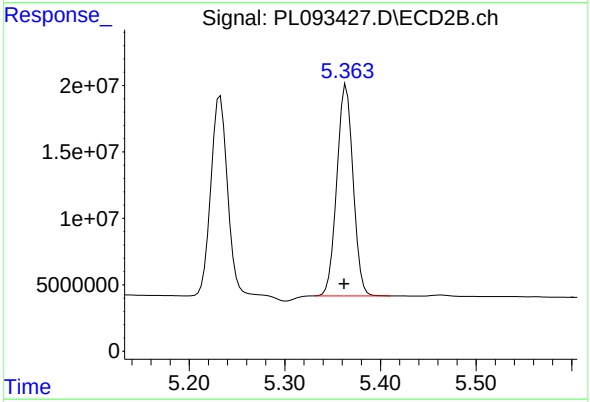
R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 181734123
Conc: 50.76 ng/ml



#13 Dieldrin

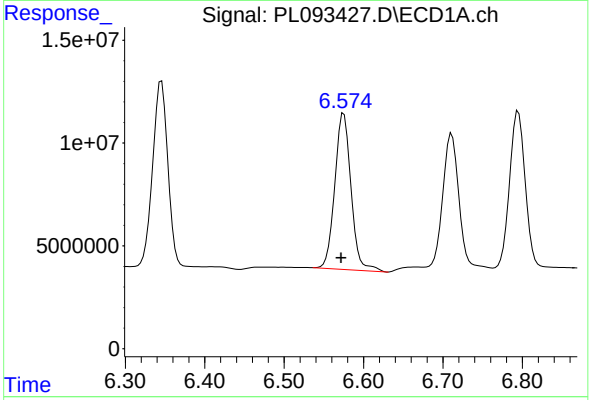
R.T.: 6.346 min
Delta R.T.: 0.003 min
Response: 119858514
Conc: 46.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



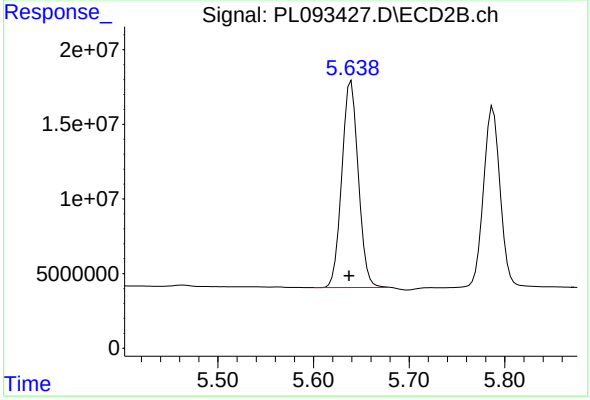
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 188121581
Conc: 51.04 ng/ml



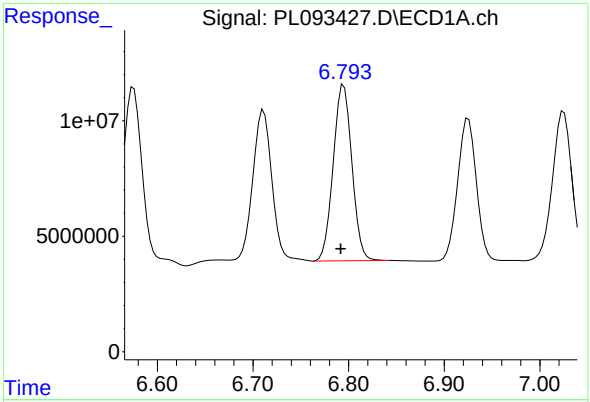
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 108277775
Conc: 51.62 ng/ml



#14 Endrin

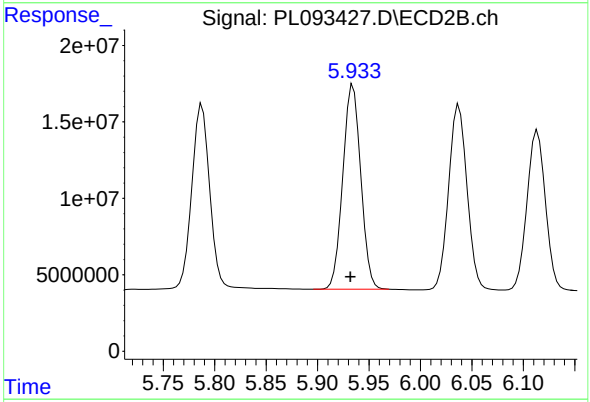
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 166436978
Conc: 52.19 ng/ml



#15 Endosulfan II

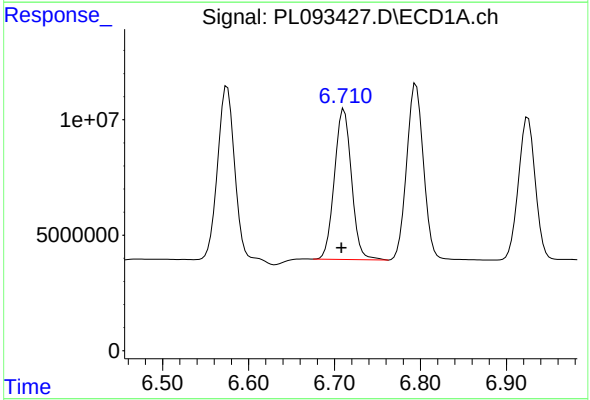
R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 103468471
Conc: 47.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



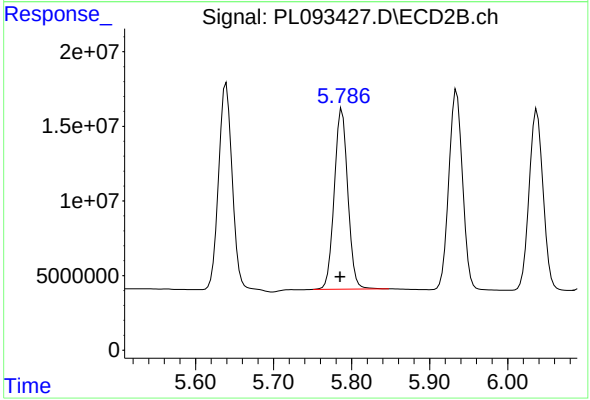
#15 Endosulfan II

R.T.: 5.935 min
Delta R.T.: 0.003 min
Response: 162702071
Conc: 51.34 ng/ml



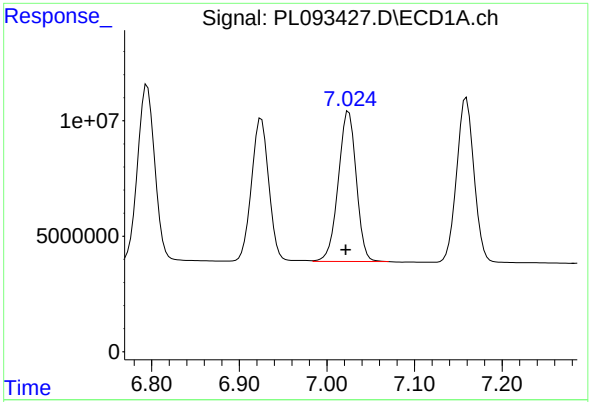
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.003 min
Response: 89939095
Conc: 49.09 ng/ml



#16 4,4'-DDD

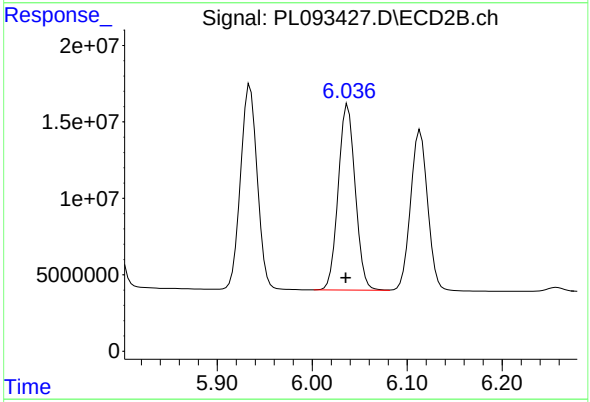
R.T.: 5.788 min
Delta R.T.: 0.003 min
Response: 145696726
Conc: 51.97 ng/ml



#17 4,4'-DDT

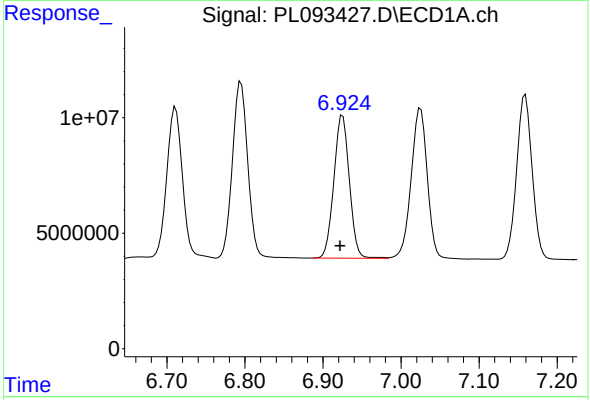
R.T.: 7.025 min
Delta R.T.: 0.003 min
Response: 93017183
Conc: 48.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



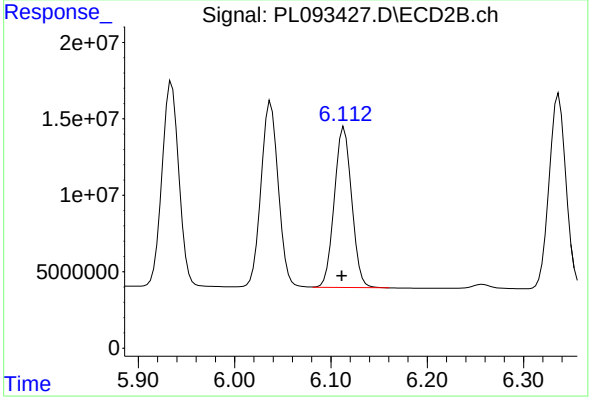
#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.002 min
Response: 151367982
Conc: 51.11 ng/ml



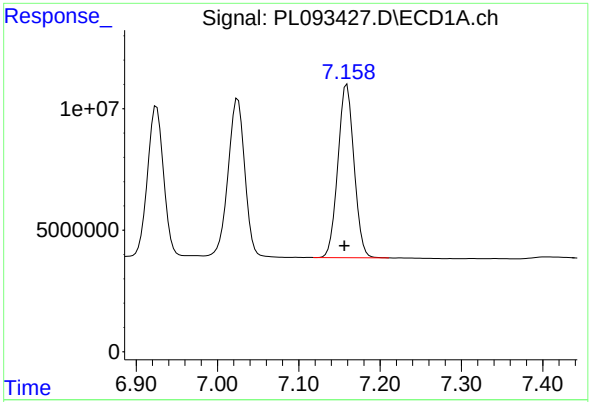
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.003 min
Response: 85300825
Conc: 47.22 ng/ml



#18 Endrin aldehyde

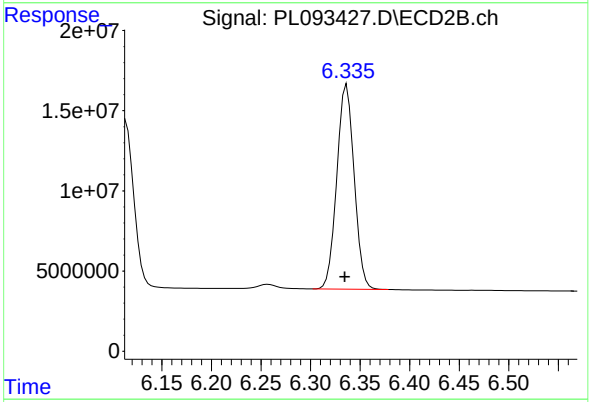
R.T.: 6.114 min
Delta R.T.: 0.003 min
Response: 131275047
Conc: 50.06 ng/ml



#19 Endosulfan Sulfate

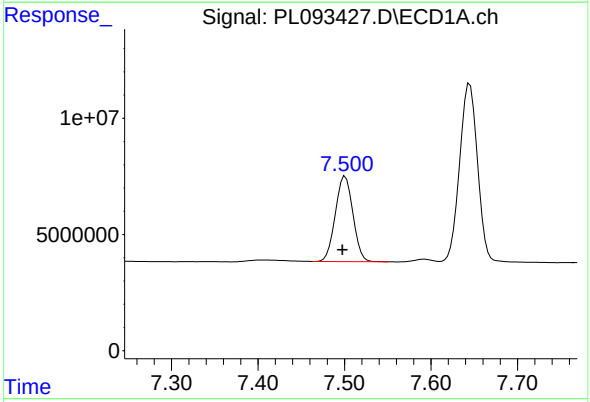
R.T.: 7.159 min
Delta R.T.: 0.003 min
Response: 98012000
Conc: 47.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



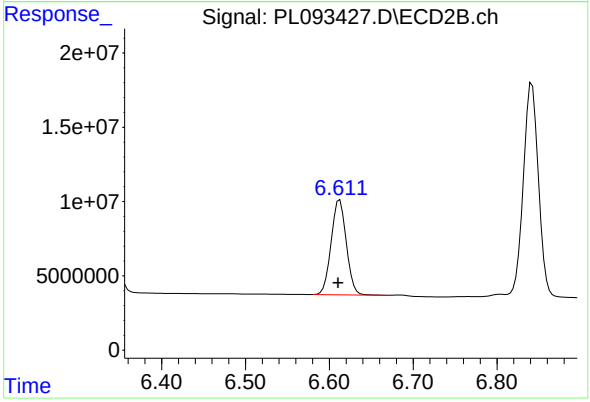
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.002 min
Response: 155289373
Conc: 51.09 ng/ml



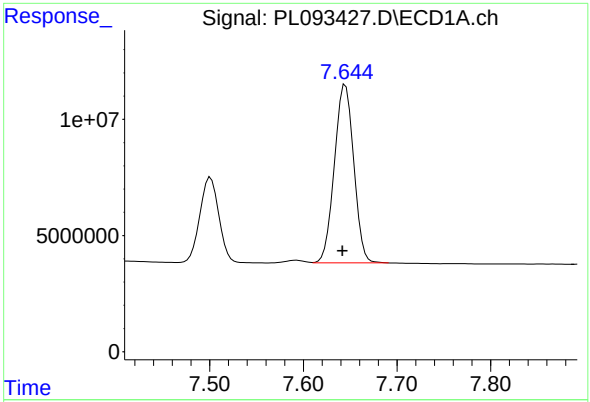
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 51616850
Conc: 49.40 ng/ml



#20 Methoxychlor

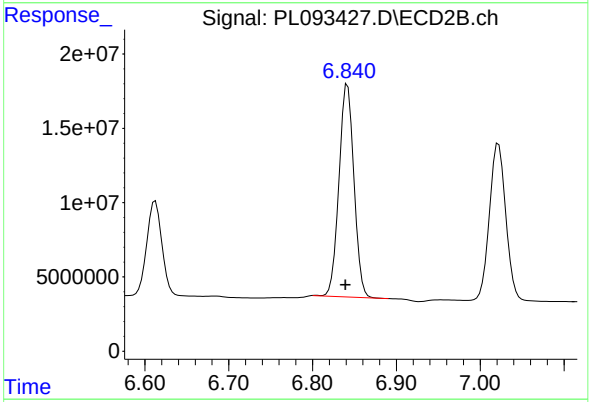
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 80007092
Conc: 52.40 ng/ml



#21 Endrin ketone

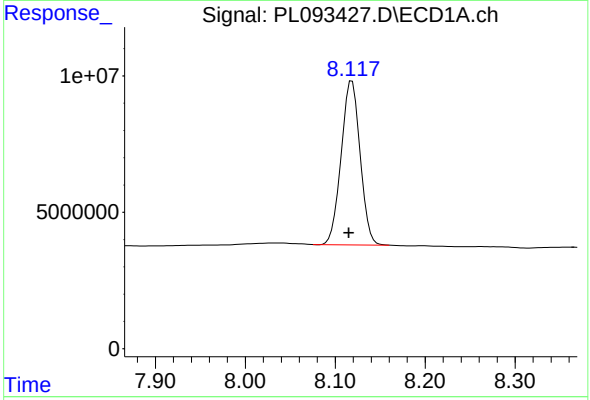
R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 110301433
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



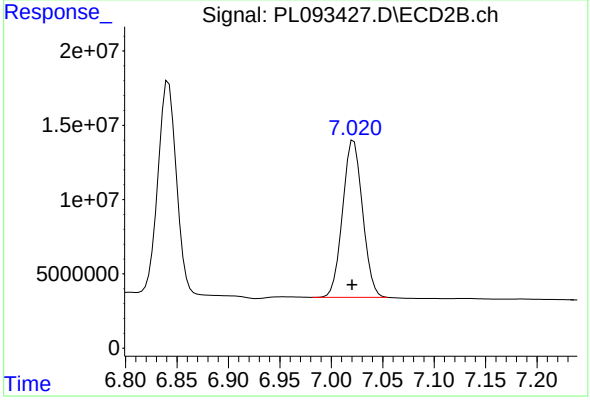
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 177545965
Conc: 52.89 ng/ml



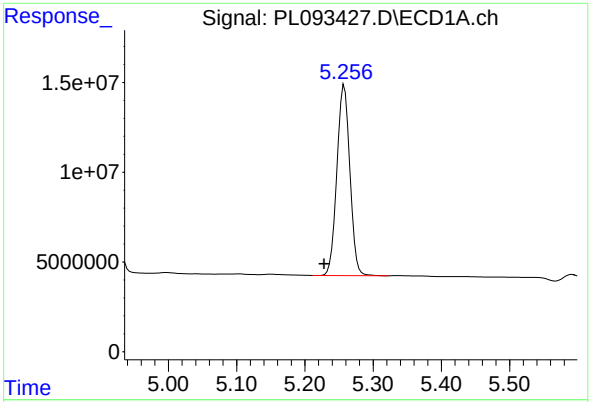
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.004 min
Response: 87871855
Conc: 48.65 ng/ml



#22 Mirex

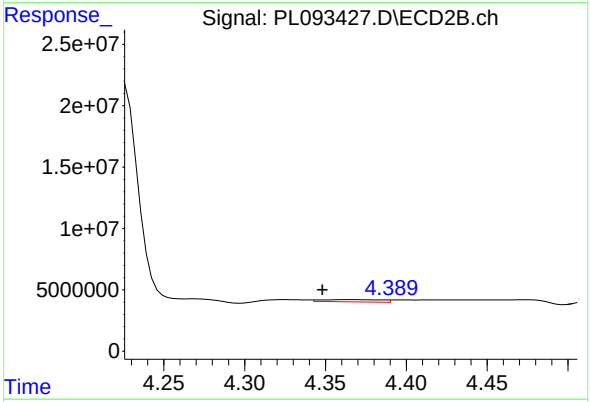
R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 142691678
Conc: 53.11 ng/ml



#24 Chlordane-2

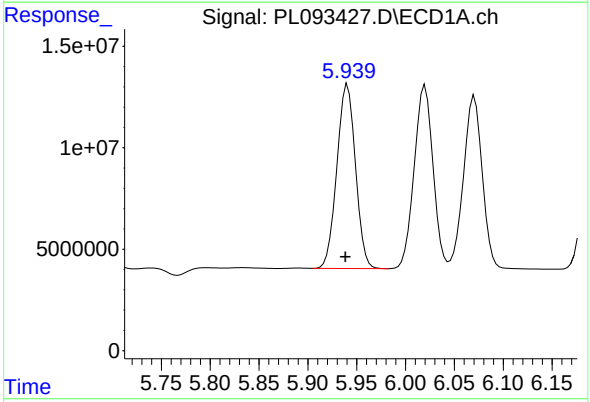
R.T.: 5.258 min
Delta R.T.: 0.030 min
Response: 140676125
Conc: 1226.88 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



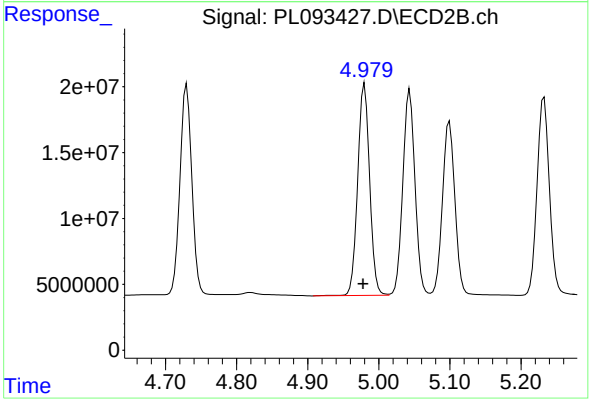
#24 Chlordane-2

R.T.: 4.365 min
Delta R.T.: 0.017 min
Response: 4800473
Conc: 35.83 ng/ml



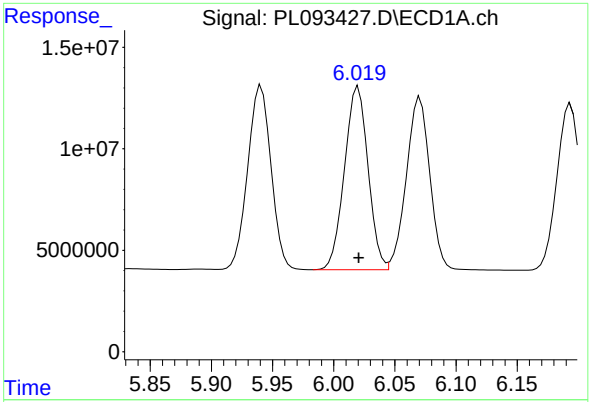
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: 0.002 min
Response: 120373251
Conc: 315.76 ng/ml



#25 Chlordane-3

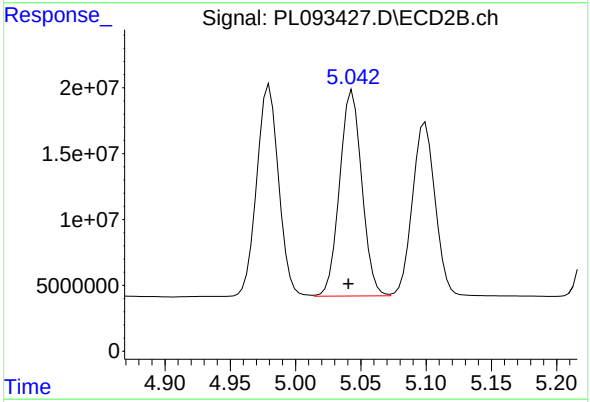
R.T.: 4.980 min
Delta R.T.: 0.002 min
Response: 187870281
Conc: 467.55 ng/ml



#26 Chlordane-4

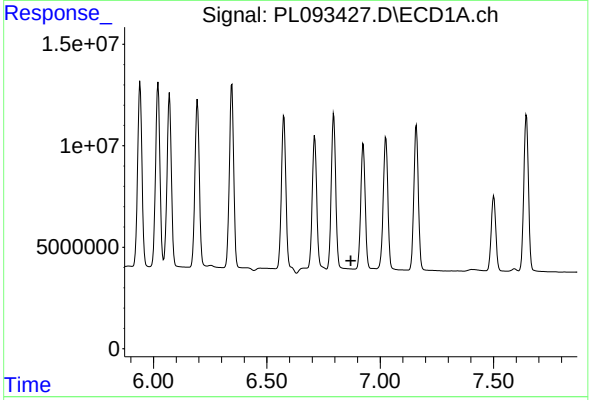
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 120899315
Conc: 260.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



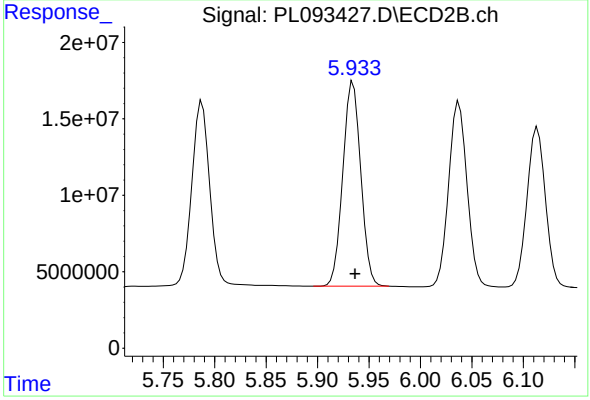
#26 Chlordane-4

R.T.: 5.044 min
Delta R.T.: 0.003 min
Response: 184699345
Conc: 473.53 ng/ml



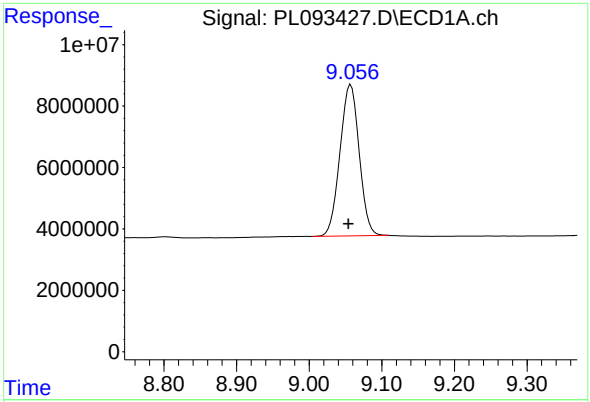
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

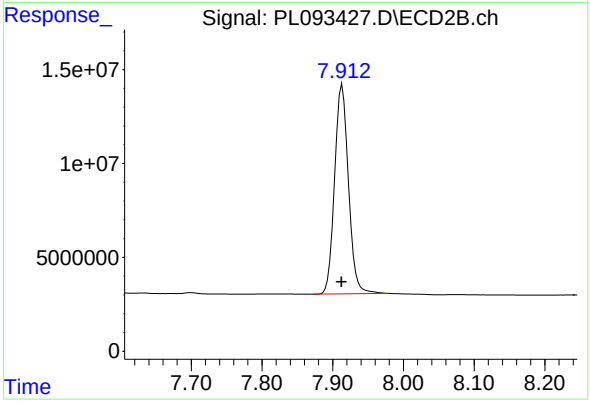
R.T.: 5.935 min
Delta R.T.: -0.002 min
Response: 162702071
Conc: 1187.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 90518729
Conc: 52.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.001 min
Response: 151733730
Conc: 53.12 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:39
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: Dec 19 21:50:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	54842103	61485454	21.101	21.319	
28)	SA Decachlor...	9.053	7.910	41330076	65058022	23.773	22.776	
	Target Compounds							
2)	A alpha-BHC	3.994	3.278	40161881	43396898	11.255	10.165	
3)	MA gamma-BHC...	4.326	3.608	37454421	40363627	11.086	9.750	
4)	MA Heptachlor	0.000	3.964f	0	34422	N.D.	0.009	#
5)	MB Aldrin	0.000	4.241f	0	142650	N.D.	0.036	#
6)	B beta-BHC	4.525	3.907	17591975	19888349	11.652	11.180	
7)	B delta-BHC	0.000	4.132	0	148665	N.D.	0.035	#
8)	B Heptachlo...	0.000	4.723	0	89668	N.D.	0.025	#
9)	A Endosulfan I	0.000	5.091	0	27252	N.D.	0.008	#
10)	B gamma-Chl...	0.000	4.986	0	1273141	N.D.	0.344	#
11)	B alpha-Chl...	0.000	5.059f	0	330491	N.D.	0.091	#
12)	B 4,4'-DDE	0.000	5.230	0	597391	N.D.	0.167	#
13)	MA Dieldrin	0.000	5.371	0	201829	N.D.	0.055	#
14)	MA Endrin	6.573	5.638	101.8E6	164.0E6	48.515	51.413	
15)	B Endosulfa...	6.811f	5.945	2745228	1210151	1.259	0.382	#
16)	A 4,4'-DDD	6.709	5.786	6217140	5221303	3.393	1.862	#
17)	MA 4,4'-DDT	7.023	6.036	185.7E6	334.9E6	96.311	113.090	
18)	B Endrin al...	6.923	6.111	3411811	5884876	1.889	2.244	
20)	A Methoxychlor	7.499	6.610	232.8E6	393.4E6	222.822	257.637	
21)	B Endrin ke...	7.642	6.839	6826061	10256240	3.008	3.055	
23)	Chlordane-1	0.000	3.765	0	26808	N.D.	0.231	#
24)	Chlordane-2	0.000	4.347	0	110177	N.D.	0.822	#
25)	Chlordane-3	0.000	4.986	0	1273141	N.D.	3.168	#
26)	Chlordane-4	0.000	5.059	0	330491	N.D.	0.847	#
27)	Chlordane-5	0.000	5.945	0	1210151	N.D.	8.832	#

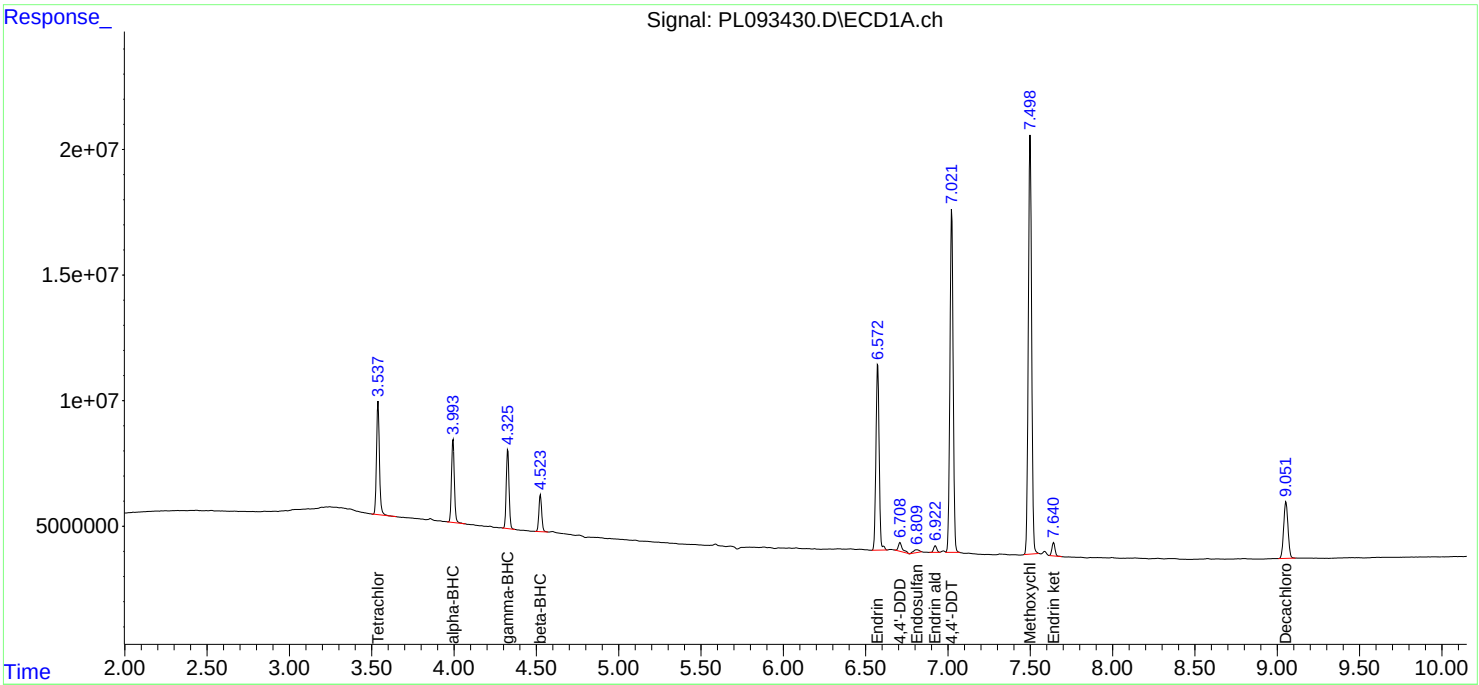
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

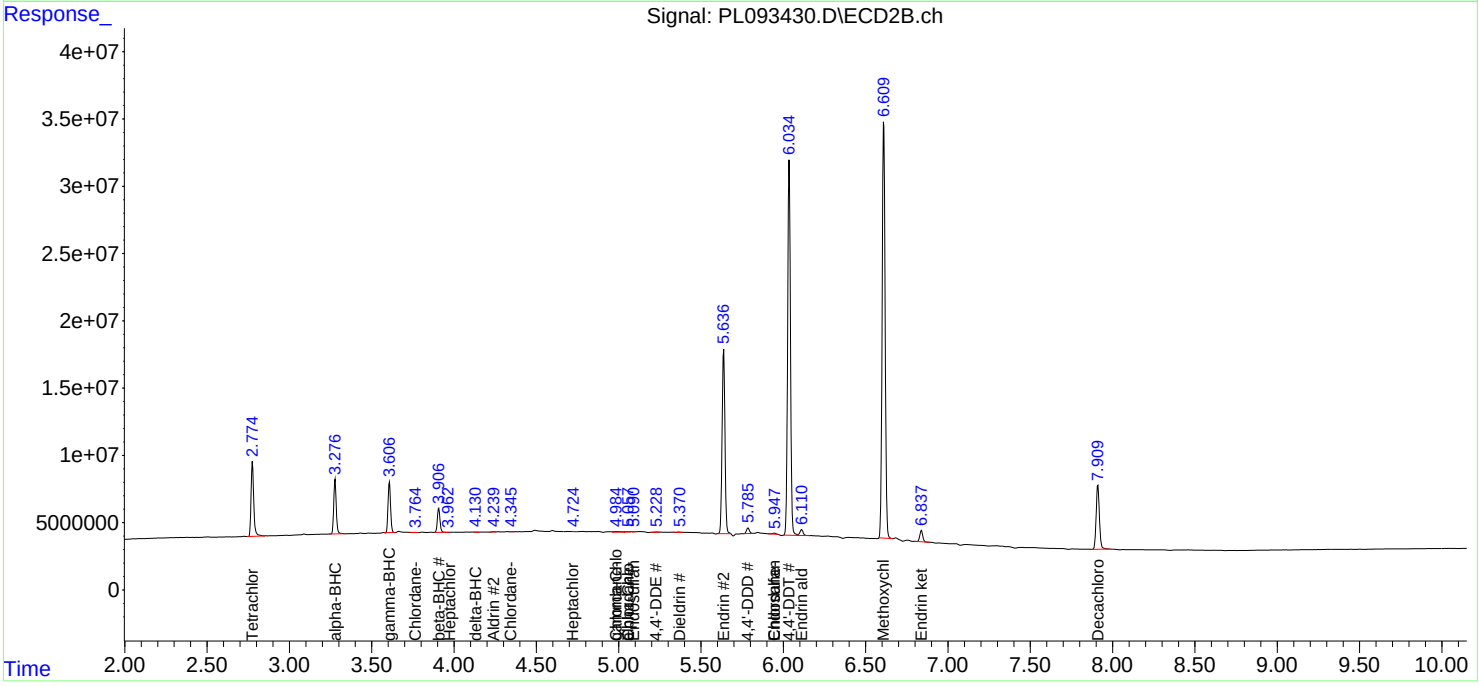
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 12:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

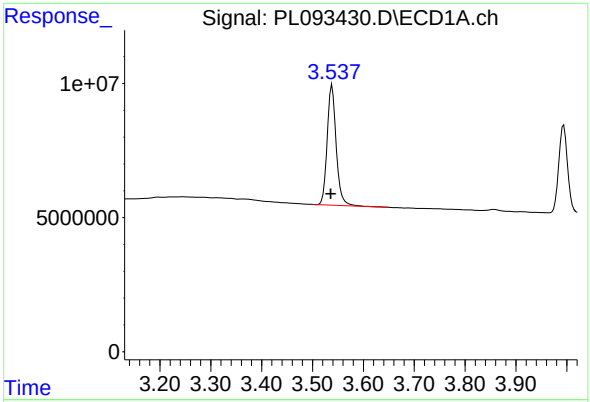
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:50:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



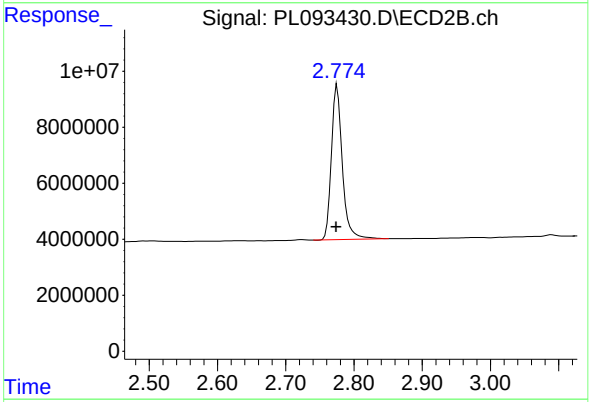




#1 Tetrachloro-m-xylene

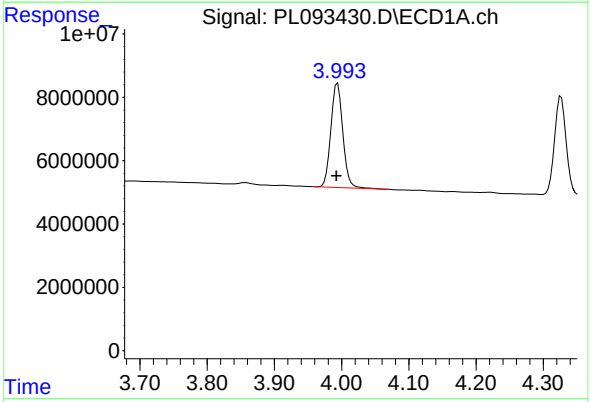
R.T.: 3.539 min
Delta R.T.: 0.003 min
Response: 54842103
Conc: 21.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



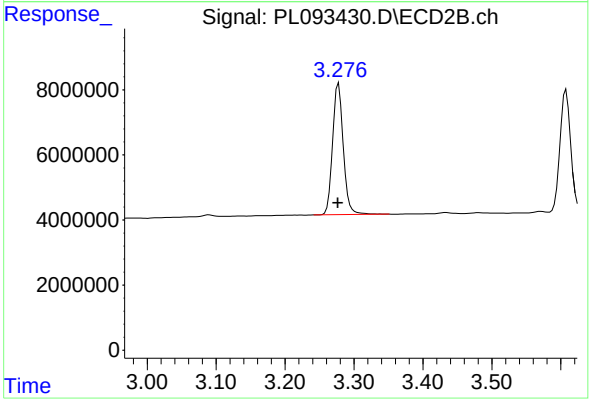
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.002 min
Response: 61485454
Conc: 21.32 ng/ml



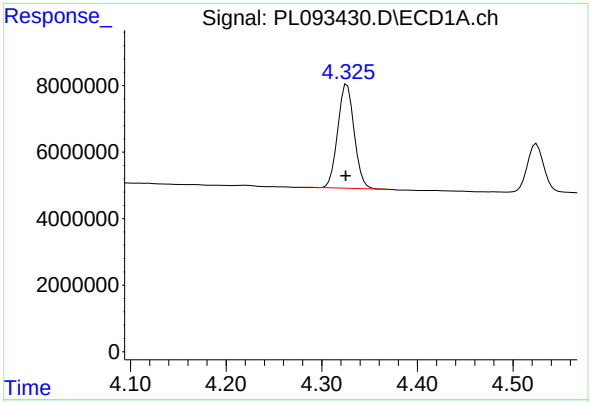
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.002 min
Response: 40161881
Conc: 11.25 ng/ml



#2 alpha-BHC

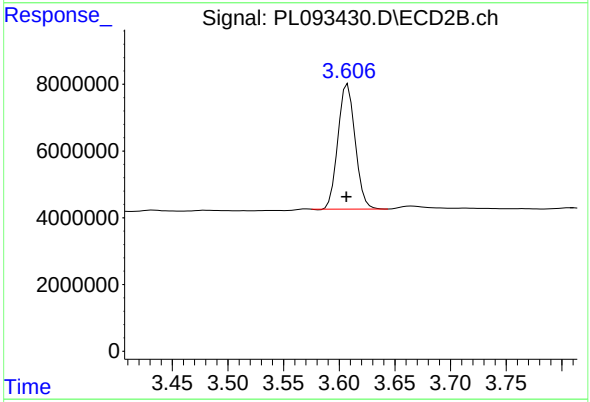
R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 43396898
Conc: 10.16 ng/ml



#3 gamma-BHC (Lindane)

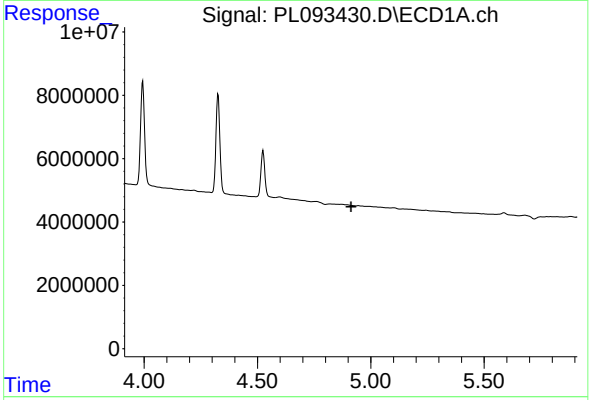
R.T.: 4.326 min
Delta R.T.: 0.002 min
Response: 37454421
Conc: 11.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



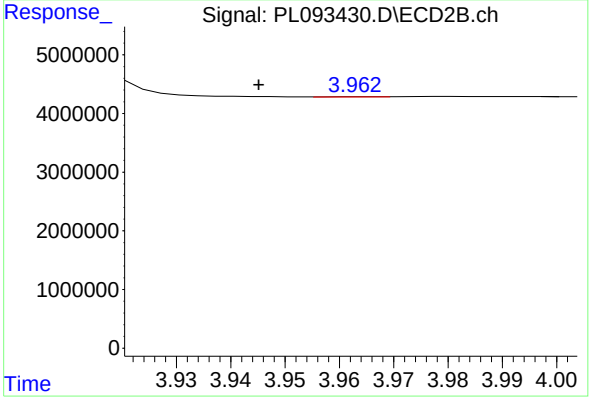
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.001 min
Response: 40363627
Conc: 9.75 ng/ml



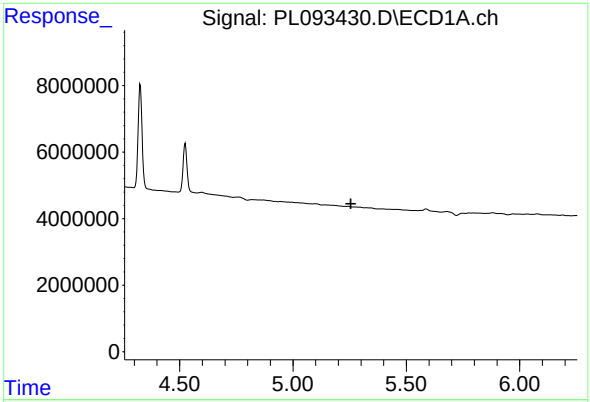
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.



#4 Heptachlor

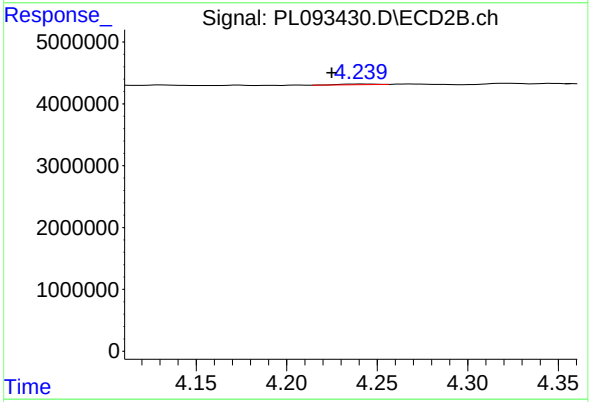
R.T.: 3.964 min
Delta R.T.: 0.019 min
Response: 34422
Conc: 0.01 ng/ml



#5 Aldrin

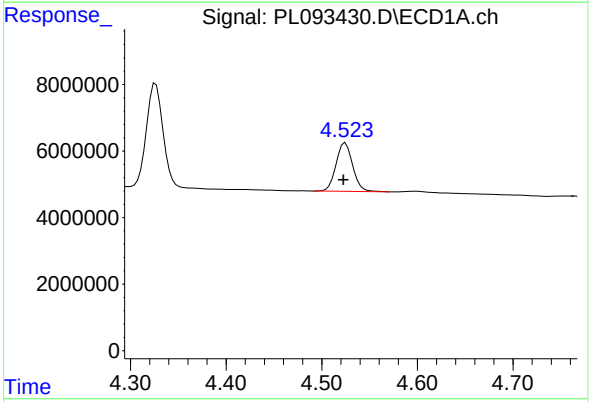
R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



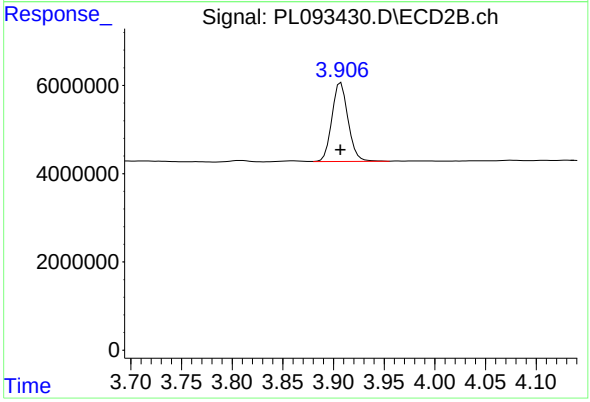
#5 Aldrin

R.T.: 4.241 min
Delta R.T.: 0.016 min
Response: 142650
Conc: 0.04 ng/ml



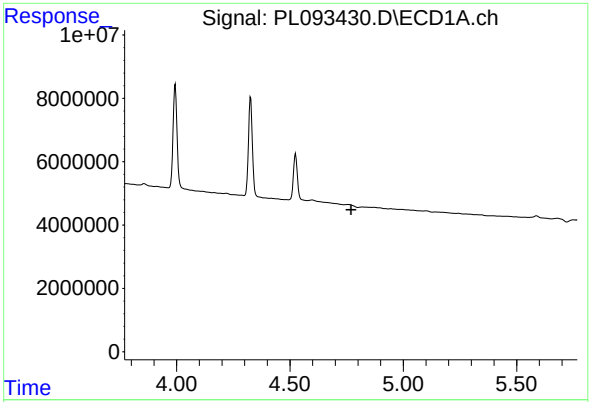
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.002 min
Response: 17591975
Conc: 11.65 ng/ml



#6 beta-BHC

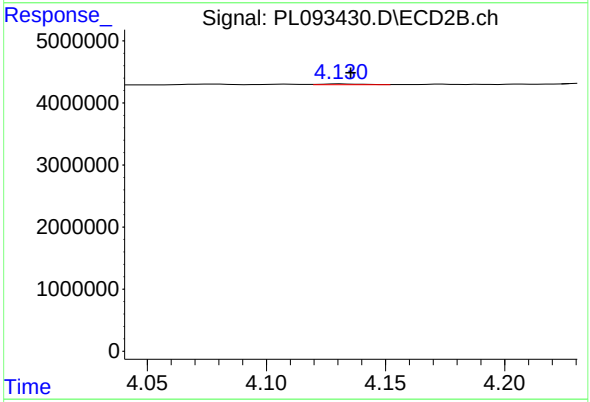
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 19888349
Conc: 11.18 ng/ml



#7 delta-BHC

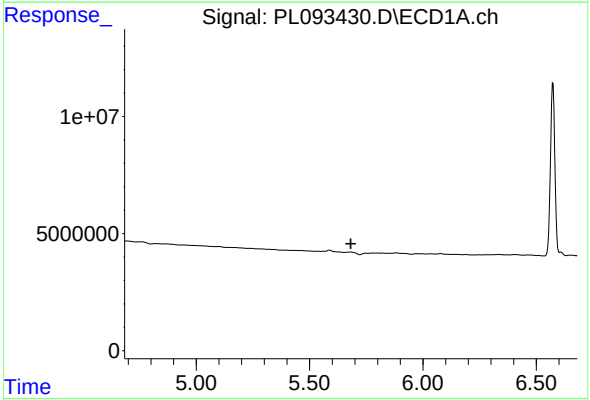
R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



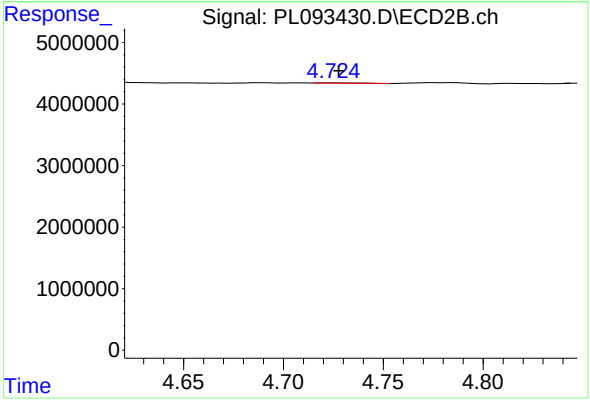
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 148665
Conc: 0.03 ng/ml



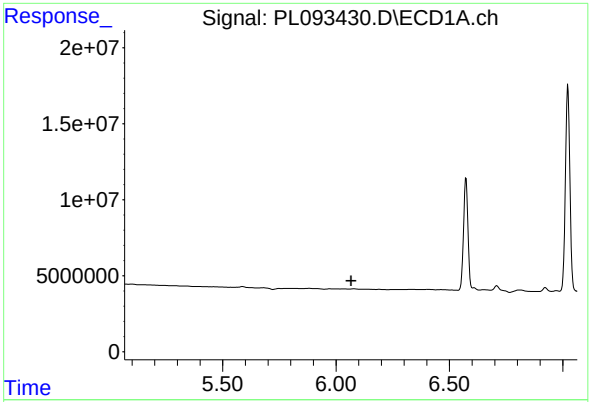
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

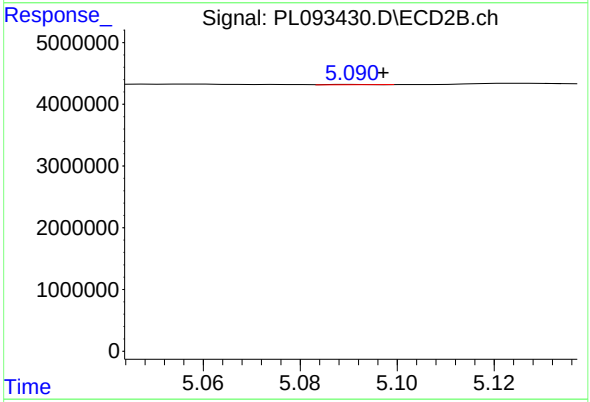
R.T.: 4.723 min
Delta R.T.: -0.005 min
Response: 89668
Conc: 0.02 ng/ml



#9 Endosulfan I

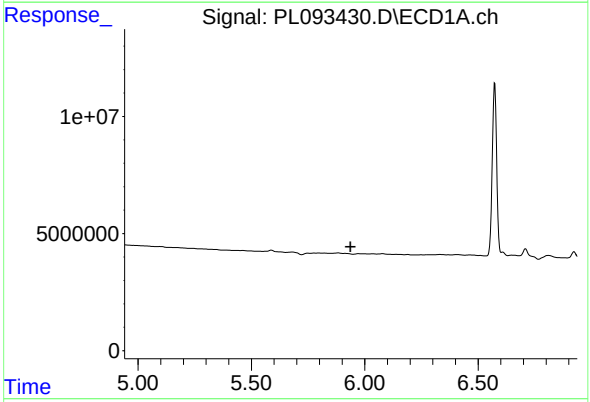
R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



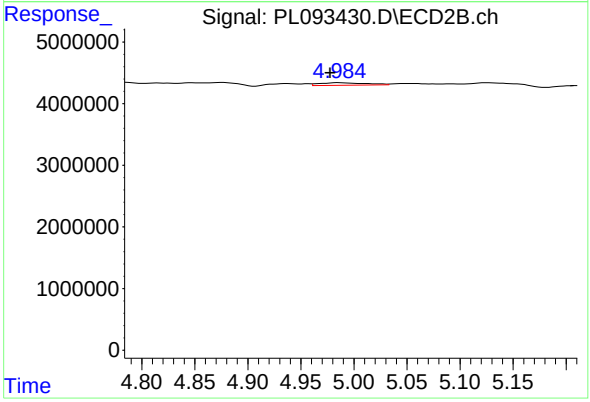
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.006 min
Response: 27252
Conc: 0.01 ng/ml



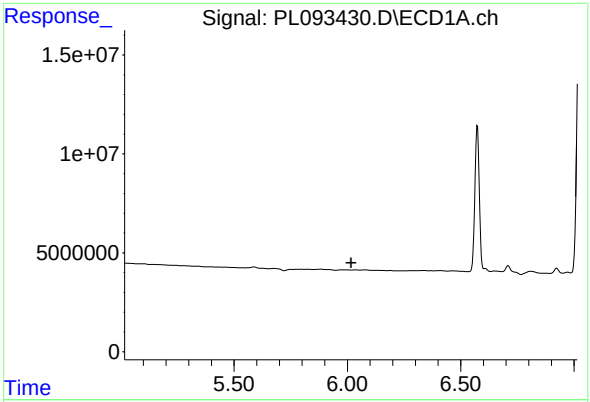
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

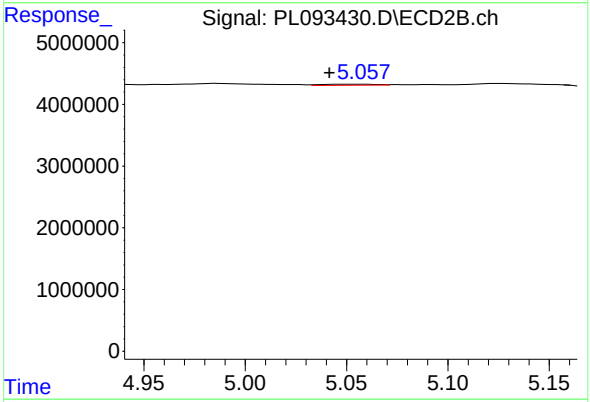
R.T.: 4.986 min
Delta R.T.: 0.008 min
Response: 1273141
Conc: 0.34 ng/ml



#11 alpha-Chlordane

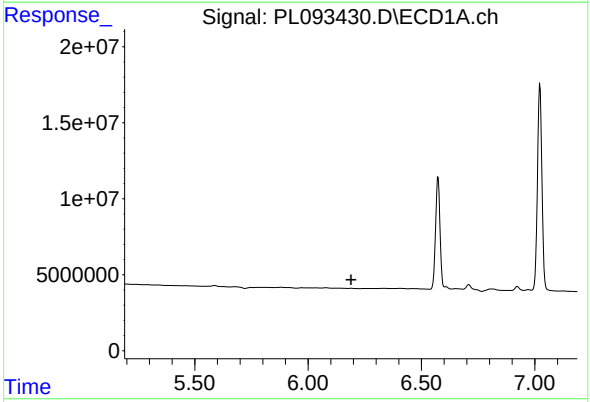
R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



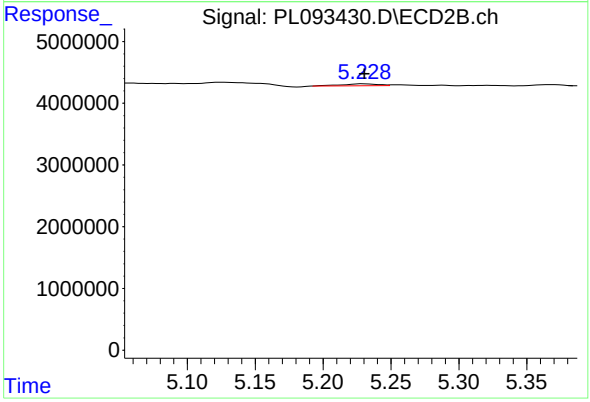
#11 alpha-Chlordane

R.T.: 5.059 min
Delta R.T.: 0.017 min
Response: 330491
Conc: 0.09 ng/ml



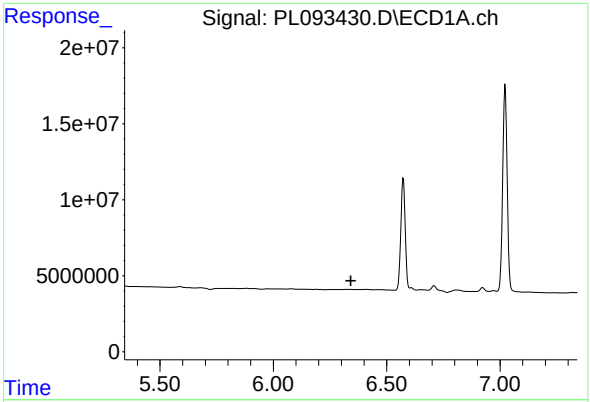
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

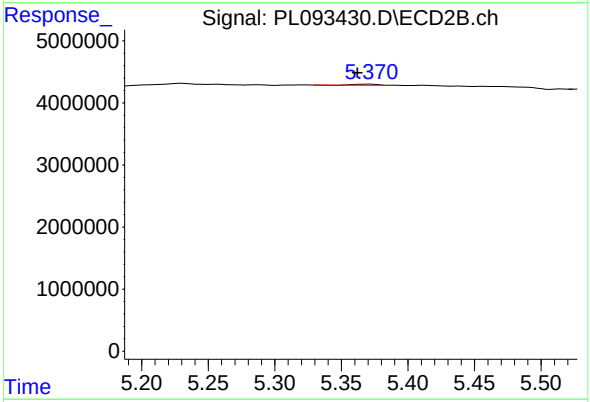
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 597391
Conc: 0.17 ng/ml



#13 Dieldrin

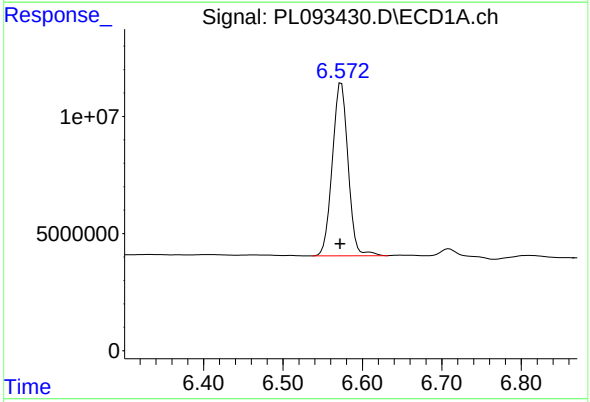
R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



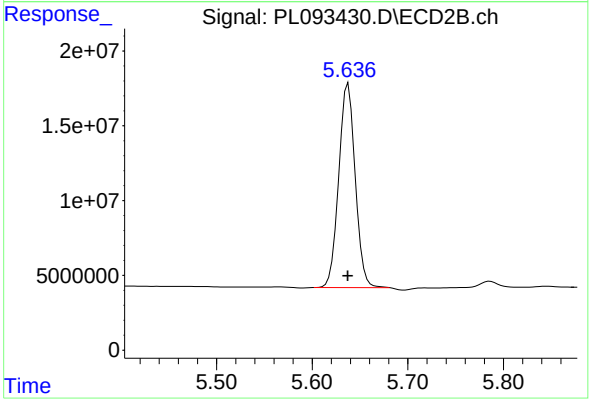
#13 Dieldrin

R.T.: 5.371 min
Delta R.T.: 0.009 min
Response: 201829
Conc: 0.05 ng/ml



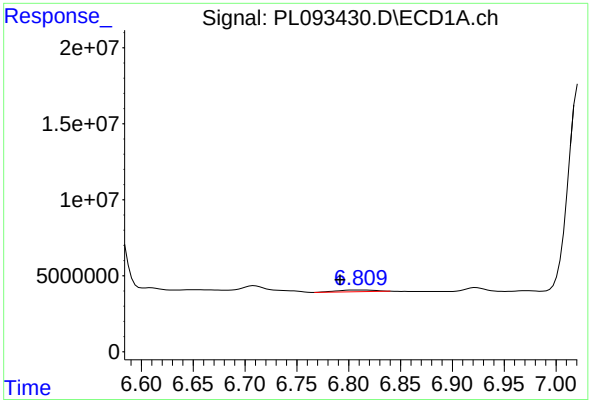
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 101759119
Conc: 48.51 ng/ml



#14 Endrin

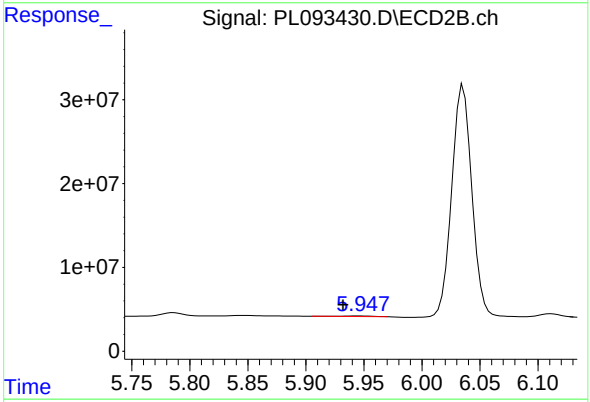
R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 163967884
Conc: 51.41 ng/ml



#15 Endosulfan II

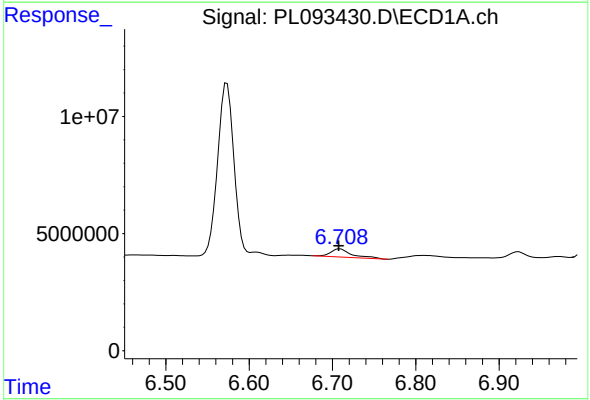
R.T.: 6.811 min
Delta R.T.: 0.019 min
Response: 2745228
Conc: 1.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



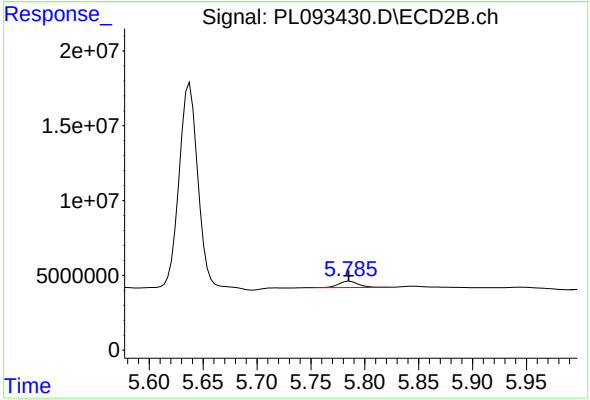
#15 Endosulfan II

R.T.: 5.945 min
Delta R.T.: 0.013 min
Response: 1210151
Conc: 0.38 ng/ml



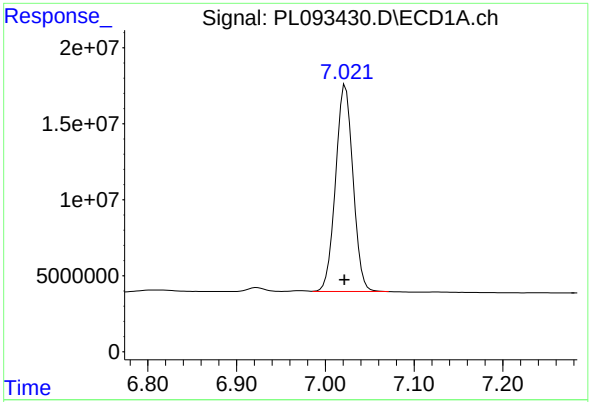
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 6217140
Conc: 3.39 ng/ml



#16 4,4'-DDD

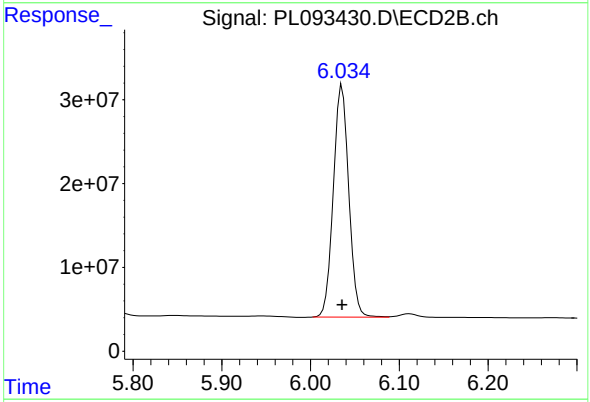
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 5221303
Conc: 1.86 ng/ml



#17 4,4'-DDT

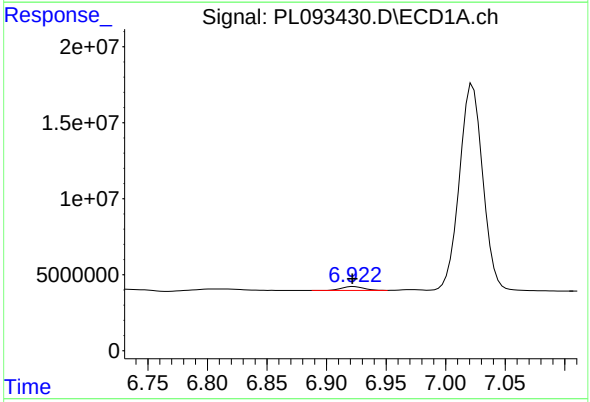
R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 185670848
Conc: 96.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



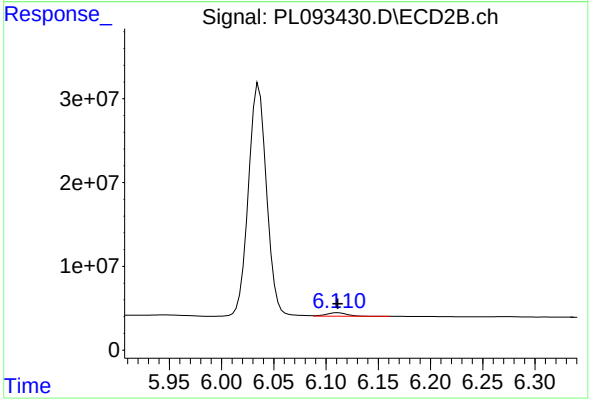
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 334947583
Conc: 113.09 ng/ml



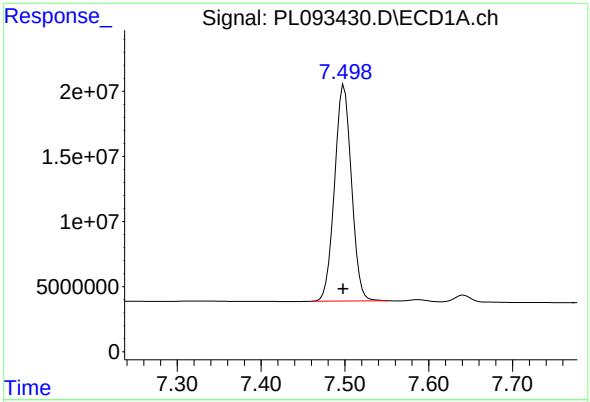
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.001 min
Response: 3411811
Conc: 1.89 ng/ml



#18 Endrin aldehyde

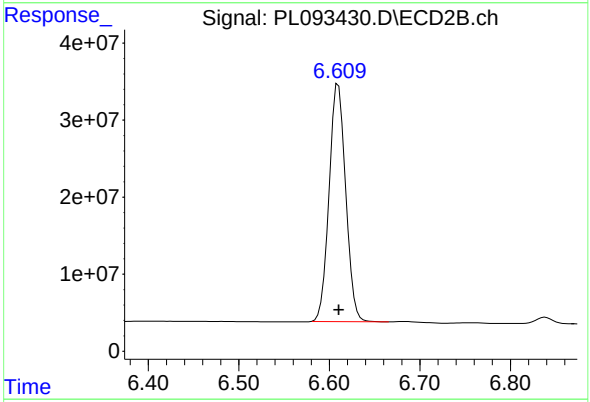
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 5884876
Conc: 2.24 ng/ml



#20 Methoxychlor

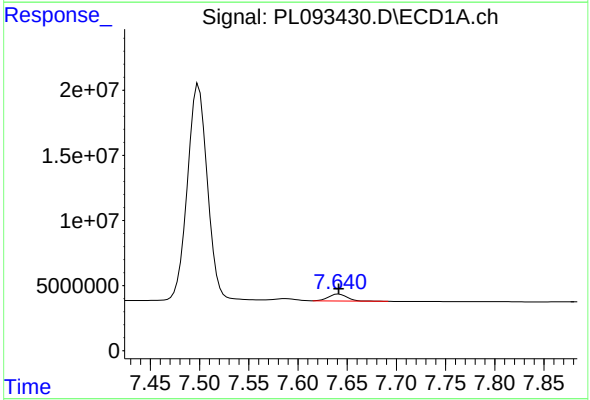
R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 232821995
Conc: 222.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



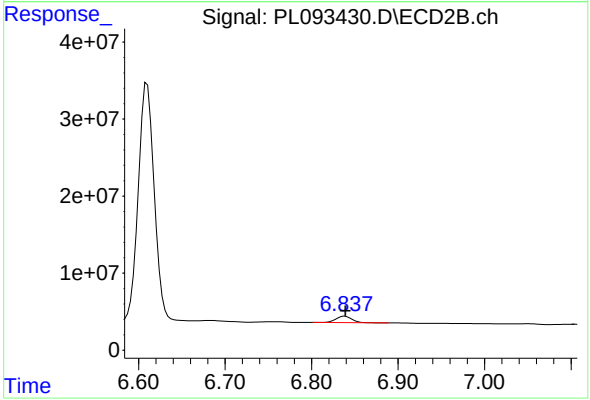
#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 393396599
Conc: 257.64 ng/ml



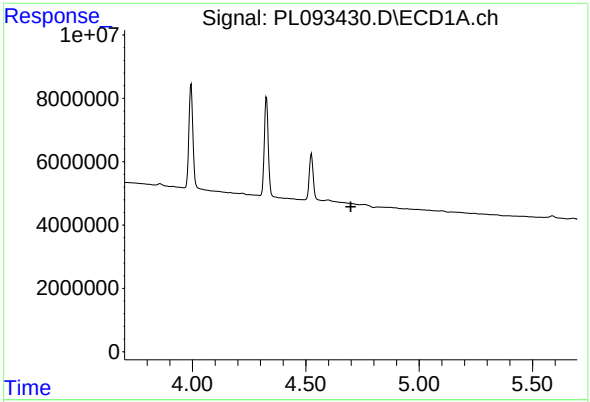
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 6826061
Conc: 3.01 ng/ml



#21 Endrin ketone

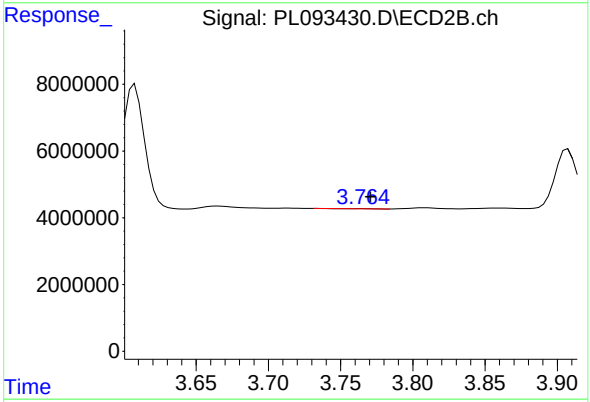
R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 10256240
Conc: 3.06 ng/ml



#23 Chlordane-1

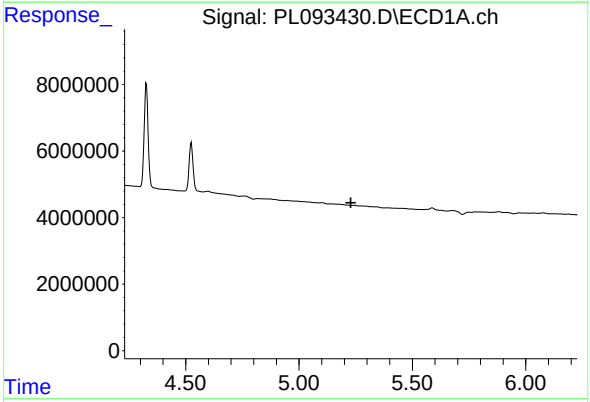
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



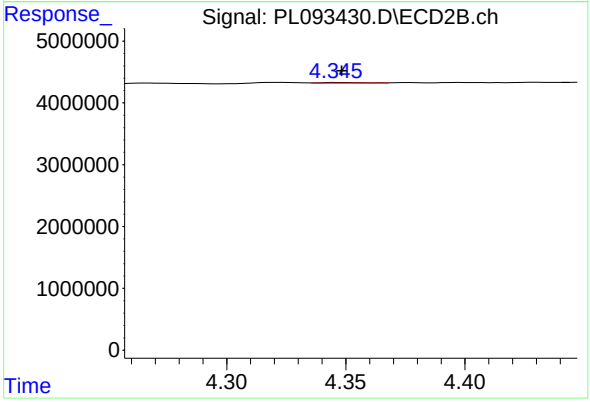
#23 Chlordane-1

R.T.: 3.765 min
Delta R.T.: -0.006 min
Response: 26808
Conc: 0.23 ng/ml



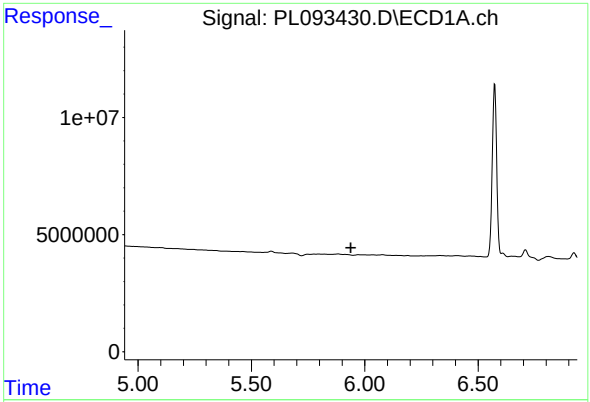
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.



#24 Chlordane-2

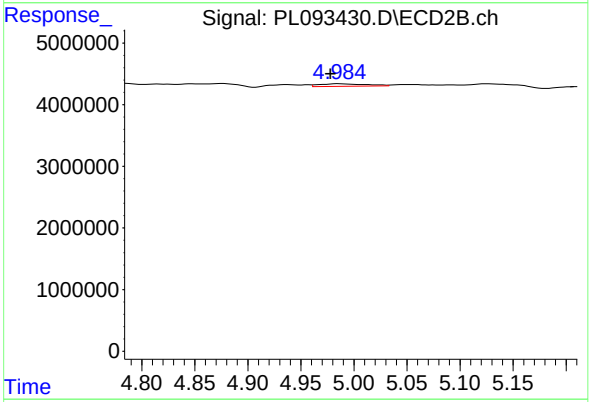
R.T.: 4.347 min
Delta R.T.: -0.002 min
Response: 110177
Conc: 0.82 ng/ml



#25 Chlordane-3

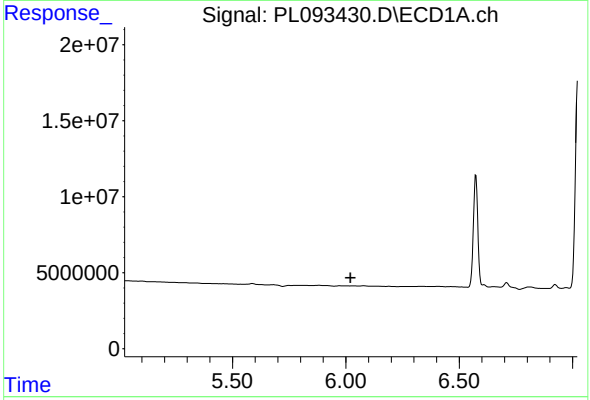
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



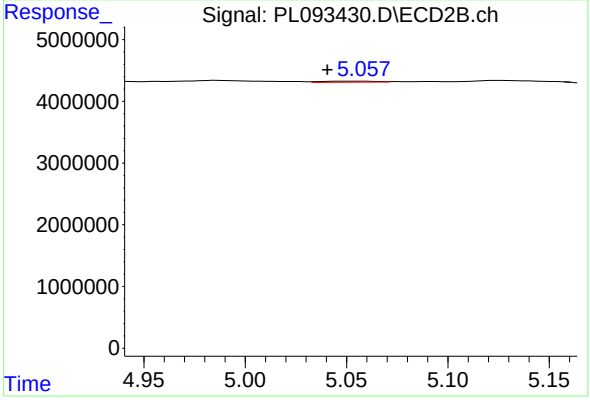
#25 Chlordane-3

R.T.: 4.986 min
Delta R.T.: 0.008 min
Response: 1273141
Conc: 3.17 ng/ml



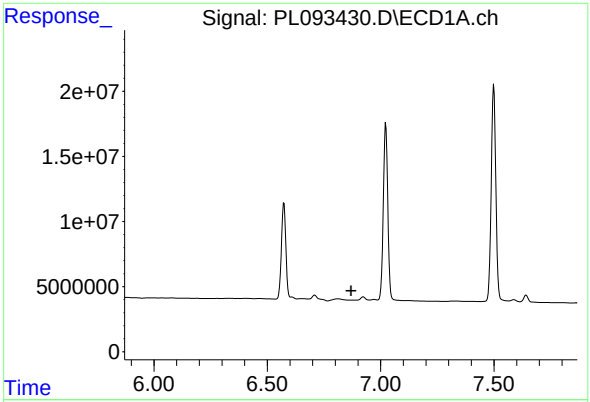
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.



#26 Chlordane-4

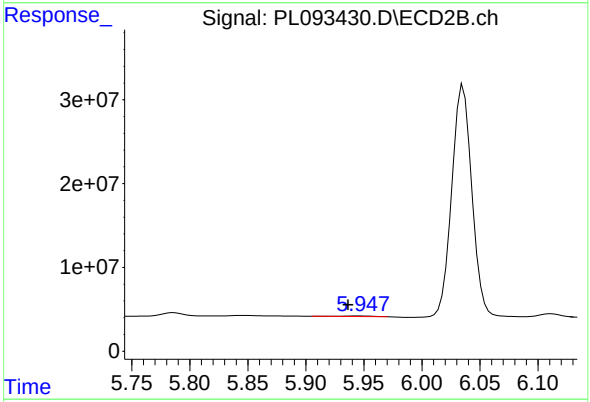
R.T.: 5.059 min
Delta R.T.: 0.018 min
Response: 330491
Conc: 0.85 ng/ml



#27 Chlordane-5

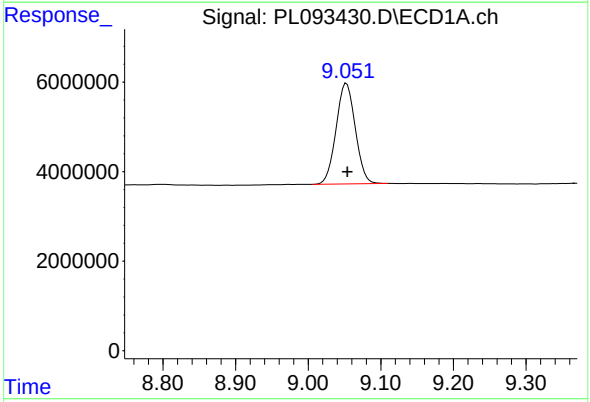
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



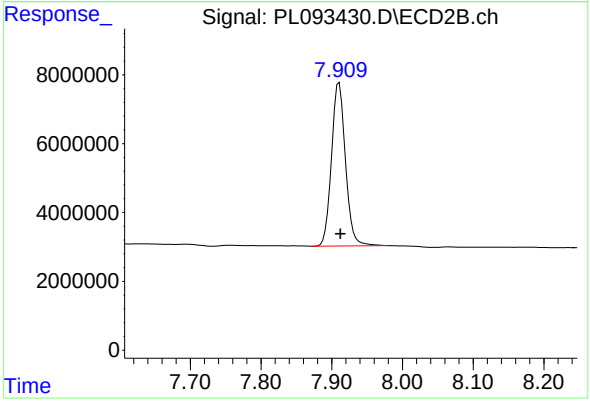
#27 Chlordane-5

R.T.: 5.945 min
Delta R.T.: 0.009 min
Response: 1210151
Conc: 8.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 41330076
Conc: 23.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 65058022
Conc: 22.78 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 15:47
Operator : AR\AJ
Sample : P5306-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.543	2.775	105.6E6	62562836	40.648	21.693	#
28)	SA Decachlor...	9.057	7.912	44384342	68709325	25.530	24.054	
	Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	559478	N.D.	0.131	#
4)	MA Heptachlor	0.000	3.939	0	1357622	N.D.	0.336	#
5)	MB Aldrin	0.000	4.247f	0	280568	N.D.	0.071	#
6)	B beta-BHC	4.508	3.914	3757654	596006	2.489	0.335	#
7)	B delta-BHC	4.764	4.126	3109434	272629	0.940	0.064	#
8)	B Heptachlo...	0.000	4.709f	0	1621122	N.D.	0.445	#
11)	B alpha-Chl...	0.000	5.060f	0	1747399	N.D.	0.481	#
12)	B 4,4'-DDE	0.000	5.258f	0	5625025	N.D.	1.571	#
13)	MA Dieldrin	0.000	5.379f	0	398174	N.D.	0.108	#
14)	MA Endrin	0.000	5.640	0	2518353	N.D.	0.790	#
17)	MA 4,4'-DDT	0.000	6.029	0	636527	N.D.	0.215	#
18)	B Endrin al...	0.000	6.084f	0	648947	N.D.	0.247	#
21)	B Endrin ke...	7.667f	0.000	4784151	0	2.108	N.D.	#
22)	Mirex	0.000	7.000f	0	1545746	N.D.	0.575	#
23)	Chlordane-1	0.000	3.763	0	77531	N.D.	0.667	#
24)	Chlordane-2	5.202f	4.326f	521815	1781075	4.551	13.292	#
25)	Chlordane-3	0.000	5.010f	0	1955294	N.D.	4.866	#
26)	Chlordane-4	0.000	5.060f	0	1747399	N.D.	4.480	#

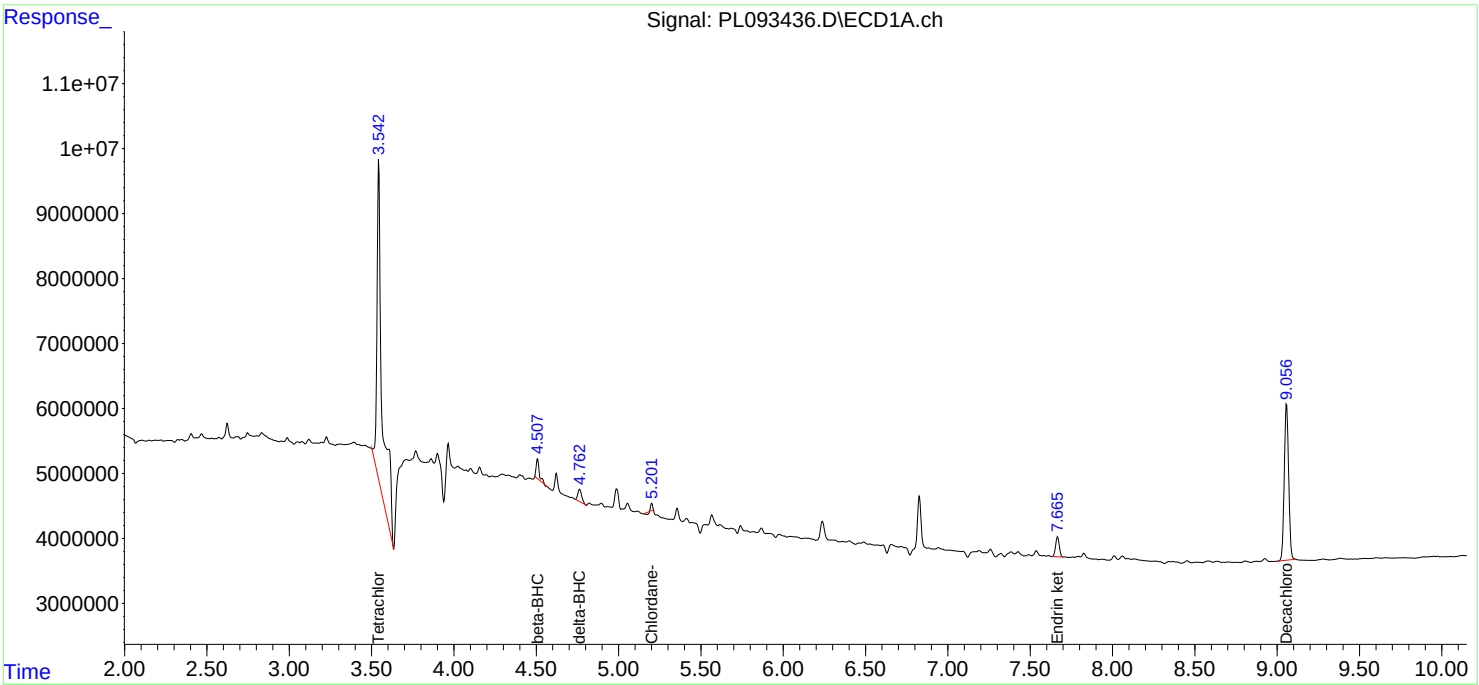
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

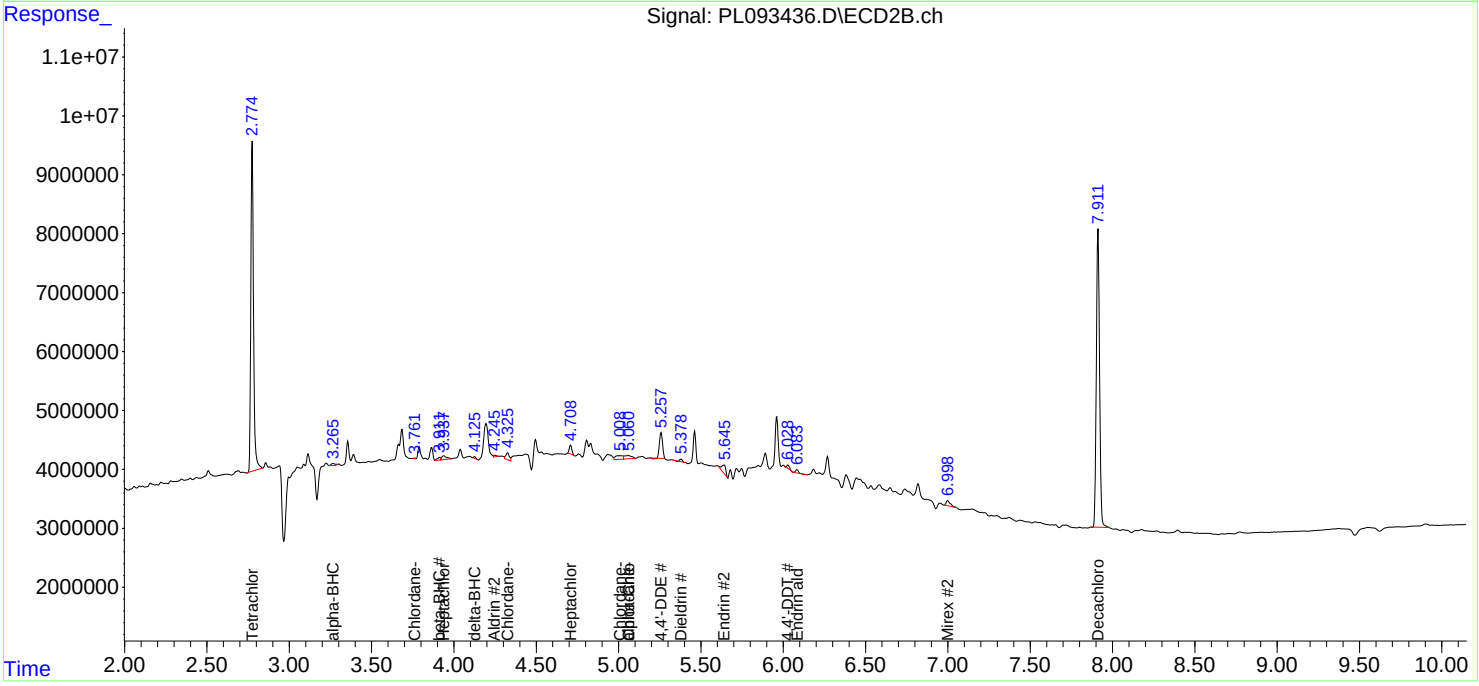
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 15:47
Operator : AR\AJ
Sample : P5306-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

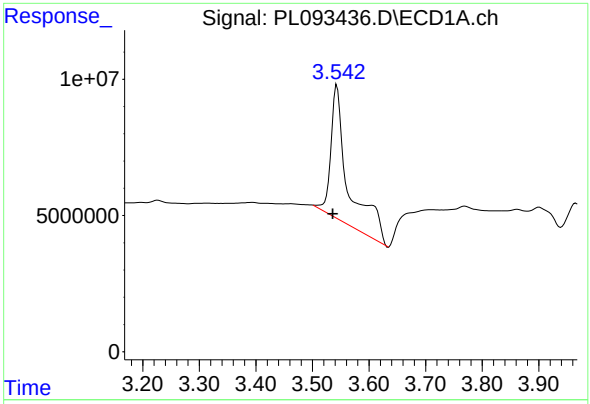
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



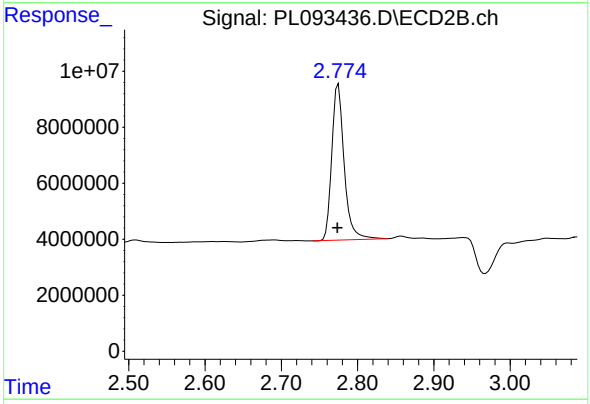




#1 Tetrachloro-m-xylene

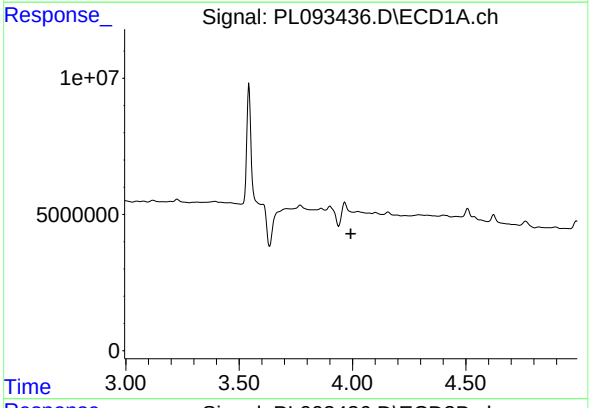
R.T.: 3.543 min
Delta R.T.: 0.007 min
Response: 105642014
Conc: 40.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



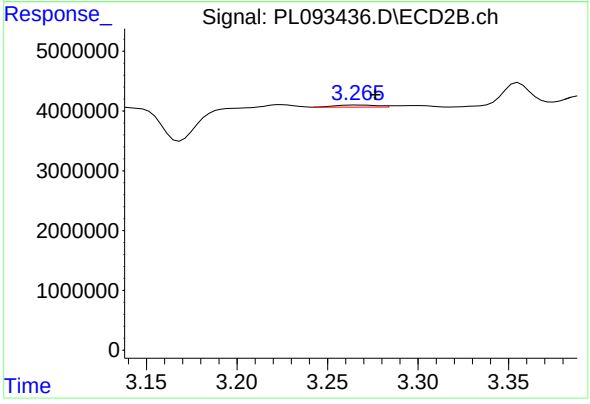
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.001 min
Response: 62562836
Conc: 21.69 ng/ml



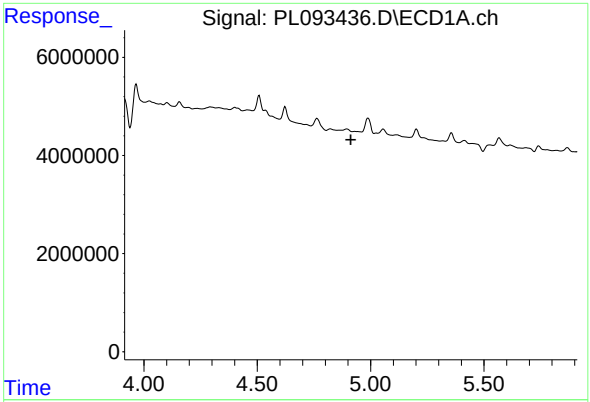
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

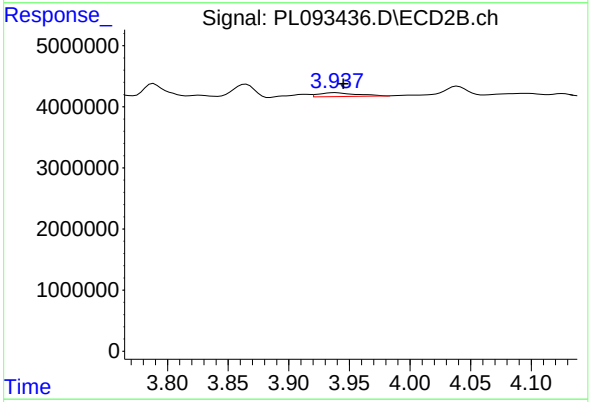
R.T.: 3.267 min
Delta R.T.: -0.010 min
Response: 559478
Conc: 0.13 ng/ml



#4 Heptachlor

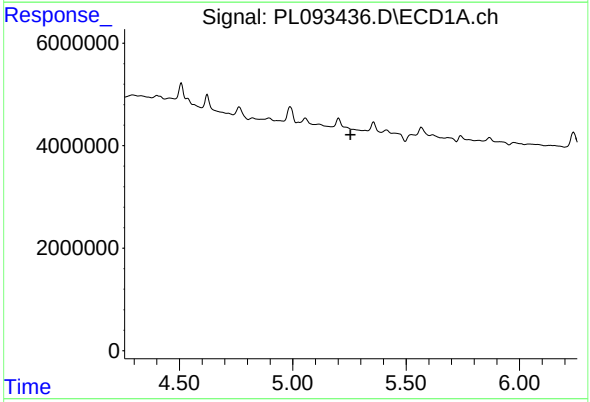
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



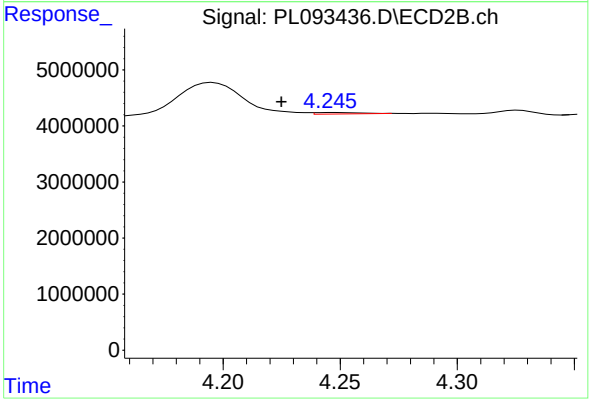
#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.006 min
Response: 1357622
Conc: 0.34 ng/ml



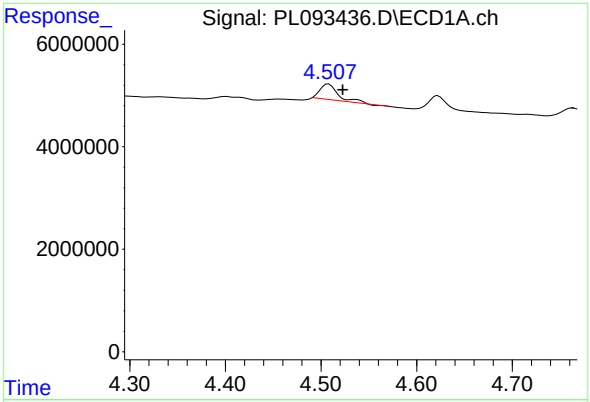
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

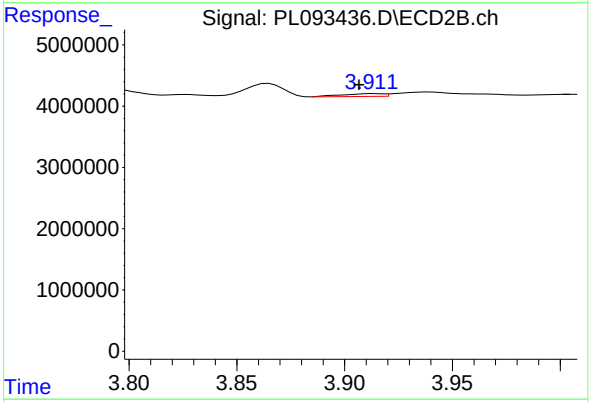
R.T.: 4.247 min
Delta R.T.: 0.022 min
Response: 280568
Conc: 0.07 ng/ml



#6 beta-BHC

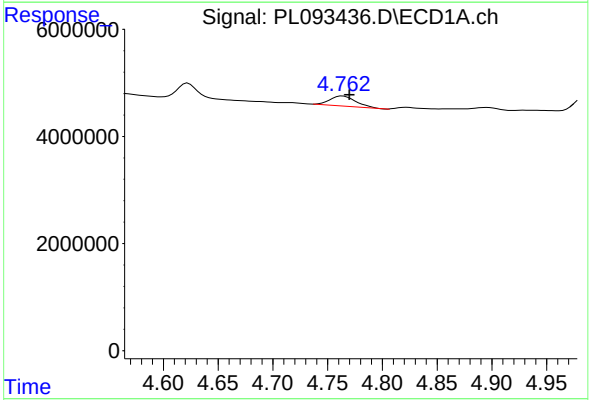
R.T.: 4.508 min
Delta R.T.: -0.015 min
Response: 3757654
Conc: 2.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



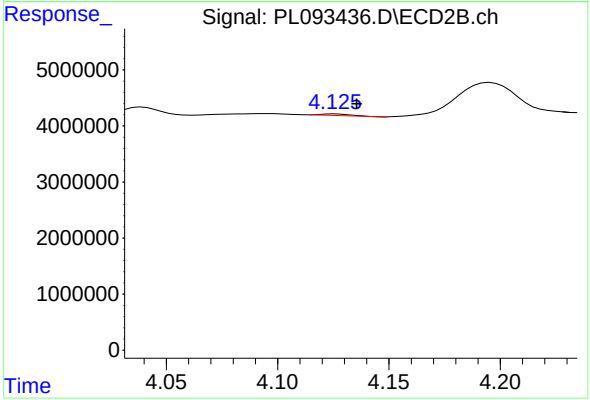
#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: 0.007 min
Response: 596006
Conc: 0.34 ng/ml



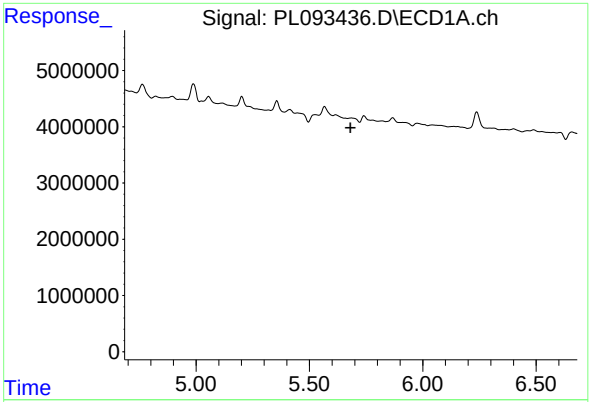
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: -0.006 min
Response: 3109434
Conc: 0.94 ng/ml



#7 delta-BHC

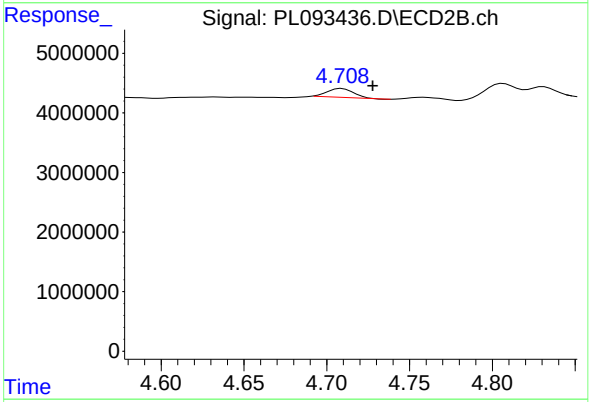
R.T.: 4.126 min
Delta R.T.: -0.009 min
Response: 272629
Conc: 0.06 ng/ml



#8 Heptachlor epoxide

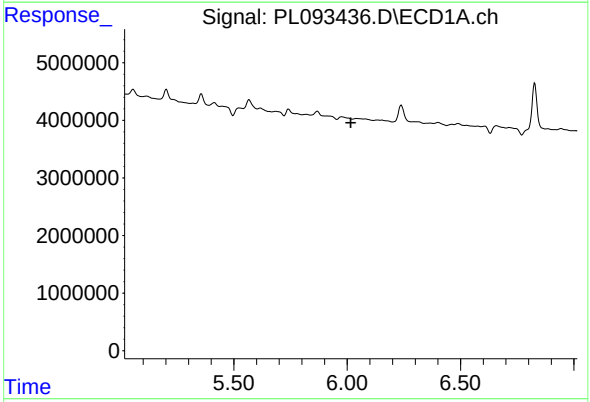
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



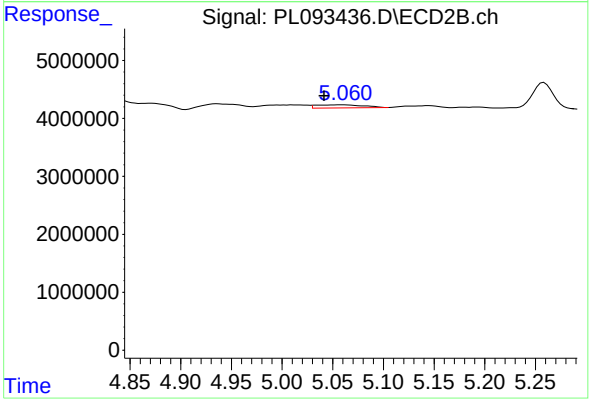
#8 Heptachlor epoxide

R.T.: 4.709 min
Delta R.T.: -0.019 min
Response: 1621122
Conc: 0.45 ng/ml



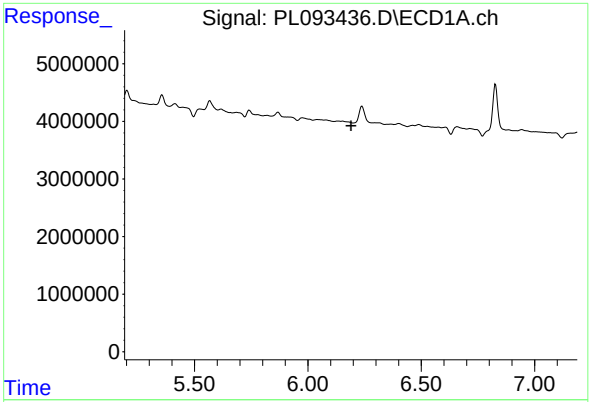
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

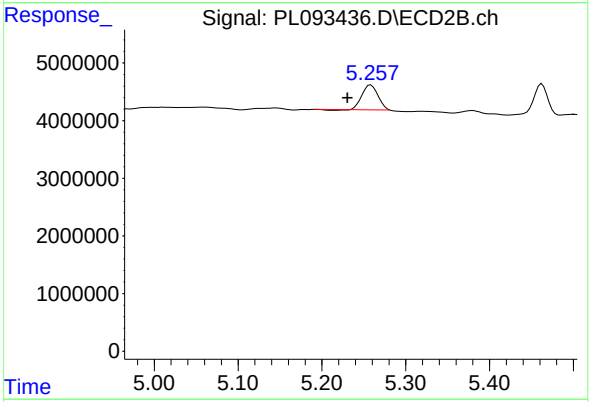
R.T.: 5.060 min
Delta R.T.: 0.019 min
Response: 1747399
Conc: 0.48 ng/ml



#12 4,4'-DDE

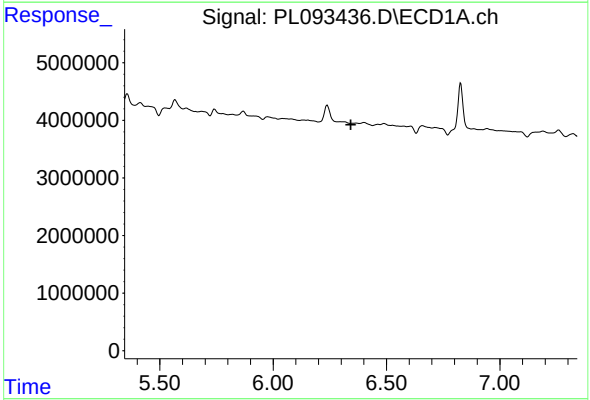
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



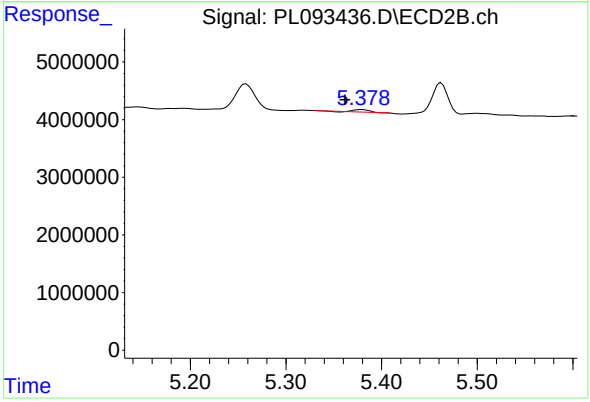
#12 4,4'-DDE

R.T.: 5.258 min
Delta R.T.: 0.028 min
Response: 5625025
Conc: 1.57 ng/ml



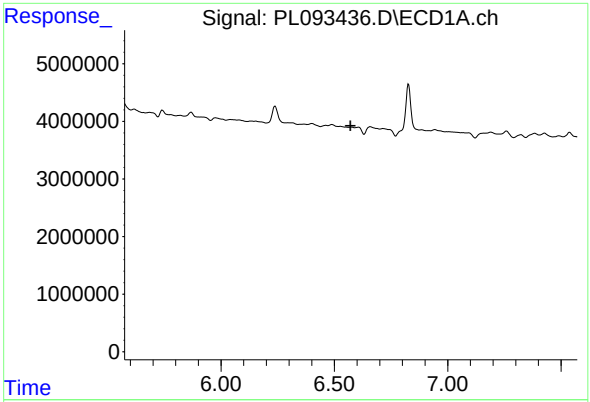
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

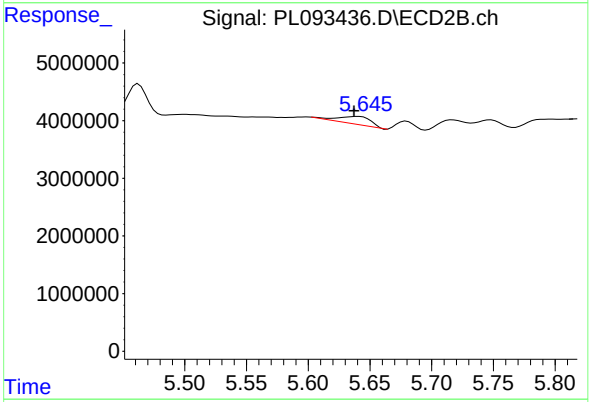
R.T.: 5.379 min
Delta R.T.: 0.018 min
Response: 398174
Conc: 0.11 ng/ml



#14 Endrin

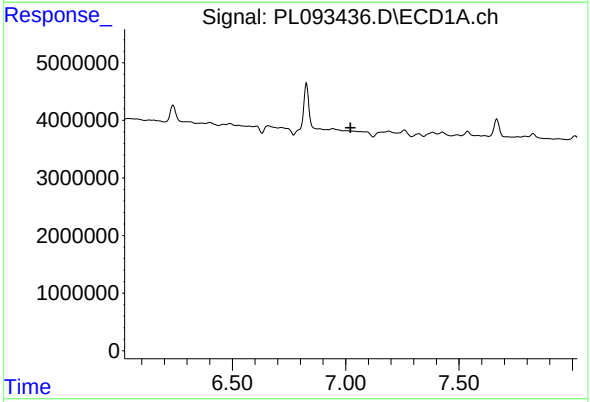
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



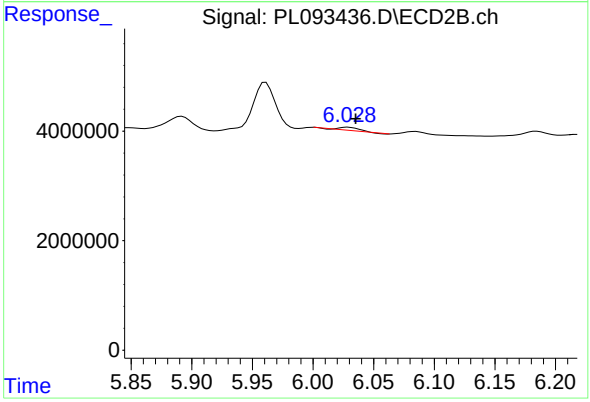
#14 Endrin

R.T.: 5.640 min
Delta R.T.: 0.003 min
Response: 2518353
Conc: 0.79 ng/ml



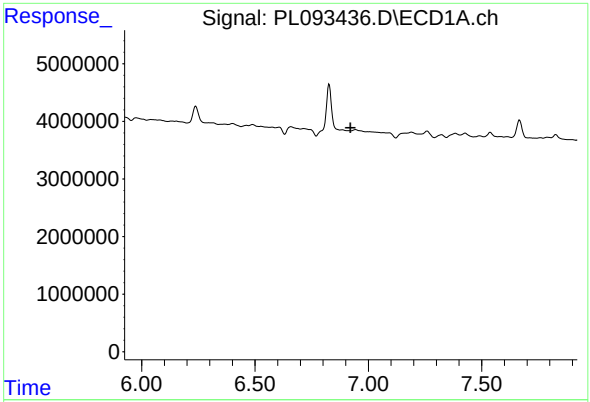
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

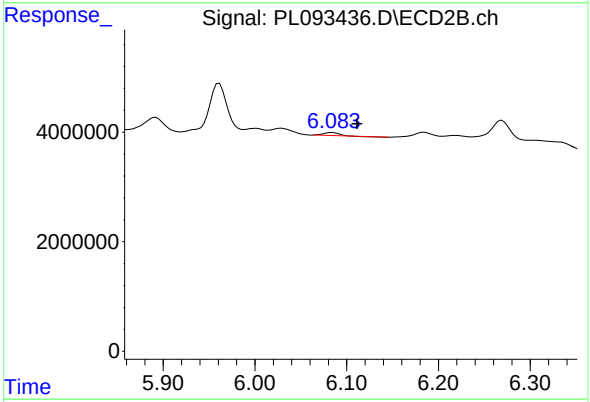
R.T.: 6.029 min
Delta R.T.: -0.007 min
Response: 636527
Conc: 0.21 ng/ml



#18 Endrin aldehyde

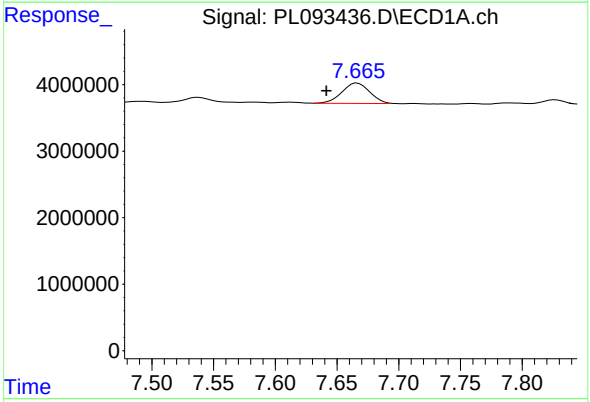
R.T.: 0.000 min
Exp R.T. : 6.922 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



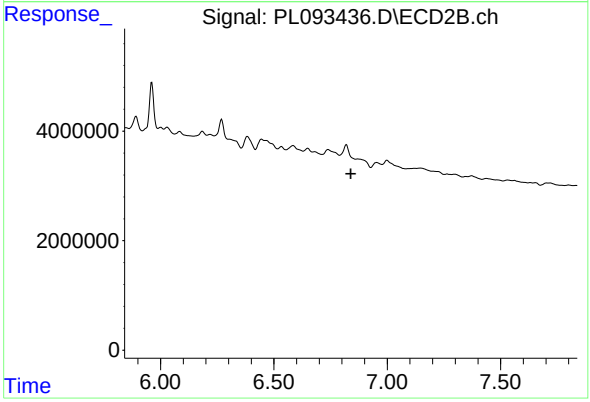
#18 Endrin aldehyde

R.T.: 6.084 min
Delta R.T.: -0.027 min
Response: 648947
Conc: 0.25 ng/ml



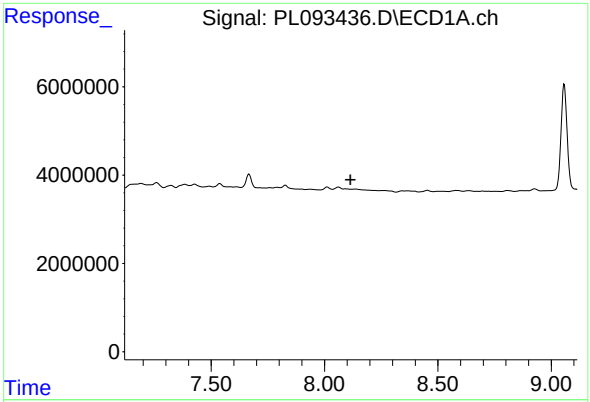
#21 Endrin ketone

R.T.: 7.667 min
Delta R.T.: 0.025 min
Response: 4784151
Conc: 2.11 ng/ml



#21 Endrin ketone

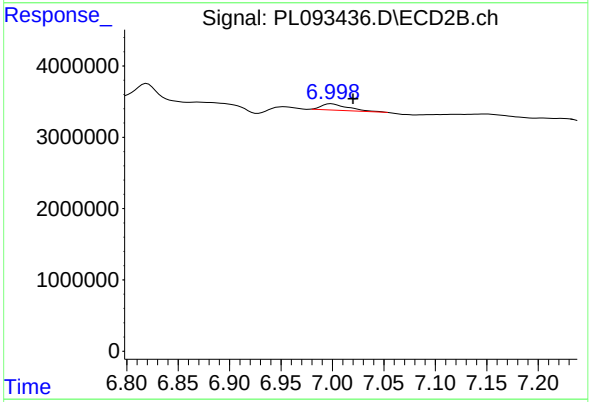
R.T.: 0.000 min
Exp R.T. : 6.839 min
Response: 0
Conc: N.D.



#22 Mirex

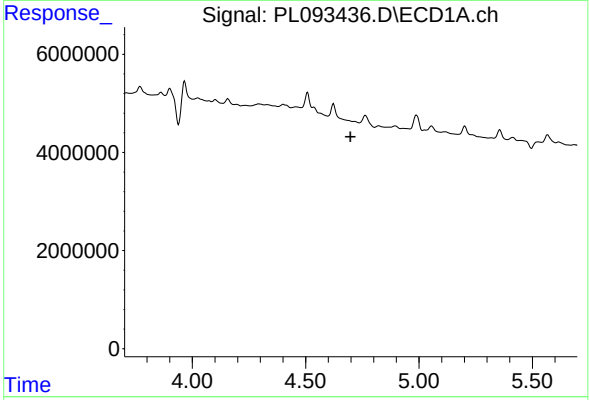
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



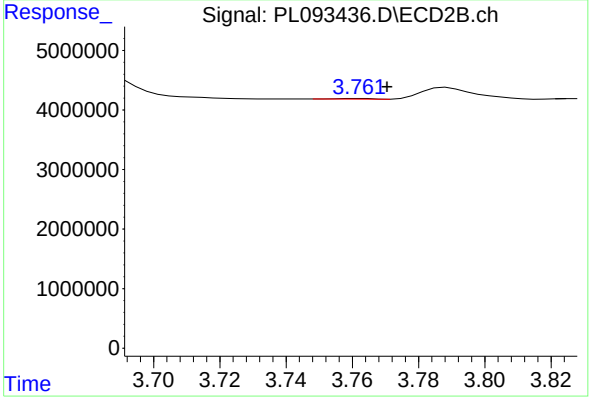
#22 Mirex

R.T.: 7.000 min
Delta R.T.: -0.021 min
Response: 1545746
Conc: 0.58 ng/ml



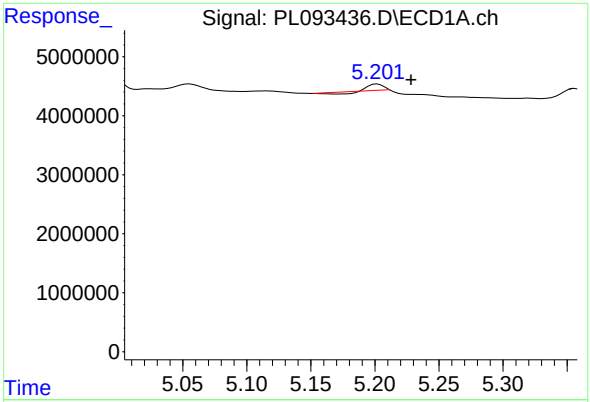
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.



#23 Chlordane-1

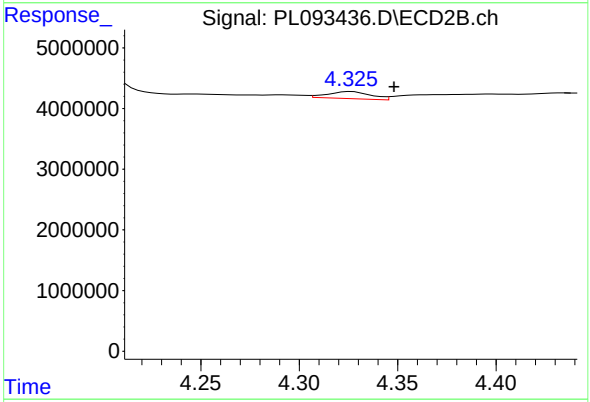
R.T.: 3.763 min
Delta R.T.: -0.008 min
Response: 77531
Conc: 0.67 ng/ml



#24 Chlordane-2

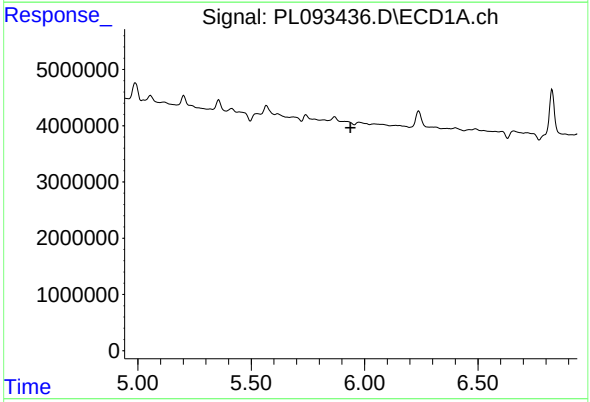
R.T.: 5.202 min
Delta R.T.: -0.026 min
Response: 521815
Conc: 4.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



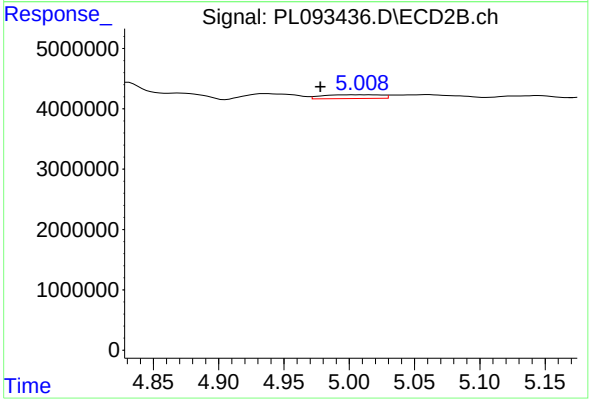
#24 Chlordane-2

R.T.: 4.326 min
Delta R.T.: -0.022 min
Response: 1781075
Conc: 13.29 ng/ml



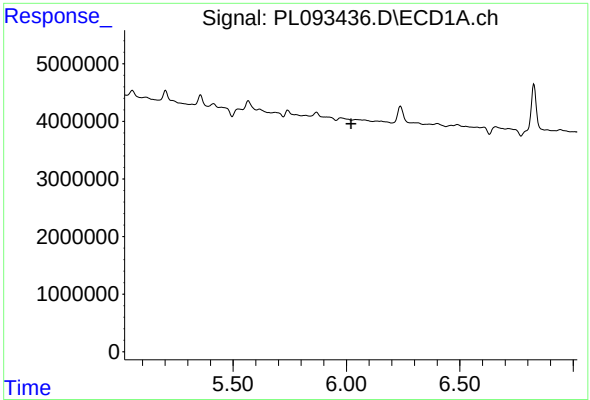
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

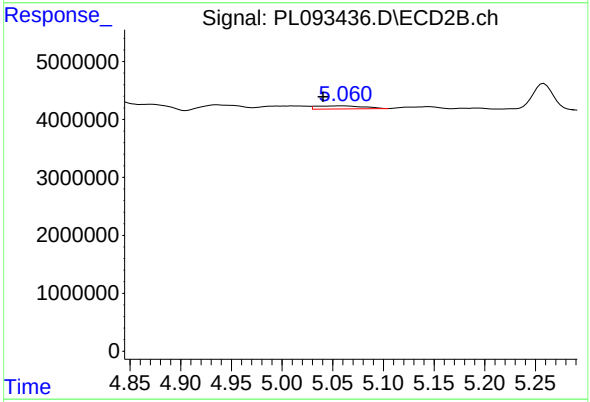
R.T.: 5.010 min
Delta R.T.: 0.032 min
Response: 1955294
Conc: 4.87 ng/ml



#26 Chlordane-4

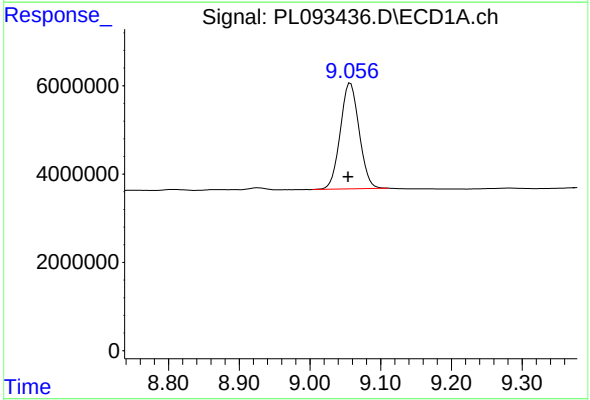
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-10-121224



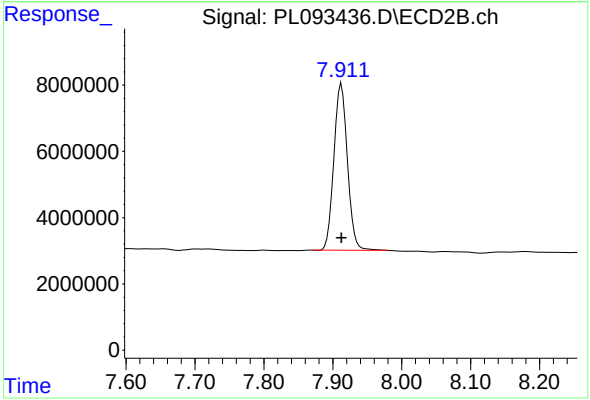
#26 Chlordane-4

R.T.: 5.060 min
Delta R.T.: 0.019 min
Response: 1747399
Conc: 4.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.003 min
Response: 44384342
Conc: 25.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 68709325
Conc: 24.05 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:00
Operator : AR\AJ
Sample : P5306-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-VSL-11-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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	99581609	61185534	38.316	21.215	#
28)	SA Decachlor...	9.053	7.910	38154363	59624806	21.946	20.874	
	Target Compounds							
2)	A alpha-BHC	0.000	3.268	0	455448	N.D.	0.107	#
3)	MA gamma-BHC...	0.000	3.586f	0	9088	N.D.	0.002	#
4)	MA Heptachlor	0.000	3.946	0	835284	N.D.	0.206	#
6)	B beta-BHC	0.000	3.914	0	1055546	N.D.	0.593	#
7)	B delta-BHC	0.000	4.127	0	529839	N.D.	0.124	#
8)	B Heptachlo...	0.000	4.708f	0	1249937	N.D.	0.343	#
9)	A Endosulfan I	0.000	5.082	0	169591	N.D.	0.051	#
10)	B gamma-Chl...	0.000	4.993f	0	2092346	N.D.	0.565	#
11)	B alpha-Chl...	0.000	5.058f	0	403007	N.D.	0.111	#
12)	B 4,4'-DDE	0.000	5.218	0	29162	N.D.	0.008	#
13)	MA Dieldrin	0.000	5.380f	0	183189	N.D.	0.050	#
14)	MA Endrin	0.000	5.639	0	1995095	N.D.	0.626	#
17)	MA 4,4'-DDT	0.000	6.038	0	1282293	N.D.	0.433	#
21)	B Endrin ke...	7.662f	6.818f	3238894	1919435	1.427	0.572	#
22)	Mirex	0.000	6.998f	0	1151366	N.D.	0.429	#
23)	Chlordane-1	0.000	3.787	0	2605249	N.D.	22.415	#
24)	Chlordane-2	0.000	4.324f	0	1236662	N.D.	9.229	#
25)	Chlordane-3	0.000	4.993	0	2092346	N.D.	5.207	#
26)	Chlordane-4	0.000	5.058	0	403007	N.D.	1.033	#

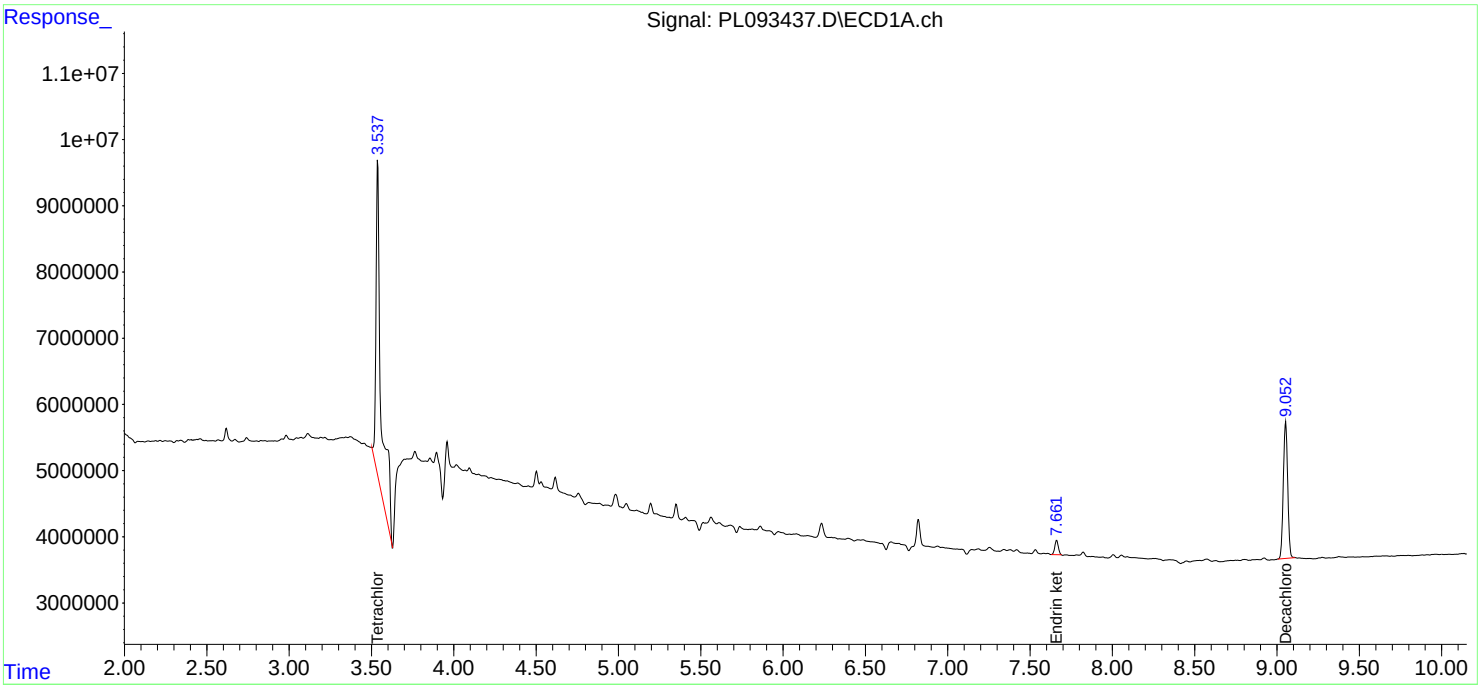
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

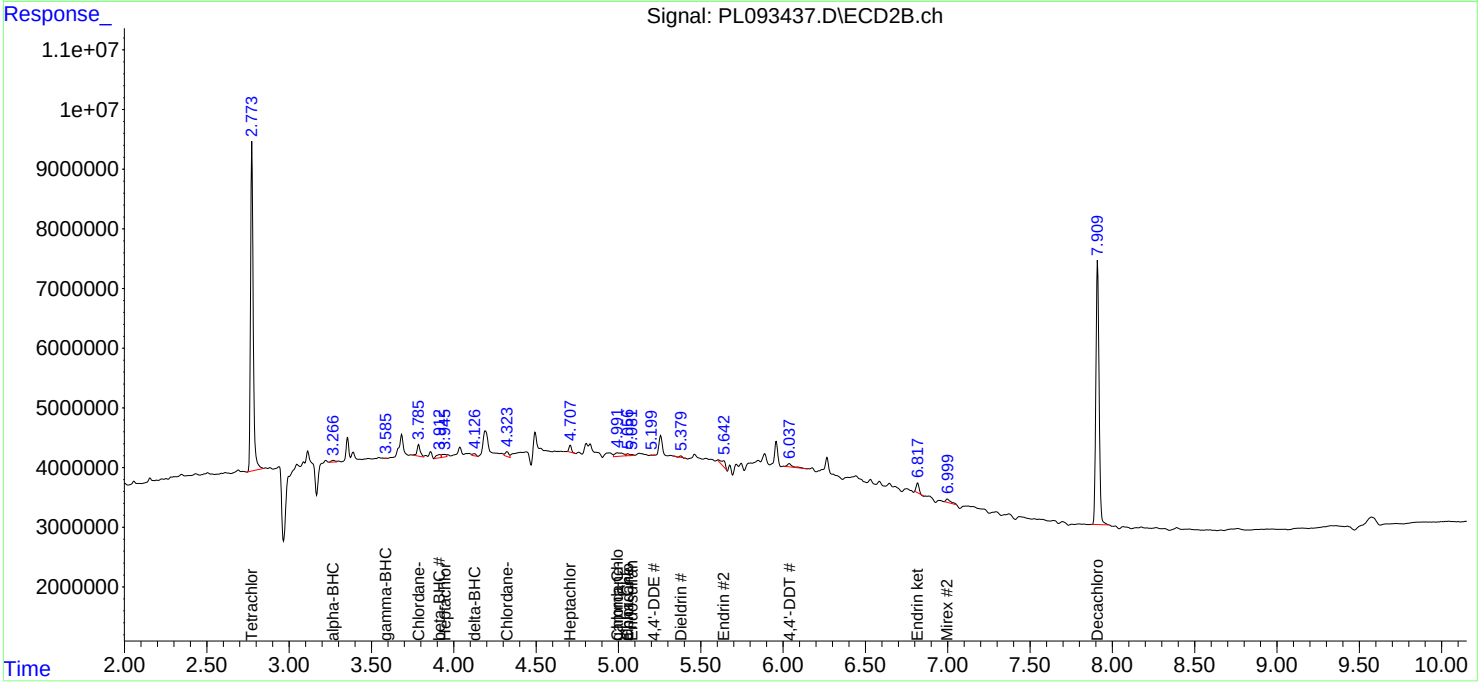
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:00
Operator : AR\AJ
Sample : P5306-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

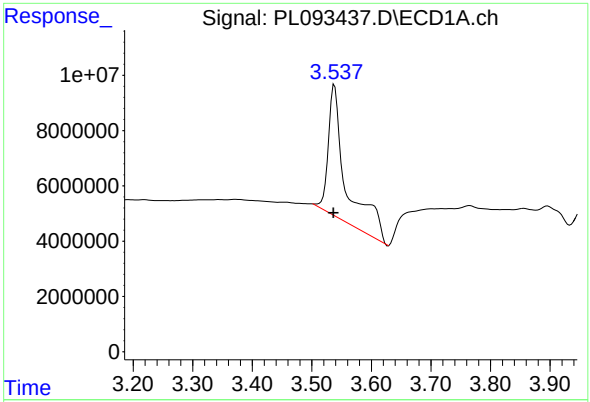
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:51:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



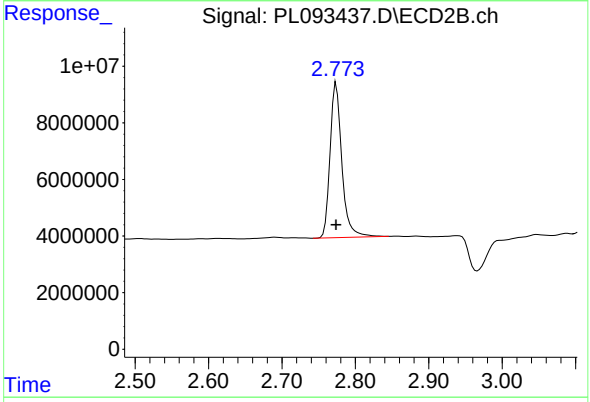




#1 Tetrachloro-m-xylene

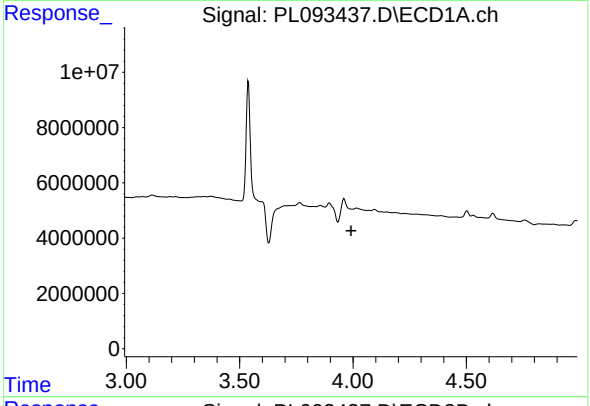
R.T.: 3.538 min
Delta R.T.: 0.002 min
Response: 99581609
Conc: 38.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



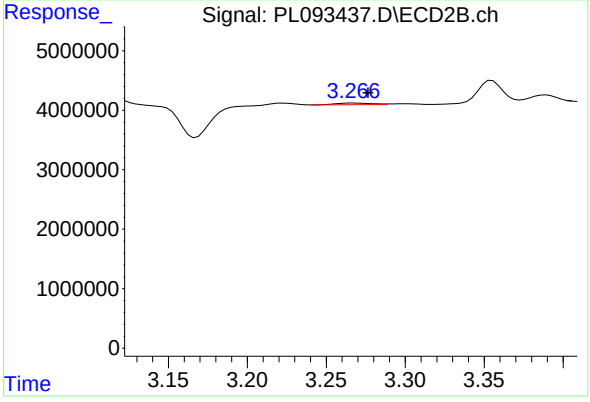
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 61185534
Conc: 21.22 ng/ml



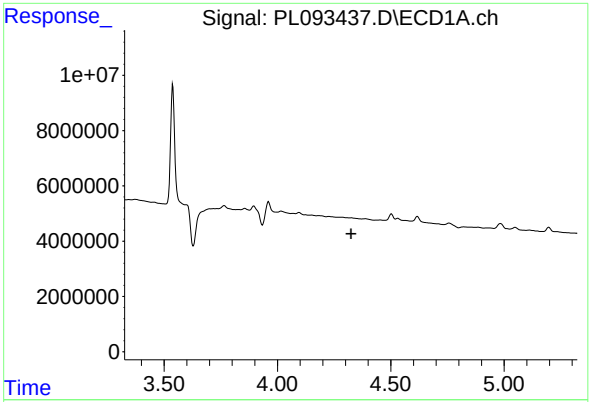
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

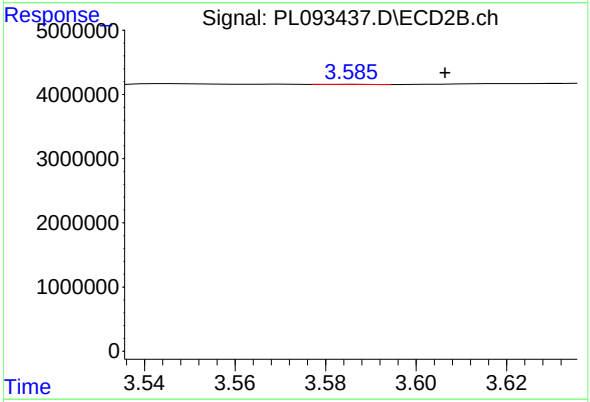
R.T.: 3.268 min
Delta R.T.: -0.009 min
Response: 455448
Conc: 0.11 ng/ml



#3 gamma-BHC (Lindane)

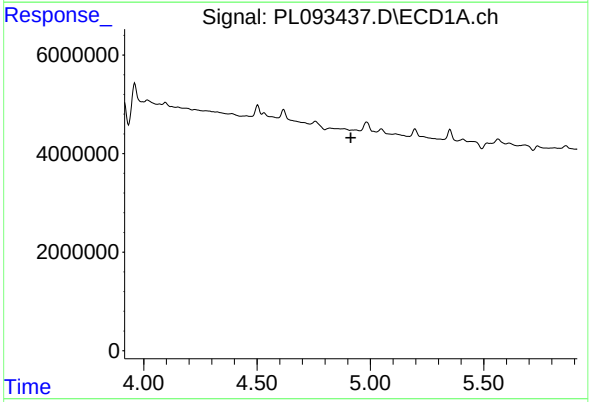
R.T.: 0.000 min
Exp R.T. : 4.325 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



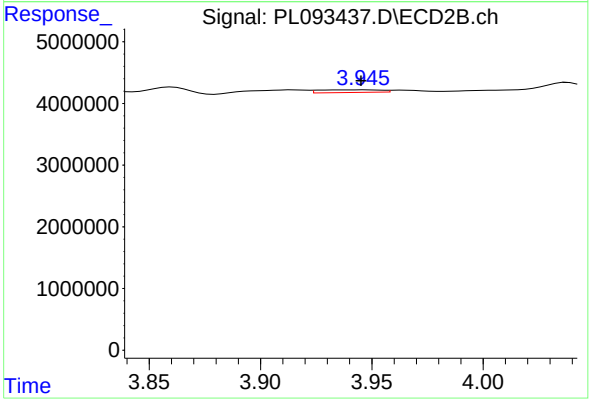
#3 gamma-BHC (Lindane)

R.T.: 3.586 min
Delta R.T.: -0.020 min
Response: 9088
Conc: 0.00 ng/ml



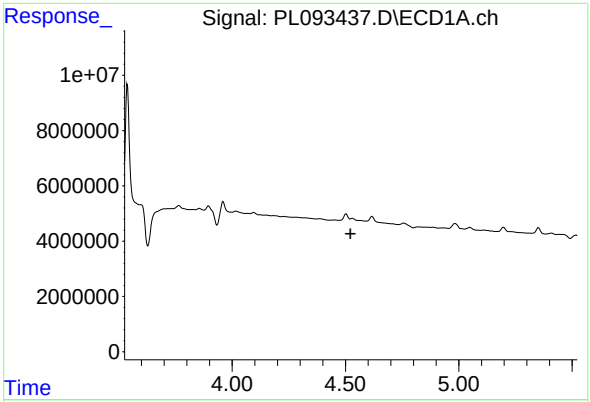
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.



#4 Heptachlor

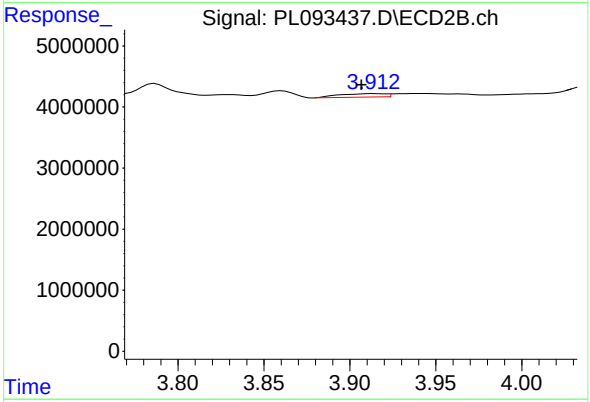
R.T.: 3.946 min
Delta R.T.: 0.001 min
Response: 835284
Conc: 0.21 ng/ml



#6 beta-BHC

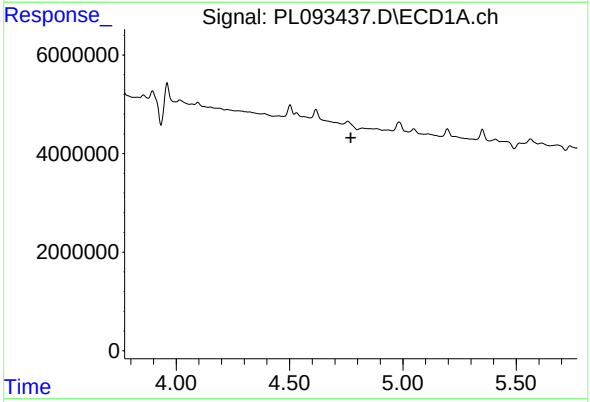
R.T.: 0.000 min
Exp R.T. : 4.523 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



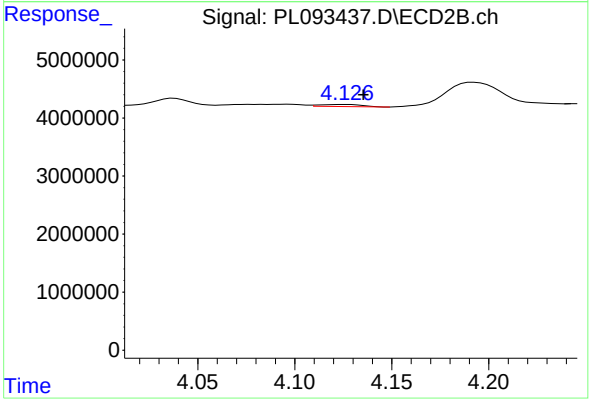
#6 beta-BHC

R.T.: 3.914 min
Delta R.T.: 0.007 min
Response: 1055546
Conc: 0.59 ng/ml



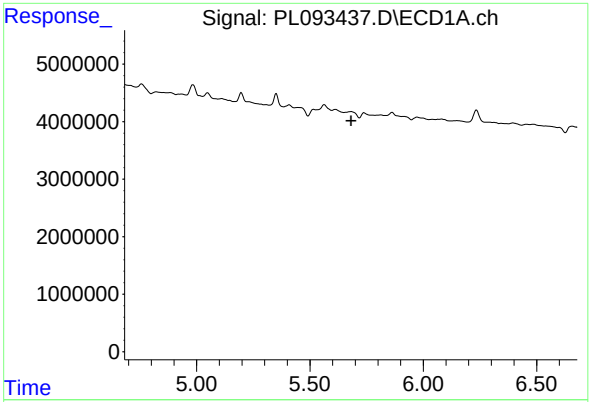
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

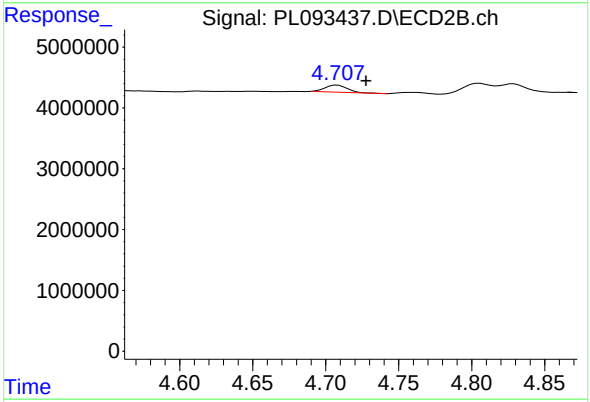
R.T.: 4.127 min
Delta R.T.: -0.008 min
Response: 529839
Conc: 0.12 ng/ml



#8 Heptachlor epoxide

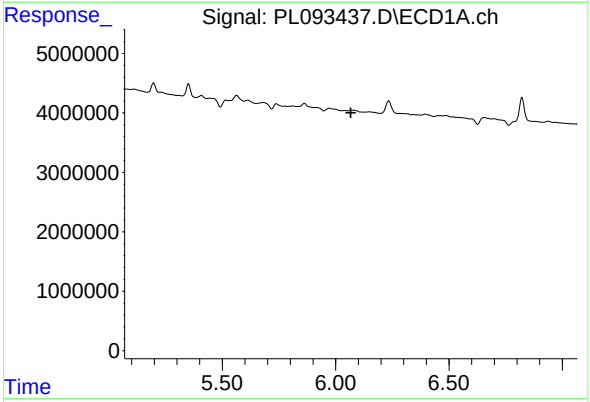
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



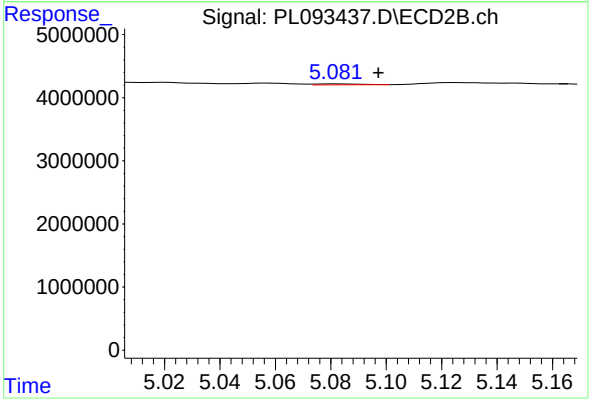
#8 Heptachlor epoxide

R.T.: 4.708 min
Delta R.T.: -0.020 min
Response: 1249937
Conc: 0.34 ng/ml



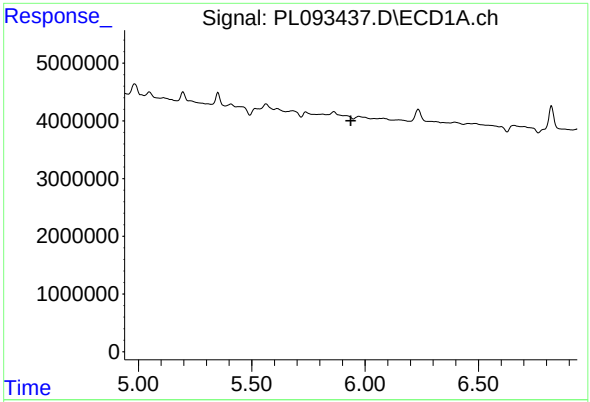
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

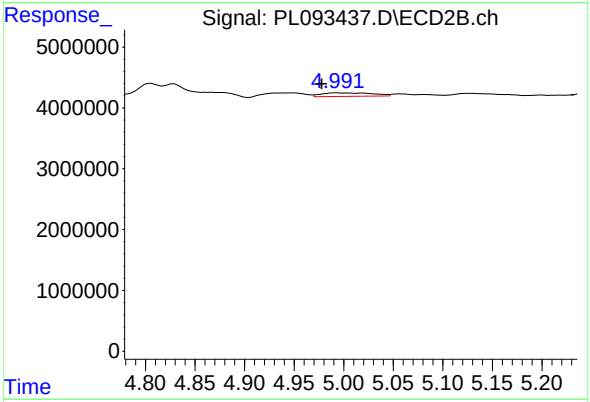
R.T.: 5.082 min
Delta R.T.: -0.015 min
Response: 169591
Conc: 0.05 ng/ml



#10 gamma-Chlordane

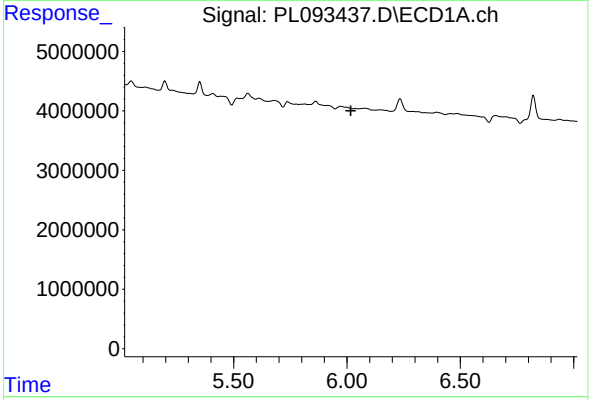
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



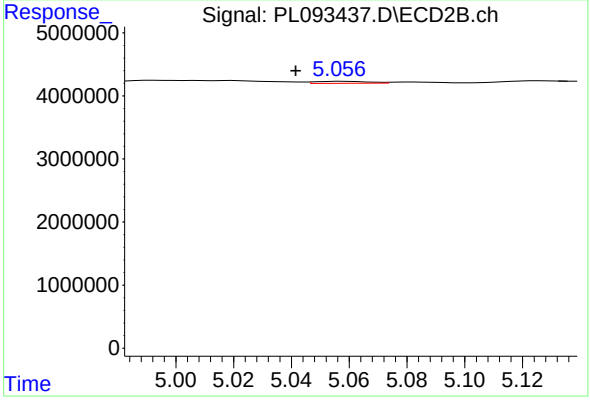
#10 gamma-Chlordane

R.T.: 4.993 min
Delta R.T.: 0.015 min
Response: 2092346
Conc: 0.56 ng/ml



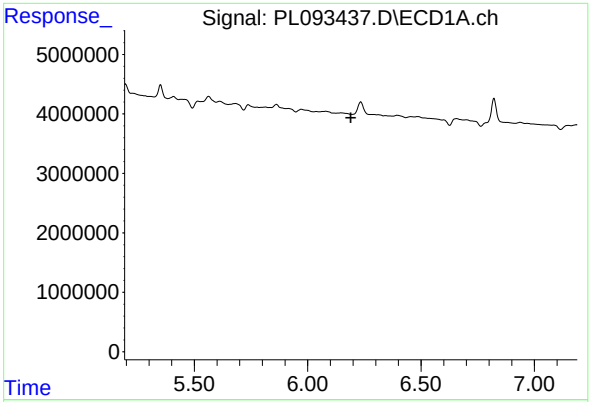
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

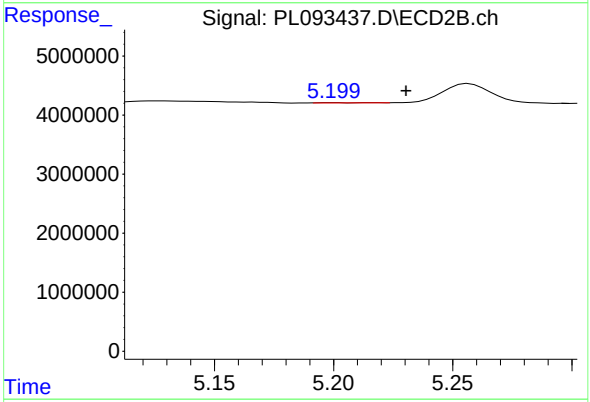
R.T.: 5.058 min
Delta R.T.: 0.016 min
Response: 403007
Conc: 0.11 ng/ml



#12 4,4'-DDE

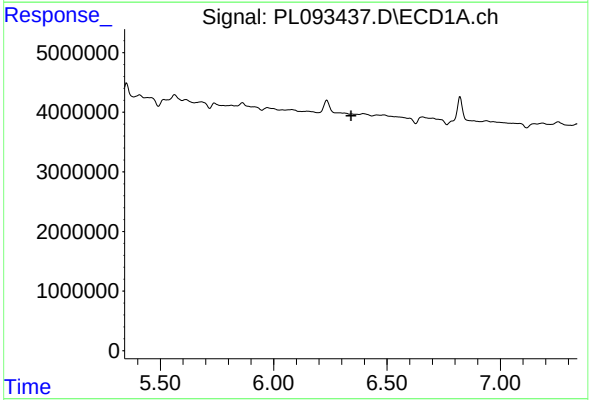
R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



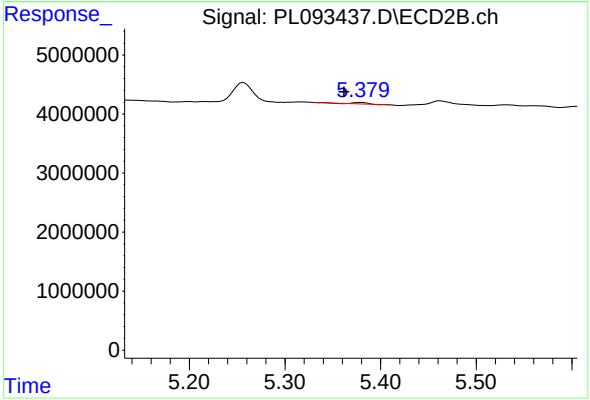
#12 4,4'-DDE

R.T.: 5.218 min
Delta R.T.: -0.013 min
Response: 29162
Conc: 0.01 ng/ml



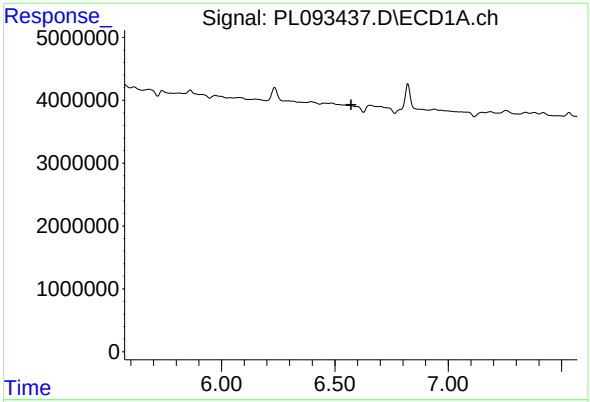
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.



#13 Dieldrin

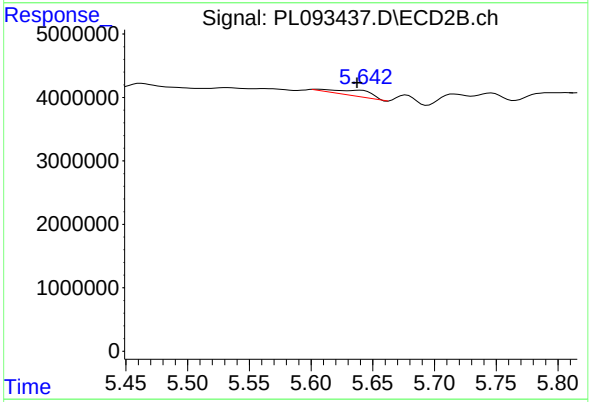
R.T.: 5.380 min
Delta R.T.: 0.018 min
Response: 183189
Conc: 0.05 ng/ml



#14 Endrin

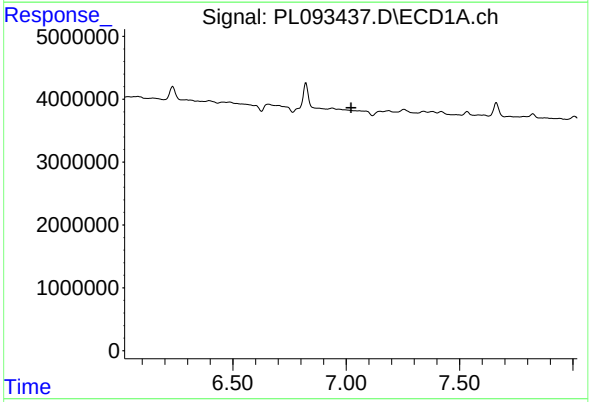
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



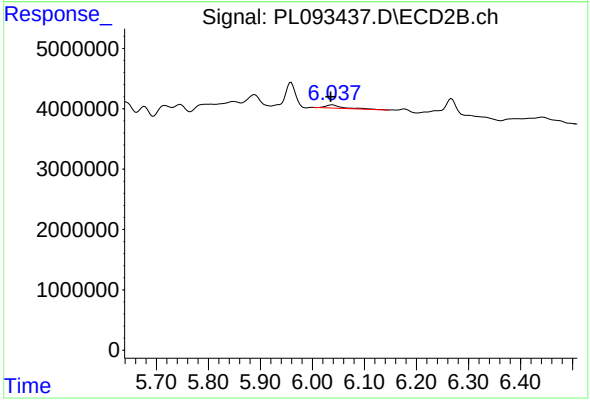
#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 1995095
Conc: 0.63 ng/ml



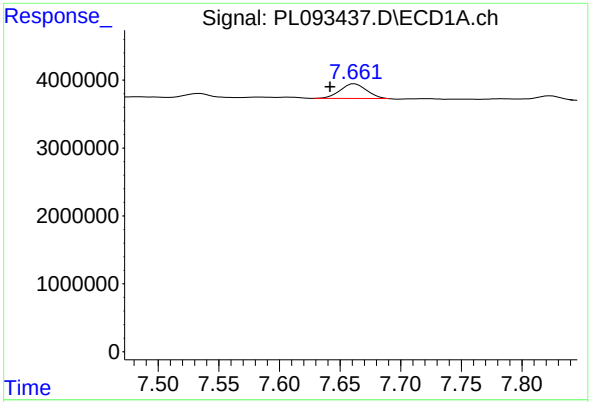
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

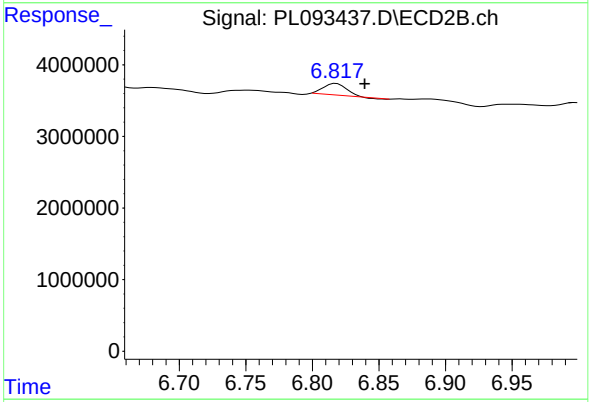
R.T.: 6.038 min
Delta R.T.: 0.003 min
Response: 1282293
Conc: 0.43 ng/ml



#21 Endrin ketone

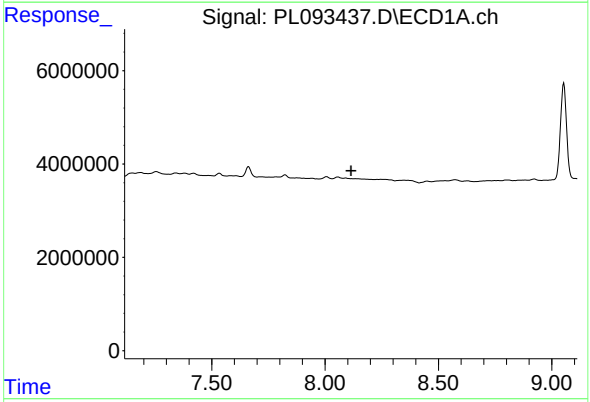
R.T.: 7.662 min
Delta R.T.: 0.021 min
Response: 3238894
Conc: 1.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



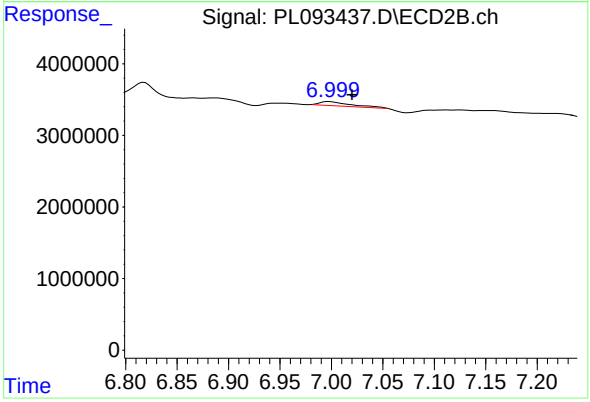
#21 Endrin ketone

R.T.: 6.818 min
Delta R.T.: -0.021 min
Response: 1919435
Conc: 0.57 ng/ml



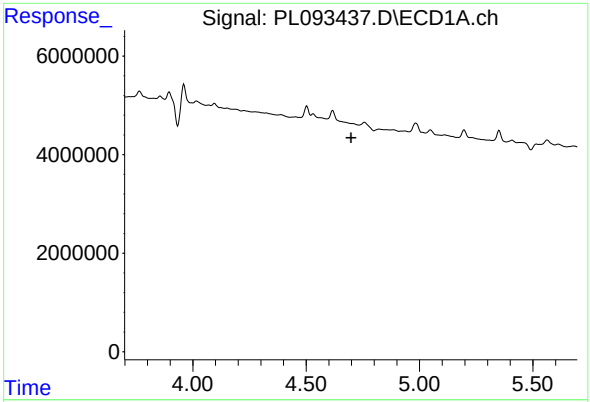
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

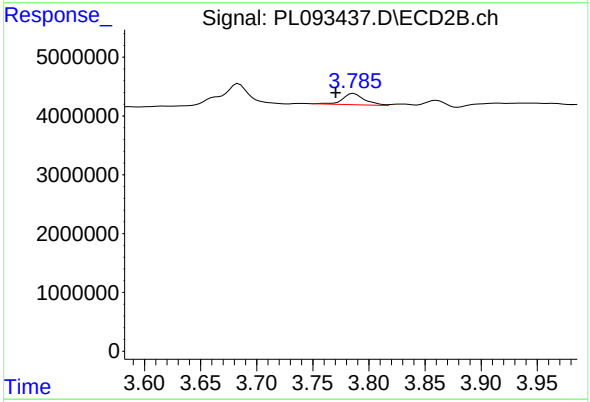
R.T.: 6.998 min
Delta R.T.: -0.022 min
Response: 1151366
Conc: 0.43 ng/ml



#23 Chlordane-1

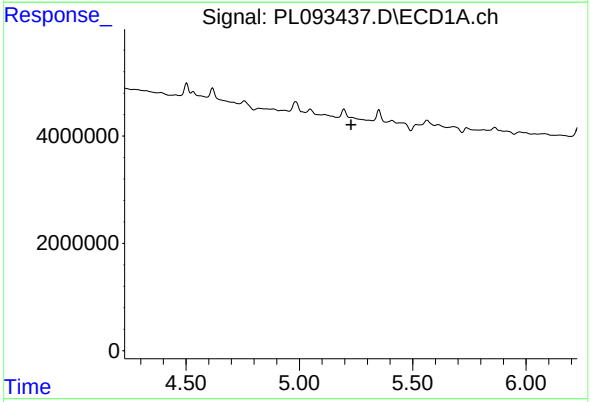
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



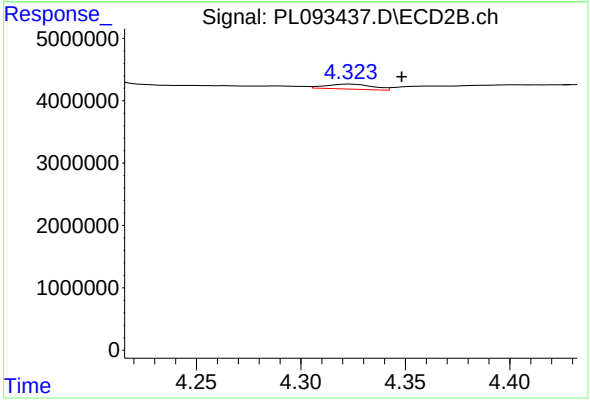
#23 Chlordane-1

R.T.: 3.787 min
Delta R.T.: 0.016 min
Response: 2605249
Conc: 22.41 ng/ml



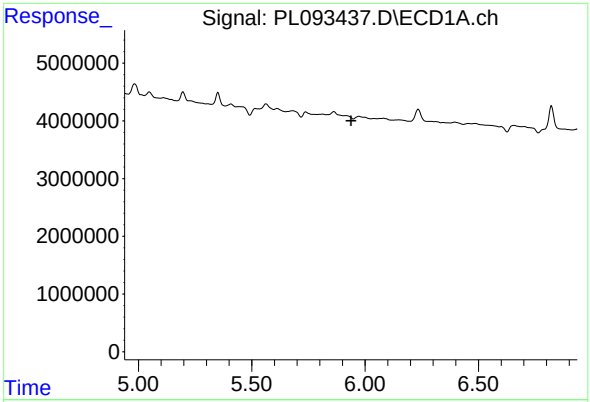
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.



#24 Chlordane-2

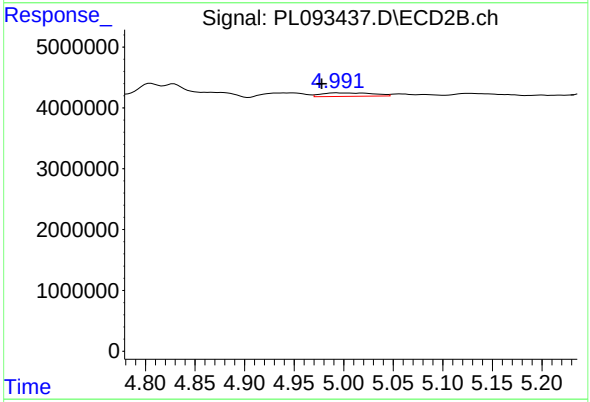
R.T.: 4.324 min
Delta R.T.: -0.024 min
Response: 1236662
Conc: 9.23 ng/ml



#25 Chlordane-3

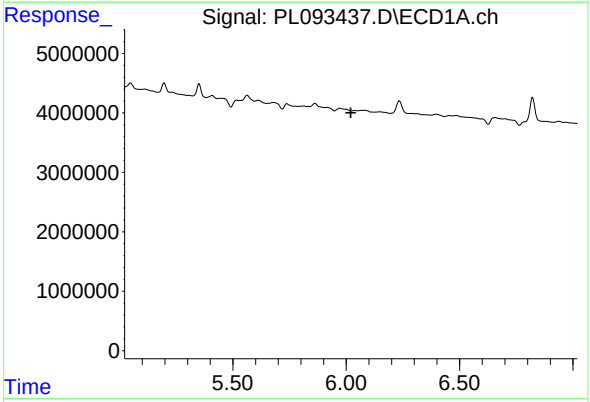
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



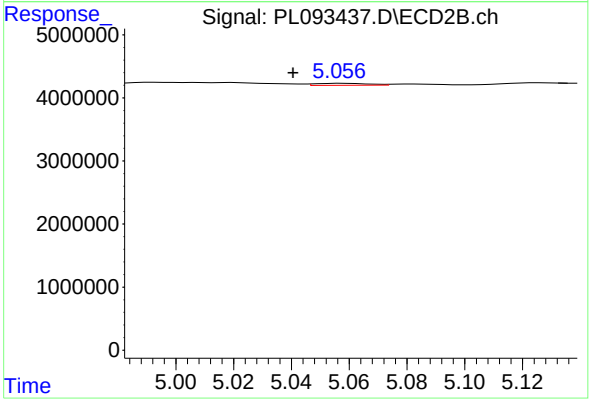
#25 Chlordane-3

R.T.: 4.993 min
Delta R.T.: 0.015 min
Response: 2092346
Conc: 5.21 ng/ml



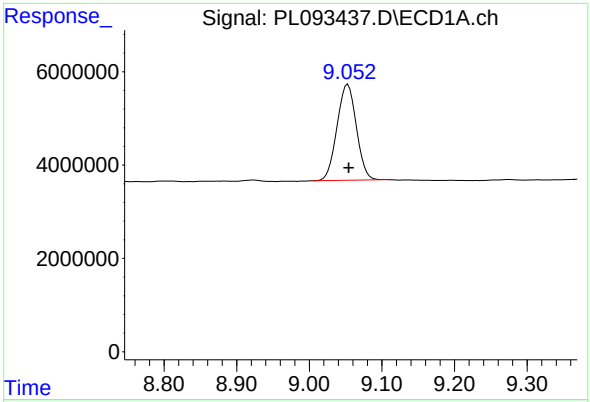
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.



#26 Chlordane-4

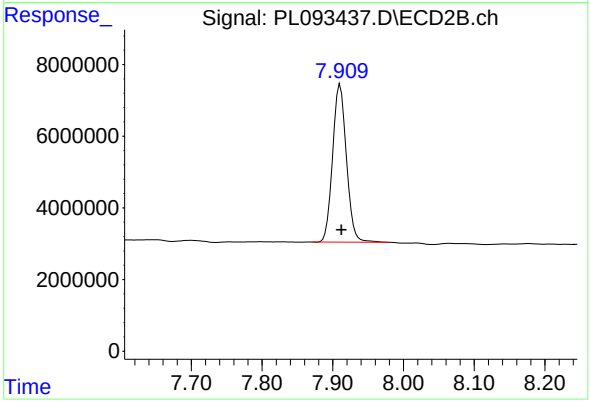
R.T.: 5.058 min
Delta R.T.: 0.017 min
Response: 403007
Conc: 1.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 38154363
Conc: 21.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-11-121224



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 59624806
Conc: 20.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:27
Operator : AR\AJ
Sample : P5306-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.774	101.4E6	60885011	39.029	21.111	#
28)	SA Decachlor...	9.051	7.910	34874189	54919135	20.059	19.226	
	Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	377110	N.D.	0.088	#
4)	MA Heptachlor	0.000	3.953	0	876296	N.D.	0.217	#
5)	MB Aldrin	0.000	4.249f	0	197138	N.D.	0.050	#
6)	B beta-BHC	0.000	3.912	0	1172824	N.D.	0.659	#
8)	B Heptachlo...	0.000	4.708f	0	2879935	N.D.	0.791	#
9)	A Endosulfan I	0.000	5.126f	0	148412	N.D.	0.044	#
10)	B gamma-Chl...	0.000	4.991	0	1750937	N.D.	0.473	#
11)	B alpha-Chl...	0.000	5.061f	0	1725977	N.D.	0.475	#
12)	B 4,4'-DDE	0.000	5.256f	0	1594635	N.D.	0.445	#
13)	MA Dieldrin	0.000	5.369	0	593095	N.D.	0.161	#
14)	MA Endrin	0.000	5.638	0	1503749	N.D.	0.472	#
15)	B Endosulfa...	6.820f	5.959f	15776922	3486106	7.235	1.100	#
17)	MA 4,4'-DDT	0.000	6.036	0	1818922	N.D.	0.614	#
21)	B Endrin ke...	7.660f	6.817f	4513393	664582	1.989	0.198	#
22)	Mirex	0.000	7.000f	0	1082702	N.D.	0.403	#
23)	Chlordane-1	0.000	3.786	0	9433801	N.D.	81.166	#
24)	Chlordane-2	0.000	4.324f	0	1372324	N.D.	10.242	#
25)	Chlordane-3	0.000	4.991	0	1750937	N.D.	4.358	#
26)	Chlordane-4	0.000	5.061f	0	1725977	N.D.	4.425	#
27)	Chlordane-5	0.000	5.959f	0	3486106	N.D.	25.441	#

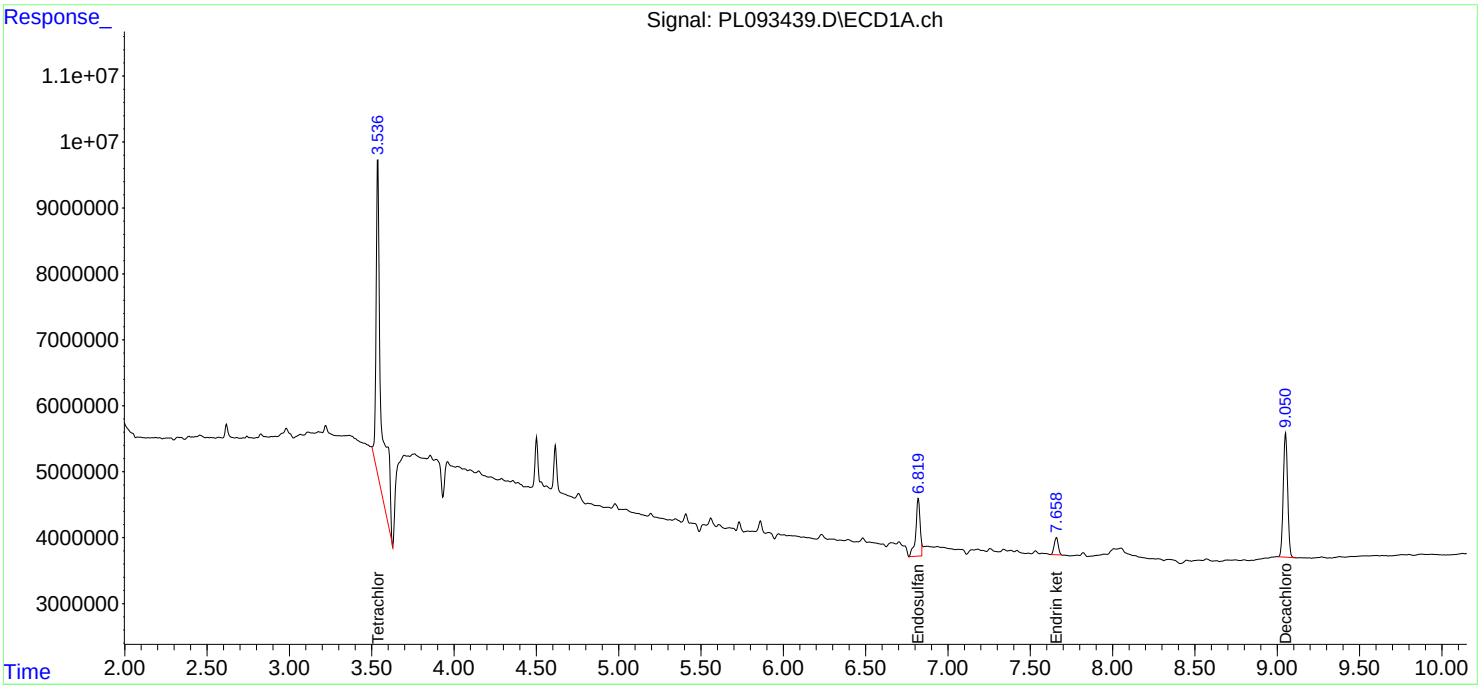
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

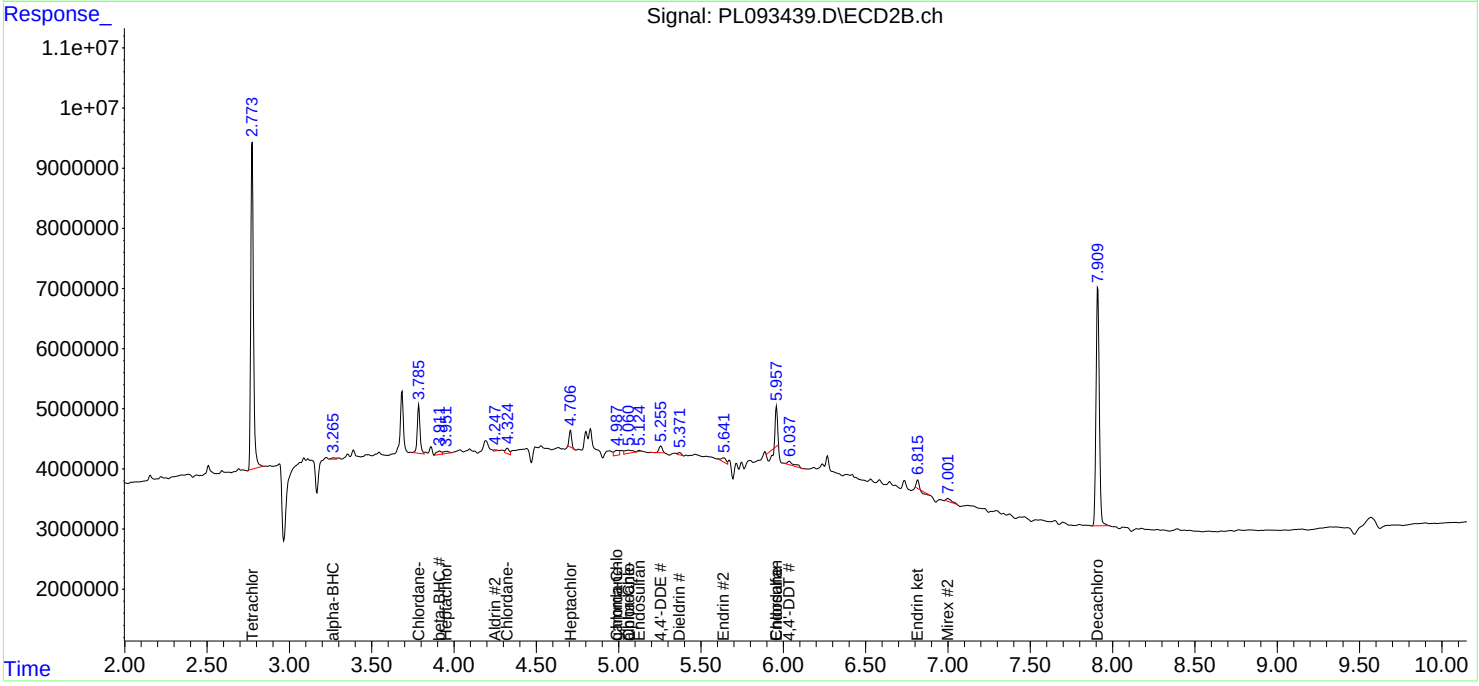
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:27
Operator : AR\AJ
Sample : P5306-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

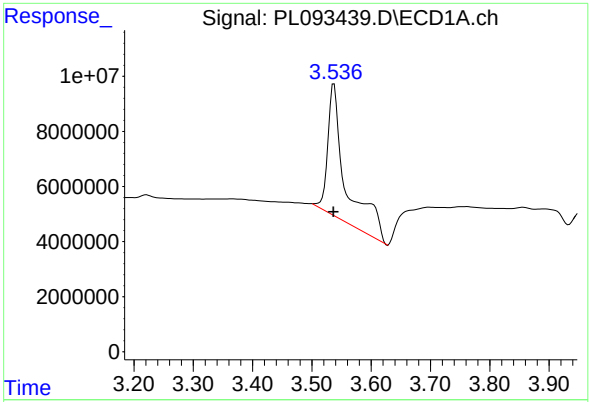
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



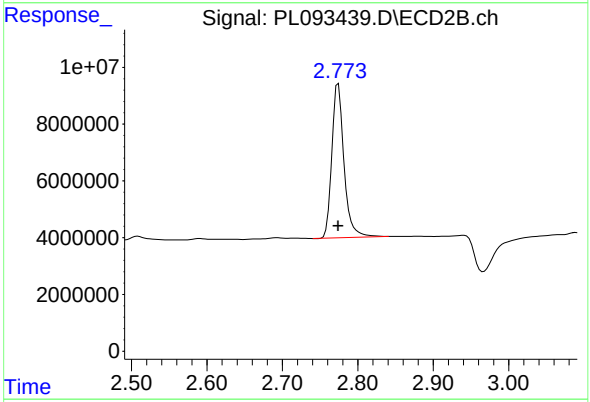




#1 Tetrachloro-m-xylene

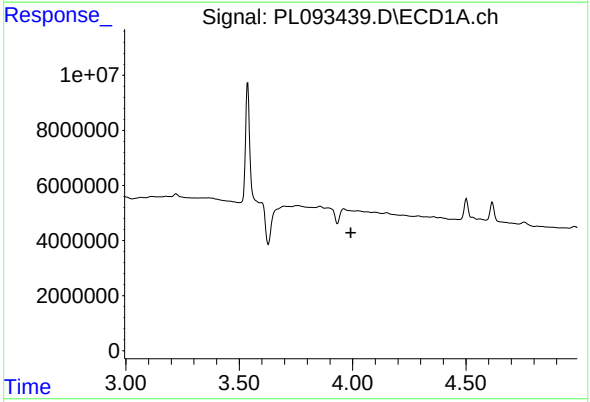
R.T.: 3.537 min
Delta R.T.: 0.001 min
Response: 101434078
Conc: 39.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



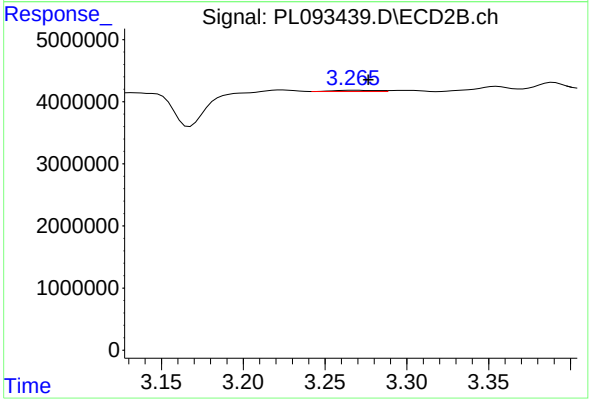
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60885011
Conc: 21.11 ng/ml



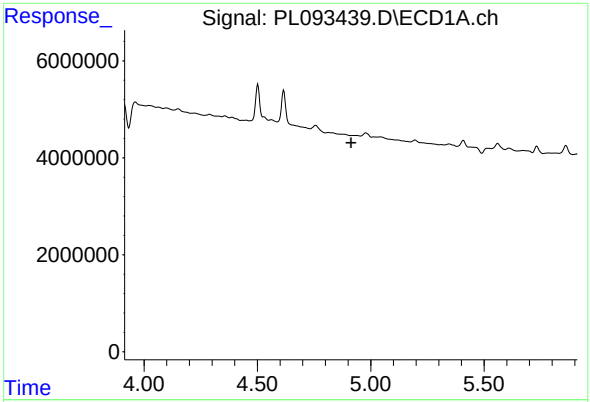
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

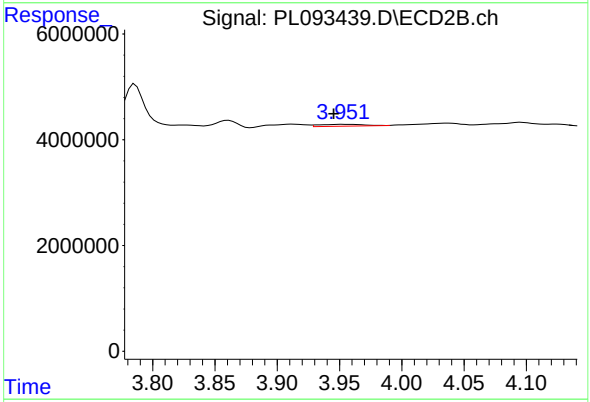
R.T.: 3.267 min
Delta R.T.: -0.009 min
Response: 377110
Conc: 0.09 ng/ml



#4 Heptachlor

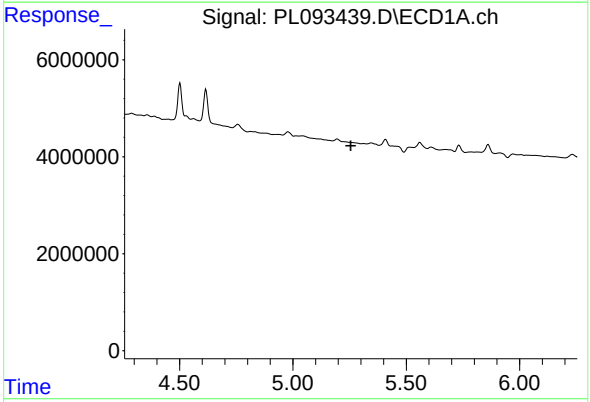
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



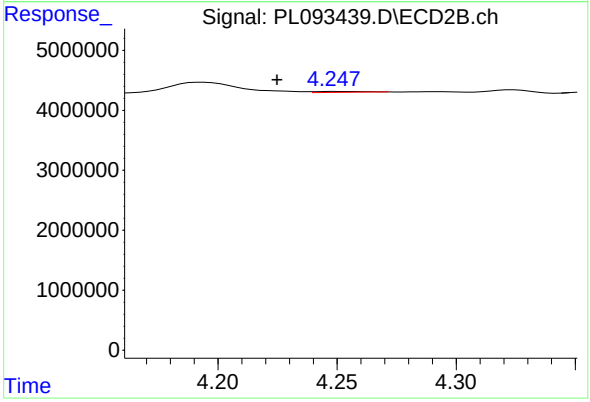
#4 Heptachlor

R.T.: 3.953 min
Delta R.T.: 0.008 min
Response: 876296
Conc: 0.22 ng/ml



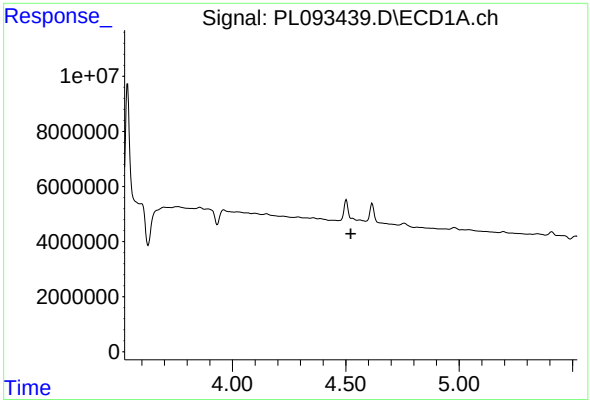
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

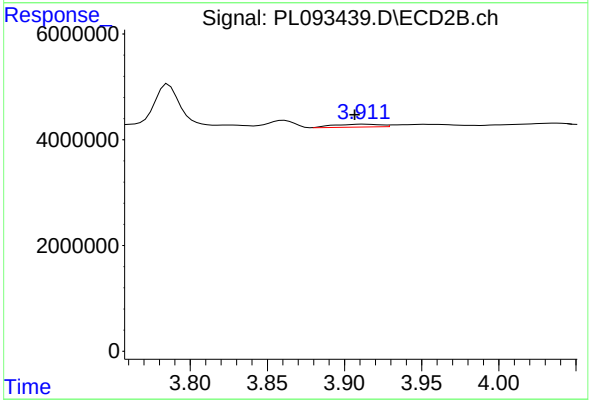
R.T.: 4.249 min
Delta R.T.: 0.024 min
Response: 197138
Conc: 0.05 ng/ml



#6 beta-BHC

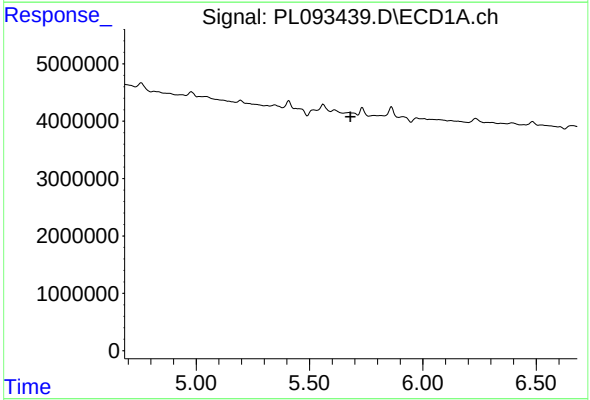
R.T.: 0.000 min
Exp R.T. : 4.523 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



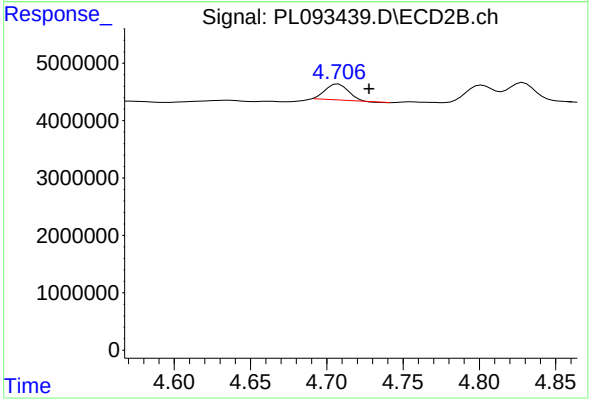
#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.005 min
Response: 1172824
Conc: 0.66 ng/ml



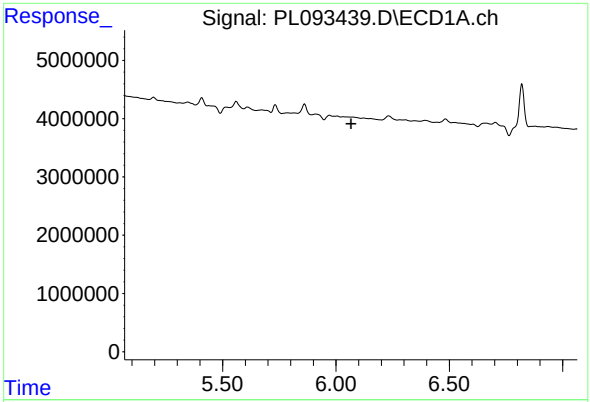
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

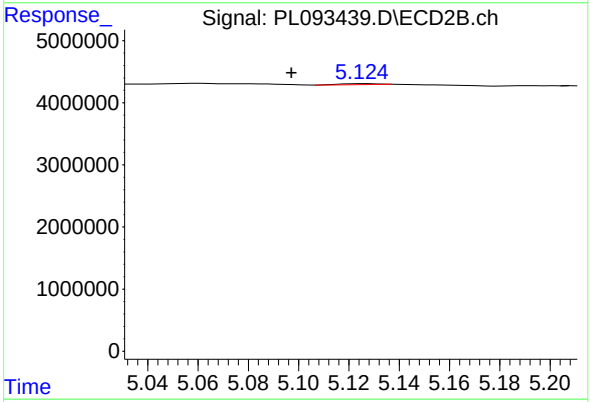
R.T.: 4.708 min
Delta R.T.: -0.020 min
Response: 2879935
Conc: 0.79 ng/ml



#9 Endosulfan I

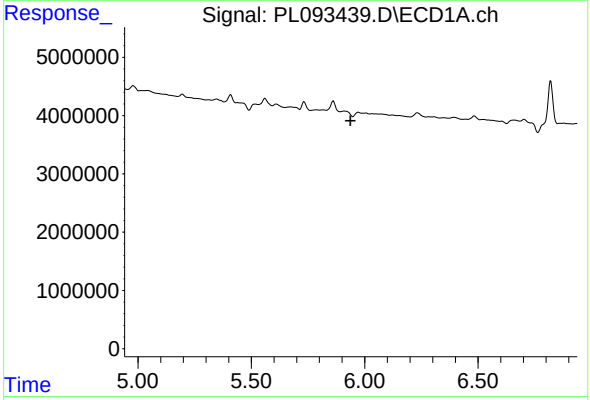
R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



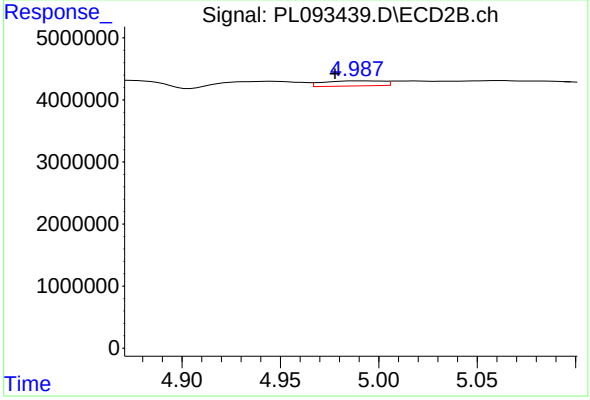
#9 Endosulfan I

R.T.: 5.126 min
Delta R.T.: 0.029 min
Response: 148412
Conc: 0.04 ng/ml



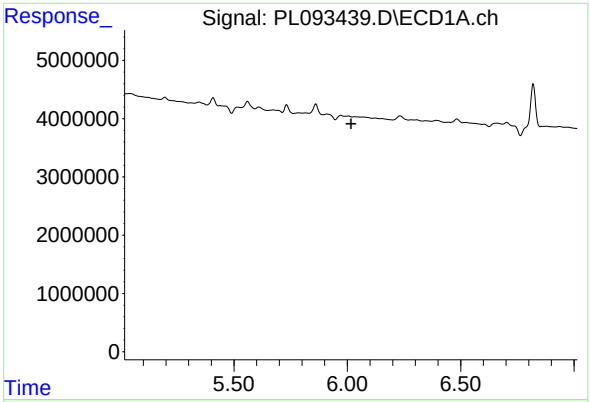
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

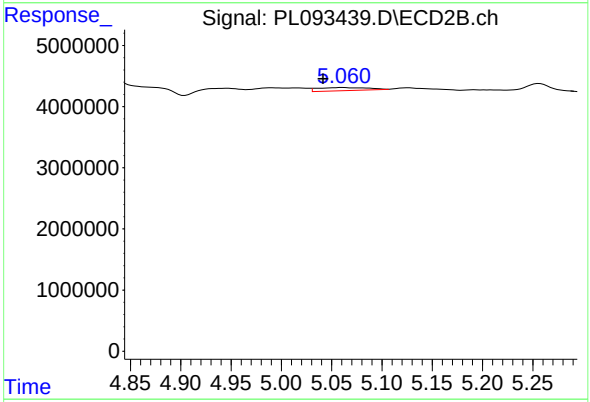
R.T.: 4.991 min
Delta R.T.: 0.013 min
Response: 1750937
Conc: 0.47 ng/ml



#11 alpha-Chlordane

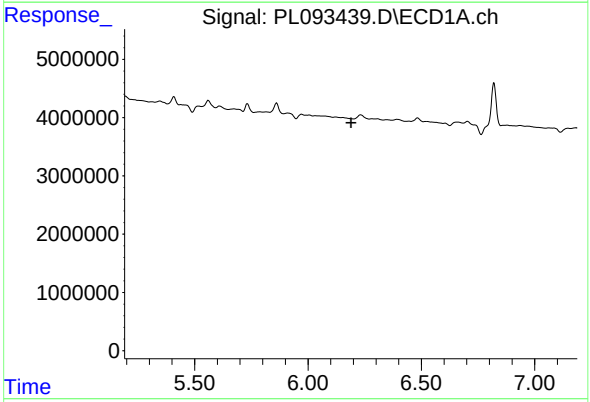
R.T.: 0.000 min
Exp R.T. : 6.016 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



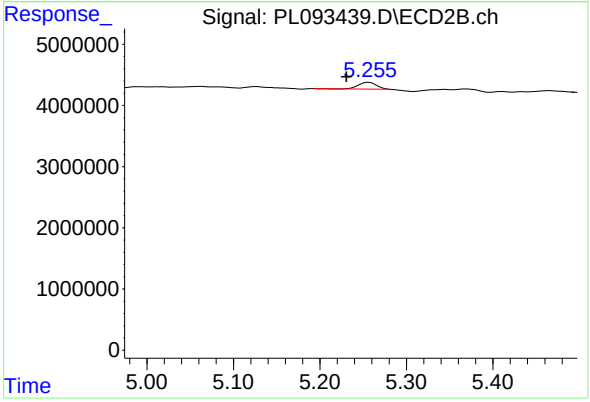
#11 alpha-Chlordane

R.T.: 5.061 min
Delta R.T.: 0.020 min
Response: 1725977
Conc: 0.48 ng/ml



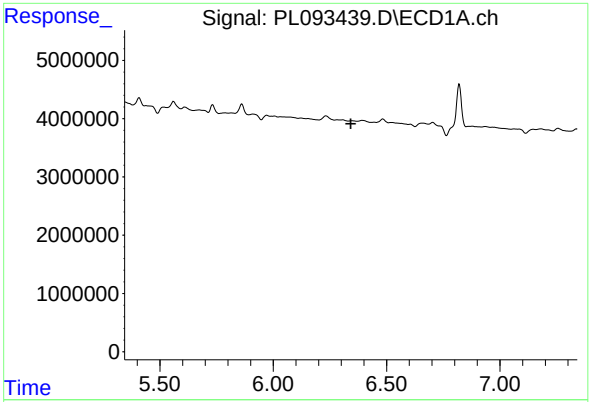
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

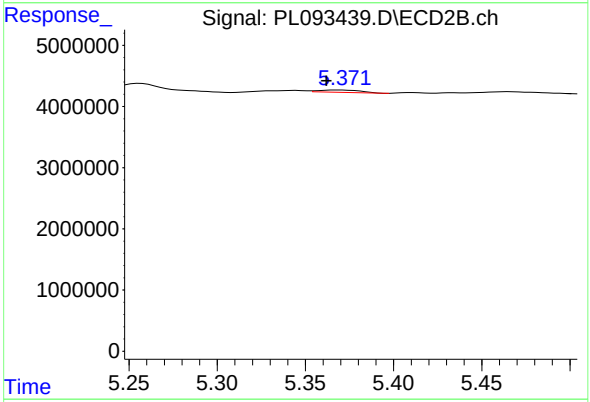
R.T.: 5.256 min
Delta R.T.: 0.026 min
Response: 1594635
Conc: 0.45 ng/ml



#13 Dieldrin

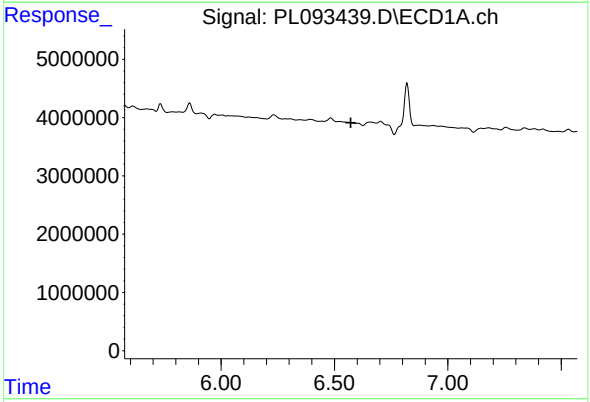
R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



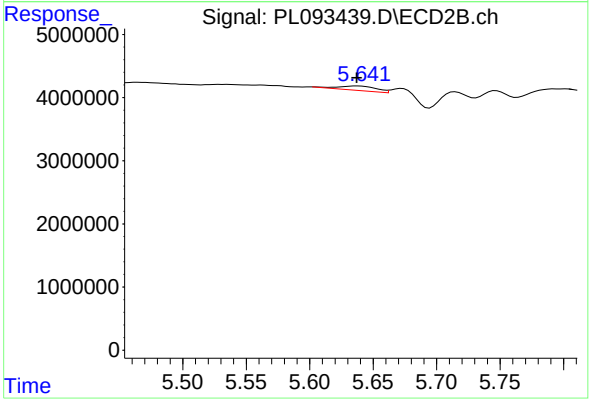
#13 Dieldrin

R.T.: 5.369 min
Delta R.T.: 0.007 min
Response: 593095
Conc: 0.16 ng/ml



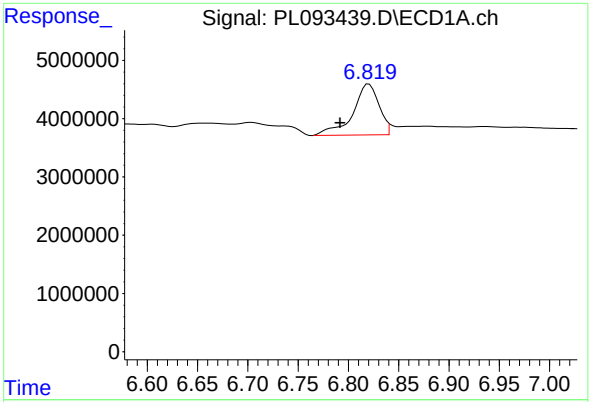
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

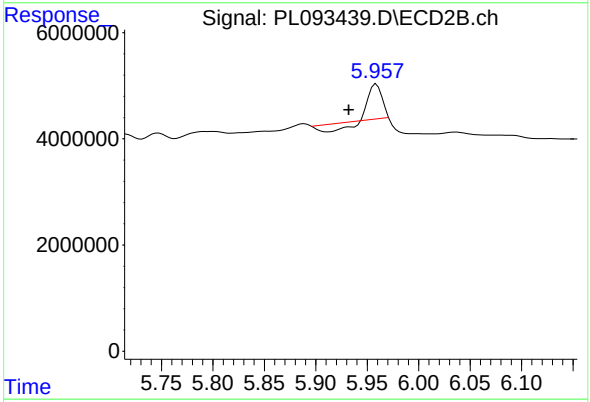
R.T.: 5.638 min
Delta R.T.: 0.000 min
Response: 1503749
Conc: 0.47 ng/ml



#15 Endosulfan II

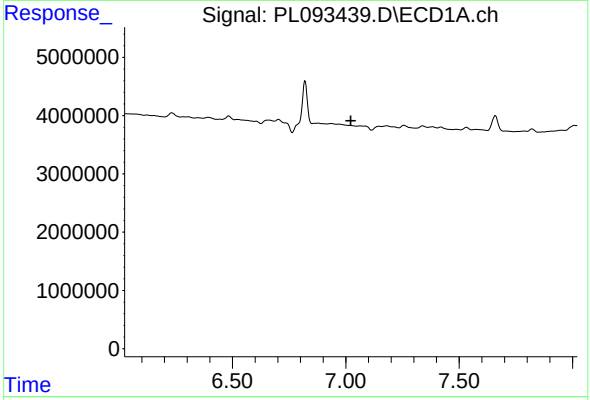
R.T.: 6.820 min
Delta R.T.: 0.029 min
Response: 15776922
Conc: 7.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



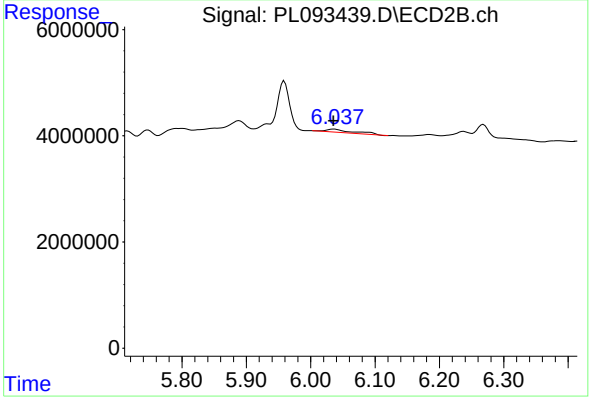
#15 Endosulfan II

R.T.: 5.959 min
Delta R.T.: 0.027 min
Response: 3486106
Conc: 1.10 ng/ml



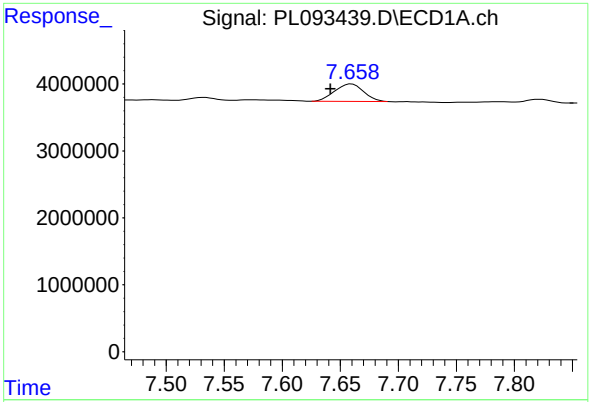
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

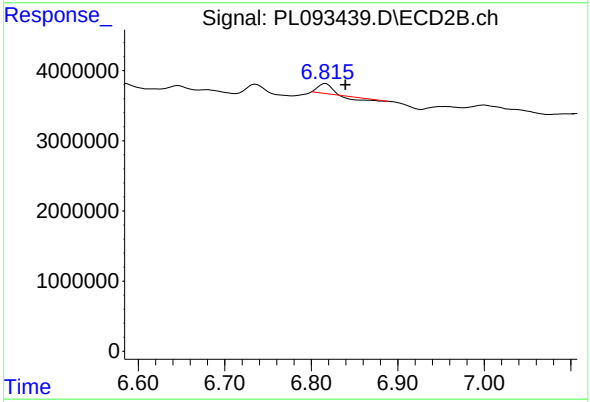
R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 1818922
Conc: 0.61 ng/ml



#21 Endrin ketone

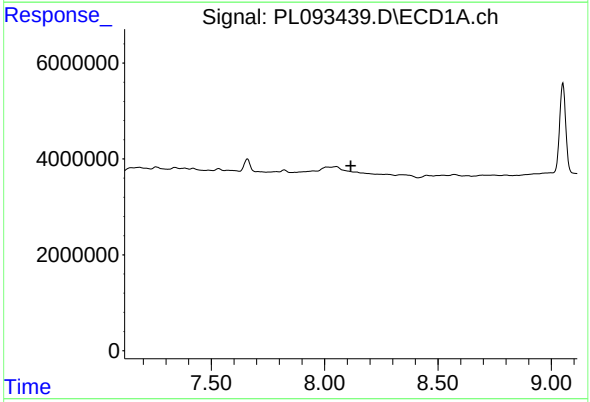
R.T.: 7.660 min
Delta R.T.: 0.018 min
Response: 4513393
Conc: 1.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



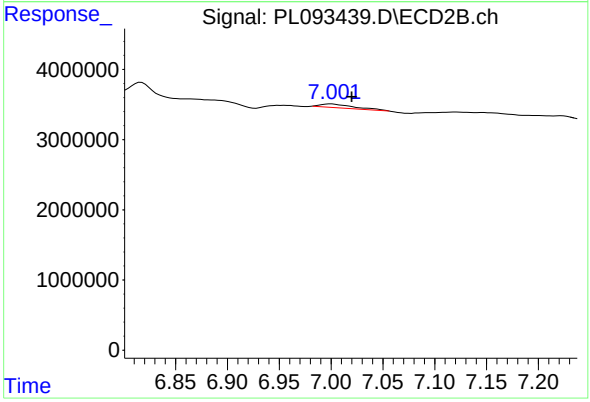
#21 Endrin ketone

R.T.: 6.817 min
Delta R.T.: -0.023 min
Response: 664582
Conc: 0.20 ng/ml



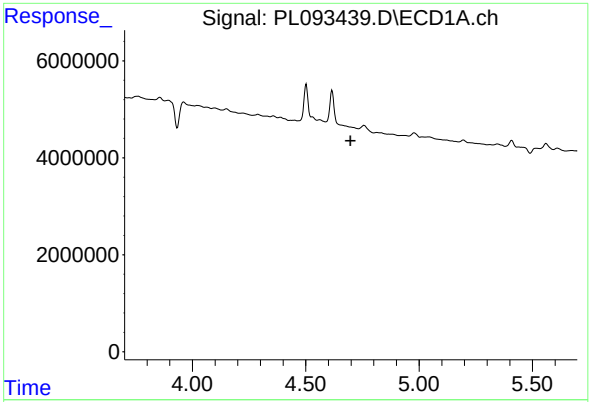
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

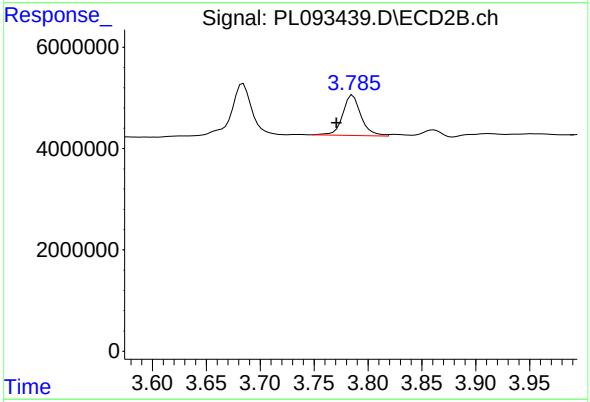
R.T.: 7.000 min
Delta R.T.: -0.020 min
Response: 1082702
Conc: 0.40 ng/ml



#23 Chlordane-1

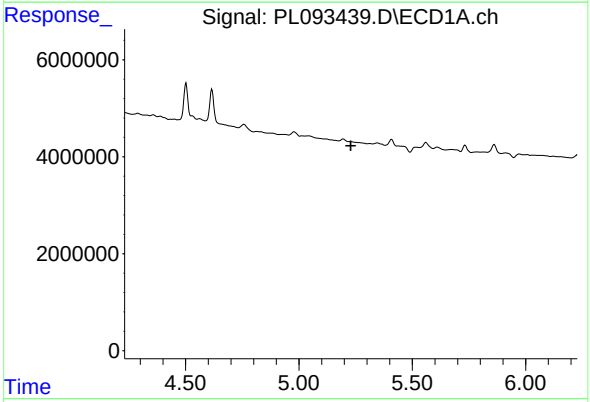
R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



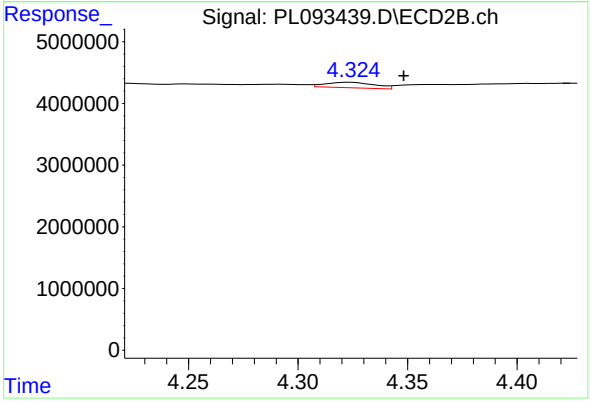
#23 Chlordane-1

R.T.: 3.786 min
Delta R.T.: 0.015 min
Response: 9433801
Conc: 81.17 ng/ml



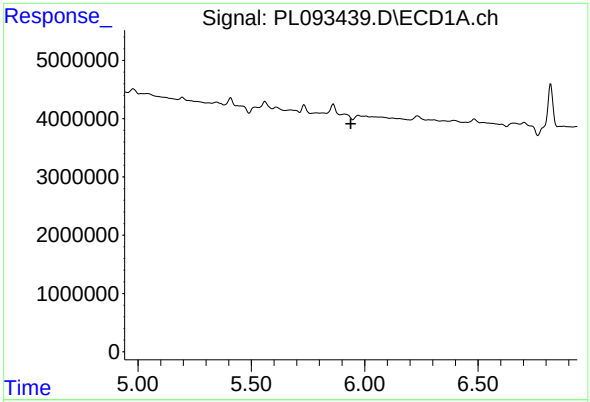
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.



#24 Chlordane-2

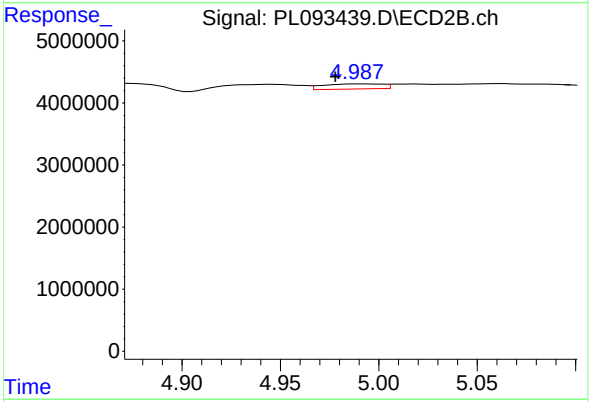
R.T.: 4.324 min
Delta R.T.: -0.024 min
Response: 1372324
Conc: 10.24 ng/ml



#25 Chlordane-3

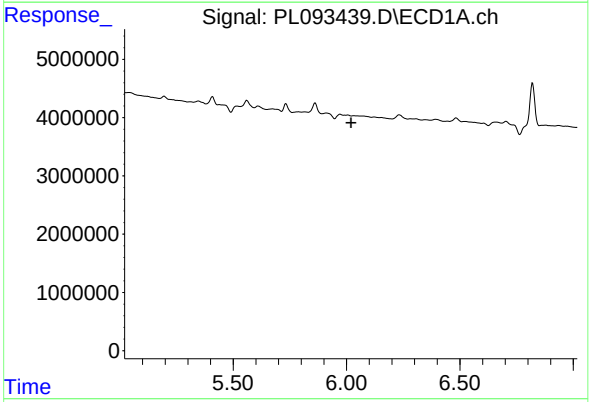
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



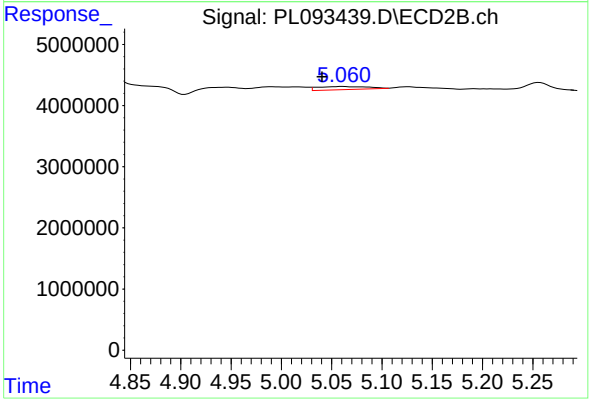
#25 Chlordane-3

R.T.: 4.991 min
Delta R.T.: 0.013 min
Response: 1750937
Conc: 4.36 ng/ml



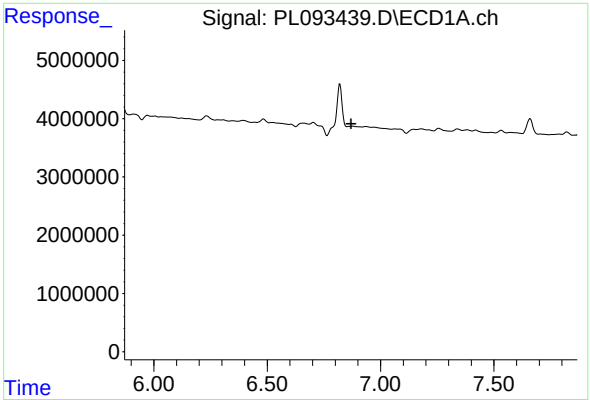
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.



#26 Chlordane-4

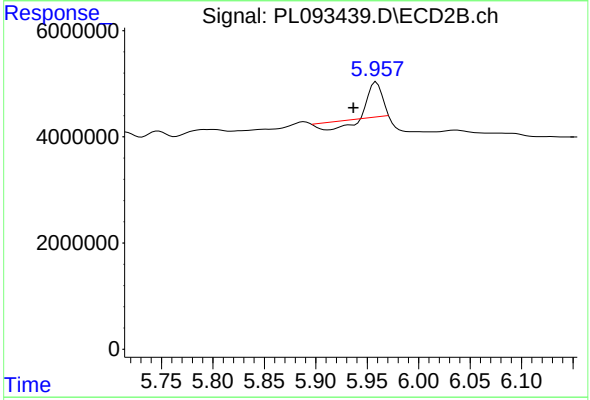
R.T.: 5.061 min
Delta R.T.: 0.021 min
Response: 1725977
Conc: 4.43 ng/ml



#27 Chlordane-5

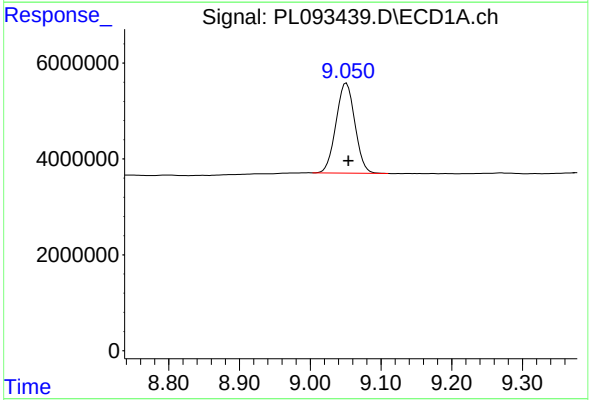
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-13-121224



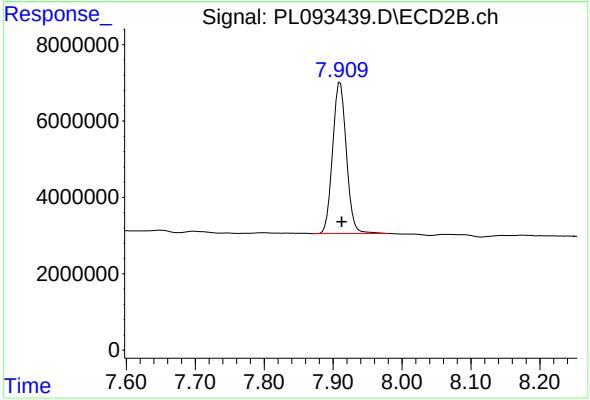
#27 Chlordane-5

R.T.: 5.959 min
Delta R.T.: 0.022 min
Response: 3486106
Conc: 25.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 34874189
Conc: 20.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 54919135
Conc: 19.23 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:40
Operator : AR\AJ
Sample : P5306-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.774	96695953	58349924	37.206	20.232	#
28)	SA Decachlor...	9.051	7.910	36476172	57143090	20.981	20.005	
	Target Compounds							
2)	A alpha-BHC	0.000	3.266	0	309564	N.D.	0.073	#
4)	MA Heptachlor	0.000	3.946	0	437315	N.D.	0.108	#
5)	MB Aldrin	0.000	4.254f	0	103660	N.D.	0.026	#
6)	B beta-BHC	0.000	3.912	0	964909	N.D.	0.542	#
7)	B delta-BHC	0.000	4.126	0	169957	N.D.	0.040	#
8)	B Heptachlo...	0.000	4.708f	0	814989	N.D.	0.224	#
9)	A Endosulfan I	0.000	5.073f	0	1383110	N.D.	0.414	#
10)	B gamma-Chl...	0.000	4.986	0	1049460	N.D.	0.283	#
12)	B 4,4'-DDE	0.000	5.257f	0	2876509	N.D.	0.803	#
13)	MA Dieldrin	0.000	5.370	0	384448	N.D.	0.104	#
14)	MA Endrin	0.000	5.642	0	1855401	N.D.	0.582	#
15)	B Endosulfa...	6.820f	5.959f	18164397	3741195	8.330	1.181	#
21)	B Endrin ke...	7.658f	6.818f	5650466	675973	2.490	0.201	#
22)	Mirex	0.000	7.001f	0	1184326	N.D.	0.441	#
23)	Chlordane-1	0.000	3.786	0	3724047	N.D.	32.041	#
24)	Chlordane-2	0.000	4.360	0	968806	N.D.	7.230	#
25)	Chlordane-3	0.000	4.986	0	1049460	N.D.	2.612	#
26)	Chlordane-4	0.000	5.010f	0	363295	N.D.	0.931	#
27)	Chlordane-5	0.000	5.959f	0	3741195	N.D.	27.303	#

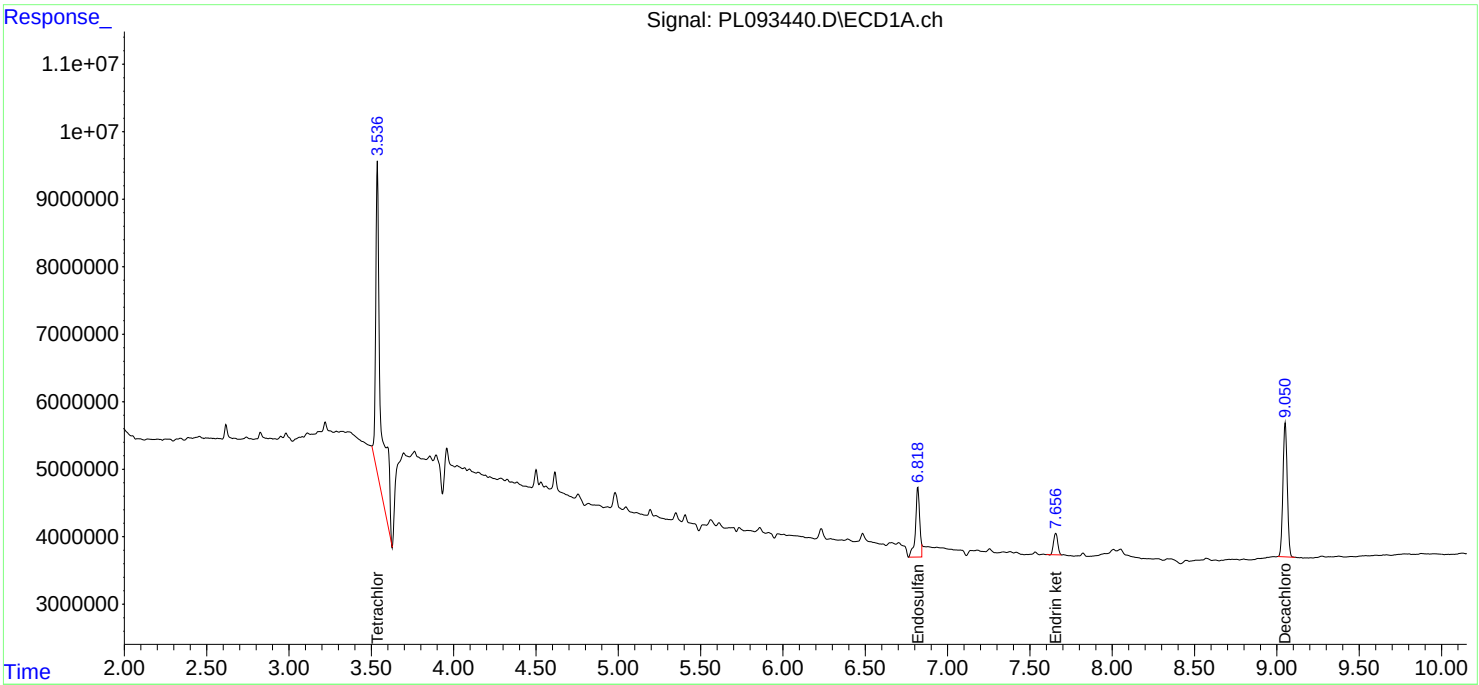
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

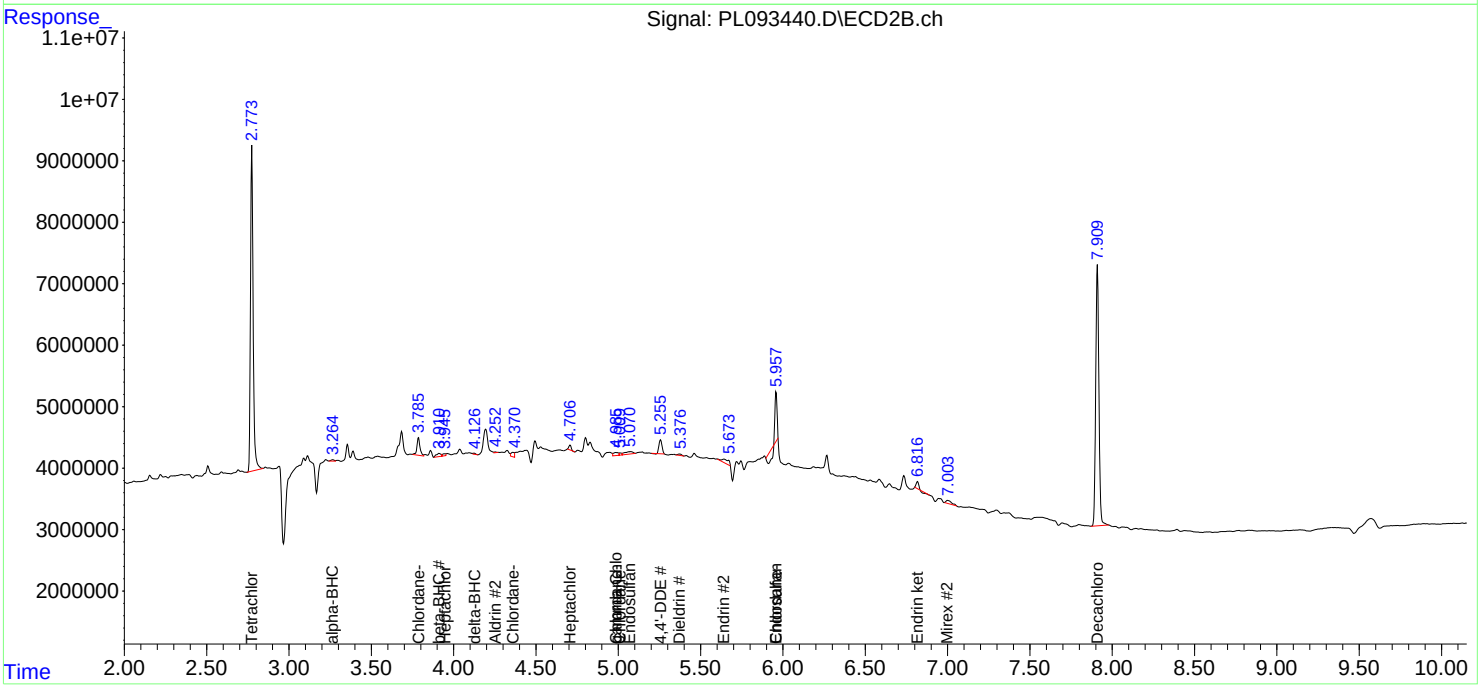
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL121924\
Data File : PL093440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Dec 2024 16:40
Operator : AR\AJ
Sample : P5306-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

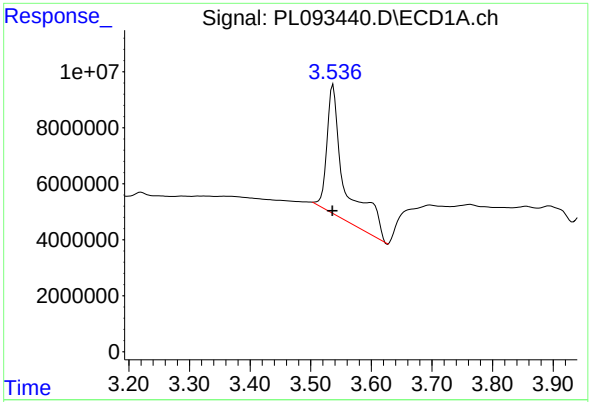
Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 21:52:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL112524.M
Quant Title : GC Extractables
QLast Update : Mon Nov 25 15:18:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



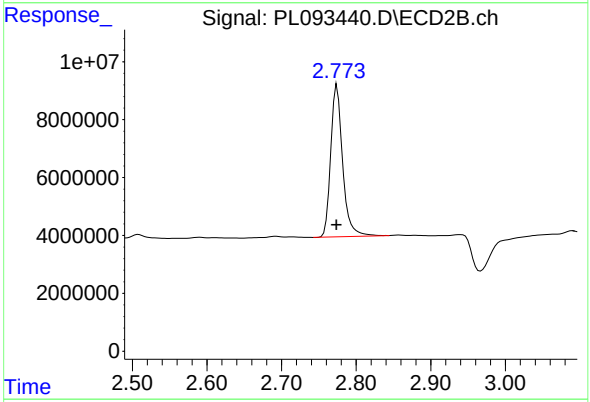




#1 Tetrachloro-m-xylene

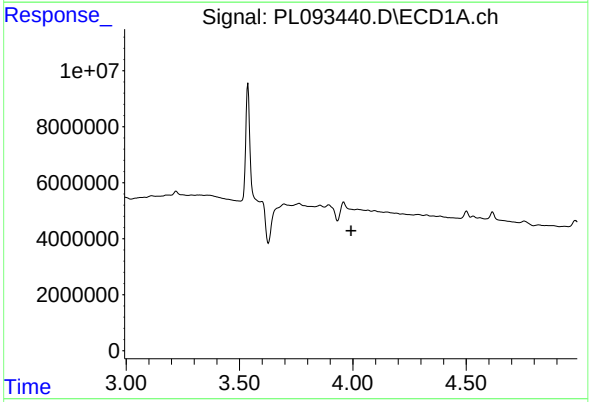
R.T.: 3.537 min
Delta R.T.: 0.001 min
Response: 96695953
Conc: 37.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



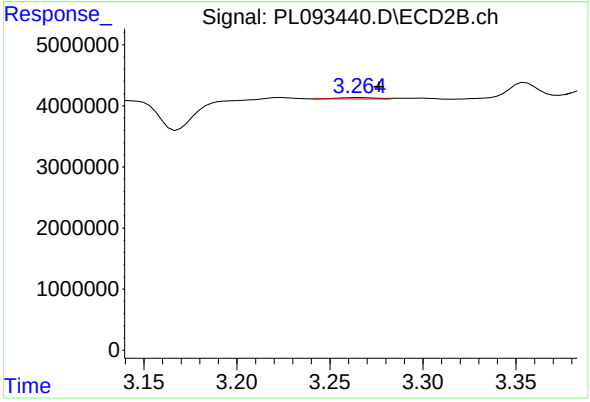
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 58349924
Conc: 20.23 ng/ml



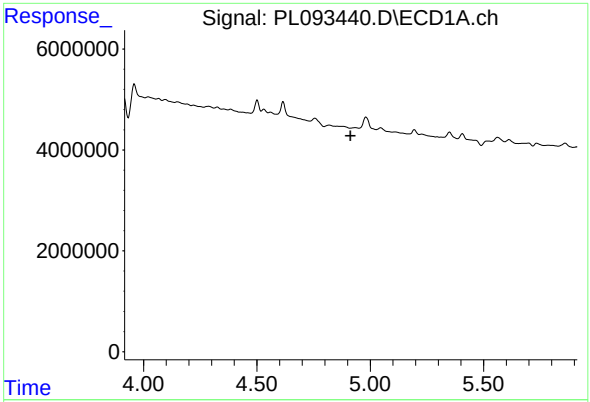
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.992 min
Response: 0
Conc: N.D.



#2 alpha-BHC

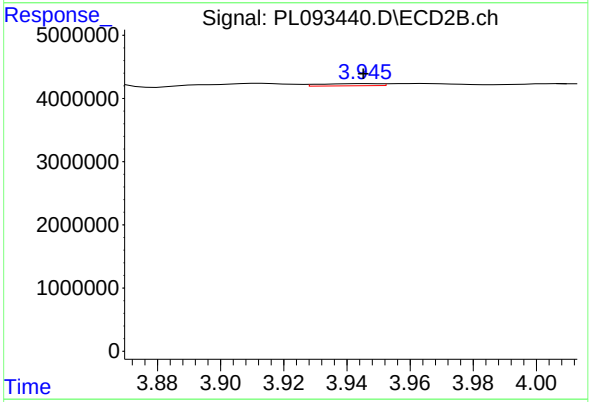
R.T.: 3.266 min
Delta R.T.: -0.011 min
Response: 309564
Conc: 0.07 ng/ml



#4 Heptachlor

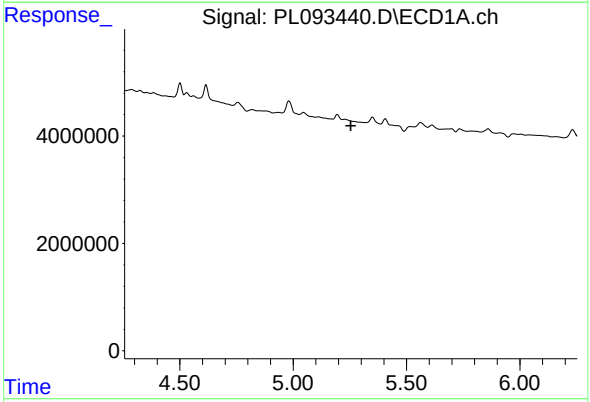
R.T.: 0.000 min
Exp R.T. : 4.913 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



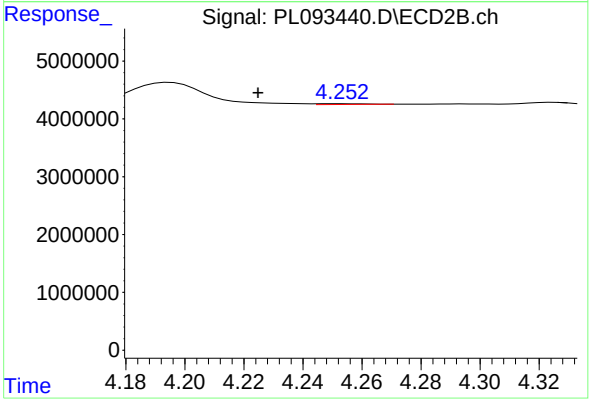
#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 437315
Conc: 0.11 ng/ml



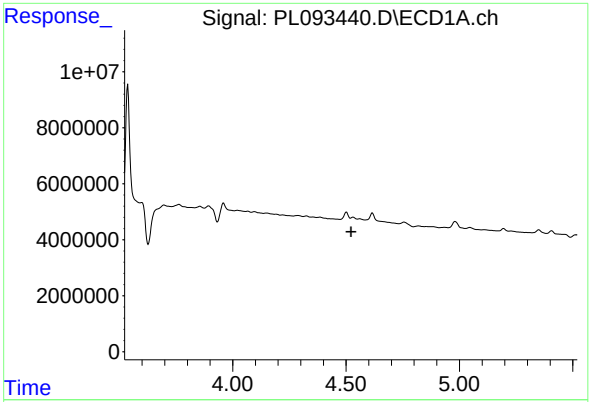
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

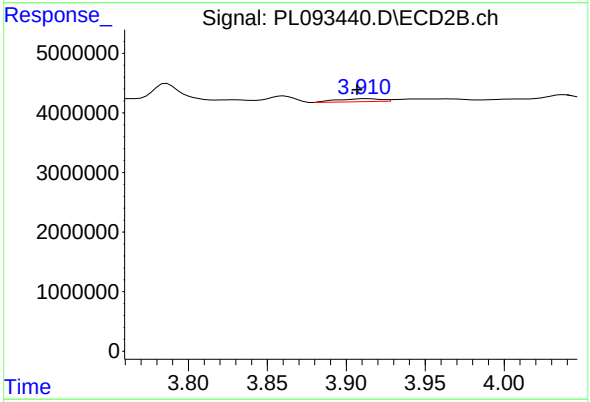
R.T.: 4.254 min
Delta R.T.: 0.029 min
Response: 103660
Conc: 0.03 ng/ml



#6 beta-BHC

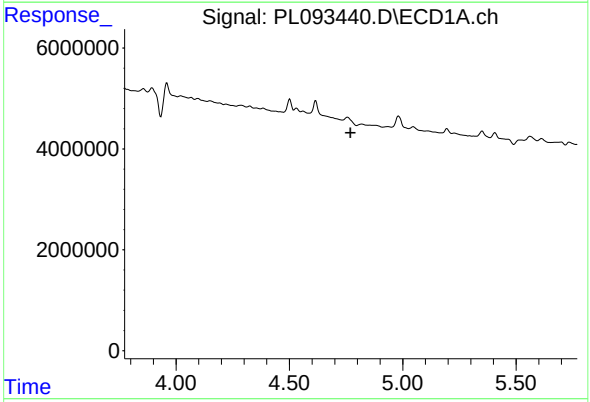
R.T.: 0.000 min
Exp R.T. : 4.523 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



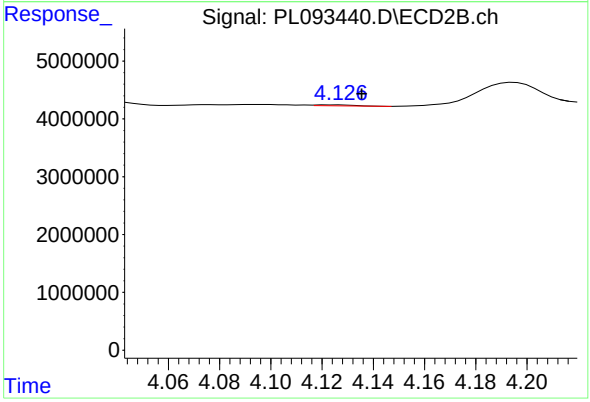
#6 beta-BHC

R.T.: 3.912 min
Delta R.T.: 0.006 min
Response: 964909
Conc: 0.54 ng/ml



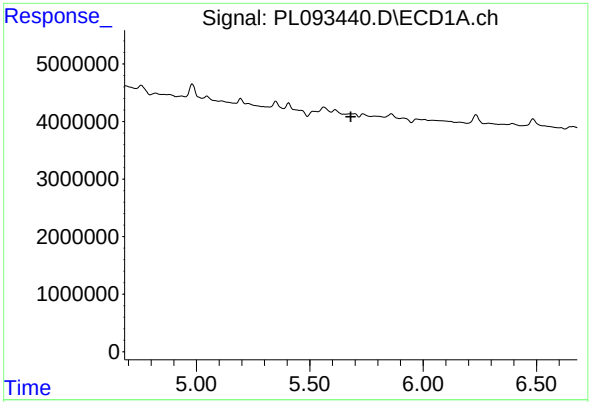
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.770 min
Response: 0
Conc: N.D.



#7 delta-BHC

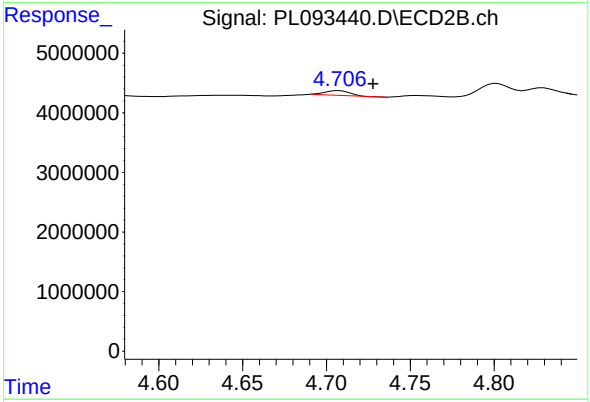
R.T.: 4.126 min
Delta R.T.: -0.010 min
Response: 169957
Conc: 0.04 ng/ml



#8 Heptachlor epoxide

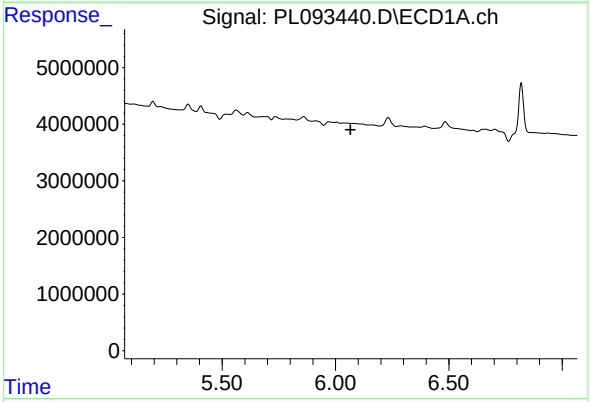
R.T.: 0.000 min
Exp R.T. : 5.681 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



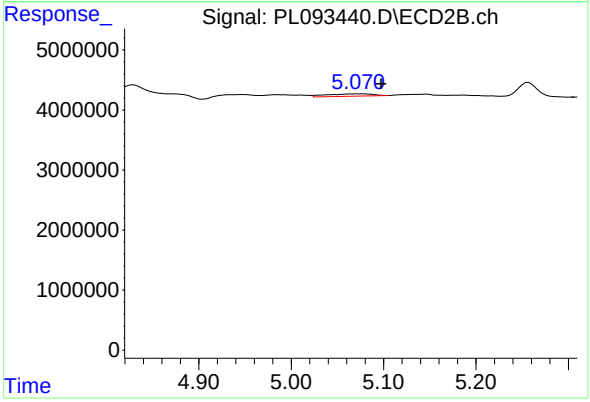
#8 Heptachlor epoxide

R.T.: 4.708 min
Delta R.T.: -0.020 min
Response: 814989
Conc: 0.22 ng/ml



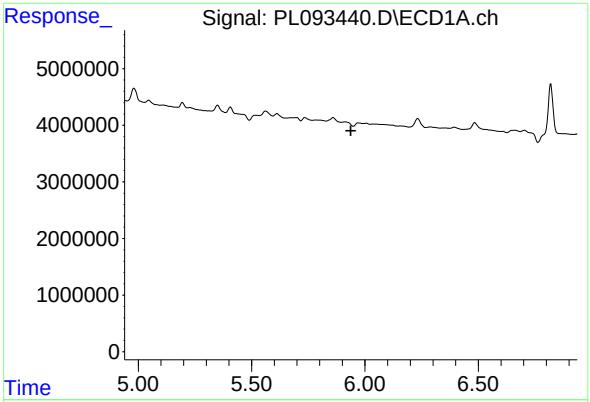
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

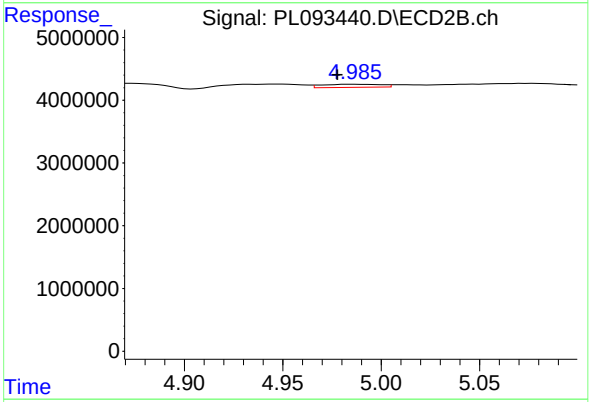
R.T.: 5.073 min
Delta R.T.: -0.025 min
Response: 1383110
Conc: 0.41 ng/ml



#10 gamma-Chlordane

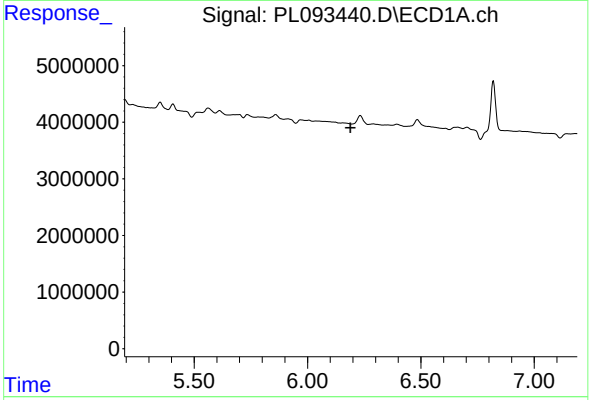
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



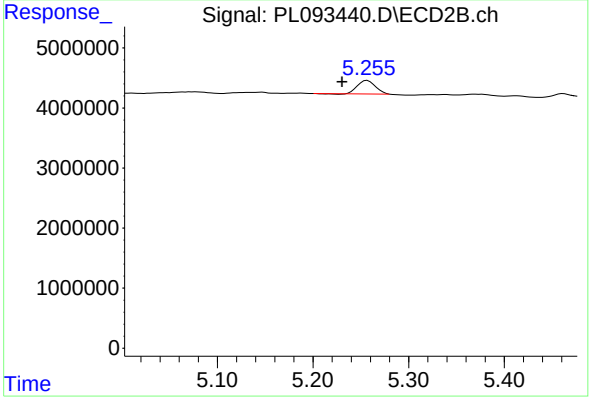
#10 gamma-Chlordane

R.T.: 4.986 min
Delta R.T.: 0.008 min
Response: 1049460
Conc: 0.28 ng/ml



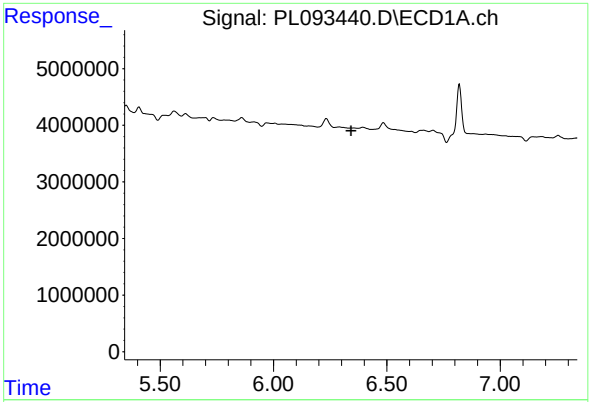
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.190 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

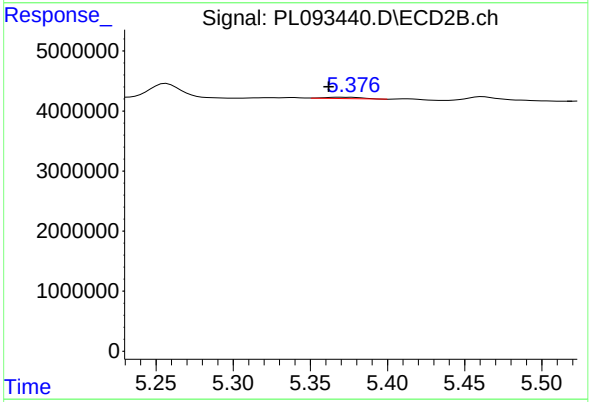
R.T.: 5.257 min
Delta R.T.: 0.026 min
Response: 2876509
Conc: 0.80 ng/ml



#13 Dieldrin

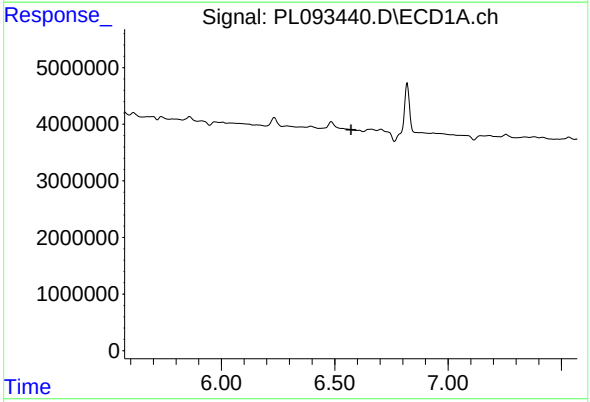
R.T.: 0.000 min
Exp R.T. : 6.342 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



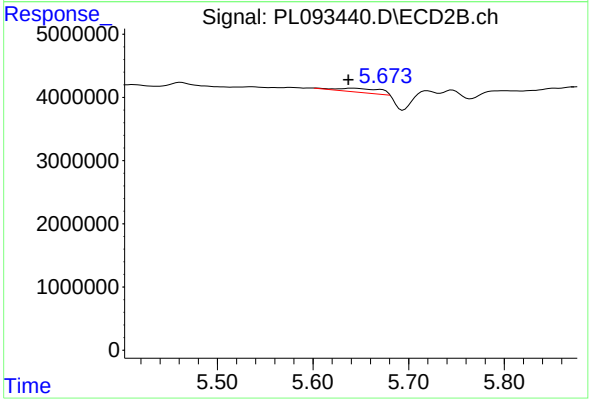
#13 Dieldrin

R.T.: 5.370 min
Delta R.T.: 0.008 min
Response: 384448
Conc: 0.10 ng/ml



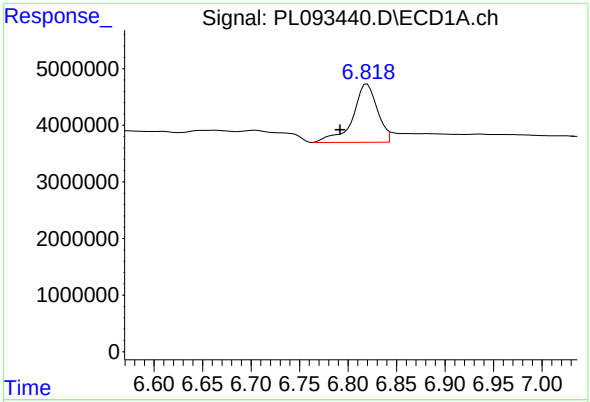
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

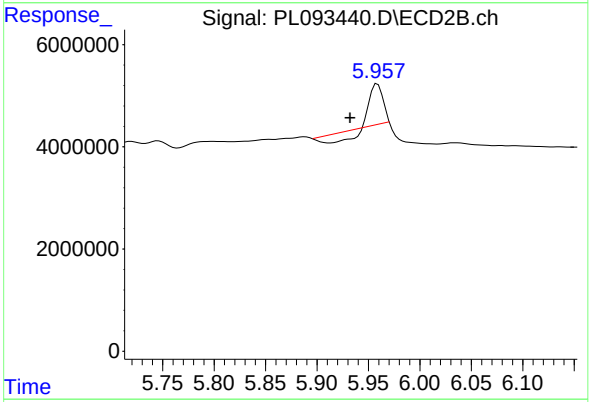
R.T.: 5.642 min
Delta R.T.: 0.005 min
Response: 1855401
Conc: 0.58 ng/ml



#15 Endosulfan II

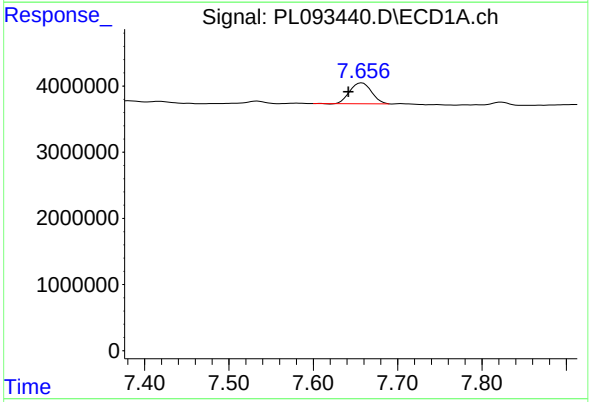
R.T.: 6.820 min
Delta R.T.: 0.028 min
Response: 18164397
Conc: 8.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



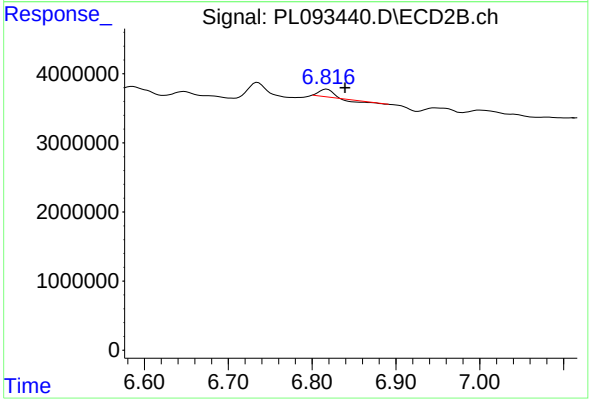
#15 Endosulfan II

R.T.: 5.959 min
Delta R.T.: 0.027 min
Response: 3741195
Conc: 1.18 ng/ml



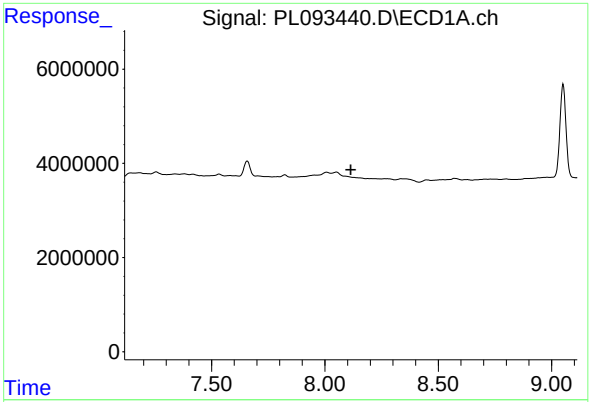
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: 0.016 min
Response: 5650466
Conc: 2.49 ng/ml



#21 Endrin ketone

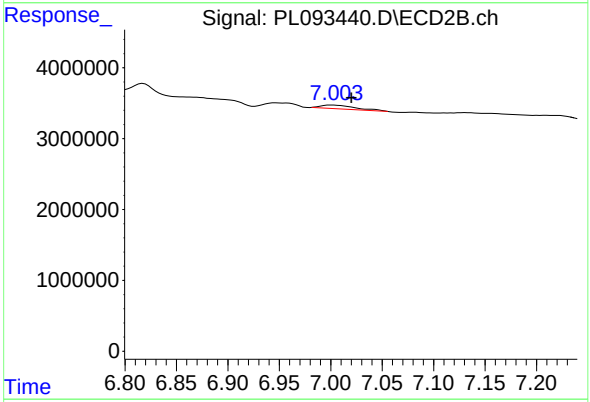
R.T.: 6.818 min
Delta R.T.: -0.022 min
Response: 675973
Conc: 0.20 ng/ml



#22 Mirex

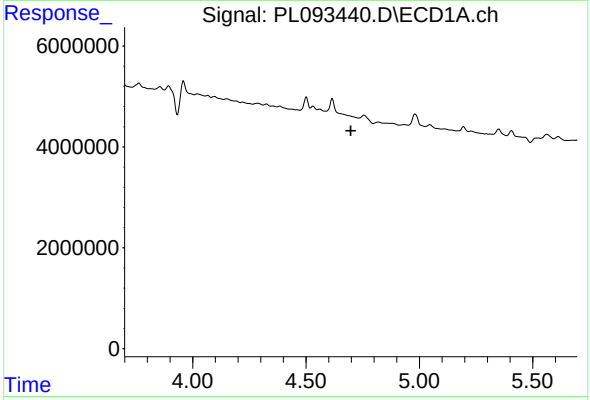
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



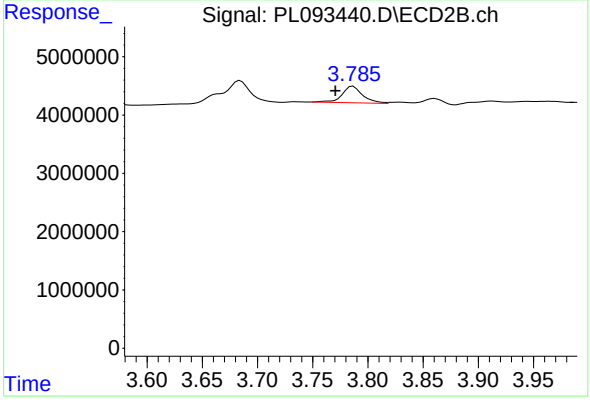
#22 Mirex

R.T.: 7.001 min
Delta R.T.: -0.019 min
Response: 1184326
Conc: 0.44 ng/ml



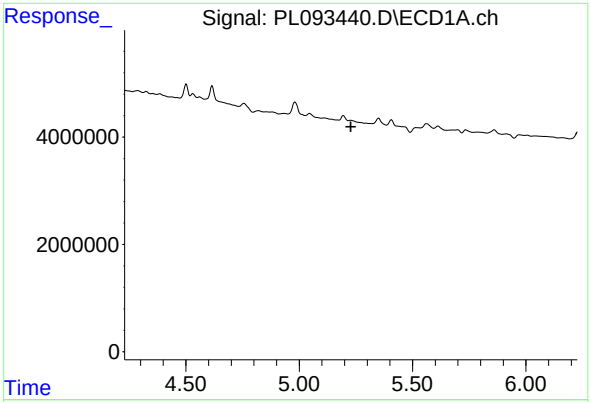
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.698 min
Response: 0
Conc: N.D.



#23 Chlordane-1

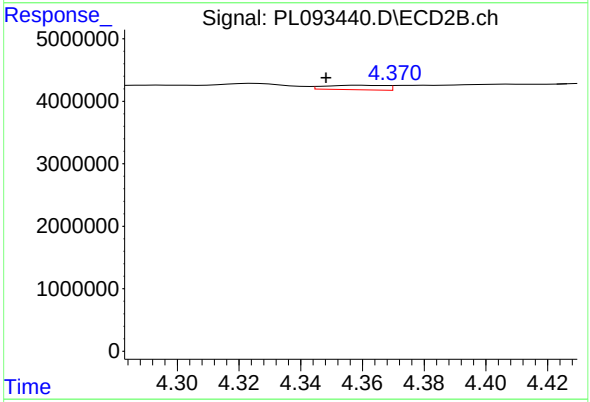
R.T.: 3.786 min
Delta R.T.: 0.016 min
Response: 3724047
Conc: 32.04 ng/ml



#24 Chlordane-2

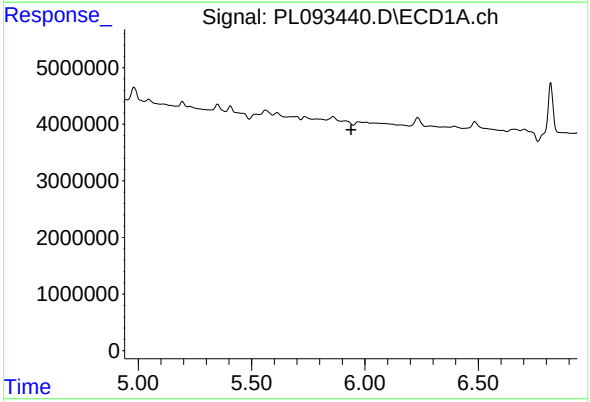
R.T.: 0.000 min
Exp R.T. : 5.228 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



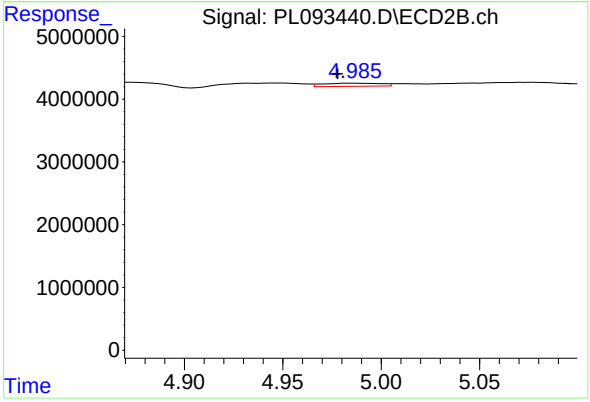
#24 Chlordane-2

R.T.: 4.360 min
Delta R.T.: 0.011 min
Response: 968806
Conc: 7.23 ng/ml



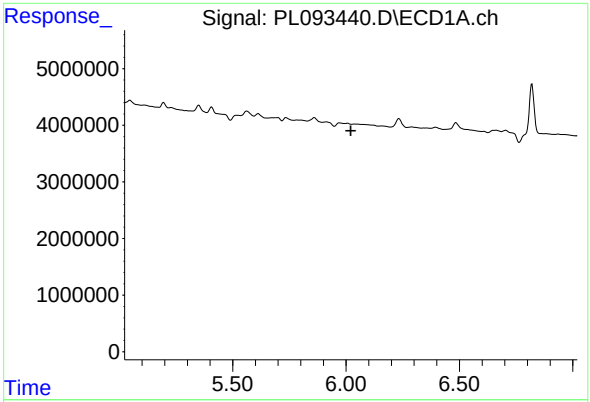
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

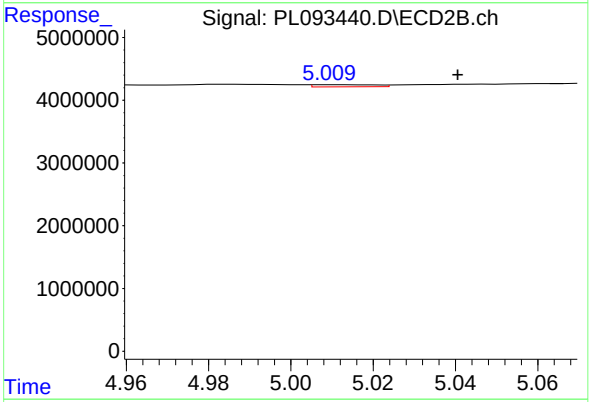
R.T.: 4.986 min
Delta R.T.: 0.008 min
Response: 1049460
Conc: 2.61 ng/ml



#26 Chlordane-4

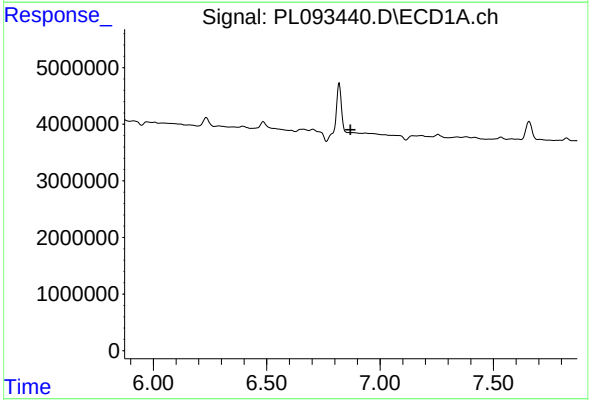
R.T.: 0.000 min
Exp R.T. : 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



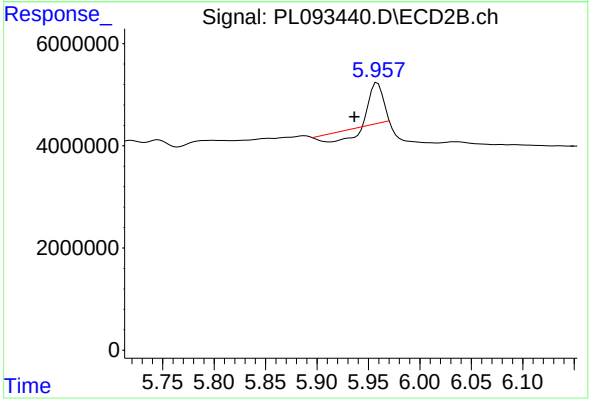
#26 Chlordane-4

R.T.: 5.010 min
Delta R.T.: -0.031 min
Response: 363295
Conc: 0.93 ng/ml



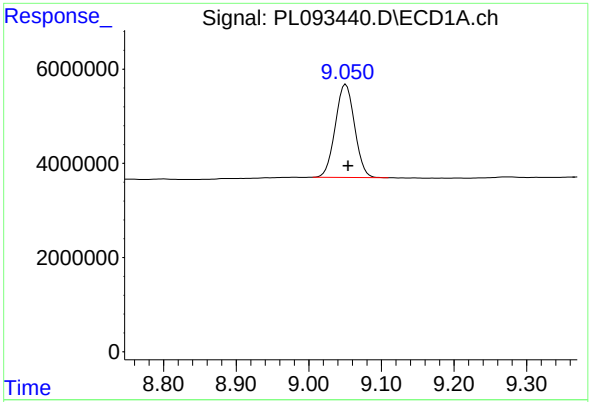
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

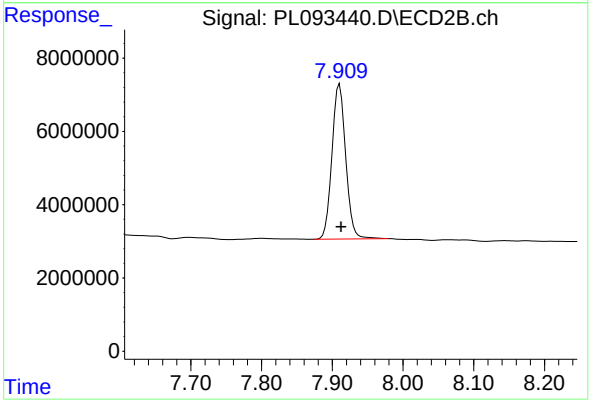
R.T.: 5.959 min
Delta R.T.: 0.022 min
Response: 3741195
Conc: 27.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.003 min
Response: 36476172
Conc: 20.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-VSL-14-121224



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 57143090
Conc: 20.00 ng/ml