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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1206

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

Table Of Contents for Q1206

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Cover Page

Order ID : Q1206

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1206-01	JPP-20.1-012725
Q1206-02	JPP-20.1-012725
Q1206-03	JPP-20.1-012725
Q1206-04	JPP-20.1-012725
Q1206-05	JPP-16.3-012725
Q1206-06	JPP-16.3-012725
Q1206-07	JPP-16.3-012725
Q1206-08	JPP-16.3-012725

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

Signature : _____

Date: 2/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1206
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
8 Solid samples were received on 01/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

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

E. Additional Comments:

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

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

Signature_____

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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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1206 MATRIX: TCLP

METHOD: 8081B/3510/1311

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1206

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 02/06/2025

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LAB CHRONICLE

OrderID:	Q1206	**OrderDate:**	1/28/2025 11:18:51 AM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1206-01	**JPP-20.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			Diesel Range Organics	8015D		01/29/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	
Q1206-03	**JPP-20.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			PCB	8082A		01/29/25	01/29/25	
Q1206-04	**JPP-20.1-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP Herbicide	8151A		01/29/25	01/30/25	
			TCLP Pesticide	8081B		01/29/25	02/03/25	
Q1206-05	**JPP-16.3-012725**	**SOIL**			**01/27/25**			**01/28/25**
			Diesel Range Organics	8015D		01/29/25	01/30/25	
			Gasoline Range Organics	8015D			01/29/25	
Q1206-07	**JPP-16.3-012725**	**SOIL**			**01/27/25**			**01/28/25**
			PCB	8082A		01/29/25	01/29/25	
Q1206-08	**JPP-16.3-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP Herbicide	8151A		01/29/25	01/30/25	
			TCLP Pesticide	8081B		01/29/25	01/30/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1206 **Order ID:** Q1206

Client: RU2 Engineering, LLC **Project ID:** NYCDDC SANTWOBR Brooklyn Bri

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
			Total Concentration:	**0.000**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093725.D	PIBLK-PL093725.D	Decachlorobiphenyl	1	20	22.1	111		43	140
		Tetrachloro-m-xylene	1	20	20.8	104		77	126
		Decachlorobiphenyl	2	20	21.9	109		43	140
		Tetrachloro-m-xylene	2	20	20.5	103		77	126
I.BLK-PL093853.D	PIBLK-PL093853.D	Decachlorobiphenyl	1	20	23.0	115		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	22.0	110		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
PB166353BL	PB166353BL	Decachlorobiphenyl	1	20	27.2	136		43	140
		Tetrachloro-m-xylene	1	20	23.7	119		77	126
		Decachlorobiphenyl	2	20	26.2	131		43	140
		Tetrachloro-m-xylene	2	20	22.3	111		77	126
PB166318TB	PB166318TB	Decachlorobiphenyl	1	20	26.8	134		43	140
		Tetrachloro-m-xylene	1	20	23.6	118		77	126
		Decachlorobiphenyl	2	20	26.1	130		43	140
		Tetrachloro-m-xylene	2	20	21.9	110		77	126
I.BLK-PL093863.D	PIBLK-PL093863.D	Decachlorobiphenyl	1	20	23.1	115		43	140
		Tetrachloro-m-xylene	1	20	19.8	99		77	126
		Decachlorobiphenyl	2	20	22.1	111		43	140
		Tetrachloro-m-xylene	2	20	18.7	93		77	126
I.BLK-PL093874.D	PIBLK-PL093874.D	Decachlorobiphenyl	1	20	22.5	113		43	140
		Tetrachloro-m-xylene	1	20	19.9	100		77	126
		Decachlorobiphenyl	2	20	21.0	105		43	140
		Tetrachloro-m-xylene	2	20	18.1	91		77	126
PB166353BS	PB166353BS	Decachlorobiphenyl	1	20	23.4	117		43	140
		Tetrachloro-m-xylene	1	20	19.9	99		77	126
		Decachlorobiphenyl	2	20	22.5	113		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
I.BLK-PL093887.D	PIBLK-PL093887.D	Decachlorobiphenyl	1	20	21.4	107		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	21.2	106		43	140
		Tetrachloro-m-xylene	2	20	17.5	88		77	126
Q1206-08	JPP-16.3-012725	Decachlorobiphenyl	1	20	25.6	128		43	140
		Tetrachloro-m-xylene	1	20	19.9	99		77	126
		Decachlorobiphenyl	2	20	24.8	124		43	140
		Tetrachloro-m-xylene	2	20	19.1	96		77	126
I.BLK-PL093904.D	PIBLK-PL093904.D	Decachlorobiphenyl	1	20	20.2	101		43	140
		Tetrachloro-m-xylene	1	20	19.1	96		77	126
		Decachlorobiphenyl	2	20	16.0	80		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
I.BLK-PL093980.D	PIBLK-PL093980.D	Decachlorobiphenyl	1	20	21.6	108		43	140

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Surrogate Summary

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093980.D	PIBLK-PL093980.D	Tetrachloro-m-xylene	1	20	22.2	111		77	126
		Decachlorobiphenyl	2	20	20.2	101		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
Q1206-04	JPP-20.1-012725	Decachlorobiphenyl	1	20	23.4	117		43	140
		Tetrachloro-m-xylene	1	20	21.3	106		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
Q1206-04MS	JPP-20.1-012725MS	Decachlorobiphenyl	1	20	26.2	131		43	140
		Tetrachloro-m-xylene	1	20	21.8	109		77	126
		Decachlorobiphenyl	2	20	27.6	138		43	140
		Tetrachloro-m-xylene	2	20	21.3	106		77	126
Q1206-04MSD	JPP-20.1-012725MSD	Decachlorobiphenyl	1	20	26.6	133		43	140
		Tetrachloro-m-xylene	1	20	21.3	107		77	126
		Decachlorobiphenyl	2	20	27.5	138		43	140
		Tetrachloro-m-xylene	2	20	21.0	105		77	126
I.BLK-PL093999.D	PIBLK-PL093999.D	Decachlorobiphenyl	1	20	28.1	140		43	140
		Tetrachloro-m-xylene	1	20	21.1	106		77	126
		Decachlorobiphenyl	2	20	21.9	109		43	140
		Tetrachloro-m-xylene	2	20	20.5	102		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL093991.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JPP-20.1-012725MS**											
Q1206-04MS	gamma-BHC (Lindane)	5	0	5.80	ug/L	116				60	152	
	Heptachlor	5	0	5.80	ug/L	116				56	147	
	Heptachlor epoxide	5	0	5.90	ug/L	118				77	143	
	Endrin	5	0	6.00	ug/L	120				76	144	
	Methoxychlor	5	0	5.70	ug/L	114				70	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL093992.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**JPP-20.1-012725MSD**											
Q1206-04MSD	gamma-BHC (Lindane)	5	0	5.70	ug/L	114		2		60	152	20
	Heptachlor	5	0	5.70	ug/L	114		2		56	147	20
	Heptachlor epoxide	5	0	5.80	ug/L	116		2		77	143	20
	Endrin	5	0	6.30	ug/L	126		5		76	144	20
	Methoxychlor	5	0	6.10	ug/L	122		7		70	142	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Analytical Method: 8081B **Datafile :** PL093886.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166353BS	gamma-BHC (Lindane)	0.5	0.47	ug/L	93				82	129	
	Heptachlor	0.5	0.49	ug/L	98				79	127	
	Heptachlor epoxide	0.5	0.49	ug/L	97				81	124	
	Endrin	0.5	0.48	ug/L	97				81	128	
	Methoxychlor	0.5	0.50	ug/L	100				78	108	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166353BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

Lab Sample ID: PB166353BL Lab File ID: PL093857.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 01/29/2025

Date Analyzed (1): 01/29/2025 Date Analyzed (2): 01/29/2025

Time Analyzed (1): 17:36 Time Analyzed (2): 17:36

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
PB166318TB	PB166318TB	PL093859.D	01/29/2025	01/29/2025
PB166353BS	PB166353BS	PL093886.D	01/30/2025	01/30/2025
JPP-16.3-012725	Q1206-08	PL093890.D	01/30/2025	01/30/2025
JPP-20.1-012725	Q1206-04	PL093990.D	02/03/2025	02/03/2025
JPP-20.1-012725MS	Q1206-04MS	PL093991.D	02/03/2025	02/03/2025
JPP-20.1-012725MSD	Q1206-04MSD	PL093992.D	02/03/2025	02/03/2025

COMMENTS:

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	PB166318TB	SDG No.:	Q1206
Lab Sample ID:	PB166318TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093859.D	1	01/29/25 11:20	01/29/25 18:05	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.090	0.50	ug/L
72-20-8	Endrin	0.50	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.50	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.8		43 - 140	134%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		77 - 126	118%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:05
Operator : AR\AJ
Sample : PB166318TB
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166318TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	63538193	71508349	23.596	21.907
28)	SA Decachlor...	9.061	7.913	56147847	91309832	26.840	26.058
	Target Compounds						

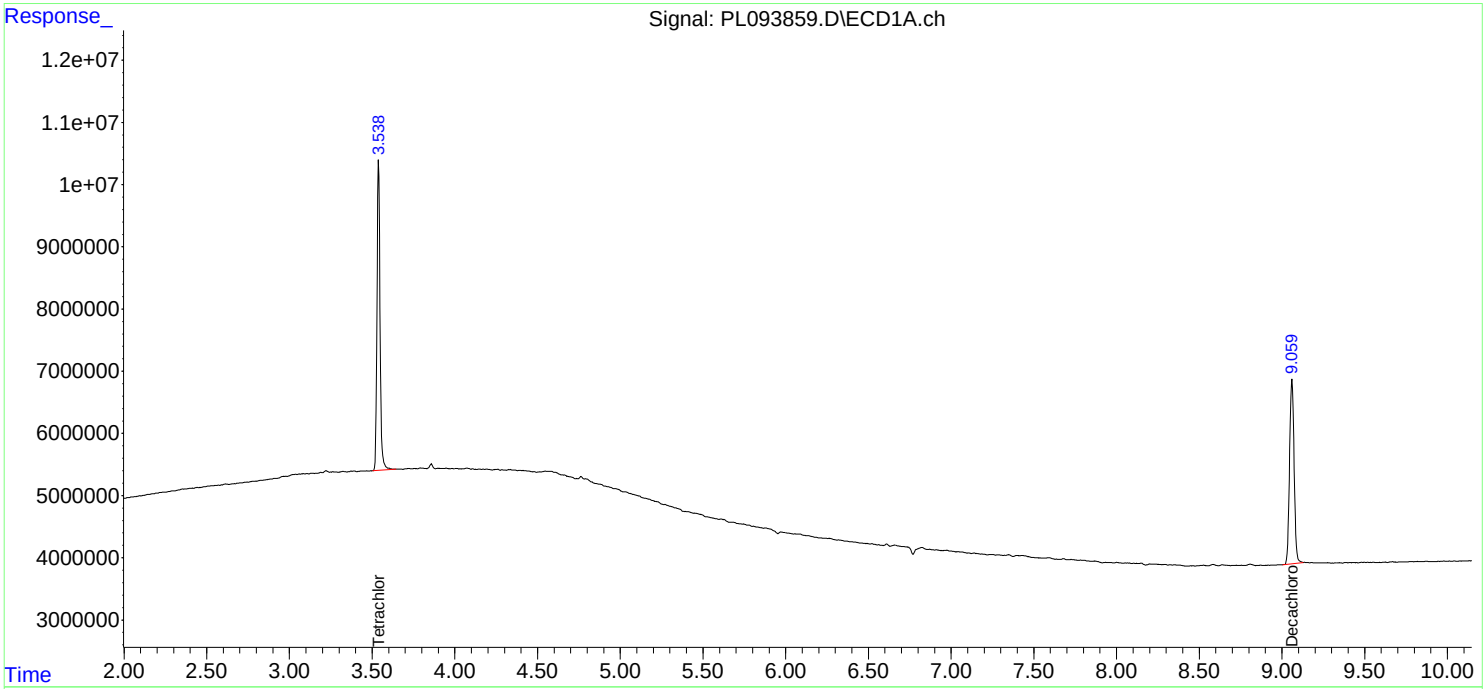
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

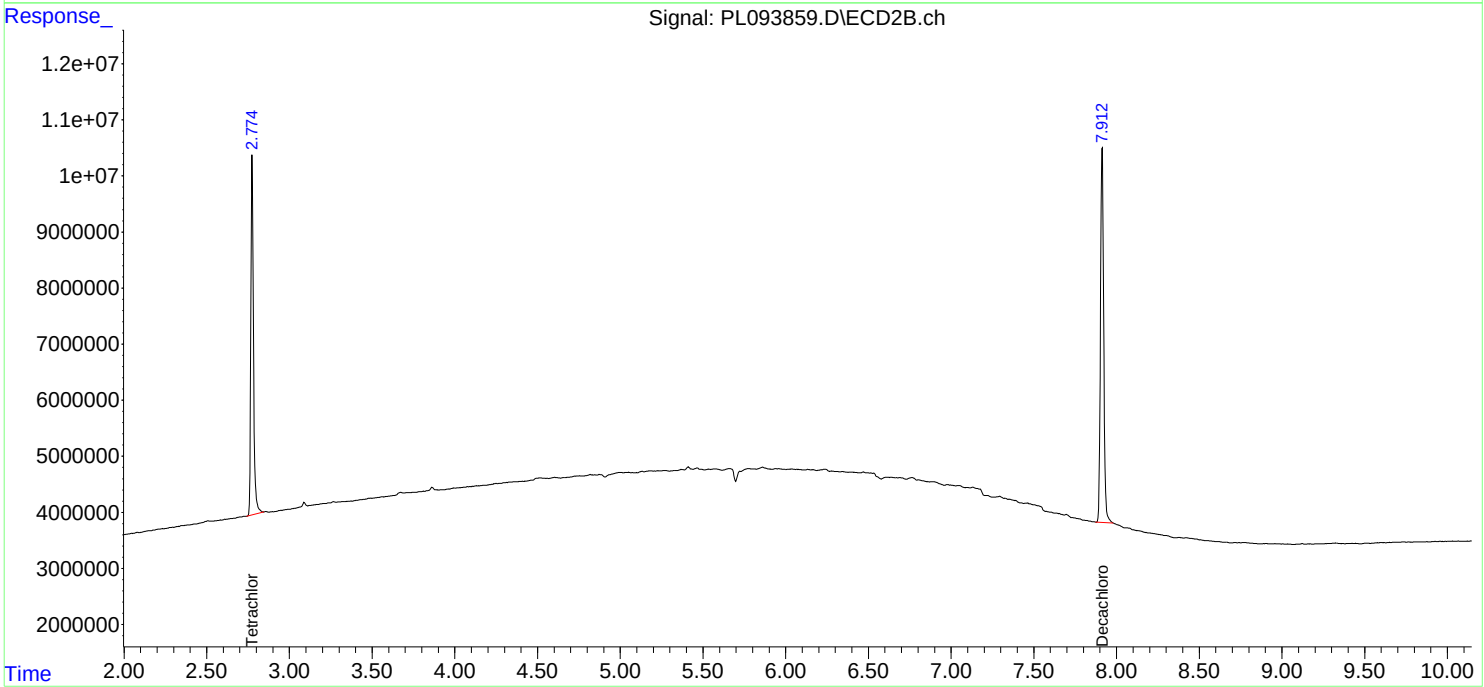
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:05
Operator : AR\AJ
Sample : PB166318TB
Misc :
ALS Vial : 16 Sample Multiplier: 1

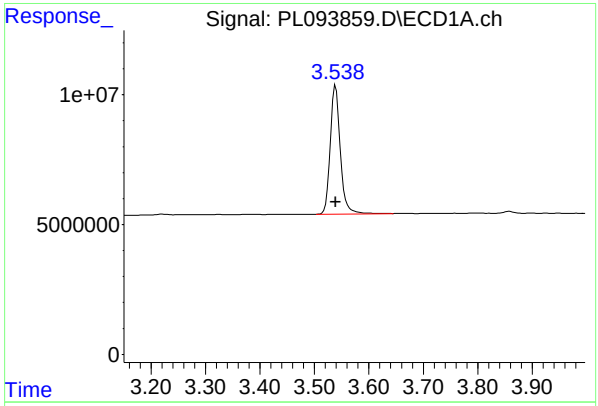
Instrument :
ECD_L
ClientSampleId :
PB166318TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



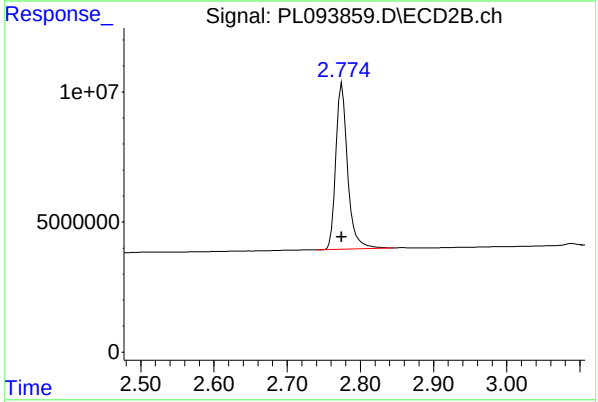




#1 Tetrachloro-m-xylene

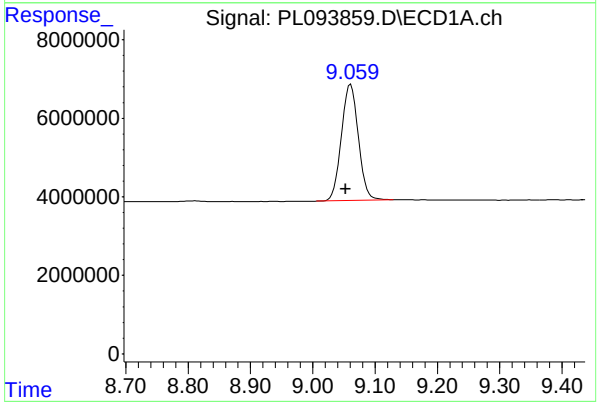
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 63538193
Conc: 23.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166318TB



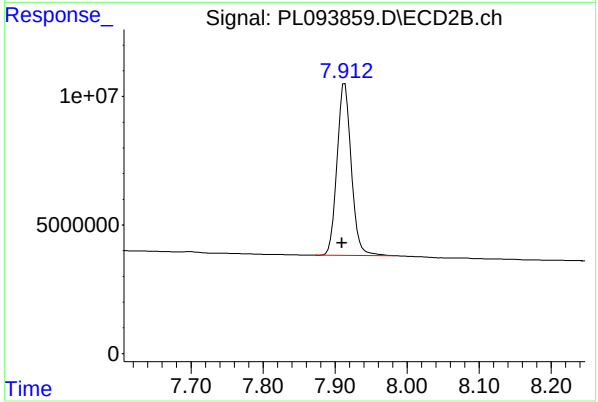
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 71508349
Conc: 21.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.008 min
Response: 56147847
Conc: 26.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.004 min
Response: 91309832
Conc: 26.06 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093990.D	1	01/29/25 11:20	02/03/25 14:50	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.090	0.50	ug/L
72-20-8	Endrin	0.50	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.50	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		43 - 140	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 14:50
Operator : AR\AJ
Sample : Q1206-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	57335206	66418217	21.292	20.348
28)	SA Decachlor...	9.056	7.910	49019357	77899326	23.433	22.231
	Target Compounds						

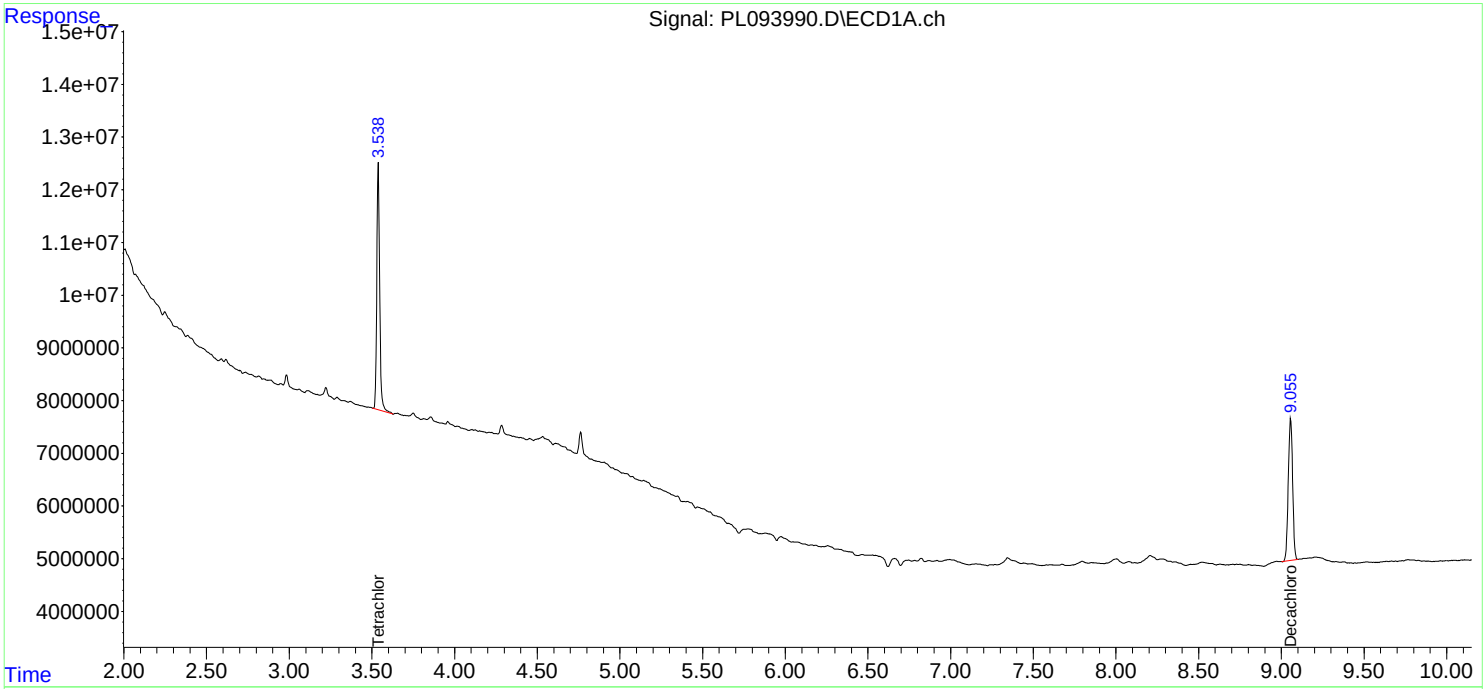
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

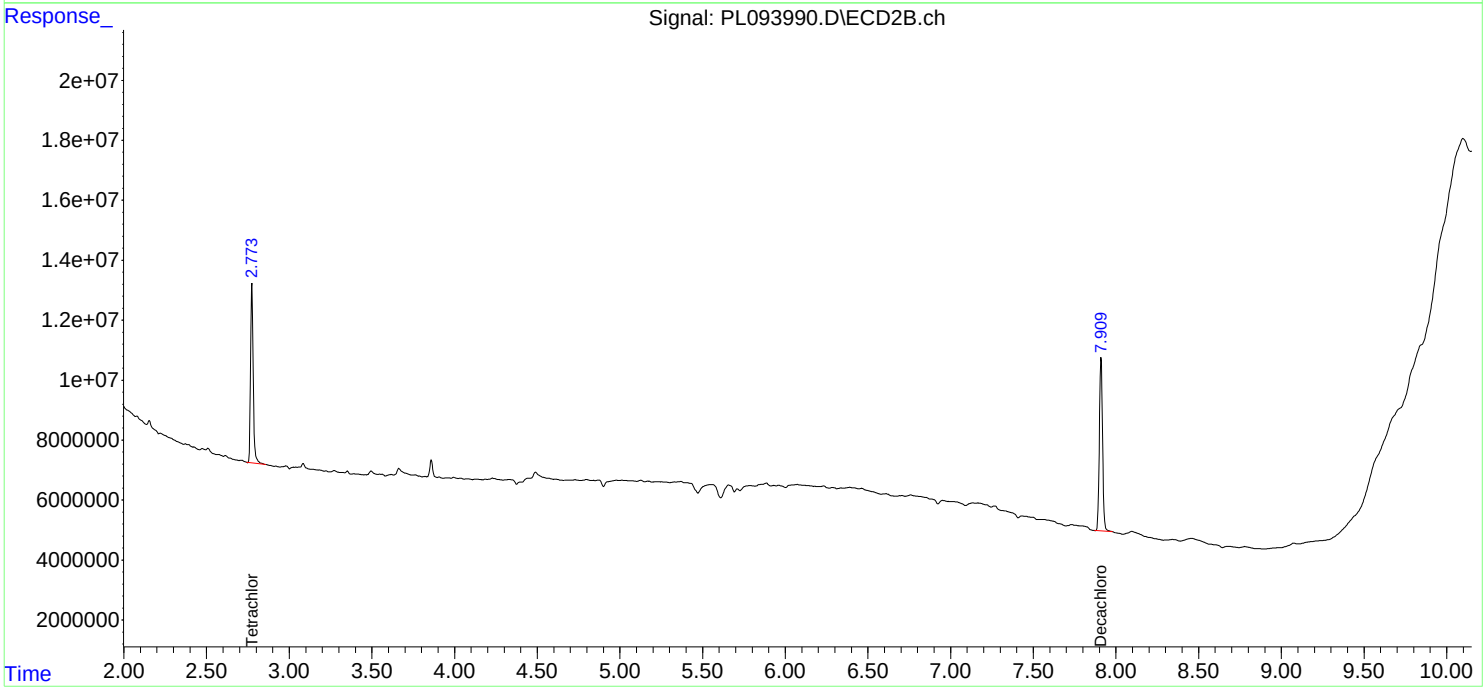
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 14:50
Operator : AR\AJ
Sample : Q1206-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

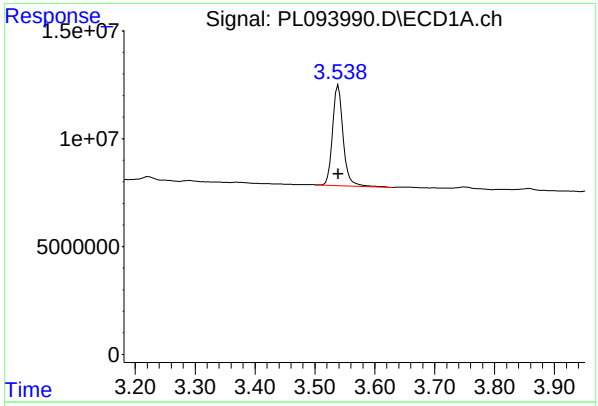
Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:42:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



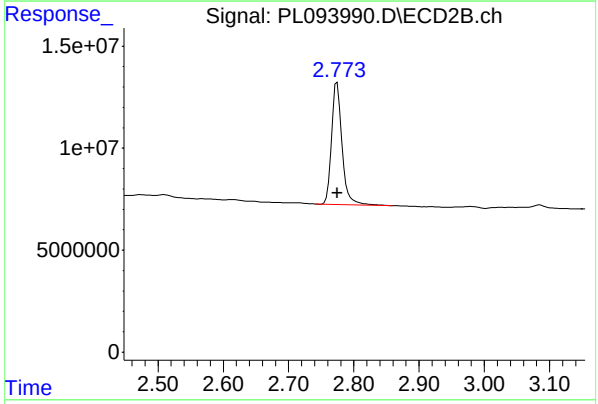




#1 Tetrachloro-m-xylene

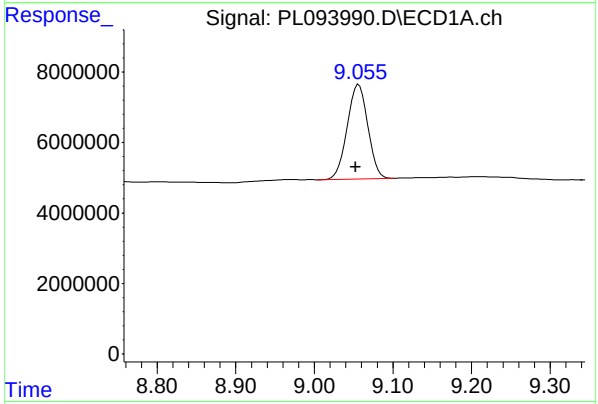
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 57335206
Conc: 21.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725



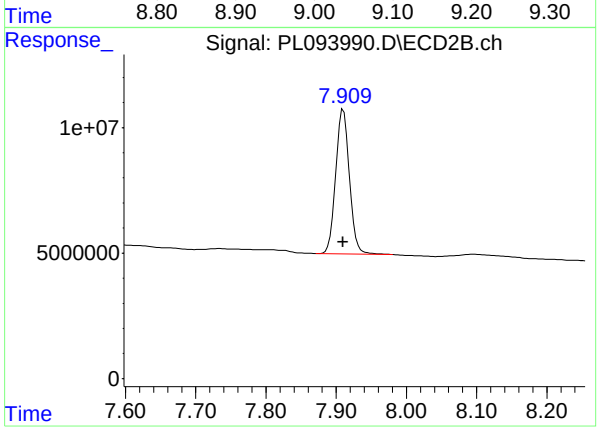
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 66418217
Conc: 20.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 49019357
Conc: 23.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 77899326
Conc: 22.23 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-08	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093890.D	1	01/29/25 11:20	01/30/25 14:51	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.090	0.50	ug/L
72-20-8	Endrin	0.50	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.50	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.6		43 - 140	128%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		77 - 126	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 14:51
Operator : AR\AJ
Sample : Q1206-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-16.3-012725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	53474947	62407241	19.859	19.119
28)	SA Decachlor...	9.054	7.909	53631994	86734414	25.638	24.753
	Target Compounds						

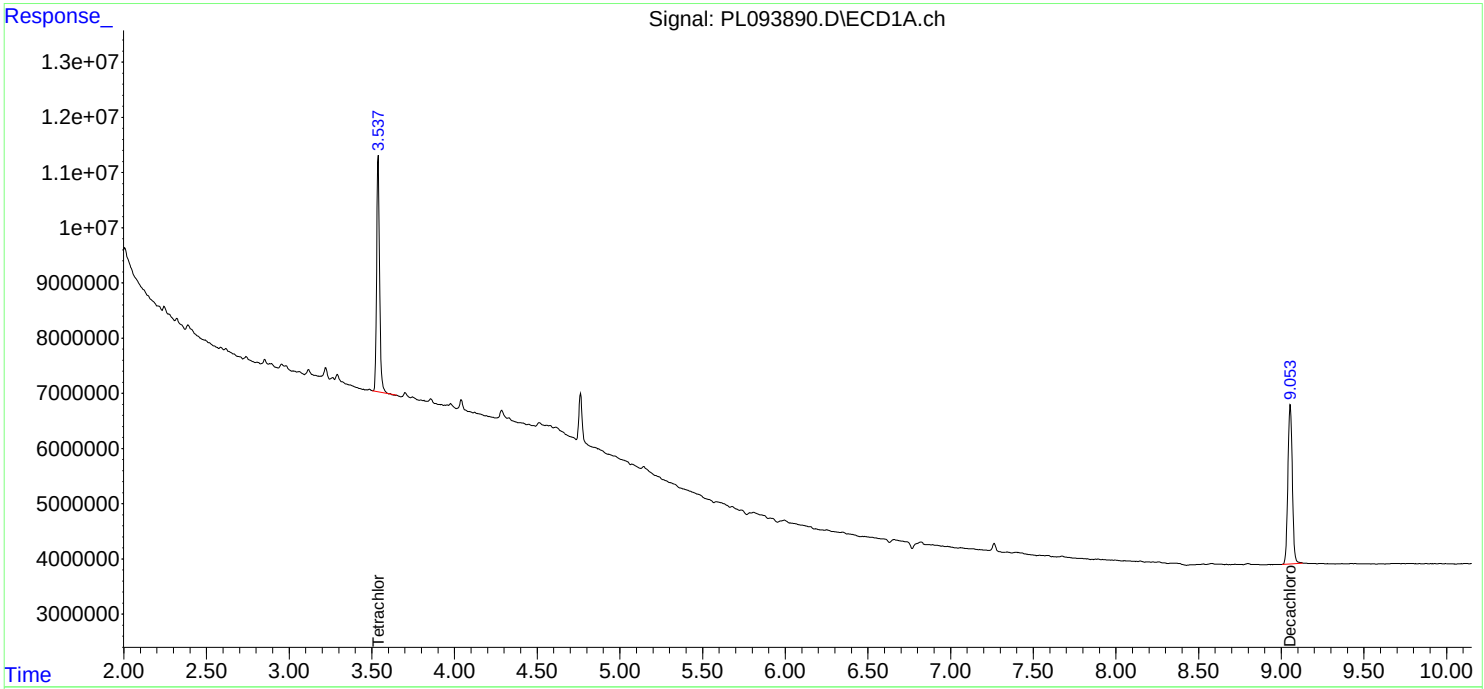
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

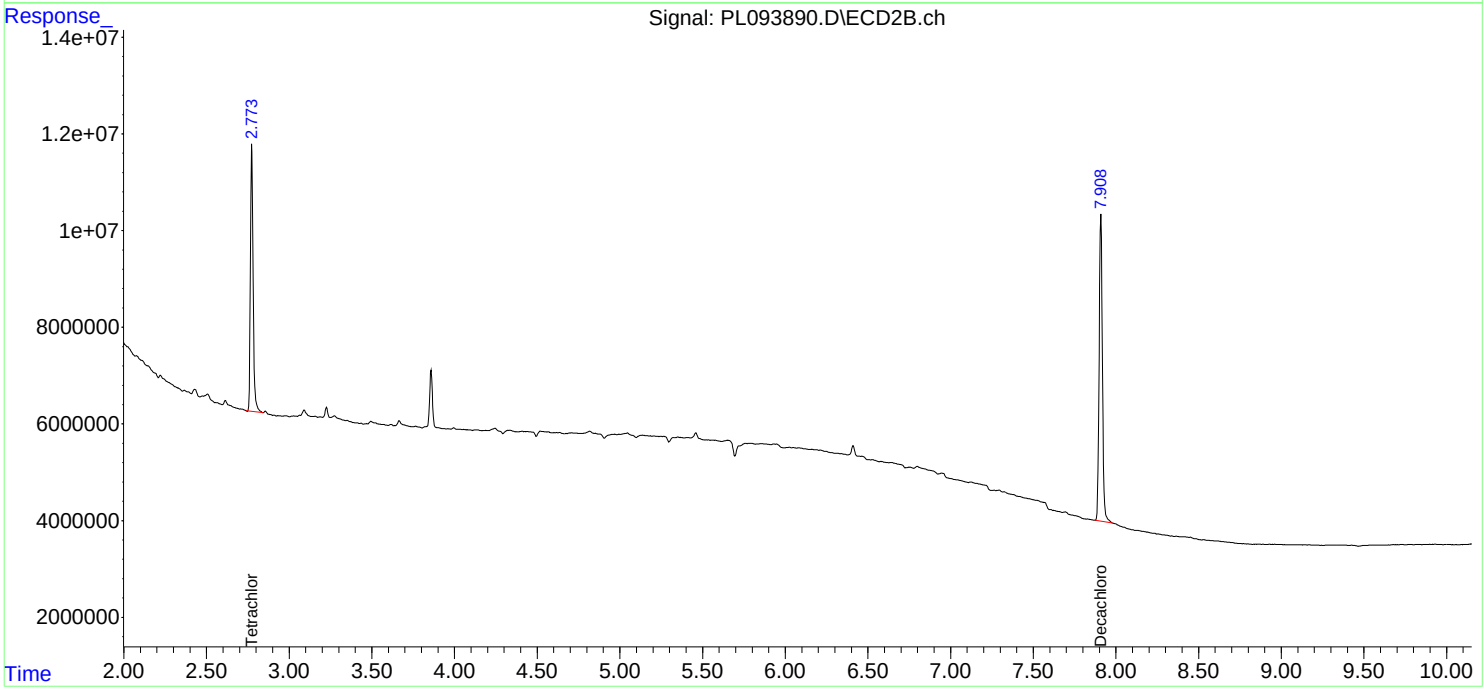
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 14:51
Operator : AR\AJ
Sample : Q1206-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

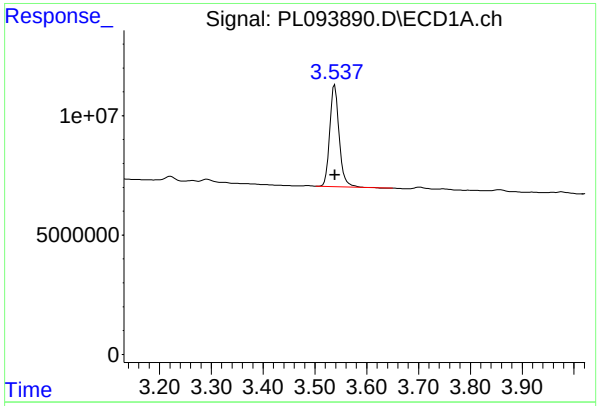
Instrument :
ECD_L
ClientSampleId :
JPP-16.3-012725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



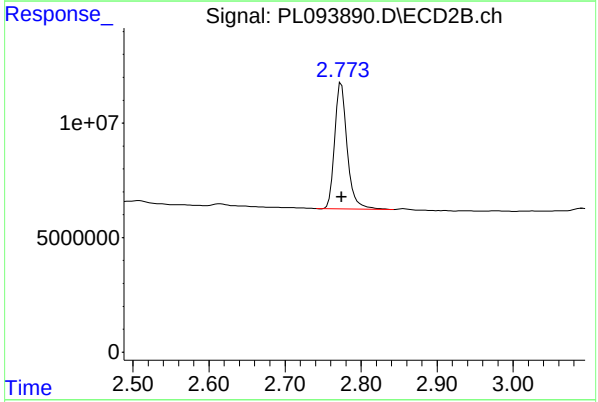




#1 Tetrachloro-m-xylene

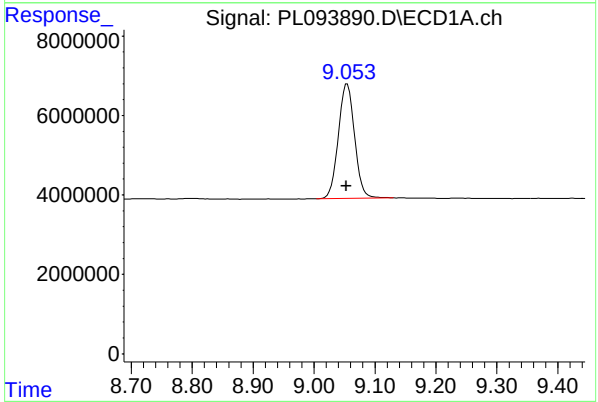
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 53474947
Conc: 19.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-16.3-012725



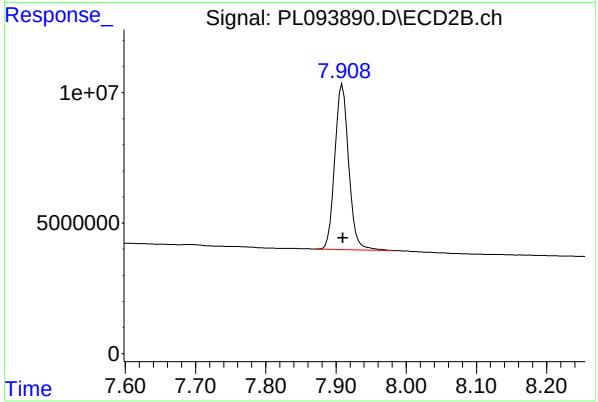
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 62407241
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.002 min
Response: 53631994
Conc: 25.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 86734414
Conc: 24.75 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	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

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
Heptachlor	3.95	3.95	3.95	3.95	3.94	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	2.78	2.77	2.77	2.77	2.77	2.77	2.67	2.87

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1768480000	1816480000	2098320000	2018470000	2757820000	2091910000	19
Endrin	2079430000	2060990000	2363220000	2218560000	3001890000	2344820000	17
gamma-BHC (Lindane)	3375960000	3339350000	3767250000	3460830000	4470850000	3682850000	13
Heptachlor	2922500000	2901690000	3325290000	3144100000	4093120000	3277340000	15
Heptachlor epoxide	2568680000	2575960000	2953630000	2835830000	3935020000	2973820000	19
Methoxychlor	907284000	922109000	1080370000	1020090000	1287130000	1043400000	15
Tetrachloro-m-xylene	2397870000	2402980000	2740040000	2595500000	3327420000	2692760000	14

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3226690000	3193800000	3627020000	3320620000	4152210000	3504070000	11
Endrin	3607760000	3481170000	3870730000	3406140000	4097610000	3692680000	8
gamma-BHC (Lindane)	4713370000	4597010000	5084610000	4384810000	4926270000	4741210000	6
Heptachlor	4505180000	4413750000	4924840000	4345980000	5084220000	4654790000	7
Heptachlor epoxide	4026840000	3946880000	4424170000	3927960000	4575440000	4180260000	7
Methoxychlor	1651870000	1634200000	1870410000	1643810000	2140390000	1788140000	12
Tetrachloro-m-xylene	3101220000	3058550000	3437230000	3066200000	3657590000	3264160000	8

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.70	4.60	4.80	110671000
		2	5.23	5.13	5.33	111822000
		3	5.94	5.84	6.04	367564000
		4	6.02	5.92	6.12	441167000
		5	6.87	6.77	6.97	84311800
Toxaphene	500	1	6.24	6.14	6.34	23446000
		2	6.44	6.34	6.54	14767200
		3	7.06	6.96	7.16	75896000
		4	7.15	7.05	7.25	57345100
		5	7.93	7.83	8.03	43067100

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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.77	3.67	3.87	122213000
		2	4.35	4.25	4.45	140610000
		3	4.98	4.88	5.08	427882000
		4	5.04	4.94	5.14	412254000
		5	5.94	5.84	6.04	148711000
Toxaphene	500	1	5.00	4.90	5.10	27057100
		2	5.33	5.23	5.43	23947200
		3	5.68	5.58	5.78	24726400
		4	6.60	6.50	6.70	84987200
		5	7.04	6.94	7.14	80238300

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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

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

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

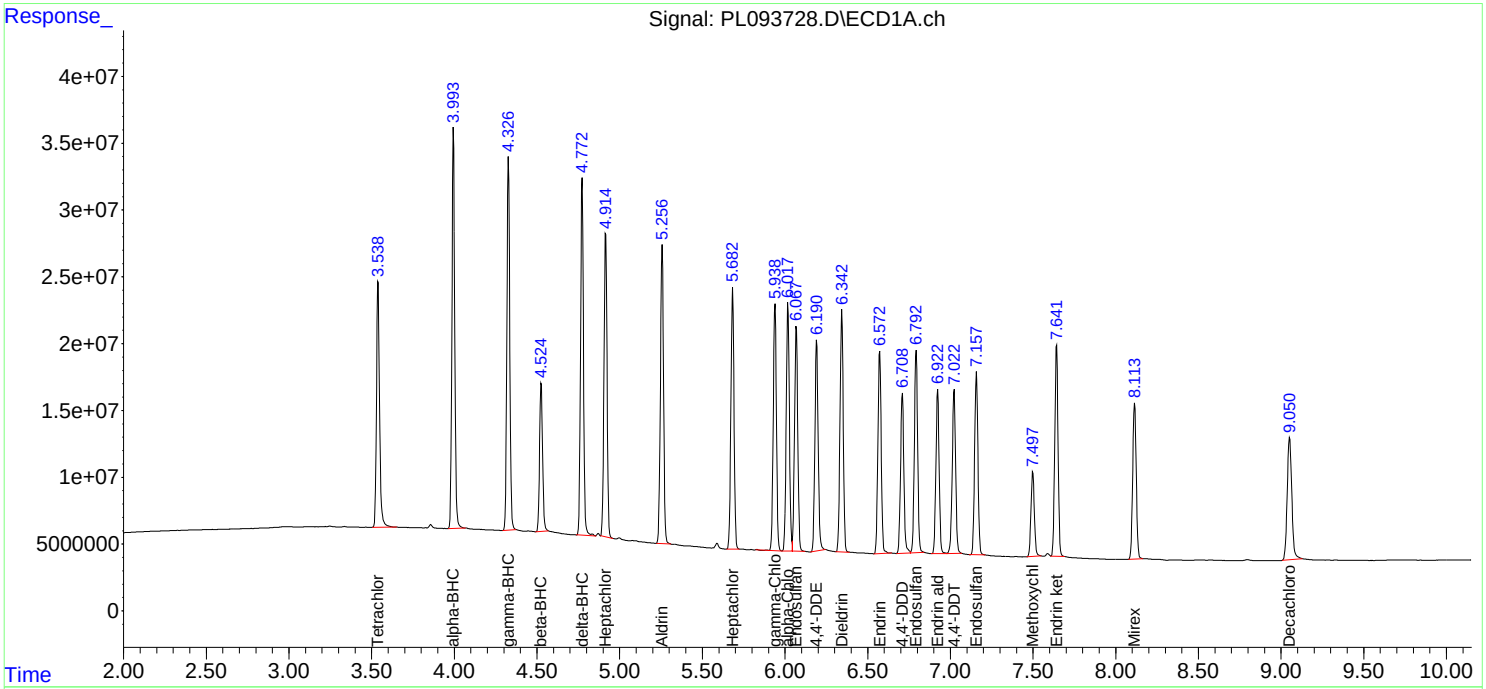
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

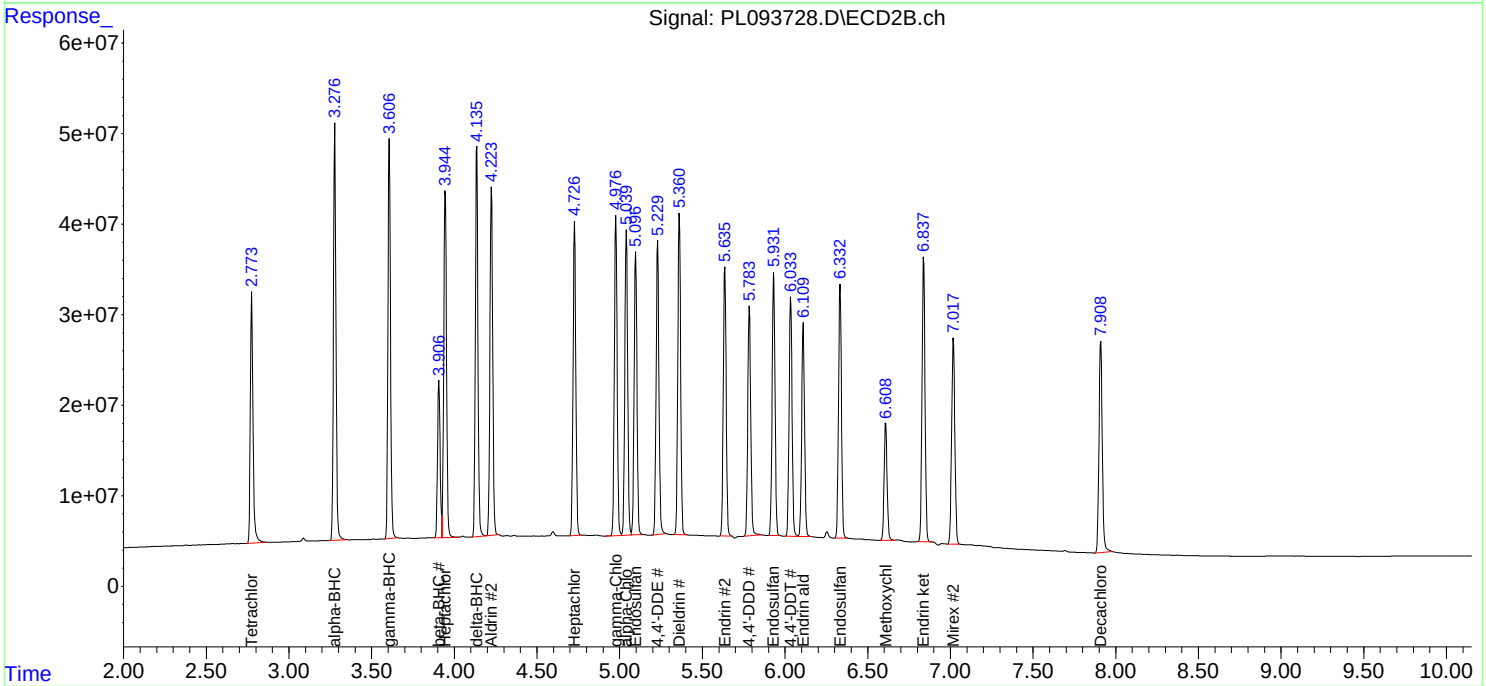
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

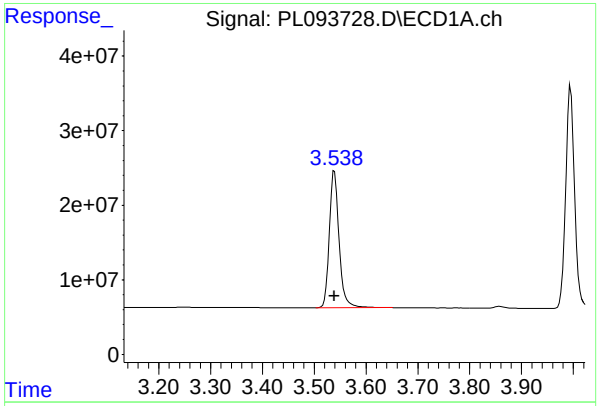
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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

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



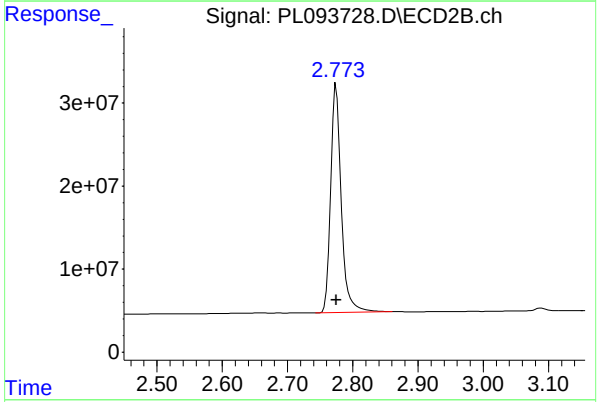




#1 Tetrachloro-m-xylene

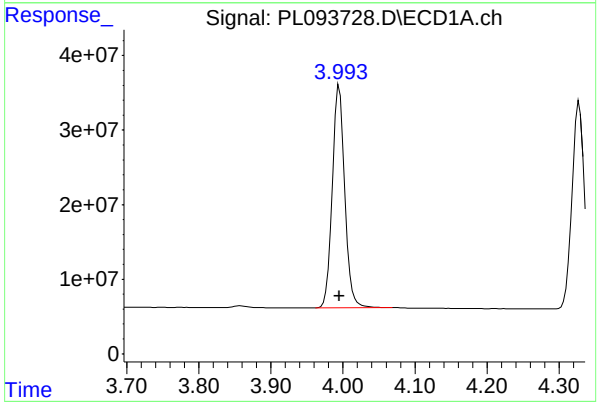
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



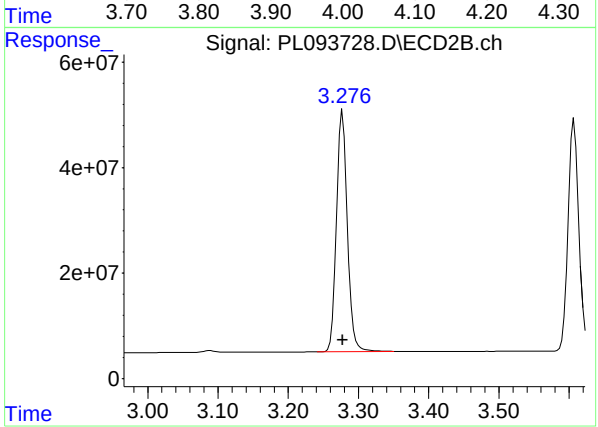
#1 Tetrachloro-m-xylene

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



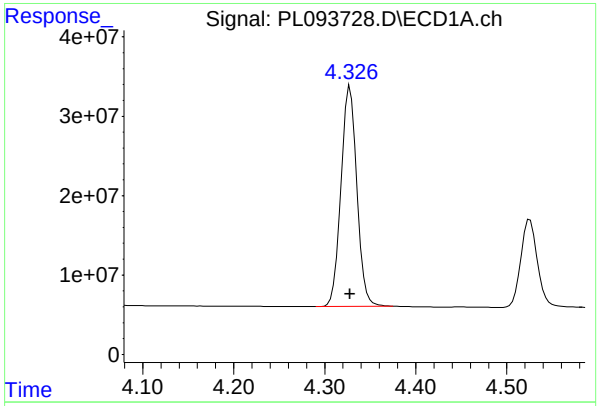
#2 alpha-BHC

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



#2 alpha-BHC

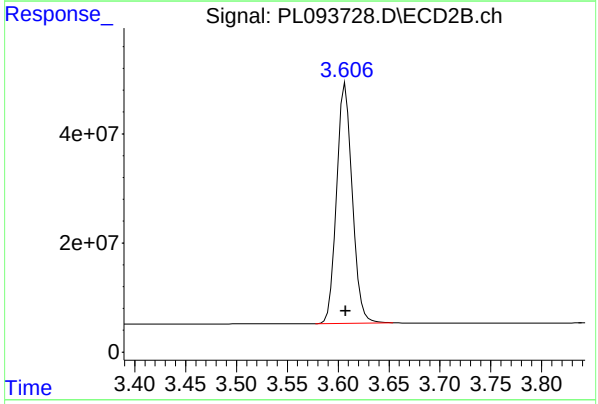
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

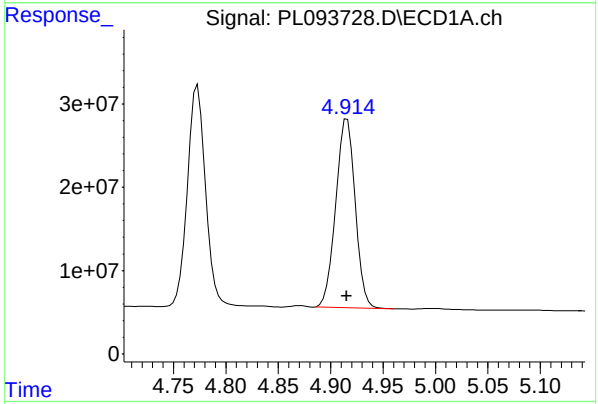
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



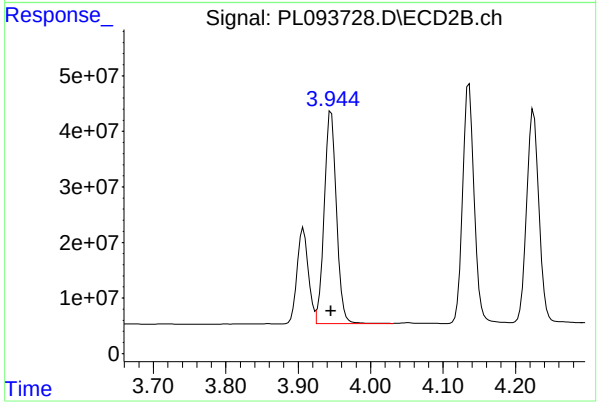
#3 gamma-BHC (Lindane)

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



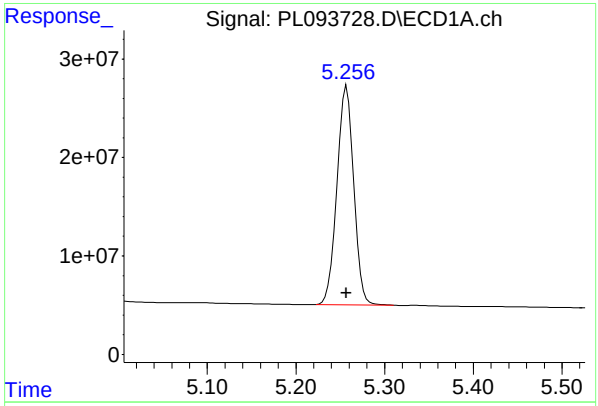
#4 Heptachlor

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



#4 Heptachlor

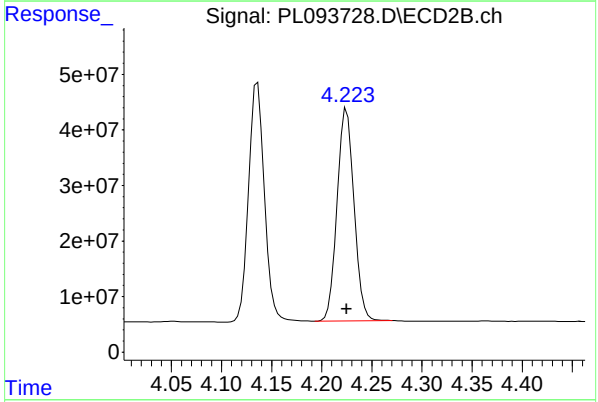
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

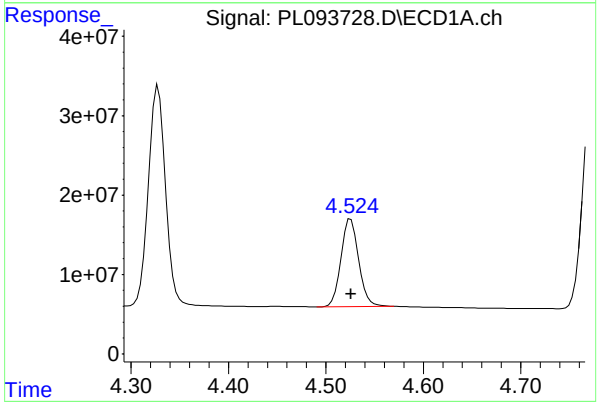
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



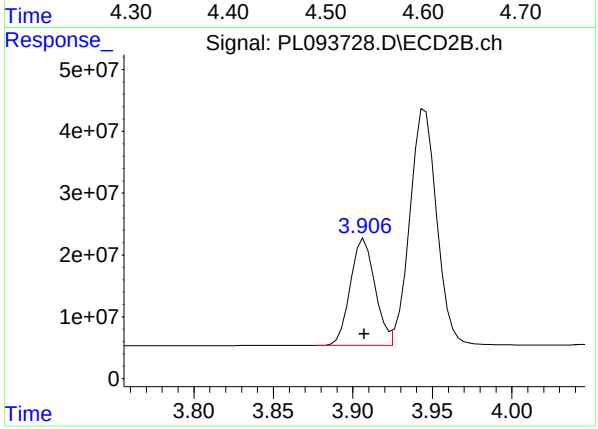
#5 Aldrin

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



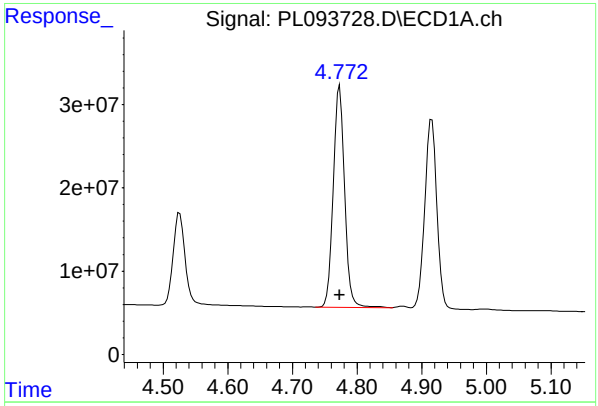
#6 beta-BHC

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



#6 beta-BHC

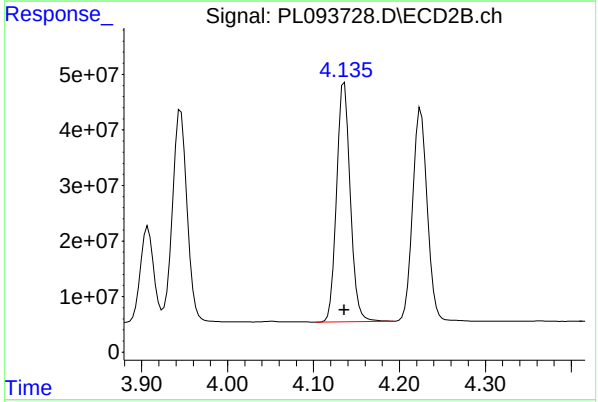
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

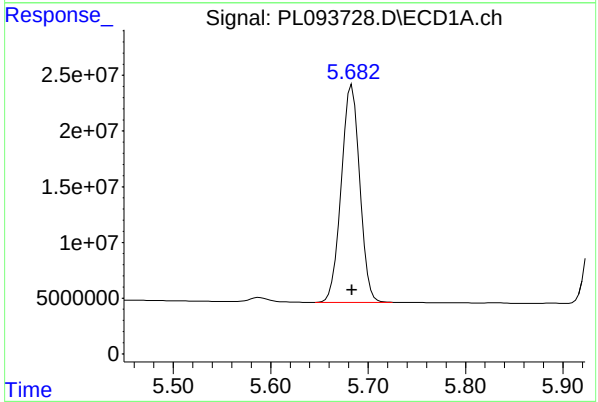
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



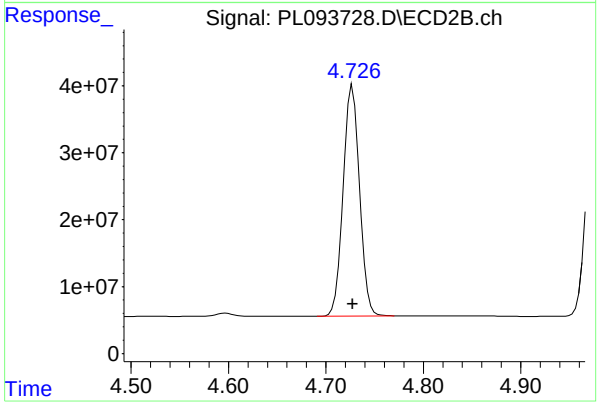
#7 delta-BHC

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



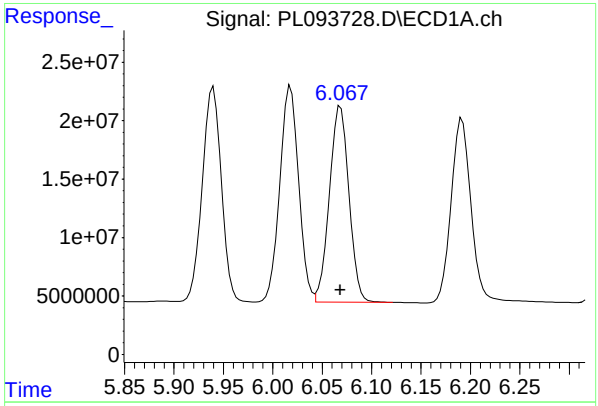
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

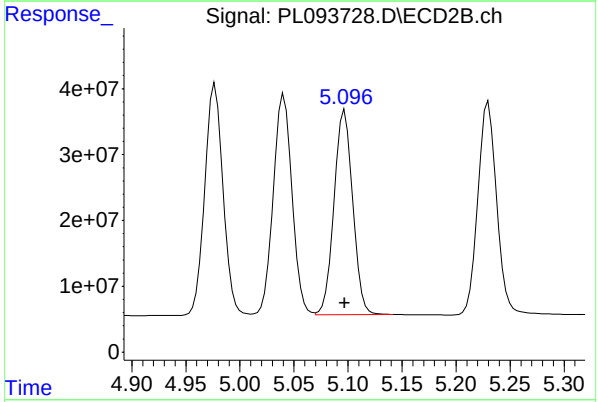
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

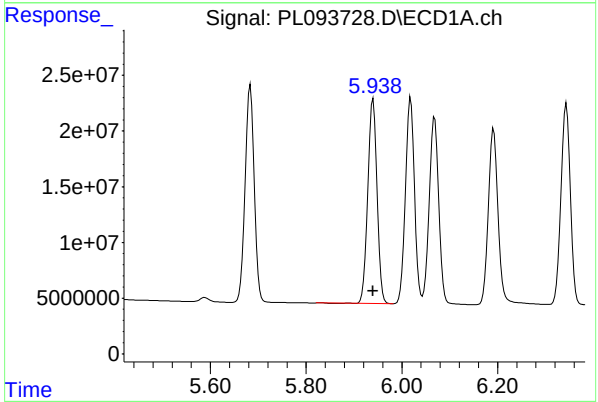
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



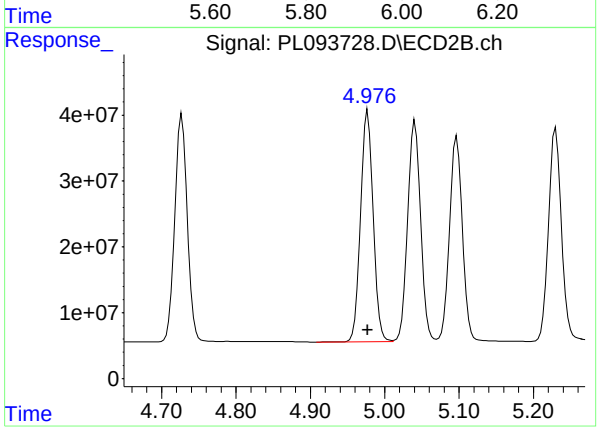
#9 Endosulfan I

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



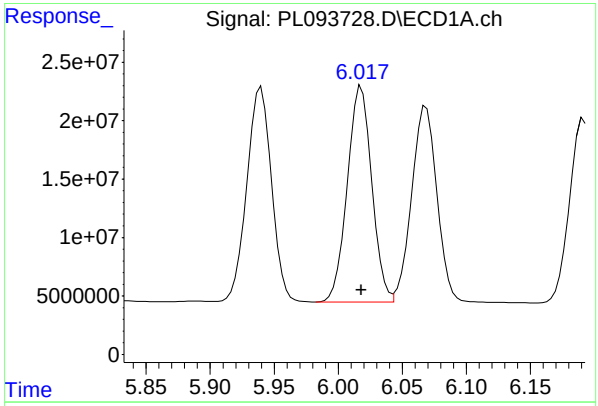
#10 gamma-Chlordane

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



#10 gamma-Chlordane

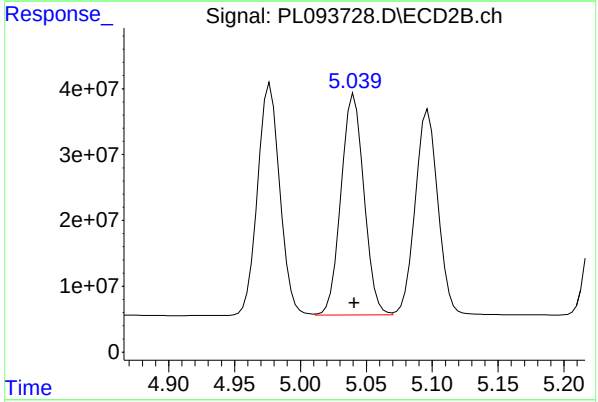
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

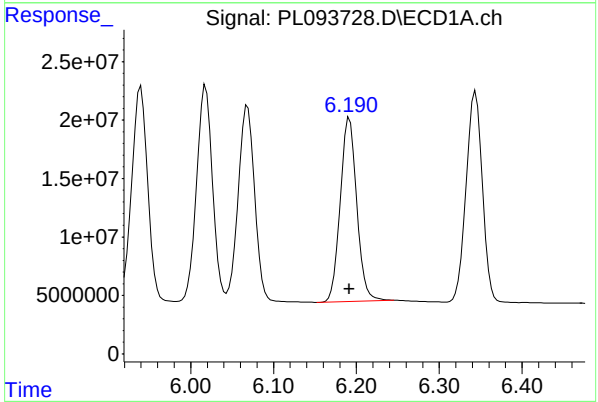
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



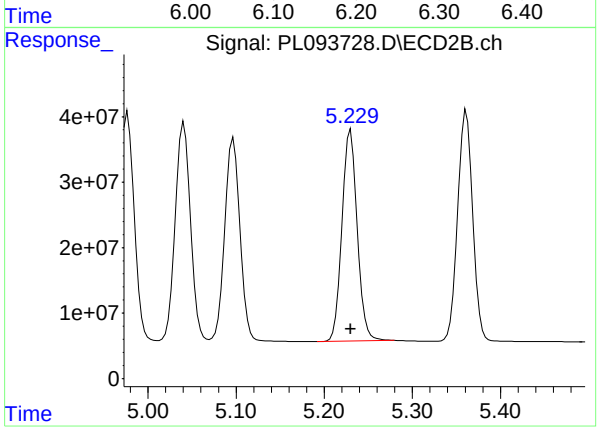
#11 alpha-Chlordane

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



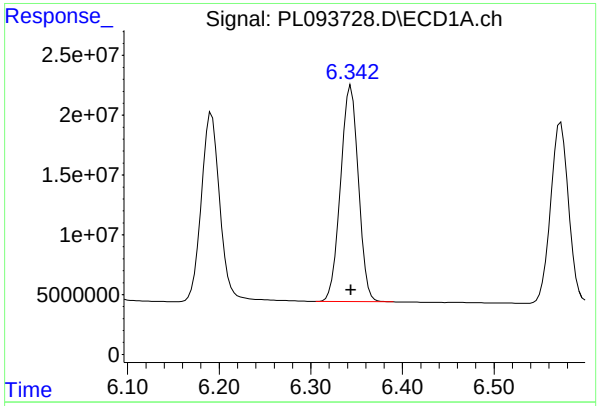
#12 4,4'-DDE

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



#12 4,4'-DDE

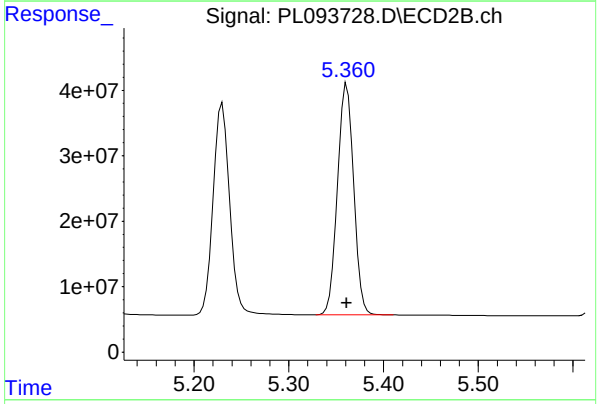
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

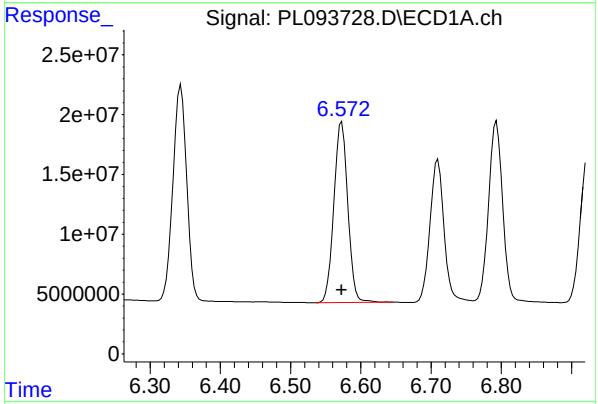
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 245657863
Conc: 93.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



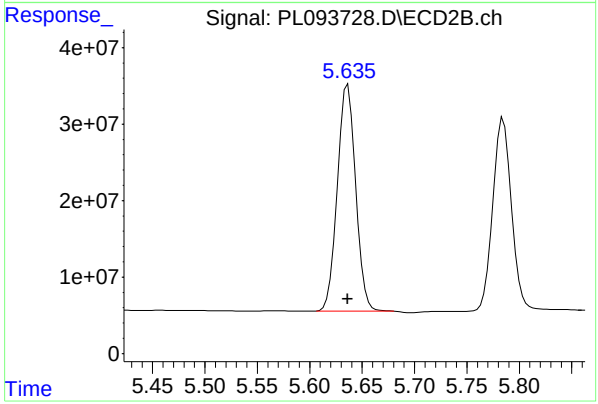
#13 Dieldrin

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



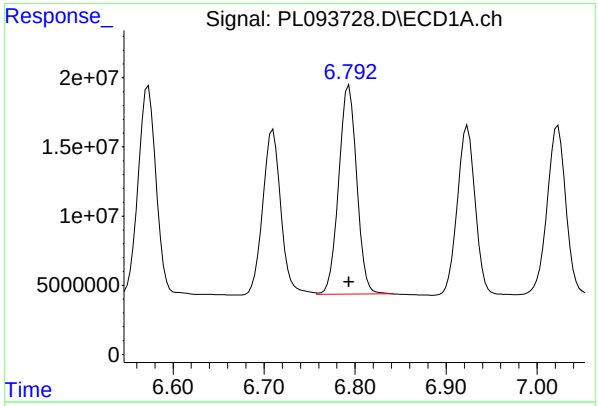
#14 Endrin

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



#14 Endrin

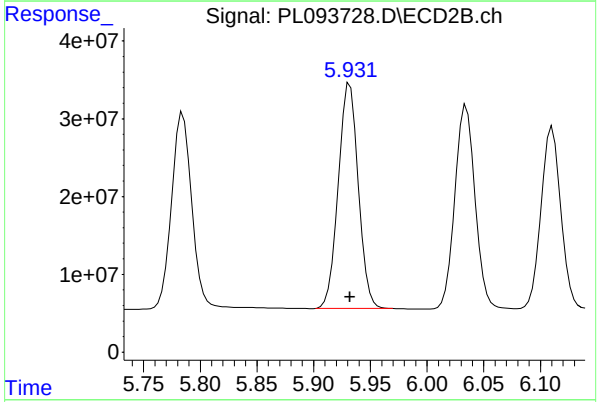
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

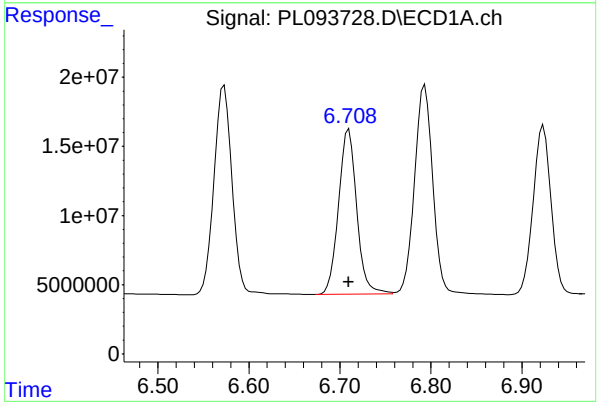
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



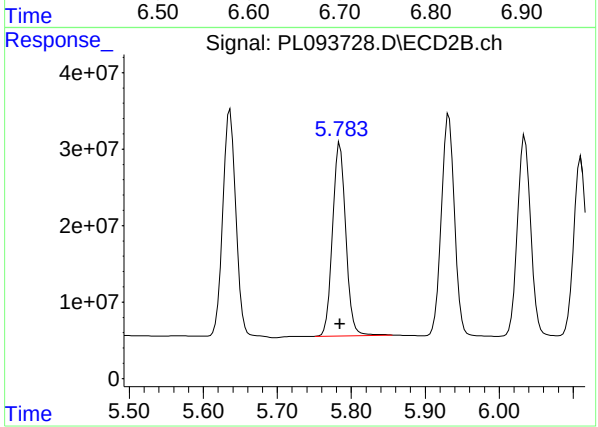
#15 Endosulfan II

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



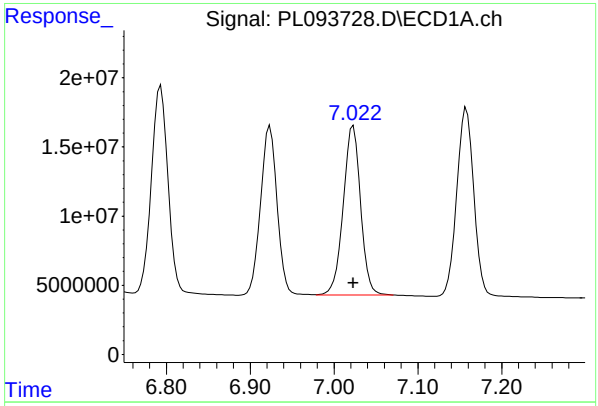
#16 4,4'-DDD

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



#16 4,4'-DDD

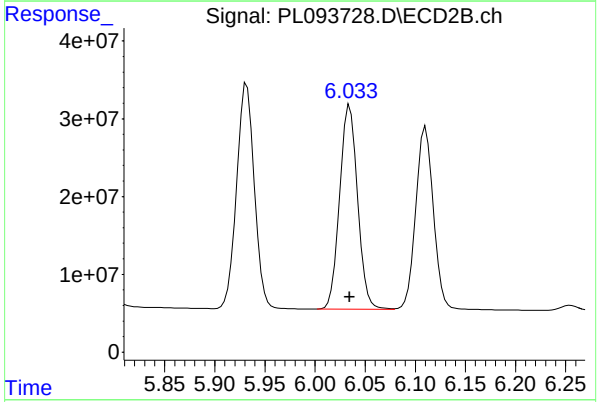
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

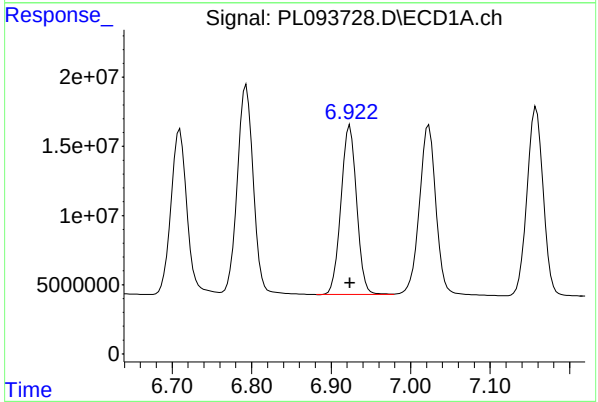
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



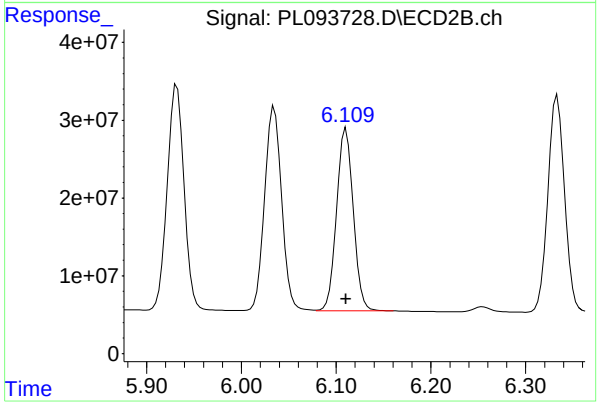
#17 4,4'-DDT

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



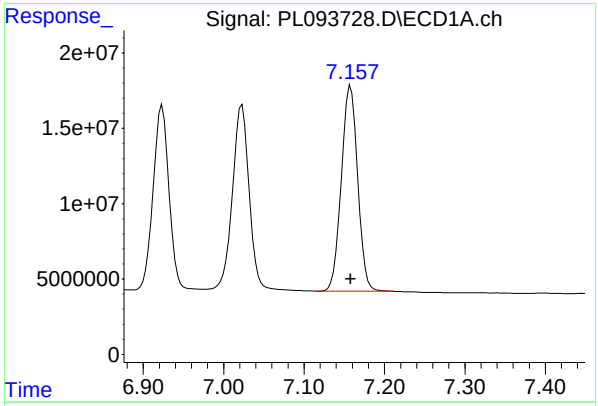
#18 Endrin aldehyde

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



#18 Endrin aldehyde

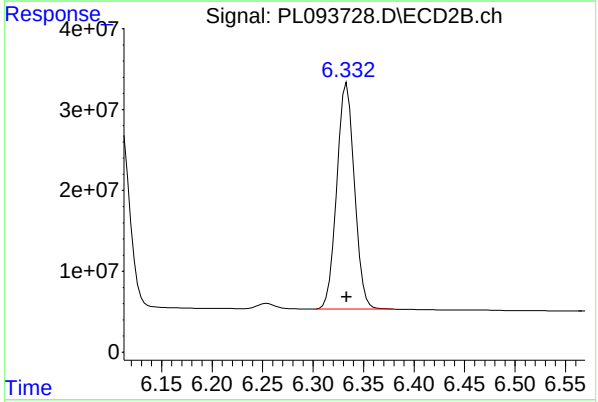
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

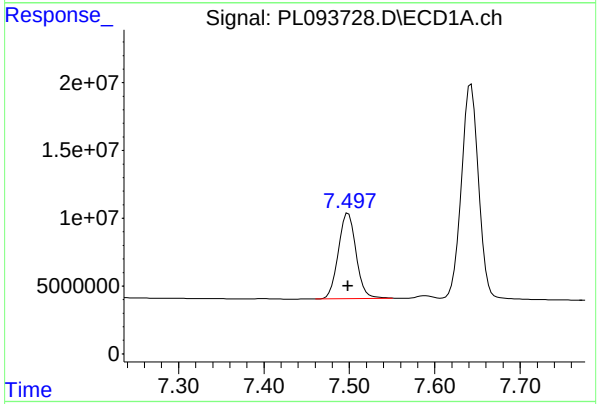
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



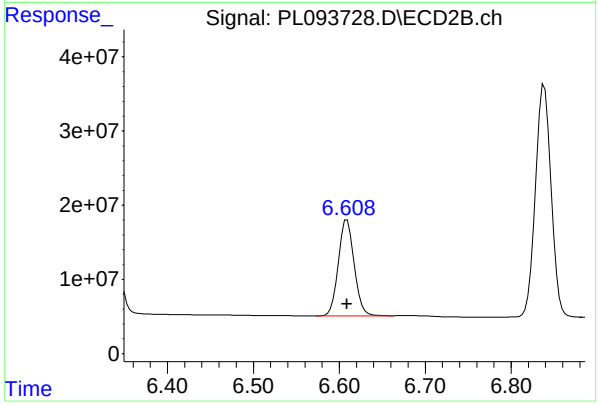
#19 Endosulfan Sulfate

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



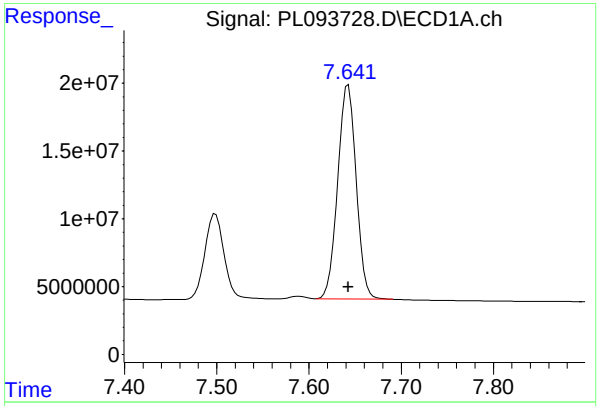
#20 Methoxychlor

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



#20 Methoxychlor

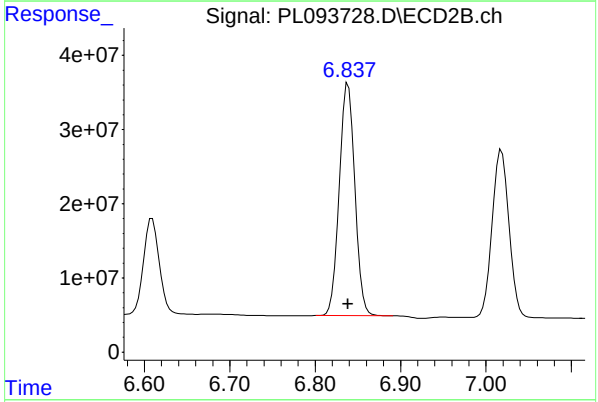
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

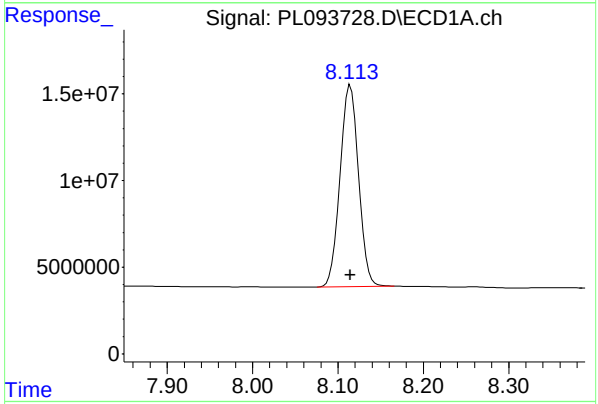
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



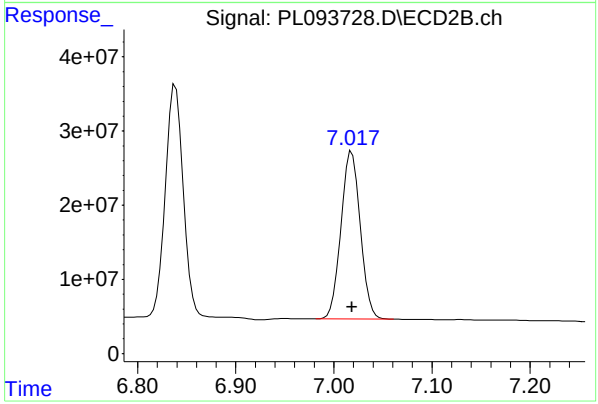
#21 Endrin ketone

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



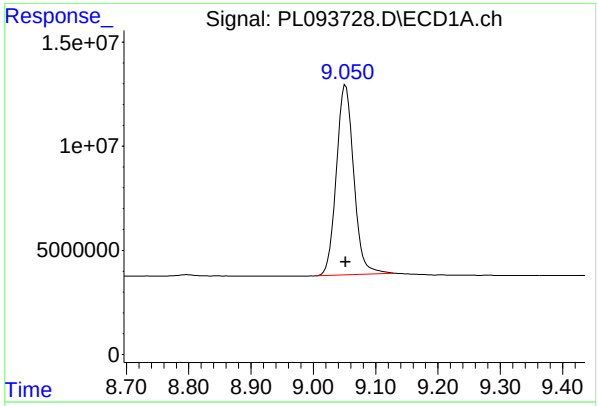
#22 Mirex

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



#22 Mirex

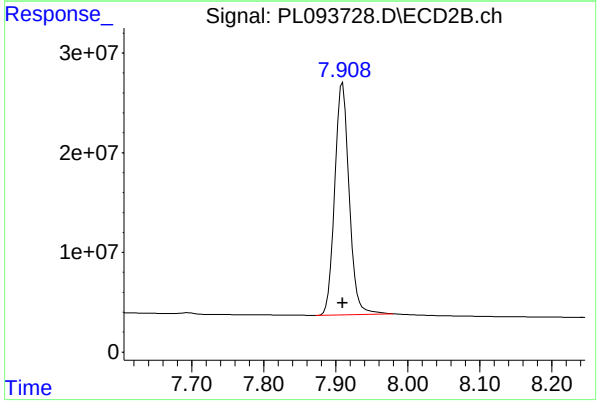
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 309908166
Conc: 94.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 176847808
Conc: 91.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 322668553
Conc: 94.16 ng/ml

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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

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

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

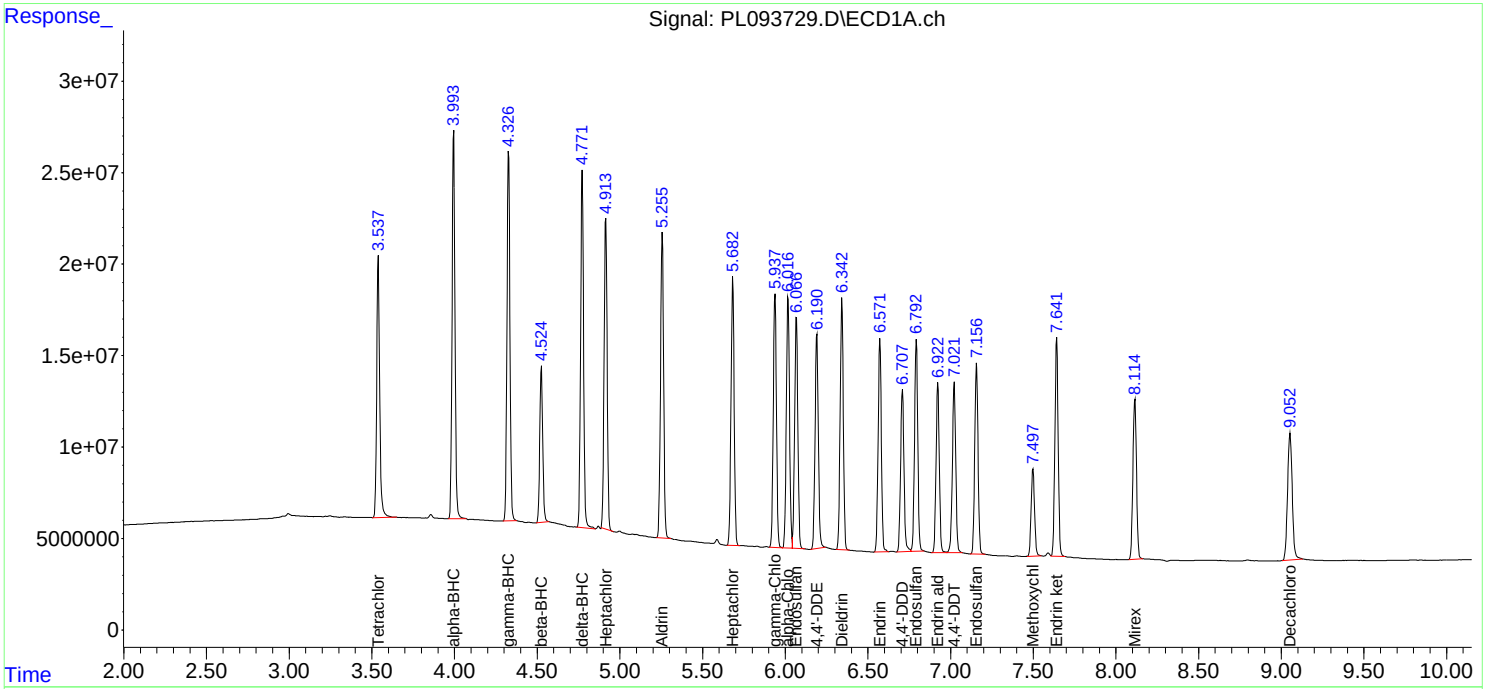
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

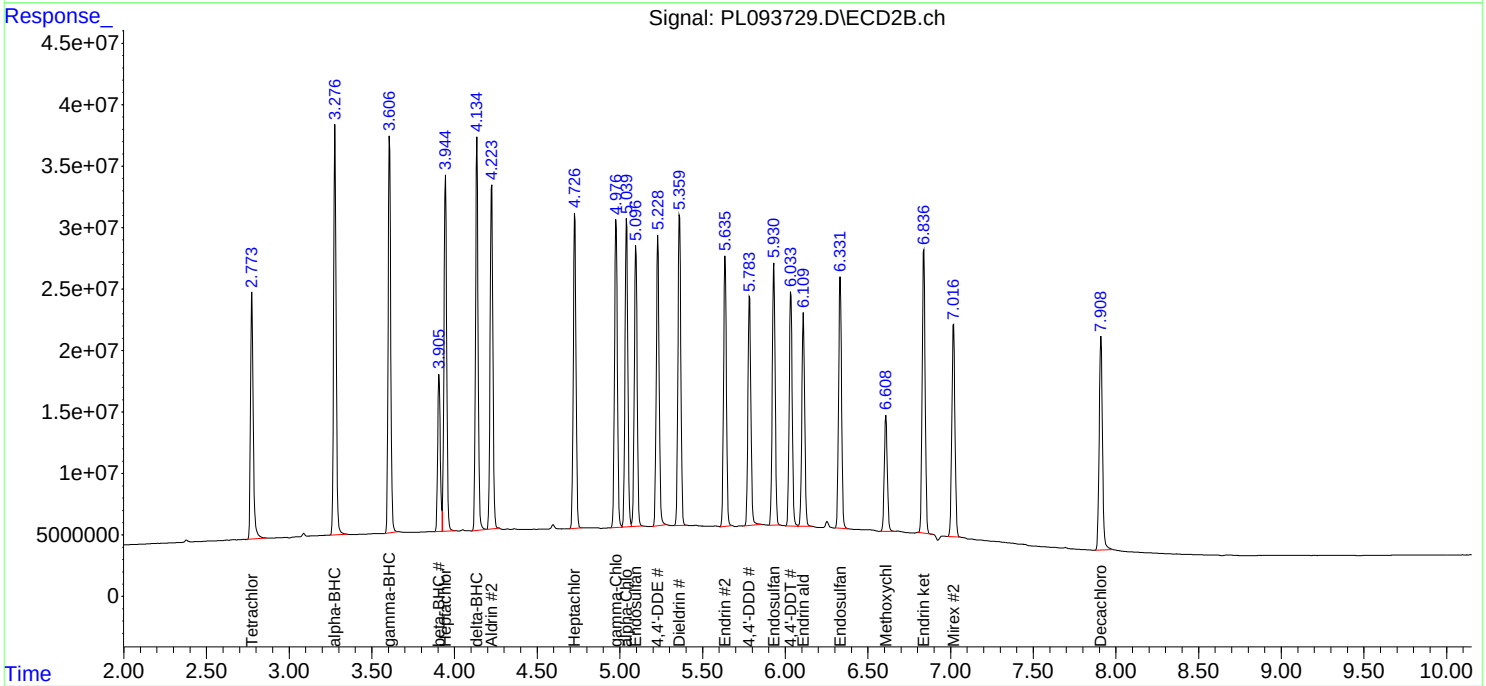
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

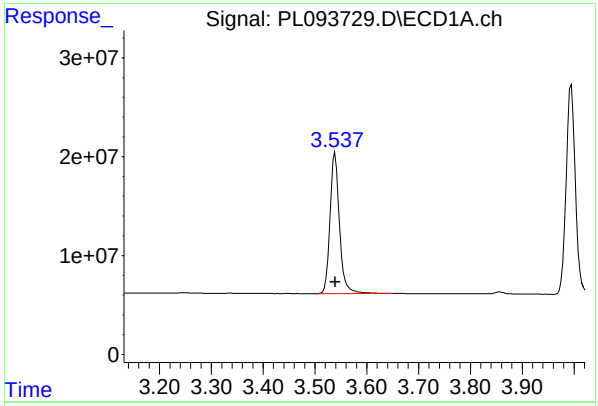
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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

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



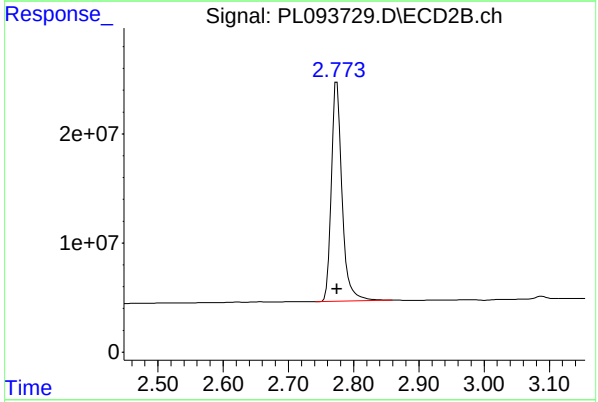




#1 Tetrachloro-m-xylene

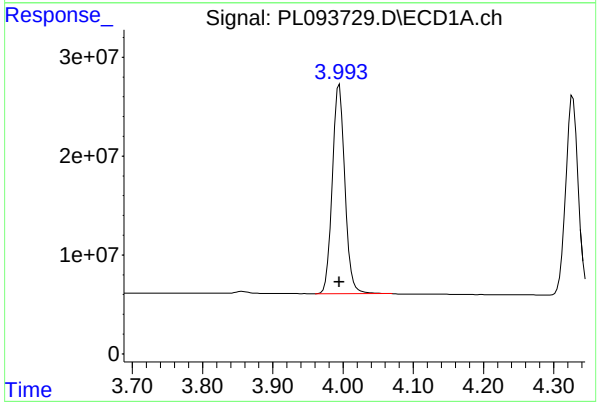
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



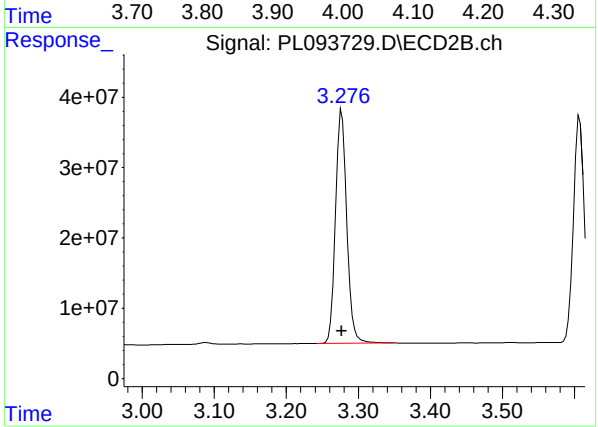
#1 Tetrachloro-m-xylene

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



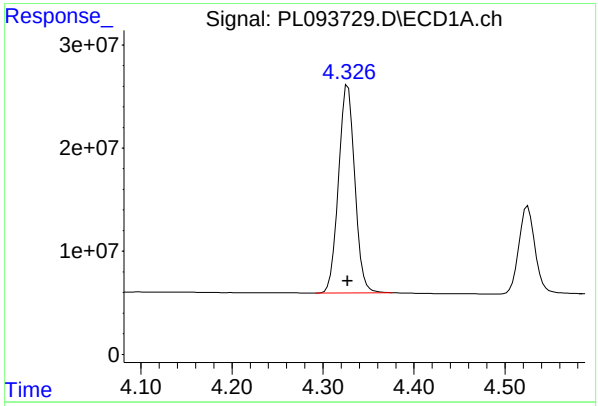
#2 alpha-BHC

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



#2 alpha-BHC

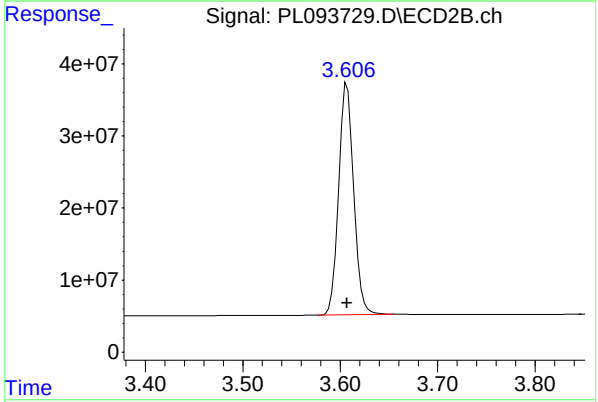
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

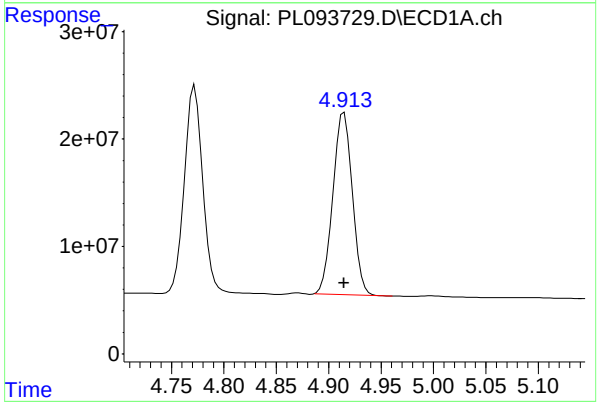
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



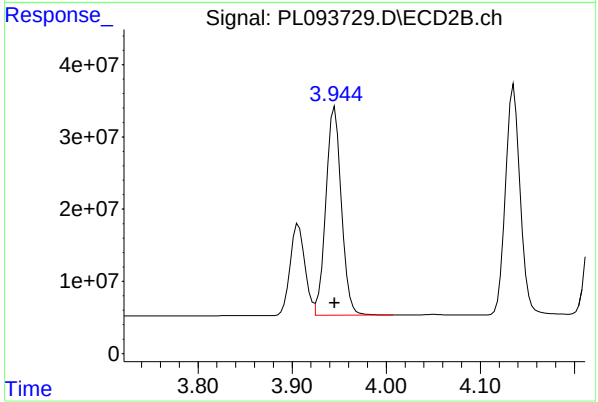
#3 gamma-BHC (Lindane)

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



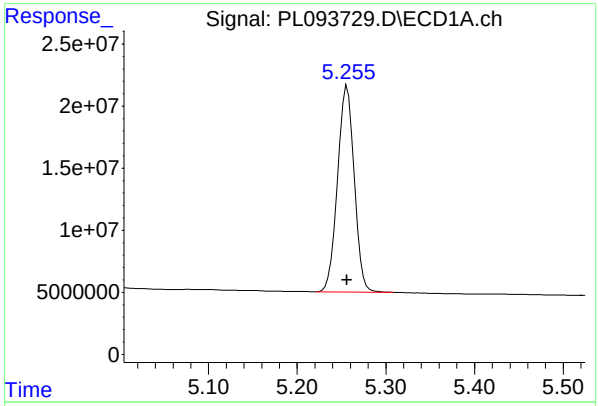
#4 Heptachlor

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



#4 Heptachlor

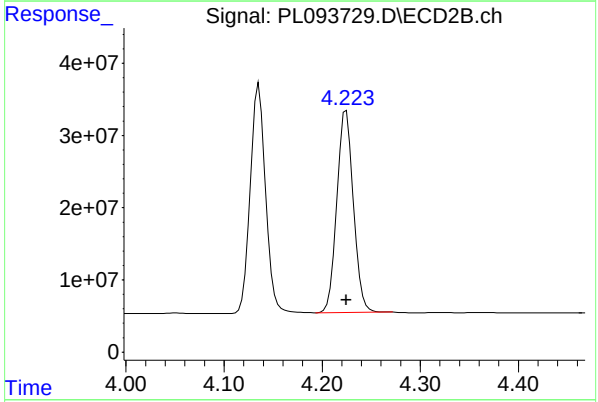
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

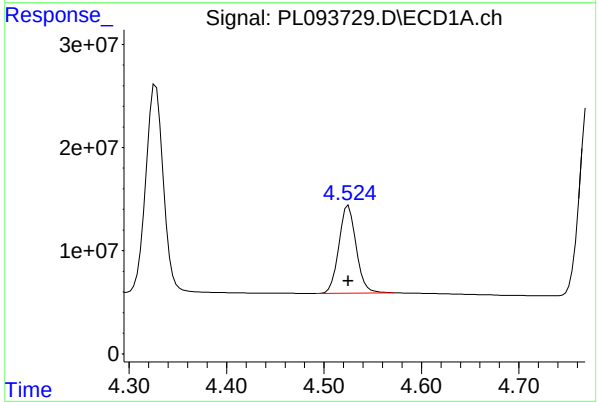
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



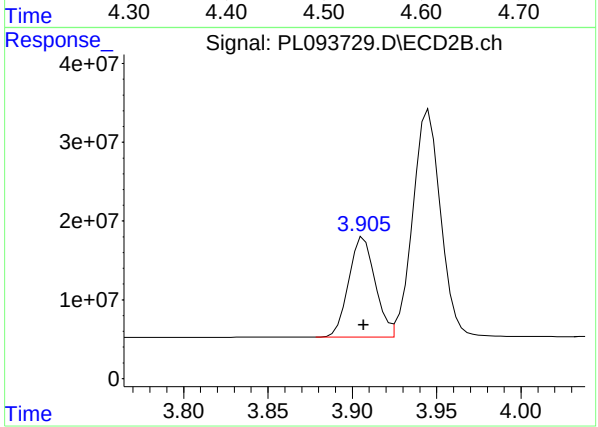
#5 Aldrin

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



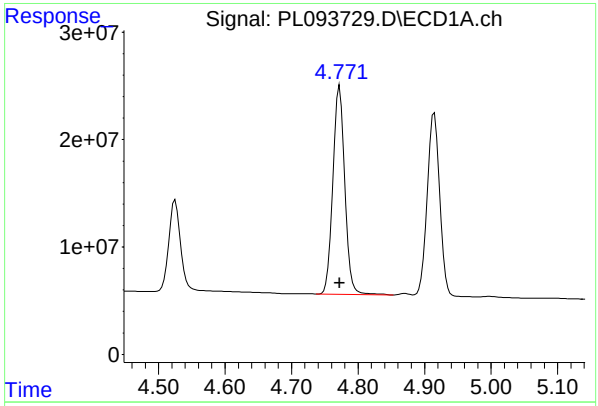
#6 beta-BHC

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



#6 beta-BHC

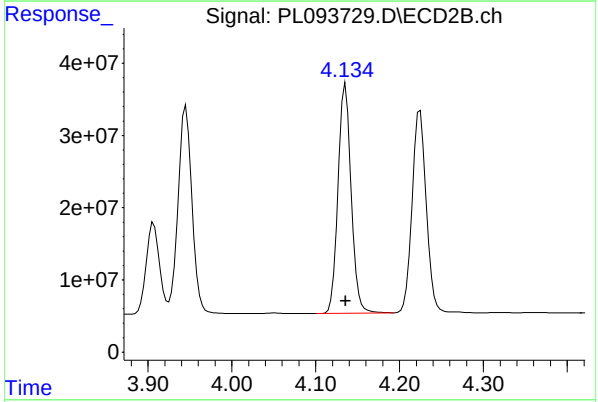
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

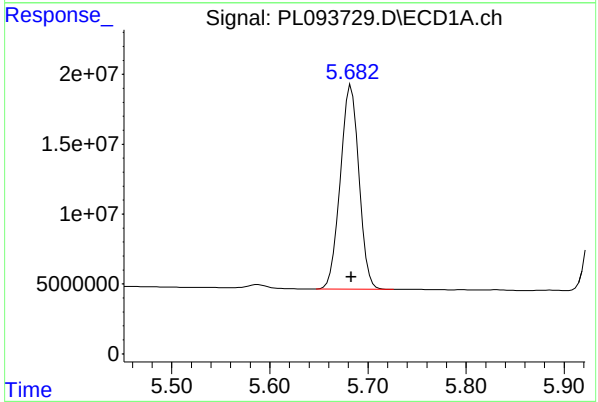
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



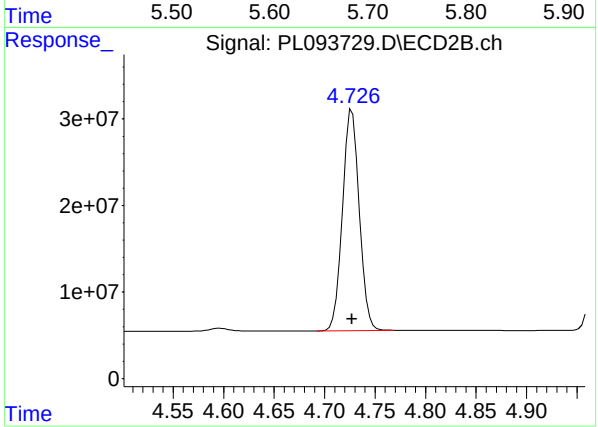
#7 delta-BHC

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



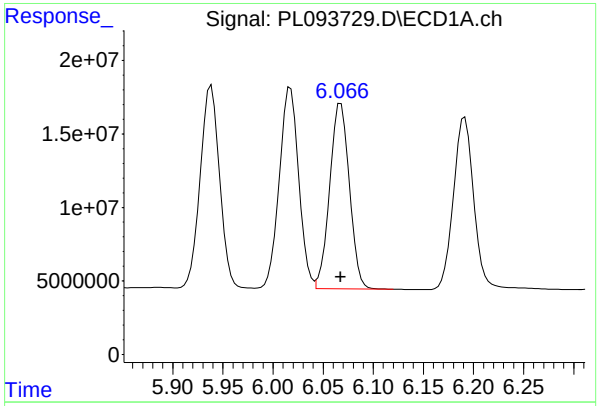
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

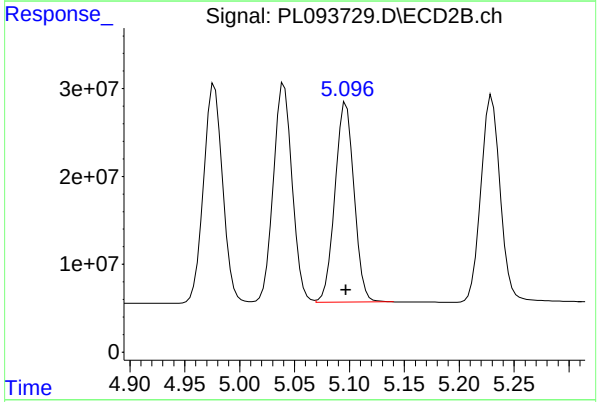
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

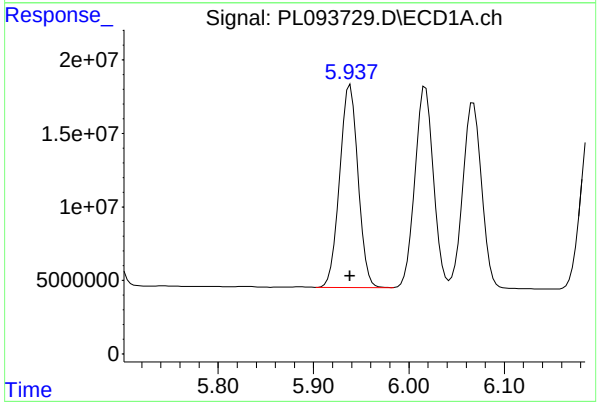
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



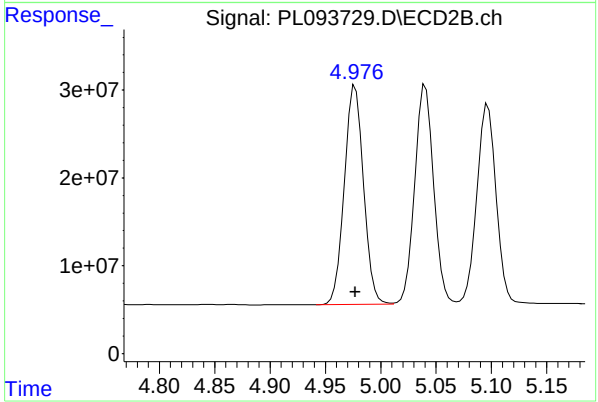
#9 Endosulfan I

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



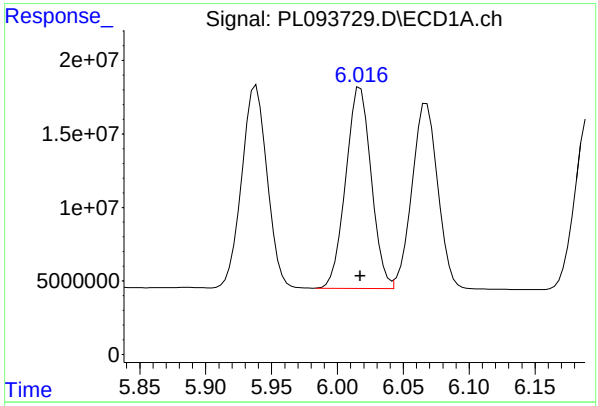
#10 gamma-Chlordane

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



#10 gamma-Chlordane

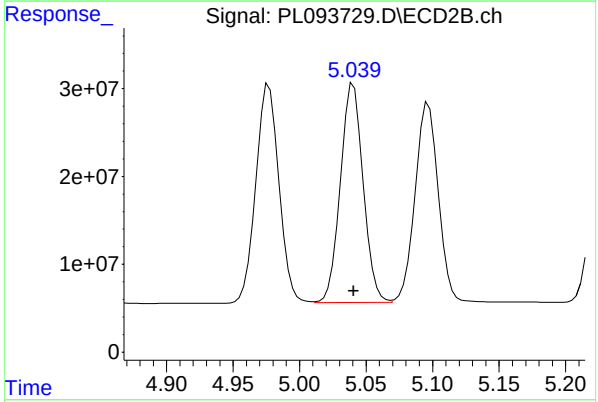
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

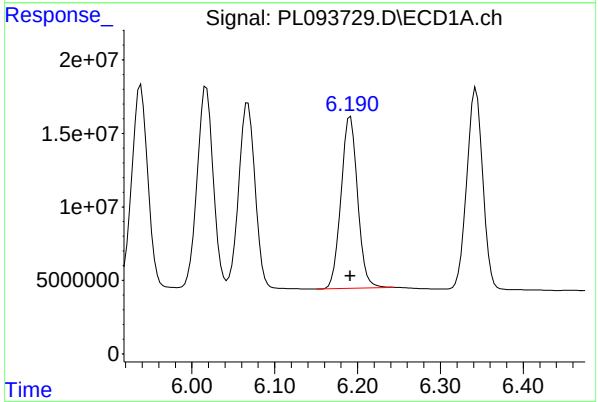
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



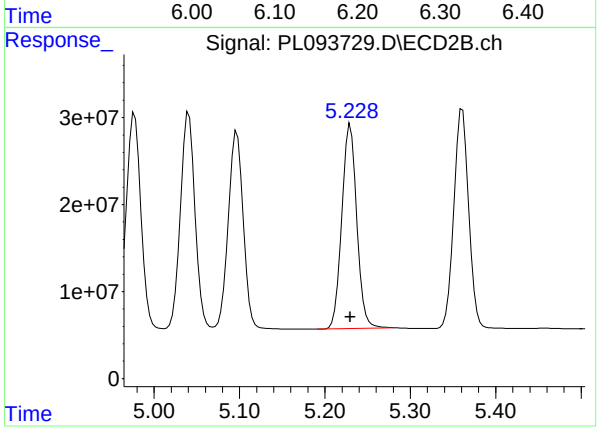
#11 alpha-Chlordane

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



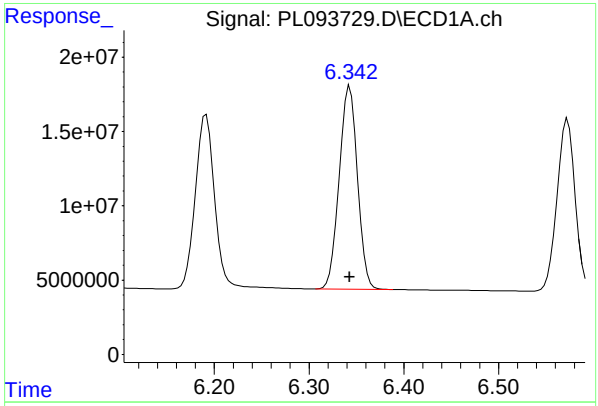
#12 4,4'-DDE

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



#12 4,4'-DDE

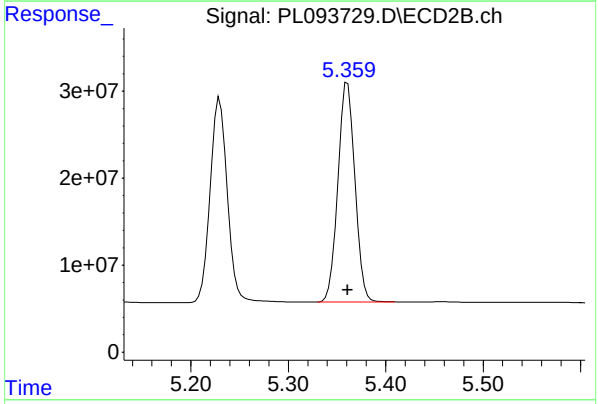
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

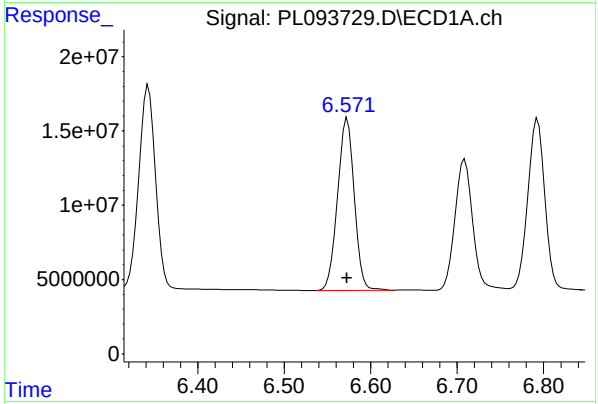
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



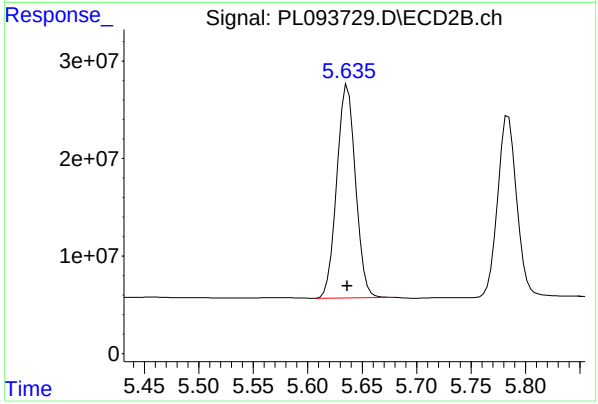
#13 Dieldrin

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



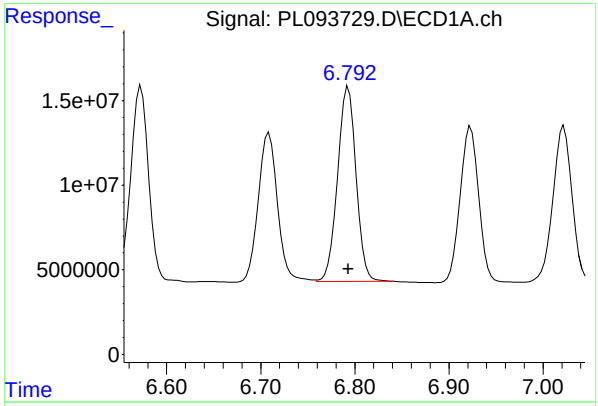
#14 Endrin

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



#14 Endrin

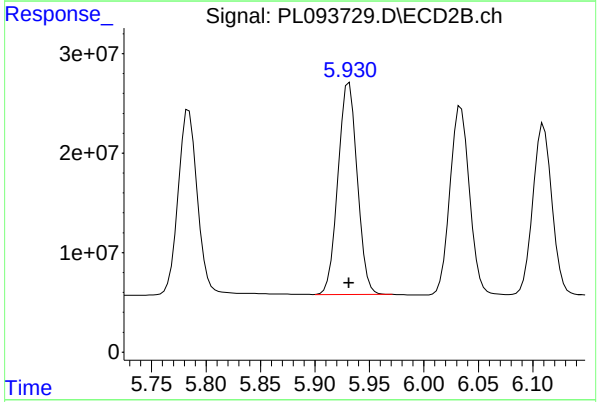
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

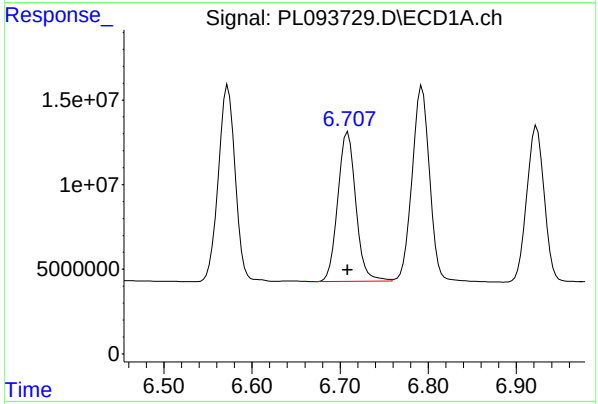
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



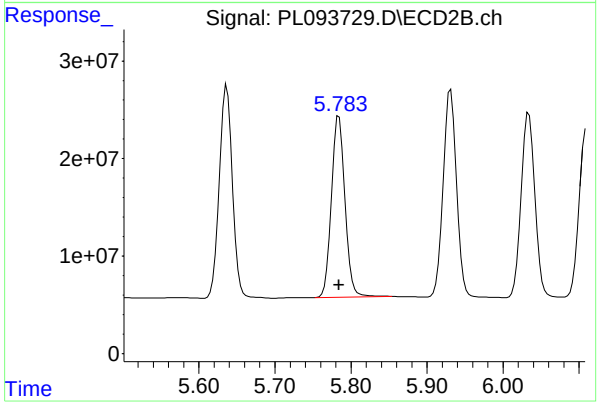
#15 Endosulfan II

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



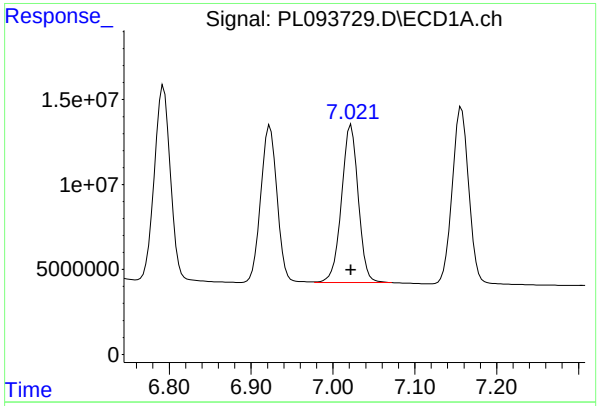
#16 4,4'-DDD

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



#16 4,4'-DDD

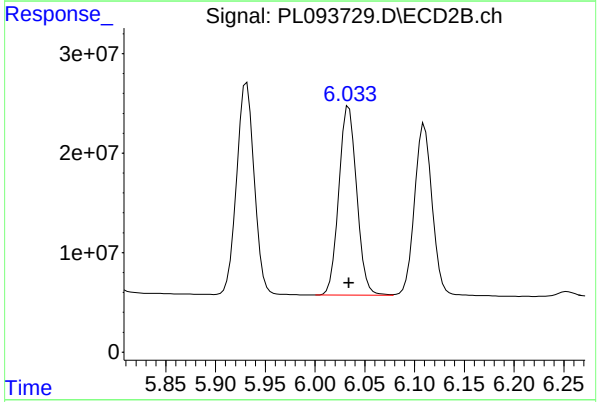
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

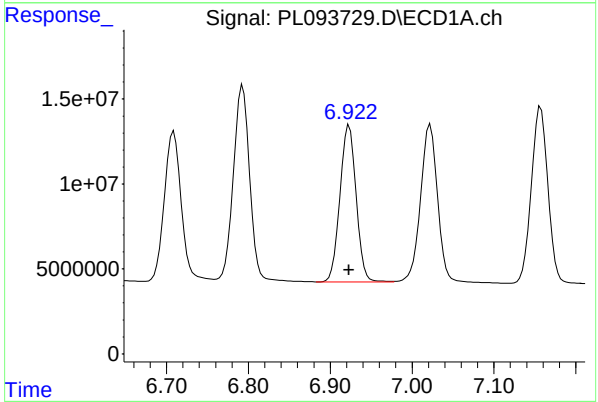
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



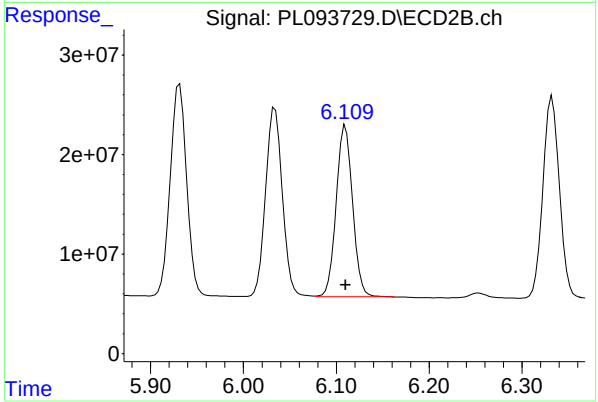
#17 4,4'-DDT

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



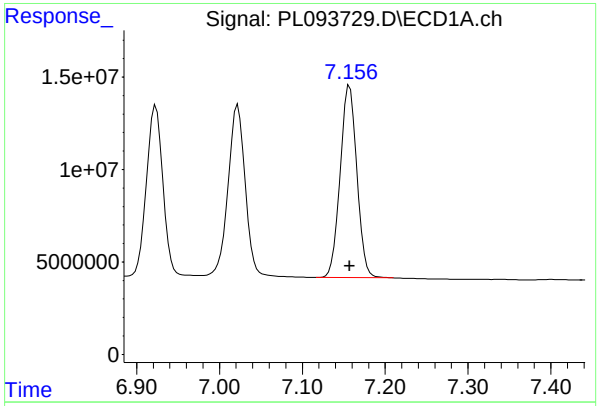
#18 Endrin aldehyde

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



#18 Endrin aldehyde

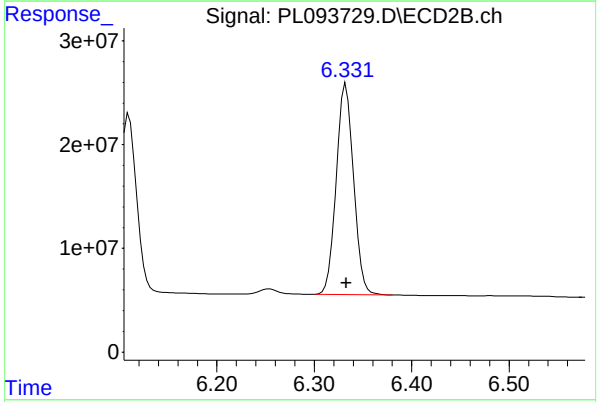
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

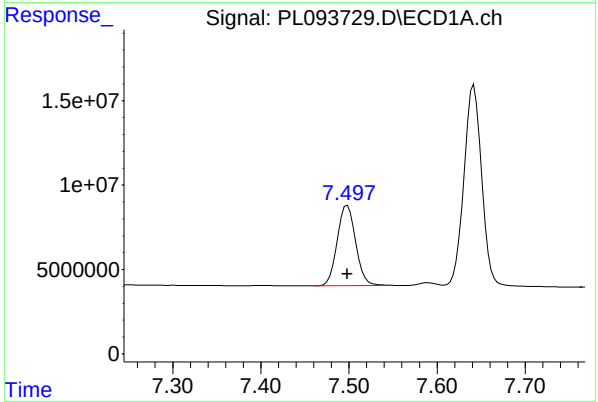
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



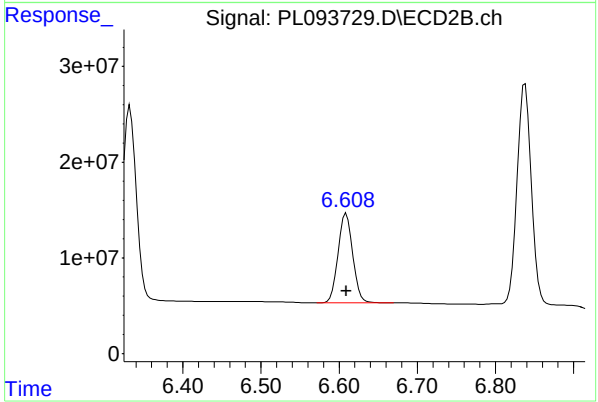
#19 Endosulfan Sulfate

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



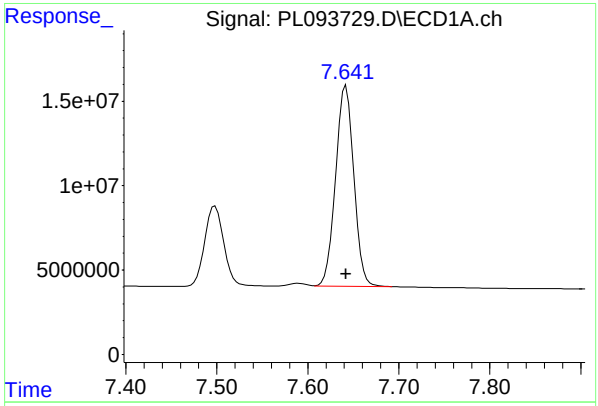
#20 Methoxychlor

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



#20 Methoxychlor

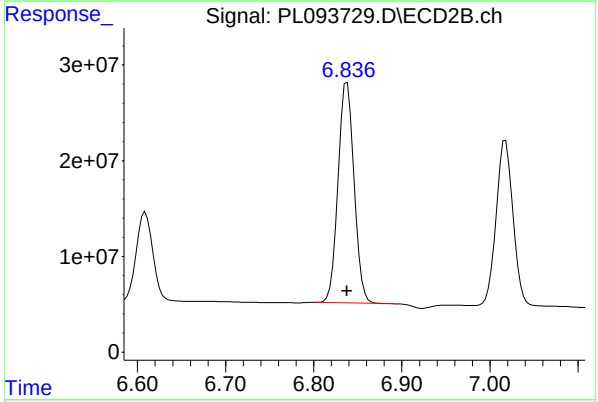
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

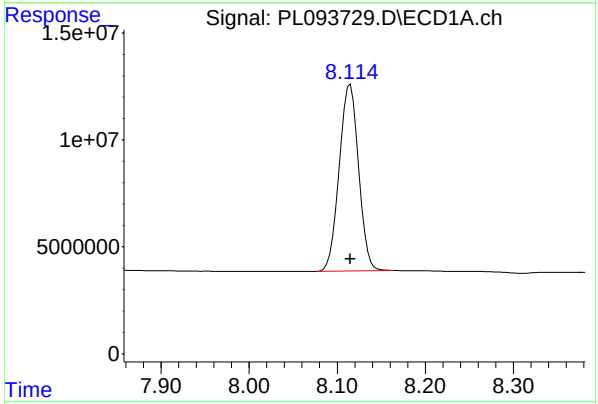
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



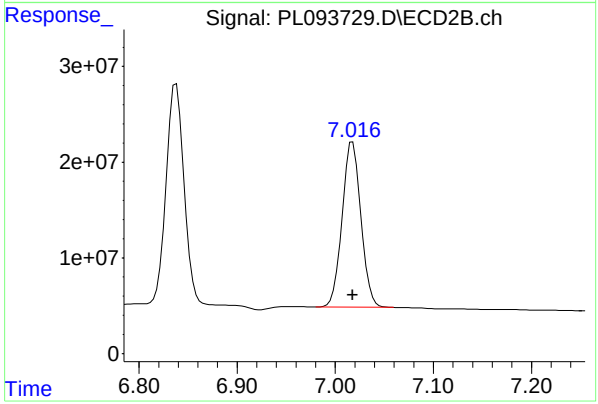
#21 Endrin ketone

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



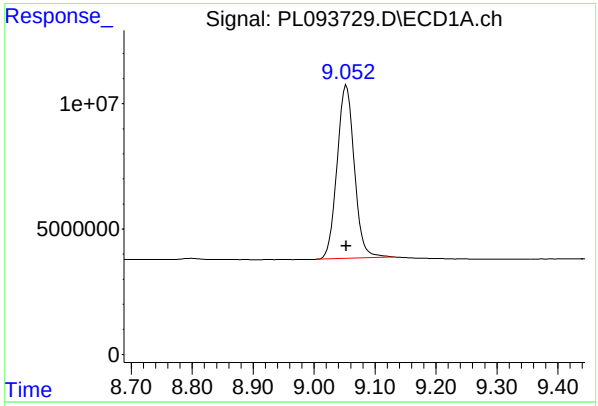
#22 Mirex

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



#22 Mirex

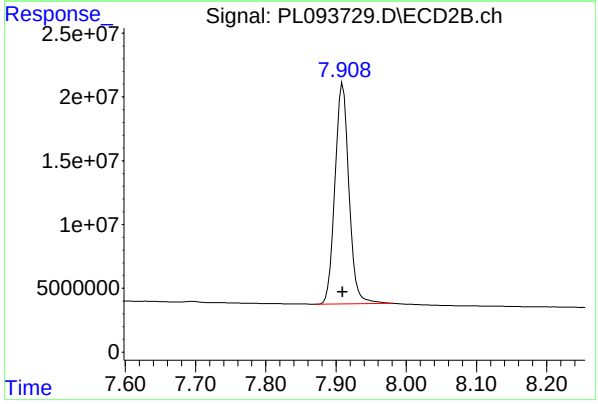
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 229698971
Conc: 71.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 136236362
Conc: 71.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 239534634
Conc: 71.52 ng/ml

Quantitation Report (QT Reviewed)

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

Instrument : ECD_L
ClientSampleId : PSTDICC050

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

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

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

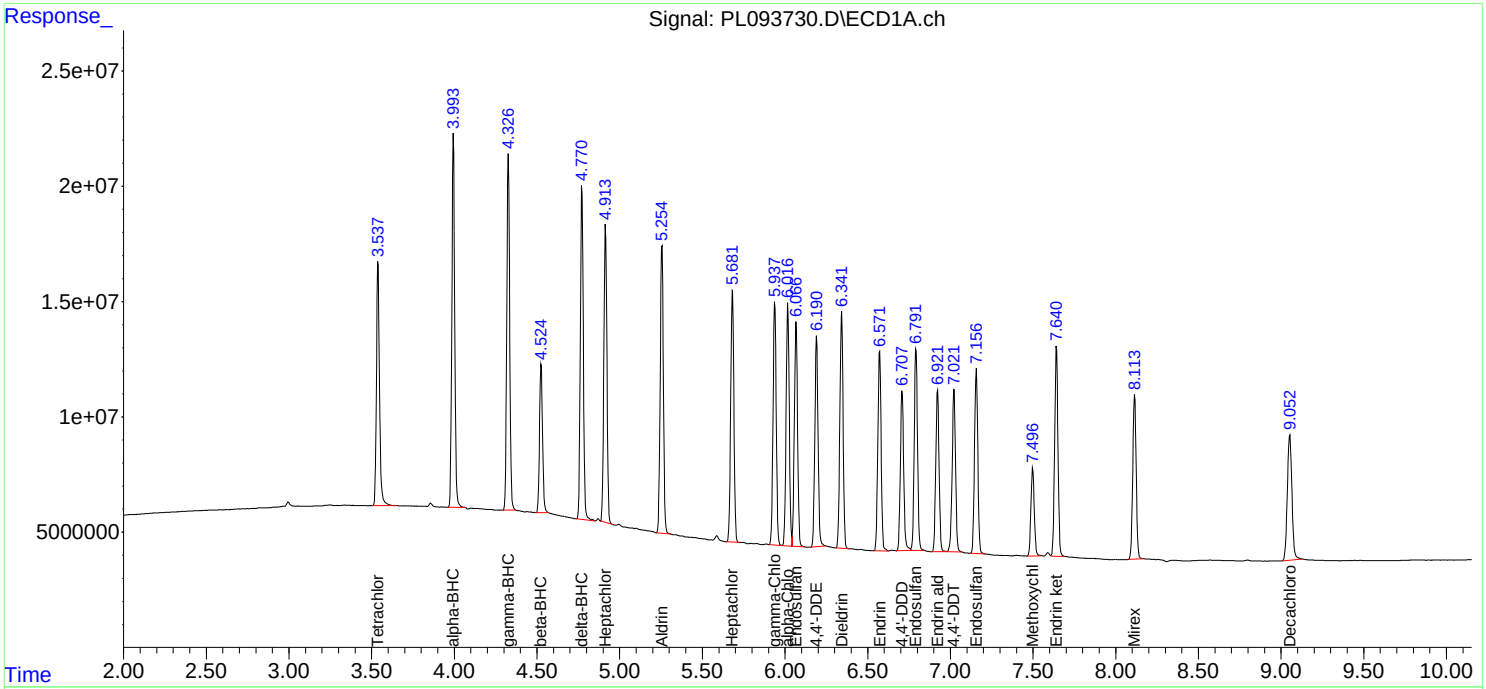
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

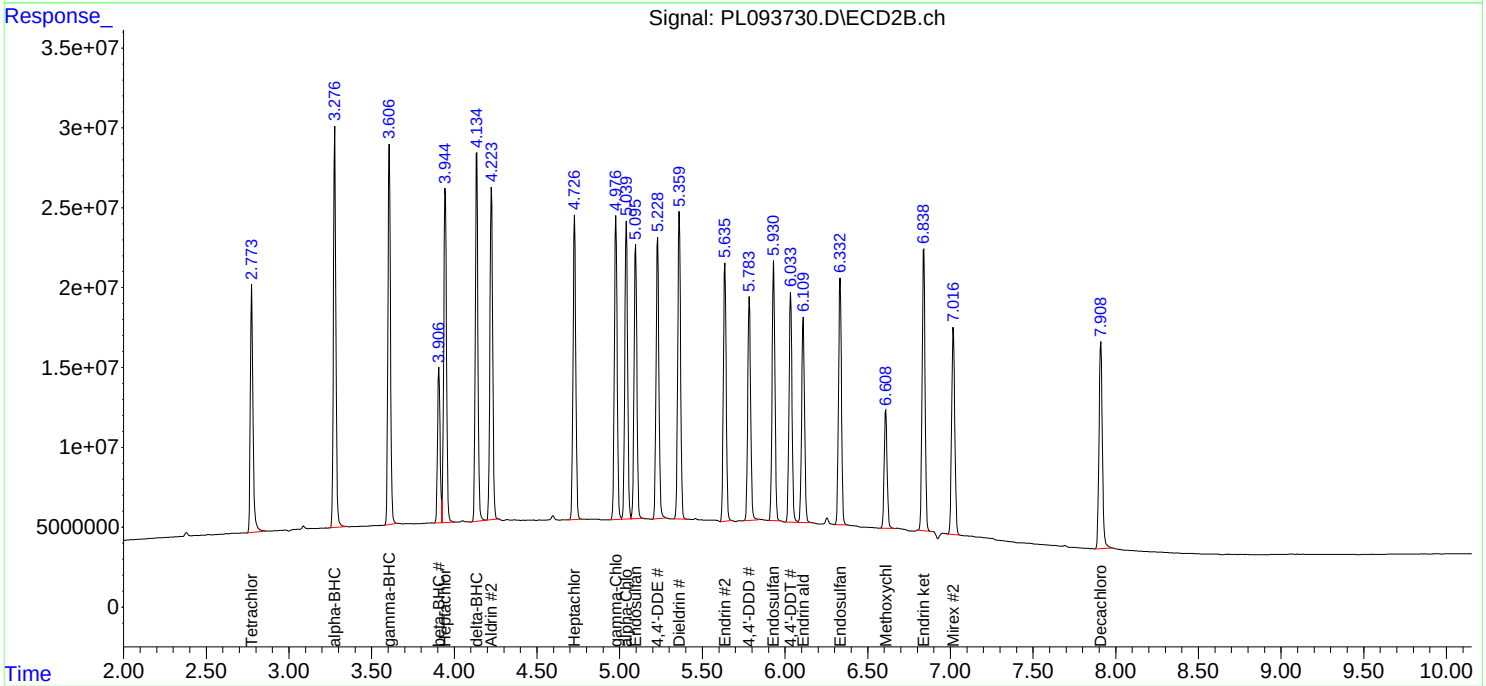
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

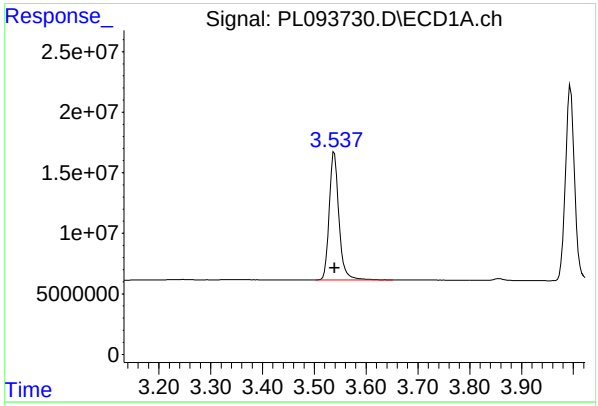
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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

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



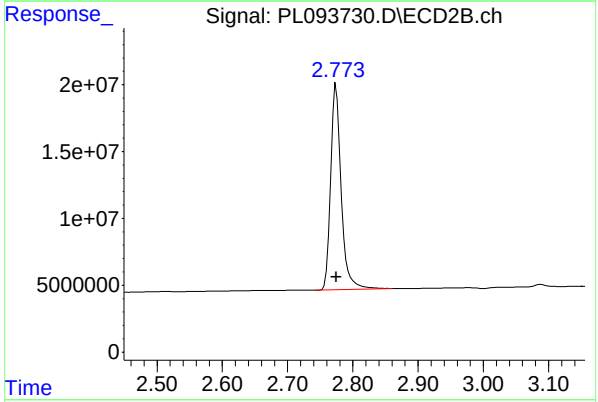




#1 Tetrachloro-m-xylene

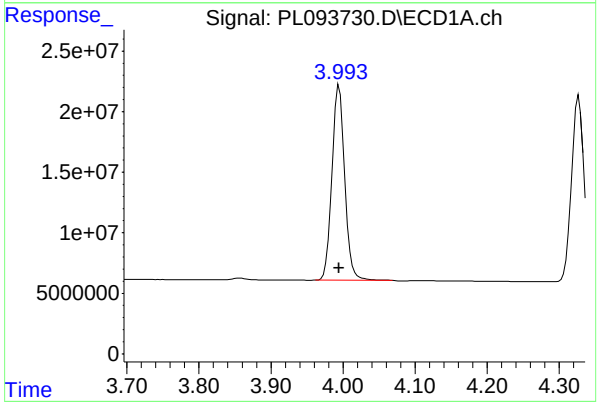
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



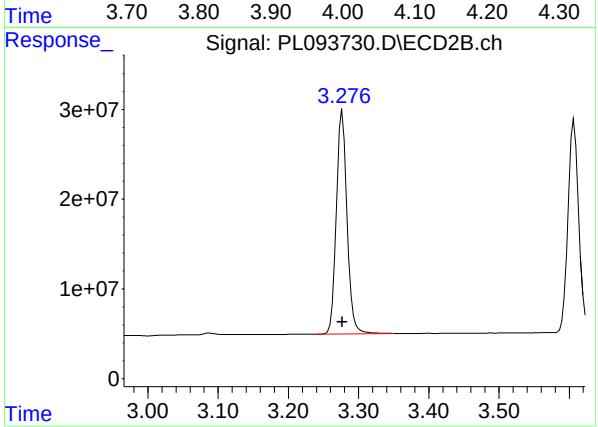
#1 Tetrachloro-m-xylene

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



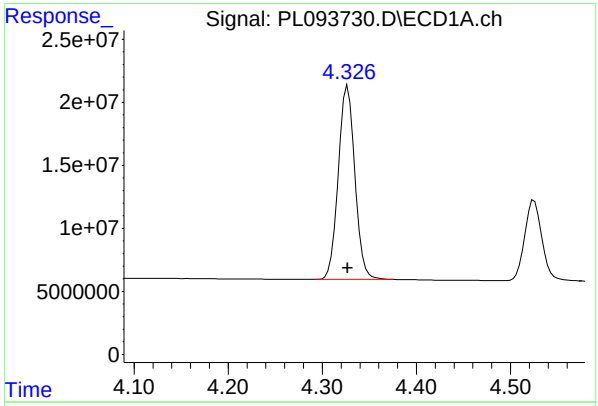
#2 alpha-BHC

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



#2 alpha-BHC

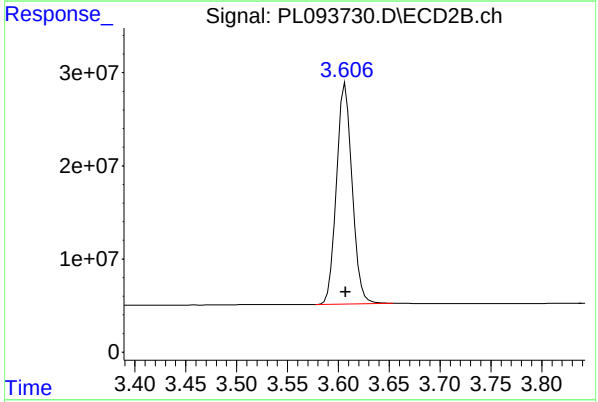
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

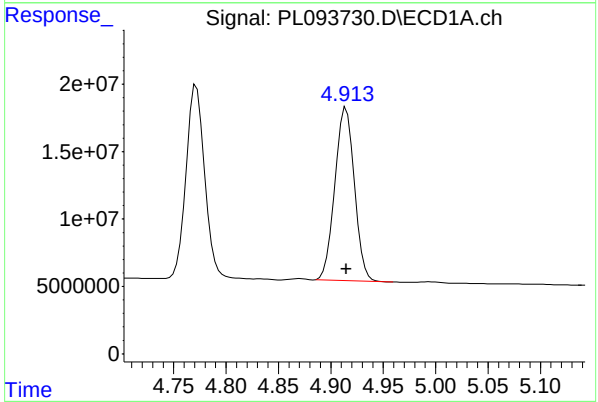
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



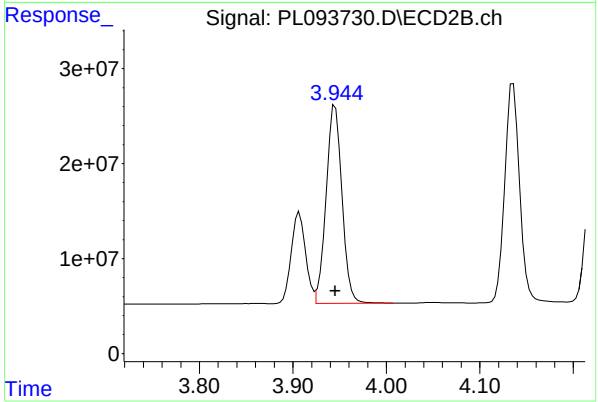
#3 gamma-BHC (Lindane)

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



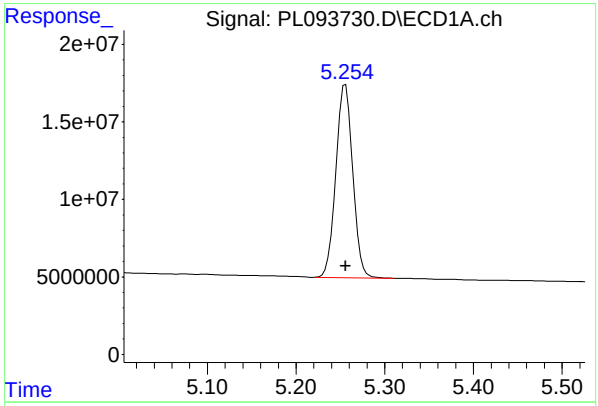
#4 Heptachlor

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



#4 Heptachlor

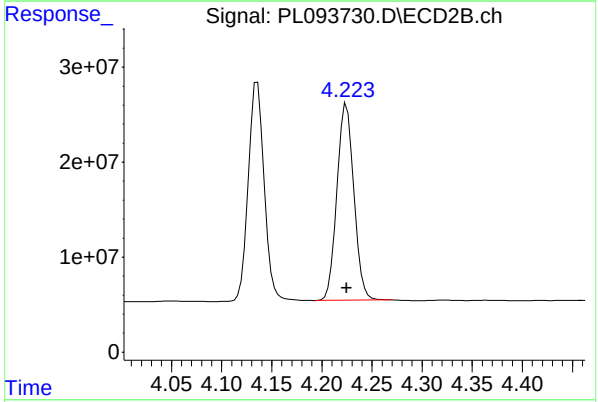
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

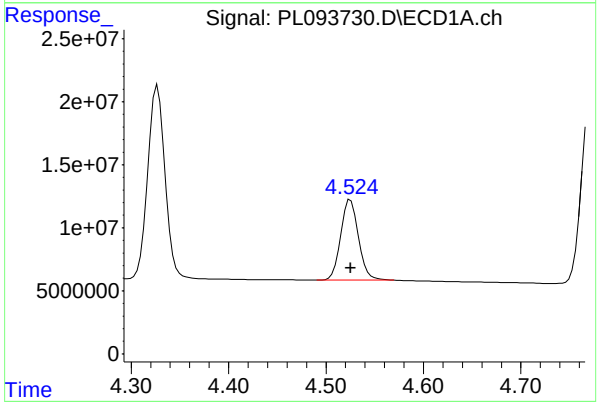
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



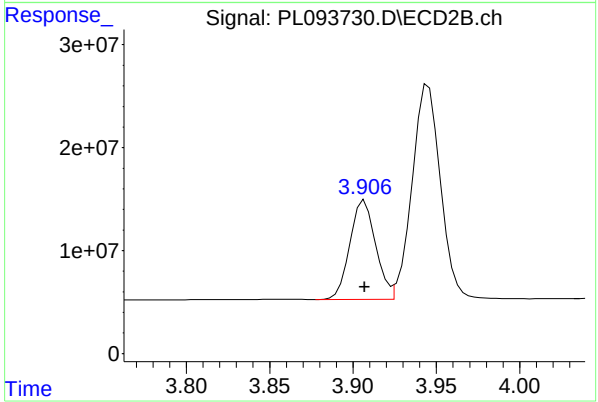
#5 Aldrin

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



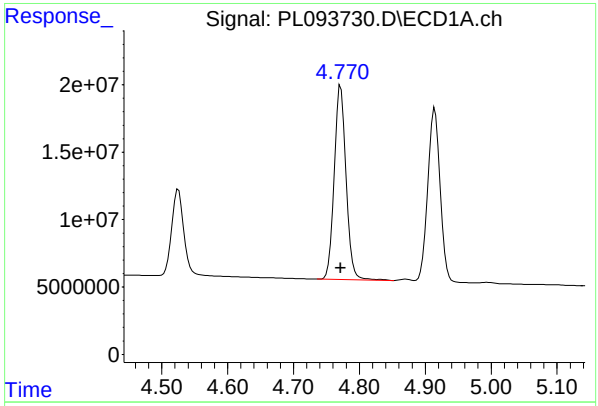
#6 beta-BHC

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



#6 beta-BHC

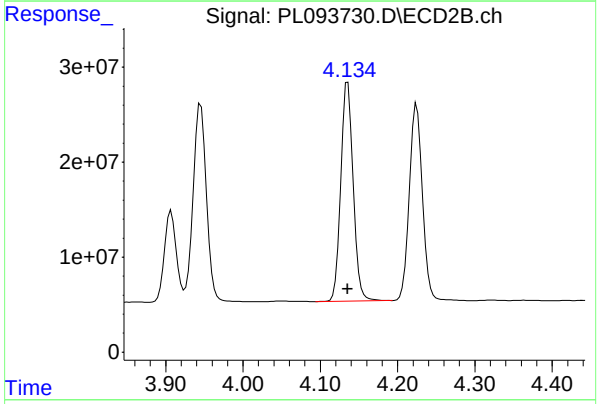
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

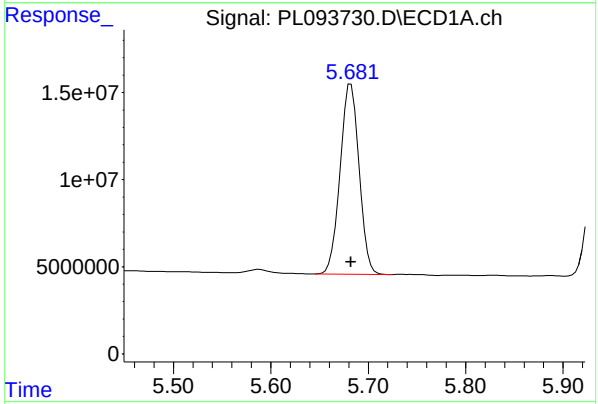
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



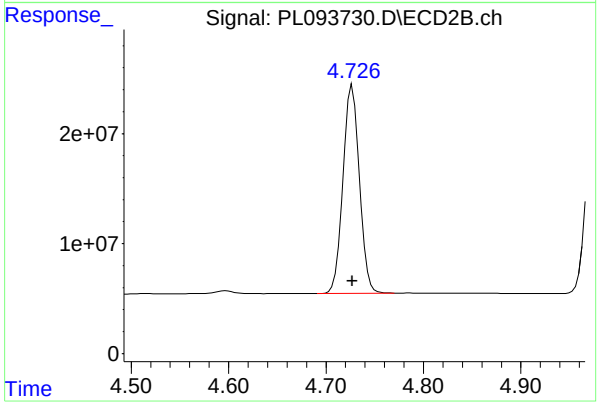
#7 delta-BHC

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



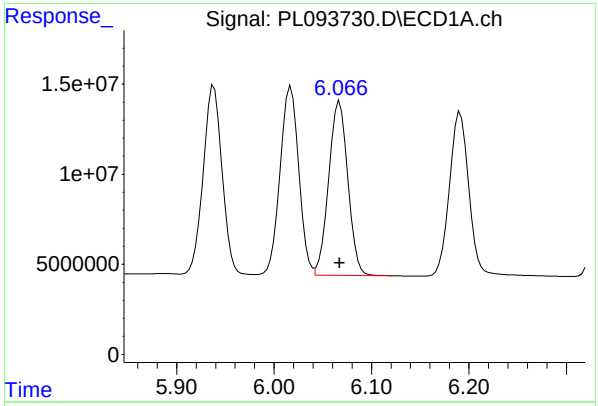
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

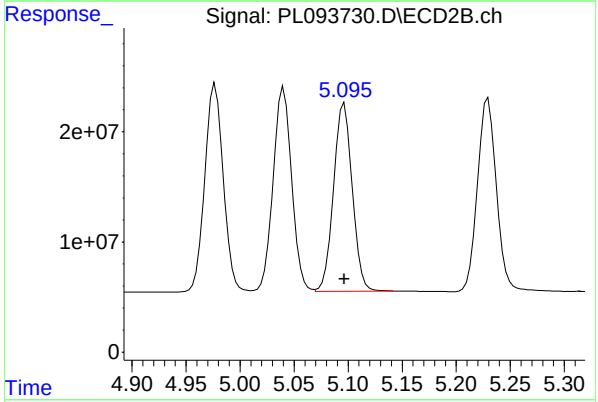
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

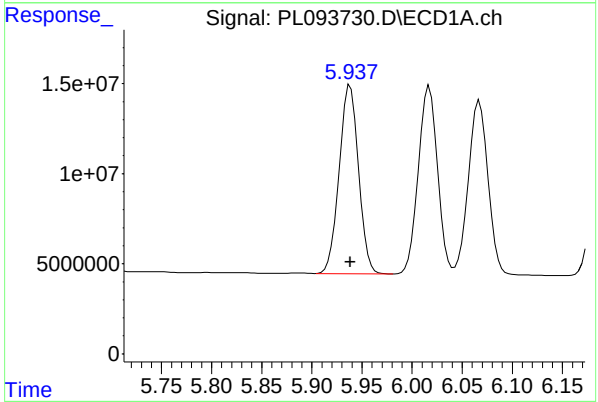
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



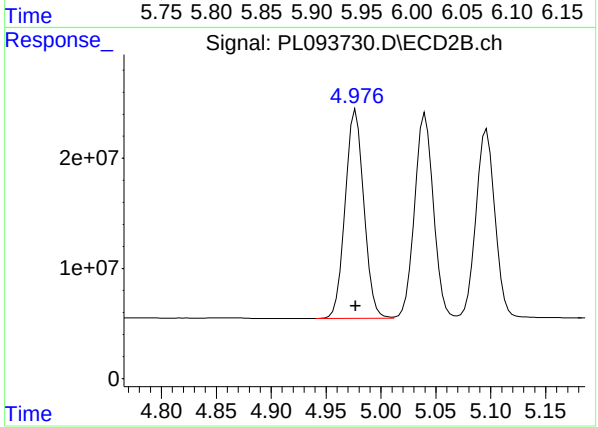
#9 Endosulfan I

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



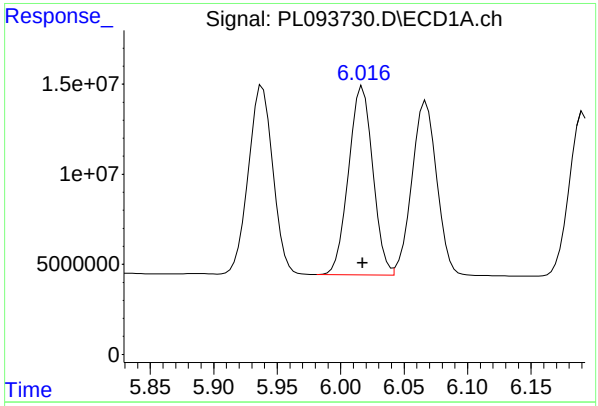
#10 gamma-Chlordane

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



#10 gamma-Chlordane

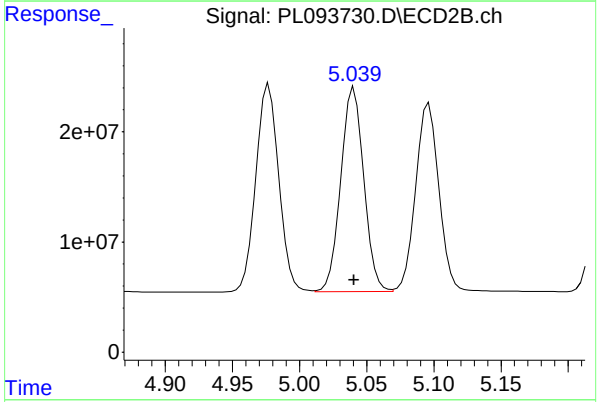
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

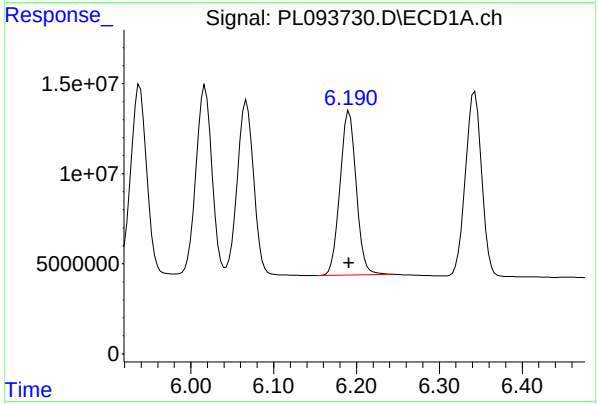
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



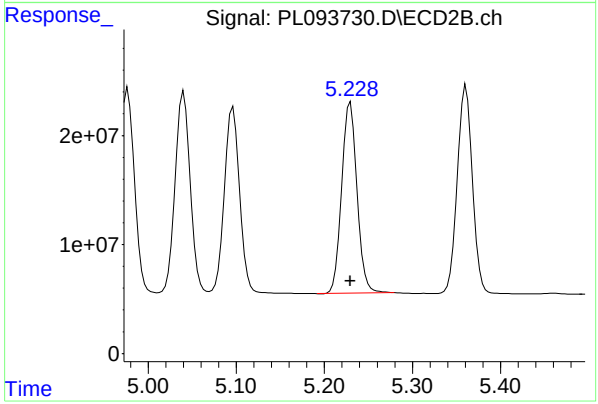
#11 alpha-Chlordane

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



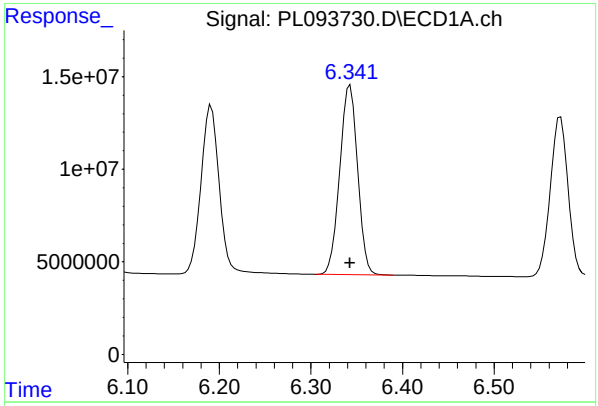
#12 4,4'-DDE

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



#12 4,4'-DDE

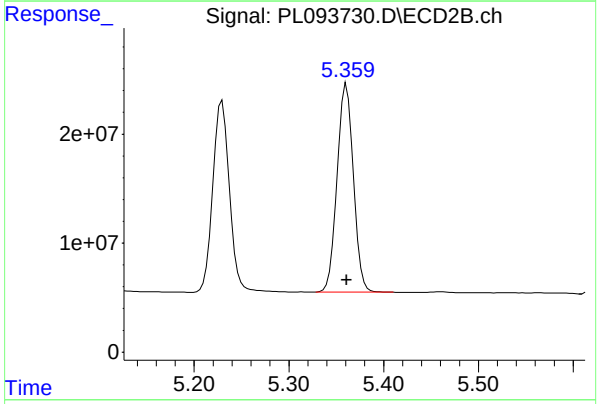
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

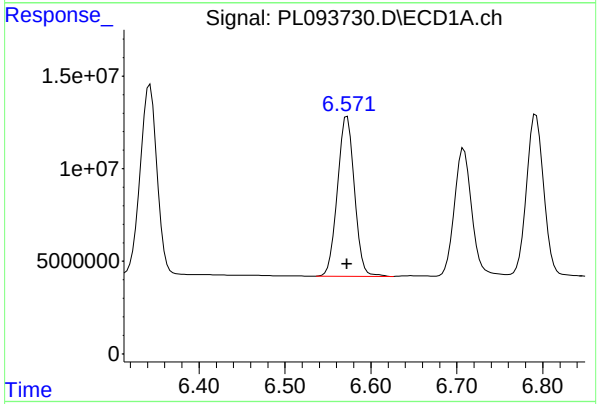
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139409444
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



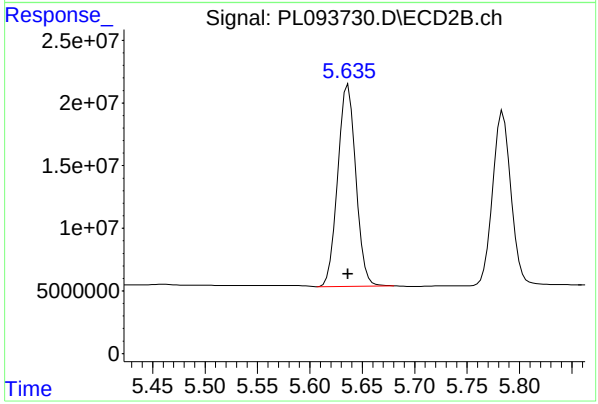
#13 Dieldrin

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



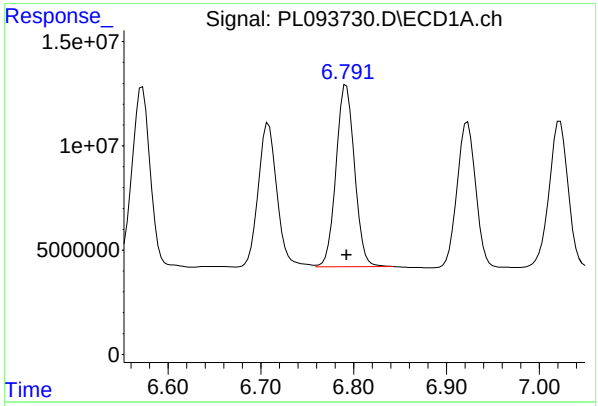
#14 Endrin

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



#14 Endrin

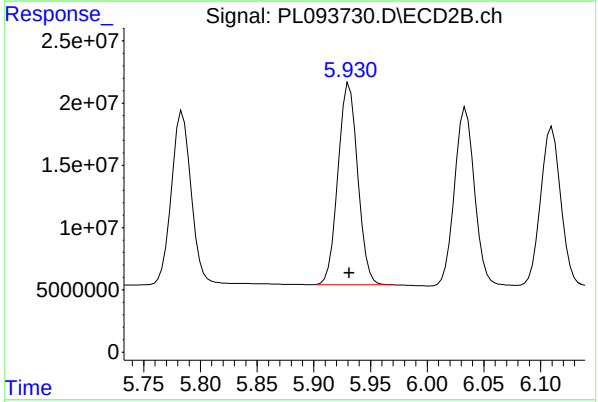
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

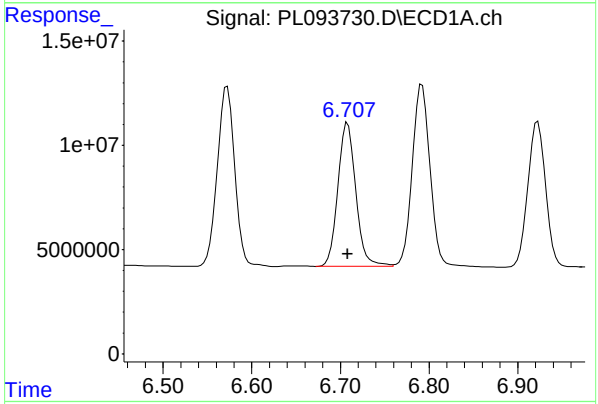
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 120697329
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



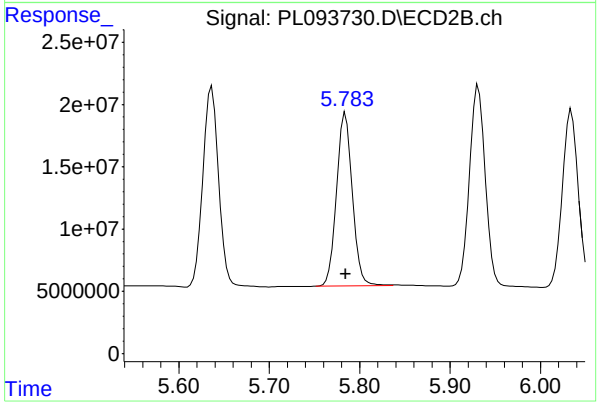
#15 Endosulfan II

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



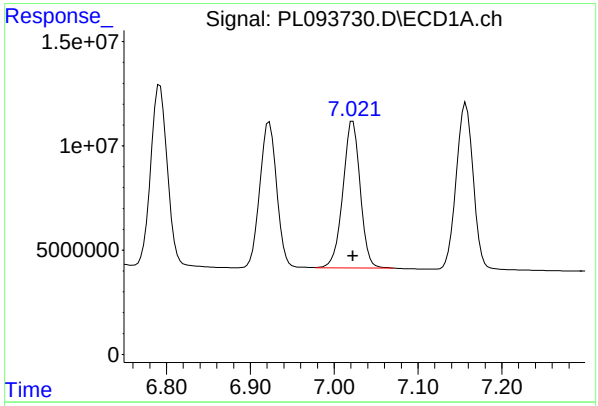
#16 4,4'-DDD

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



#16 4,4'-DDD

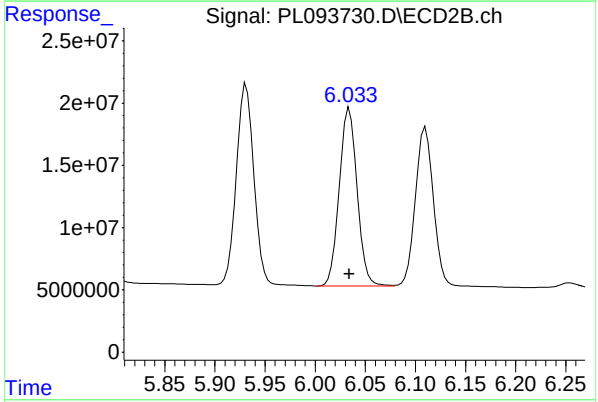
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

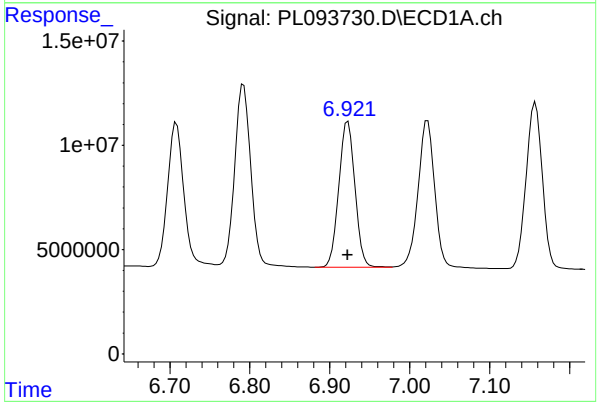
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



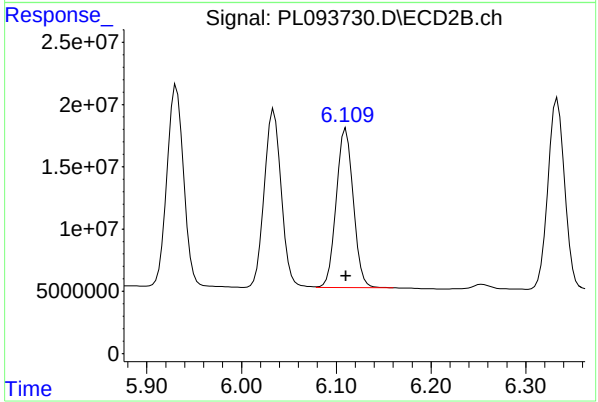
#17 4,4'-DDT

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



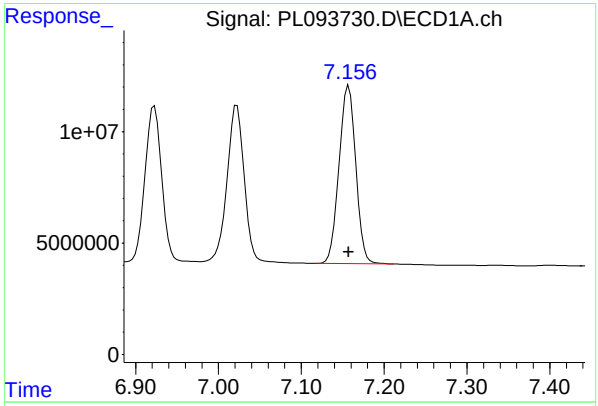
#18 Endrin aldehyde

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



#18 Endrin aldehyde

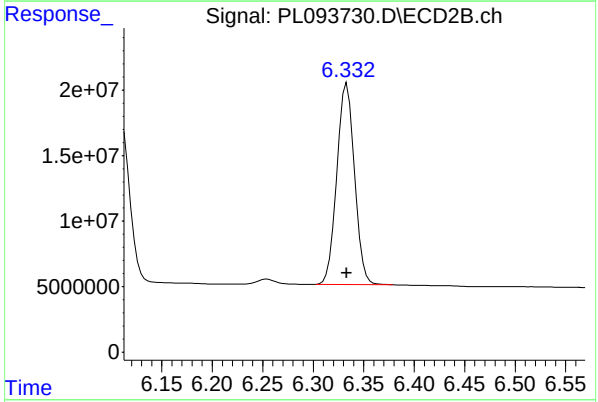
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

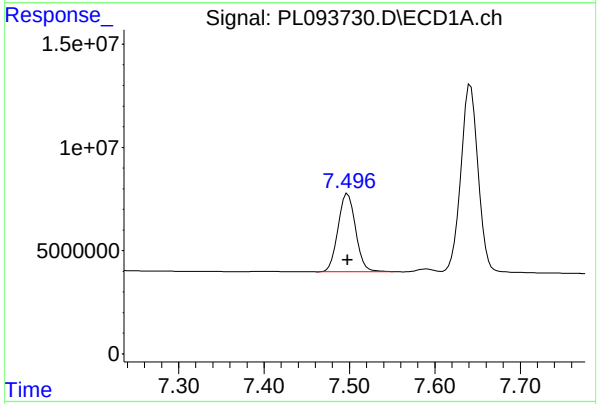
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



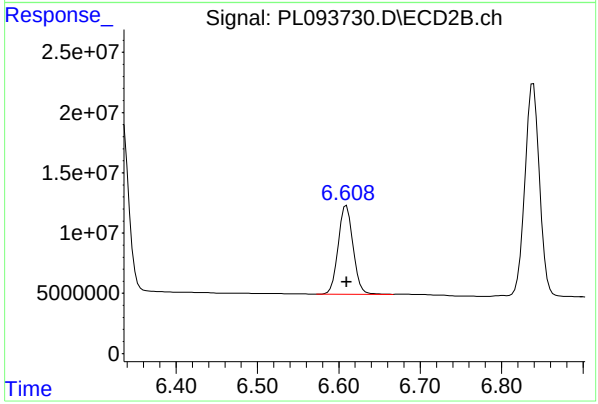
#19 Endosulfan Sulfate

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



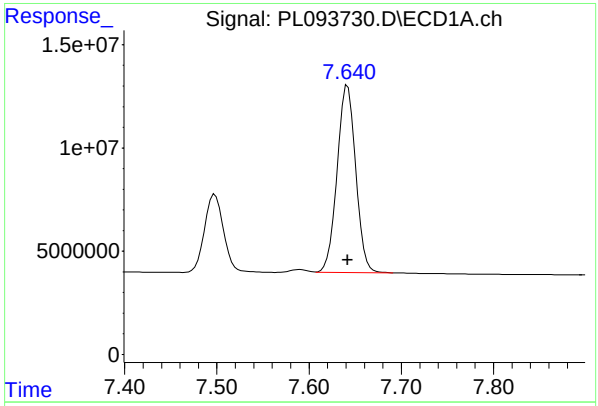
#20 Methoxychlor

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



#20 Methoxychlor

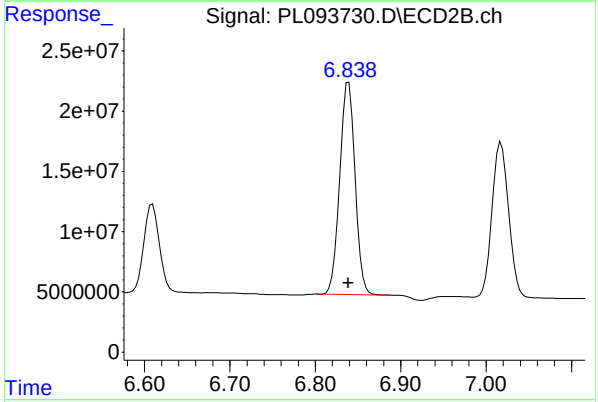
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

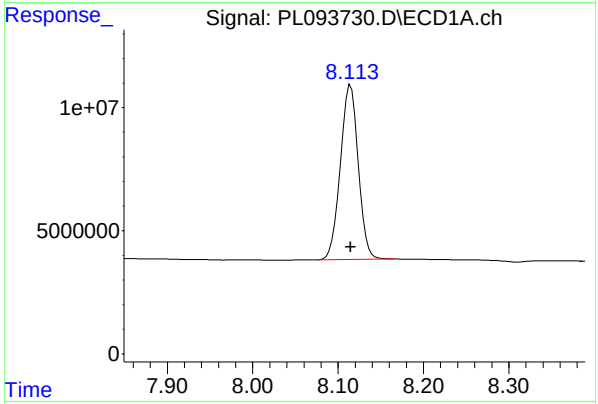
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



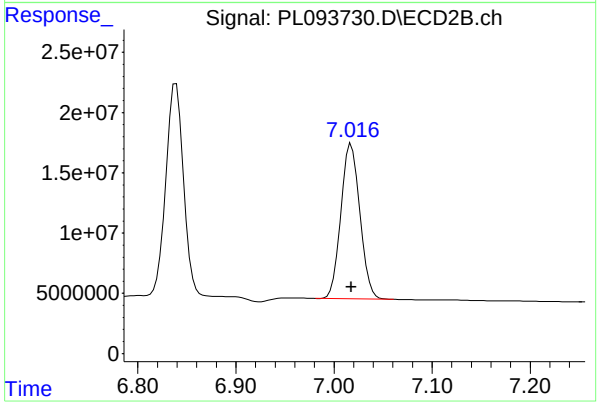
#21 Endrin ketone

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



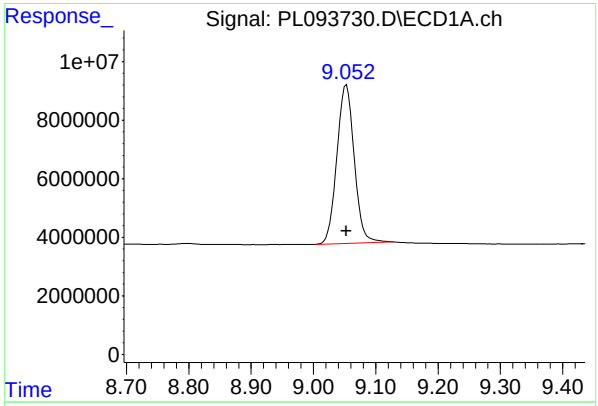
#22 Mirex

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



#22 Mirex

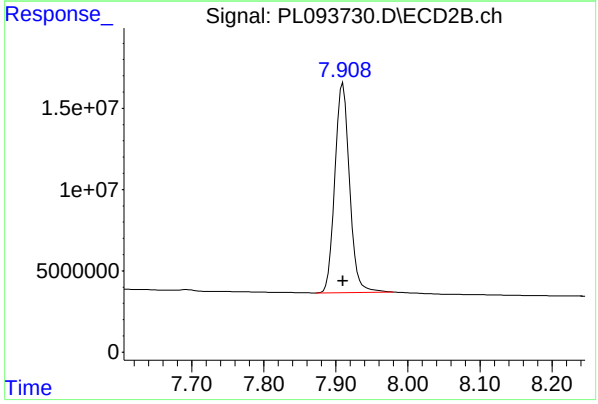
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 173654301
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 104915987
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 181351234
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

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

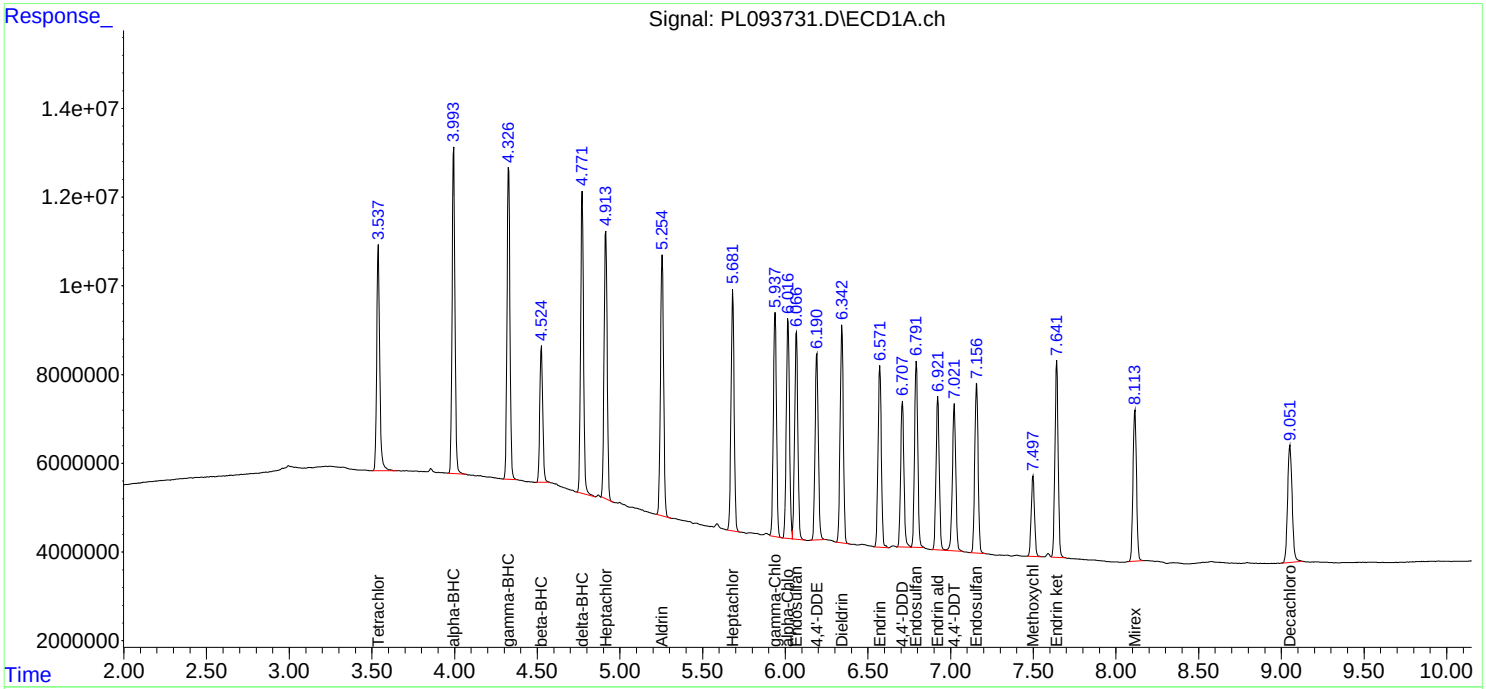
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

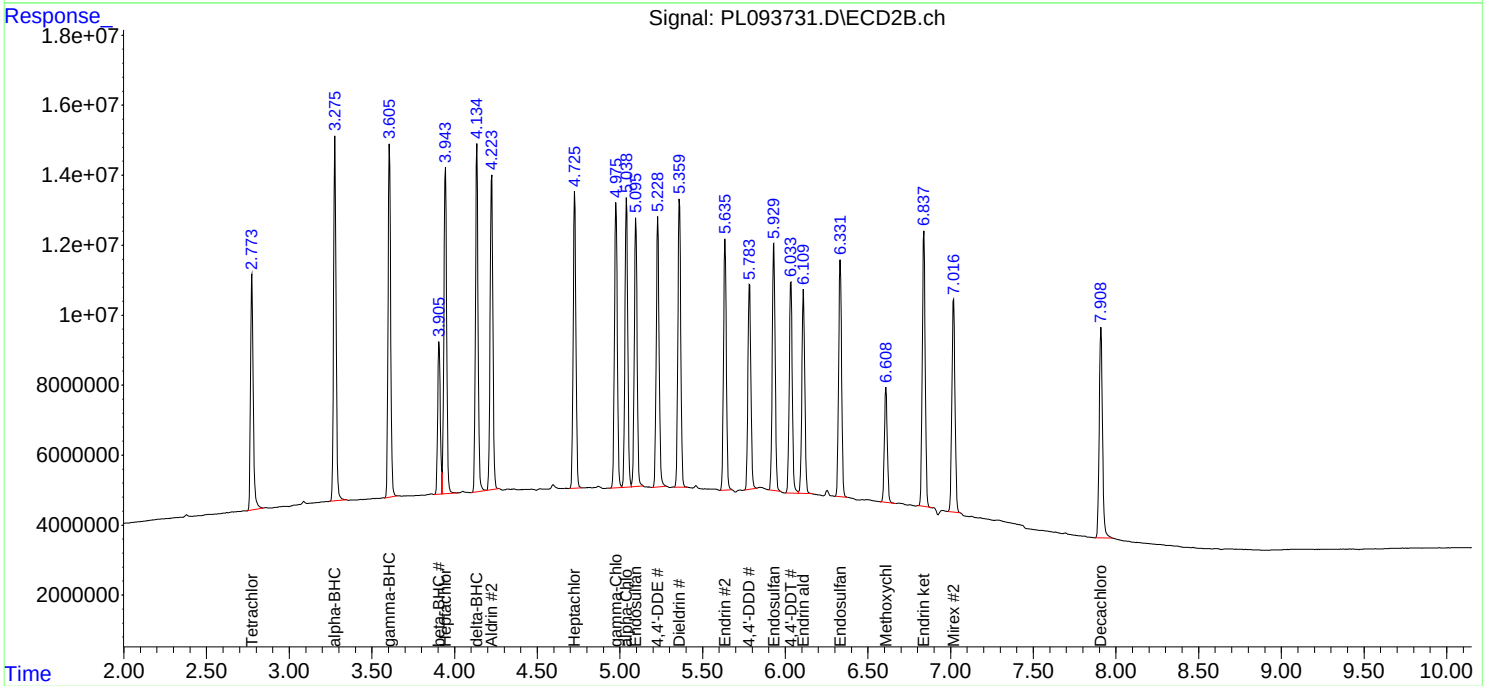
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

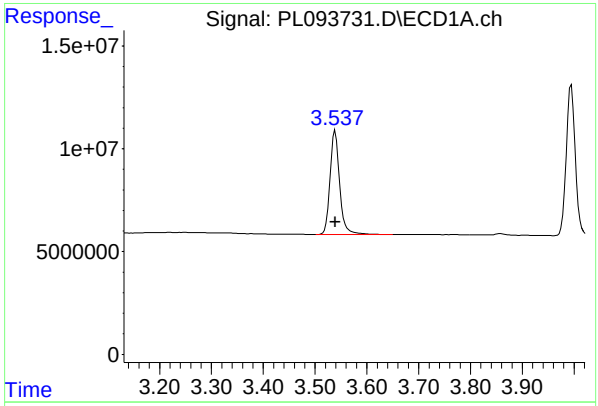
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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



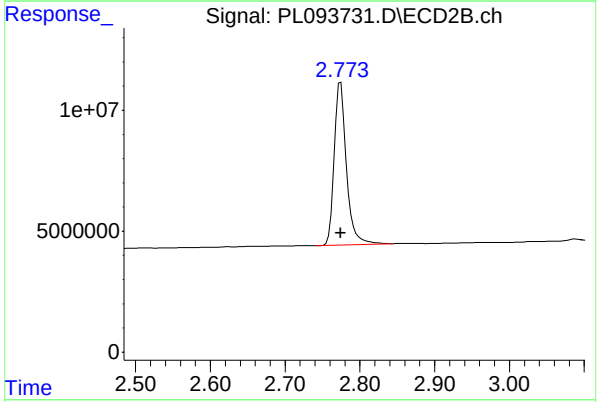




#1 Tetrachloro-m-xylene

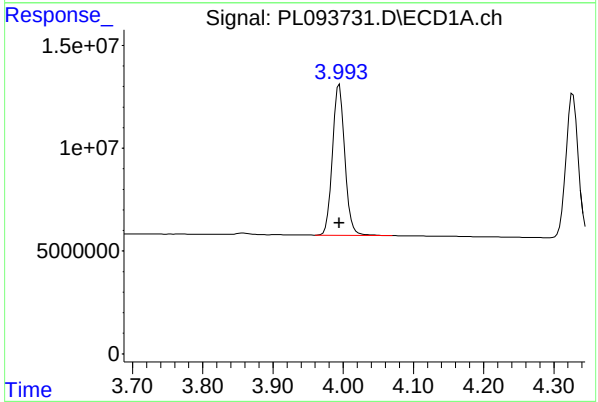
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



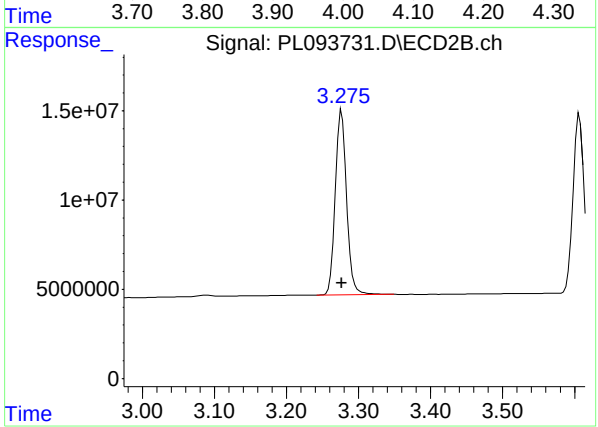
#1 Tetrachloro-m-xylene

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



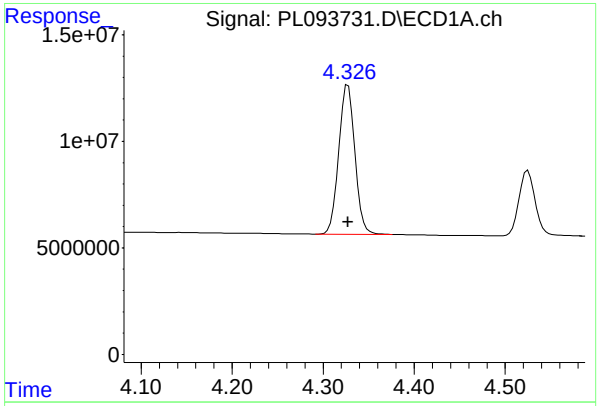
#2 alpha-BHC

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



#2 alpha-BHC

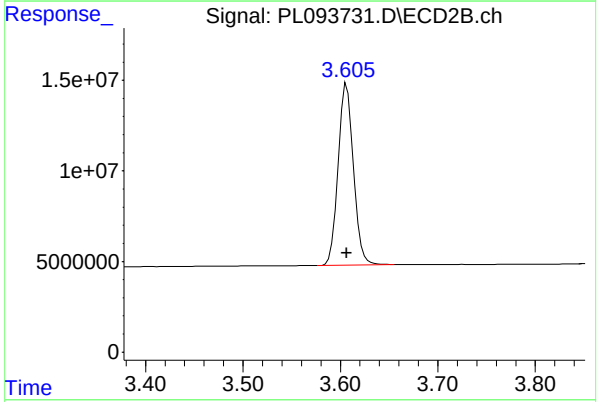
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

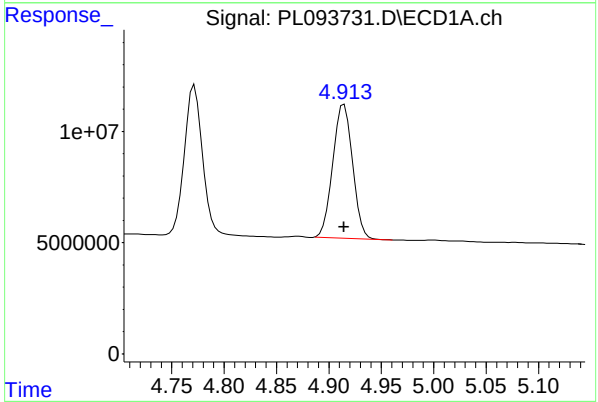
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



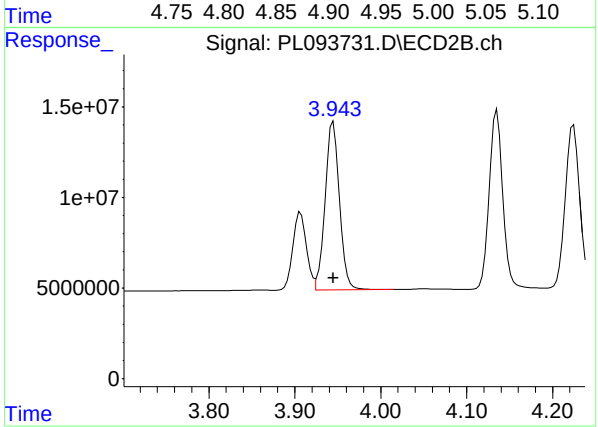
#3 gamma-BHC (Lindane)

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



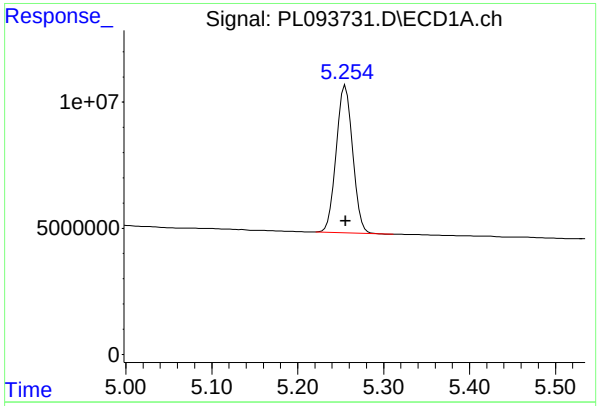
#4 Heptachlor

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



#4 Heptachlor

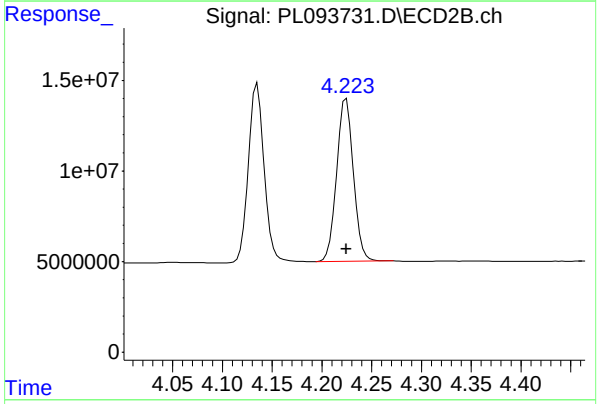
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

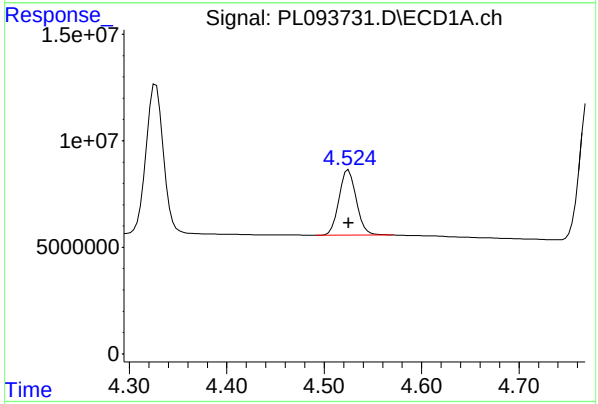
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



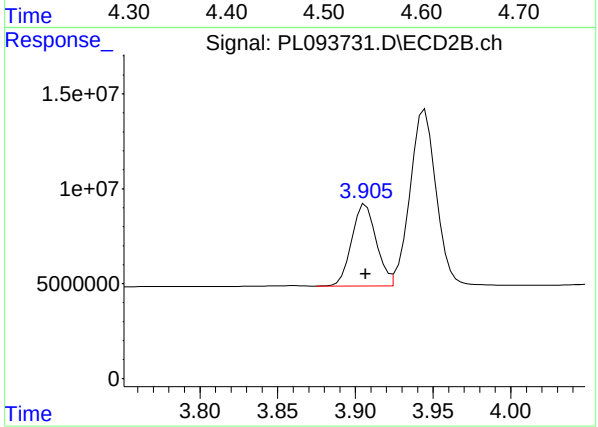
#5 Aldrin

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



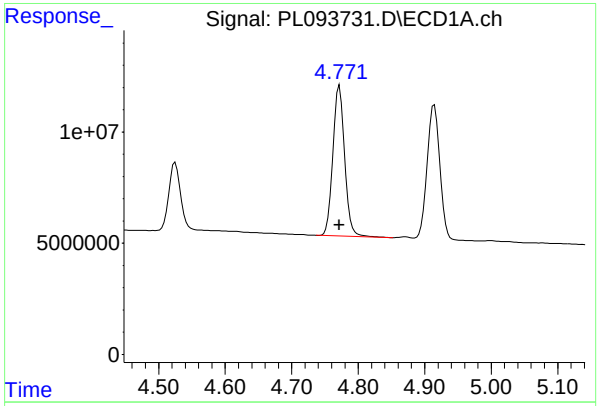
#6 beta-BHC

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



#6 beta-BHC

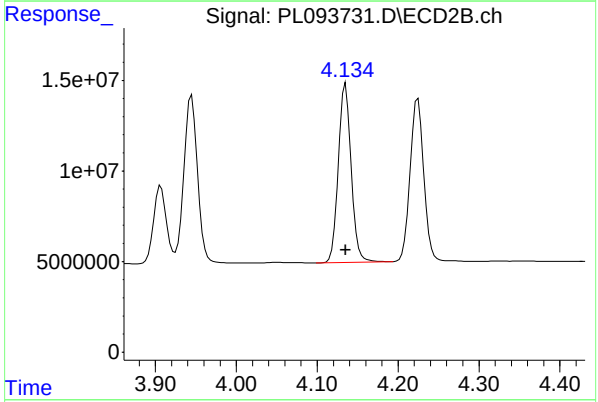
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

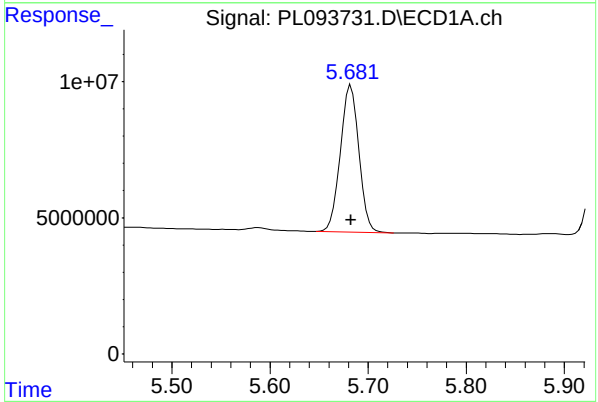
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



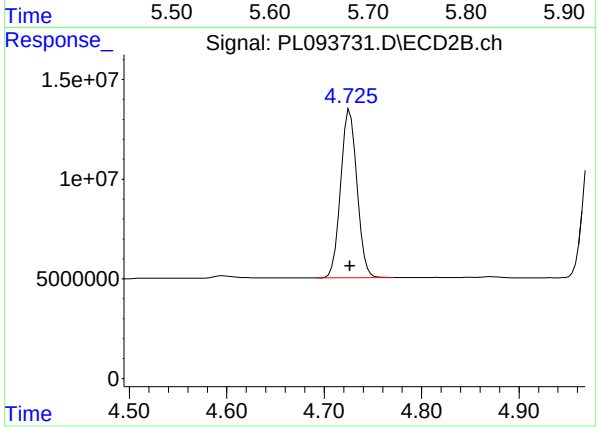
#7 delta-BHC

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



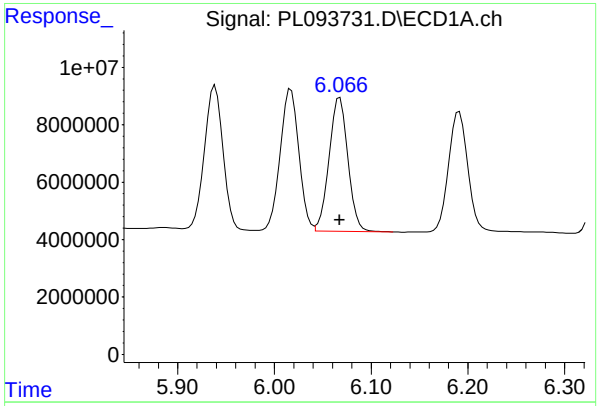
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

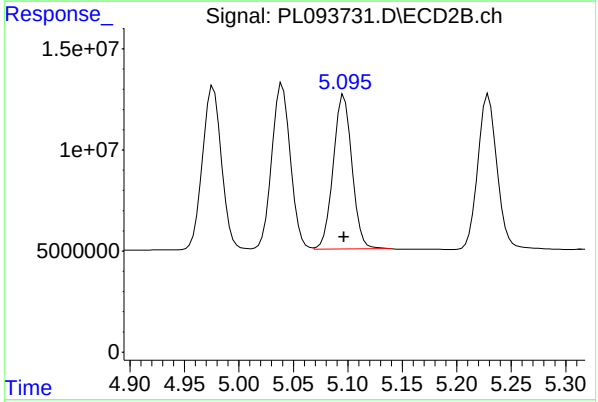
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

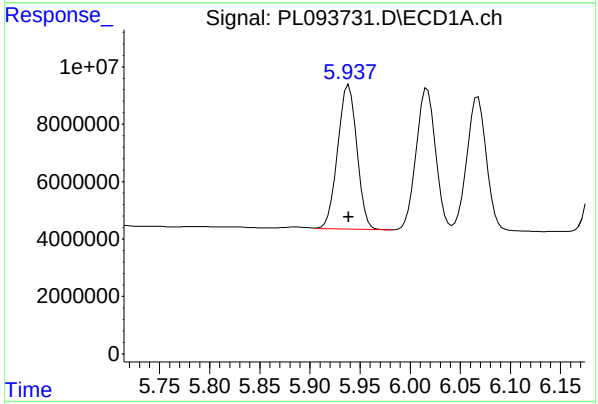
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



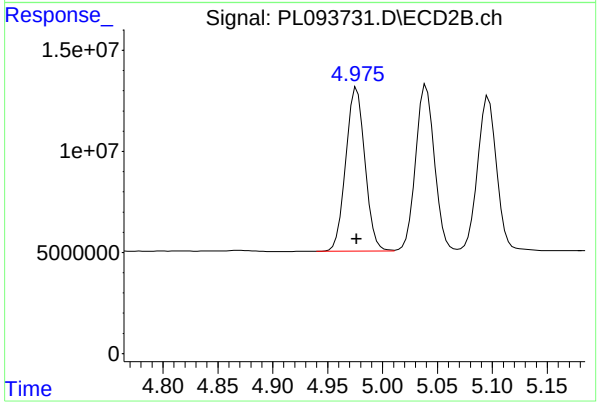
#9 Endosulfan I

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



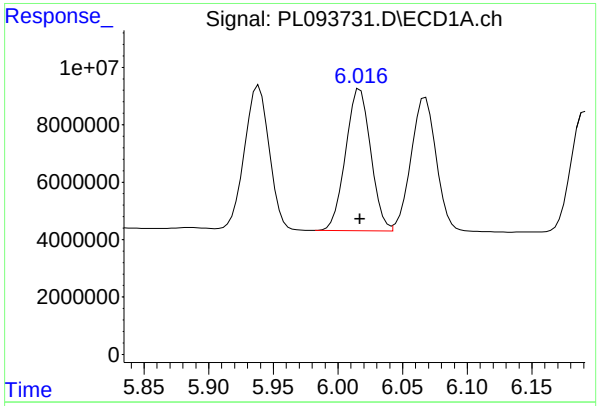
#10 gamma-Chlordane

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



#10 gamma-Chlordane

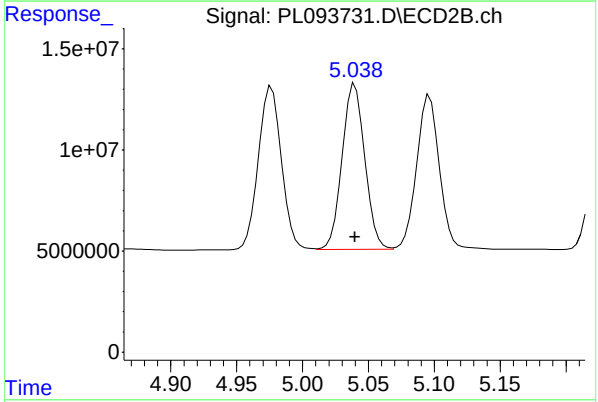
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

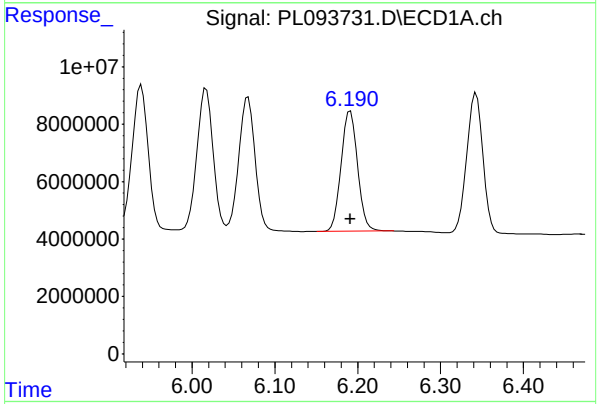
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



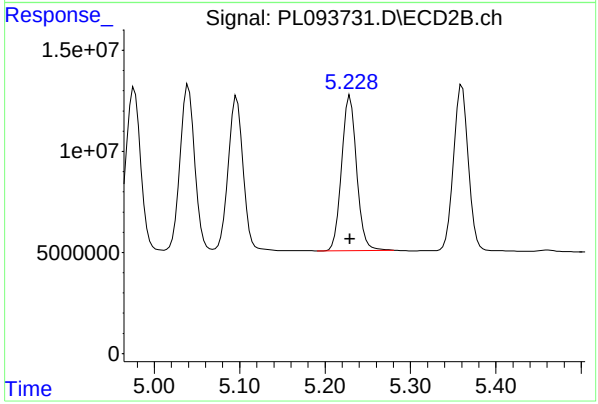
#11 alpha-Chlordane

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



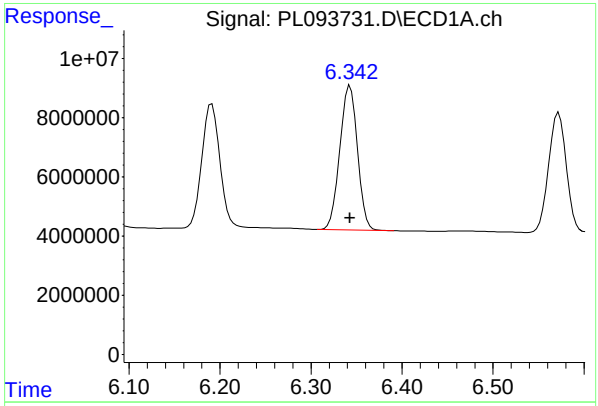
#12 4,4'-DDE

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



#12 4,4'-DDE

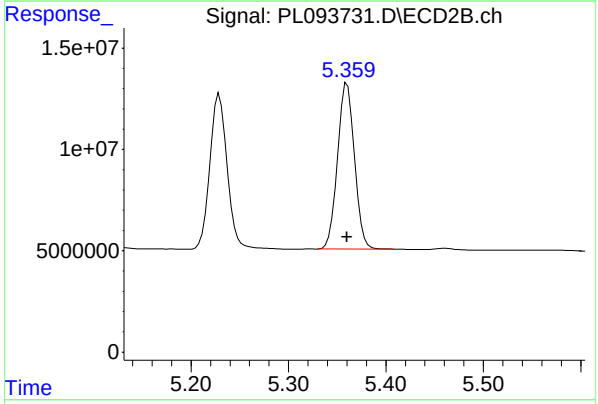
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

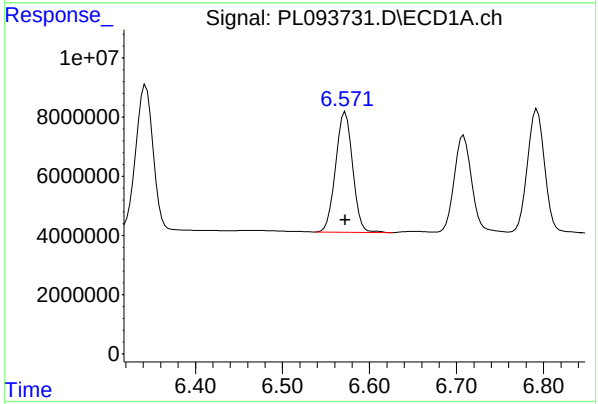
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



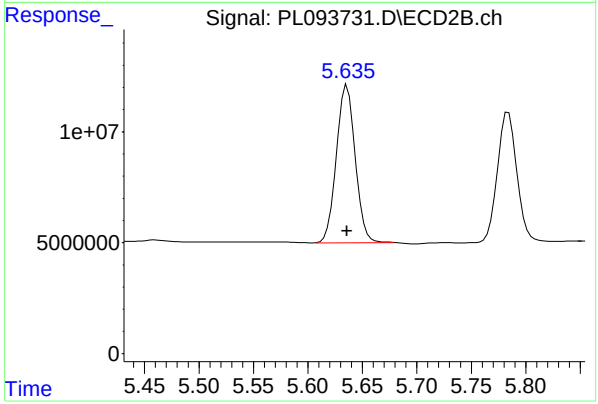
#13 Dieldrin

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



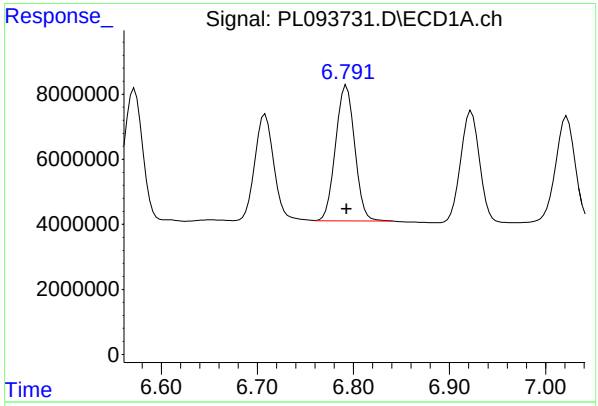
#14 Endrin

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



#14 Endrin

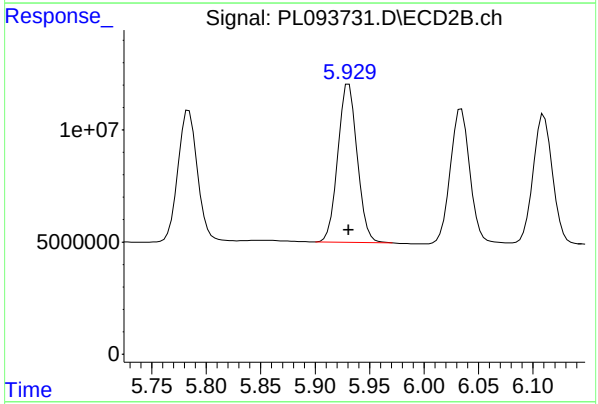
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

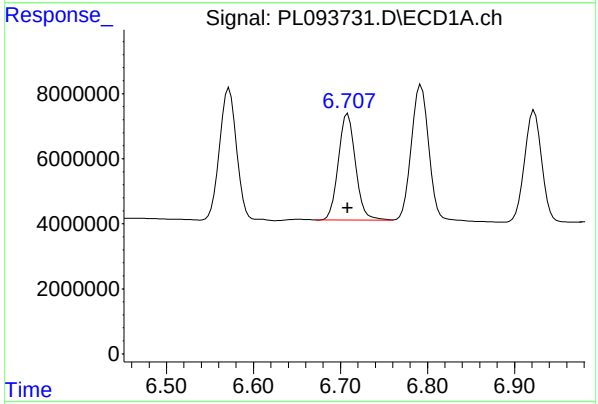
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 57195569
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



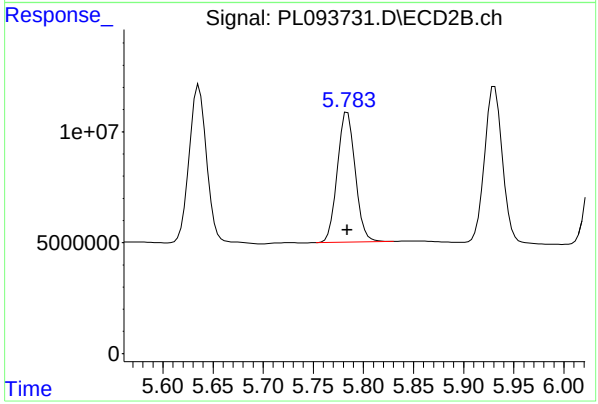
#15 Endosulfan II

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



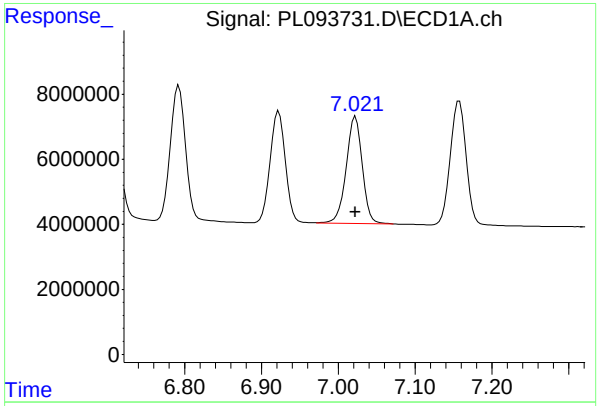
#16 4,4'-DDD

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



#16 4,4'-DDD

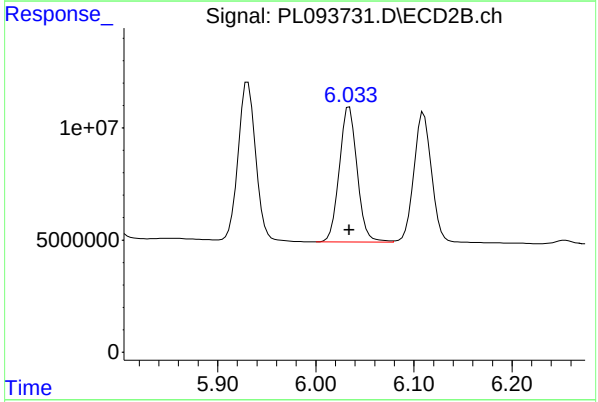
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

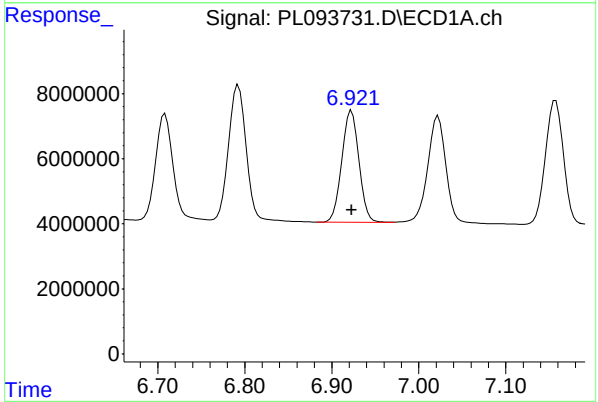
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



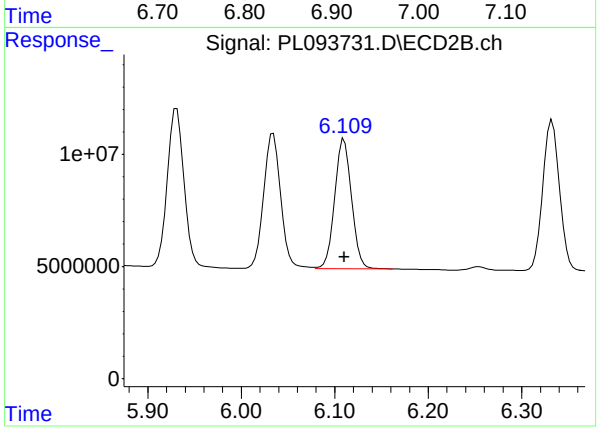
#17 4,4'-DDT

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



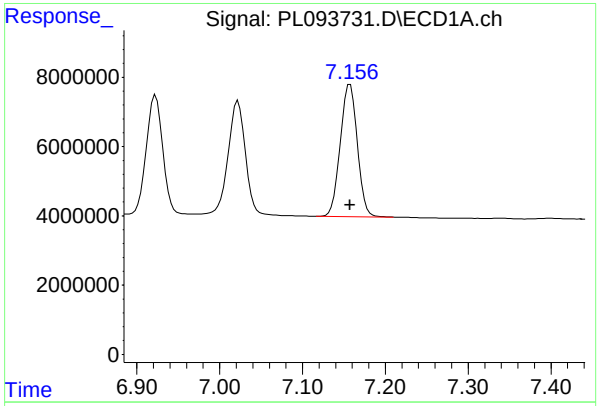
#18 Endrin aldehyde

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



#18 Endrin aldehyde

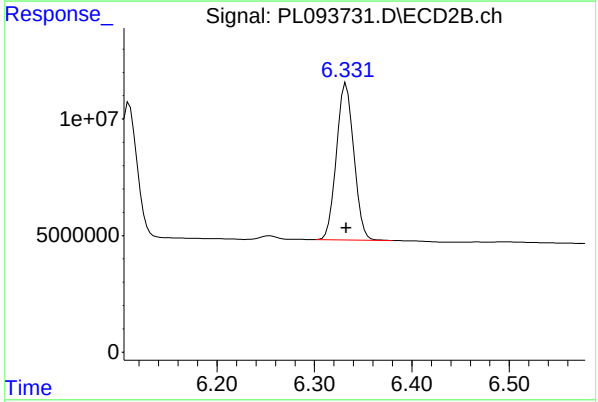
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

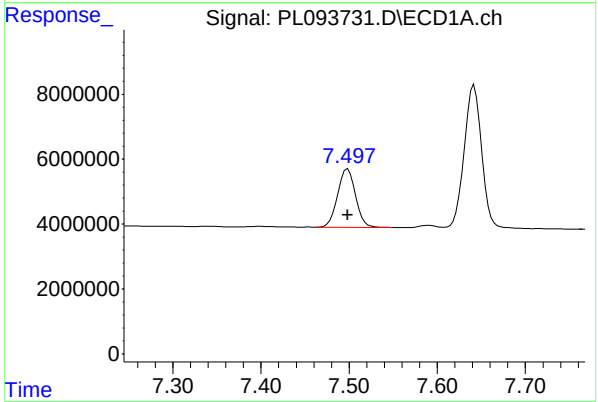
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



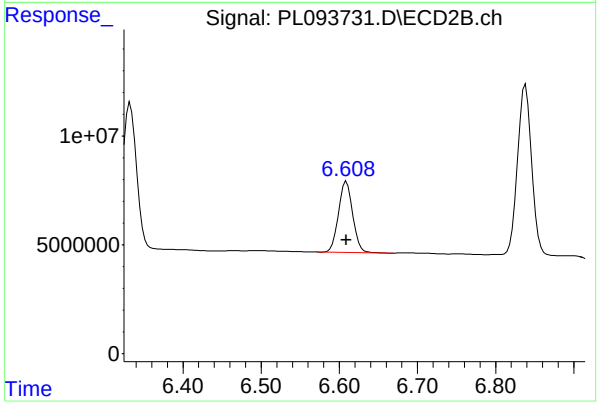
#19 Endosulfan Sulfate

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



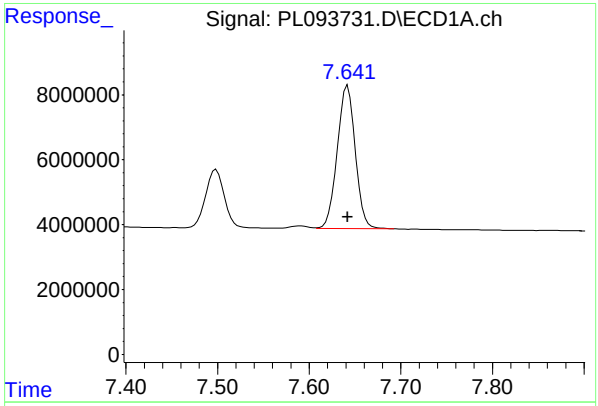
#20 Methoxychlor

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



#20 Methoxychlor

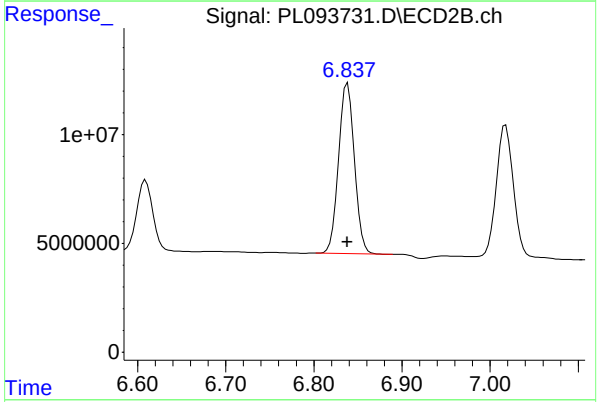
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

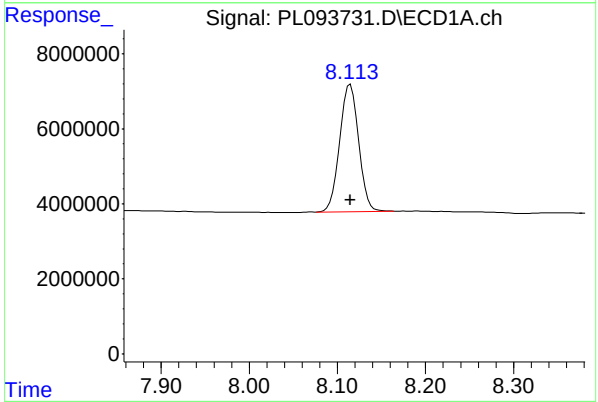
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 60347677
Conc: 25.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



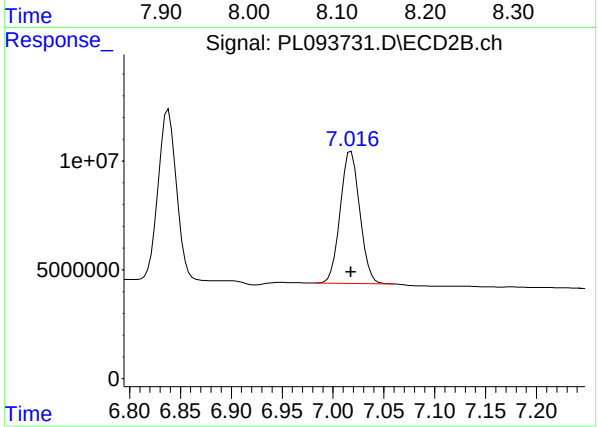
#21 Endrin ketone

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



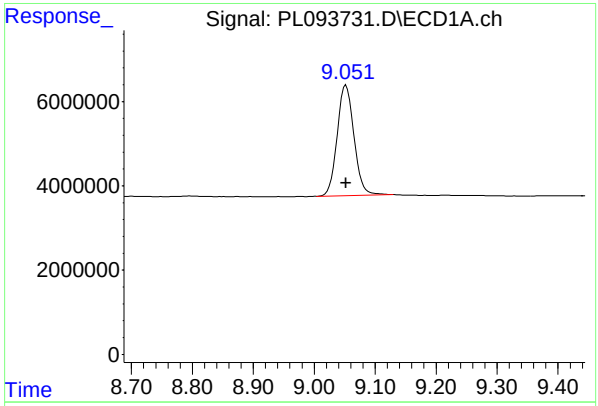
#22 Mirex

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



#22 Mirex

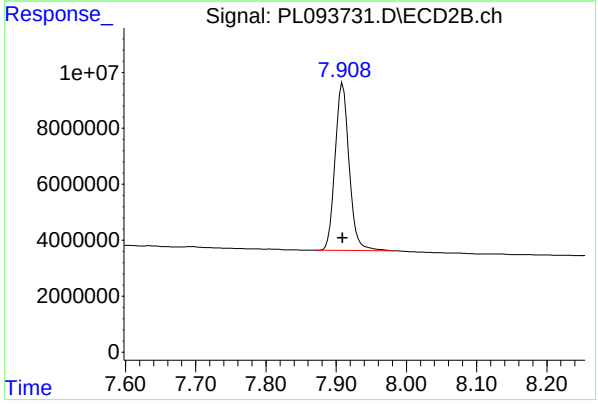
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 81084696
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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

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

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

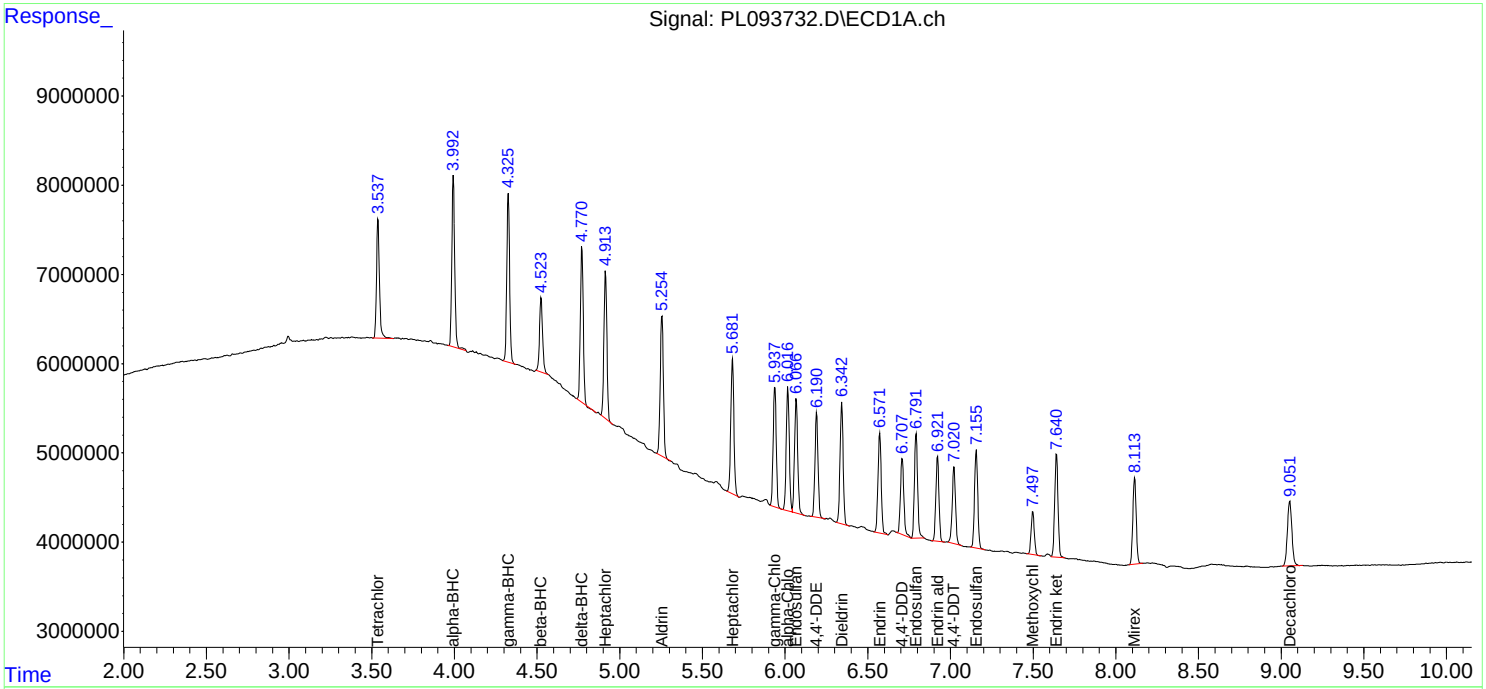
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

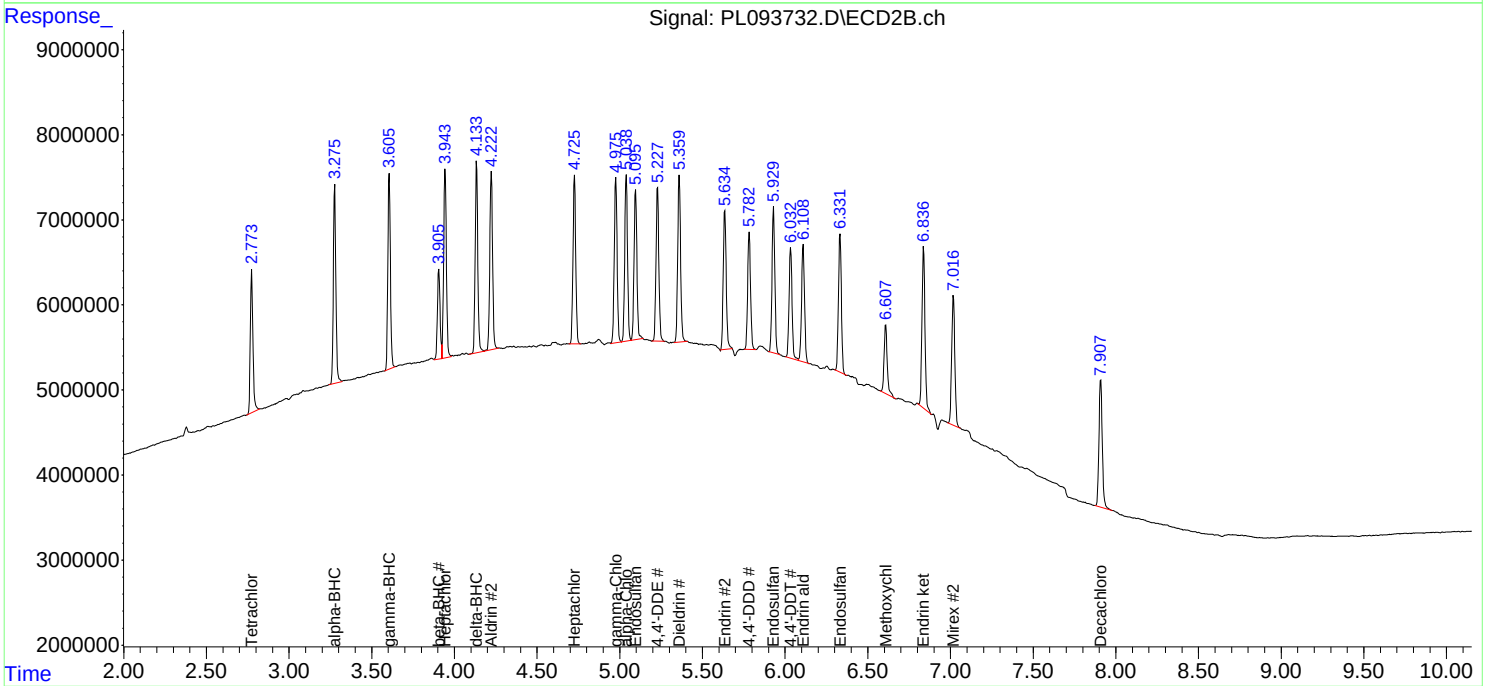
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

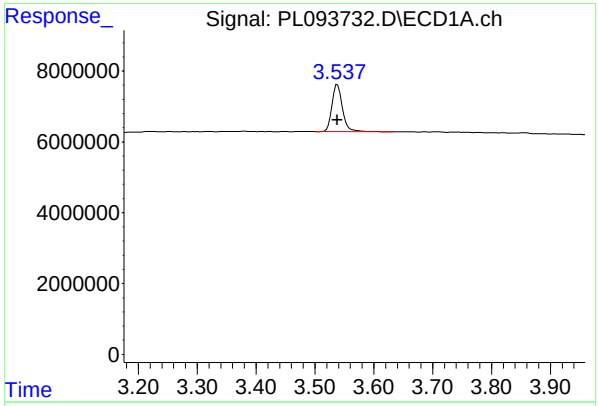
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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

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



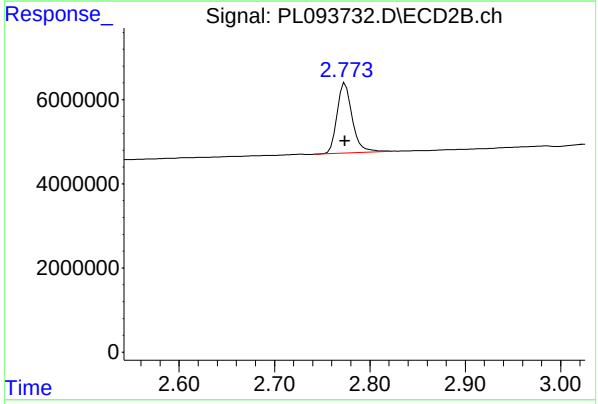




#1 Tetrachloro-m-xylene

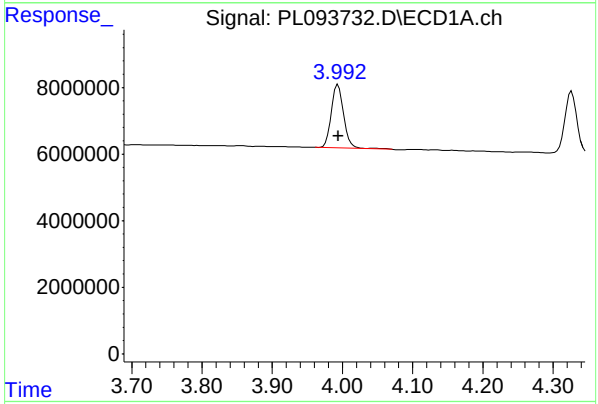
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



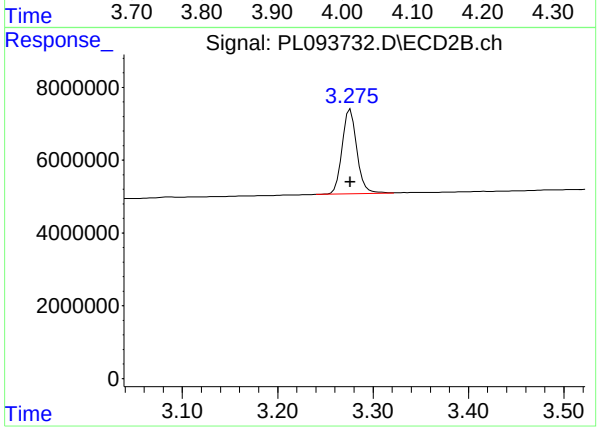
#1 Tetrachloro-m-xylene

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



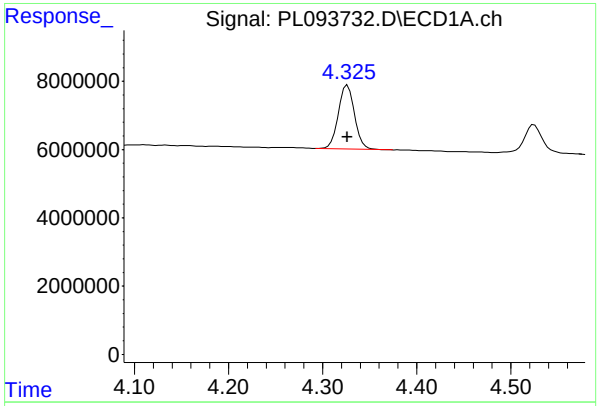
#2 alpha-BHC

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



#2 alpha-BHC

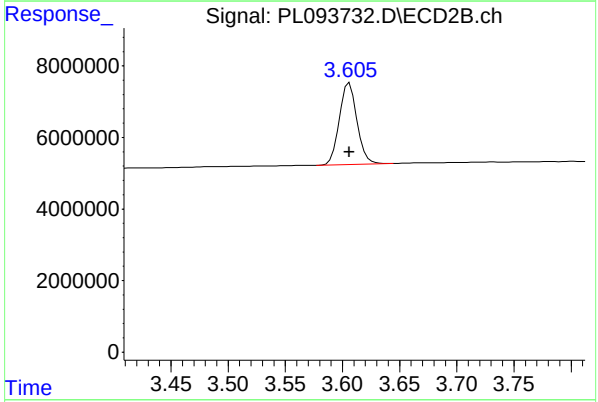
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

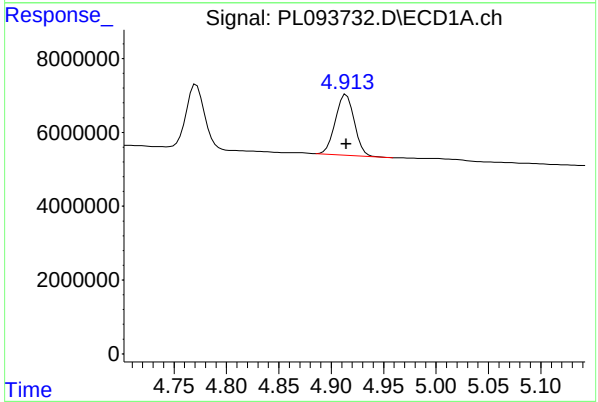
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



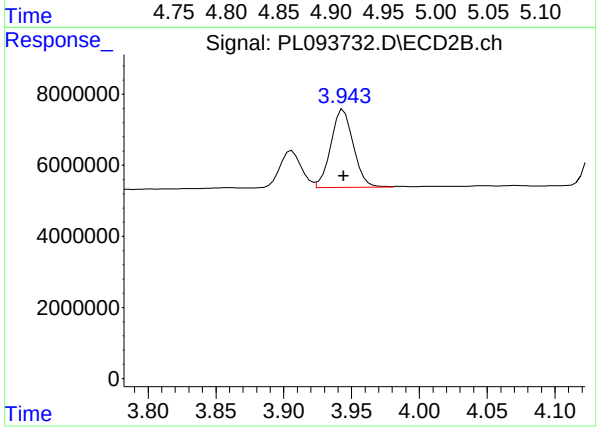
#3 gamma-BHC (Lindane)

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



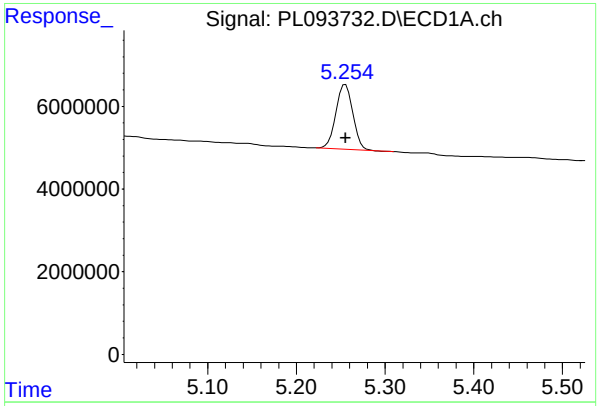
#4 Heptachlor

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



#4 Heptachlor

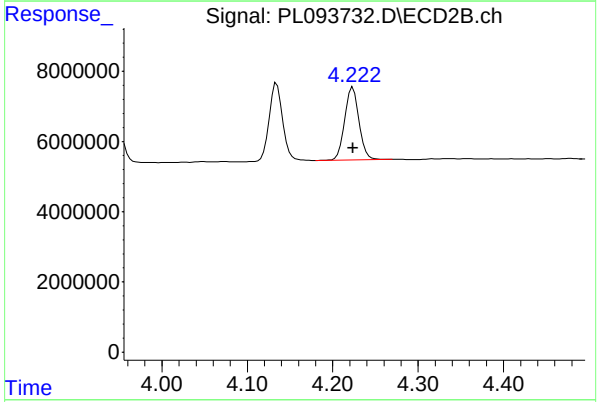
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

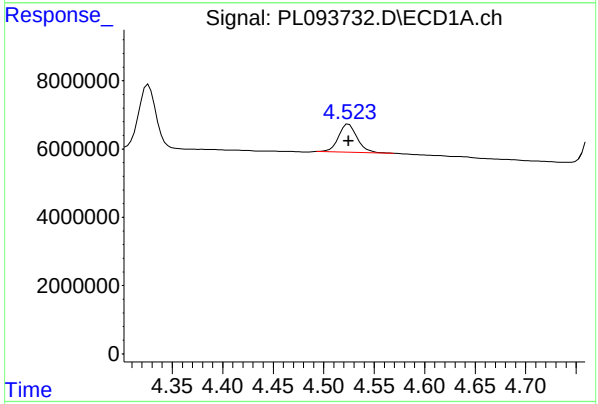
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



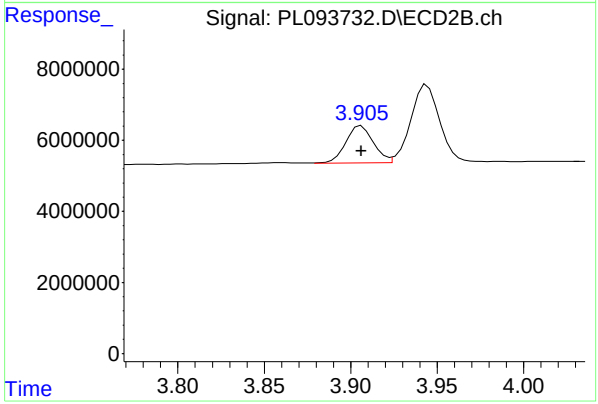
#5 Aldrin

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



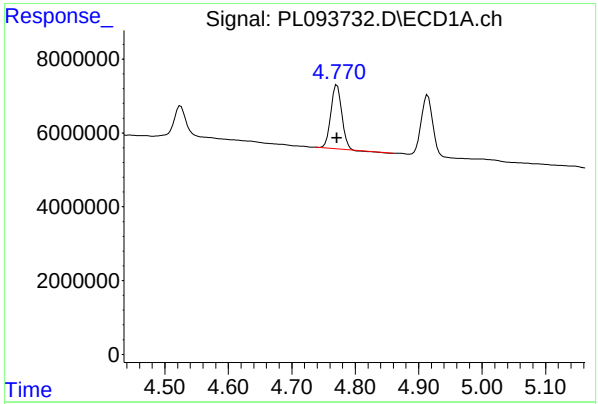
#6 beta-BHC

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



#6 beta-BHC

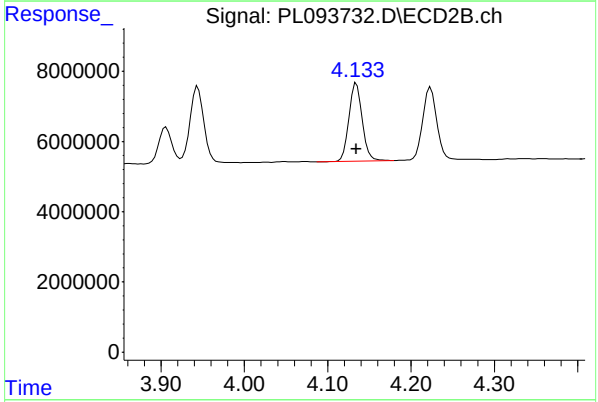
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

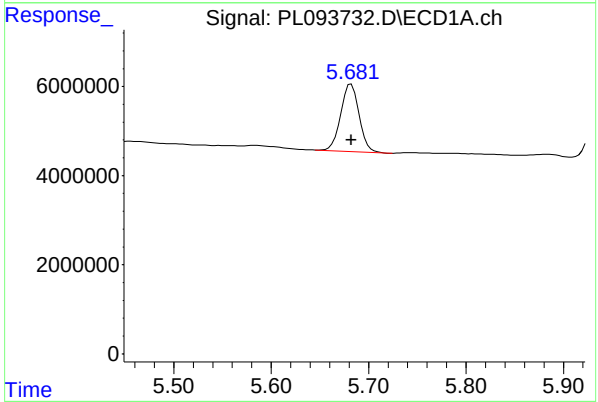
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



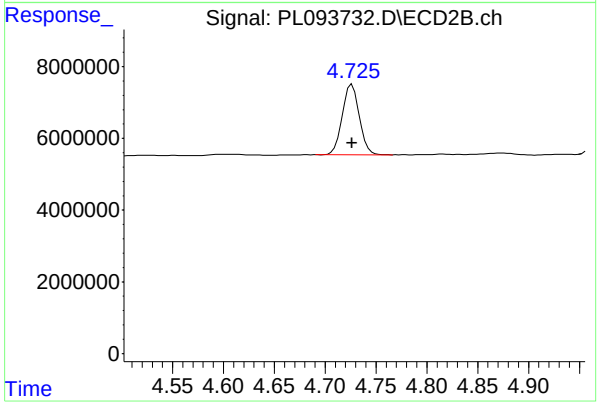
#7 delta-BHC

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



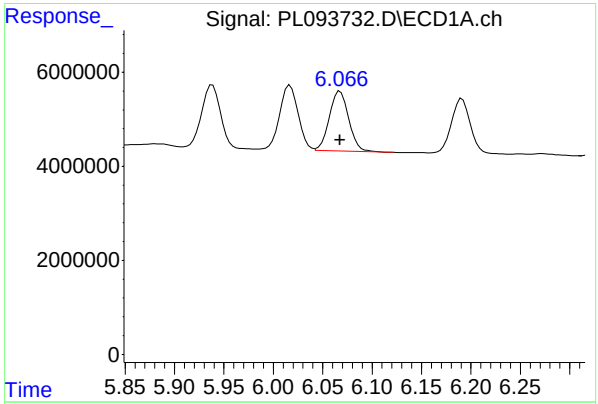
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

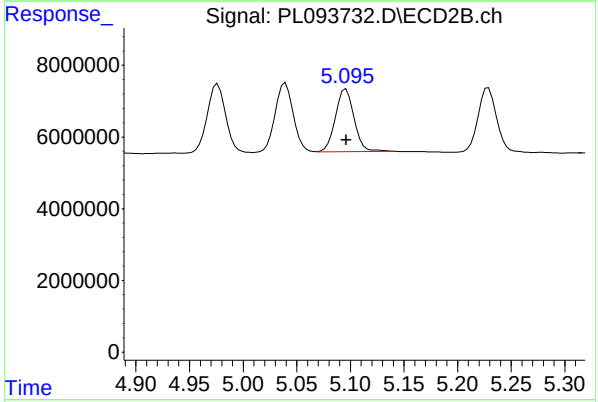
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

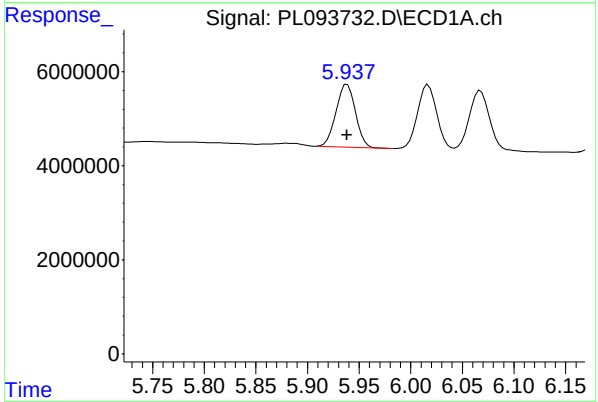
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



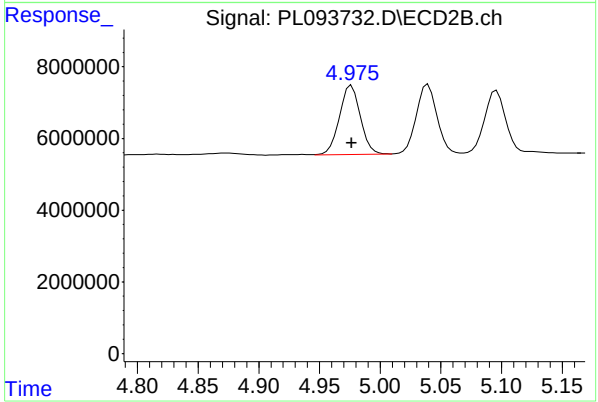
#9 Endosulfan I

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



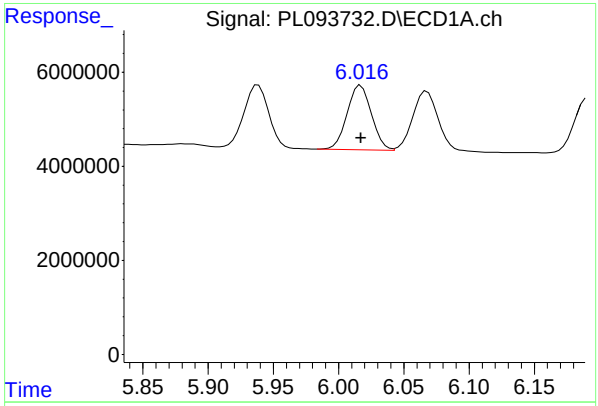
#10 gamma-Chlordane

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



#10 gamma-Chlordane

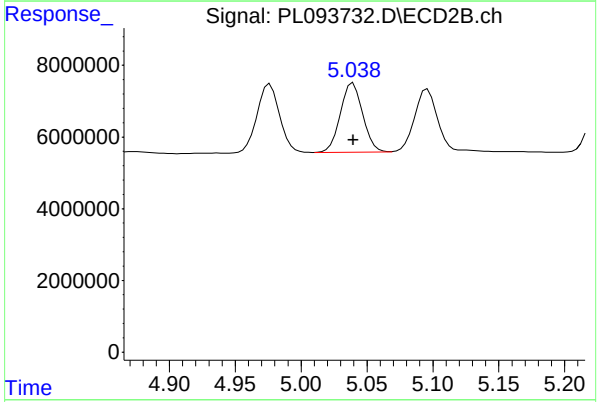
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

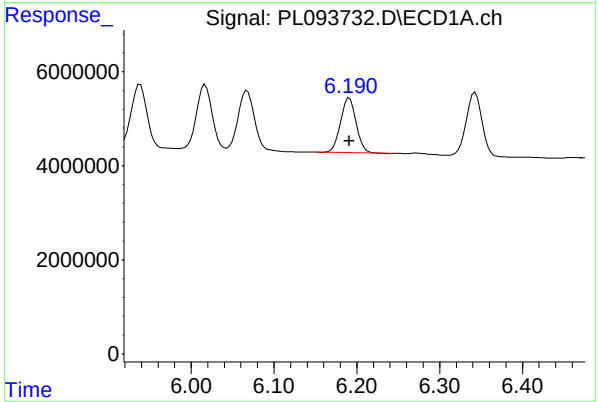
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 17853432
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



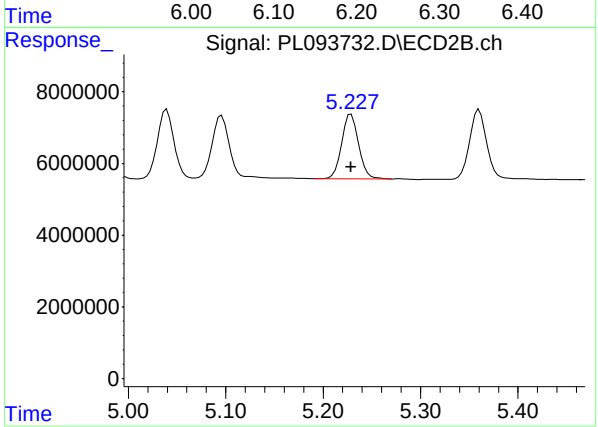
#11 alpha-Chlordane

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



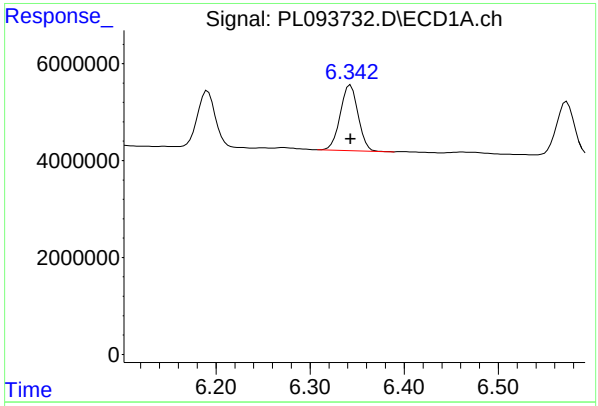
#12 4,4'-DDE

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



#12 4,4'-DDE

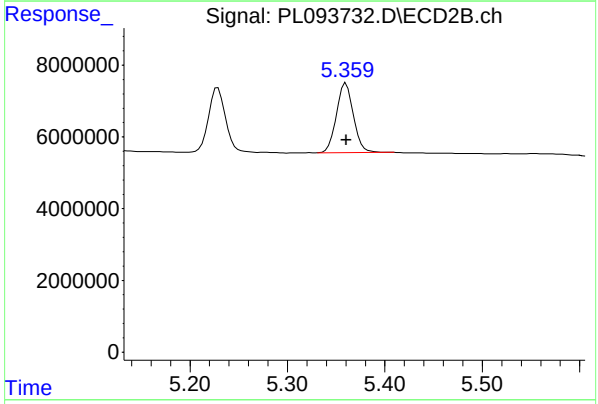
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

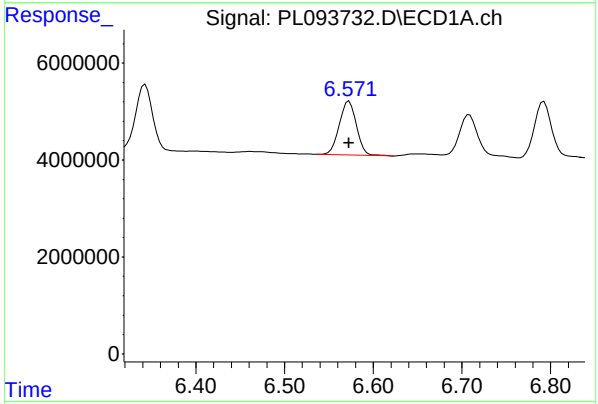
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



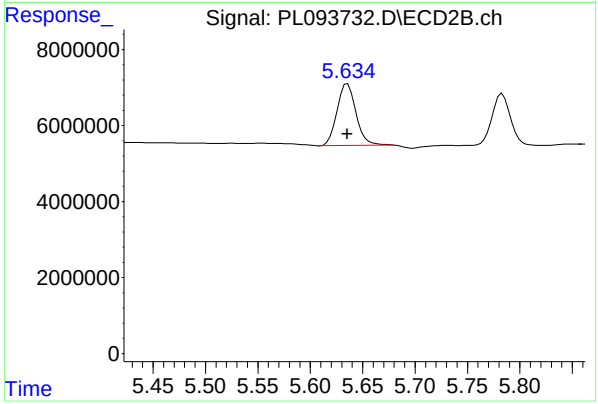
#13 Dieldrin

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



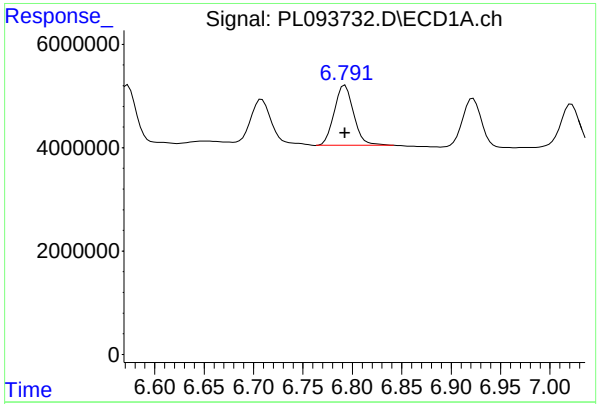
#14 Endrin

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



#14 Endrin

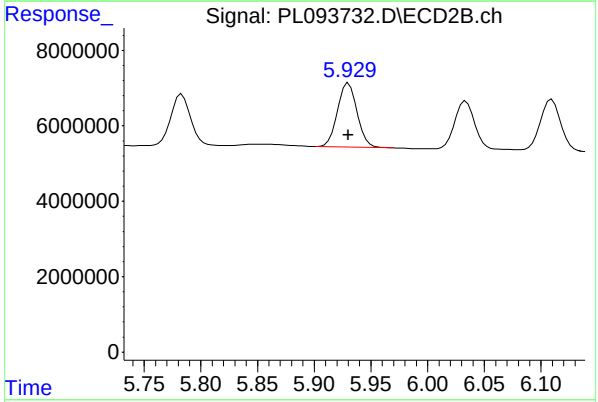
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

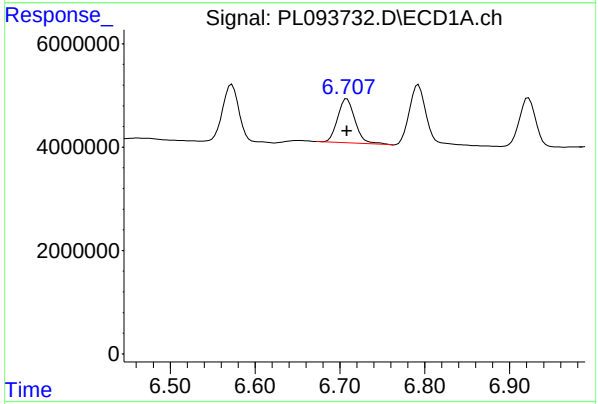
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 15801314
Conc: 6.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



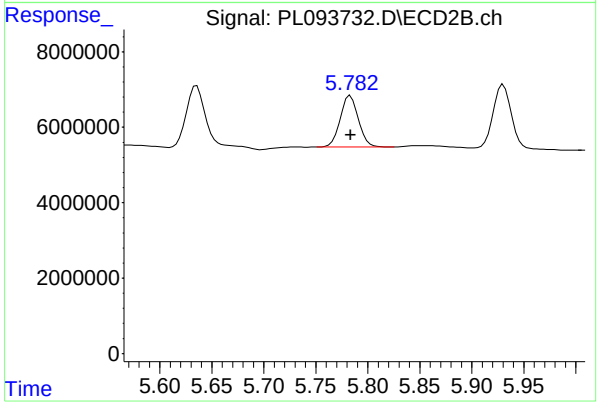
#15 Endosulfan II

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



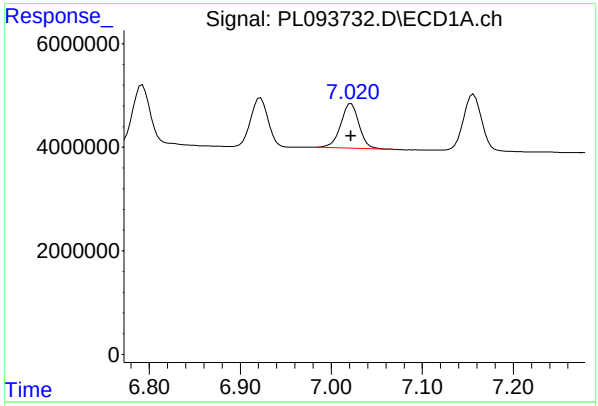
#16 4,4'-DDD

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



#16 4,4'-DDD

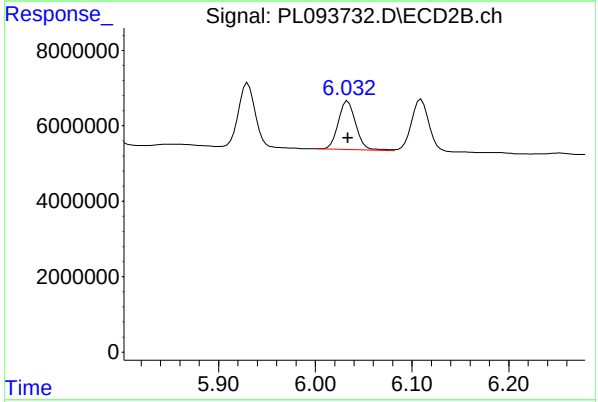
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

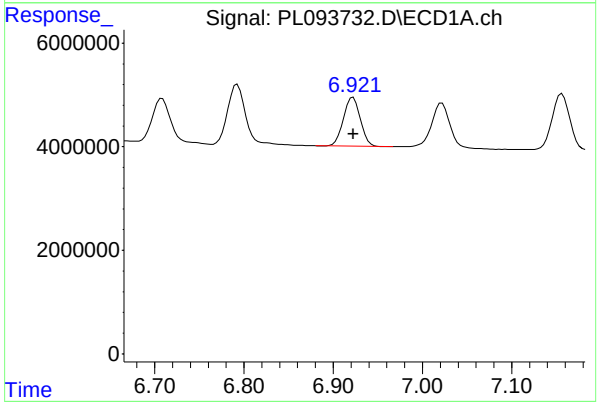
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



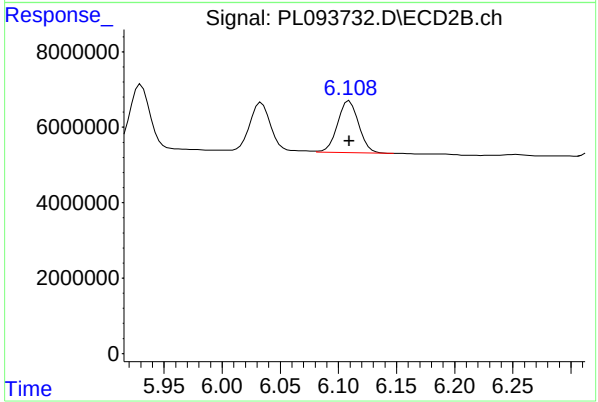
#17 4,4'-DDT

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



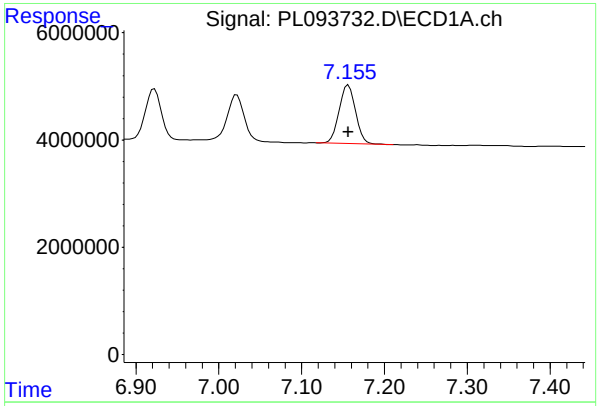
#18 Endrin aldehyde

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



#18 Endrin aldehyde

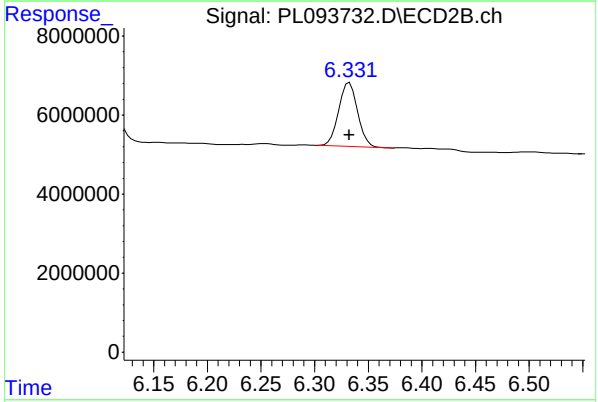
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

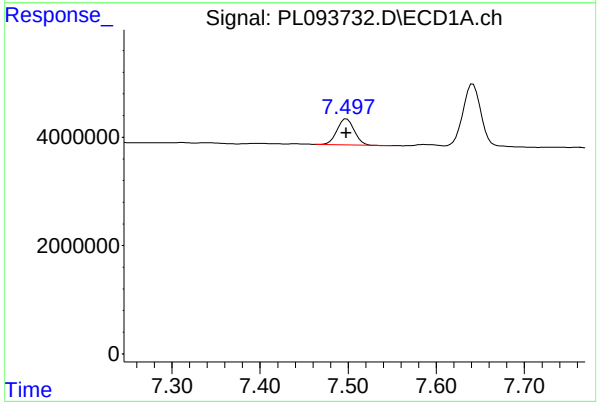
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



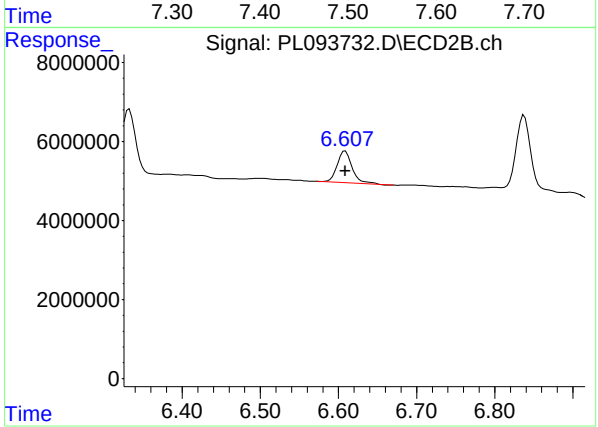
#19 Endosulfan Sulfate

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



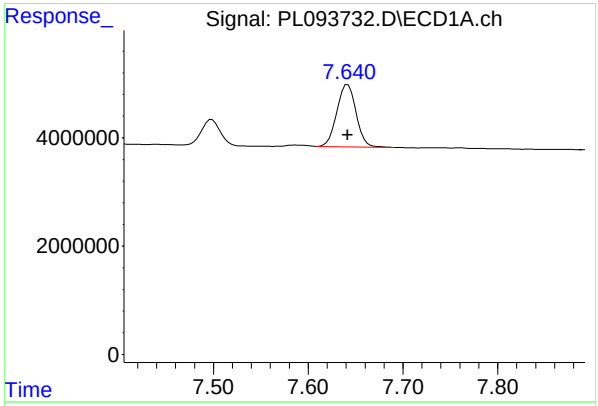
#20 Methoxychlor

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



#20 Methoxychlor

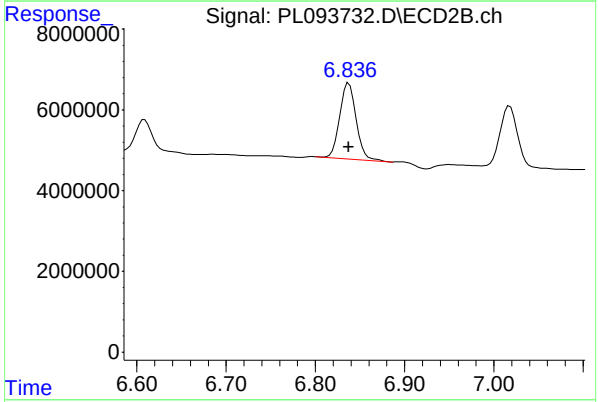
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

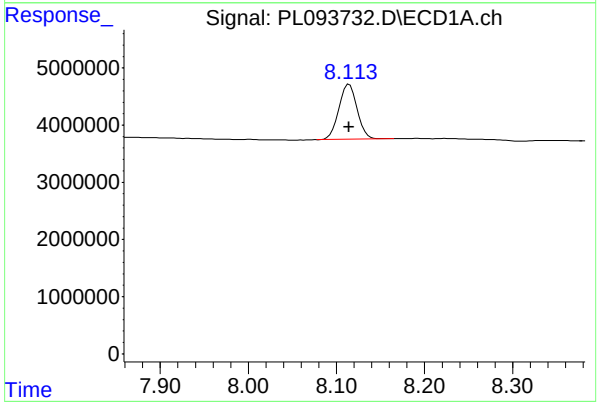
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 16285626
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



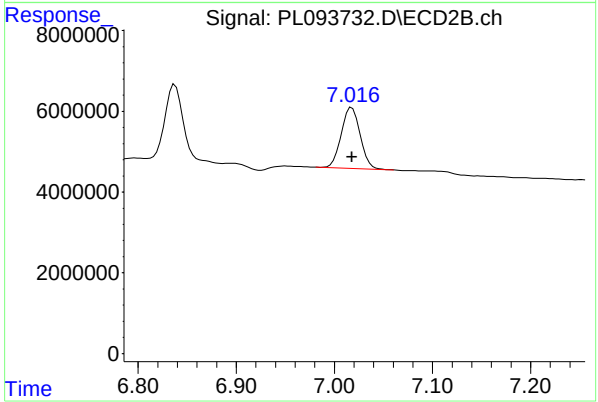
#21 Endrin ketone

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



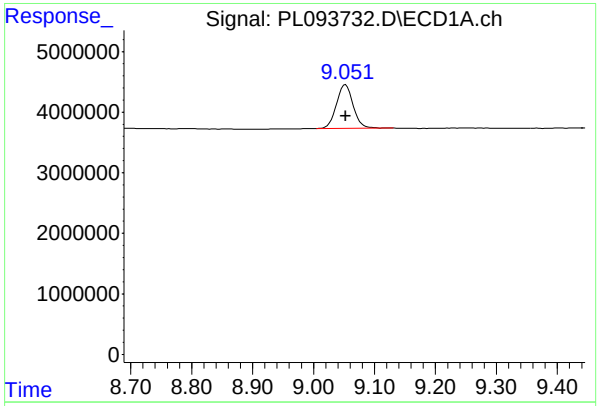
#22 Mirex

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



#22 Mirex

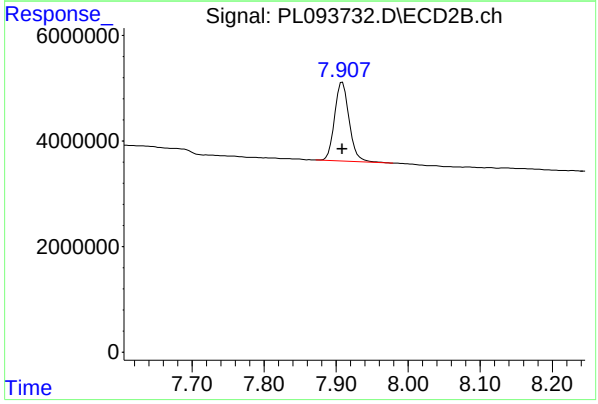
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

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

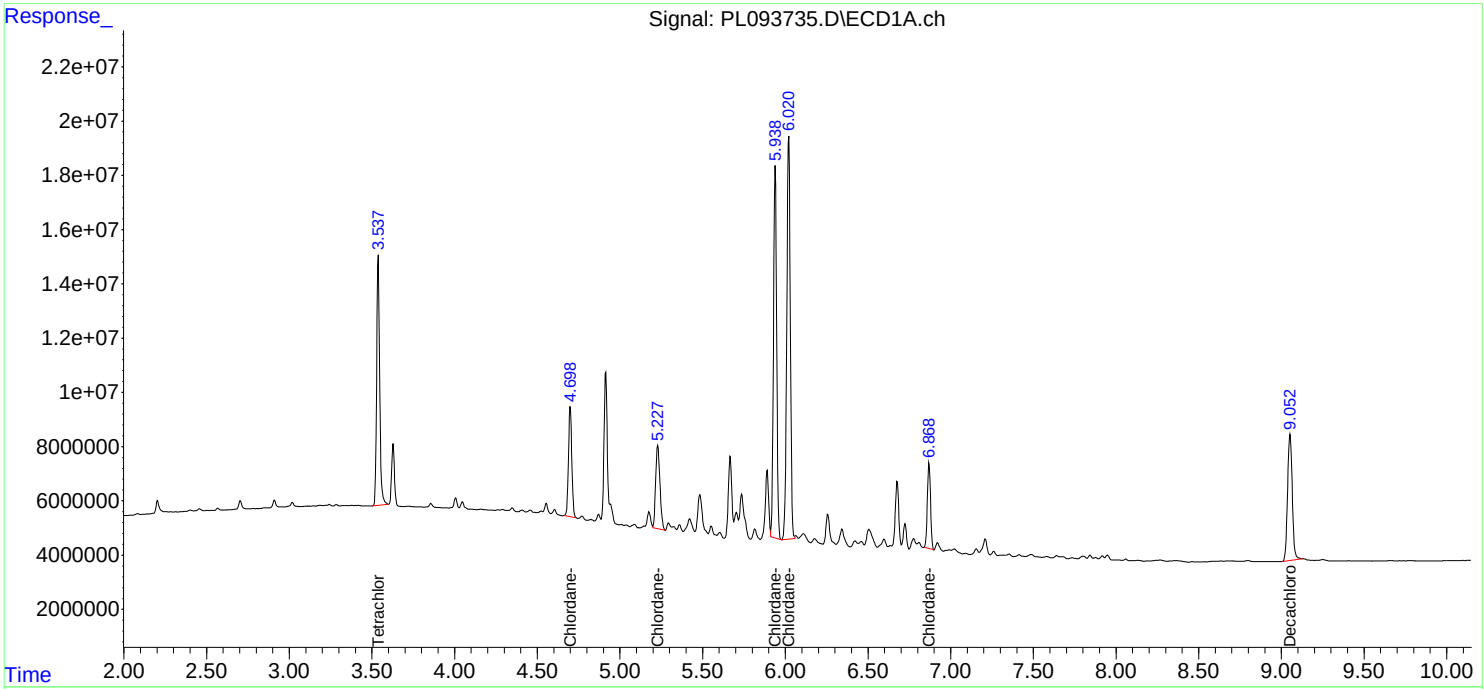
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

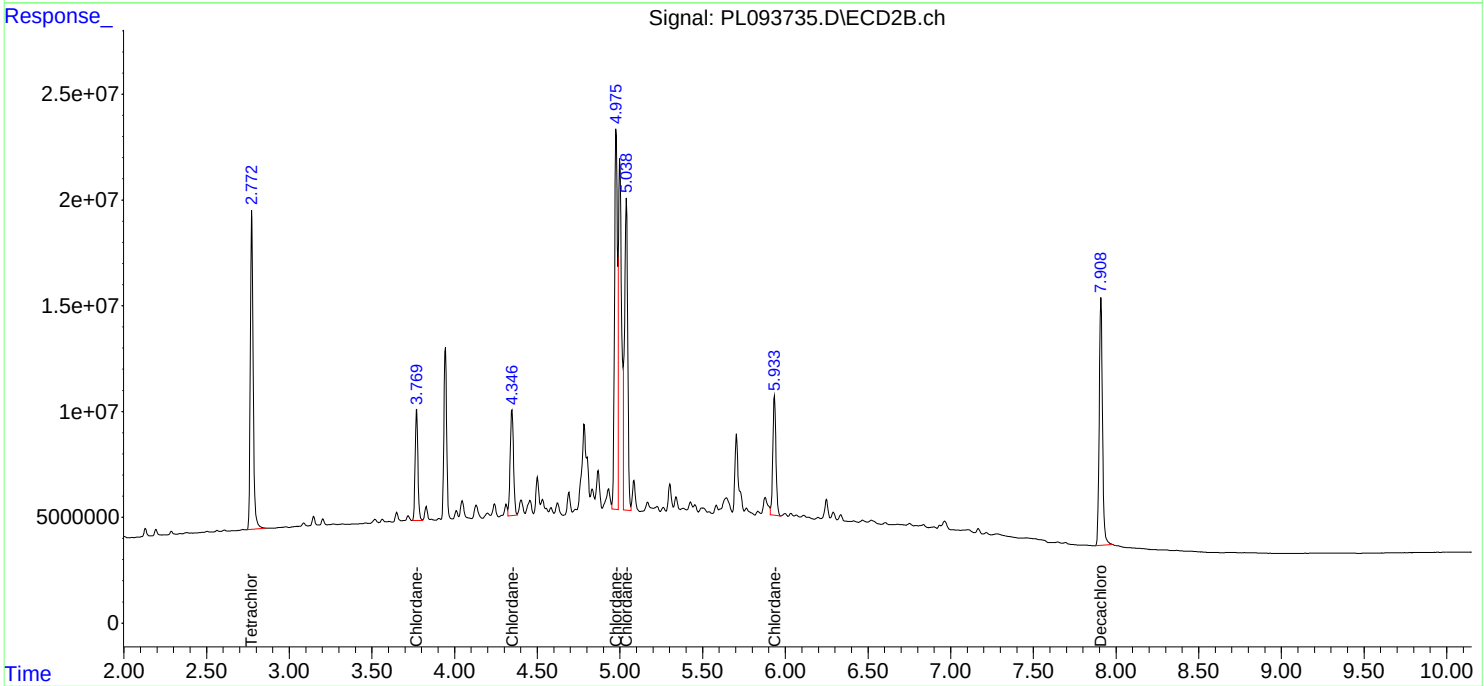
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

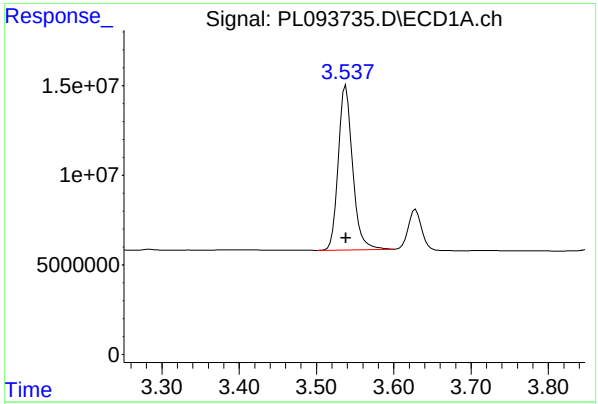
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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



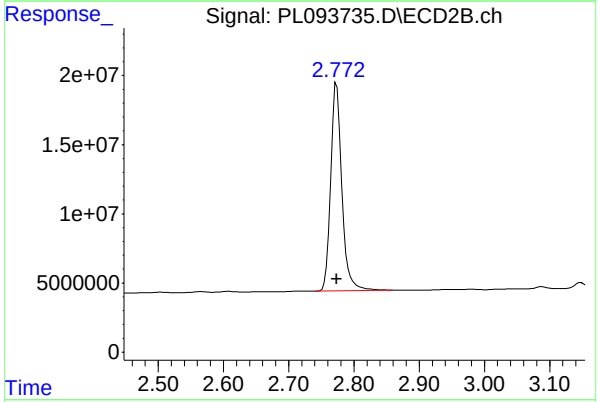




#1 Tetrachloro-m-xylene

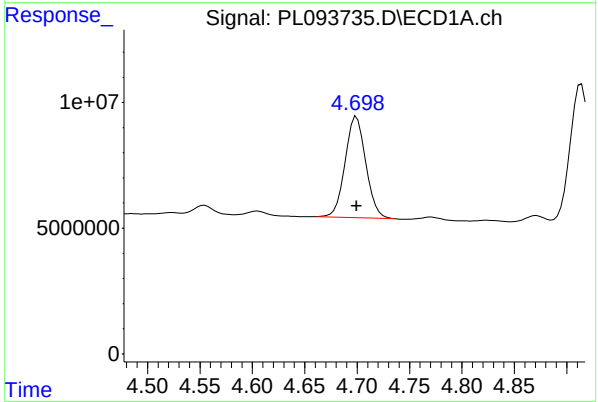
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



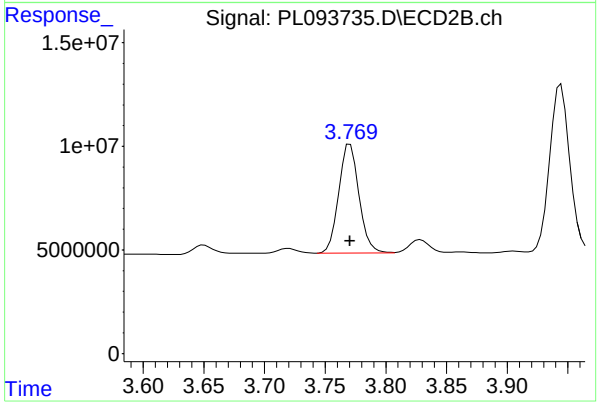
#1 Tetrachloro-m-xylene

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



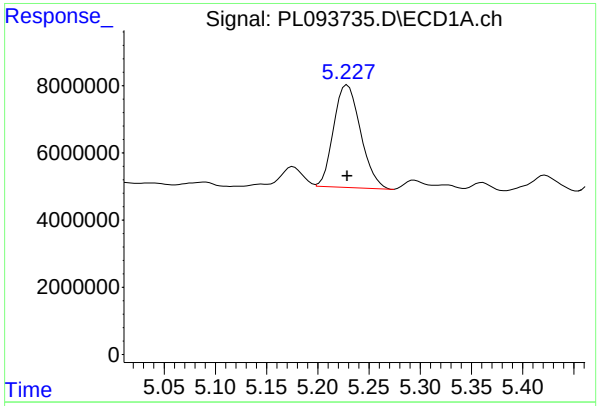
#23 Chlordane-1

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



#23 Chlordane-1

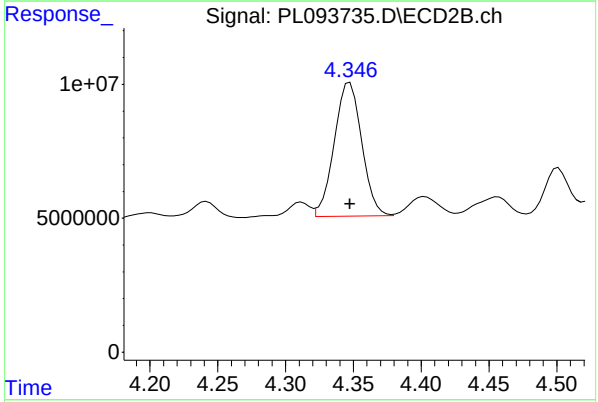
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

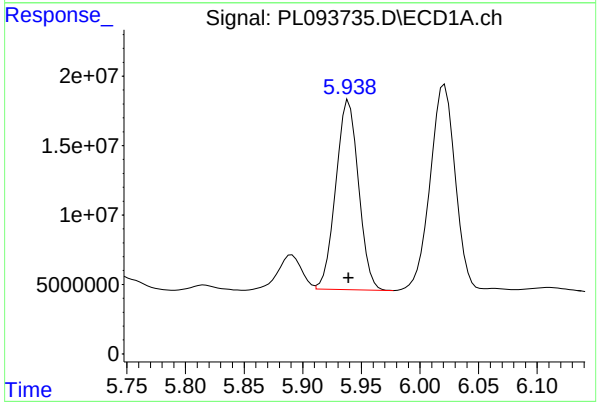
R.T.: 5.229 min
Delta R.T.: 0.000 mi
Response: 55911116
Conc: 500.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



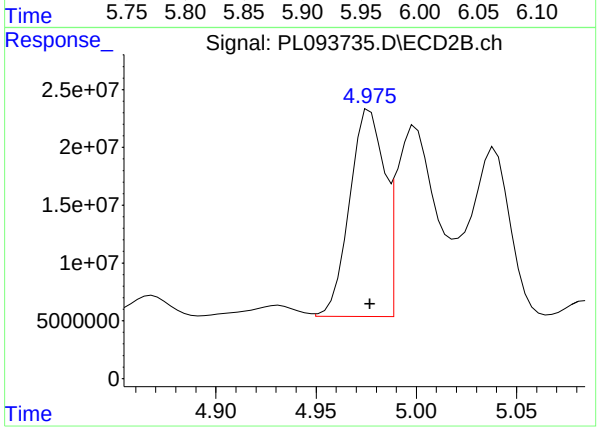
#24 Chlordane-2

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



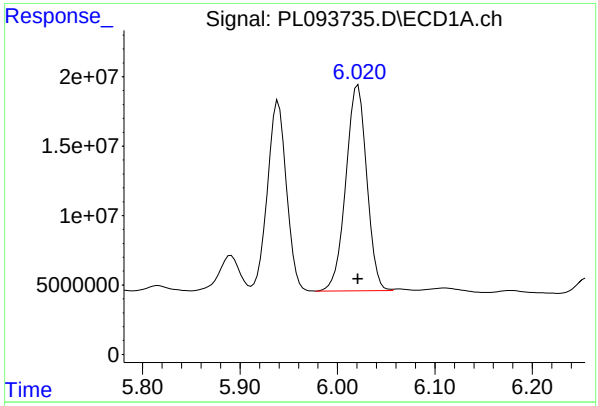
#25 Chlordane-3

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



#25 Chlordane-3

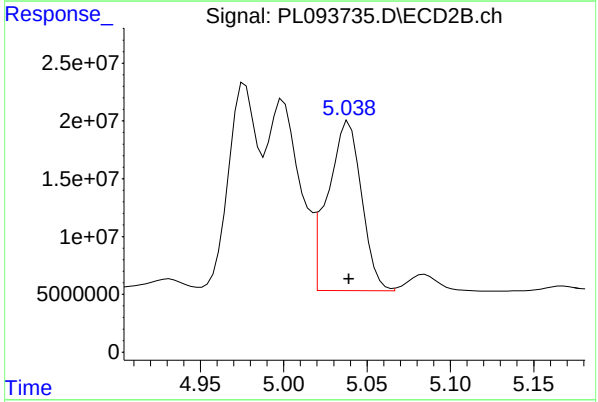
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

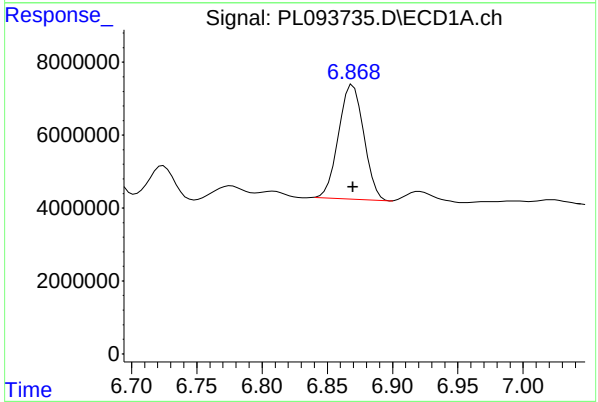
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



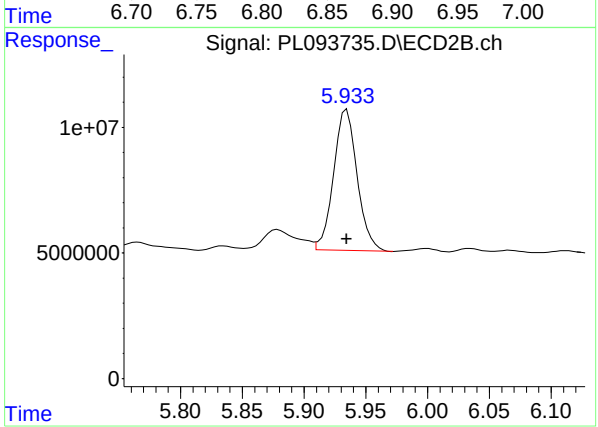
#26 Chlordane-4

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



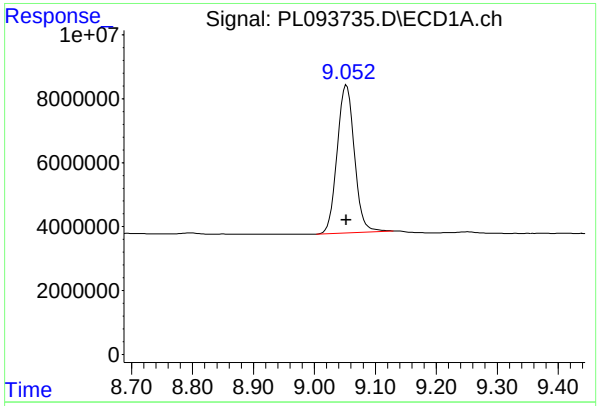
#27 Chlordane-5

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



#27 Chlordane-5

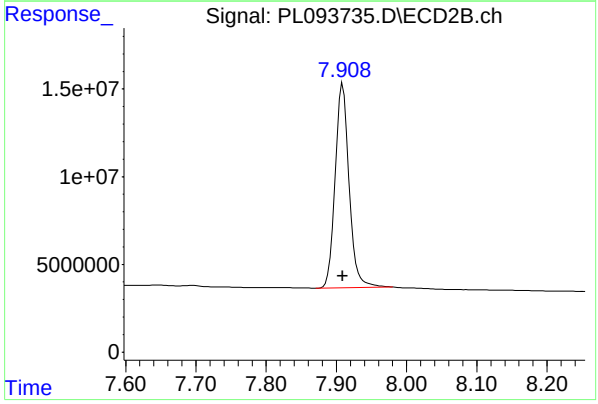
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 74355315
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 91356144
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 160259410
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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

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

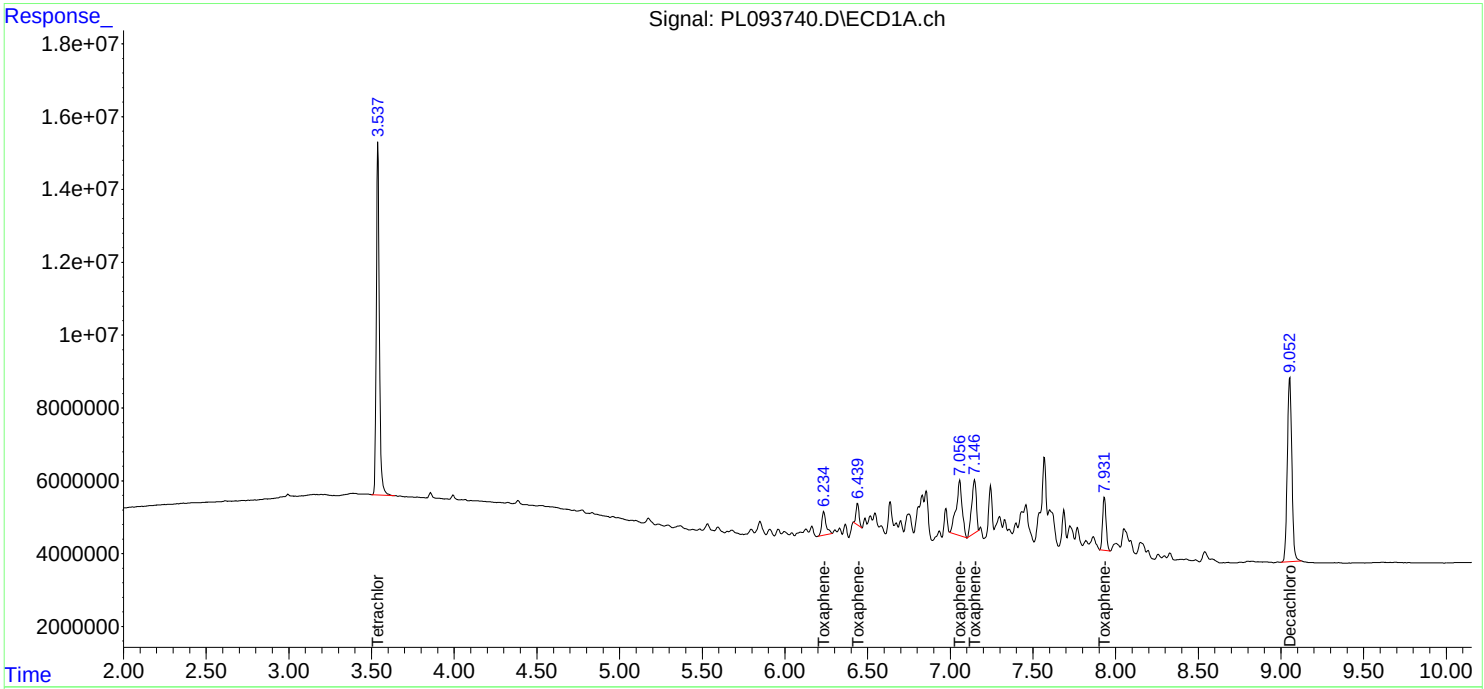
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

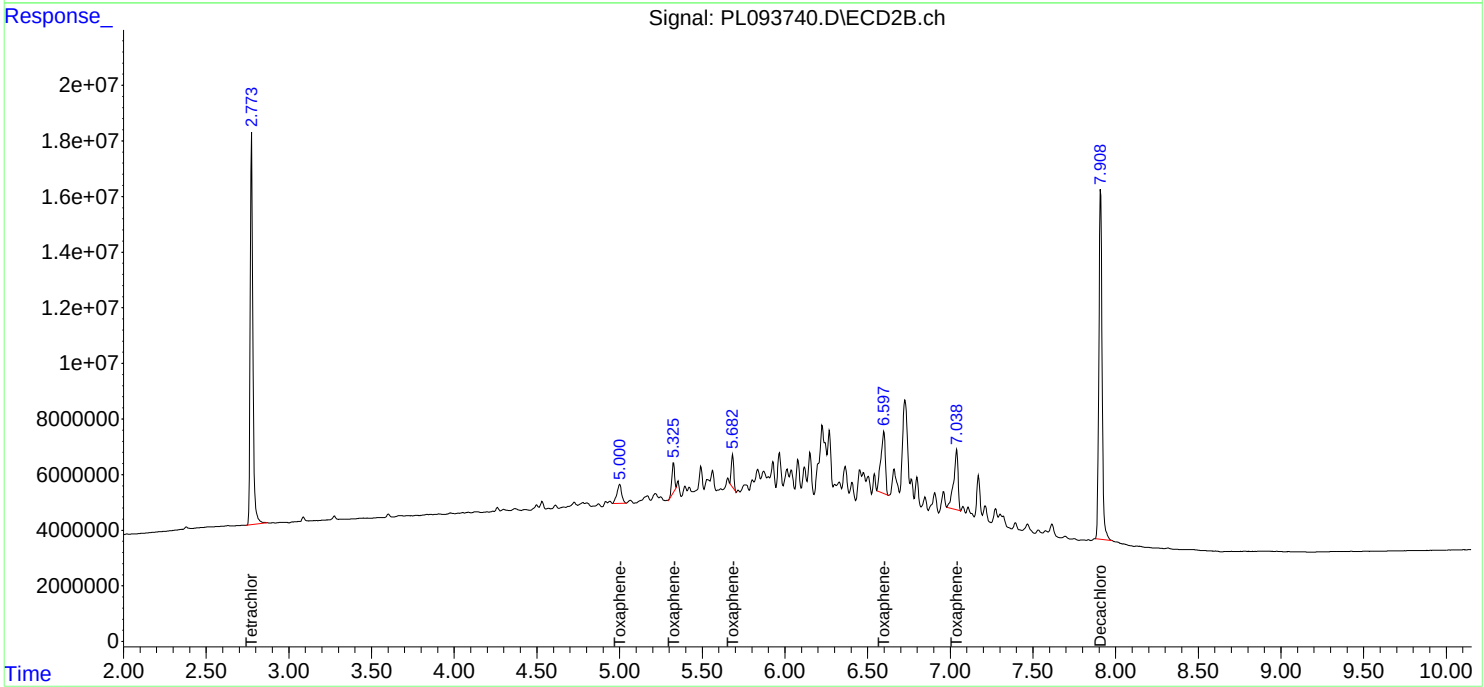
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

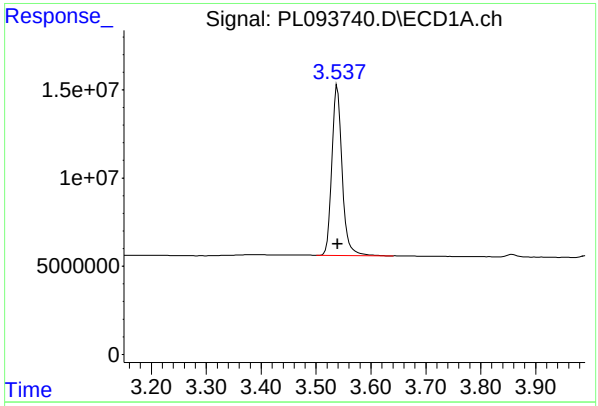
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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



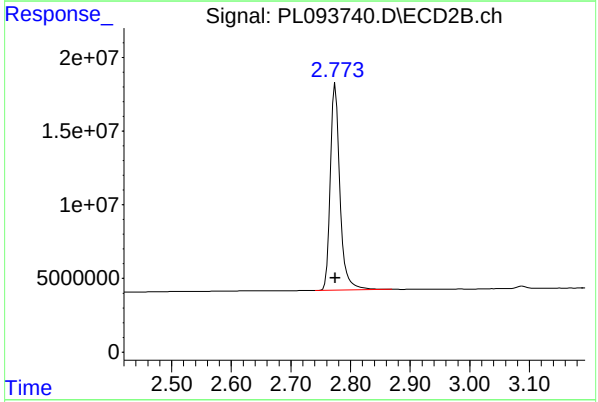




#1 Tetrachloro-m-xylene

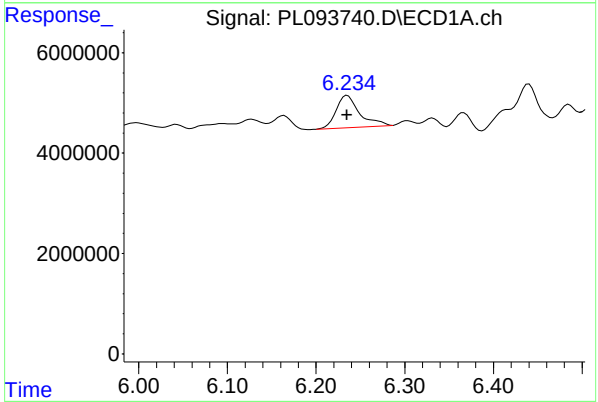
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



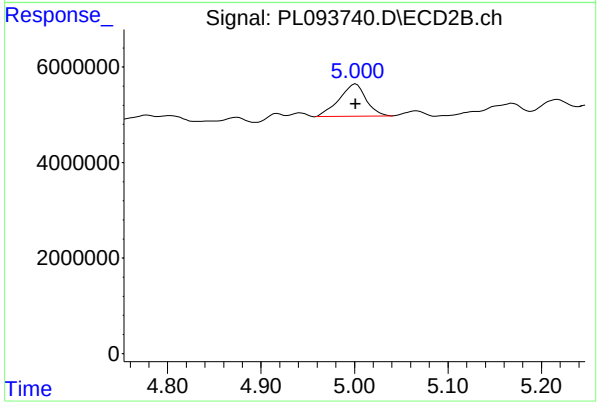
#1 Tetrachloro-m-xylene

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



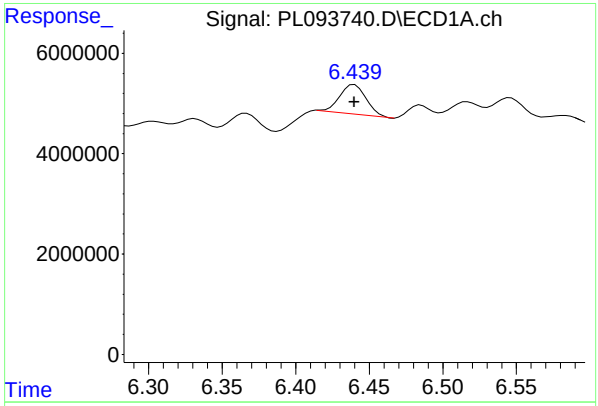
#2 Toxaphene-1

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



#2 Toxaphene-1

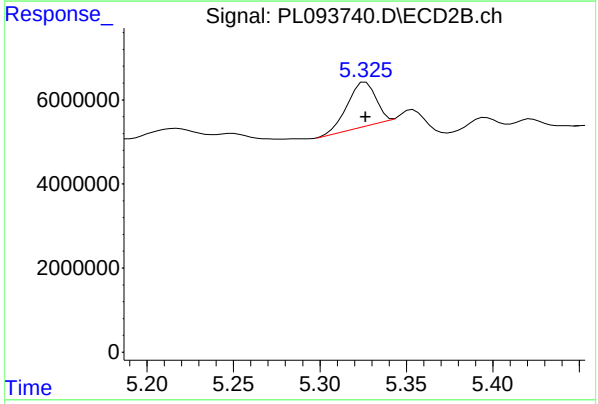
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

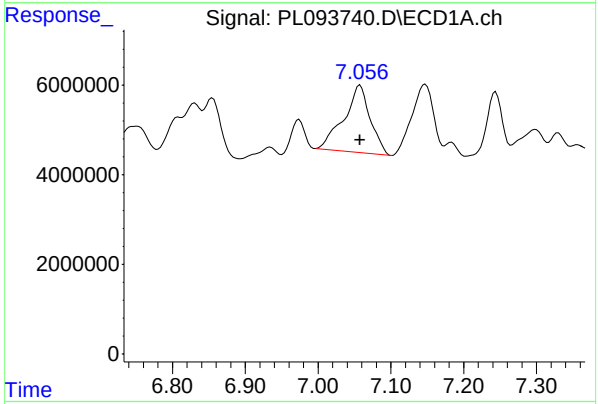
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



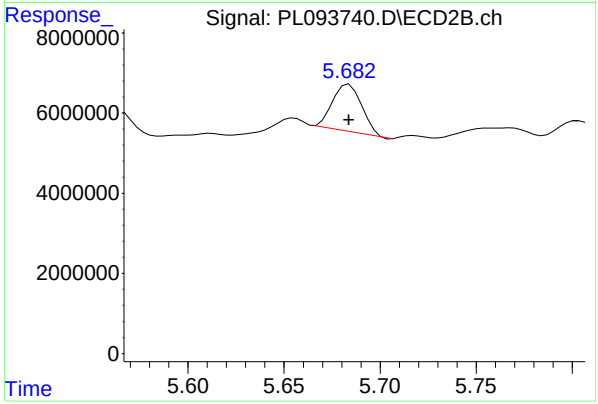
#3 Toxaphene-2

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



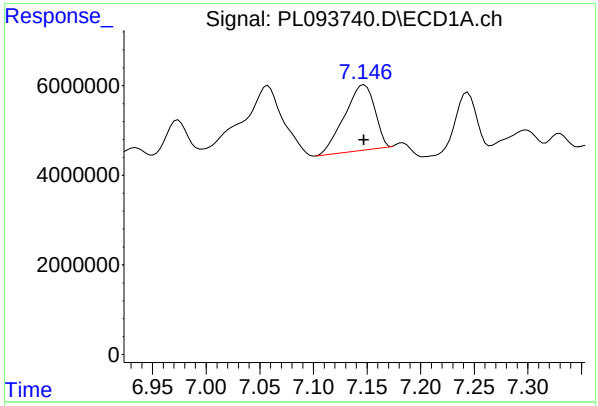
#4 Toxaphene-3

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



#4 Toxaphene-3

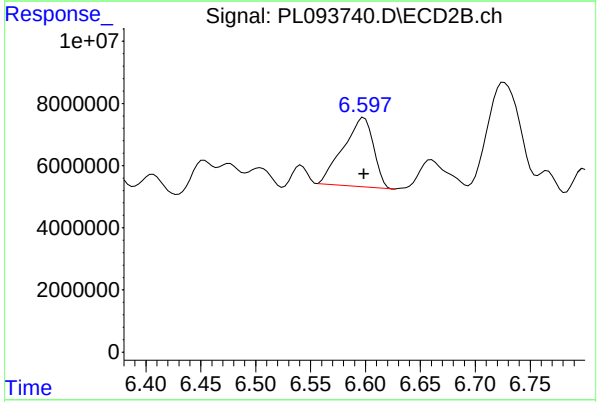
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

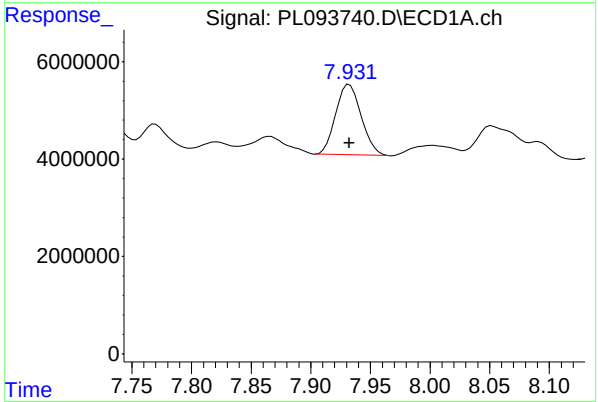
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



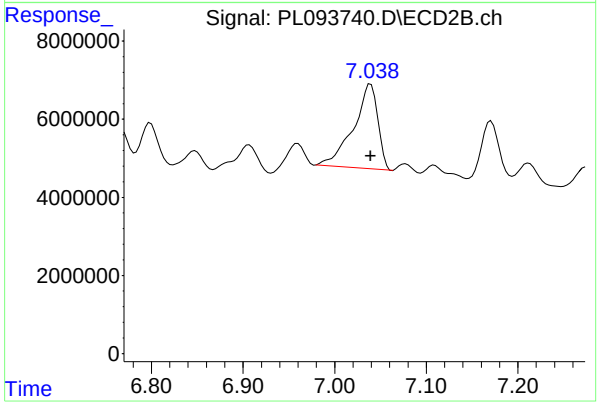
#5 Toxaphene-4

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



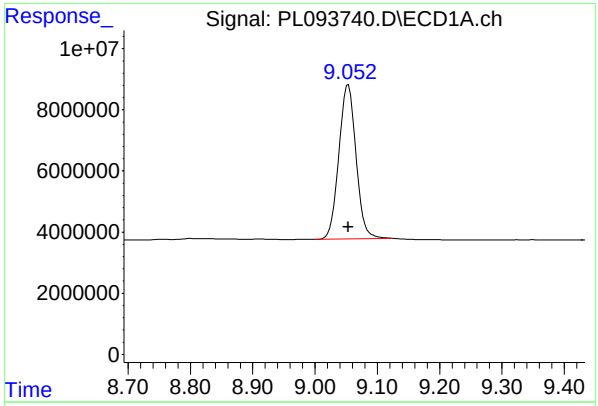
#6 Toxaphene-5

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



#6 Toxaphene-5

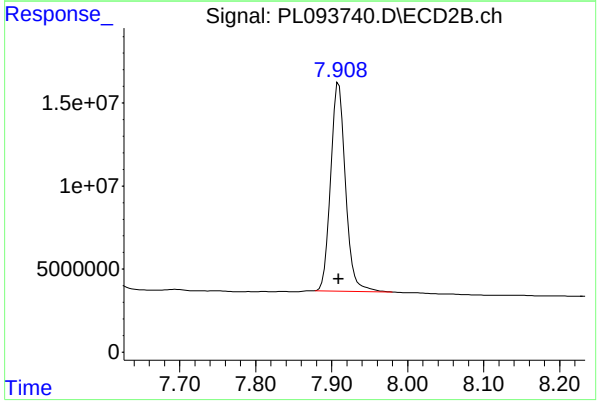
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument : ECD_L
ClientSampleId : ICVPL012125

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

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

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

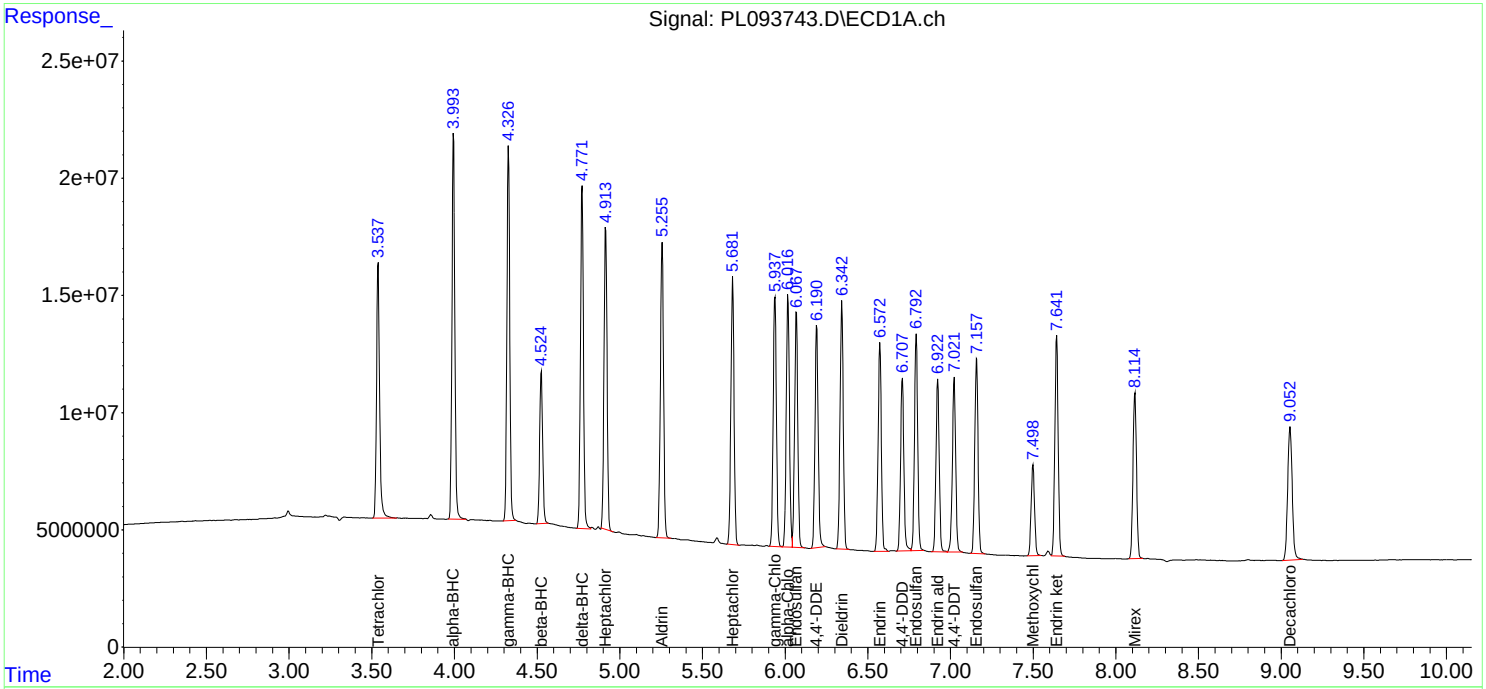
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

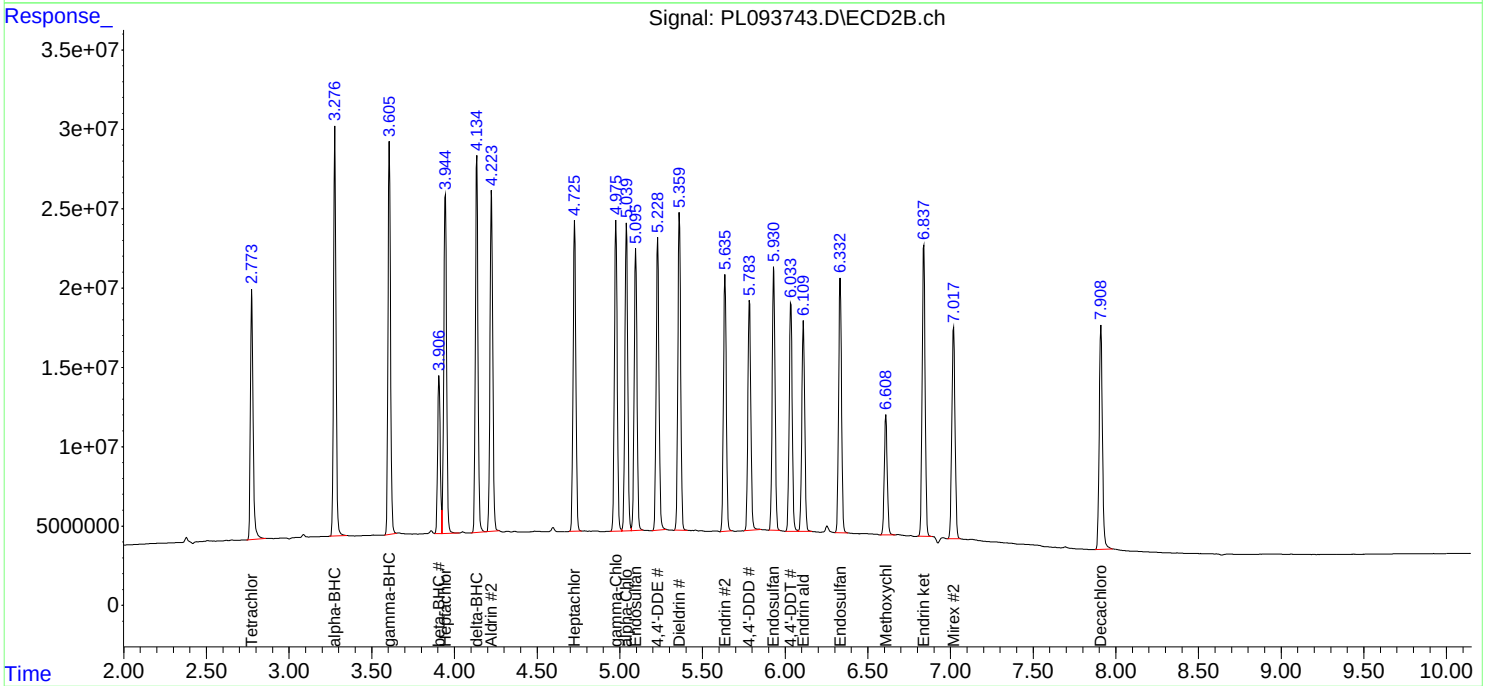
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

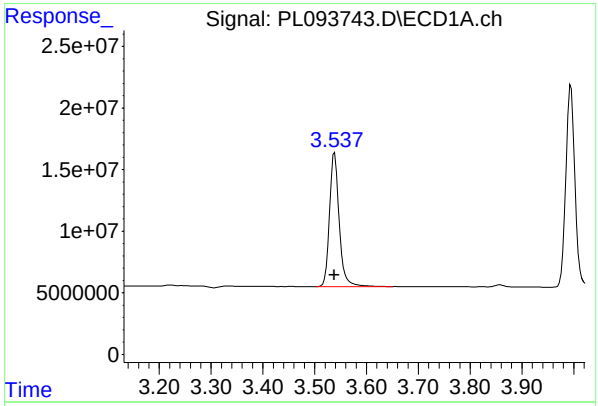
Instrument :
ECD_L
ClientSampleId :
ICVPL012125

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

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



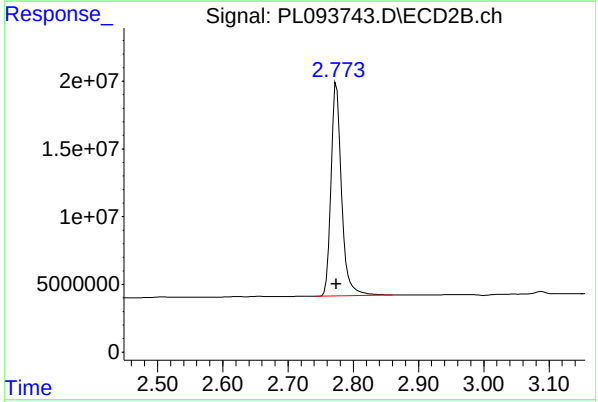




#1 Tetrachloro-m-xylene

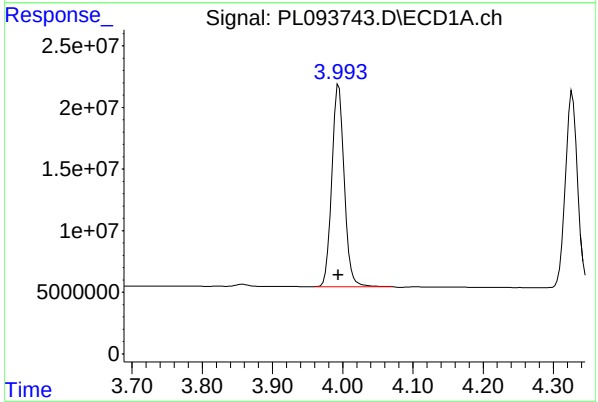
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



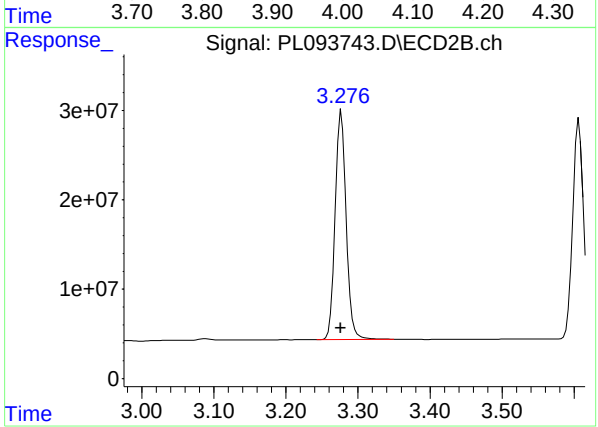
#1 Tetrachloro-m-xylene

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



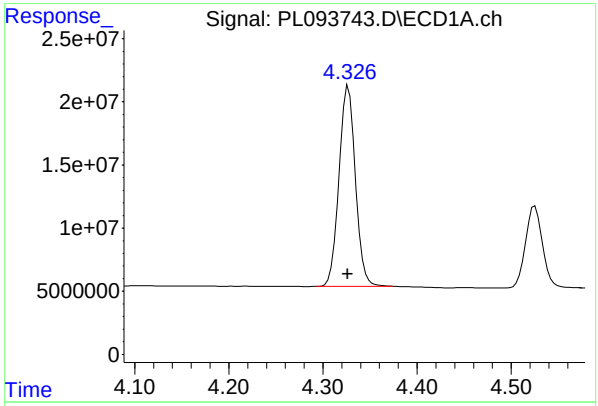
#2 alpha-BHC

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



#2 alpha-BHC

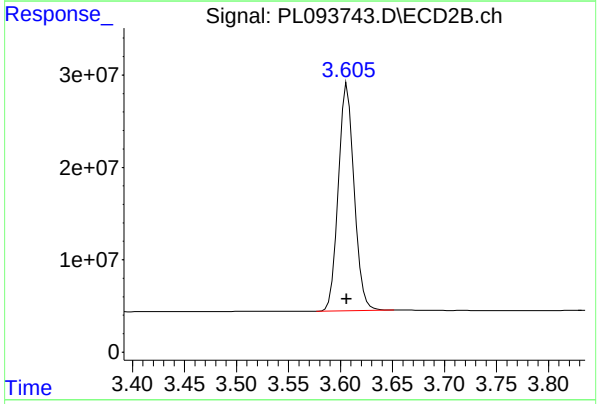
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

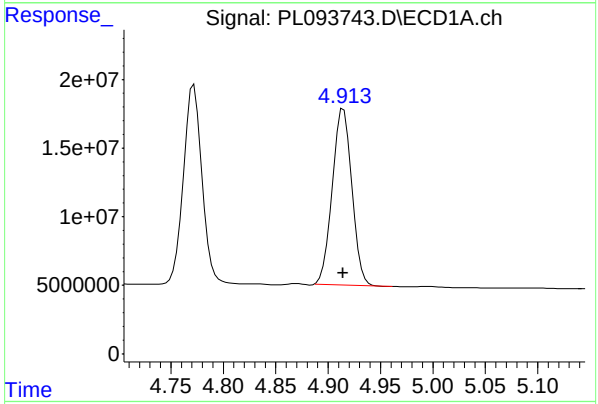
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



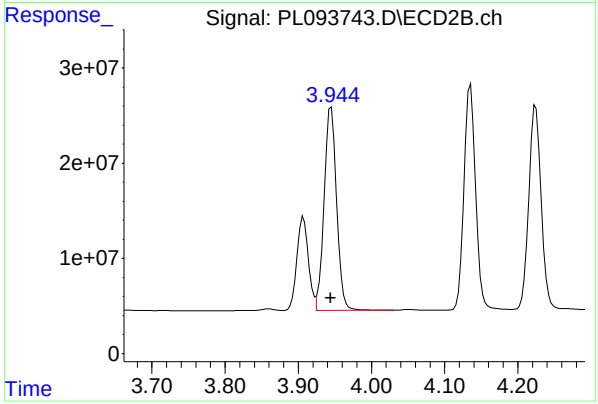
#3 gamma-BHC (Lindane)

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



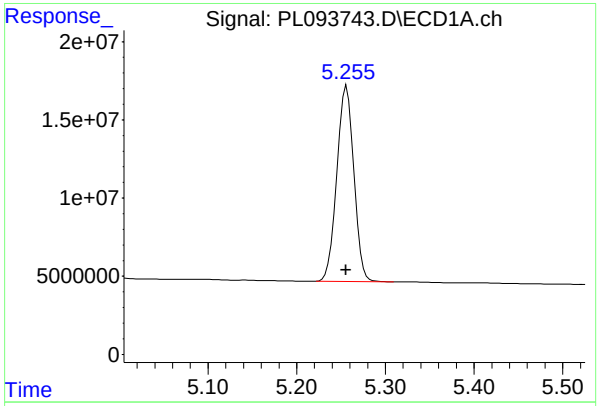
#4 Heptachlor

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



#4 Heptachlor

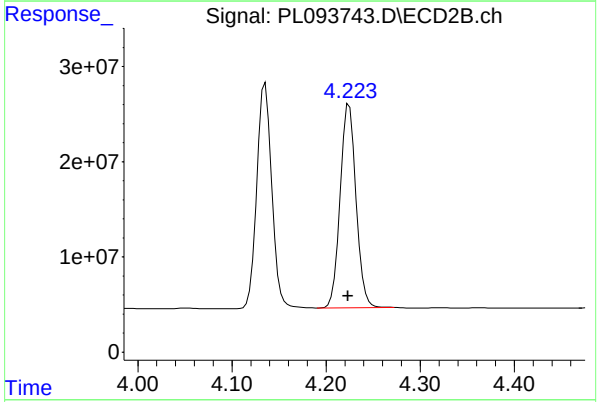
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

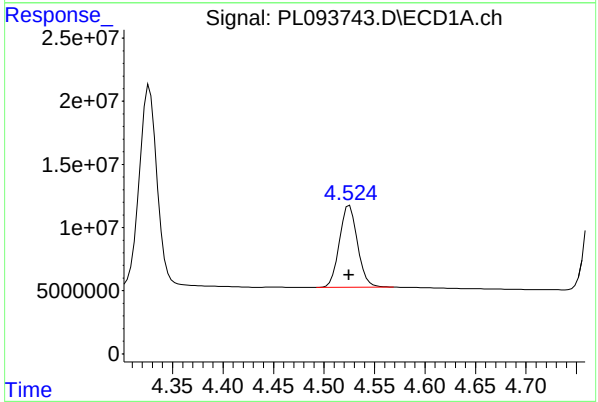
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



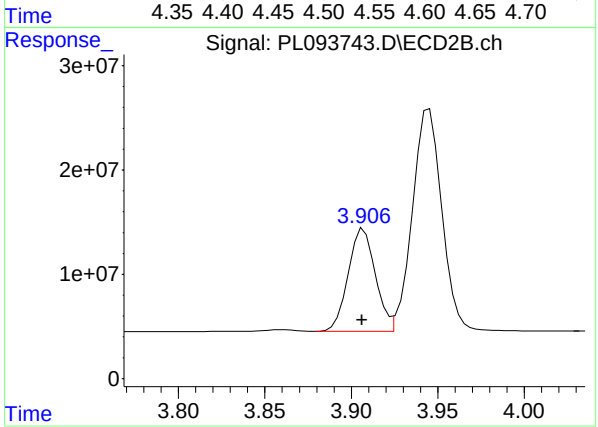
#5 Aldrin

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



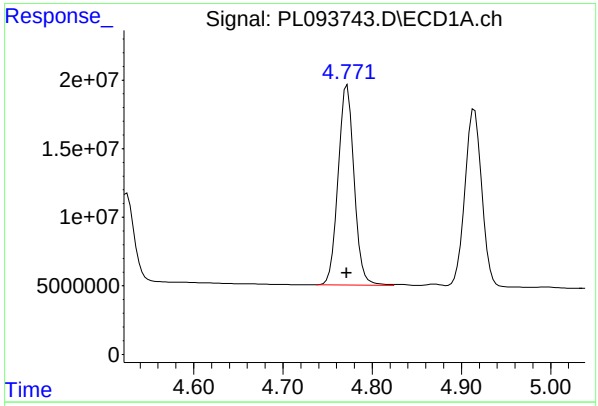
#6 beta-BHC

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



#6 beta-BHC

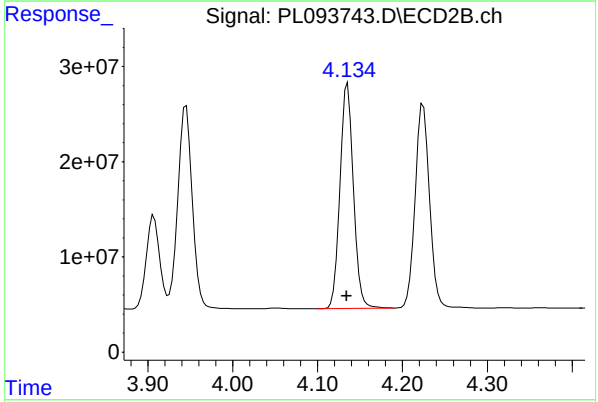
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

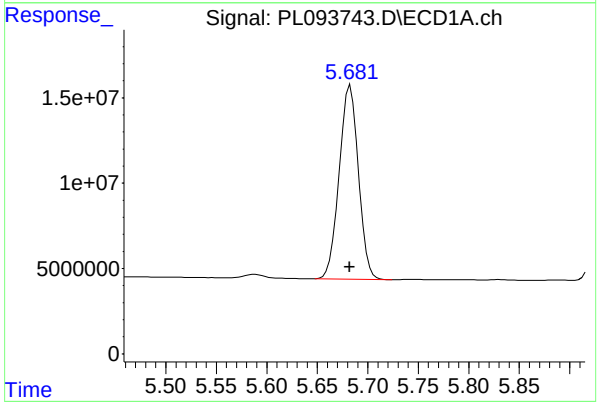
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



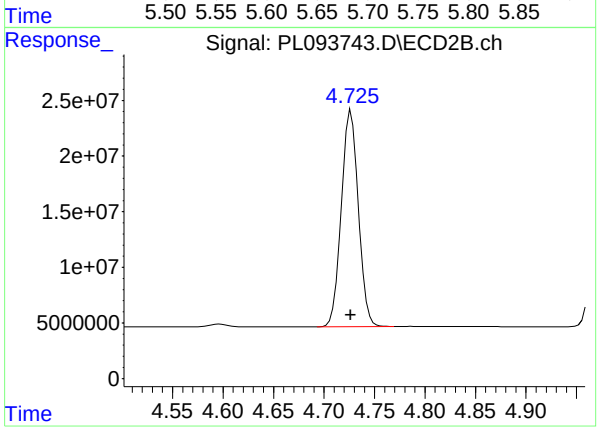
#7 delta-BHC

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



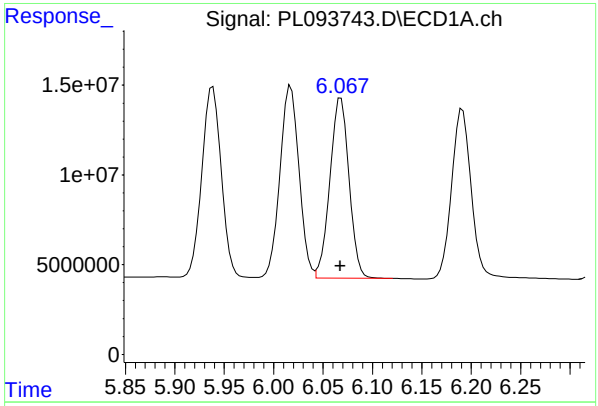
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

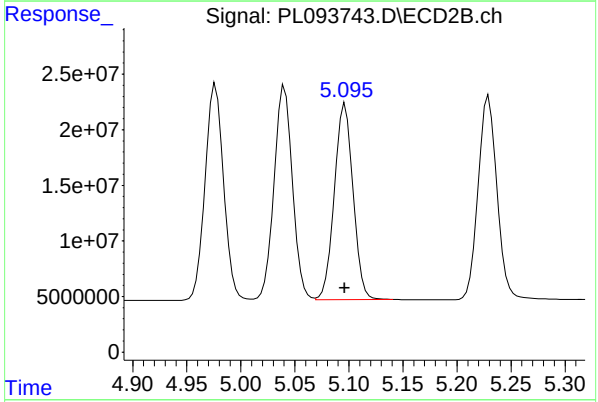
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

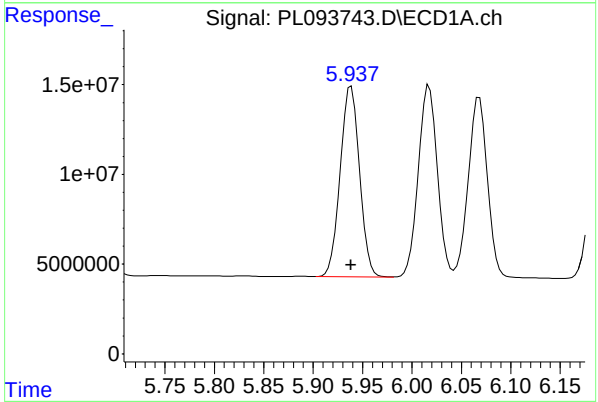
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



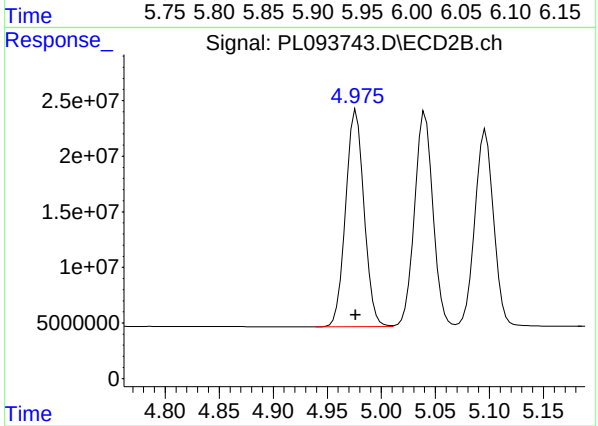
#9 Endosulfan I

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



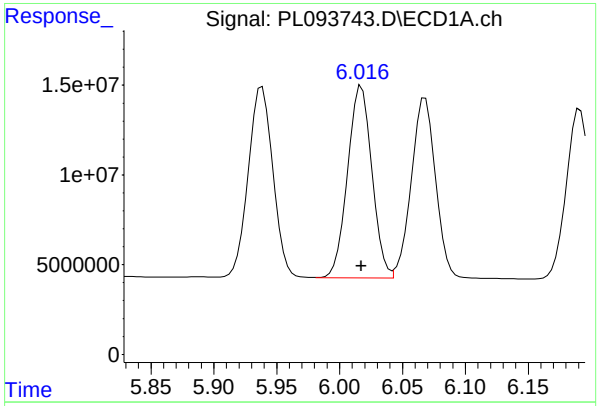
#10 gamma-Chlordane

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



#10 gamma-Chlordane

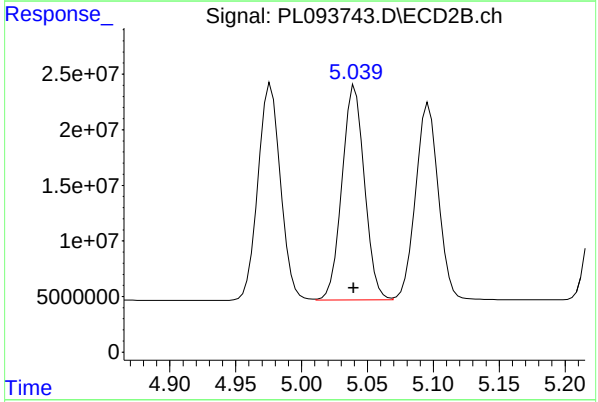
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

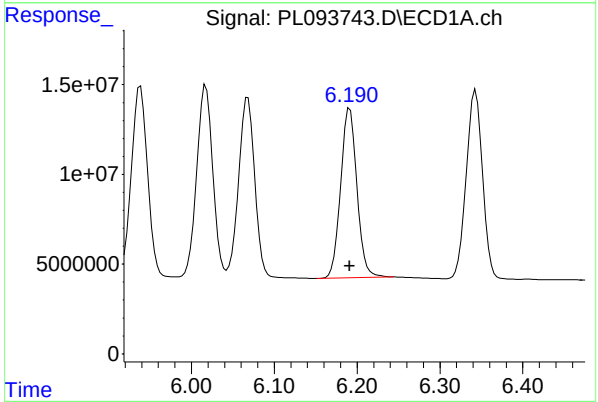
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 143803294
Conc: 51.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



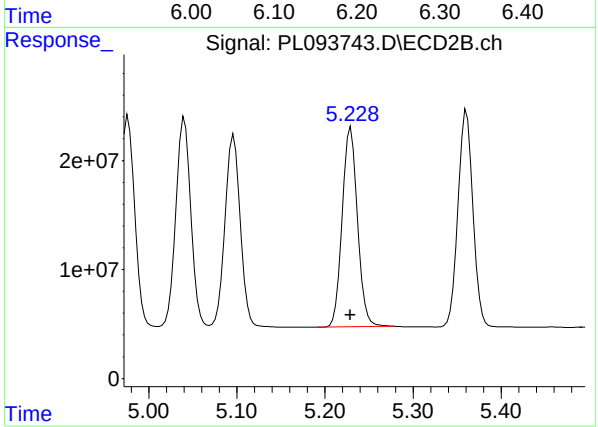
#11 alpha-Chlordane

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



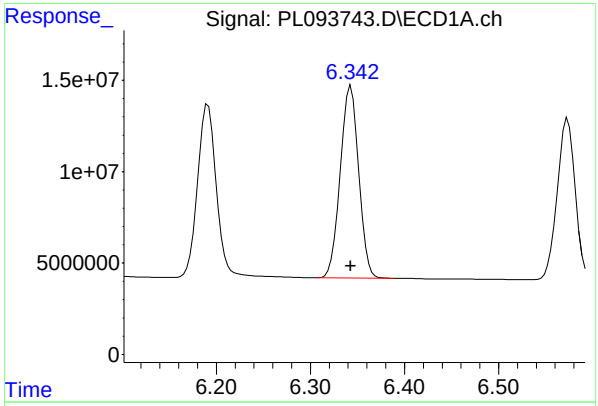
#12 4,4'-DDE

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



#12 4,4'-DDE

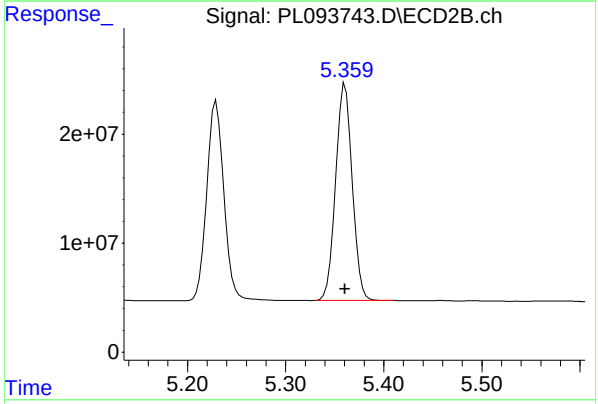
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

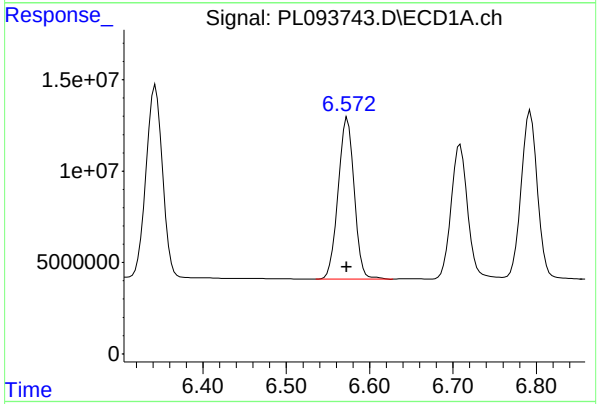
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



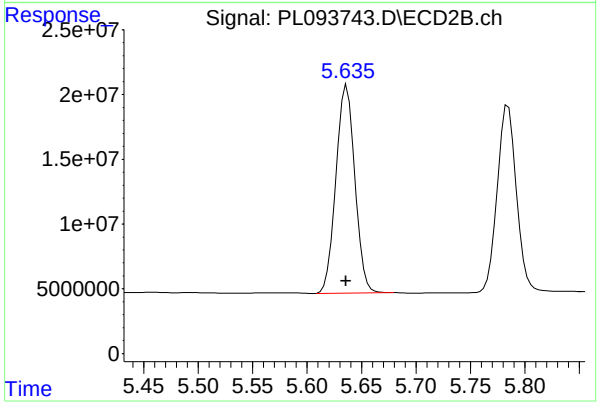
#13 Dieldrin

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



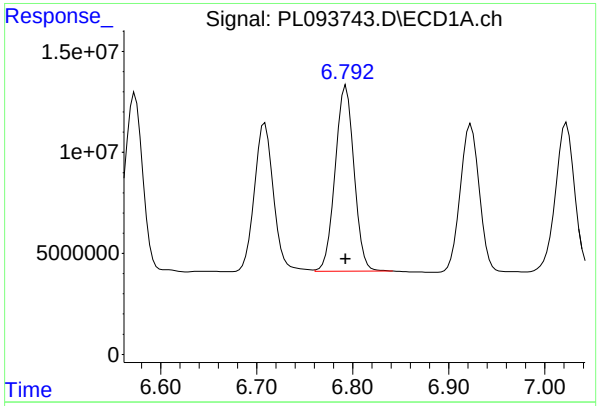
#14 Endrin

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



#14 Endrin

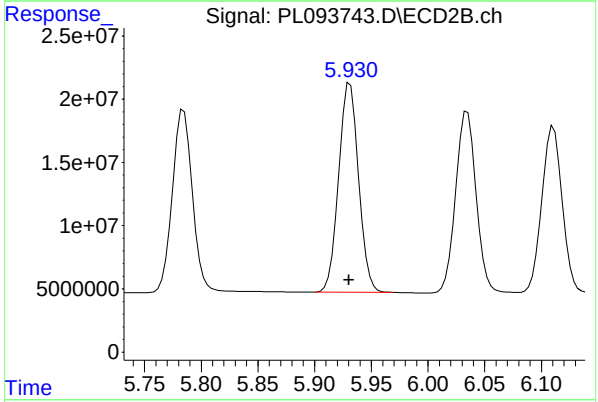
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

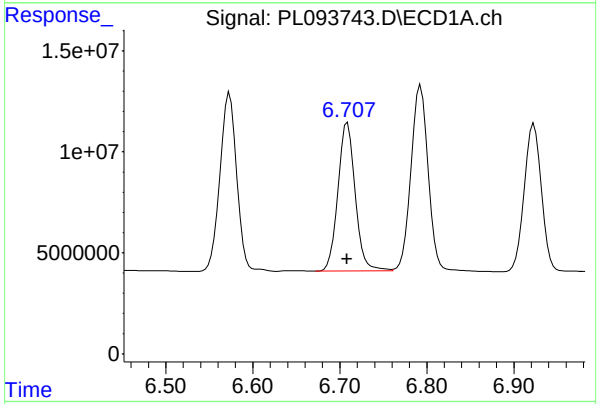
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



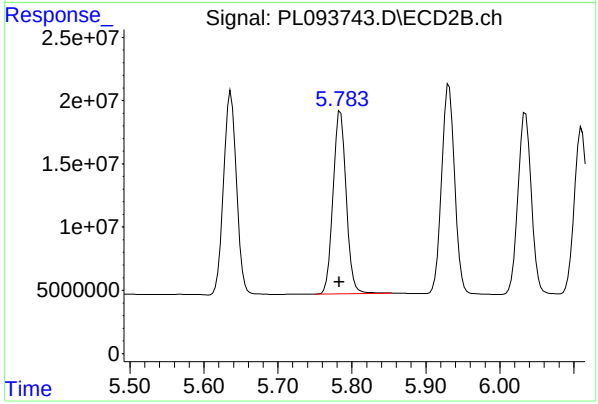
#15 Endosulfan II

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



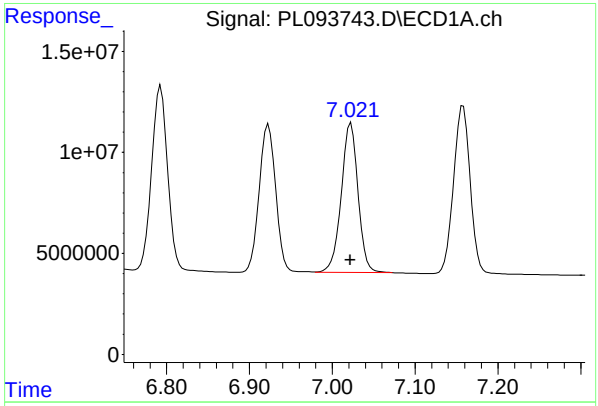
#16 4,4'-DDD

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



#16 4,4'-DDD

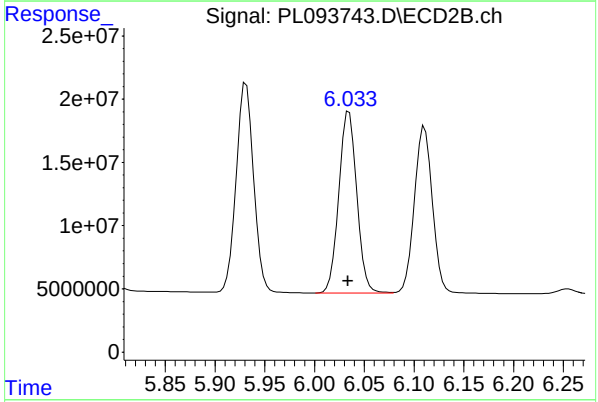
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

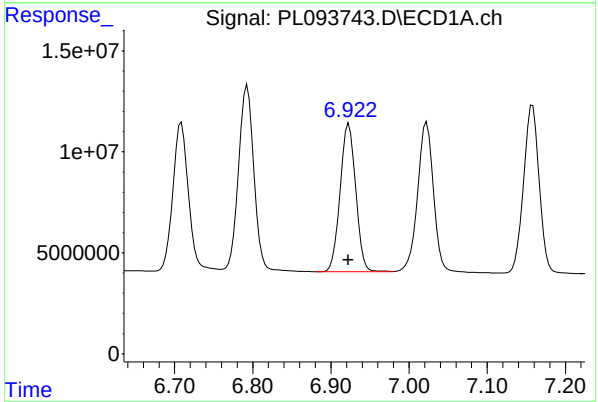
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



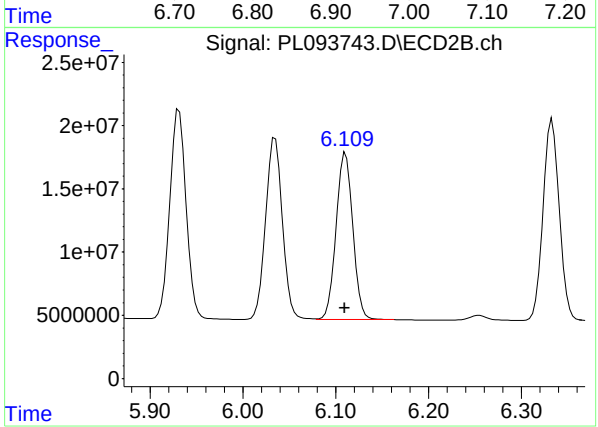
#17 4,4'-DDT

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



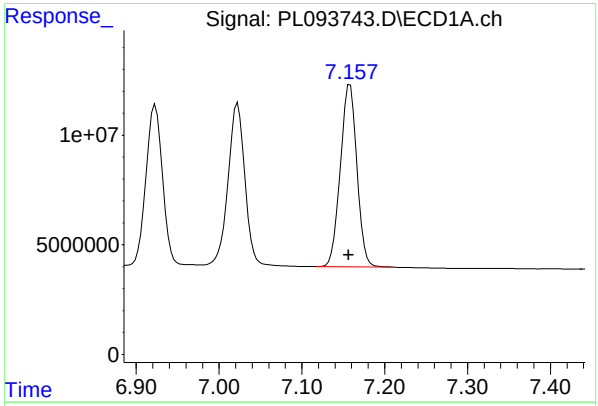
#18 Endrin aldehyde

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



#18 Endrin aldehyde

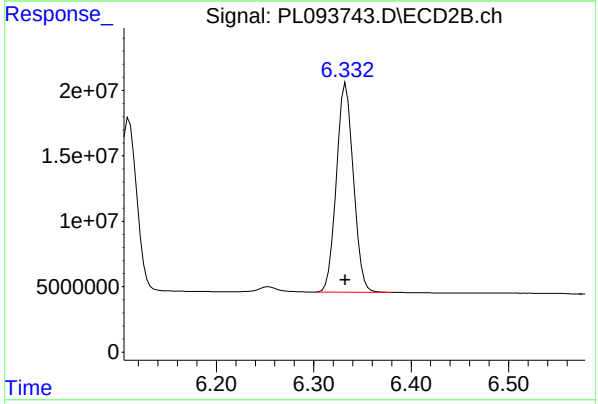
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

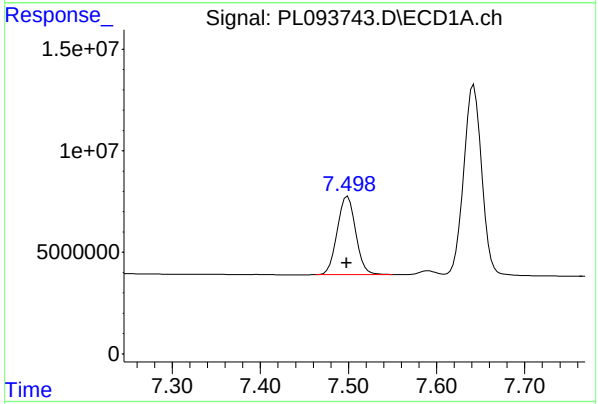
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



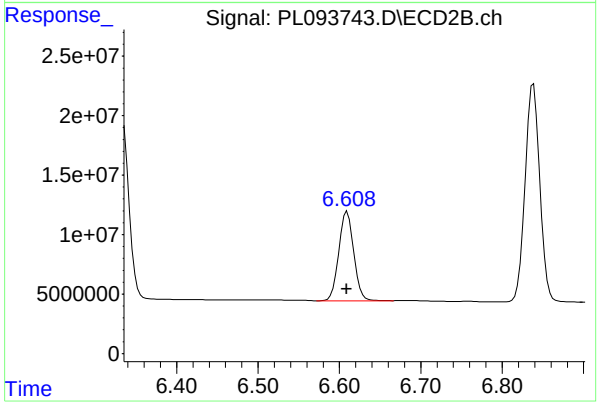
#19 Endosulfan Sulfate

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



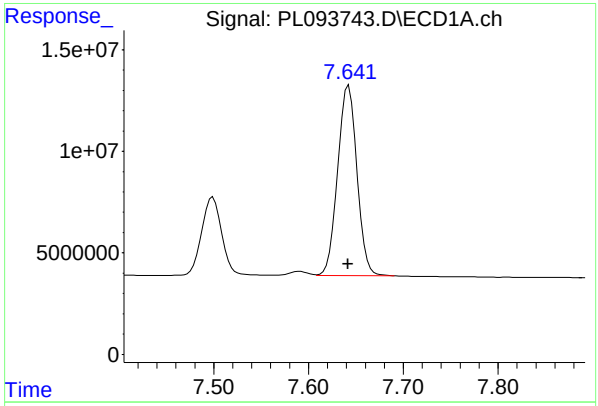
#20 Methoxychlor

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



#20 Methoxychlor

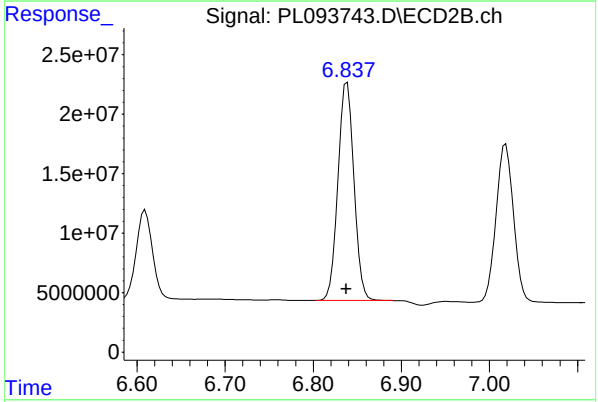
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

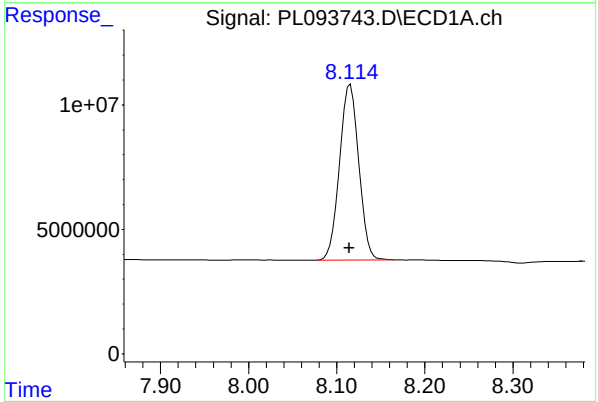
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 132246340
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



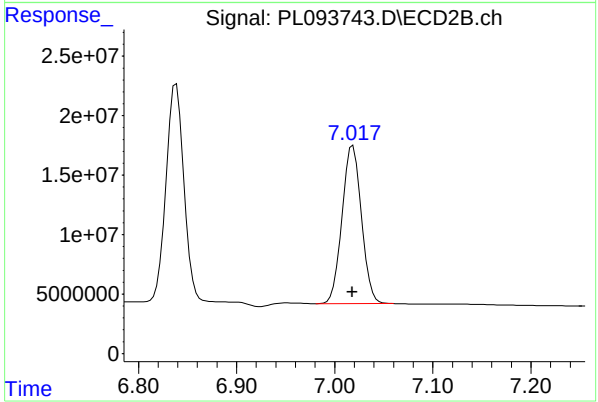
#21 Endrin ketone

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



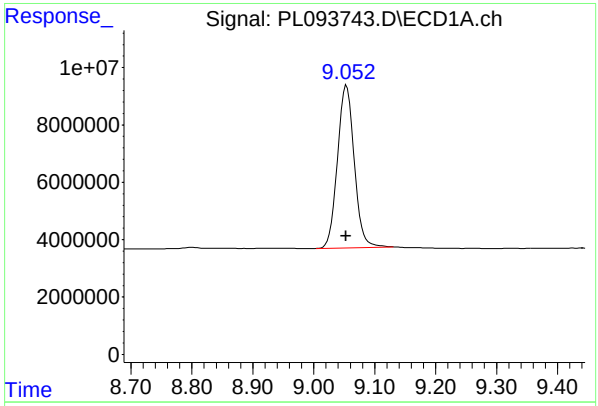
#22 Mirex

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



#22 Mirex

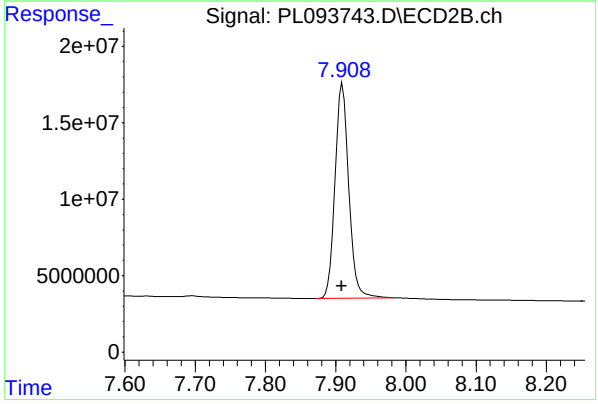
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 182637497
Conc: 54.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 108726317
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 190831116
Conc: 54.46 ng/ml

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 16:30 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 16:30 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL01 **Date Analyzed:** 01/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093854.D **Time Analyzed:** 16:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.060	8.953	9.153	53.100	50.000	6.2
Endrin	6.576	6.472	6.672	53.640	50.000	7.3
gamma-BHC (Lindane)	4.328	4.227	4.427	50.860	50.000	1.7
Heptachlor	4.916	4.814	5.014	52.950	50.000	5.9
Heptachlor epoxide	5.685	5.582	5.782	49.820	50.000	-0.4
Methoxychlor	7.503	7.398	7.598	57.780	50.000	15.6
Tetrachloro-m-xylene	3.539	3.439	3.639	50.560	50.000	1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL01 **Date Analyzed:** 01/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093854.D **Time Analyzed:** 16:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.913	7.810	8.010	53.840	50.000	7.7
Endrin	5.638	5.536	5.736	53.380	50.000	6.8
gamma-BHC (Lindane)	3.607	3.507	3.707	50.260	50.000	0.5
Heptachlor	3.946	3.845	4.045	51.740	50.000	3.5
Heptachlor epoxide	4.728	4.627	4.827	50.190	50.000	0.4
Methoxychlor	6.612	6.509	6.709	55.130	50.000	10.3
Tetrachloro-m-xylene	2.774	2.674	2.874	49.850	50.000	-0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:30
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: Jan 30 00:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	136.1E6	162.7E6	50.556	49.847
28) SA	Decachlor...	9.060	7.913	111.1E6	188.7E6	53.095	53.845
	Target Compounds						
2) A	alpha-BHC	3.995	3.277	197.6E6	251.8E6	51.532	51.494
3) MA	gamma-BHC...	4.328	3.607	187.3E6	238.3E6	50.863	50.260
4) MA	Heptachlor	4.916	3.946	173.5E6	240.8E6	52.952	51.737
5) MB	Aldrin	5.258	4.225	164.0E6	225.2E6	50.110	49.375
6) B	beta-BHC	4.526	3.908	83341036	102.9E6	51.851	51.528
7) B	delta-BHC	4.774	4.136	178.5E6	236.6E6	50.914	49.803
8) B	Heptachlo...	5.685	4.728	148.1E6	209.8E6	49.817	50.191
9) A	Endosulfan I	6.071	5.098	135.1E6	195.1E6	51.115	50.328
10) B	gamma-Chl...	5.941	4.978	145.5E6	222.8E6	52.190	52.576
11) B	alpha-Chl...	6.020	5.042	145.2E6	218.1E6	52.068	52.104
12) B	4,4'-DDE	6.194	5.231	132.3E6	214.2E6	54.342	53.433
13) MA	Dieldrin	6.346	5.362	143.1E6	221.4E6	51.536	51.537
14) MA	Endrin	6.576	5.638	125.8E6	197.1E6	53.640	53.378
15) B	Endosulfa...	6.796	5.933	124.2E6	196.2E6	51.569	52.960
16) A	4,4'-DDD	6.713	5.786	105.5E6	172.2E6	55.519	54.560
17) MA	4,4'-DDT	7.026	6.036	112.4E6	187.1E6	57.003	57.506
18) B	Endrin al...	6.927	6.112	97757005	149.7E6	50.285	49.153
19) B	Endosulfa...	7.161	6.335	116.3E6	186.5E6	51.378	52.290
20) A	Methoxychlor	7.503	6.612	60292061	98587869	57.784	55.134
21) B	Endrin ke...	7.646	6.841	130.9E6	219.2E6	51.896	52.244
22)	Mirex	8.120	7.021	103.9E6	168.7E6	49.883	49.869

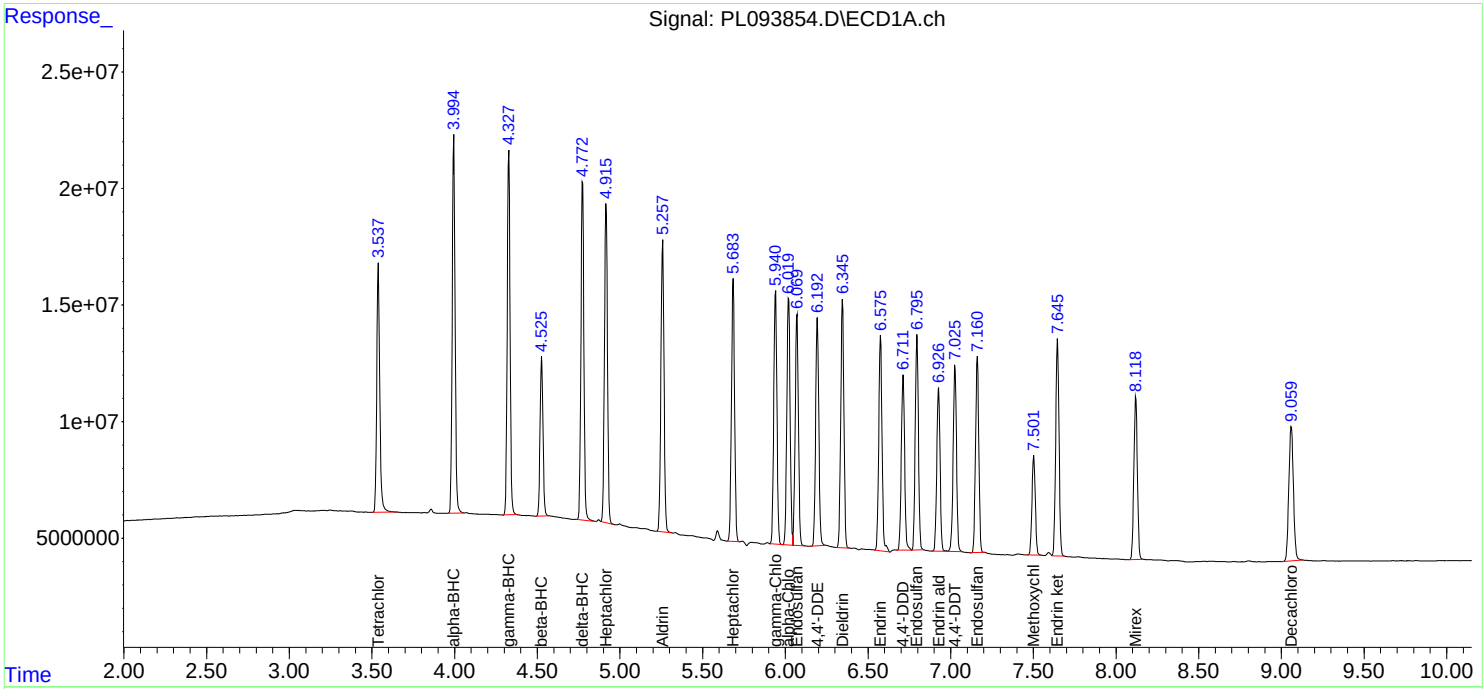
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

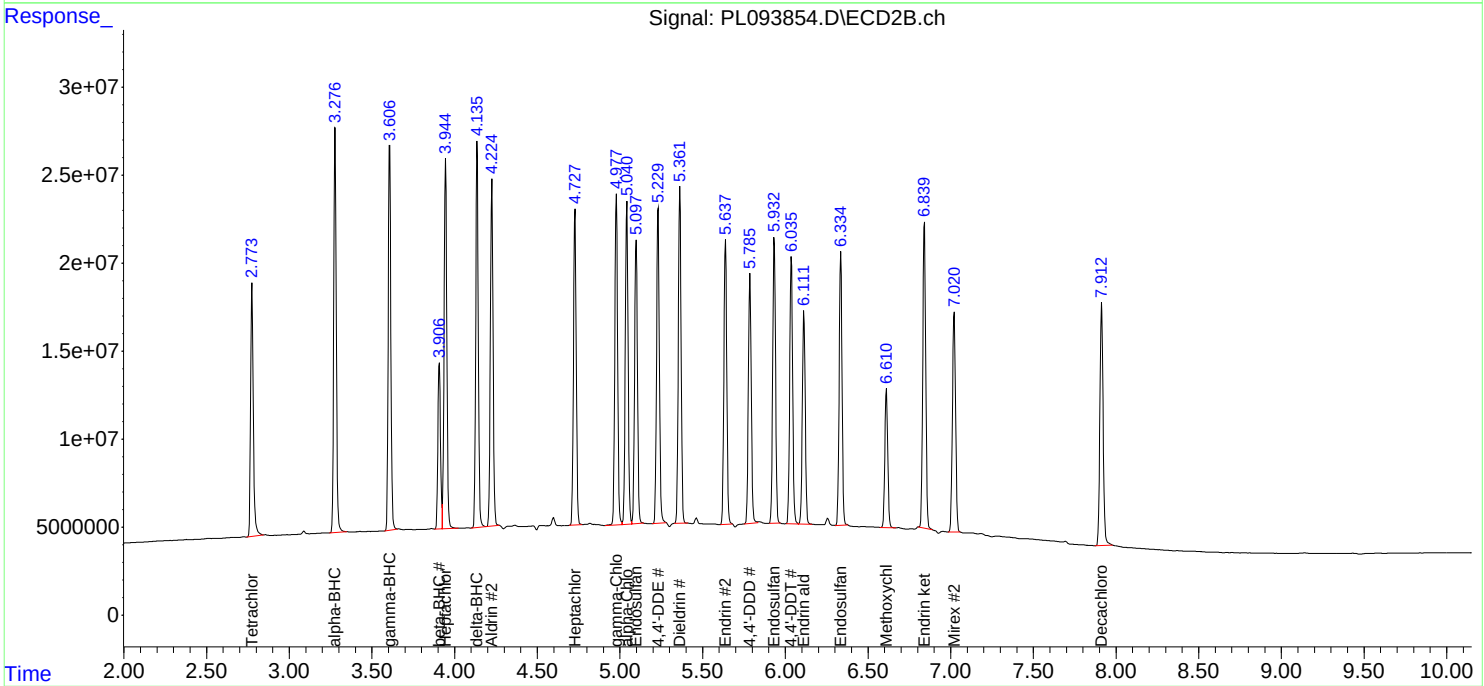
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:30
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

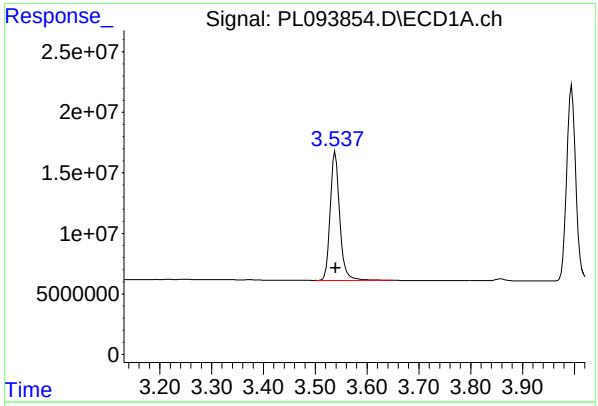
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:26:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



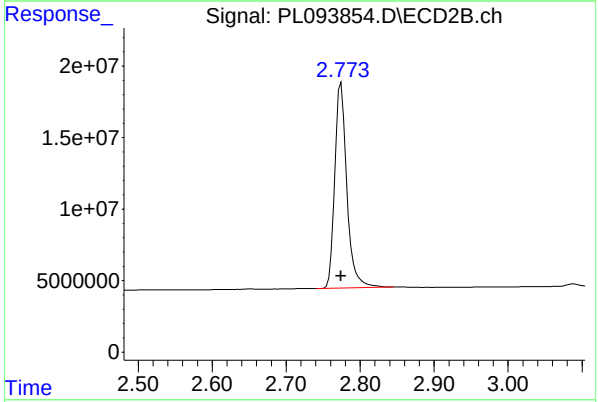




#1 Tetrachloro-m-xylene

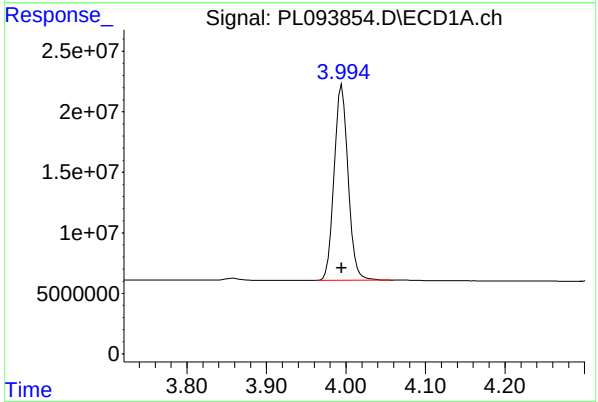
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 136135307
Conc: 50.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



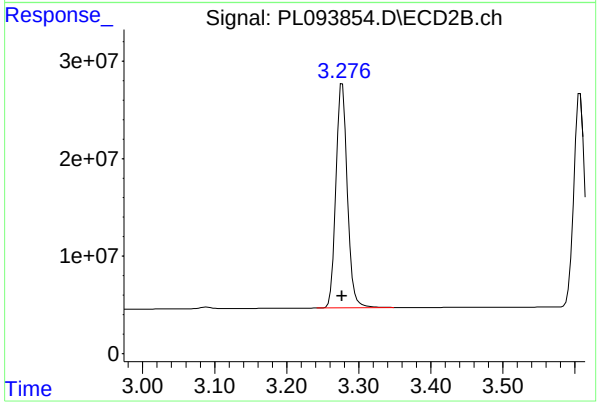
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 162707330
Conc: 49.85 ng/ml



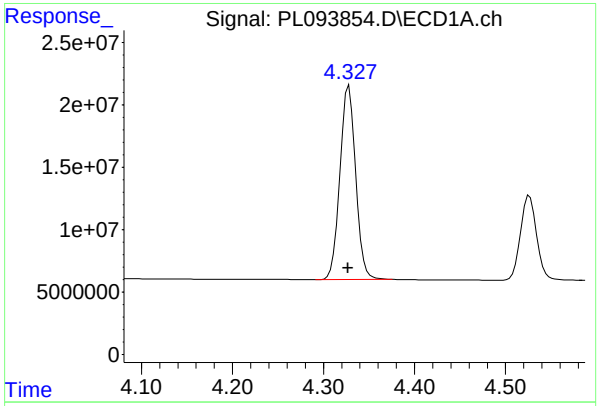
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 197566394
Conc: 51.53 ng/ml



#2 alpha-BHC

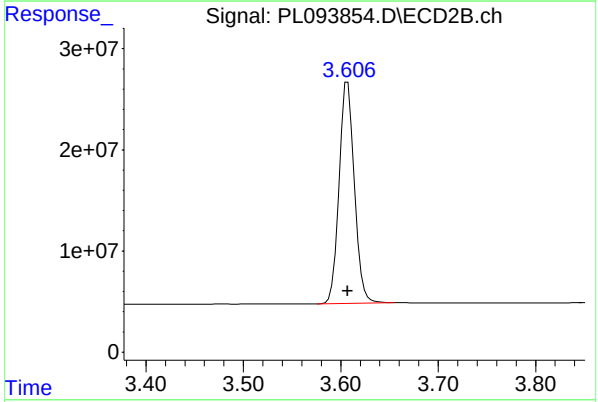
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 251754335
Conc: 51.49 ng/ml



#3 gamma-BHC (Lindane)

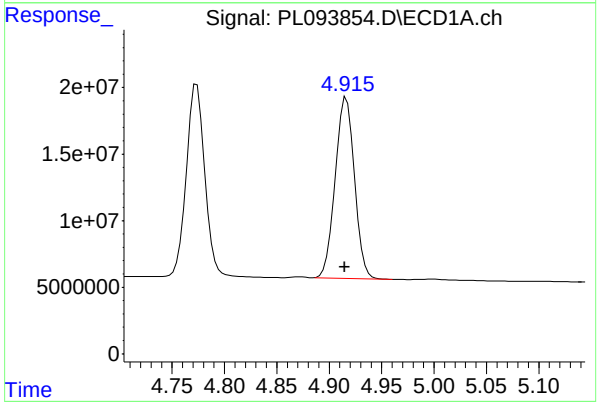
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 187320669
Conc: 50.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



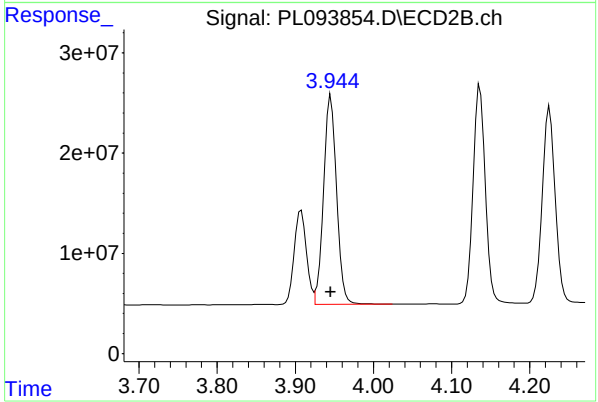
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 238291267
Conc: 50.26 ng/ml



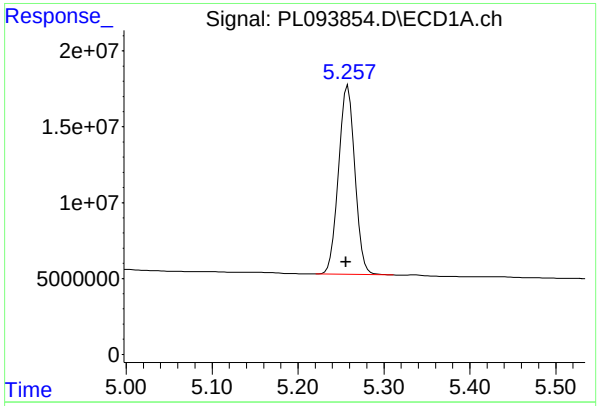
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 173541418
Conc: 52.95 ng/ml



#4 Heptachlor

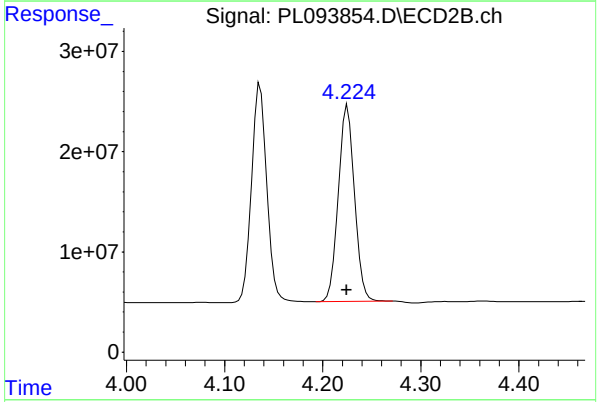
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 240825399
Conc: 51.74 ng/ml



#5 Aldrin

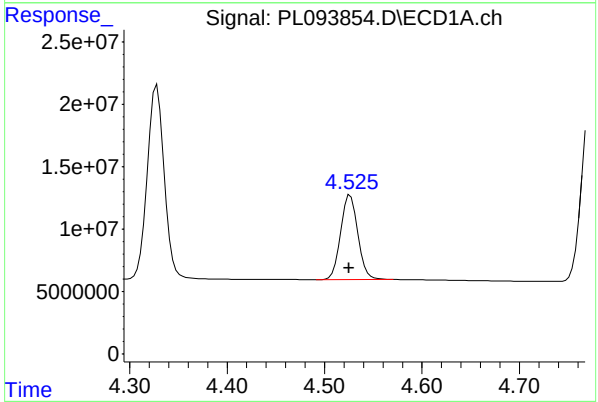
R.T.: 5.258 min
Delta R.T.: 0.002 min
Response: 163957328
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



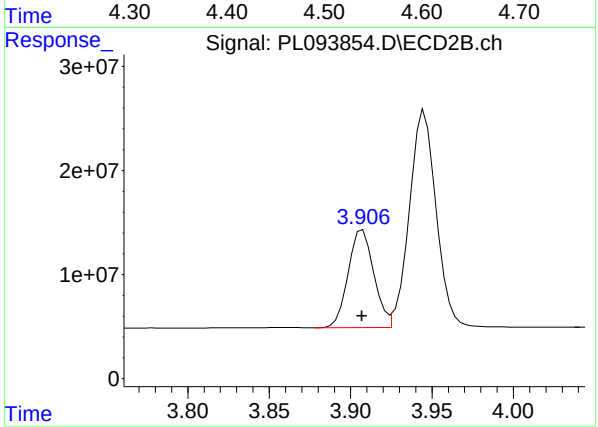
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 225236490
Conc: 49.37 ng/ml



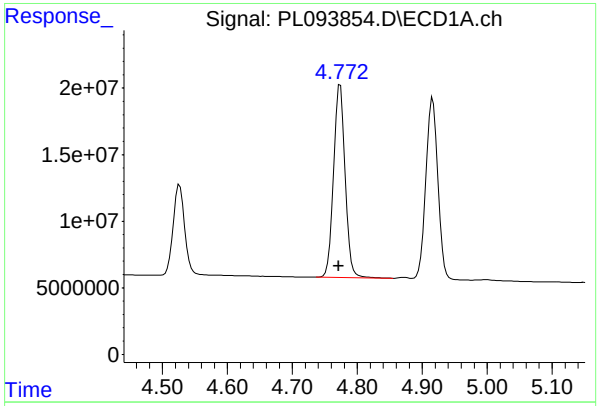
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 83341036
Conc: 51.85 ng/ml



#6 beta-BHC

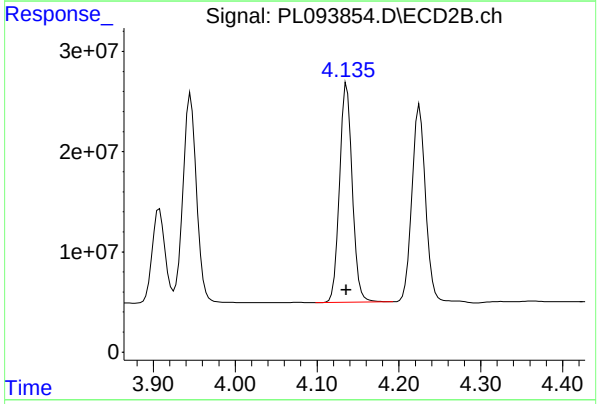
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 102923684
Conc: 51.53 ng/ml



#7 delta-BHC

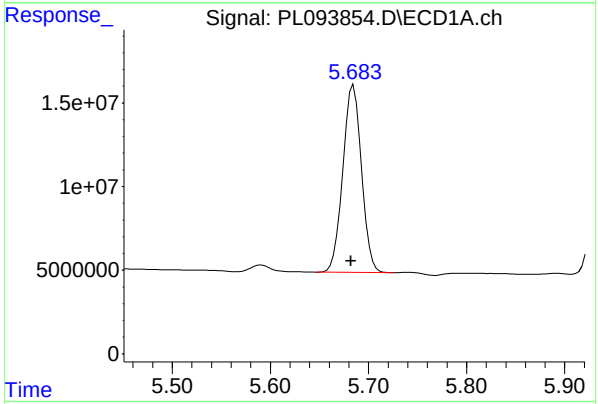
R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 178468772
Conc: 50.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



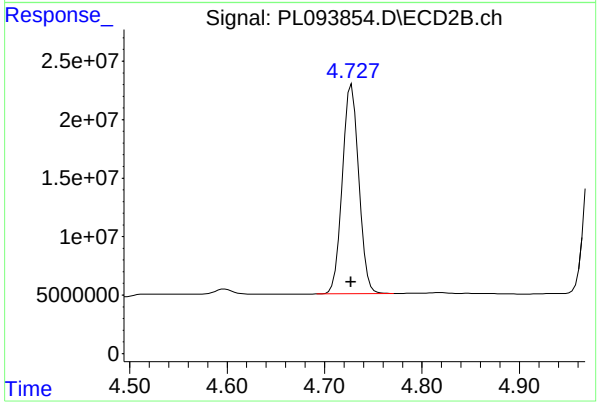
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 236626869
Conc: 49.80 ng/ml



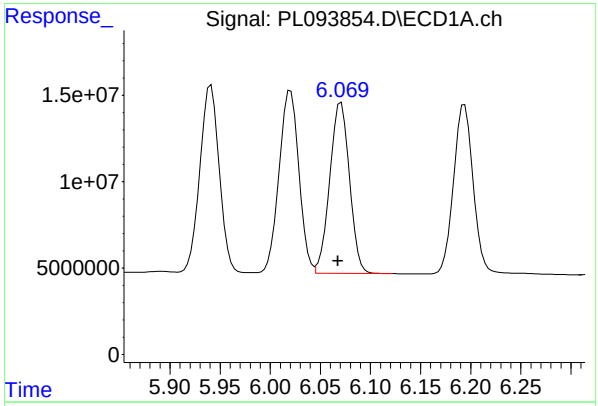
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.002 min
Response: 148147479
Conc: 49.82 ng/ml



#8 Heptachlor epoxide

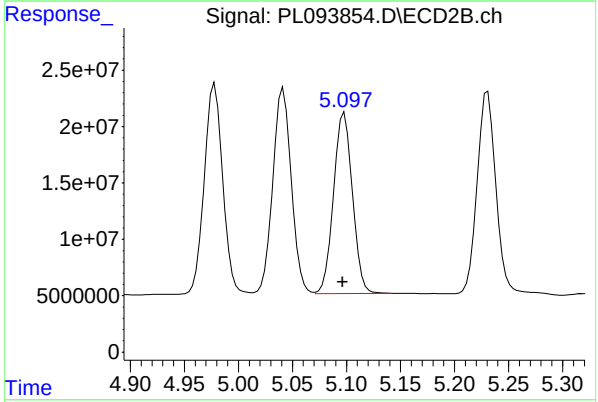
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 209809217
Conc: 50.19 ng/ml



#9 Endosulfan I

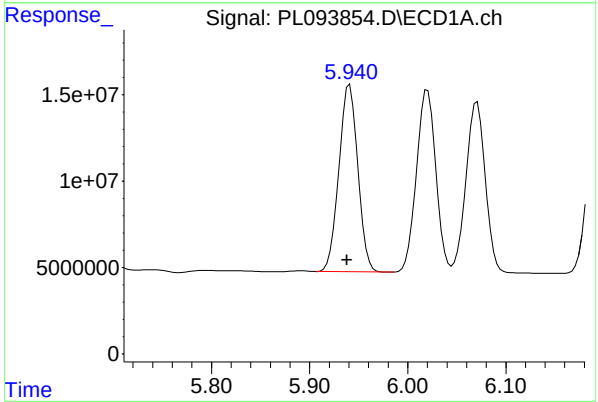
R.T.: 6.071 min
Delta R.T.: 0.003 min
Response: 135089650
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



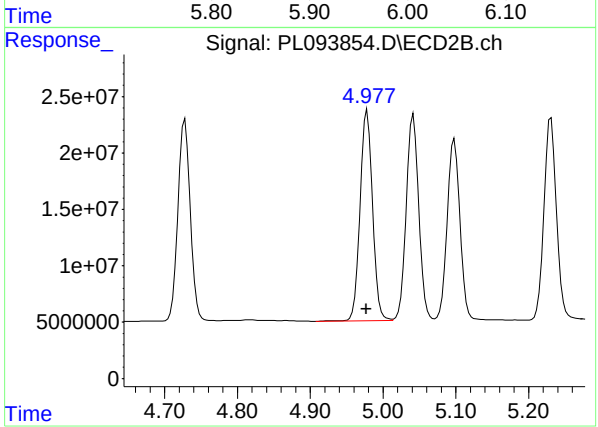
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.002 min
Response: 195119289
Conc: 50.33 ng/ml



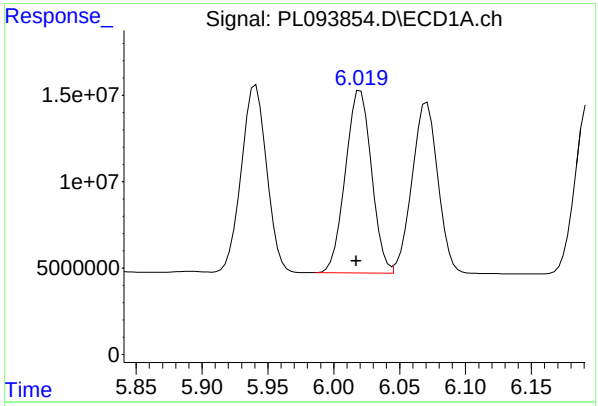
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.003 min
Response: 145472683
Conc: 52.19 ng/ml



#10 gamma-Chlordane

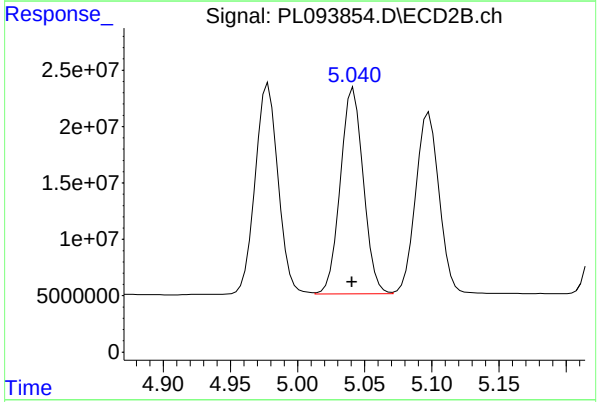
R.T.: 4.978 min
Delta R.T.: 0.001 min
Response: 222797421
Conc: 52.58 ng/ml



#11 alpha-Chlordane

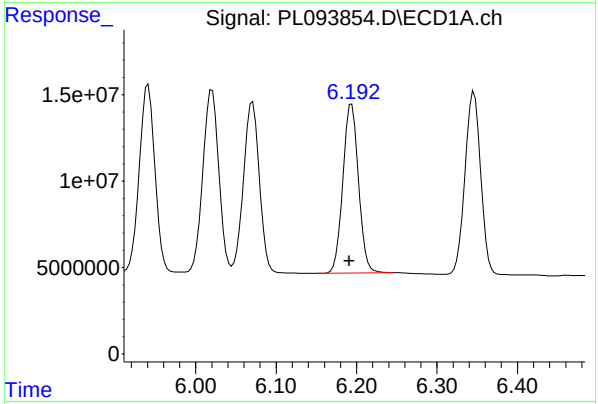
R.T.: 6.020 min
Delta R.T.: 0.003 min
Response: 145186032
Conc: 52.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



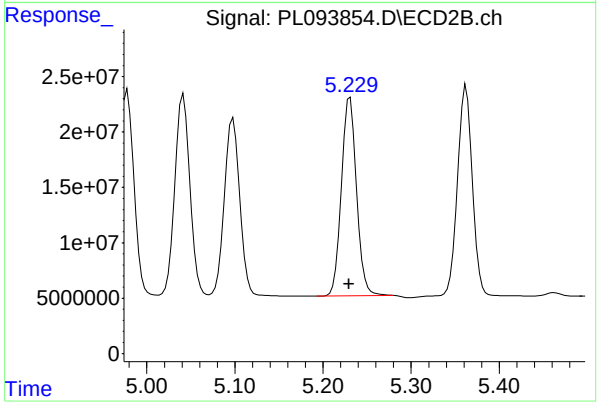
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.001 min
Response: 218134985
Conc: 52.10 ng/ml



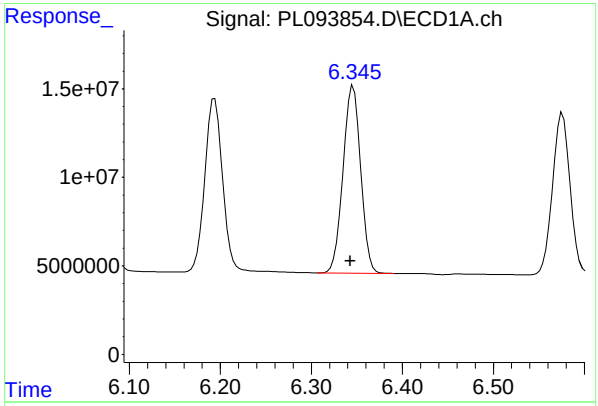
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.003 min
Response: 132300042
Conc: 54.34 ng/ml



#12 4,4'-DDE

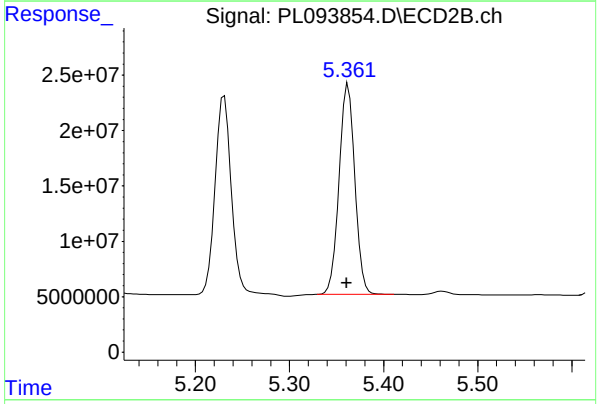
R.T.: 5.231 min
Delta R.T.: 0.001 min
Response: 214236722
Conc: 53.43 ng/ml



#13 Dieldrin

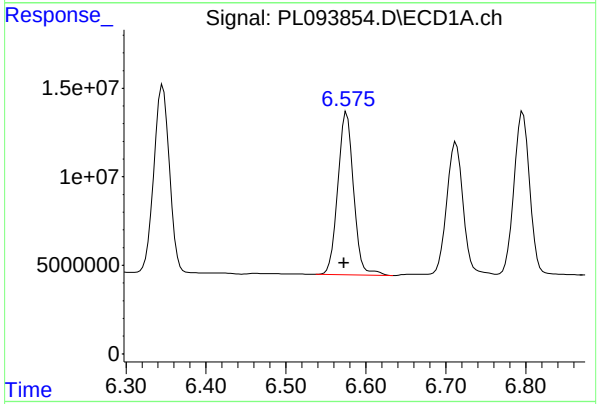
R.T.: 6.346 min
Delta R.T.: 0.003 min
Response: 143056371
Conc: 51.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



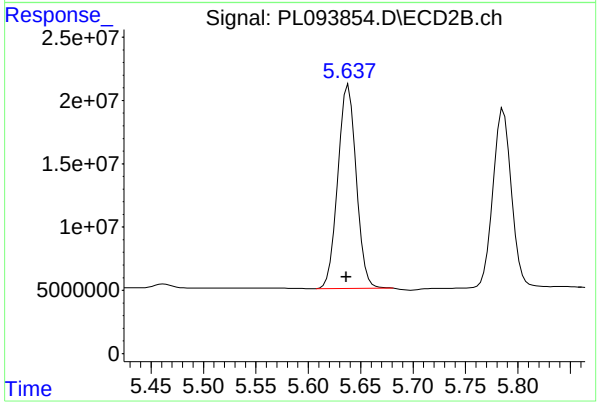
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.002 min
Response: 221386579
Conc: 51.54 ng/ml



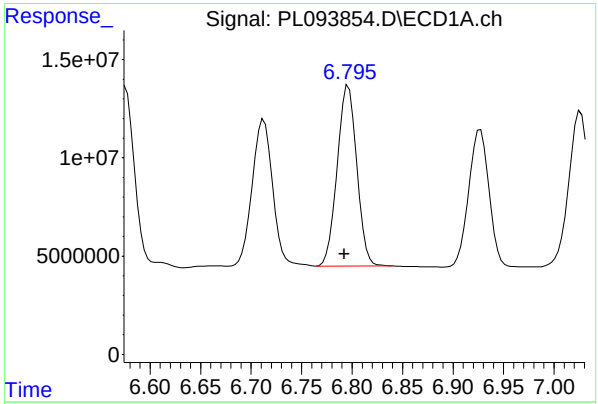
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.004 min
Response: 125775301
Conc: 53.64 ng/ml



#14 Endrin

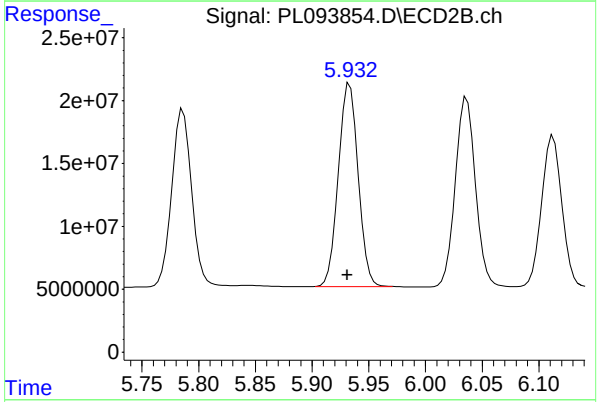
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 197106309
Conc: 53.38 ng/ml



#15 Endosulfan II

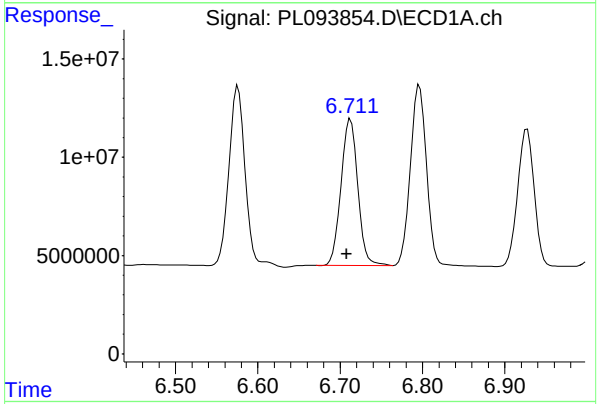
R.T.: 6.796 min
Delta R.T.: 0.004 min
Response: 124247338
Conc: 51.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



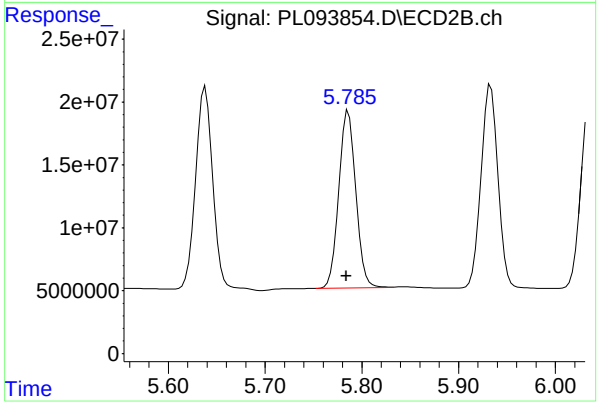
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 196152892
Conc: 52.96 ng/ml



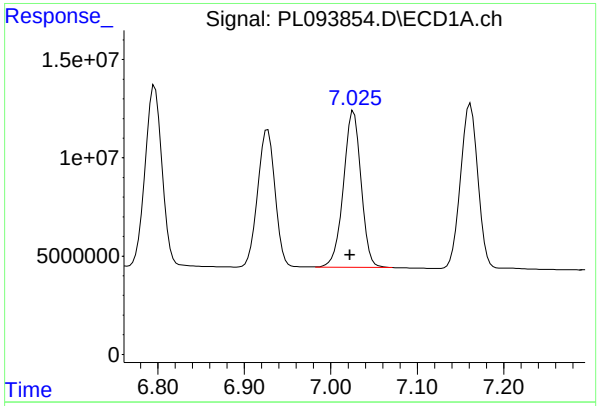
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.004 min
Response: 105517065
Conc: 55.52 ng/ml



#16 4,4'-DDD

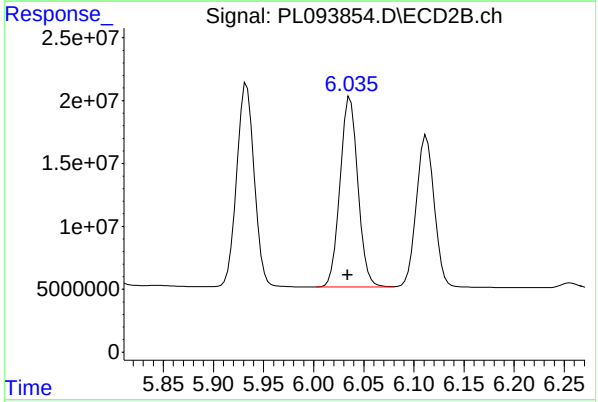
R.T.: 5.786 min
Delta R.T.: 0.002 min
Response: 172221242
Conc: 54.56 ng/ml



#17 4,4'-DDT

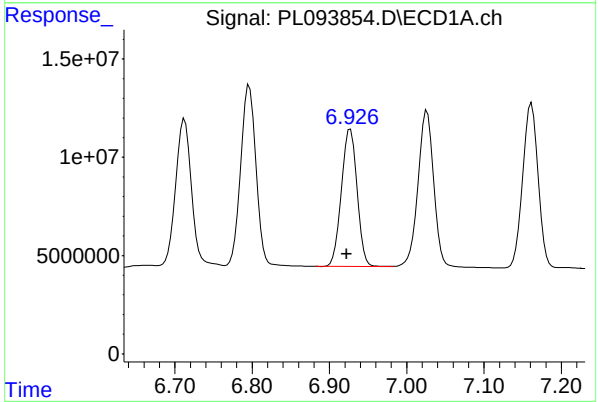
R.T.: 7.026 min
Delta R.T.: 0.004 min
Response: 112413812
Conc: 57.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



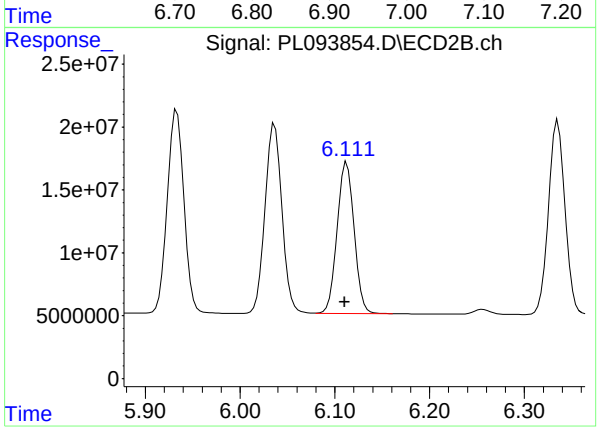
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 187128222
Conc: 57.51 ng/ml



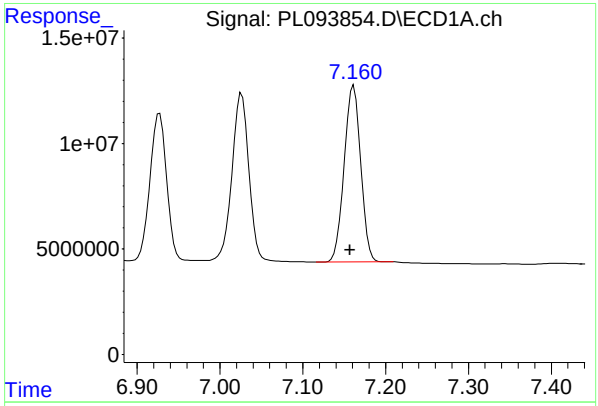
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.005 min
Response: 97757005
Conc: 50.29 ng/ml



#18 Endrin aldehyde

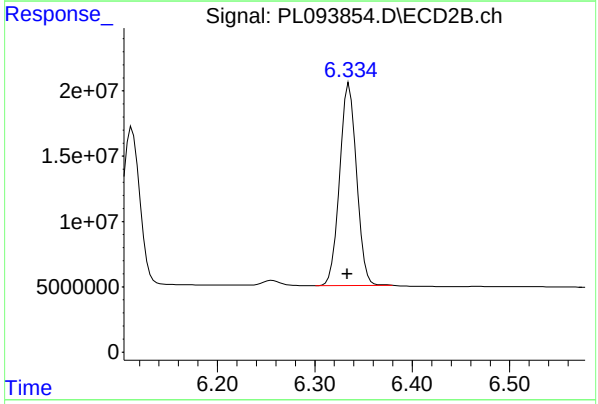
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 149652066
Conc: 49.15 ng/ml



#19 Endosulfan Sulfate

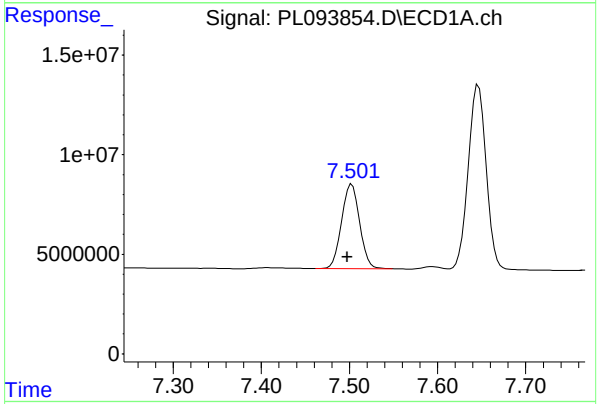
R.T.: 7.161 min
Delta R.T.: 0.004 min
Response: 116307436
Conc: 51.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



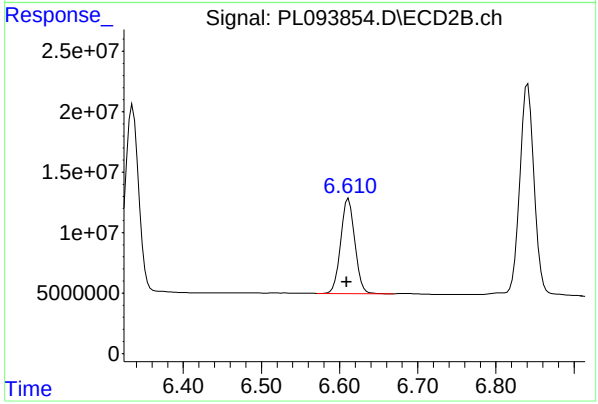
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 186469918
Conc: 52.29 ng/ml



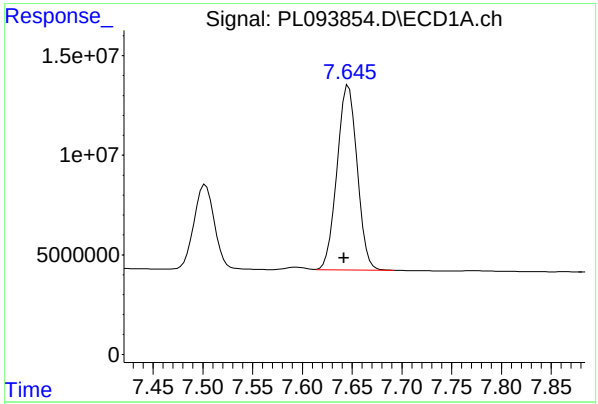
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 60292061
Conc: 57.78 ng/ml



#20 Methoxychlor

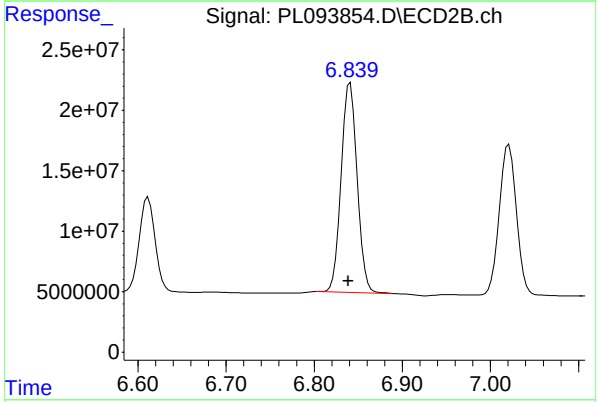
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 98587869
Conc: 55.13 ng/ml



#21 Endrin ketone

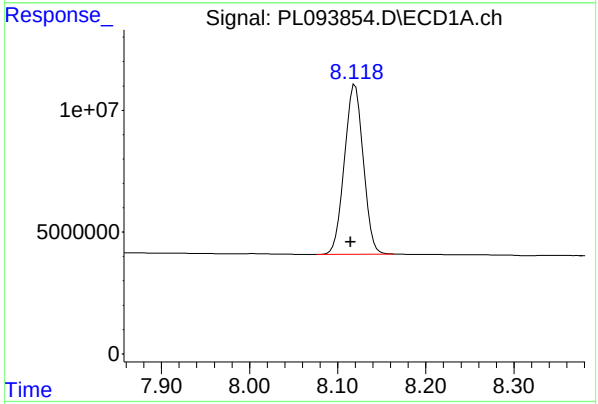
R.T.: 7.646 min
Delta R.T.: 0.005 min
Response: 130914641
Conc: 51.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



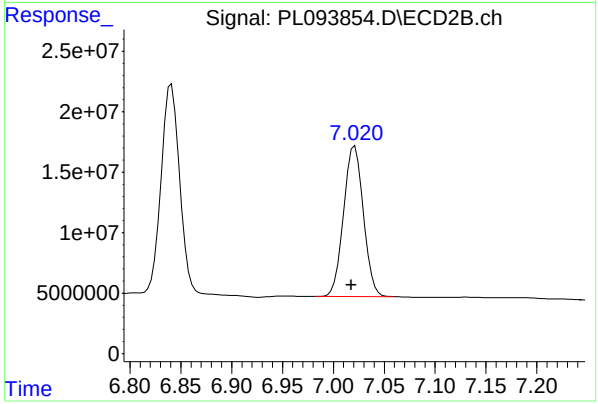
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 219177023
Conc: 52.24 ng/ml



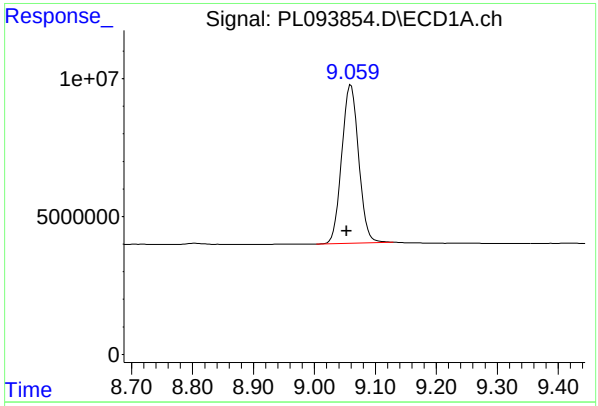
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 103881470
Conc: 49.88 ng/ml



#22 Mirex

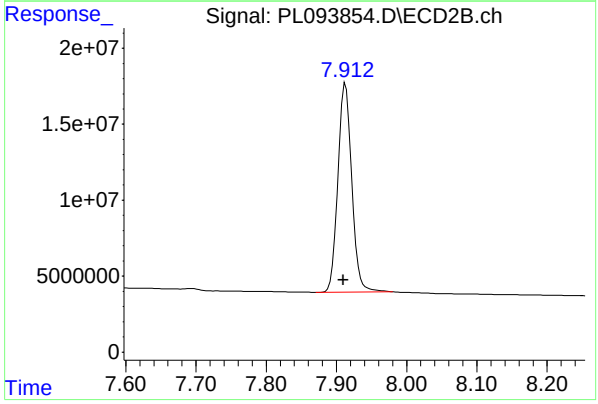
R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 168650607
Conc: 49.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.007 min
Response: 111070420
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.003 min
Response: 188674892
Conc: 53.84 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:11 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:11 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL02 **Date Analyzed:** 01/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093864.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.953	9.153	49.770	50.000	-0.5
Endrin	6.576	6.472	6.672	49.830	50.000	-0.3
gamma-BHC (Lindane)	4.328	4.227	4.427	46.930	50.000	-6.1
Heptachlor	4.916	4.814	5.014	48.830	50.000	-2.3
Heptachlor epoxide	5.685	5.582	5.782	46.430	50.000	-7.1
Methoxychlor	7.502	7.398	7.598	53.490	50.000	7.0
Tetrachloro-m-xylene	3.539	3.439	3.639	46.770	50.000	-6.5

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL02 **Date Analyzed:** 01/29/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093864.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.913	7.810	8.010	50.680	50.000	1.4
Endrin	5.639	5.536	5.736	49.190	50.000	-1.6
gamma-BHC (Lindane)	3.608	3.507	3.707	46.140	50.000	-7.7
Heptachlor	3.946	3.845	4.045	47.650	50.000	-4.7
Heptachlor epoxide	4.729	4.627	4.827	46.420	50.000	-7.2
Methoxychlor	6.612	6.509	6.709	51.050	50.000	2.1
Tetrachloro-m-xylene	2.775	2.674	2.874	46.240	50.000	-7.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 19:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:30:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.775	125.9E6	150.9E6	46.773	46.237
28) SA	Decachlor...	9.059	7.913	104.1E6	177.6E6	49.771	50.684
	Target Compounds						
2) A	alpha-BHC	3.995	3.278	182.4E6	231.7E6	47.568	47.384
3) MA	gamma-BHC...	4.328	3.608	172.8E6	218.7E6	46.929	46.136
4) MA	Heptachlor	4.916	3.946	160.0E6	221.8E6	48.827	47.651
5) MB	Aldrin	5.258	4.226	151.2E6	207.9E6	46.214	45.569
6) B	beta-BHC	4.526	3.908	77444882	95493212	48.183	47.808
7) B	delta-BHC	4.774	4.137	166.0E6	220.0E6	47.344	46.310
8) B	Heptachlo...	5.685	4.729	138.1E6	194.1E6	46.427	46.425
9) A	Endosulfan I	6.071	5.098	126.3E6	179.6E6	47.802	46.322
10) B	gamma-Chl...	5.941	4.979	135.9E6	206.4E6	48.753	48.699
11) B	alpha-Chl...	6.020	5.042	135.4E6	201.8E6	48.546	48.210
12) B	4,4'-DDE	6.194	5.231	123.2E6	199.0E6	50.610	49.644
13) MA	Dieldrin	6.346	5.363	133.1E6	204.3E6	47.939	47.553
14) MA	Endrin	6.576	5.639	116.8E6	181.6E6	49.832	49.186
15) B	Endosulfa...	6.796	5.933	116.2E6	182.6E6	48.210	49.295
16) A	4,4'-DDD	6.712	5.787	99111867	161.4E6	52.149	51.136
17) MA	4,4'-DDT	7.026	6.037	103.5E6	171.8E6	52.491	52.791
18) B	Endrin al...	6.926	6.113	91685445	140.5E6	47.162	46.149
19) B	Endosulfa...	7.161	6.335	108.8E6	173.3E6	48.058	48.609
20) A	Methoxychlor	7.502	6.612	55808554	91290571	53.487	51.053
21) B	Endrin ke...	7.646	6.841	122.8E6	203.3E6	48.679	48.471
22)	Mirex	8.119	7.021	97418136	157.8E6	46.780	46.667

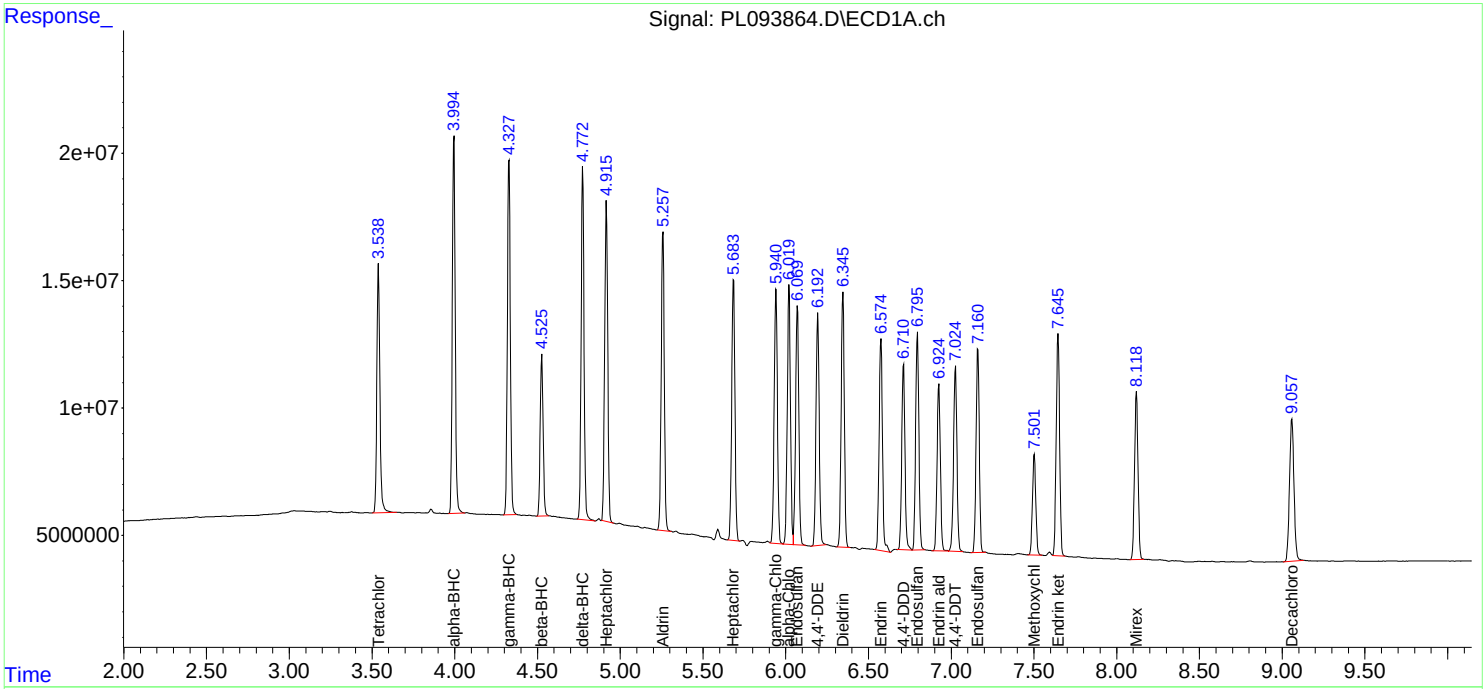
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

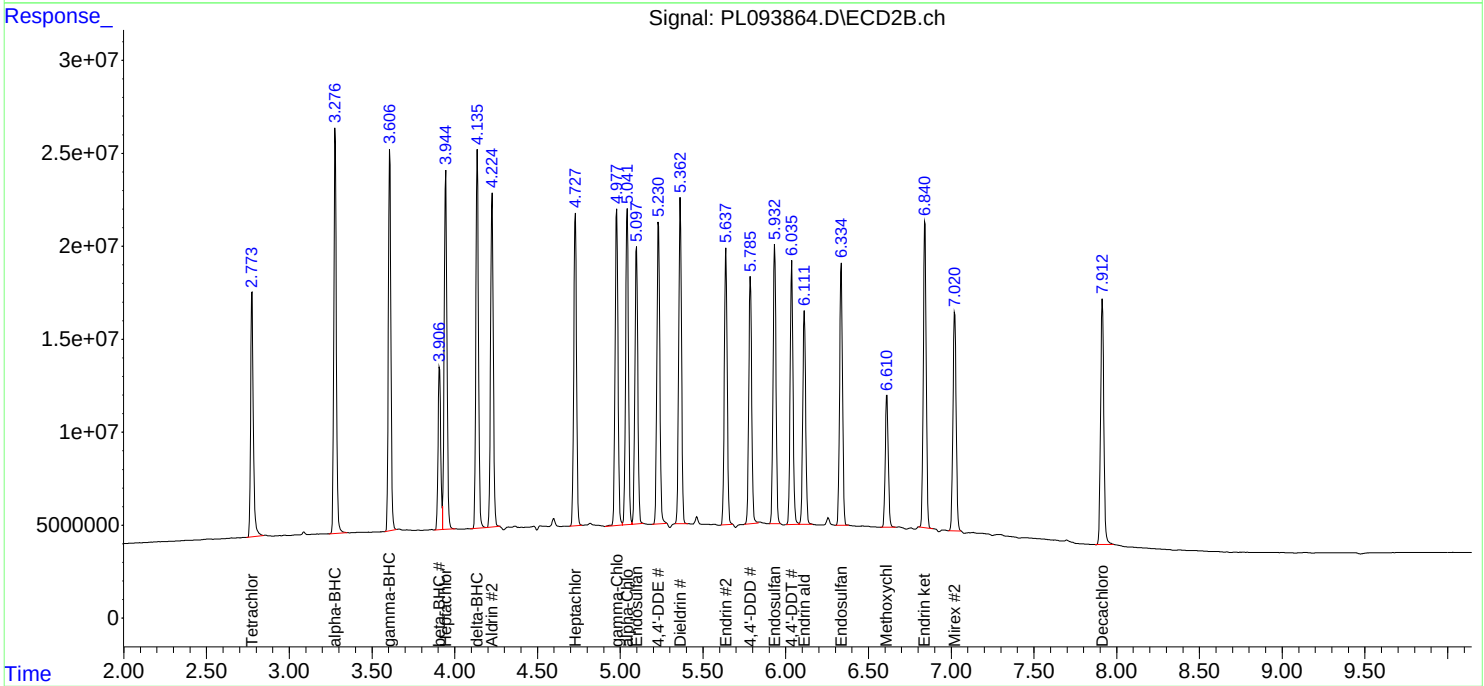
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 19:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 3 Sample Multiplier: 1

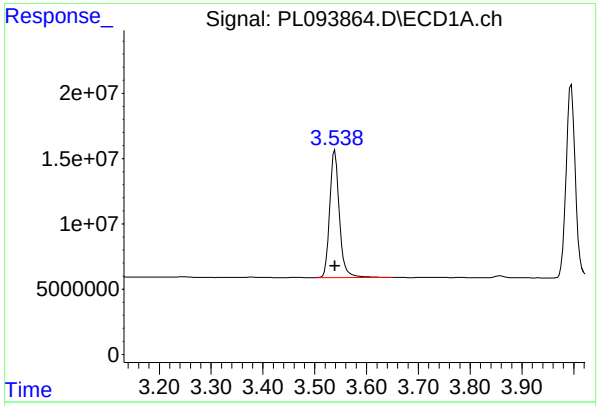
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:30:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



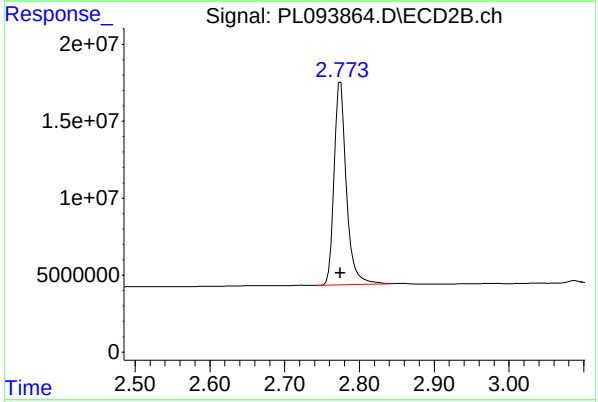




#1 Tetrachloro-m-xylene

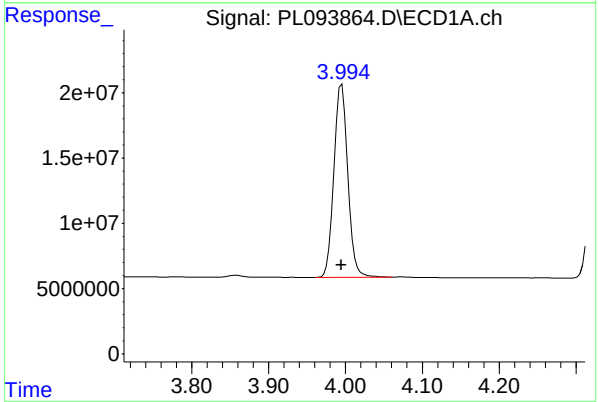
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 125949754
Conc: 46.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



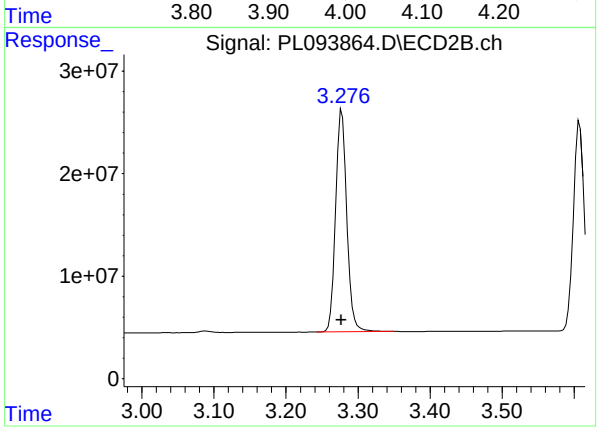
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 150925977
Conc: 46.24 ng/ml



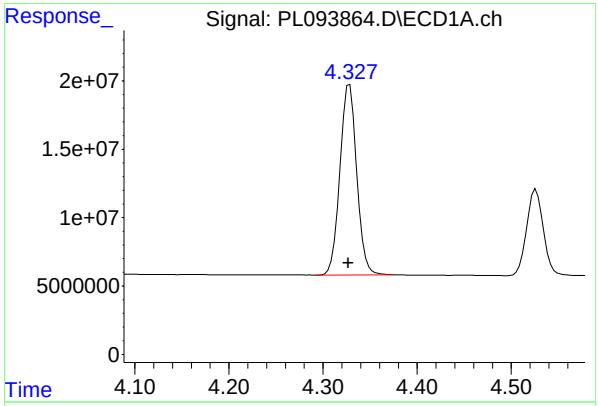
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 182368183
Conc: 47.57 ng/ml



#2 alpha-BHC

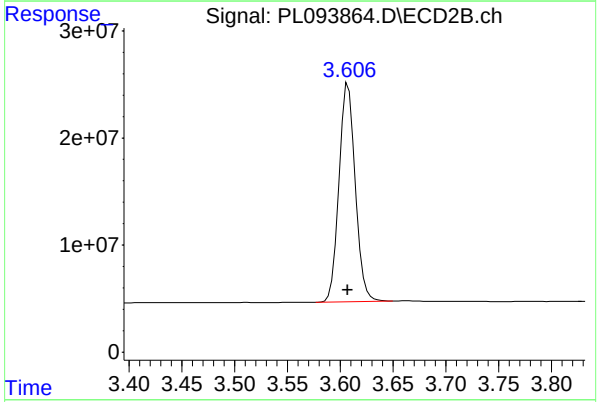
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 231658723
Conc: 47.38 ng/ml



#3 gamma-BHC (Lindane)

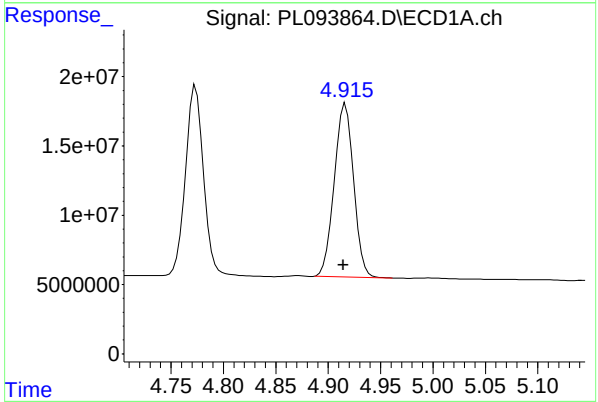
R.T.: 4.328 min
Delta R.T.: 0.001 min
Response: 172831786
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



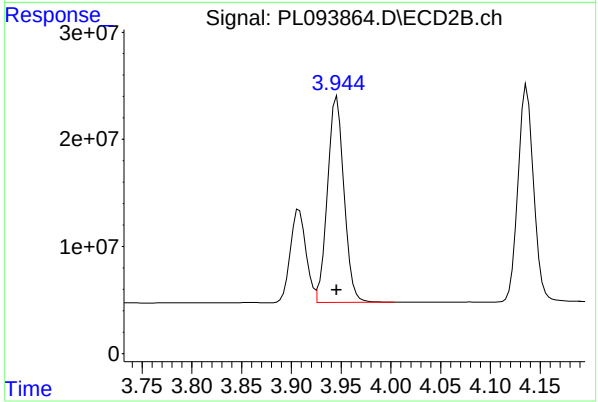
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.000 min
Response: 218741399
Conc: 46.14 ng/ml



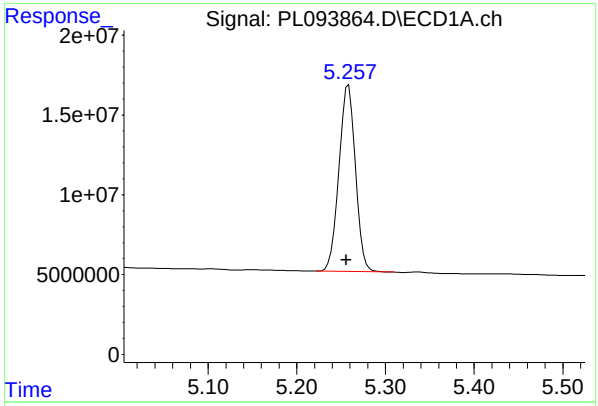
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 160022580
Conc: 48.83 ng/ml



#4 Heptachlor

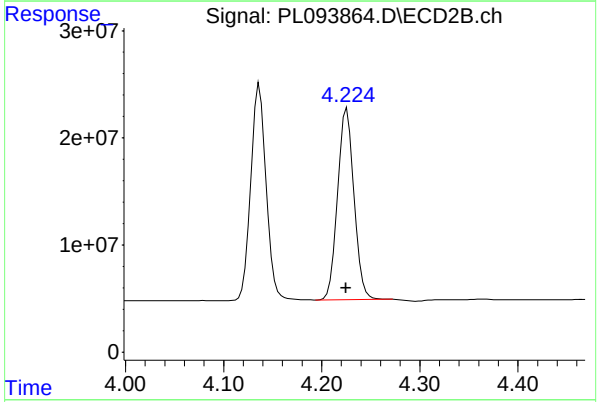
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 221806009
Conc: 47.65 ng/ml



#5 Aldrin

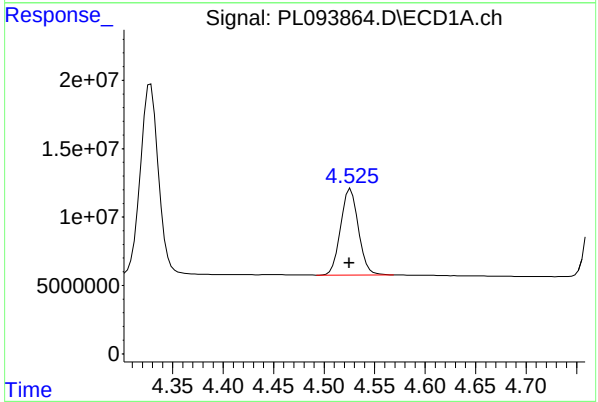
R.T.: 5.258 min
Delta R.T.: 0.003 min
Response: 151210596
Conc: 46.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



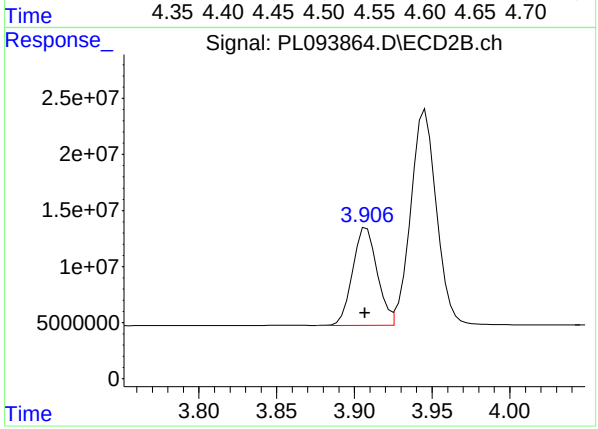
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.001 min
Response: 207874984
Conc: 45.57 ng/ml



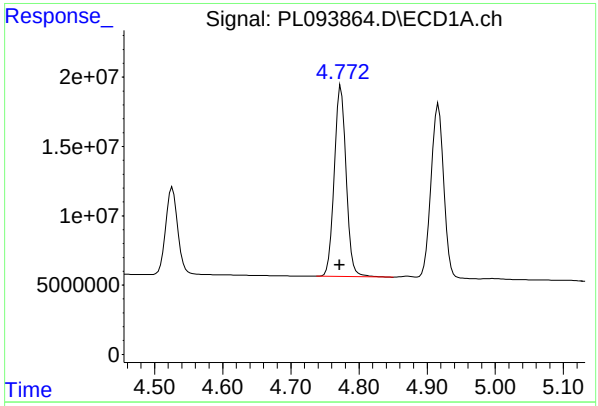
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 77444882
Conc: 48.18 ng/ml



#6 beta-BHC

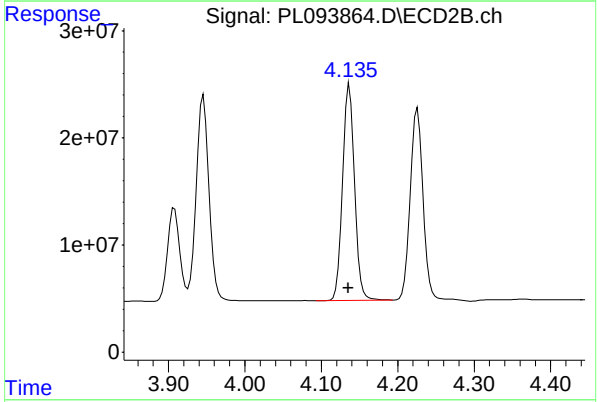
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 95493212
Conc: 47.81 ng/ml



#7 delta-BHC

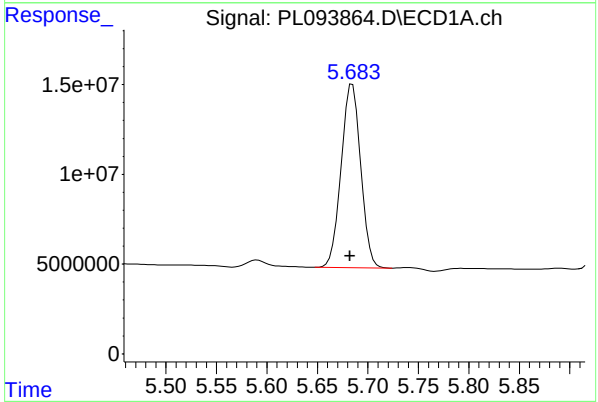
R.T.: 4.774 min
Delta R.T.: 0.002 min
Response: 165953965
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



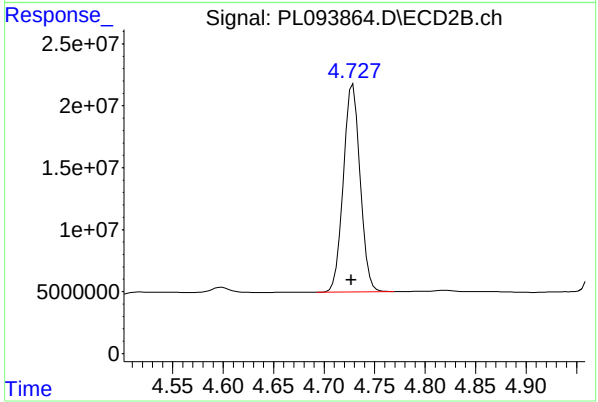
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.000 min
Response: 220029745
Conc: 46.31 ng/ml



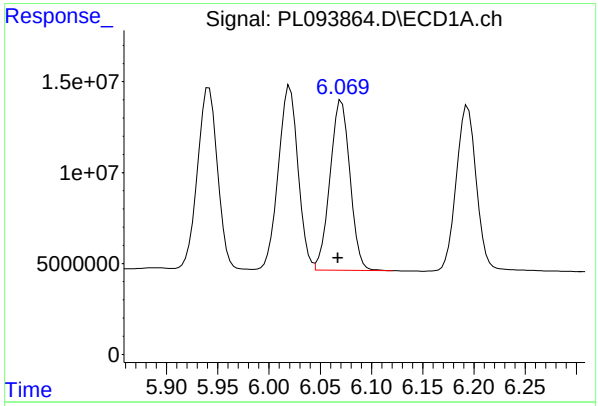
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.002 min
Response: 138066301
Conc: 46.43 ng/ml



#8 Heptachlor epoxide

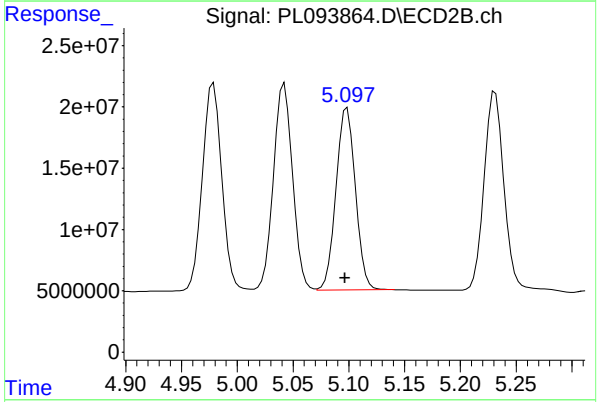
R.T.: 4.729 min
Delta R.T.: 0.002 min
Response: 194067554
Conc: 46.42 ng/ml



#9 Endosulfan I

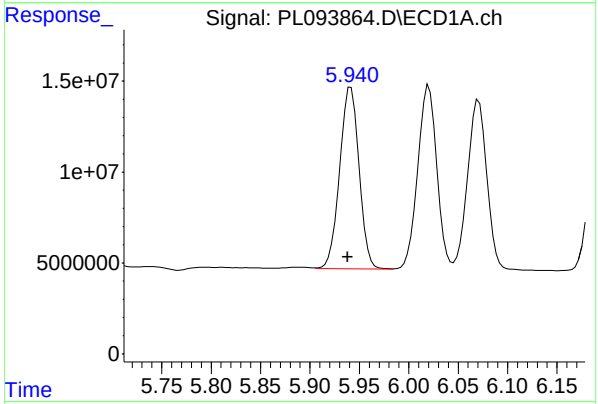
R.T.: 6.071 min
Delta R.T.: 0.003 min
Response: 126333378
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



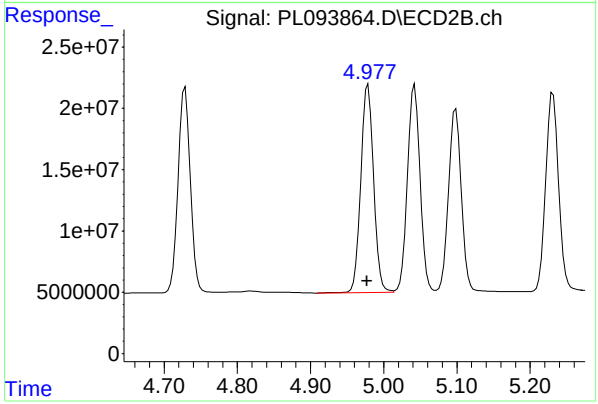
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.002 min
Response: 179585188
Conc: 46.32 ng/ml



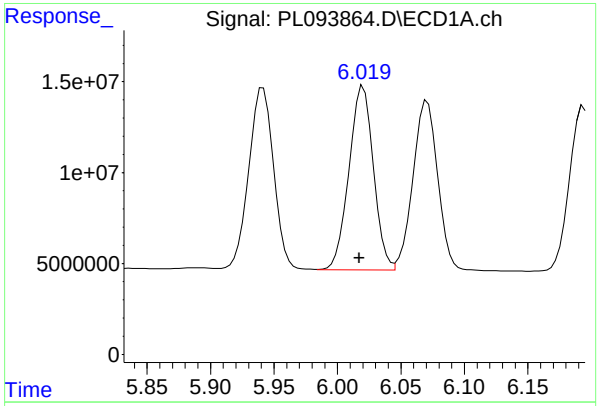
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.003 min
Response: 135893526
Conc: 48.75 ng/ml



#10 gamma-Chlordane

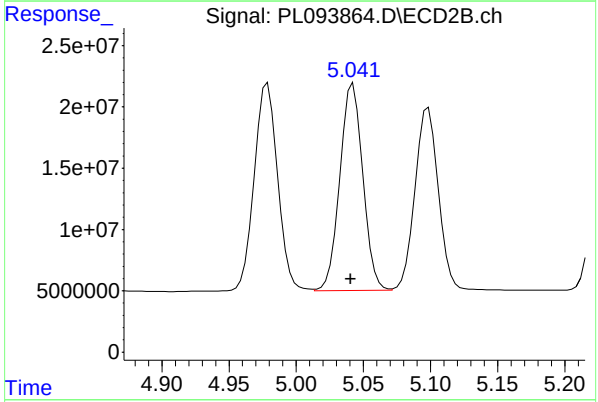
R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 206365961
Conc: 48.70 ng/ml



#11 alpha-Chlordane

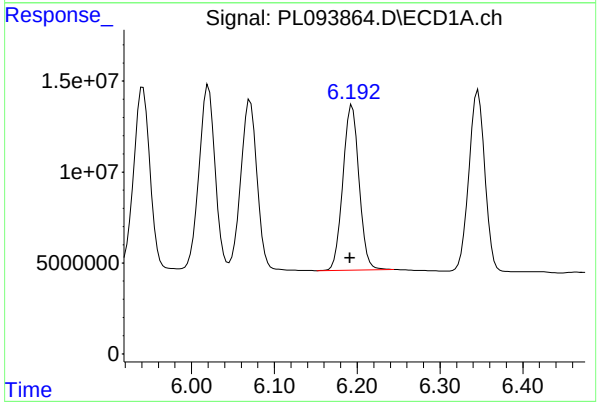
R.T.: 6.020 min
Delta R.T.: 0.003 min
Response: 135366740
Conc: 48.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



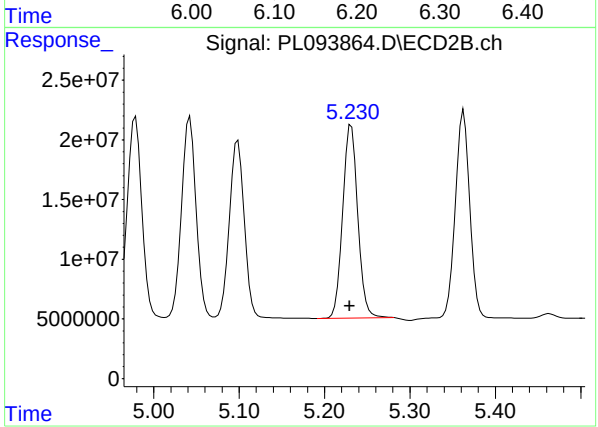
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.002 min
Response: 201833962
Conc: 48.21 ng/ml



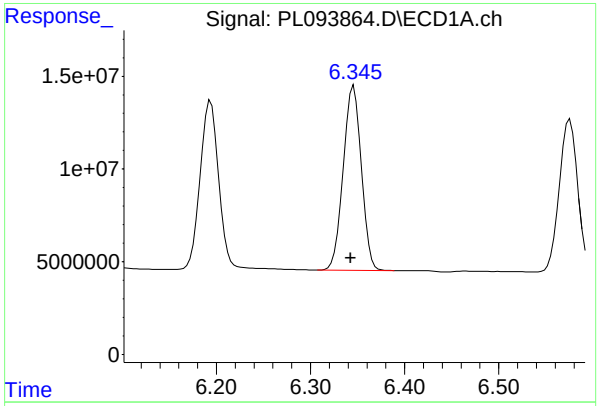
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.003 min
Response: 123215365
Conc: 50.61 ng/ml



#12 4,4'-DDE

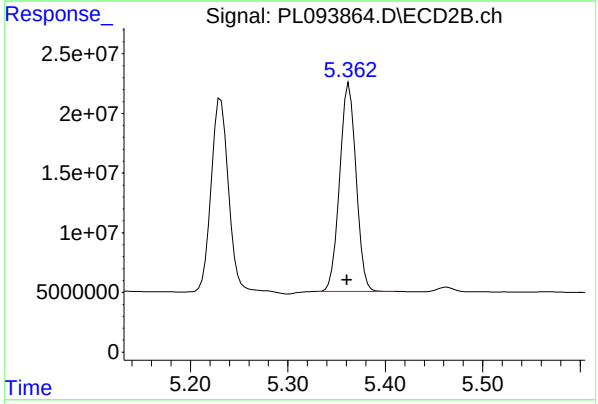
R.T.: 5.231 min
Delta R.T.: 0.002 min
Response: 199045758
Conc: 49.64 ng/ml



#13 Dieldrin

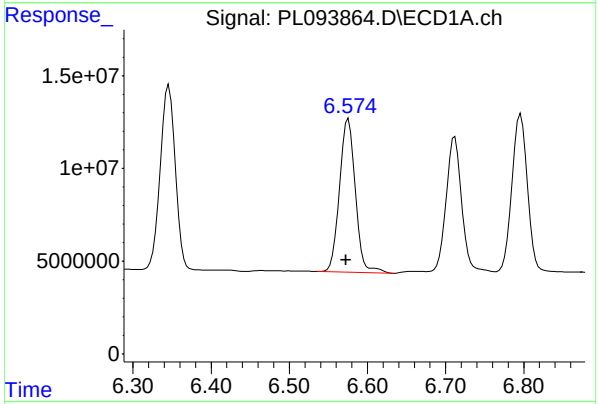
R.T.: 6.346 min
Delta R.T.: 0.003 min
Response: 133070346
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



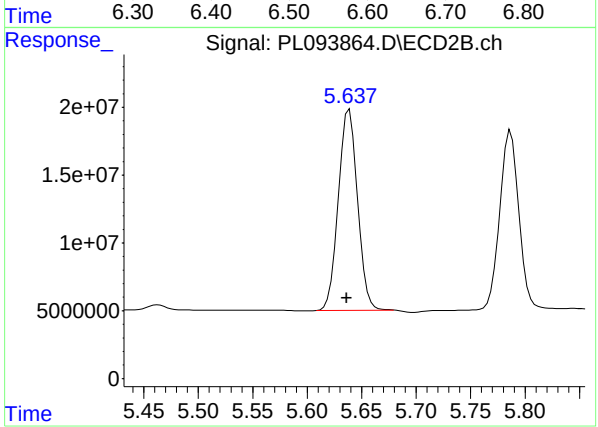
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.002 min
Response: 204272161
Conc: 47.55 ng/ml



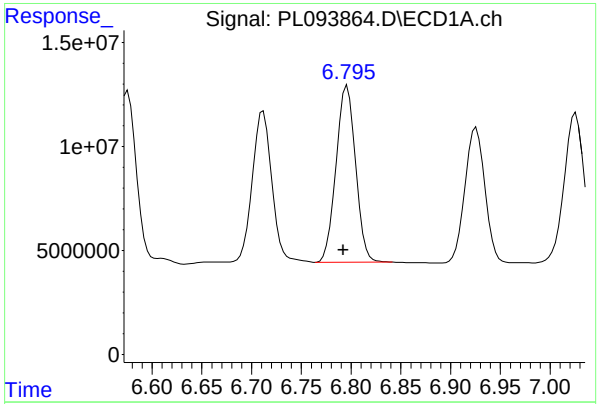
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.003 min
Response: 116846487
Conc: 49.83 ng/ml



#14 Endrin

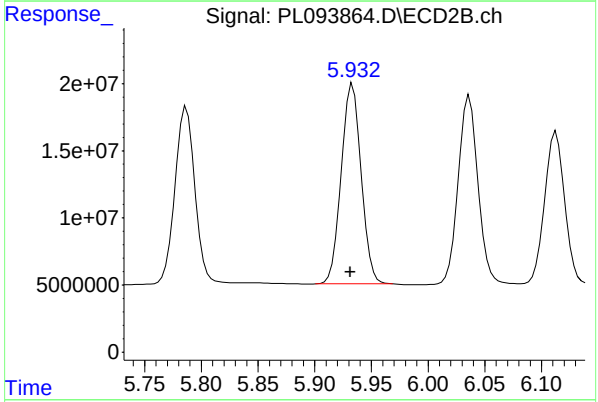
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 181627702
Conc: 49.19 ng/ml



#15 Endosulfan II

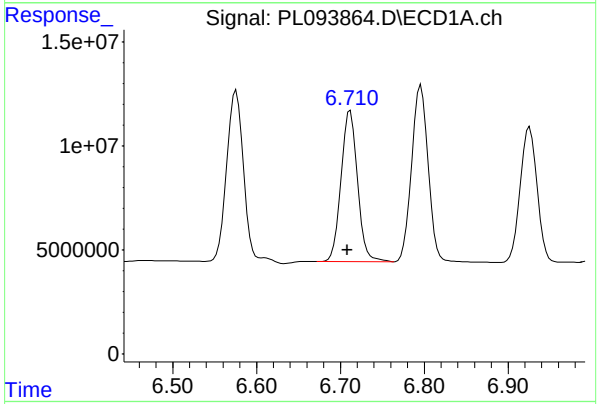
R.T.: 6.796 min
Delta R.T.: 0.004 min
Response: 116155531
Conc: 48.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



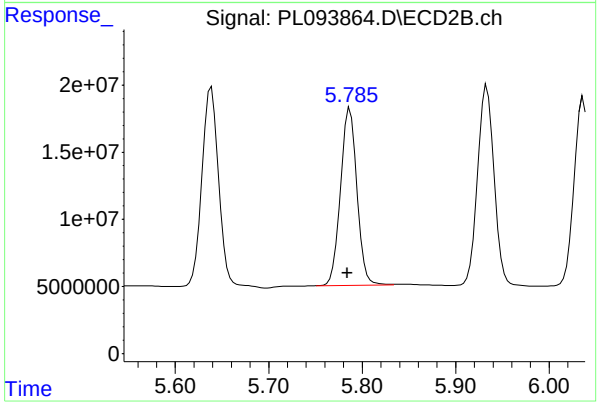
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 182579390
Conc: 49.29 ng/ml



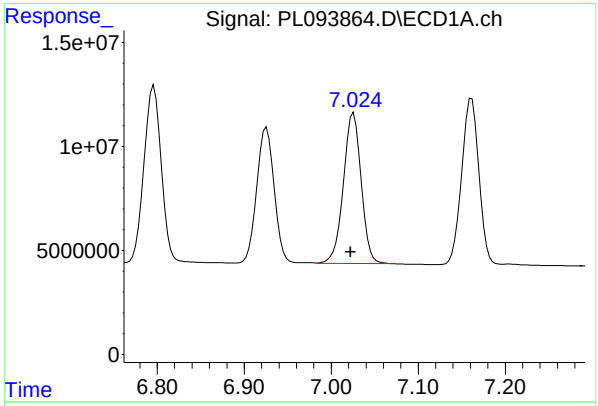
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.004 min
Response: 99111867
Conc: 52.15 ng/ml



#16 4,4'-DDD

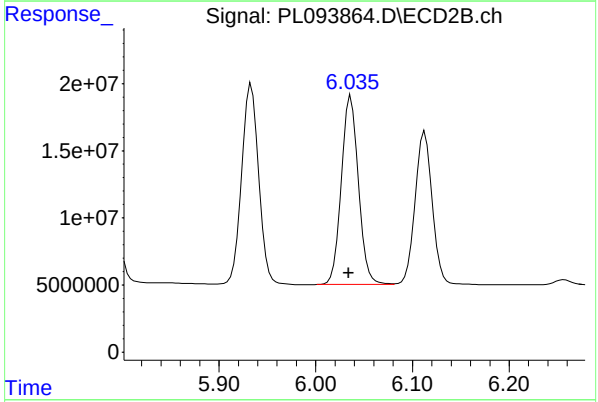
R.T.: 5.787 min
Delta R.T.: 0.003 min
Response: 161411981
Conc: 51.14 ng/ml



#17 4,4'-DDT

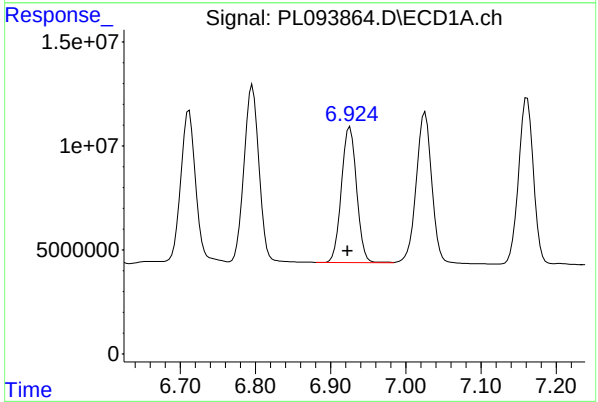
R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 103515164
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



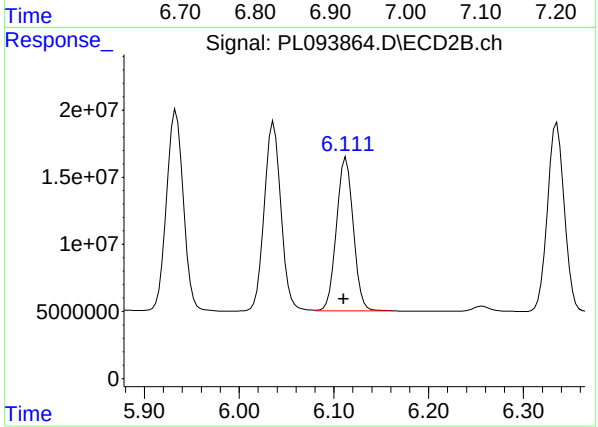
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.002 min
Response: 171785552
Conc: 52.79 ng/ml



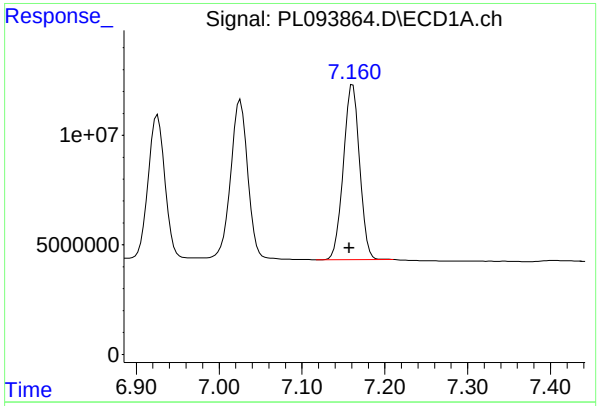
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.003 min
Response: 91685445
Conc: 47.16 ng/ml



#18 Endrin aldehyde

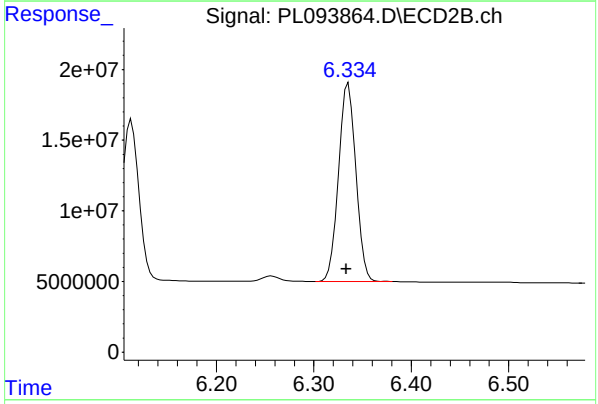
R.T.: 6.113 min
Delta R.T.: 0.003 min
Response: 140508276
Conc: 46.15 ng/ml



#19 Endosulfan Sulfate

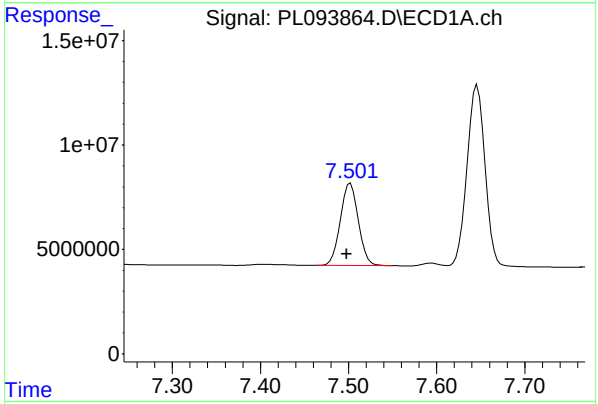
R.T.: 7.161 min
Delta R.T.: 0.004 min
Response: 108790504
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



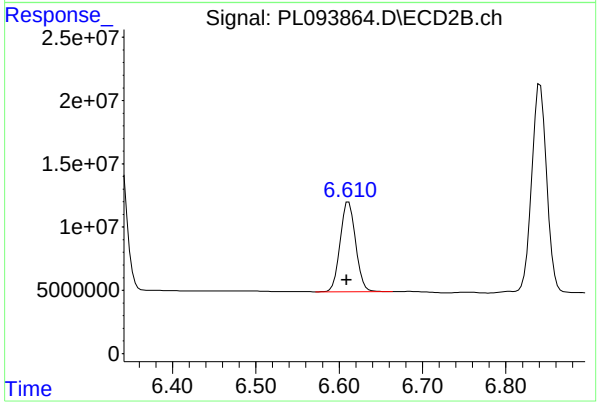
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 173343815
Conc: 48.61 ng/ml



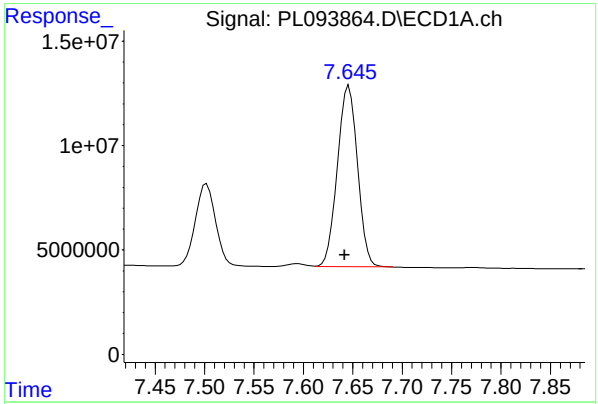
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 55808554
Conc: 53.49 ng/ml



#20 Methoxychlor

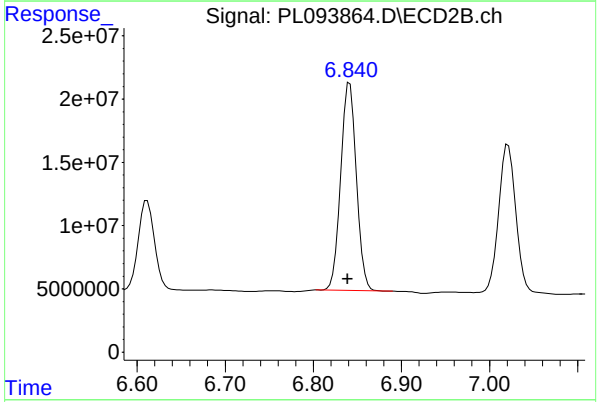
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 91290571
Conc: 51.05 ng/ml



#21 Endrin ketone

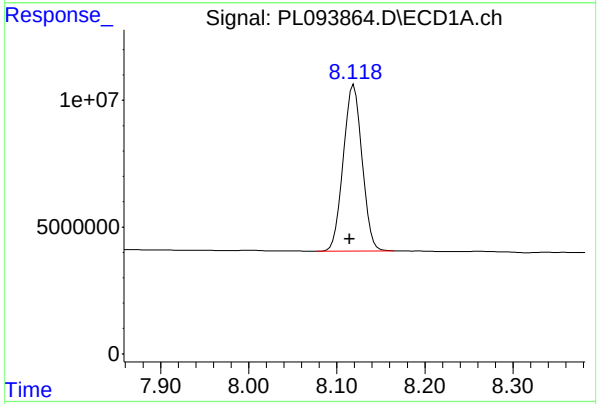
R.T.: 7.646 min
Delta R.T.: 0.004 min
Response: 122799154
Conc: 48.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



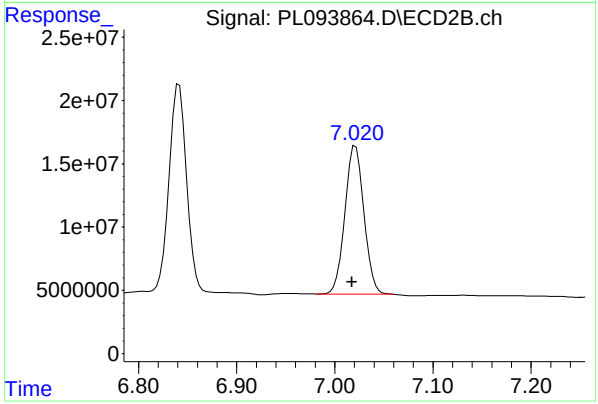
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 203346430
Conc: 48.47 ng/ml



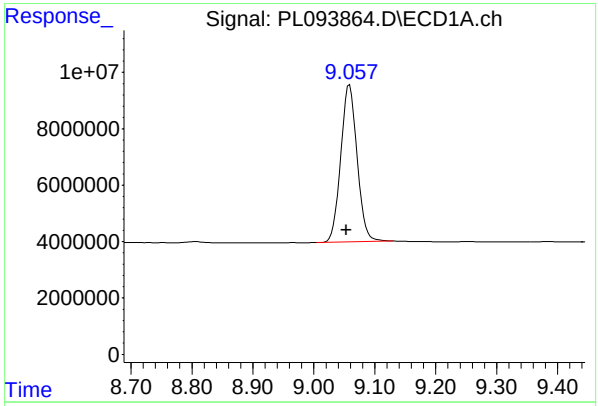
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.005 min
Response: 97418136
Conc: 46.78 ng/ml



#22 Mirex

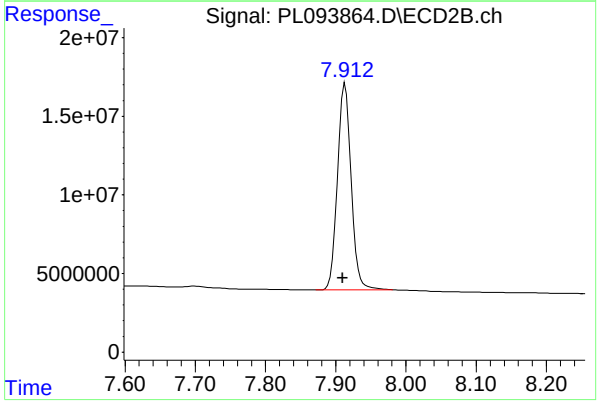
R.T.: 7.021 min
Delta R.T.: 0.004 min
Response: 157823409
Conc: 46.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 mi
Response: 104116259
Conc: 49.77 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.004 min
Response: 177600363
Conc: 50.68 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 09:58 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 09:58 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL03 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093876.D **Time Analyzed:** 09:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.953	9.153	48.590	50.000	-2.8
Endrin	6.574	6.472	6.672	48.110	50.000	-3.8
gamma-BHC (Lindane)	4.327	4.227	4.427	45.140	50.000	-9.7
Heptachlor	4.915	4.814	5.014	47.560	50.000	-4.9
Heptachlor epoxide	5.683	5.582	5.782	45.130	50.000	-9.7
Methoxychlor	7.500	7.398	7.598	51.550	50.000	3.1
Tetrachloro-m-xylene	3.539	3.439	3.639	45.390	50.000	-9.2

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL03 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093876.D **Time Analyzed:** 09:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	49.800	50.000	-0.4
Endrin	5.636	5.536	5.736	48.870	50.000	-2.3
gamma-BHC (Lindane)	3.607	3.507	3.707	46.010	50.000	-8.0
Heptachlor	3.945	3.845	4.045	47.440	50.000	-5.1
Heptachlor epoxide	4.727	4.627	4.827	46.460	50.000	-7.1
Methoxychlor	6.610	6.509	6.709	49.830	50.000	-0.3
Tetrachloro-m-xylene	2.774	2.674	2.874	45.470	50.000	-9.1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	122.2E6	148.4E6	45.391	45.469
28)	SA Decachlor...	9.055	7.910	101.6E6	174.5E6	48.590	49.805
	Target Compounds						
2)	A alpha-BHC	3.995	3.277	175.4E6	229.3E6	45.755	46.895
3)	MA gamma-BHC...	4.327	3.607	166.2E6	218.1E6	45.136	46.010
4)	MA Heptachlor	4.915	3.945	155.9E6	220.8E6	47.562	47.438
5)	MB Aldrin	5.257	4.224	147.6E6	207.4E6	45.115	45.460
6)	B beta-BHC	4.526	3.907	75592389	95205705	47.030	47.664
7)	B delta-BHC	4.773	4.135	159.3E6	216.7E6	45.447	45.615
8)	B Heptachlo...	5.683	4.727	134.2E6	194.2E6	45.135	46.455
9)	A Endosulfan I	6.069	5.097	122.7E6	179.4E6	46.445	46.273
10)	B gamma-Chl...	5.939	4.977	131.8E6	206.6E6	47.299	48.763
11)	B alpha-Chl...	6.019	5.040	131.6E6	203.3E6	47.196	48.570
12)	B 4,4'-DDE	6.192	5.230	119.9E6	199.6E6	49.240	49.779
13)	MA Dieldrin	6.344	5.361	128.8E6	205.0E6	46.385	47.726
14)	MA Endrin	6.574	5.636	112.8E6	180.5E6	48.115	48.875
15)	B Endosulfa...	6.794	5.932	113.1E6	182.2E6	46.944	49.203
16)	A 4,4'-DDD	6.710	5.785	95353192	162.1E6	50.171	51.346
17)	MA 4,4'-DDT	7.023	6.034	99256893	169.6E6	50.332	52.116
18)	B Endrin al...	6.924	6.111	89192328	139.6E6	45.880	45.867
19)	B Endosulfa...	7.158	6.334	105.6E6	173.3E6	46.631	48.604
20)	A Methoxychlor	7.500	6.610	53782080	89095994	51.545	49.826
21)	B Endrin ke...	7.643	6.838	118.9E6	203.9E6	47.114	48.599
22)	Mirex	8.116	7.018	95384896	159.7E6	45.803	47.209

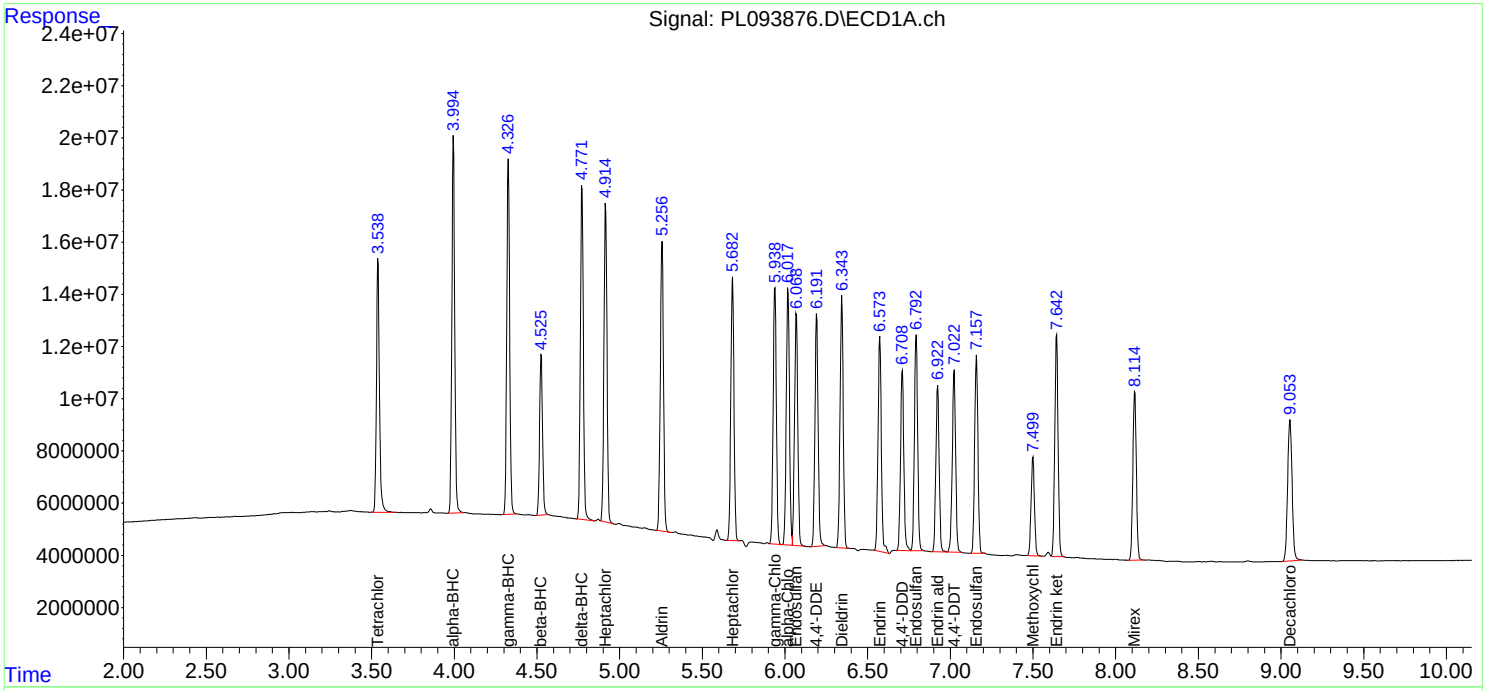
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

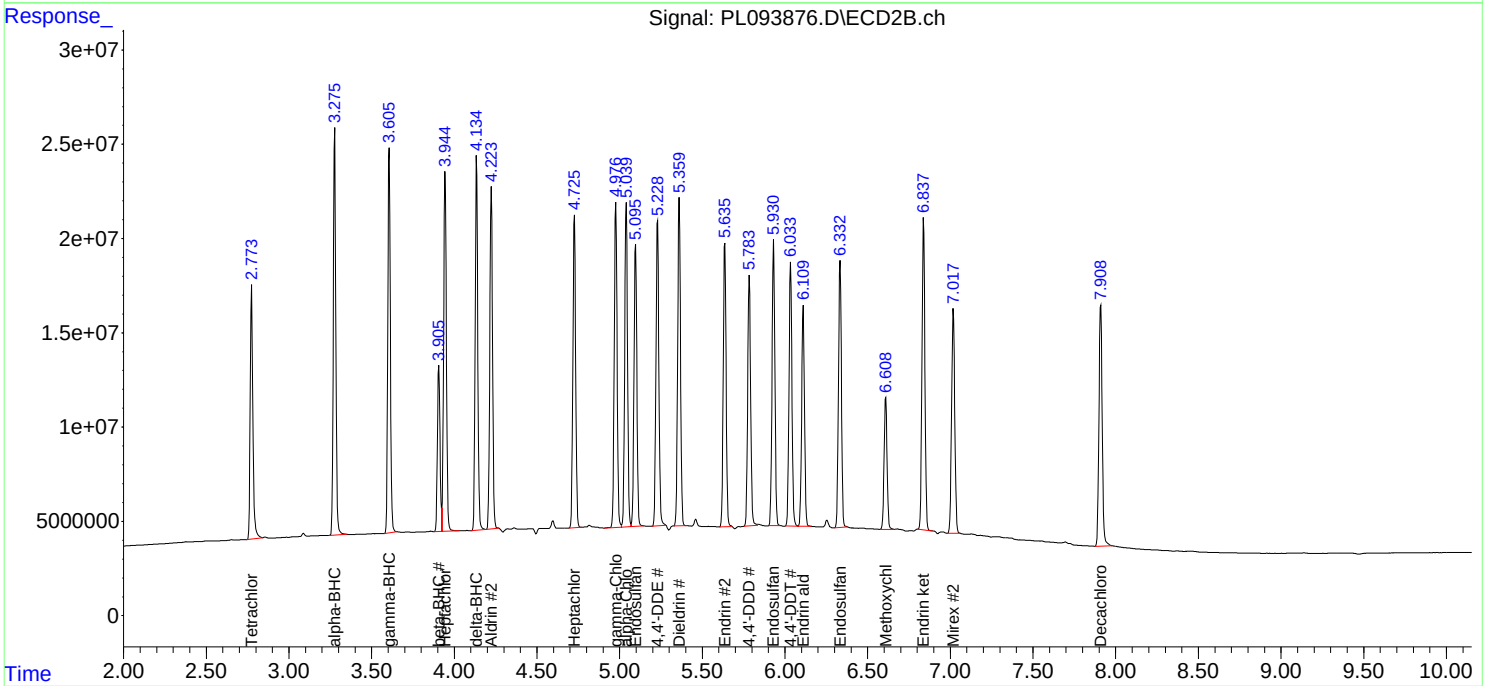
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093876.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

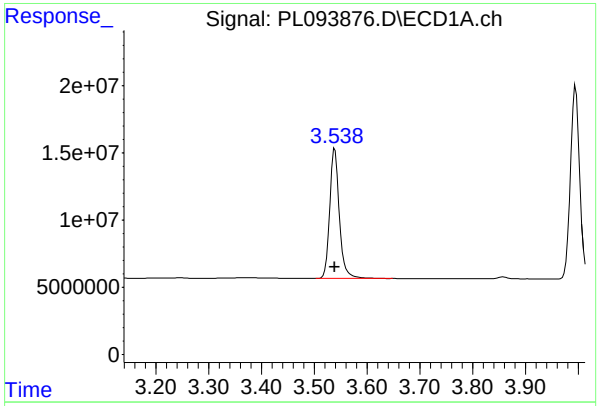
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



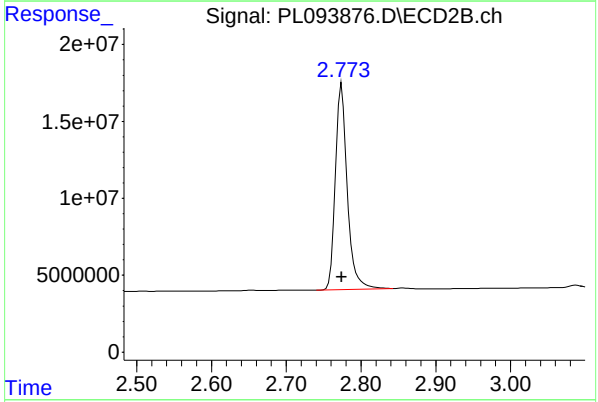




#1 Tetrachloro-m-xylene

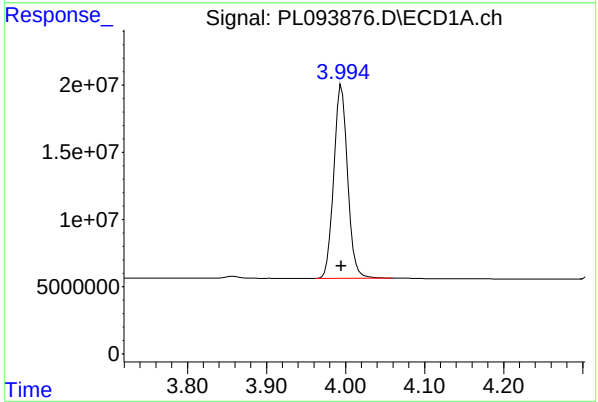
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 122226432
Conc: 45.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



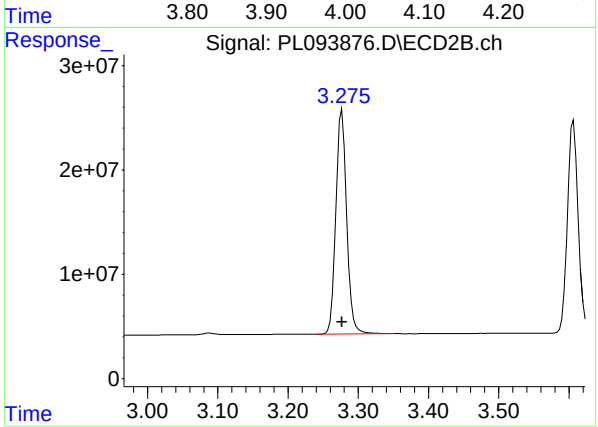
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 148417707
Conc: 45.47 ng/ml



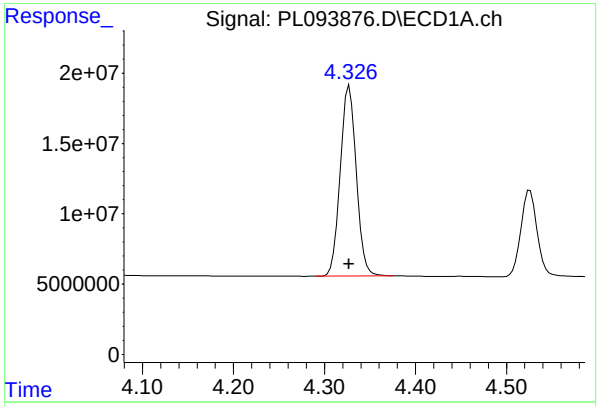
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 175417661
Conc: 45.76 ng/ml



#2 alpha-BHC

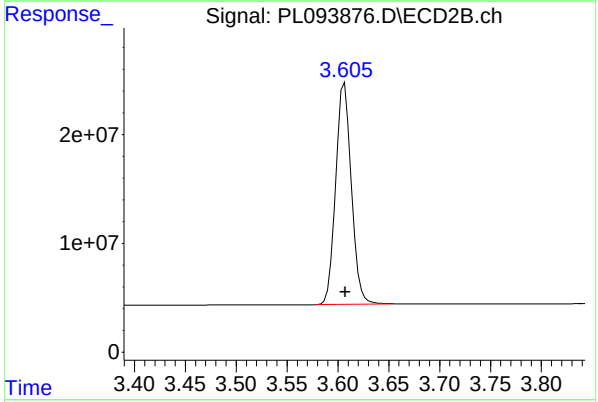
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 229270696
Conc: 46.90 ng/ml



#3 gamma-BHC (Lindane)

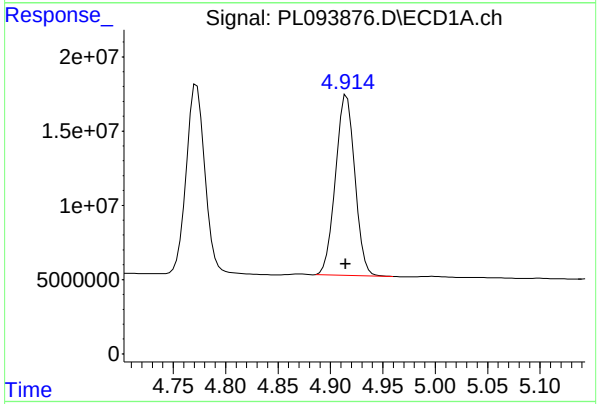
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 166230357
Conc: 45.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



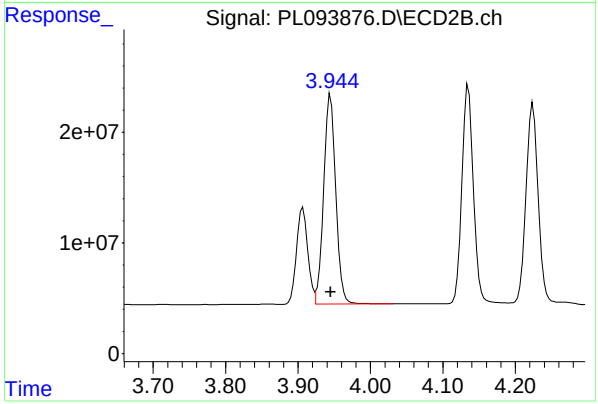
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 218142807
Conc: 46.01 ng/ml



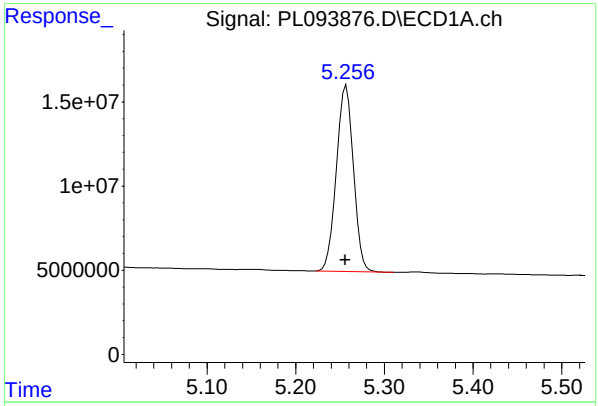
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 155875770
Conc: 47.56 ng/ml



#4 Heptachlor

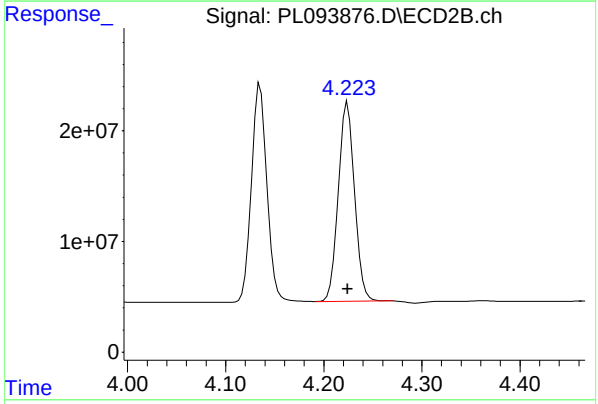
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 220813565
Conc: 47.44 ng/ml



#5 Aldrin

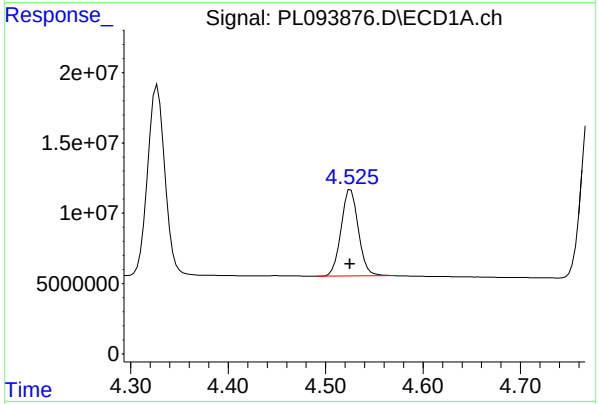
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 147615605
Conc: 45.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



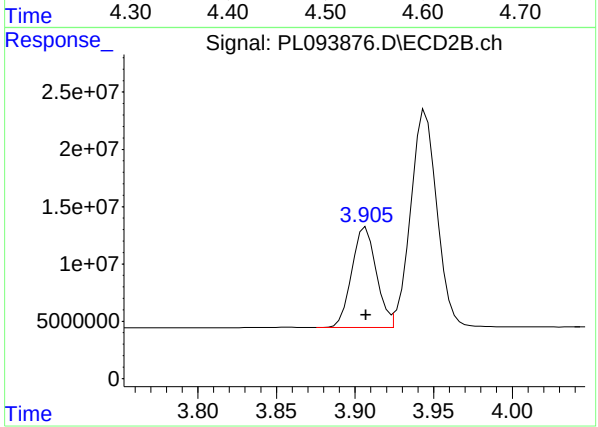
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 207380535
Conc: 45.46 ng/ml



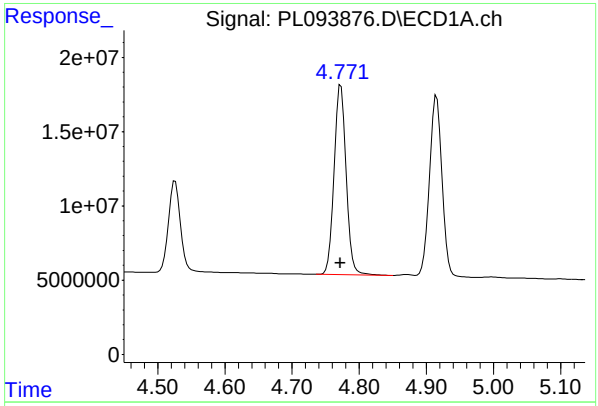
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 75592389
Conc: 47.03 ng/ml



#6 beta-BHC

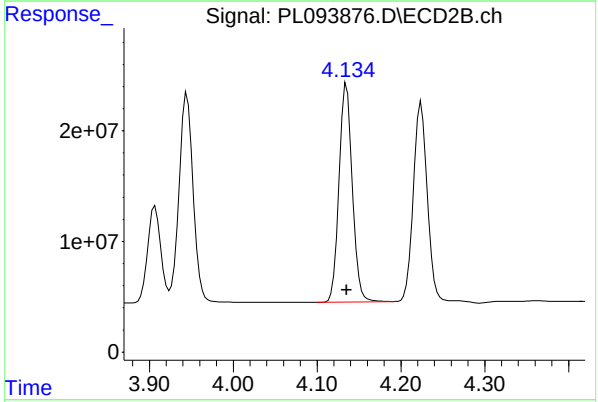
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 95205705
Conc: 47.66 ng/ml



#7 delta-BHC

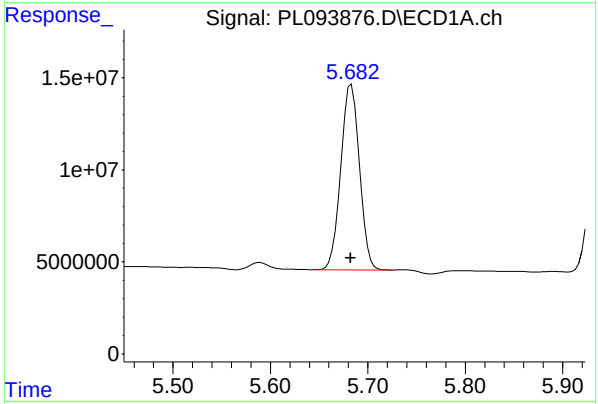
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 159306220
Conc: 45.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



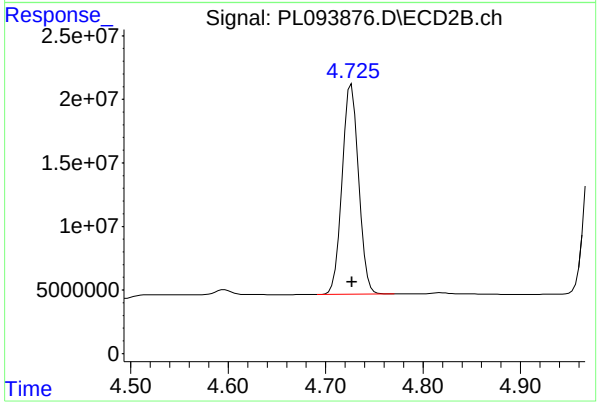
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 216729312
Conc: 45.62 ng/ml



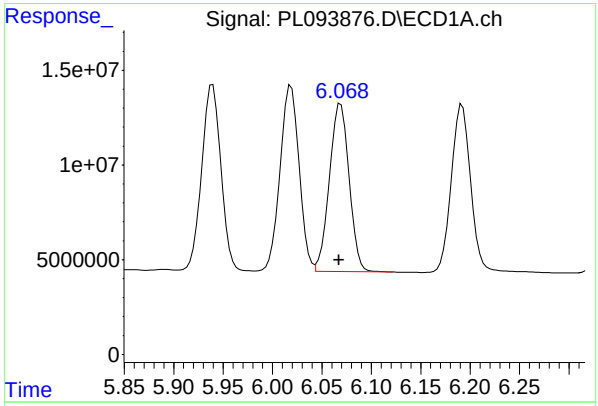
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 134222794
Conc: 45.13 ng/ml



#8 Heptachlor epoxide

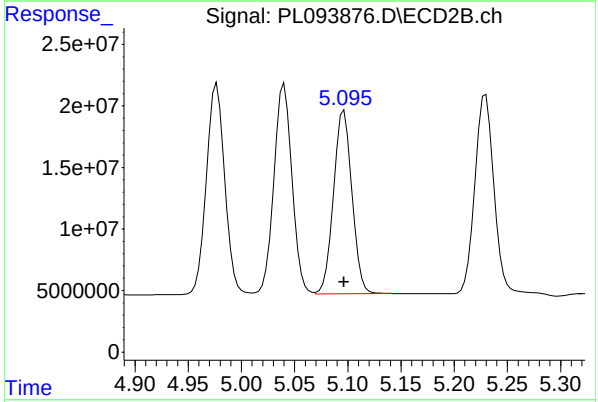
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 194194747
Conc: 46.46 ng/ml



#9 Endosulfan I

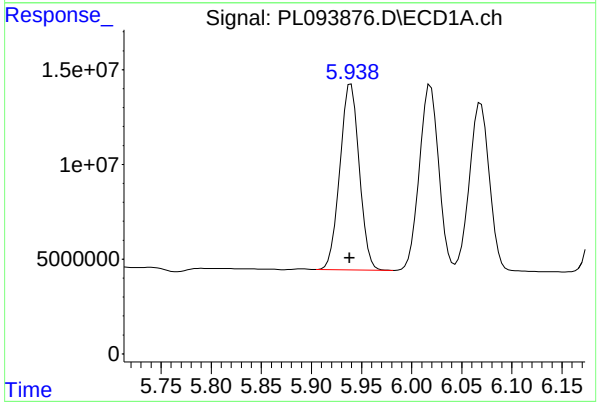
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 122746986
Conc: 46.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



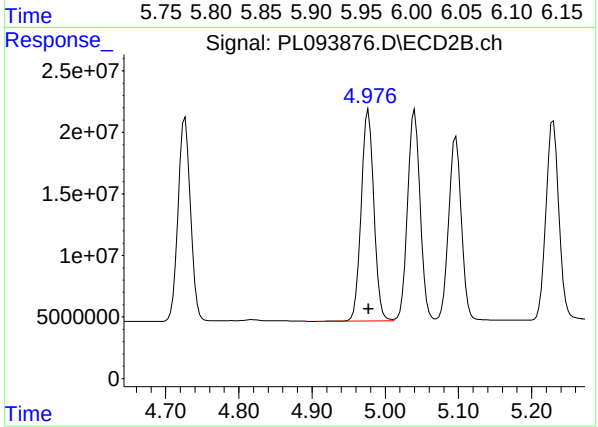
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 179395188
Conc: 46.27 ng/ml



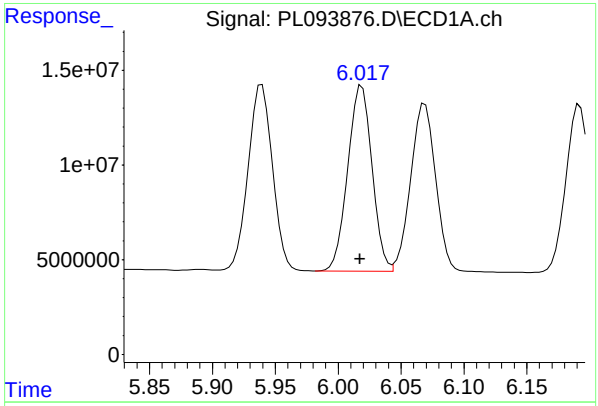
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.001 min
Response: 131840130
Conc: 47.30 ng/ml



#10 gamma-Chlordane

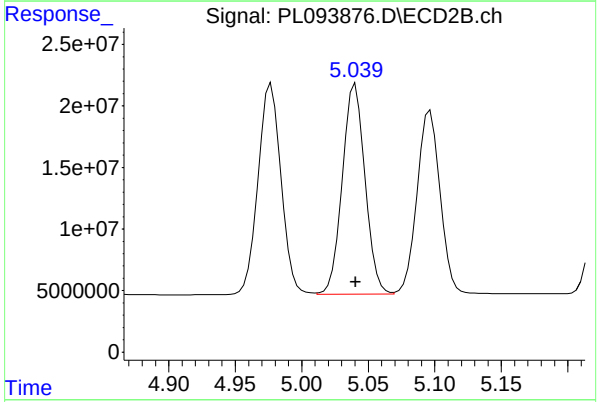
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 206639820
Conc: 48.76 ng/ml



#11 alpha-Chlordane

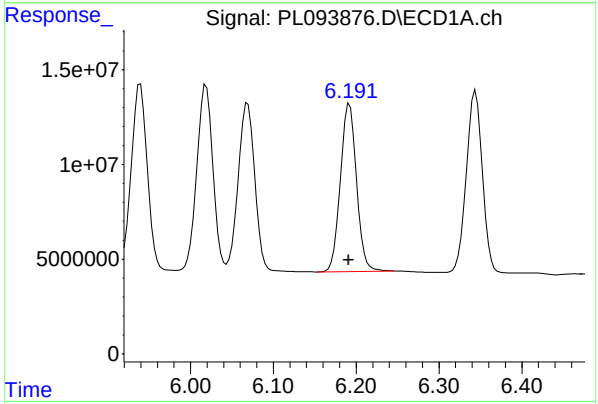
R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 131602124
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



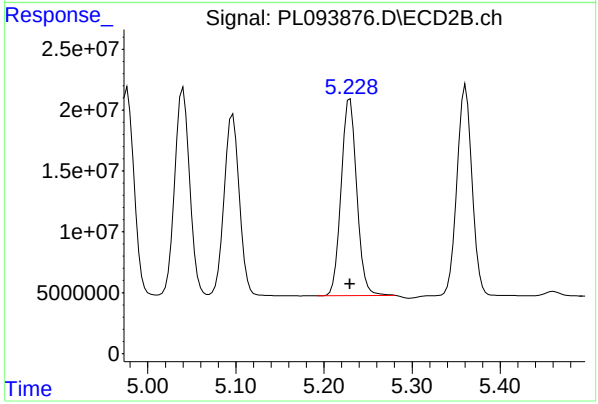
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 203340898
Conc: 48.57 ng/ml



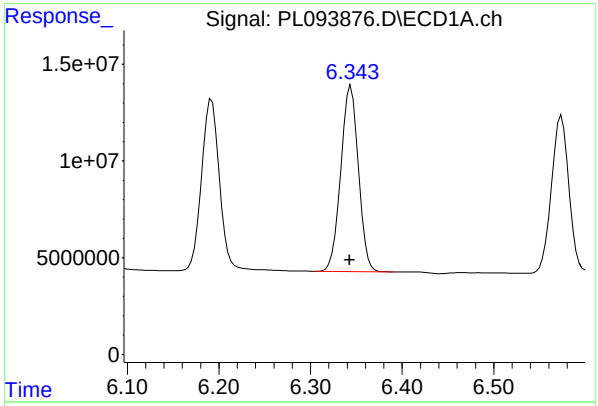
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 119880121
Conc: 49.24 ng/ml



#12 4,4'-DDE

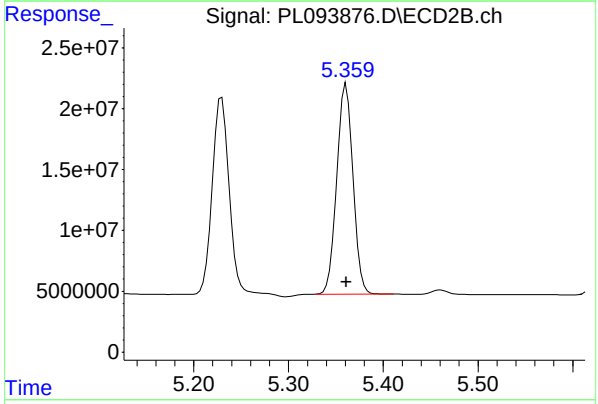
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 199585801
Conc: 49.78 ng/ml



#13 Dieldrin

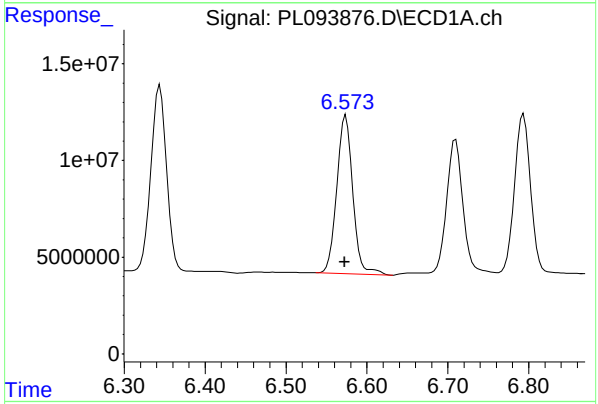
R.T.: 6.344 min
Delta R.T.: 0.001 min
Response: 128757028
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



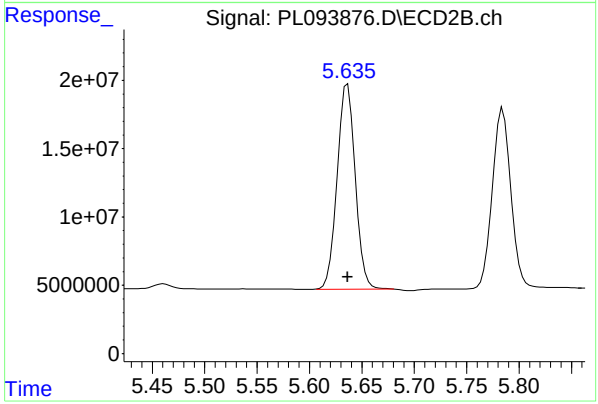
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 205014334
Conc: 47.73 ng/ml



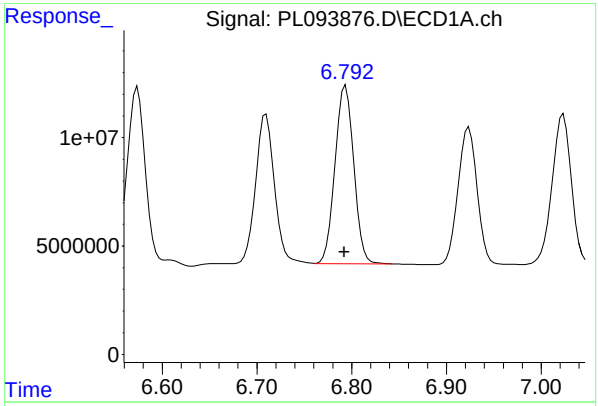
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 112820817
Conc: 48.11 ng/ml



#14 Endrin

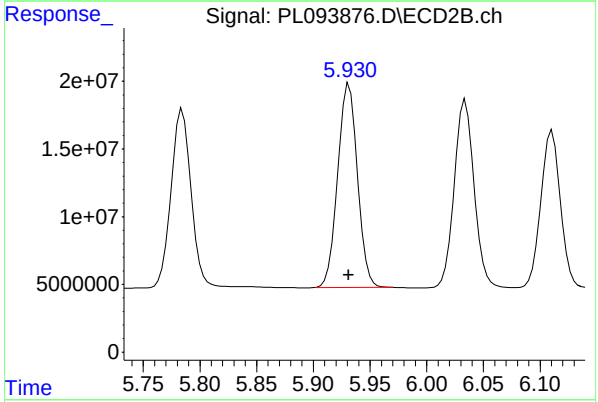
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 180478732
Conc: 48.87 ng/ml



#15 Endosulfan II

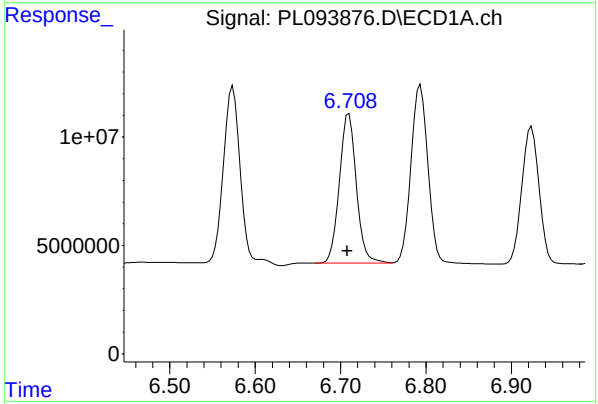
R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 113105881
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



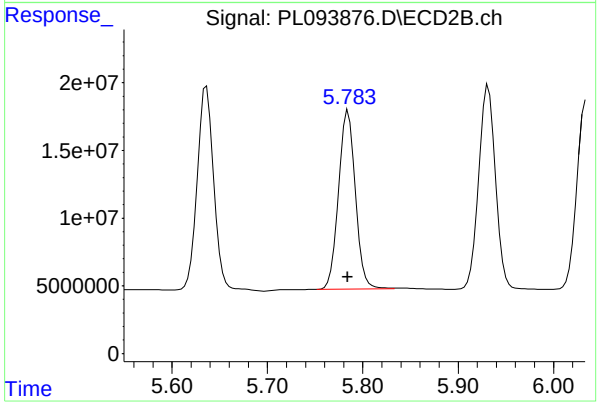
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 182237754
Conc: 49.20 ng/ml



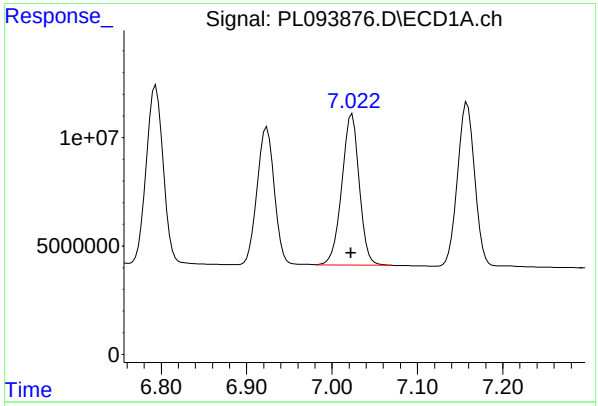
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.001 min
Response: 95353192
Conc: 50.17 ng/ml



#16 4,4'-DDD

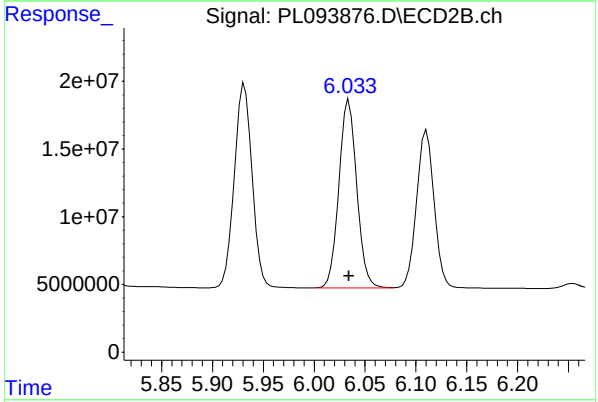
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 162075404
Conc: 51.35 ng/ml



#17 4,4'-DDT

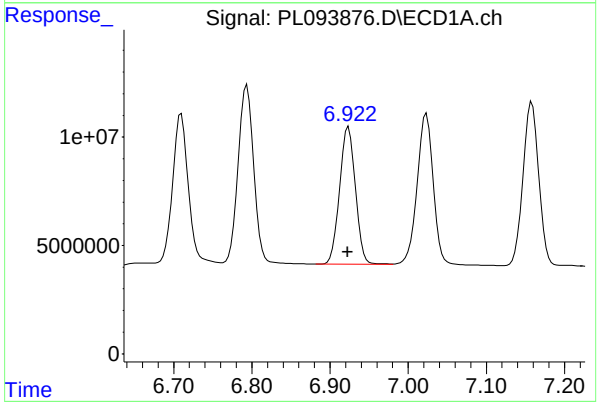
R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 99256893
Conc: 50.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



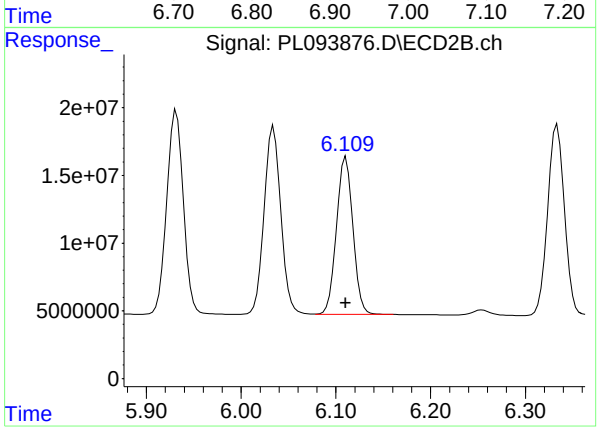
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 169586719
Conc: 52.12 ng/ml



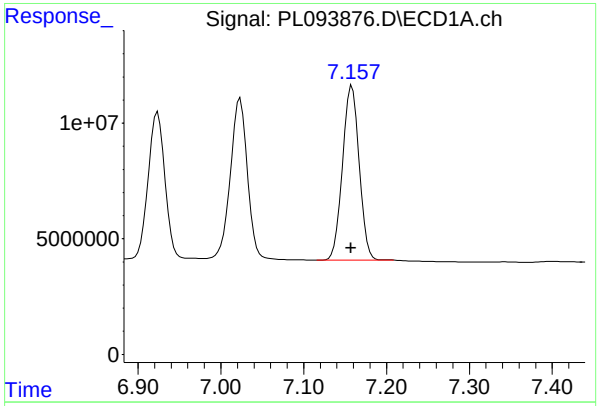
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 89192328
Conc: 45.88 ng/ml



#18 Endrin aldehyde

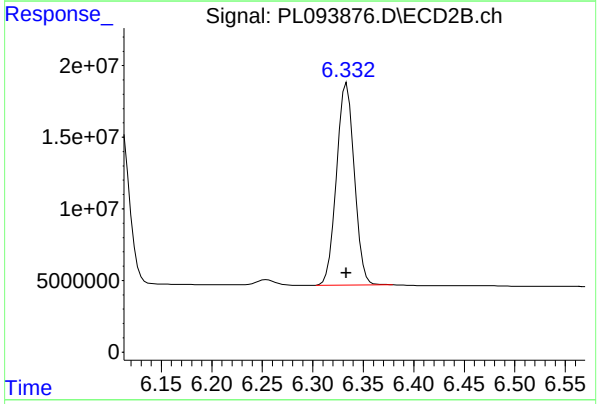
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 139649334
Conc: 45.87 ng/ml



#19 Endosulfan Sulfate

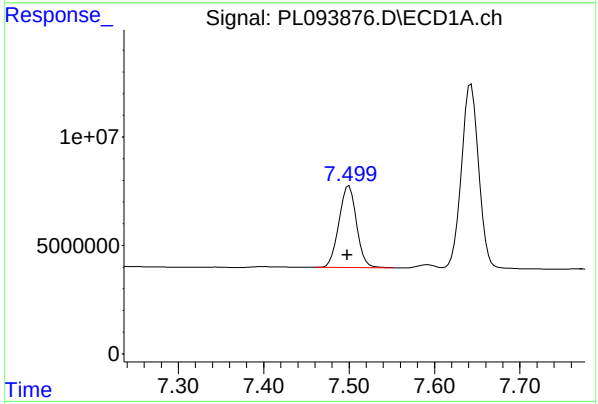
R.T.: 7.158 min
Delta R.T.: 0.001 min
Response: 105560930
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



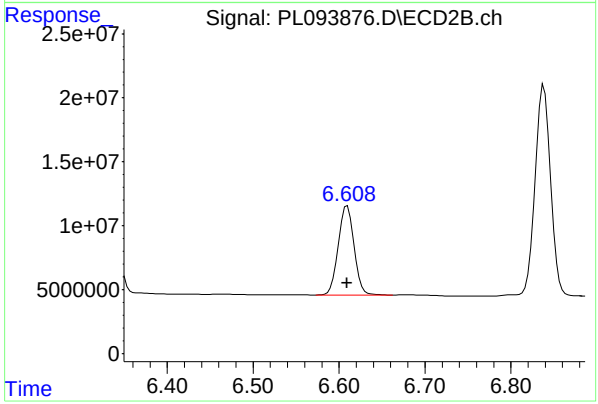
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 173326318
Conc: 48.60 ng/ml



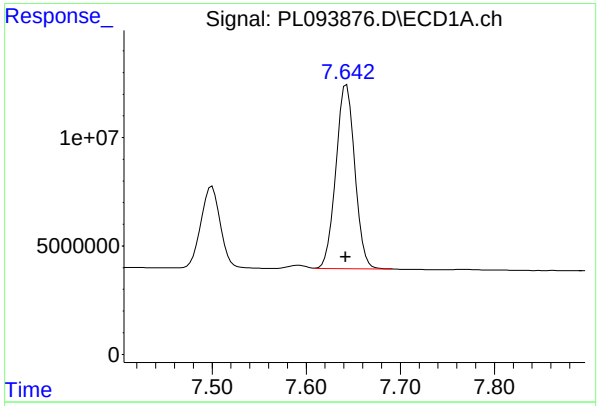
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 53782080
Conc: 51.55 ng/ml



#20 Methoxychlor

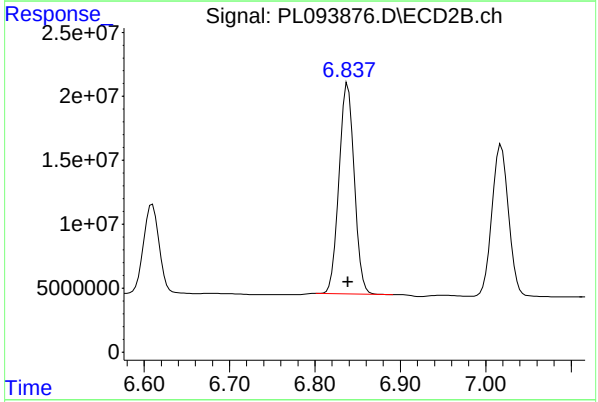
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 89095994
Conc: 49.83 ng/ml



#21 Endrin ketone

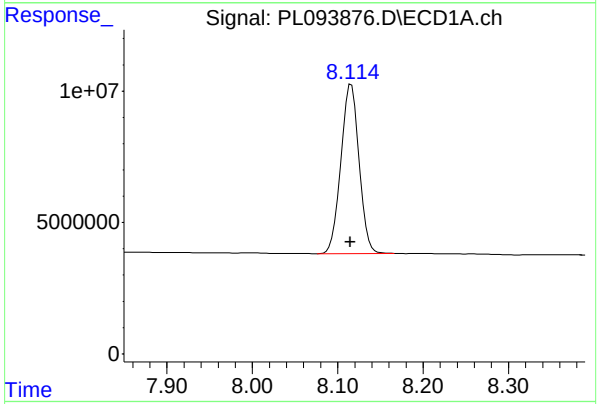
R.T.: 7.643 min
Delta R.T.: 0.001 min
Response: 118851771
Conc: 47.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



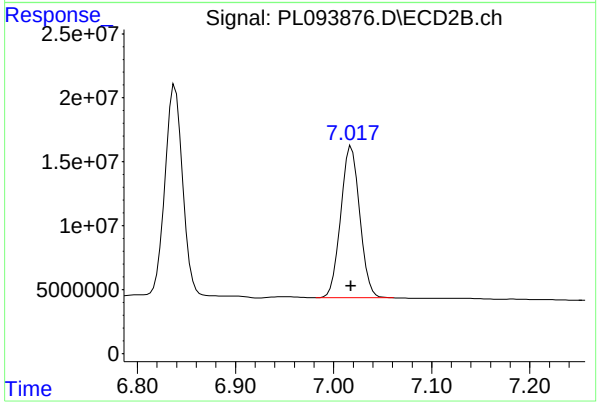
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 203885599
Conc: 48.60 ng/ml



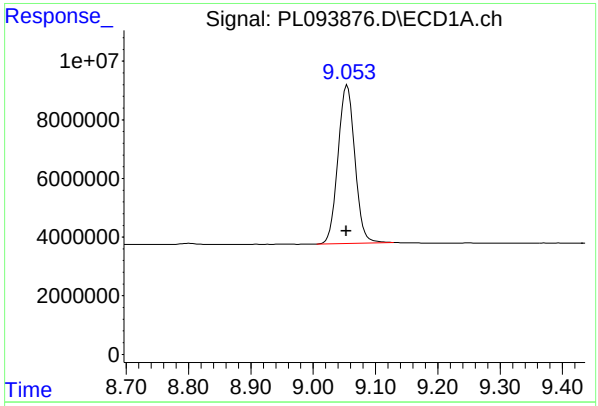
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 95384896
Conc: 45.80 ng/ml



#22 Mirex

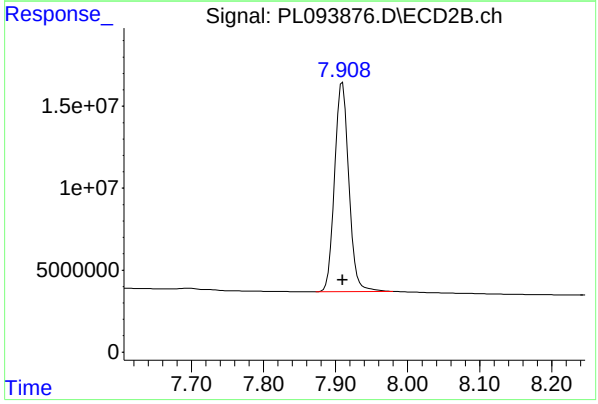
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 159655271
Conc: 47.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 101645166
Conc: 48.59 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 174518321
Conc: 49.80 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 13:53 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 13:53 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL04 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093888.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.953	9.153	48.490	50.000	-3.0
Endrin	6.573	6.472	6.672	43.820	50.000	-12.4
gamma-BHC (Lindane)	4.328	4.227	4.427	44.710	50.000	-10.6
Heptachlor	4.916	4.814	5.014	46.250	50.000	-7.5
Heptachlor epoxide	5.684	5.582	5.782	44.430	50.000	-11.1
Methoxychlor	7.500	7.398	7.598	46.980	50.000	-6.0
Tetrachloro-m-xylene	3.539	3.439	3.639	45.400	50.000	-9.2

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL04 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093888.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	48.940	50.000	-2.1
Endrin	5.637	5.536	5.736	45.280	50.000	-9.4
gamma-BHC (Lindane)	3.607	3.507	3.707	44.600	50.000	-10.8
Heptachlor	3.945	3.845	4.045	45.400	50.000	-9.2
Heptachlor epoxide	4.727	4.627	4.827	44.970	50.000	-10.1
Methoxychlor	6.610	6.509	6.709	45.430	50.000	-9.1
Tetrachloro-m-xylene	2.774	2.674	2.874	44.780	50.000	-10.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	122.2E6	146.2E6	45.396	44.782
28) SA	Decachlor...	9.056	7.910	101.4E6	171.5E6	48.492	48.945
	Target Compounds						
2) A	alpha-BHC	3.995	3.277	173.9E6	223.5E6	45.353	45.705
3) MA	gamma-BHC...	4.328	3.607	164.7E6	211.5E6	44.711	44.602
4) MA	Heptachlor	4.916	3.945	151.6E6	211.3E6	46.251	45.401
5) MB	Aldrin	5.258	4.224	144.8E6	200.7E6	44.254	43.995
6) B	beta-BHC	4.526	3.907	74247789	92327707	46.193	46.223
7) B	delta-BHC	4.773	4.135	157.5E6	211.1E6	44.923	44.426
8) B	Heptachlo...	5.684	4.727	132.1E6	188.0E6	44.427	44.969
9) A	Endosulfan I	6.069	5.097	119.7E6	168.7E6	45.280	43.514
10) B	gamma-Chl...	5.940	4.977	129.0E6	198.4E6	46.267	46.809
11) B	alpha-Chl...	6.019	5.041	129.0E6	195.2E6	46.274	46.630
12) B	4,4'-DDE	6.193	5.230	117.6E6	192.2E6	48.288	47.936
13) MA	Dieldrin	6.345	5.361	126.4E6	195.8E6	45.519	45.589
14) MA	Endrin	6.573	5.637	102.8E6	167.2E6	43.821m	45.277
15) B	Endosulfa...	6.794	5.932	111.4E6	175.0E6	46.224	47.251
16) A	4,4'-DDD	6.710	5.785	96933638	160.1E6	51.003	50.719
17) MA	4,4'-DDT	7.024	6.035	93129277	151.6E6	47.224	46.595
18) B	Endrin al...	6.925	6.111	87931802	134.0E6	45.231	43.996
19) B	Endosulfa...	7.159	6.334	103.8E6	167.1E6	45.855	46.847
20) A	Methoxychlor	7.500	6.610	49020147	81226589	46.981	45.425
21) B	Endrin ke...	7.645	6.839	116.4E6	199.2E6	46.156	47.490
22)	Mirex	8.117	7.019	93526168	151.3E6	44.911	44.727

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

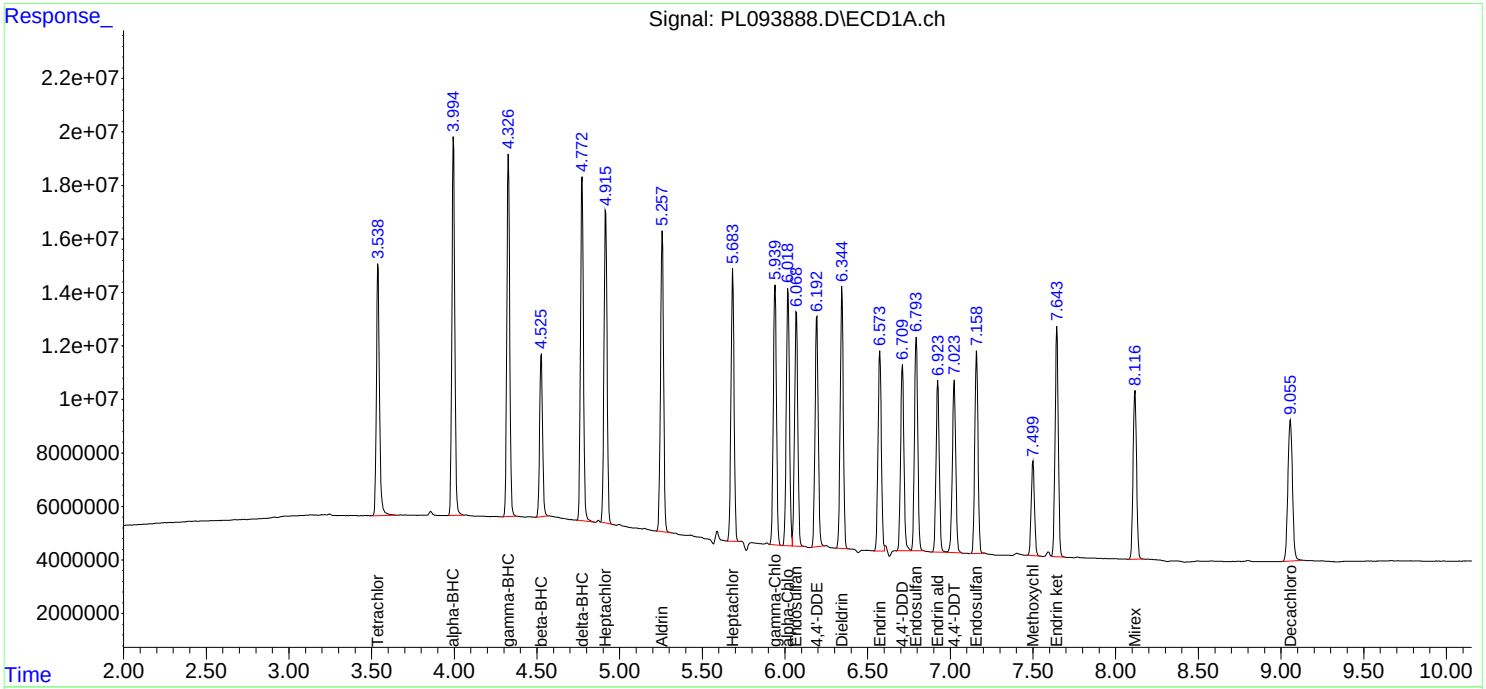
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

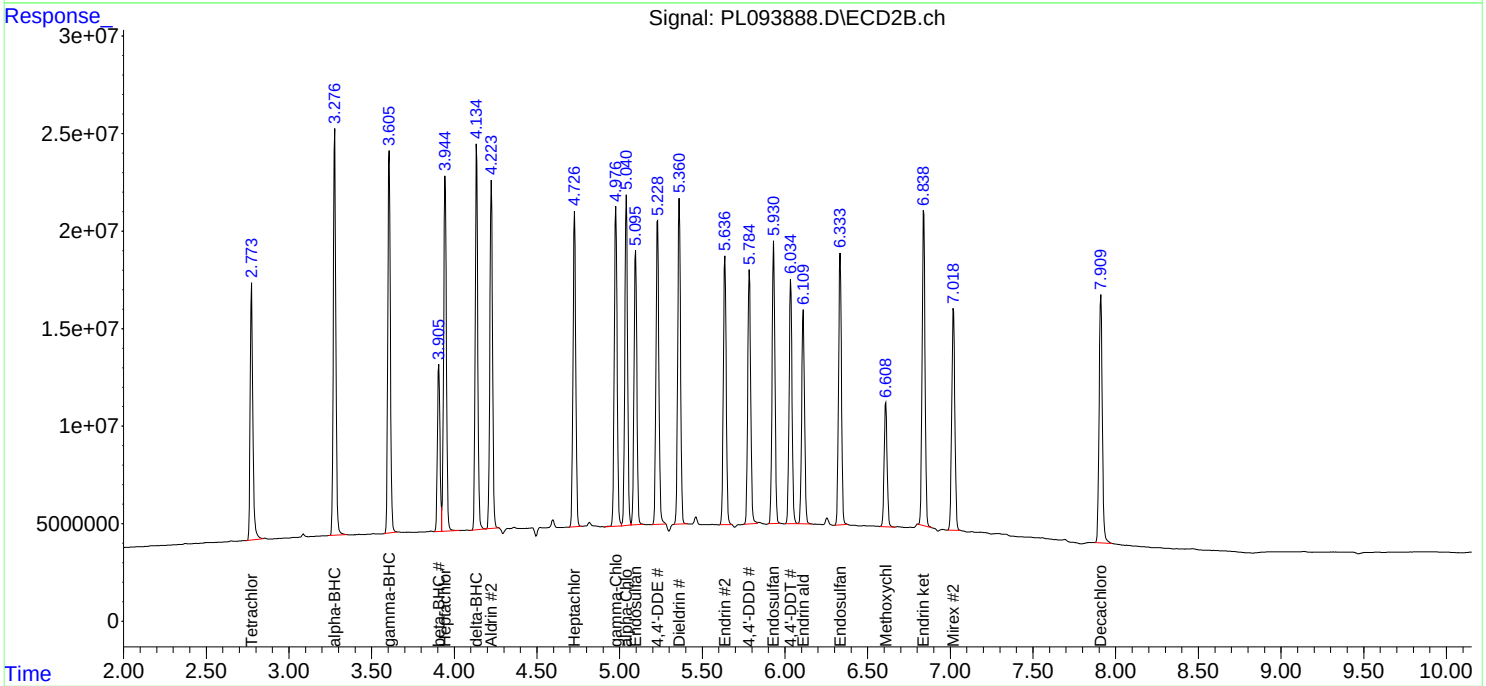
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

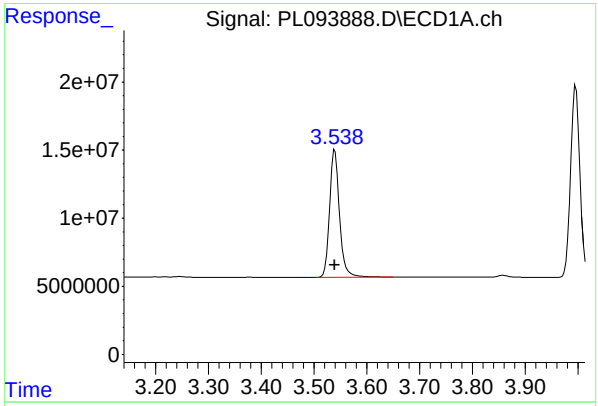
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025







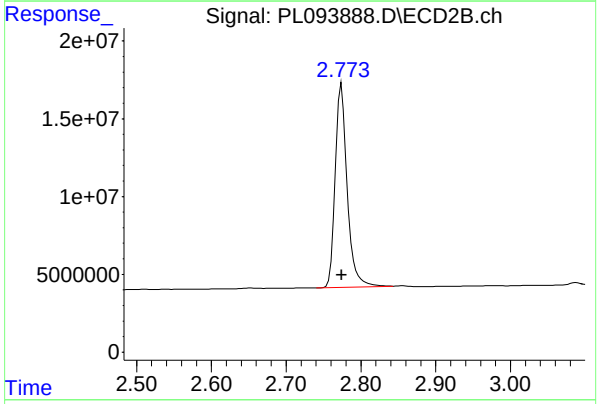
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 122240014
Conc: 45.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

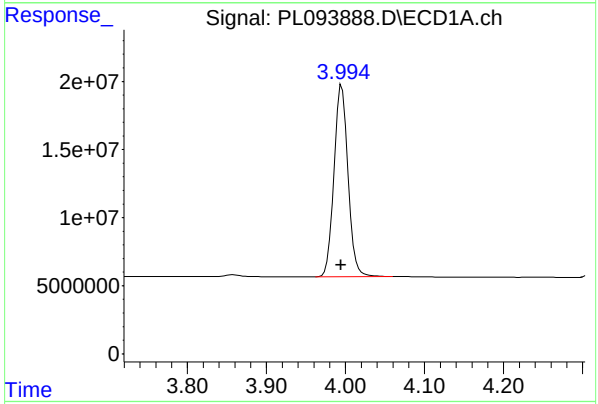
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



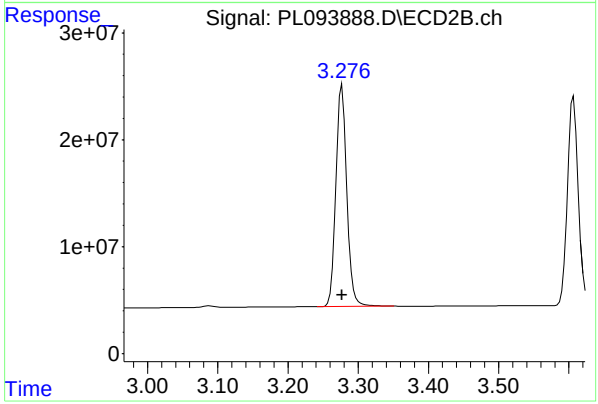
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 146173832
Conc: 44.78 ng/ml



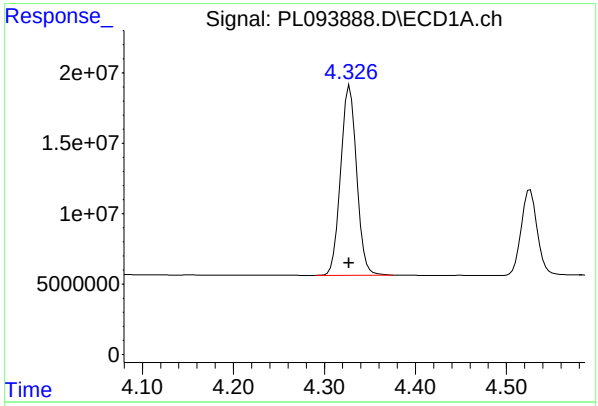
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 173874671
Conc: 45.35 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 223451577
Conc: 45.71 ng/ml



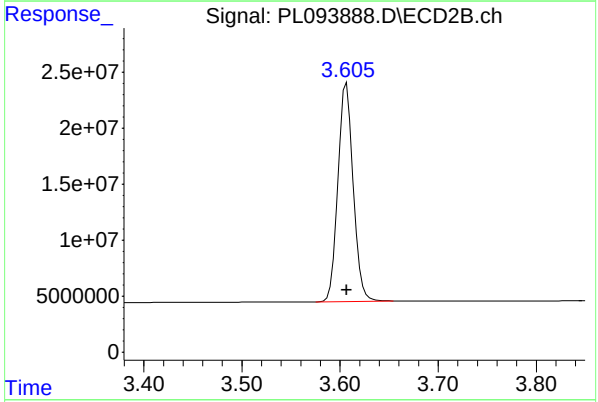
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 164665457
Conc: 44.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

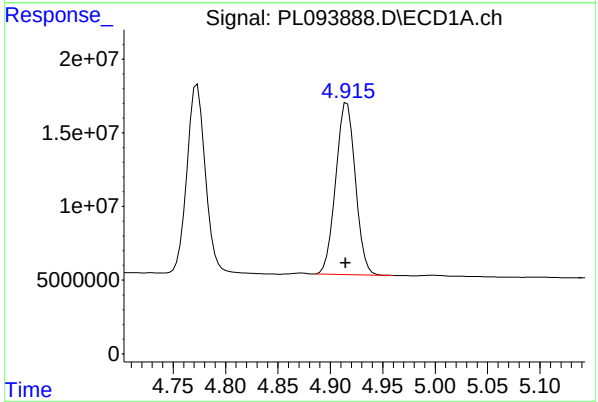
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



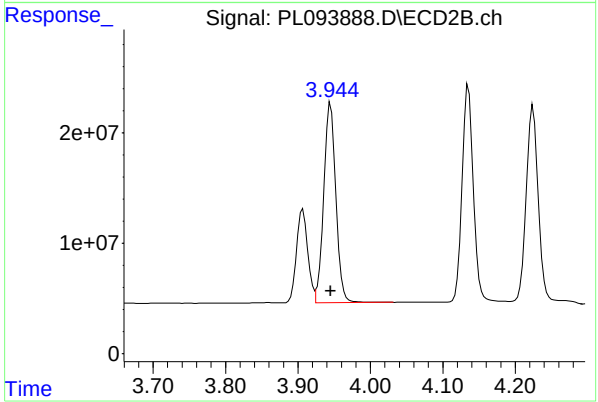
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 211467515
Conc: 44.60 ng/ml



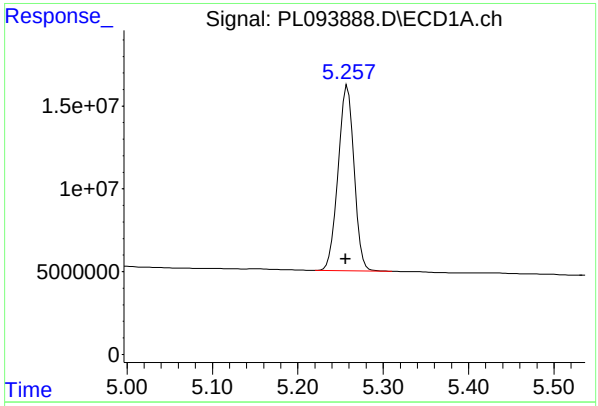
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 151579360
Conc: 46.25 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 211331561
Conc: 45.40 ng/ml



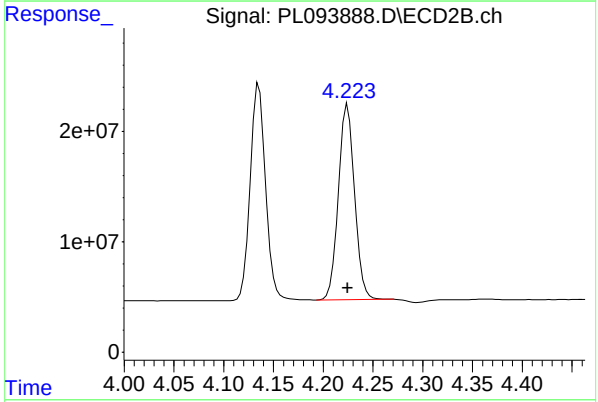
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.002 min
Response: 144797038
Conc: 44.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

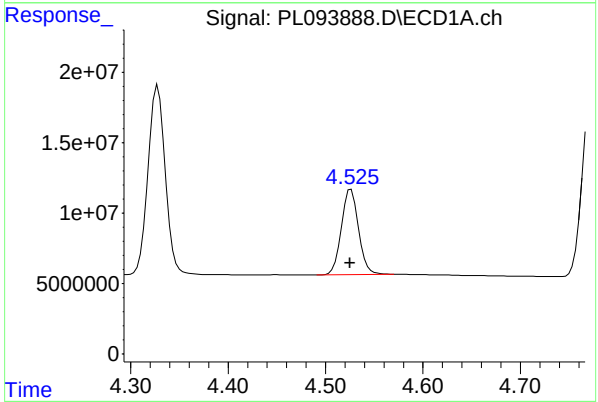
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



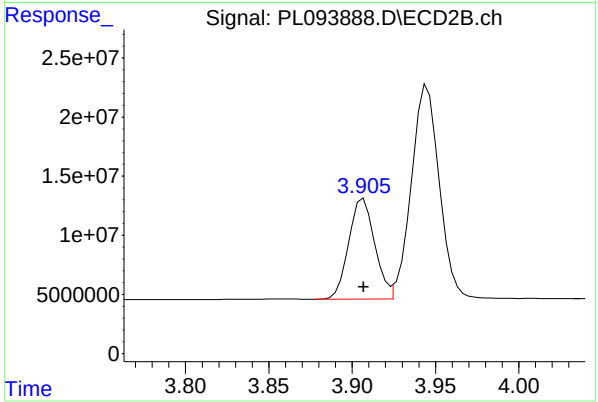
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 200695359
Conc: 43.99 ng/ml



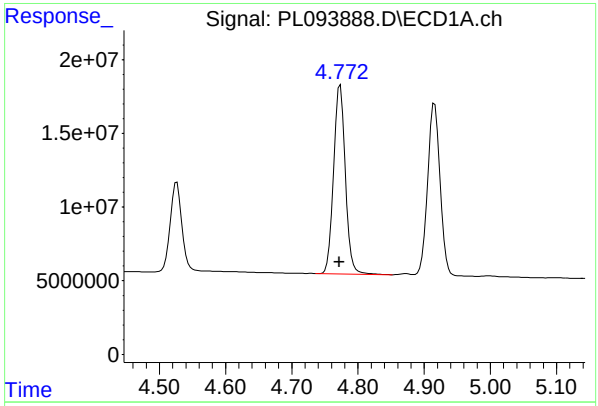
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 74247789
Conc: 46.19 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 92327707
Conc: 46.22 ng/ml



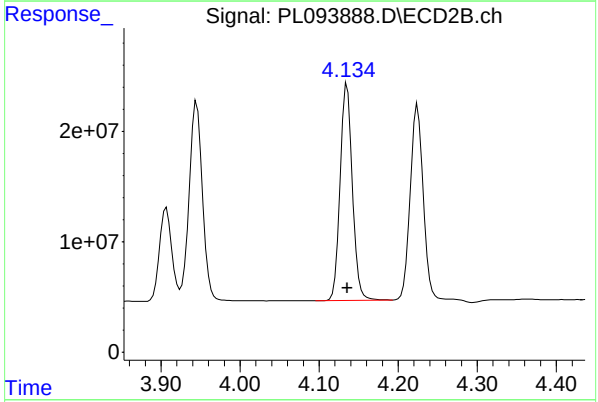
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 157466613
Conc: 44.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

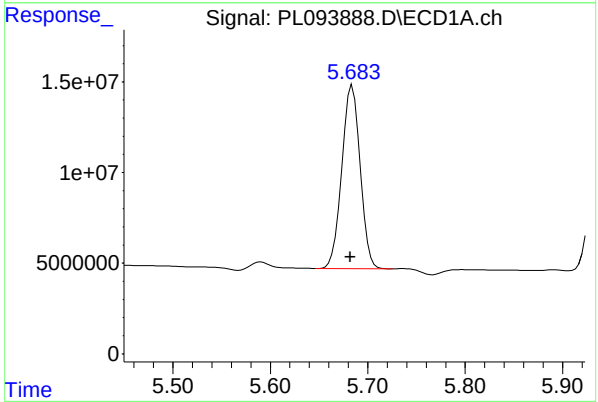
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



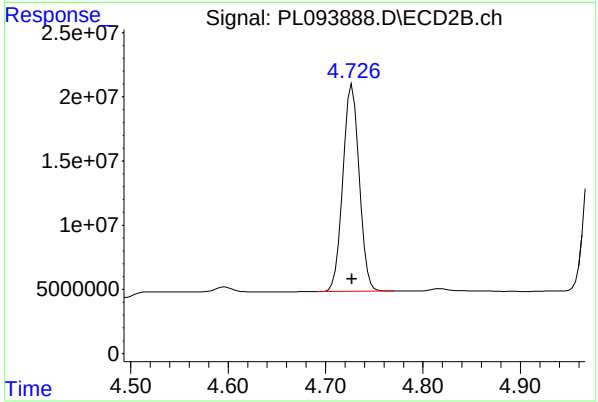
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 211076319
Conc: 44.43 ng/ml



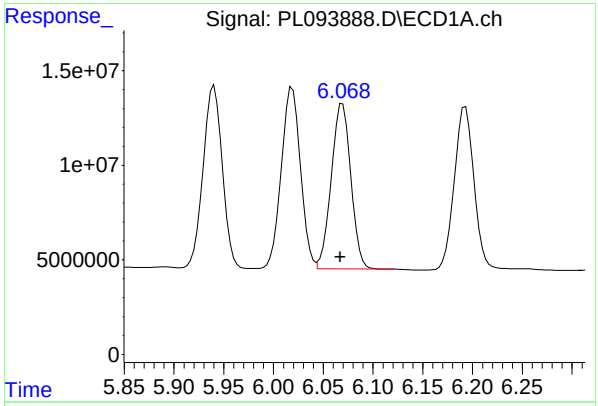
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 132117149
Conc: 44.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 187981286
Conc: 44.97 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 119668716
Conc: 45.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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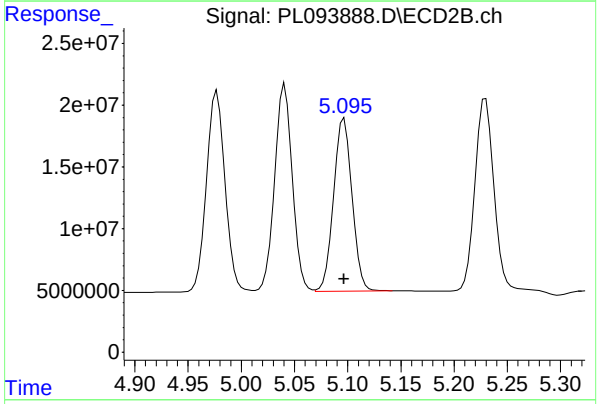
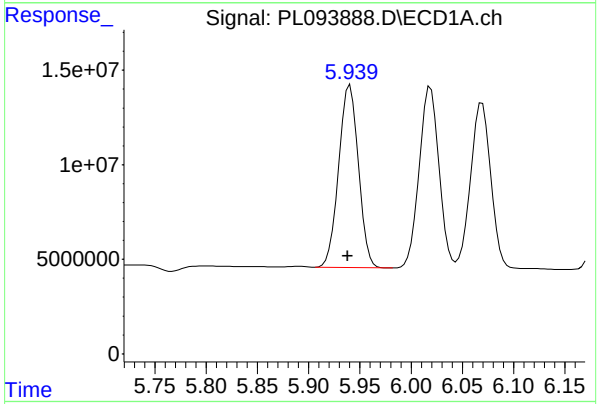
Supervised By :Ankita Jodhani 01/31/2025



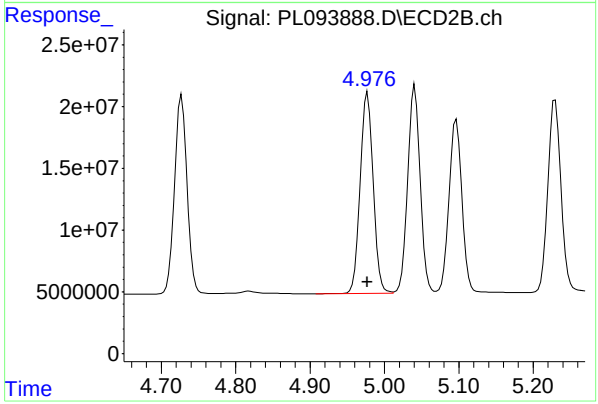
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 168701213
Conc: 43.51 ng/ml



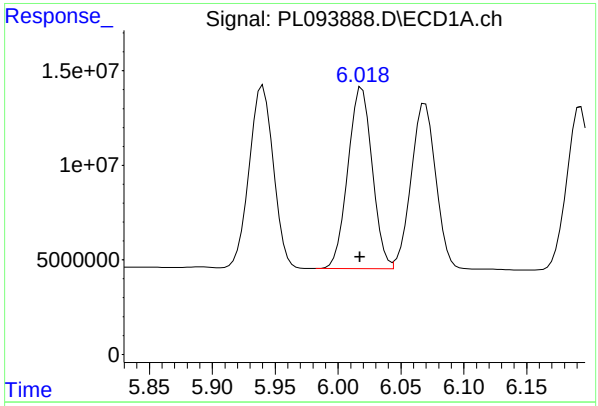
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.002 min
Response: 128962604
Conc: 46.27 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 198359324
Conc: 46.81 ng/ml



#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 129029767
Conc: 46.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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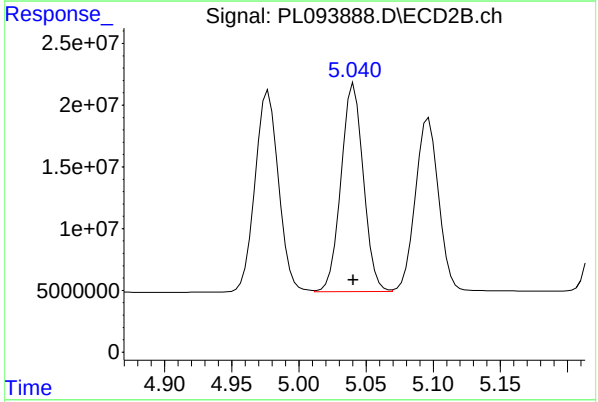
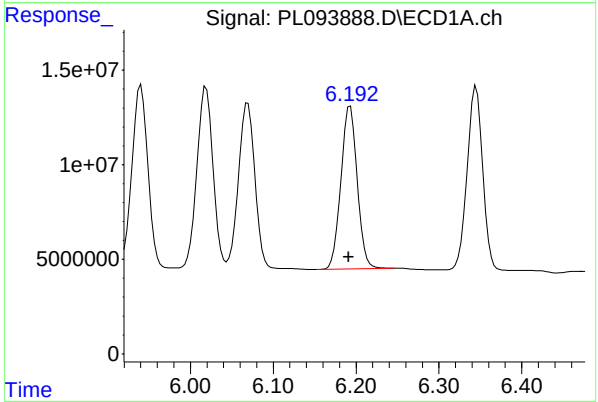
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



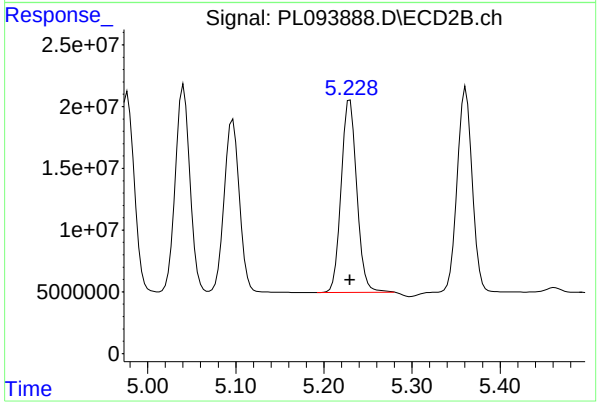
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 195217575
Conc: 46.63 ng/ml



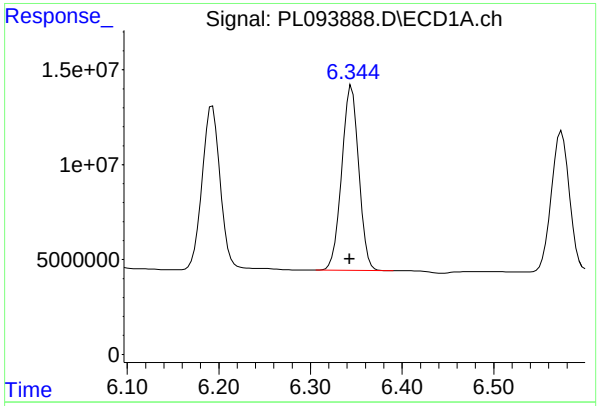
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 117560969
Conc: 48.29 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 192196127
Conc: 47.94 ng/ml



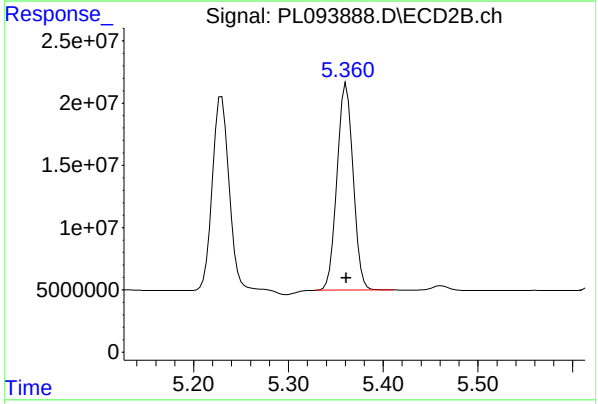
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 126354103
Conc: 45.52 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

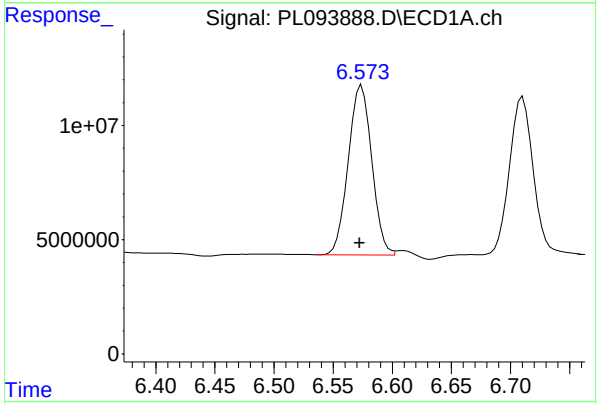
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



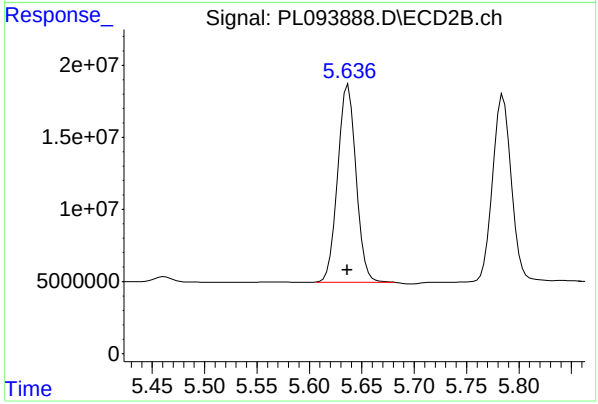
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 195832251
Conc: 45.59 ng/ml



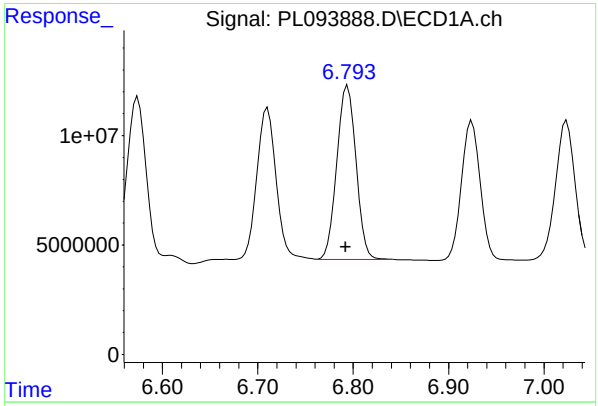
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 102752717
Conc: 43.82 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 167192103
Conc: 45.28 ng/ml



#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 111370989
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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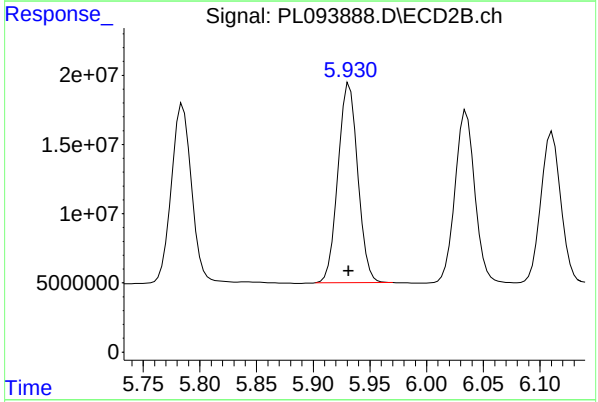
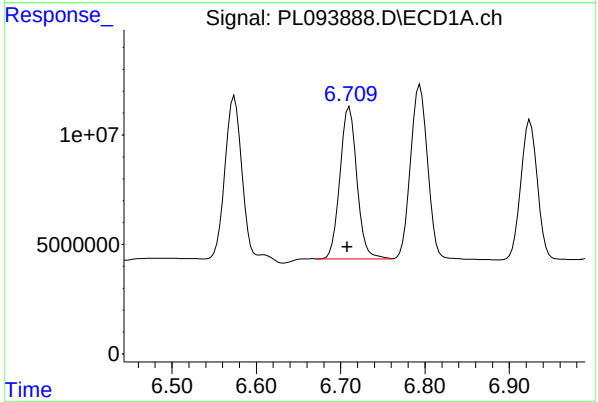
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



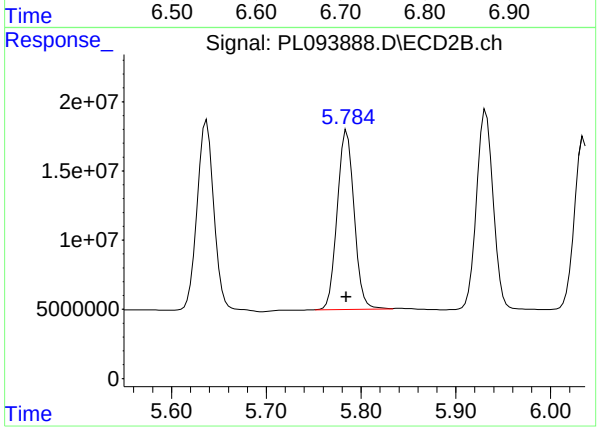
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 175010173
Conc: 47.25 ng/ml



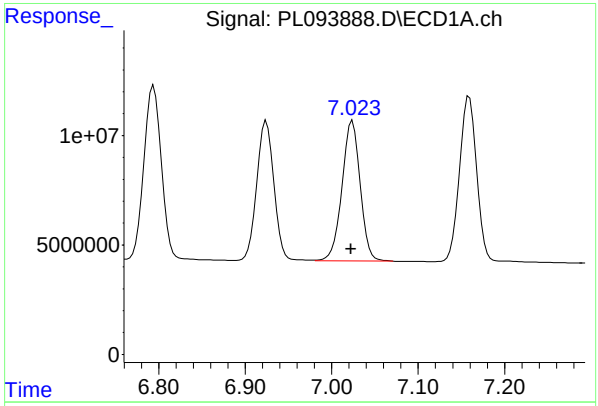
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 96933638
Conc: 51.00 ng/ml



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 160095115
Conc: 50.72 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 93129277
Conc: 47.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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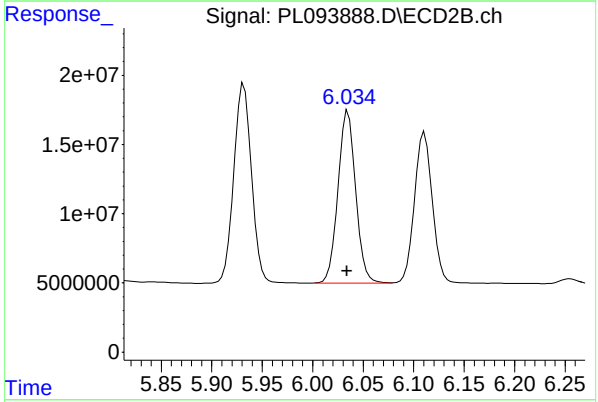
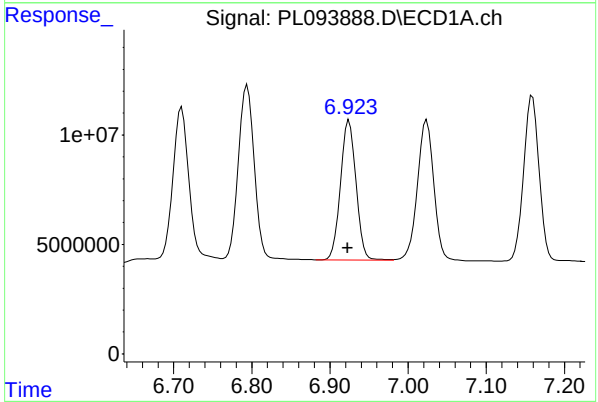


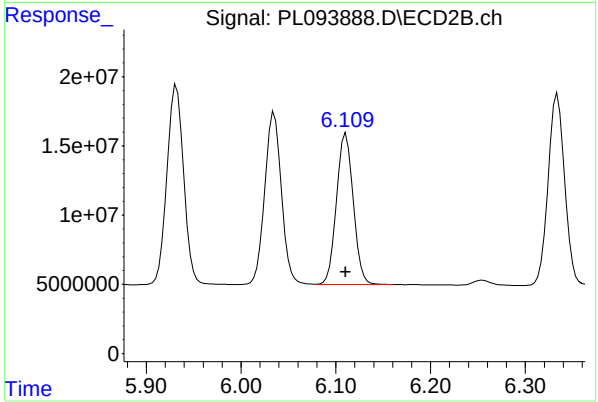
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 151621181
Conc: 46.59 ng/ml



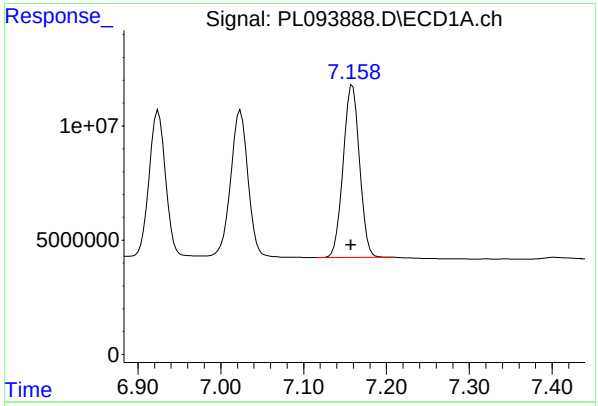
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 87931802
Conc: 45.23 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 133953448
Conc: 44.00 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 103804949
Conc: 45.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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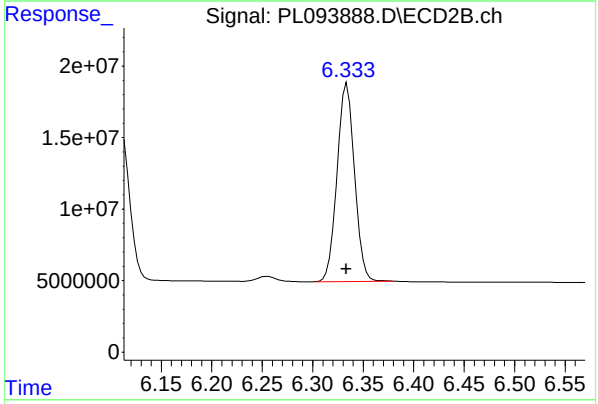
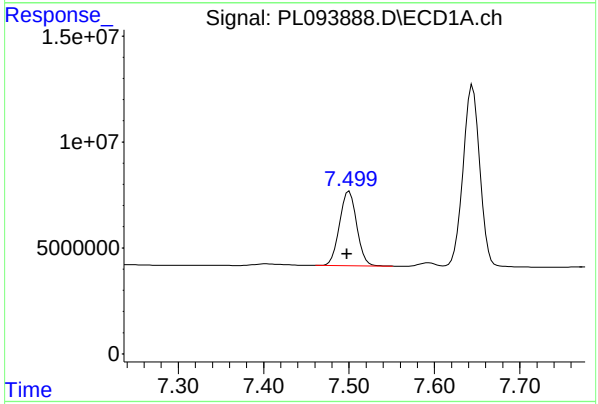


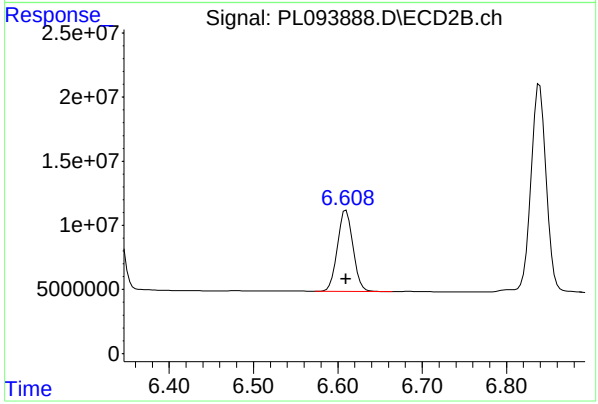
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 167061847
Conc: 46.85 ng/ml



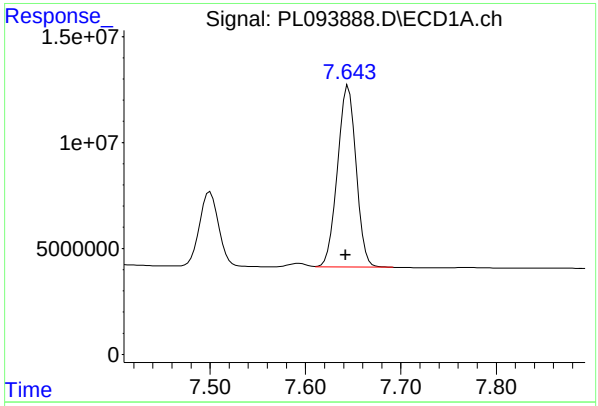
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 49020147
Conc: 46.98 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 81226589
Conc: 45.43 ng/ml



#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 116435152
Conc: 46.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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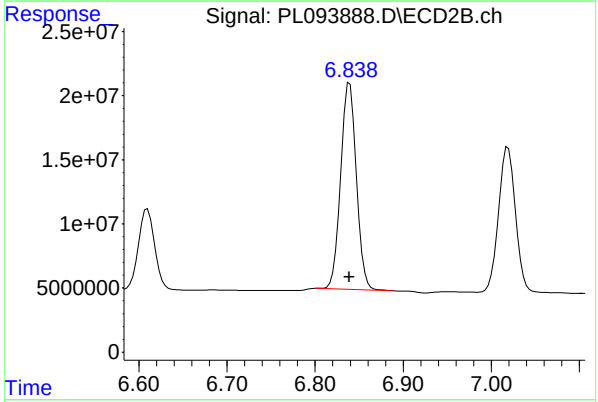
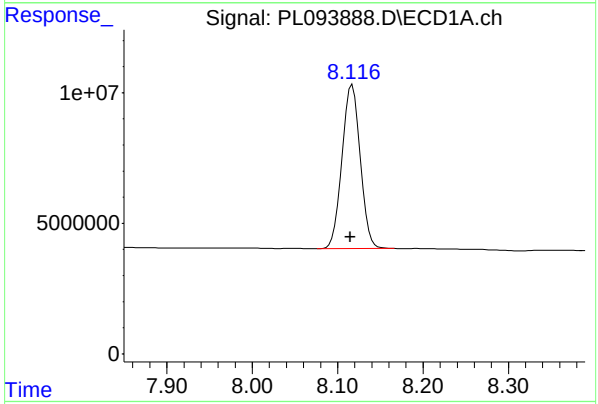


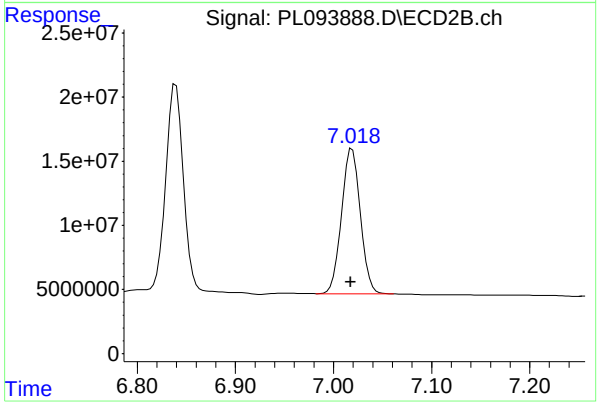
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 199232326
Conc: 47.49 ng/ml



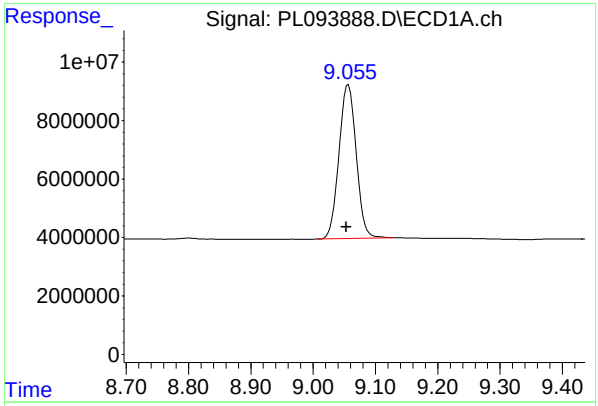
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 93526168
Conc: 44.91 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 151262167
Conc: 44.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 101440950
Conc: 48.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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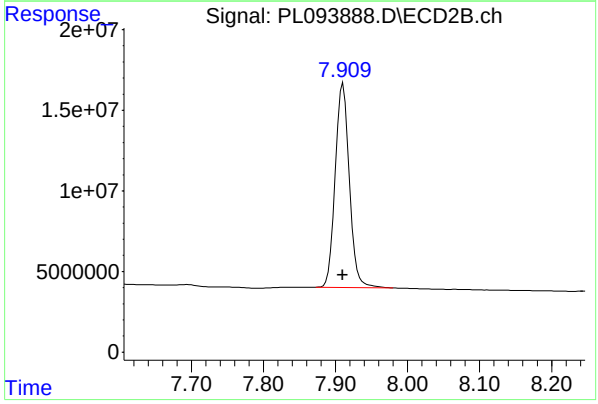

#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 171506526
Conc: 48.94 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL05 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093906.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.053	8.953	9.153	45.970	50.000	-8.1
Endrin	6.571	6.472	6.672	41.650	50.000	-16.7
gamma-BHC (Lindane)	4.326	4.227	4.427	45.020	50.000	-10.0
Heptachlor	4.914	4.814	5.014	45.190	50.000	-9.6
Heptachlor epoxide	5.681	5.582	5.782	43.240	50.000	-13.5
Methoxychlor	7.498	7.398	7.598	44.720	50.000	-10.6
Tetrachloro-m-xylene	3.537	3.439	3.639	45.460	50.000	-9.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL05 **Date Analyzed:** 01/30/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093906.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	45.120	50.000	-9.8
Endrin	5.635	5.536	5.736	44.130	50.000	-11.7
gamma-BHC (Lindane)	3.606	3.507	3.707	46.060	50.000	-7.9
Heptachlor	3.944	3.845	4.045	45.820	50.000	-8.4
Heptachlor epoxide	4.726	4.627	4.827	46.510	50.000	-7.0
Methoxychlor	6.609	6.509	6.709	42.130	50.000	-15.7
Tetrachloro-m-xylene	2.774	2.674	2.874	46.540	50.000	-6.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:36:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.774	122.4E6	151.9E6	45.458	46.540
28)	SA Decachlor...	9.053	7.909	96155717	158.1E6	45.965	45.122
	Target Compounds						
2)	A alpha-BHC	3.993	3.276	175.1E6	231.9E6	45.669	47.434
3)	MA gamma-BHC...	4.326	3.606	165.8E6	218.4E6	45.024	46.058
4)	MA Heptachlor	4.914	3.944	148.1E6	213.3E6	45.193	45.823
5)	MB Aldrin	5.255	4.223	144.5E6	208.9E6	44.154	45.791
6)	B beta-BHC	4.524	3.906	74823831	96172612	46.552	48.148
7)	B delta-BHC	4.771	4.134	158.0E6	218.8E6	45.082	46.049
8)	B Heptachlo...	5.681	4.726	128.6E6	194.4E6	43.240	46.510
9)	A Endosulfan I	6.067	5.095	118.0E6	174.4E6	44.667	44.980
10)	B gamma-Chl...	5.937	4.976	128.5E6	206.5E6	46.086	48.722
11)	B alpha-Chl...	6.017	5.039	127.1E6	201.3E6	45.592	48.084
12)	B 4,4'-DDE	6.190	5.229	116.2E6	199.3E6	47.709	49.713
13)	MA Dieldrin	6.343	5.360	123.0E6	199.3E6	44.310	46.393
14)	MA Endrin	6.571	5.635	97668137	162.9E6	41.653m	44.126
15)	B Endosulfa...	6.792	5.931	108.2E6	171.7E6	44.900	46.351
16)	A 4,4'-DDD	6.708	5.784	97469117	164.1E6	51.284	51.983
17)	MA 4,4'-DDT	7.021	6.034	86222240	142.1E6	43.722	43.657
18)	B Endrin al...	6.922	6.110	85722518	132.9E6	44.095	43.639
19)	B Endosulfa...	7.157	6.333	100.6E6	162.5E6	44.432	45.573
20)	A Methoxychlor	7.498	6.609	46657244	75330218	44.717	42.128
21)	B Endrin ke...	7.642	6.837	114.3E6	190.6E6	45.305	45.439
22)	Mirex	8.114	7.017	87455487	144.1E6	41.996	42.623

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

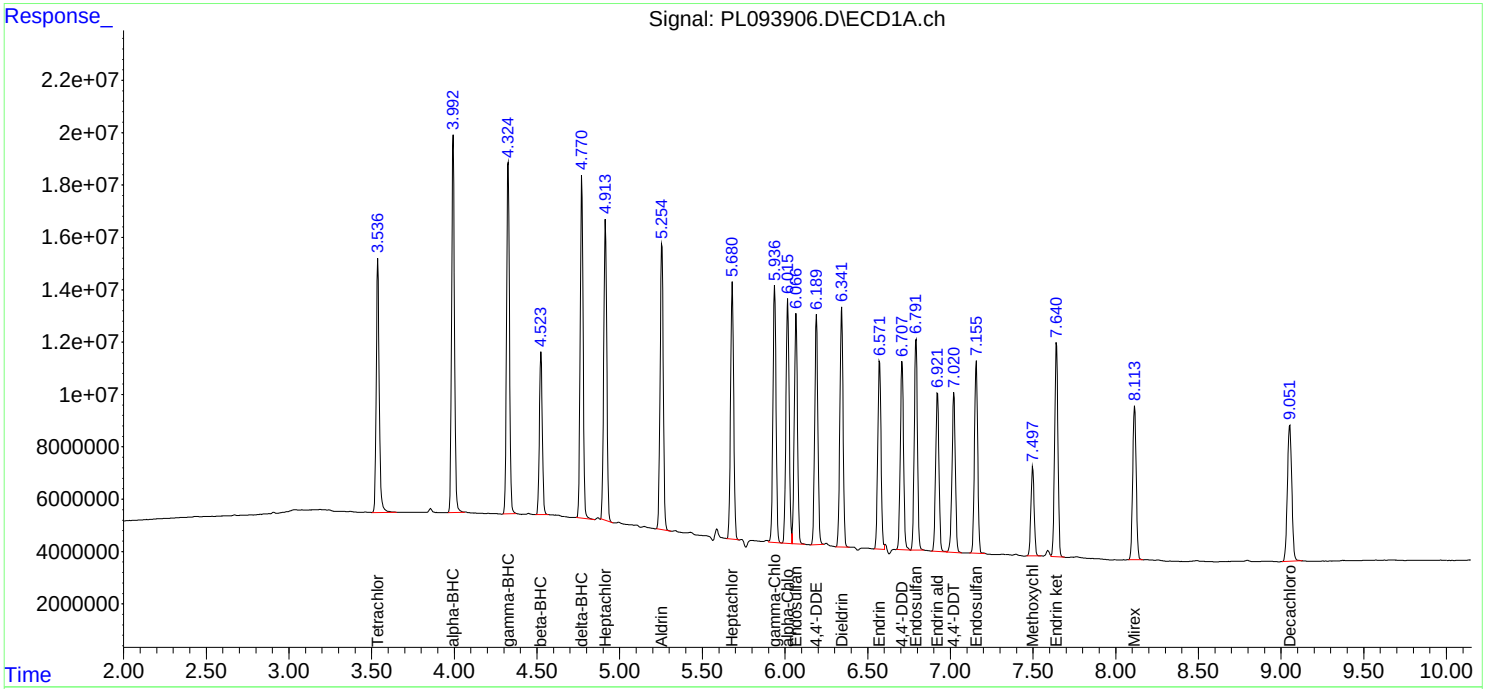
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:36:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

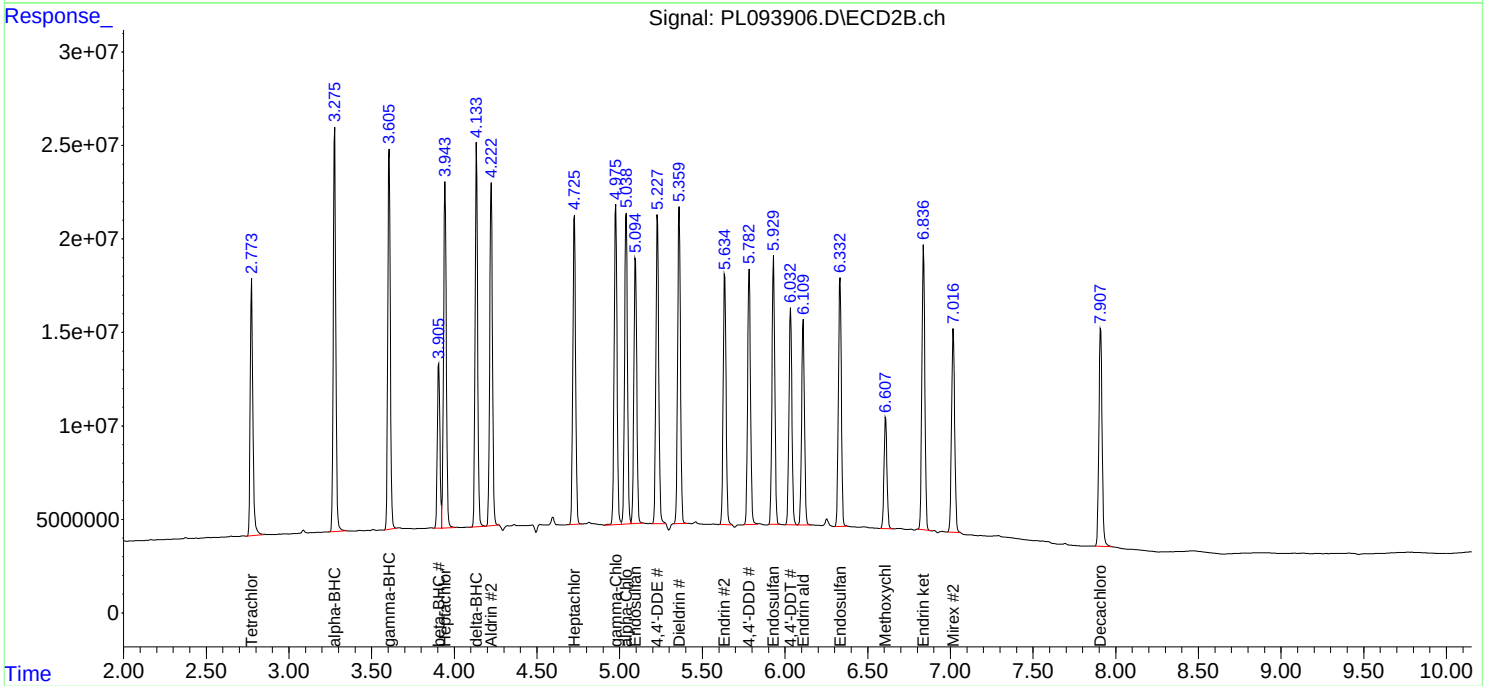
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

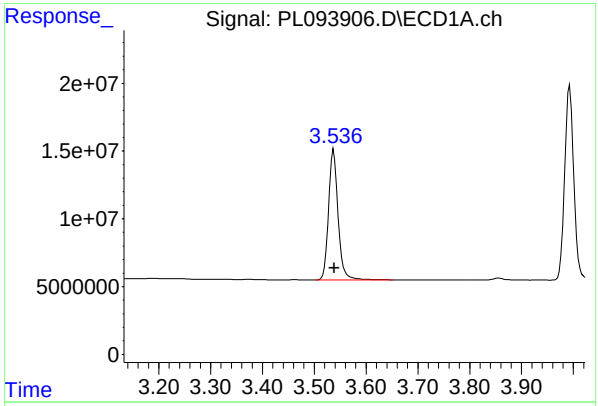
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025







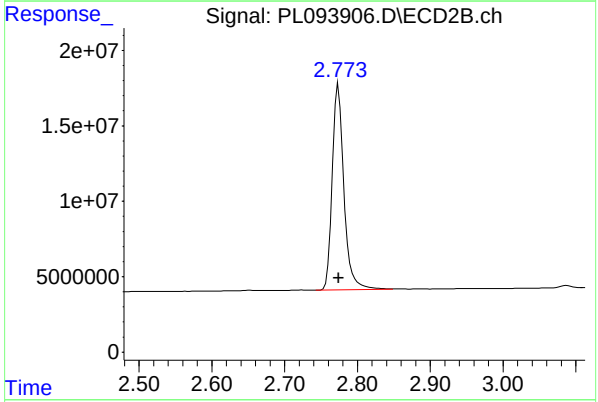
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 122406298
Conc: 45.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

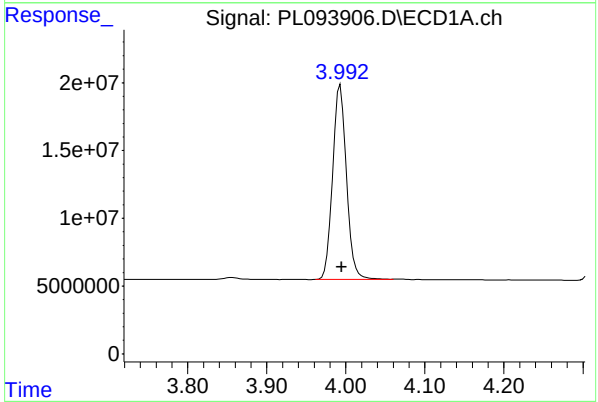
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



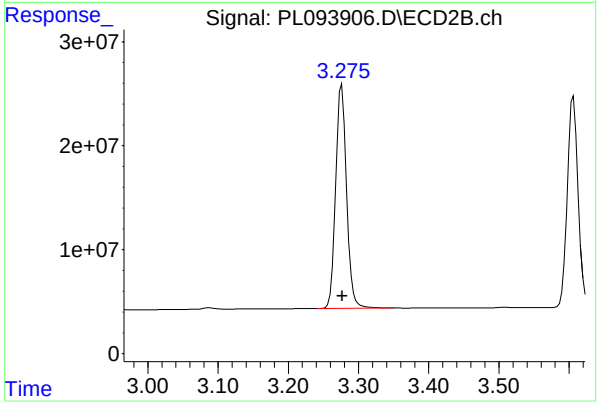
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 151915206
Conc: 46.54 ng/ml



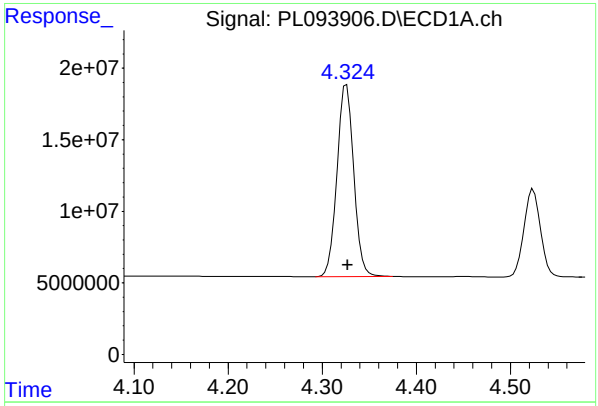
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 175089022
Conc: 45.67 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 231903439
Conc: 47.43 ng/ml



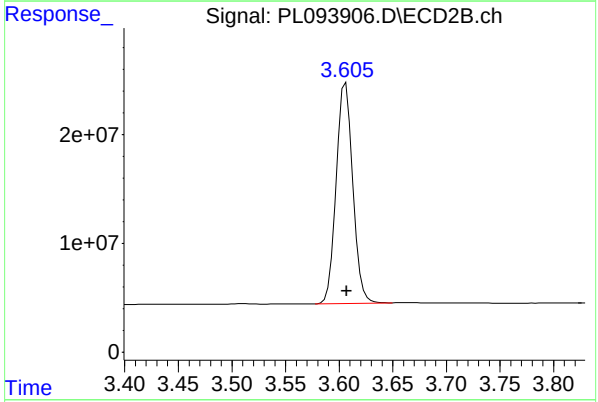
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 165816820
Conc: 45.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

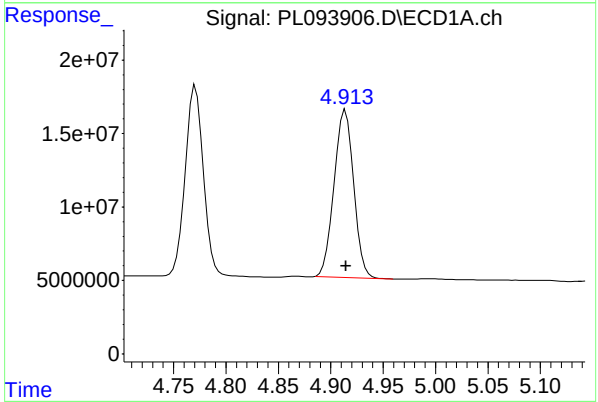
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



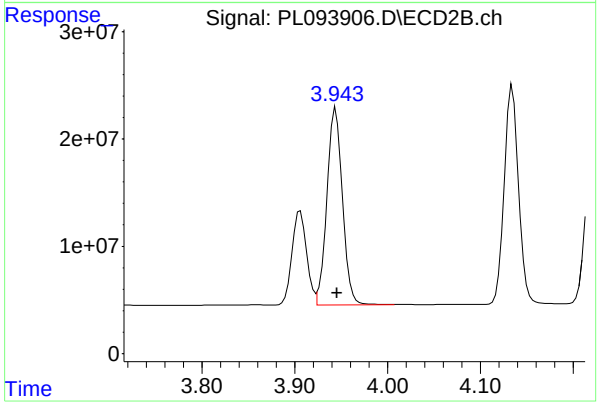
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 218368883
Conc: 46.06 ng/ml



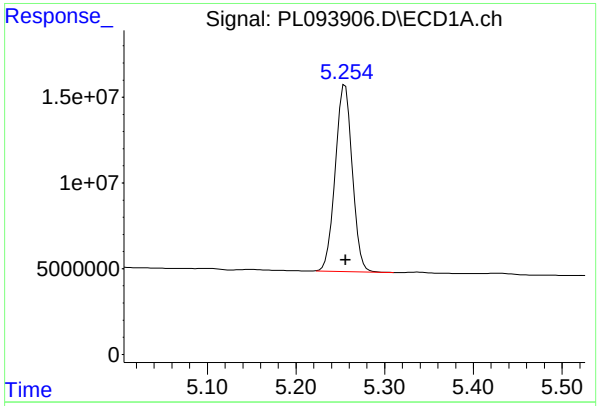
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 148113228
Conc: 45.19 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: -0.001 min
Response: 213294264
Conc: 45.82 ng/ml



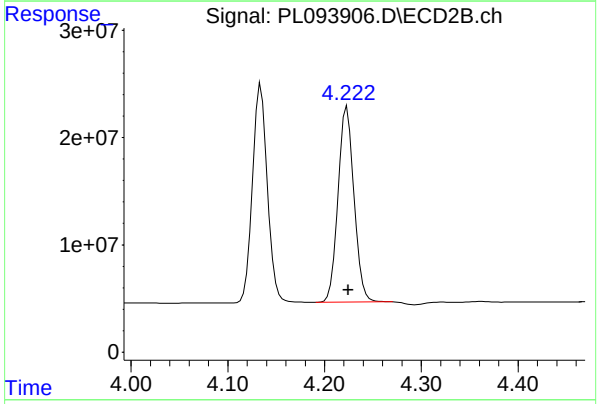
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 144471697
Conc: 44.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

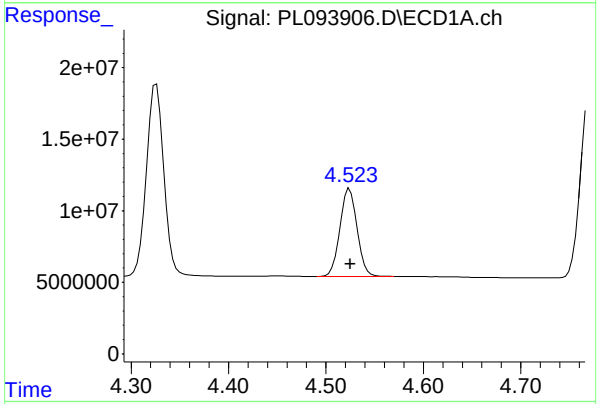
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



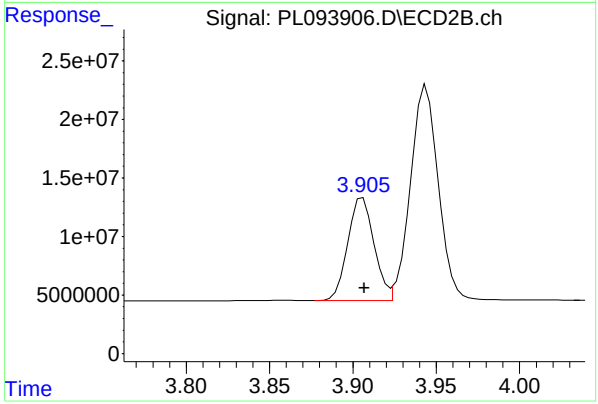
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.001 min
Response: 208888804
Conc: 45.79 ng/ml



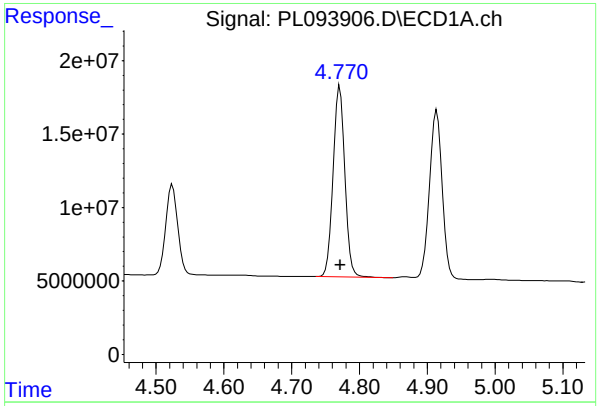
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 74823831
Conc: 46.55 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: -0.001 min
Response: 96172612
Conc: 48.15 ng/ml



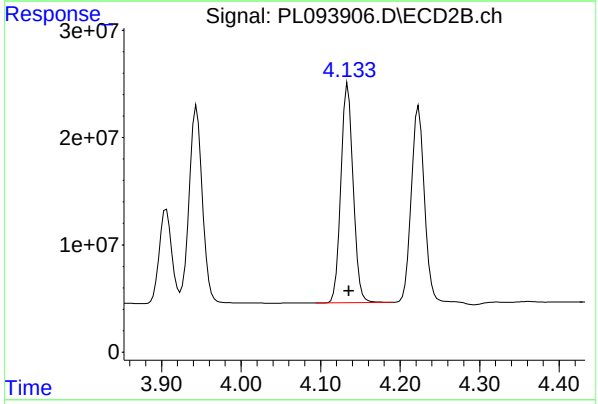
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 158024463
Conc: 45.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

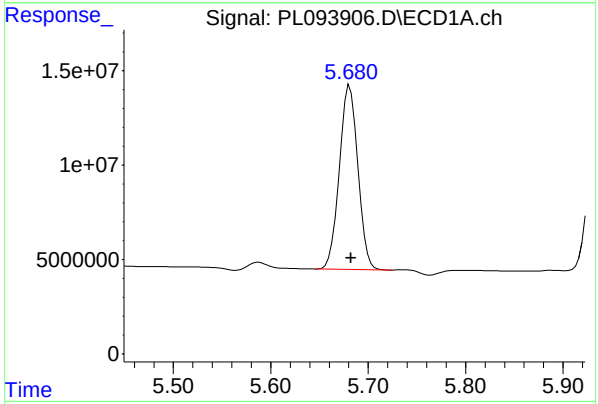
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



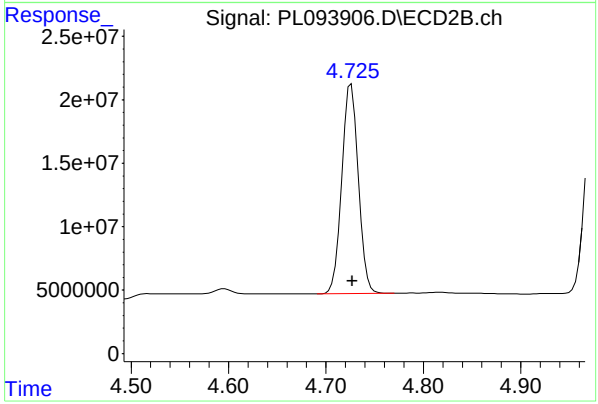
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: -0.001 min
Response: 218789570
Conc: 46.05 ng/ml



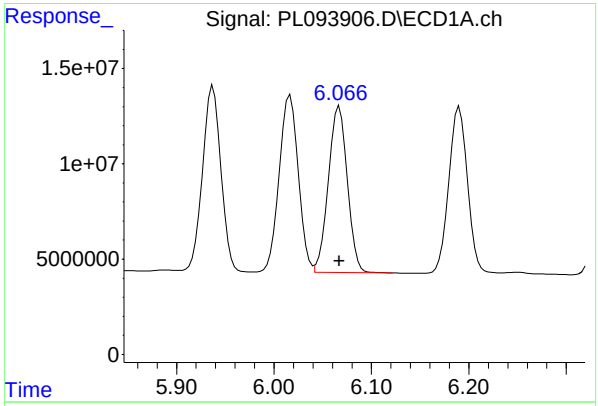
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 128589227
Conc: 43.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: -0.001 min
Response: 194425449
Conc: 46.51 ng/ml



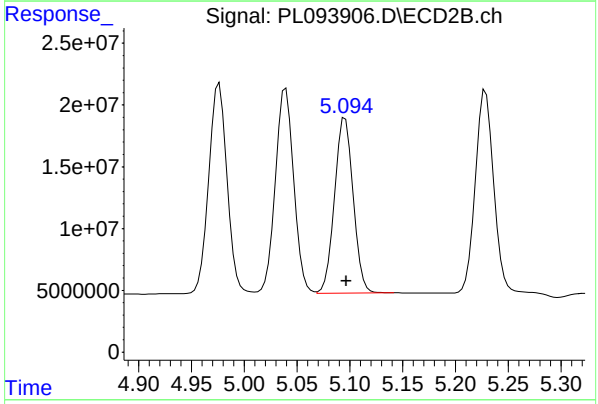
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 118049708
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

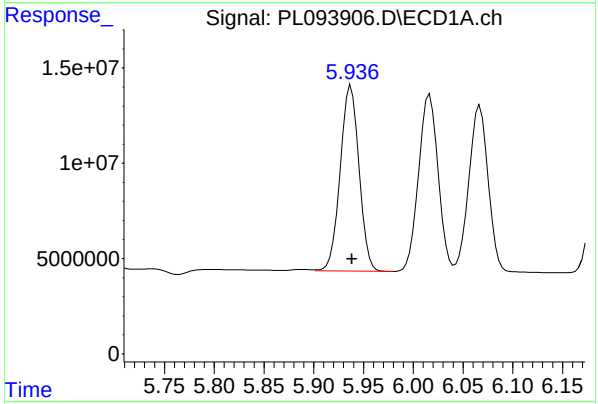
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



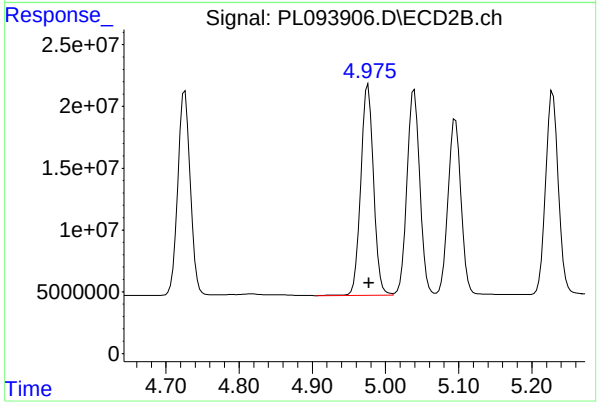
#9 Endosulfan I

R.T.: 5.095 min
Delta R.T.: 0.000 min
Response: 174384267
Conc: 44.98 ng/ml



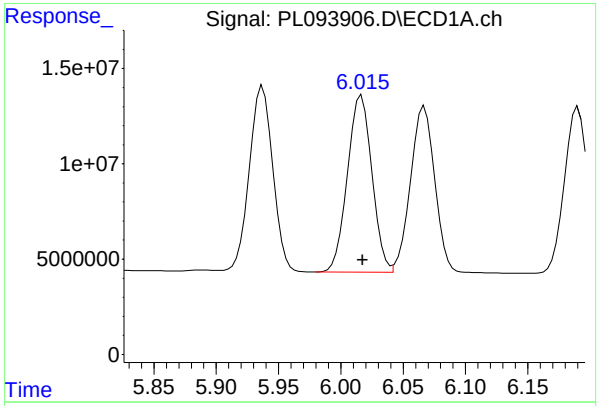
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 128457769
Conc: 46.09 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 206465886
Conc: 48.72 ng/ml



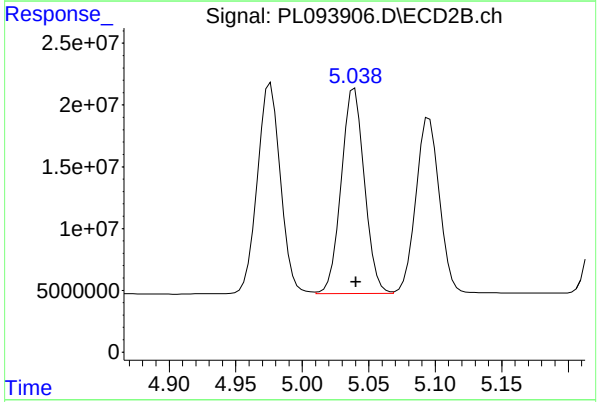
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 127130092
Conc: 45.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

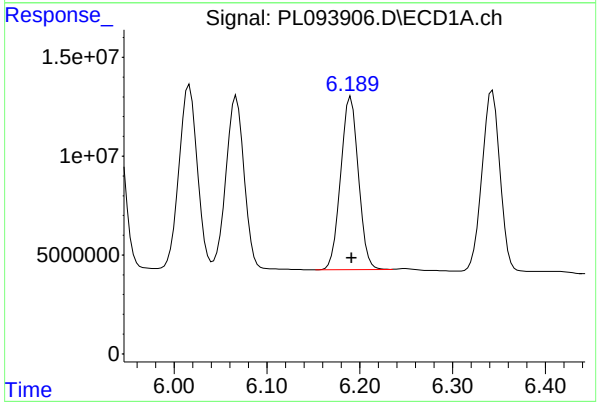
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



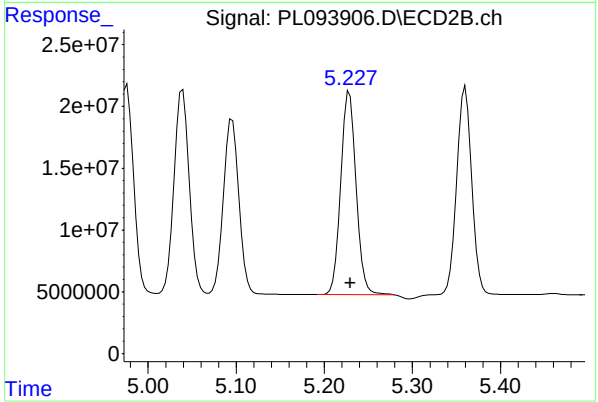
#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.001 min
Response: 201307013
Conc: 48.08 ng/ml



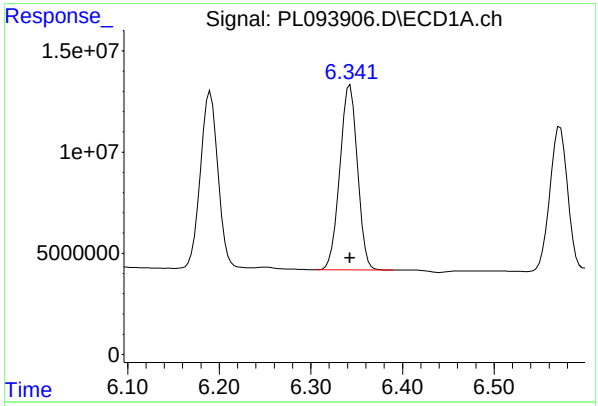
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 116153368
Conc: 47.71 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: -0.001 min
Response: 199322174
Conc: 49.71 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 122998231
Conc: 44.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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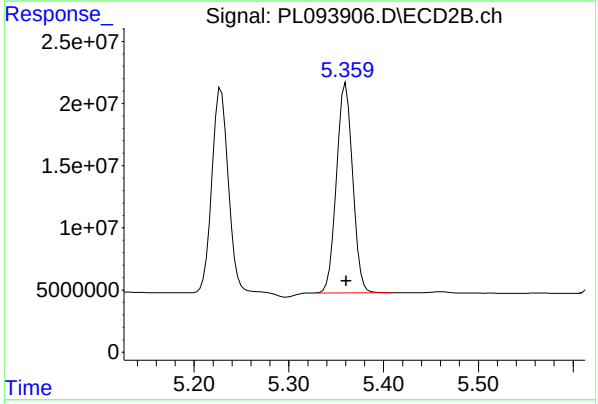
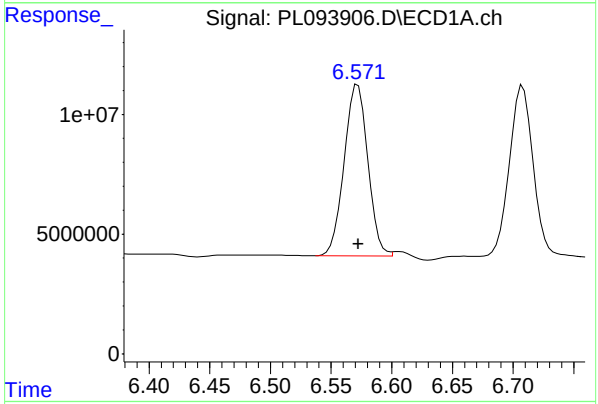


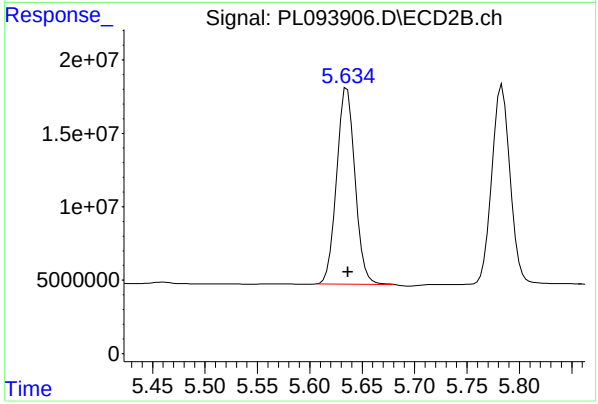
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 199289605
Conc: 46.39 ng/ml



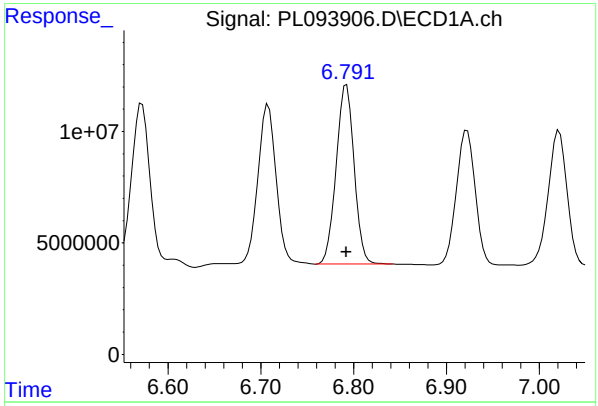
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 97668137
Conc: 41.65 ng/ml m



#14 Endrin

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 162941757
Conc: 44.13 ng/ml



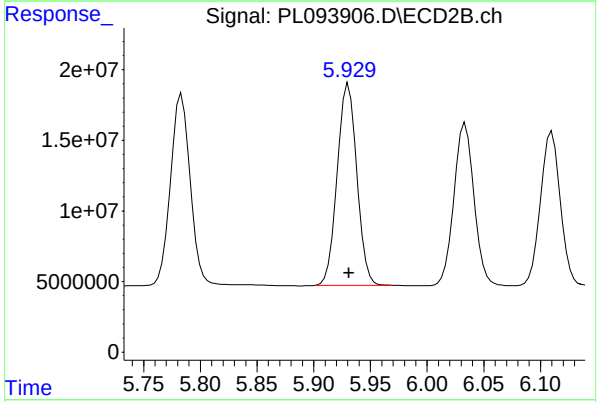
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 108179880
Conc: 44.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

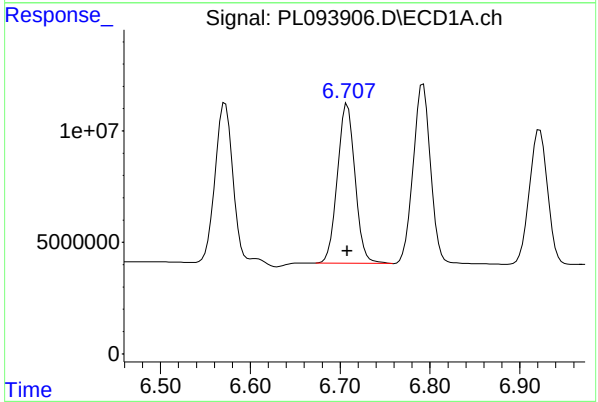
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



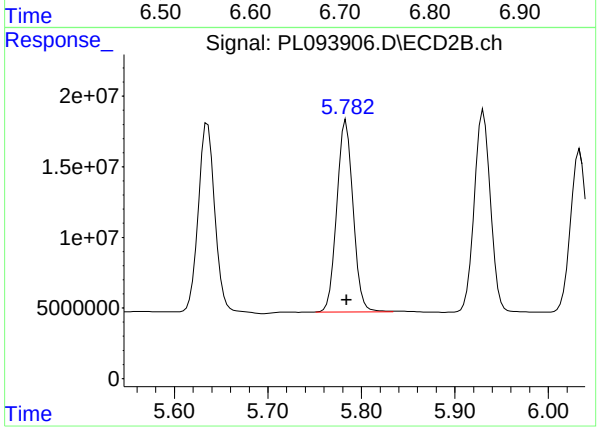
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 171677299
Conc: 46.35 ng/ml



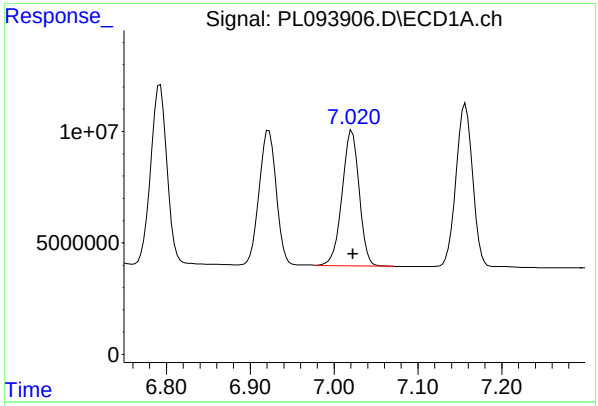
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 97469117
Conc: 51.28 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 164085835
Conc: 51.98 ng/ml



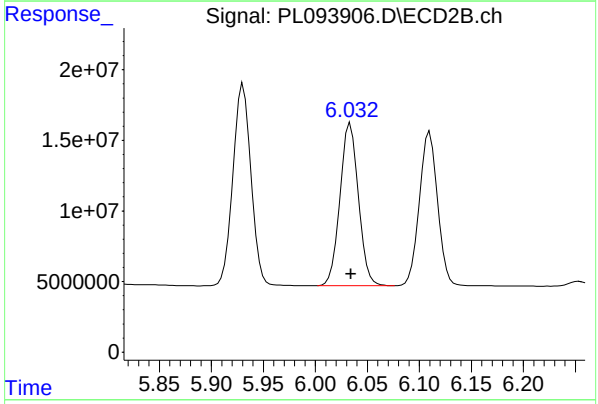
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 86222240
Conc: 43.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

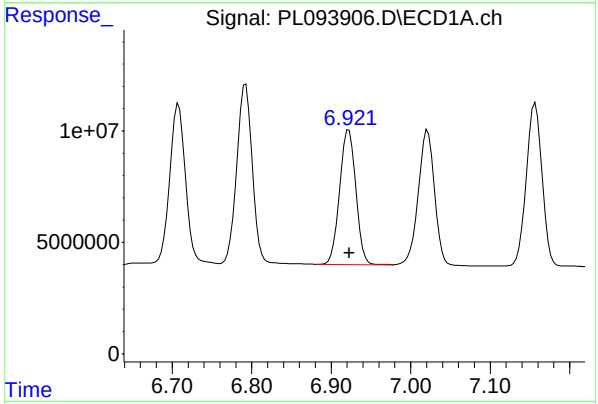
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



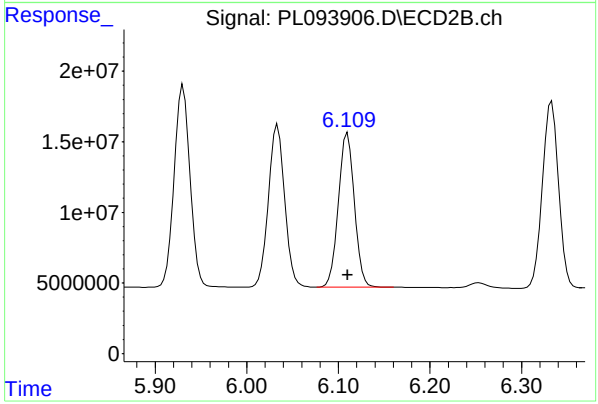
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 142061745
Conc: 43.66 ng/ml



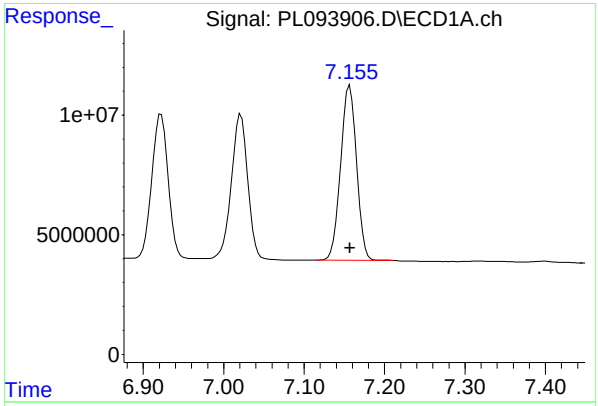
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 85722518
Conc: 44.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 132863703
Conc: 43.64 ng/ml



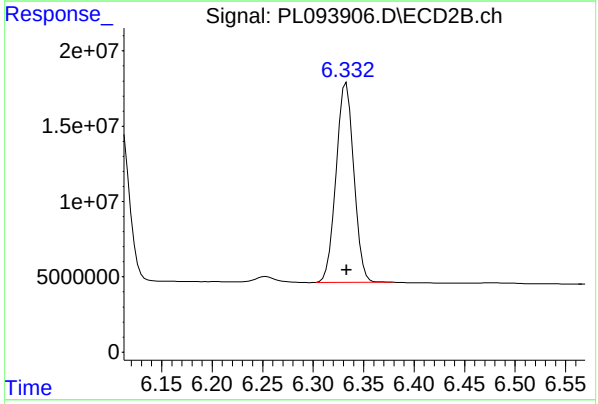
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 100581582
Conc: 44.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

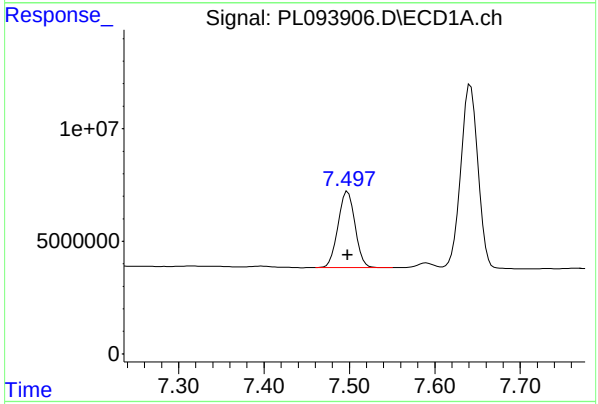
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



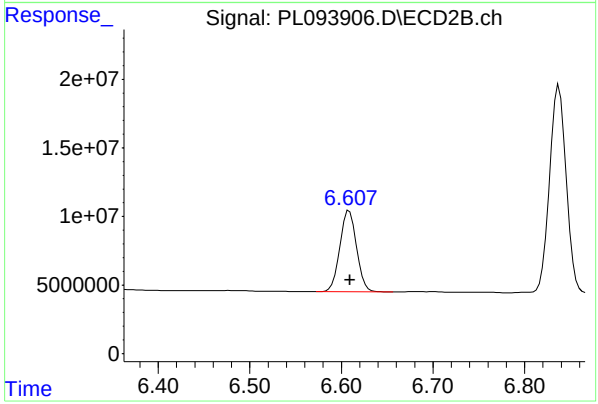
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 162518129
Conc: 45.57 ng/ml



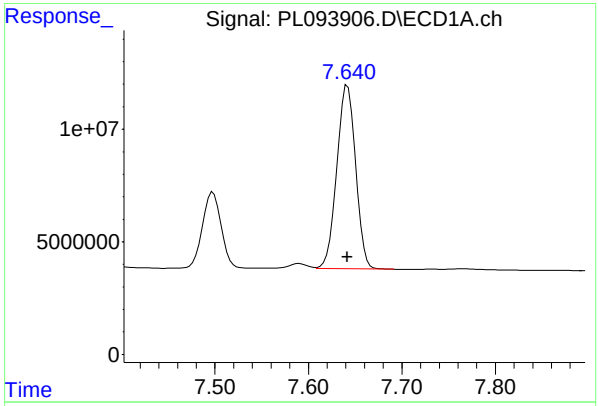
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 46657244
Conc: 44.72 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 75330218
Conc: 42.13 ng/ml



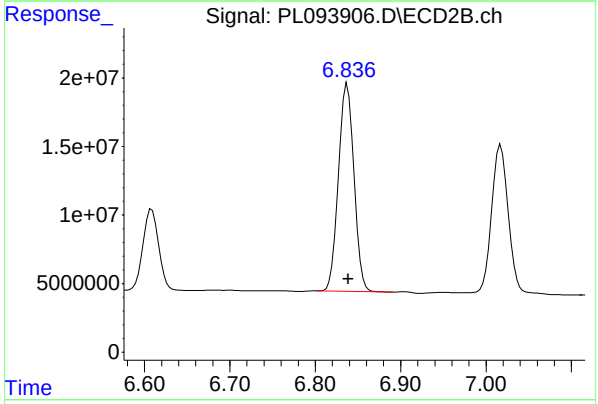
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 114288339
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

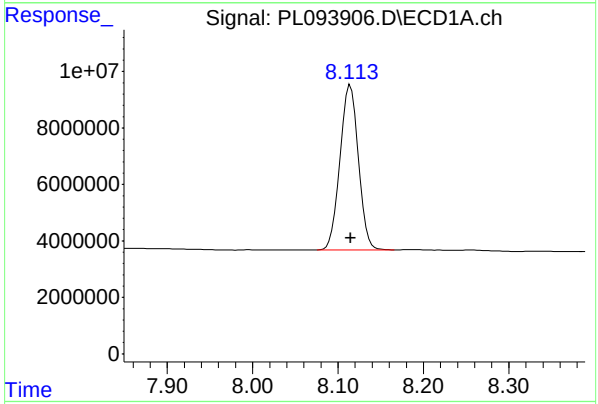
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



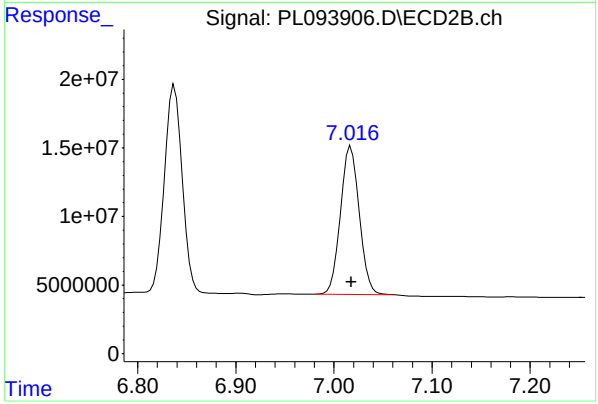
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 190627250
Conc: 45.44 ng/ml



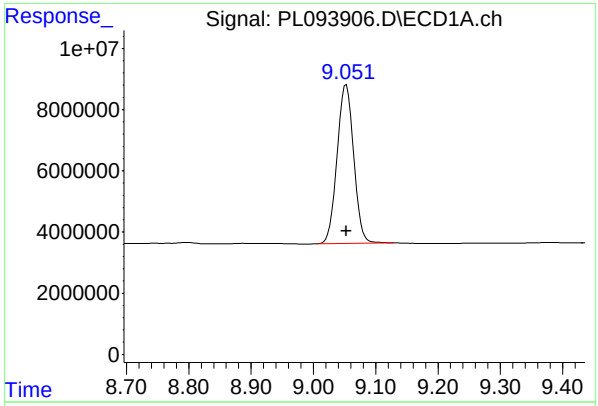
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 87455487
Conc: 42.00 ng/ml



#22 Mirex

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 144147887
Conc: 42.62 ng/ml



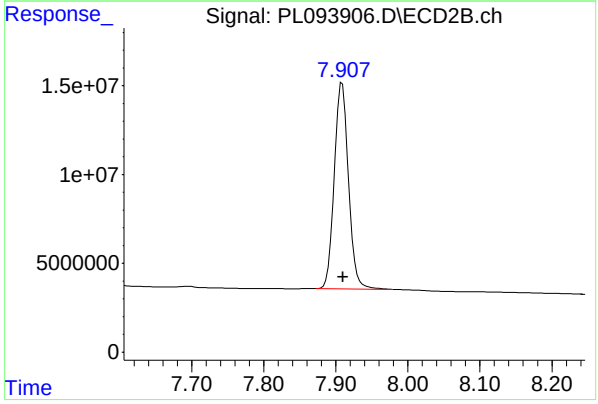
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 96155717
Conc: 45.97 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: -0.001 min
Response: 158111985
Conc: 45.12 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 12:17 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 12:17 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	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
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL06 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093982.D **Time Analyzed:** 12:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.953	9.153	48.630	50.000	-2.7
Endrin	6.577	6.472	6.672	51.580	50.000	3.2
gamma-BHC (Lindane)	4.333	4.227	4.427	55.370	50.000	10.7
Heptachlor	4.921	4.814	5.014	55.190	50.000	10.4
Heptachlor epoxide	5.688	5.582	5.782	48.040	50.000	-3.9
Methoxychlor	7.503	7.398	7.598	57.600	50.000	15.2
Tetrachloro-m-xylene	3.544	3.439	3.639	54.550	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL06 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL093982.D **Time Analyzed:** 12:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.913	7.810	8.010	46.730	50.000	-6.5
Endrin	5.638	5.536	5.736	52.920	50.000	5.8
gamma-BHC (Lindane)	3.608	3.507	3.707	52.550	50.000	5.1
Heptachlor	3.946	3.845	4.045	53.790	50.000	7.6
Heptachlor epoxide	4.728	4.627	4.827	53.570	50.000	7.1
Methoxychlor	6.612	6.509	6.709	55.210	50.000	10.4
Tetrachloro-m-xylene	2.774	2.674	2.874	54.490	50.000	9.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 12:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.774	146.9E6	177.9E6	54.552	54.494
28)	SA Decachlor...	9.061	7.913	101.7E6	163.7E6	48.627	46.730
	Target Compounds						
2)	A alpha-BHC	4.000	3.277	212.8E6	269.2E6	55.514	55.069
3)	MA gamma-BHC...	4.333	3.608	203.9E6	249.1E6	55.372	52.548
4)	MA Heptachlor	4.921	3.946	180.9E6	250.4E6	55.190	53.789
5)	MB Aldrin	5.262	4.225	178.5E6	249.5E6	54.548	54.702
6)	B beta-BHC	4.531	3.908	85387330	107.6E6	53.124	53.882
7)	B delta-BHC	4.778	4.136	181.6E6	264.8E6	51.806	55.727
8)	B Heptachlo...	5.688	4.728	142.9E6	223.9E6	48.036	53.569
9)	A Endosulfan I	6.074	5.098	138.9E6	194.8E6	52.558	50.246
10)	B gamma-Chl...	5.945	4.978	146.4E6	233.5E6	52.528	55.111
11)	B alpha-Chl...	6.023	5.042	148.4E6	229.4E6	53.227	54.800
12)	B 4,4'-DDE	6.197	5.231	138.8E6	232.8E6	57.020	58.072
13)	MA Dieldrin	6.349	5.362	144.2E6	235.6E6	51.941	54.842
14)	MA Endrin	6.577	5.638	120.9E6	195.4E6	51.582m	52.921
15)	B Endosulfa...	6.799	5.933	122.0E6	197.1E6	50.638	53.206
16)	A 4,4'-DDD	6.714	5.786	102.5E6	182.7E6	53.914m	57.883
17)	MA 4,4'-DDT	7.028	6.036	108.1E6	187.3E6	54.799	57.555
18)	B Endrin al...	6.929	6.112	98723975	159.5E6	50.782	52.378
19)	B Endosulfa...	7.163	6.335	112.8E6	189.1E6	49.820	53.016
20)	A Methoxychlor	7.503	6.612	60104606	98726527	57.605m	55.212
21)	B Endrin ke...	7.649	6.839	124.1E6	226.2E6	49.191	53.929m
22)	Mirex	8.122	7.020	96933646	158.9E6	46.547	46.980

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

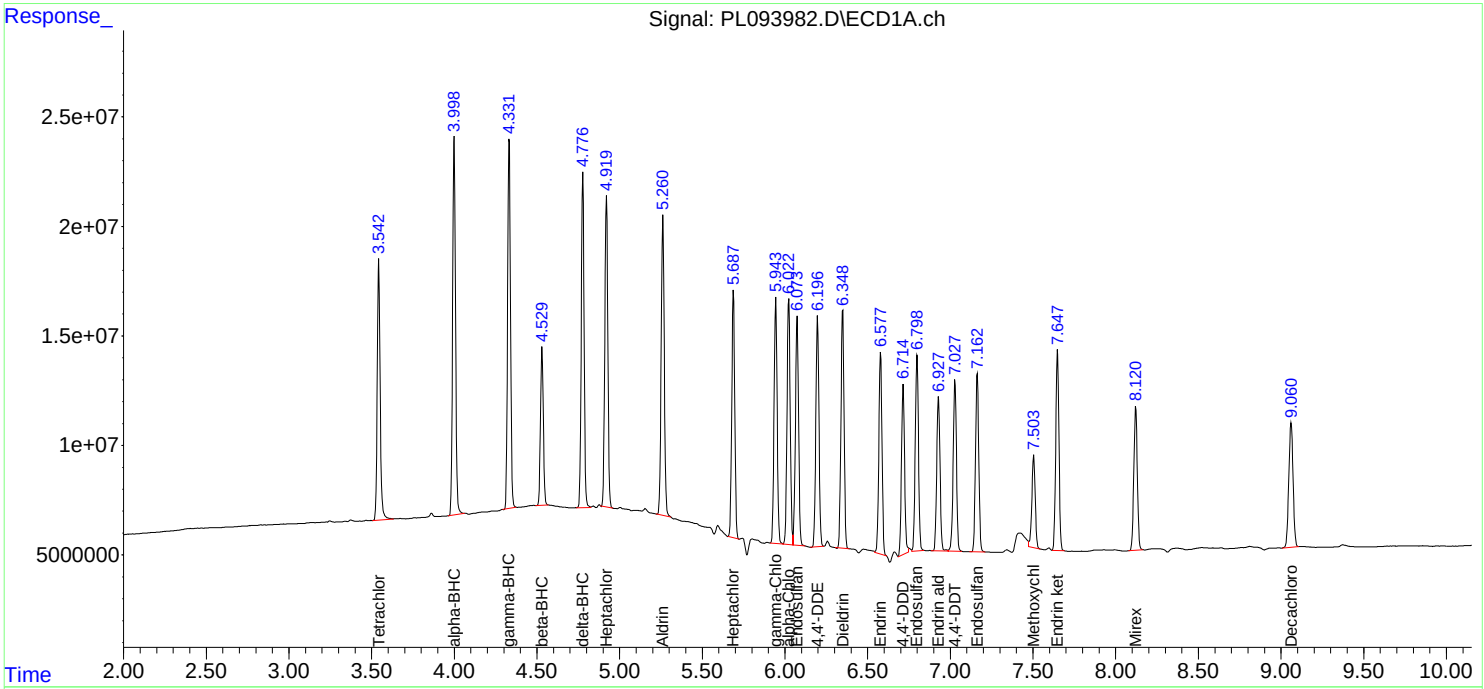
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 12:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

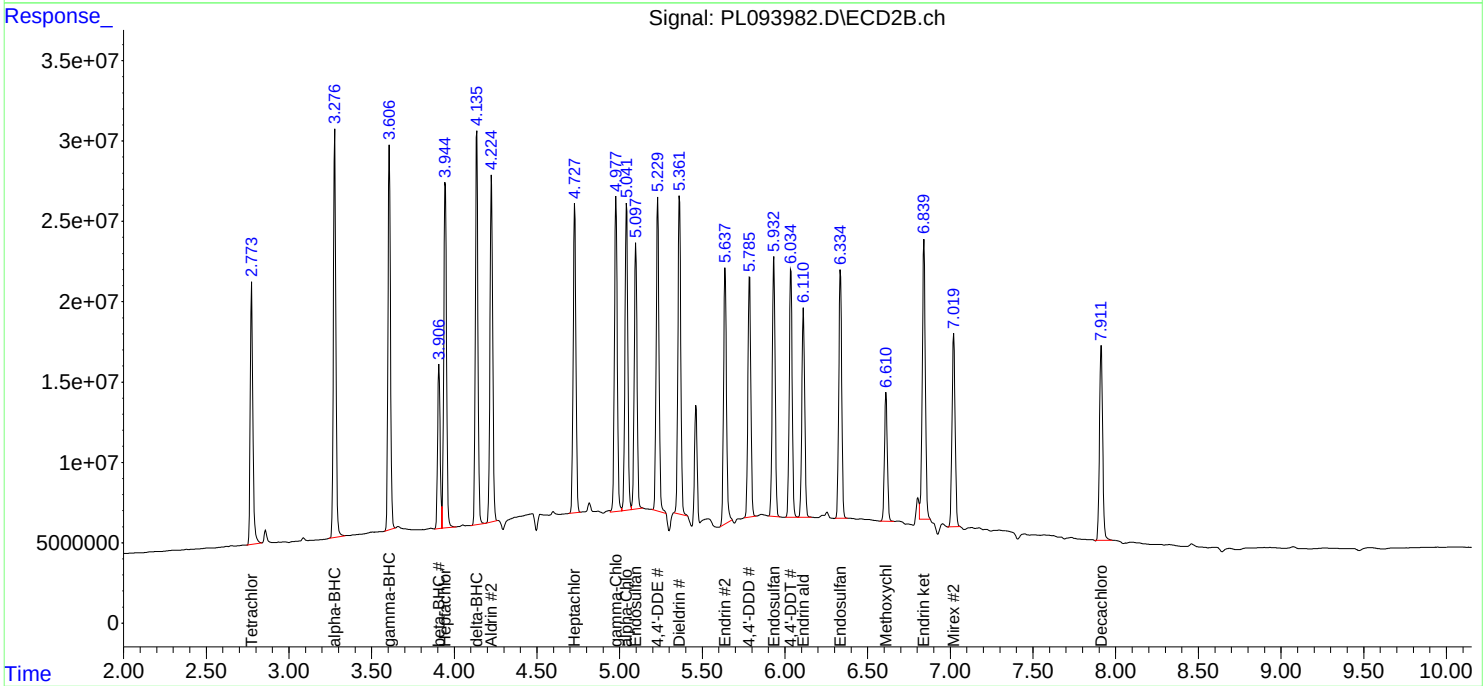
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

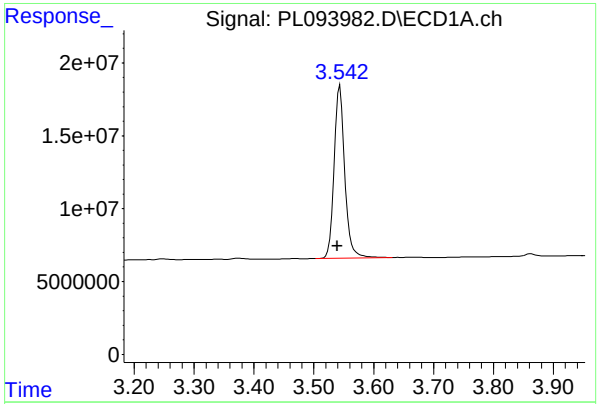
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:39:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.005 min
Response: 146894219
Conc: 54.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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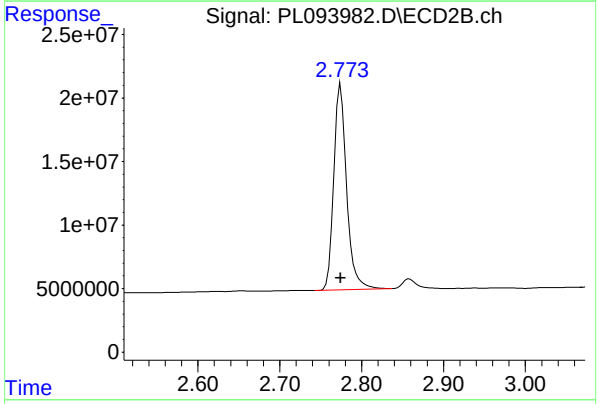
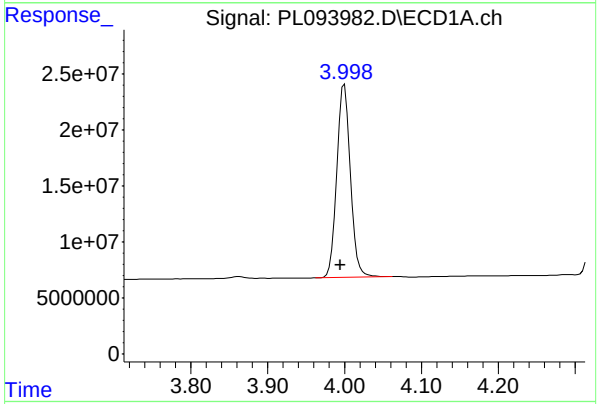


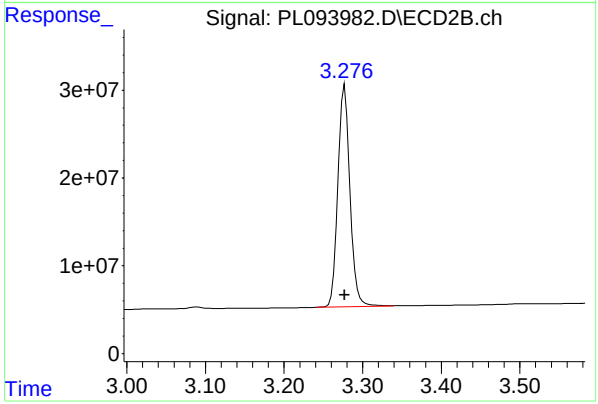
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 177875768
Conc: 54.49 ng/ml



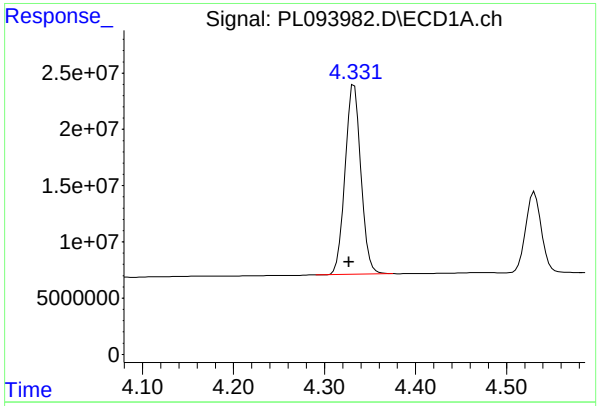
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.005 min
Response: 212831729
Conc: 55.51 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269231331
Conc: 55.07 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.006 min
Response: 203927314
Conc: 55.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
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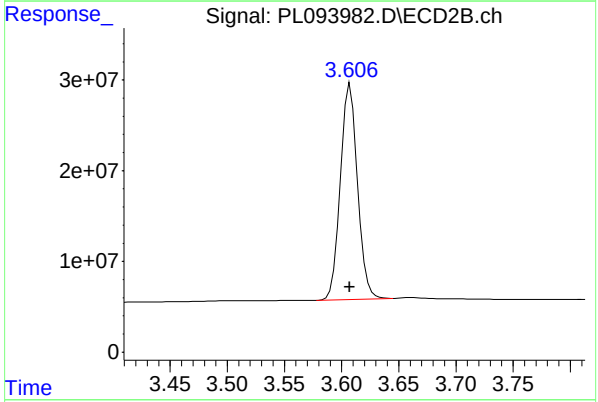
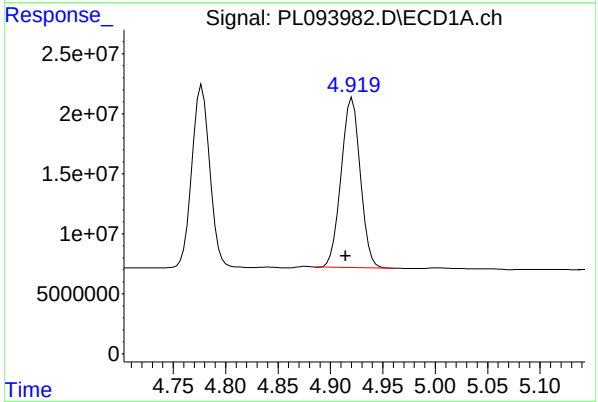


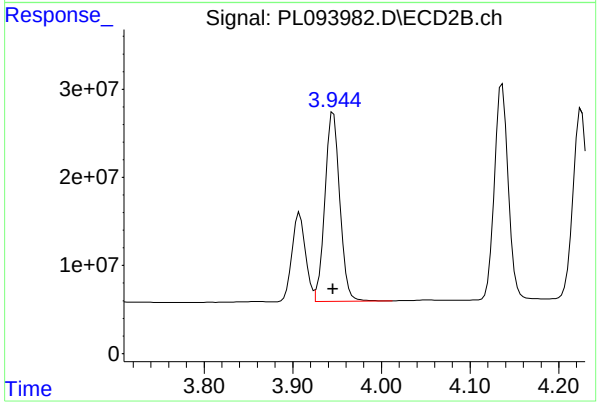
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.000 min
Response: 249142751
Conc: 52.55 ng/ml



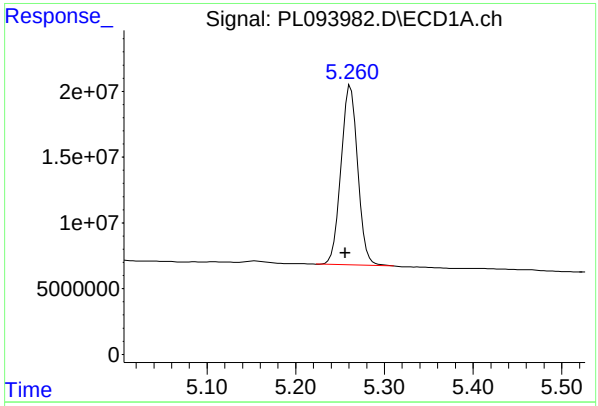
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.006 min
Response: 180875120
Conc: 55.19 ng/ml



#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 250377230
Conc: 53.79 ng/ml



#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 178478049
Conc: 54.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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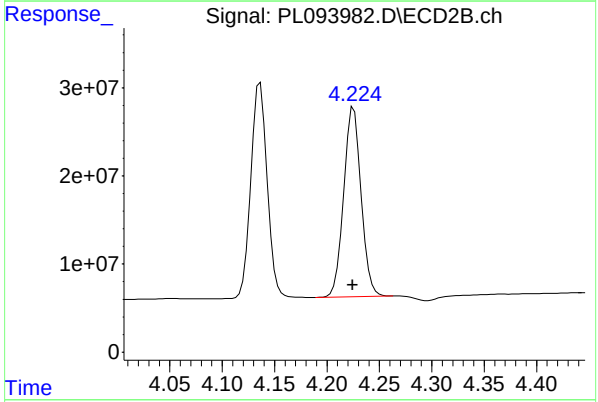
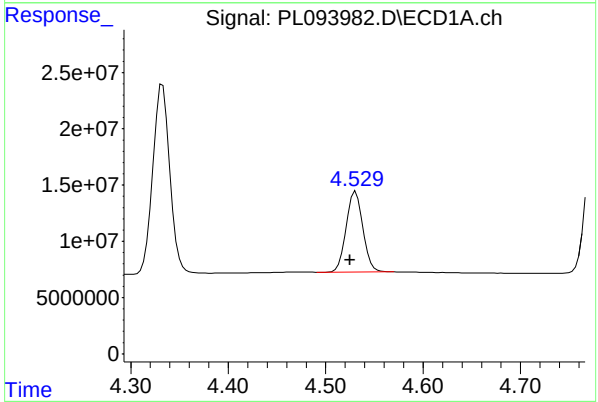


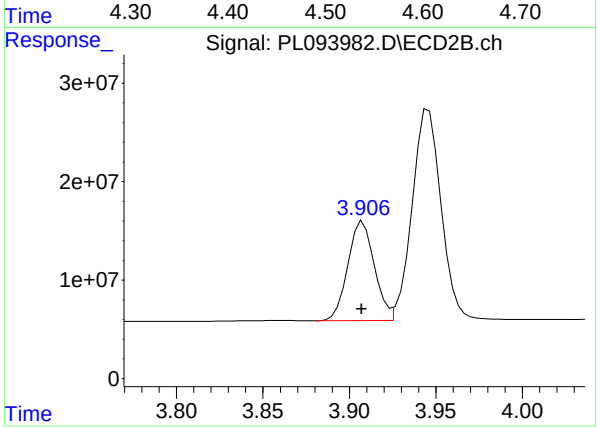
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 249540751
Conc: 54.70 ng/ml



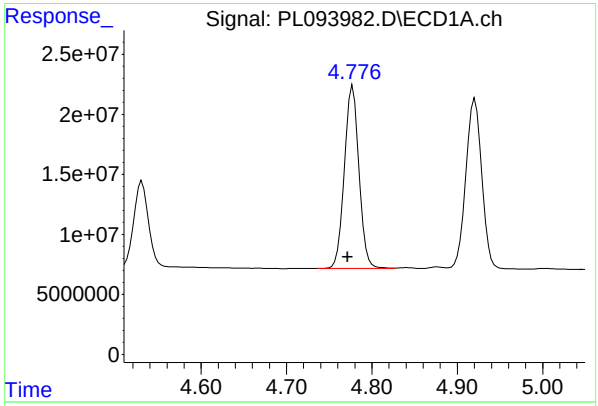
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 85387330
Conc: 53.12 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 107625365
Conc: 53.88 ng/ml



#7 delta-BHC

R.T.: 4.778 min
Delta R.T.: 0.006 min
Response: 181595678
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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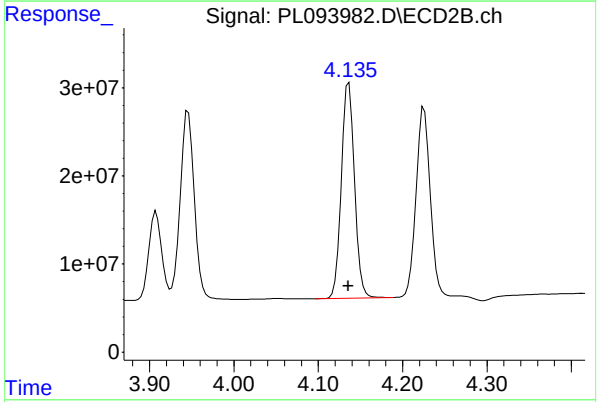
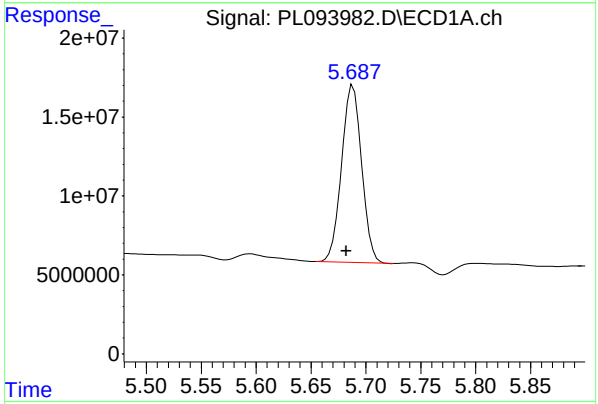


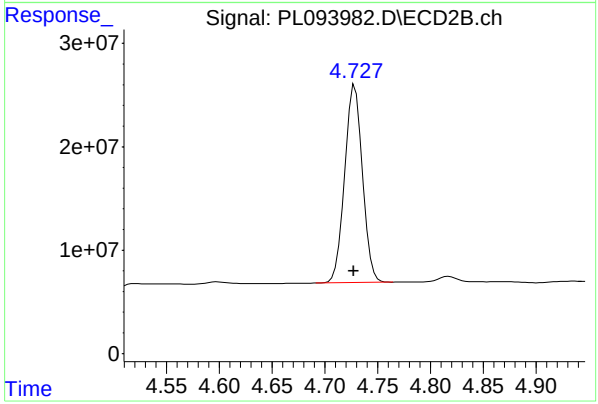
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 264770967
Conc: 55.73 ng/ml



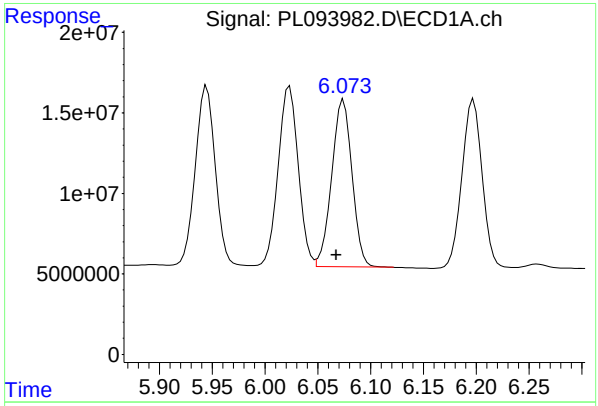
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.006 min
Response: 142851941
Conc: 48.04 ng/ml



#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: 0.001 min
Response: 223934146
Conc: 53.57 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.007 min
Response: 138902829
Conc: 52.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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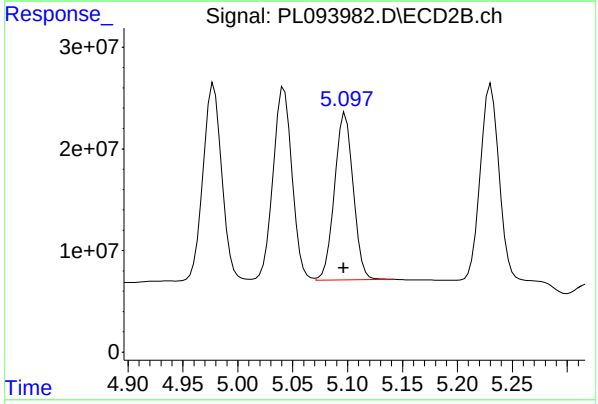
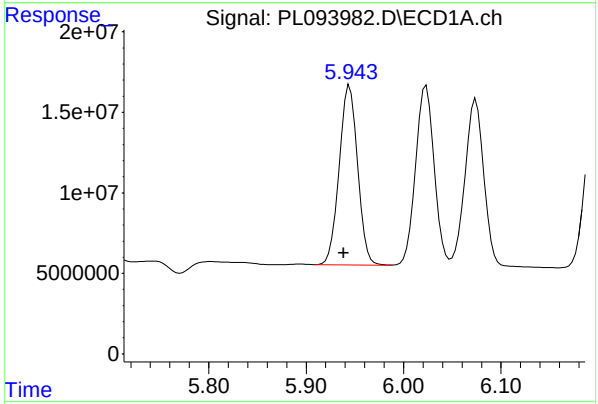


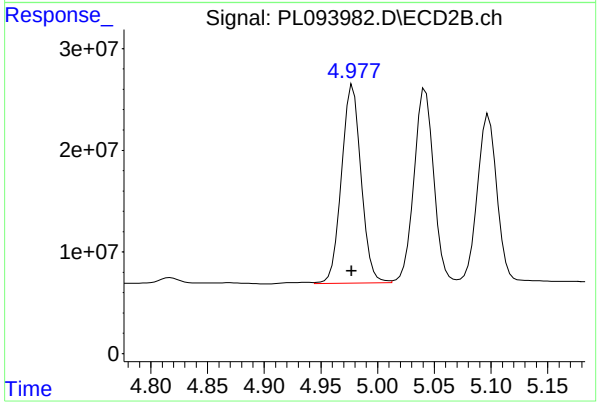
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.001 min
Response: 194797579
Conc: 50.25 ng/ml



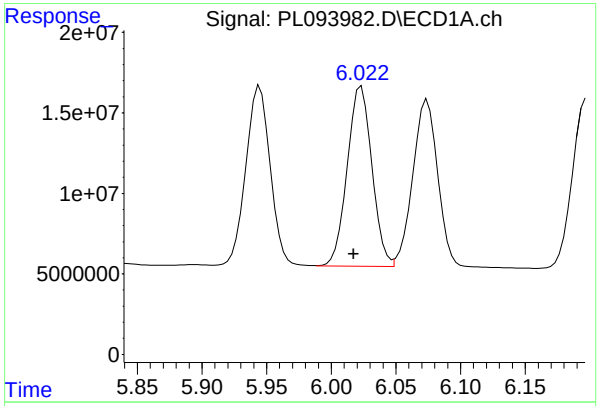
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.006 min
Response: 146416115
Conc: 52.53 ng/ml



#10 gamma-Chlordane

R.T.: 4.978 min
Delta R.T.: 0.000 min
Response: 233538932
Conc: 55.11 ng/ml



#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.006 min
Response: 148419365
Conc: 53.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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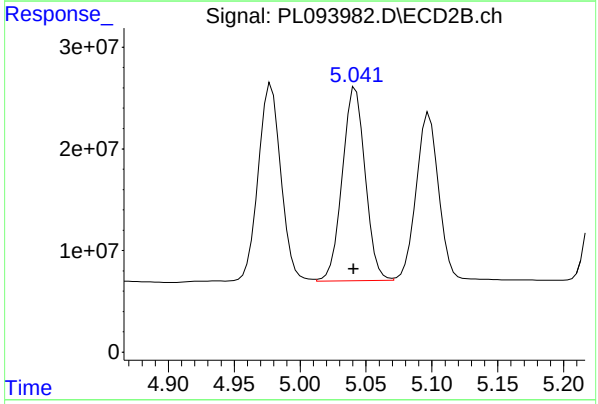
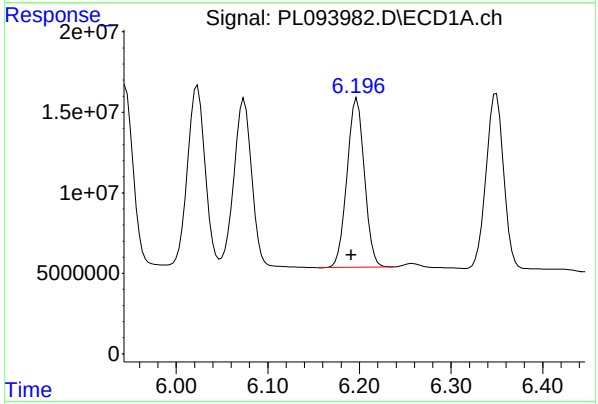


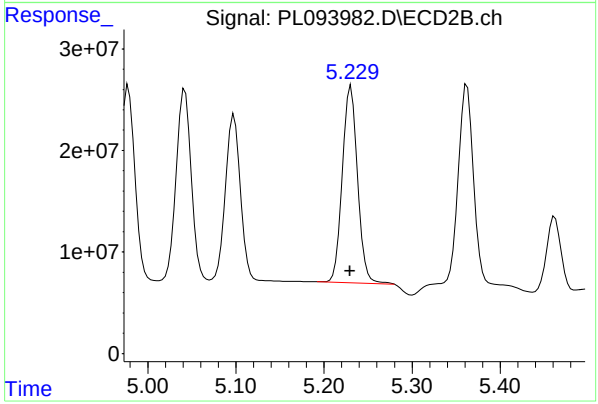
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.002 min
Response: 229424394
Conc: 54.80 ng/ml



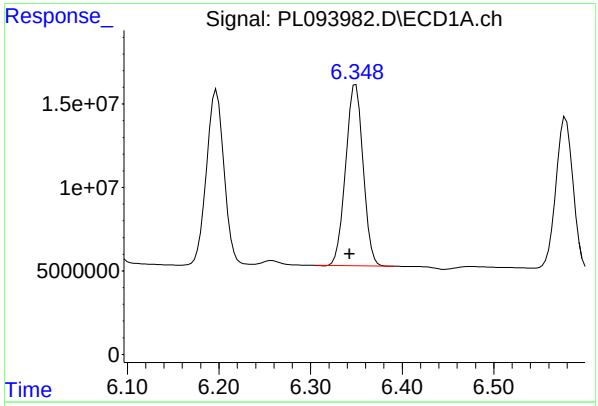
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.006 min
Response: 138820228
Conc: 57.02 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: 0.001 min
Response: 232839635
Conc: 58.07 ng/ml



#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.007 mi
Response: 144181191
Conc: 51.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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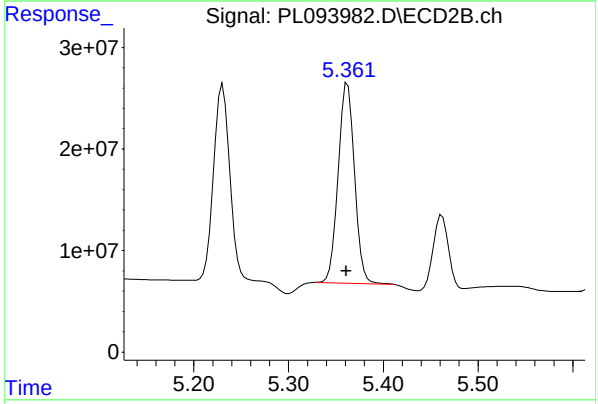
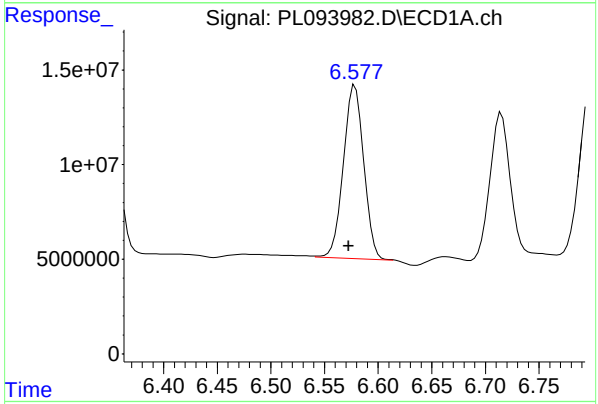


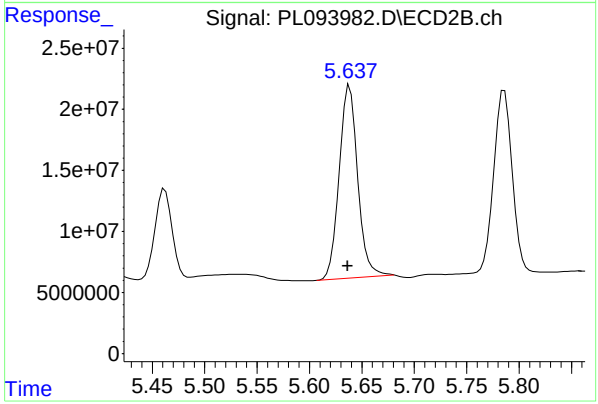
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.001 min
Response: 235581598
Conc: 54.84 ng/ml



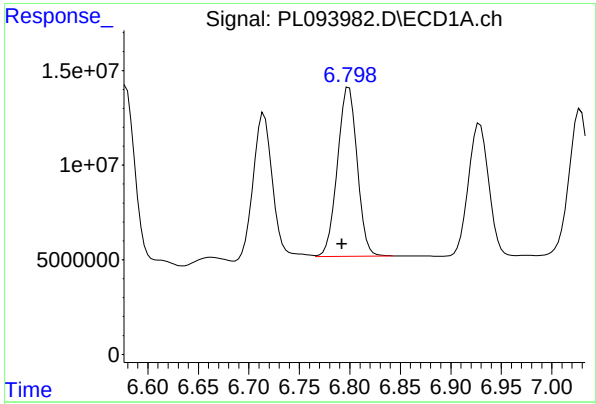
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.005 min
Response: 120949751
Conc: 51.58 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 195418649
Conc: 52.92 ng/ml



#15 Endosulfan II

R.T.: 6.799 min
Delta R.T.: 0.007 mi
Response: 122005951
Conc: 50.64 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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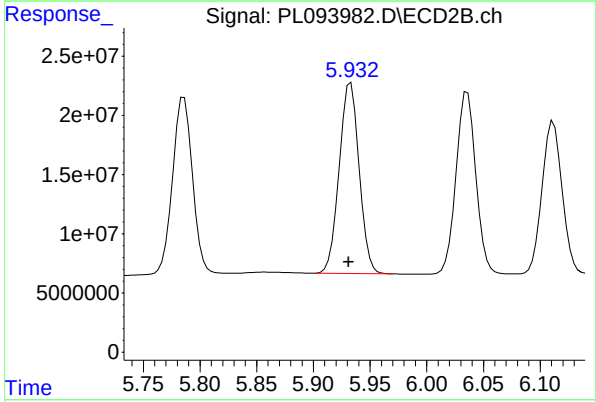
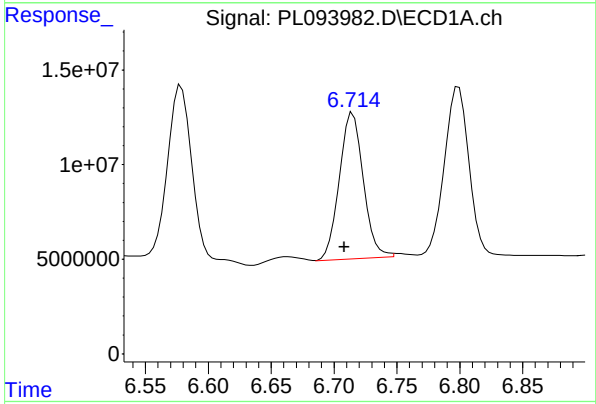


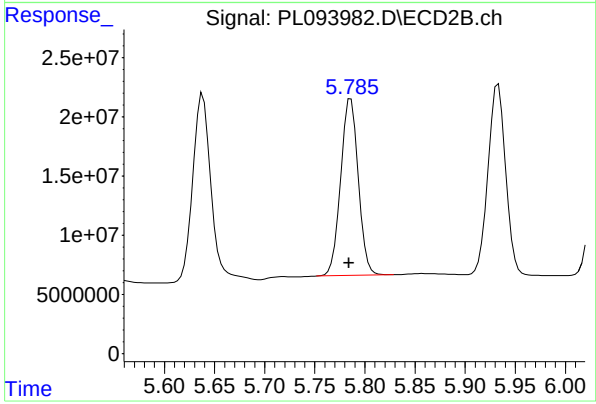
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 197064822
Conc: 53.21 ng/ml



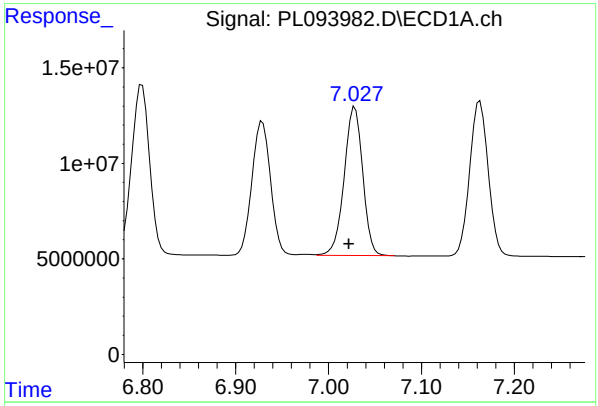
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.005 min
Response: 102466740
Conc: 53.91 ng/ml m



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.002 min
Response: 182709098
Conc: 57.88 ng/ml



#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.006 min
Response: 108067604
Conc: 54.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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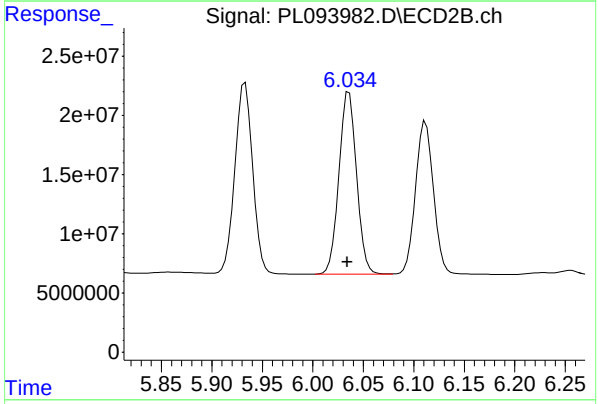
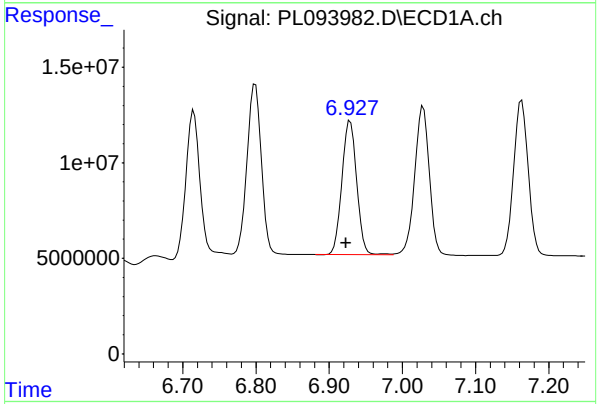


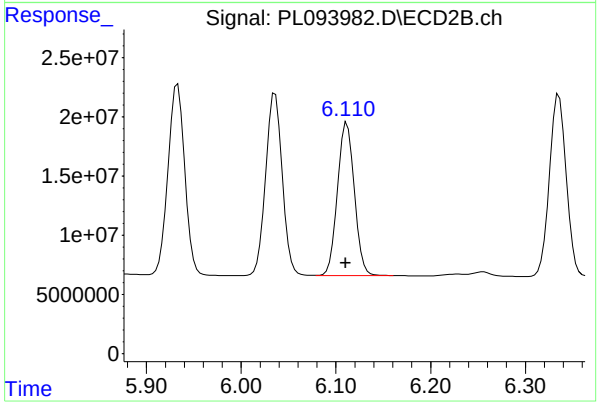
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 187287855
Conc: 57.56 ng/ml



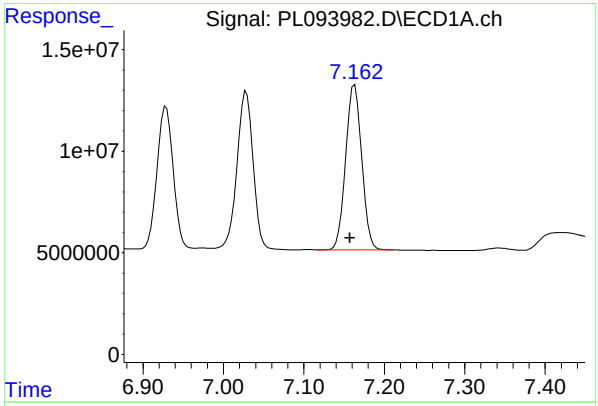
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.006 min
Response: 98723975
Conc: 50.78 ng/ml



#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.001 min
Response: 159472251
Conc: 52.38 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.006 mi
Response: 112779357
Conc: 49.82 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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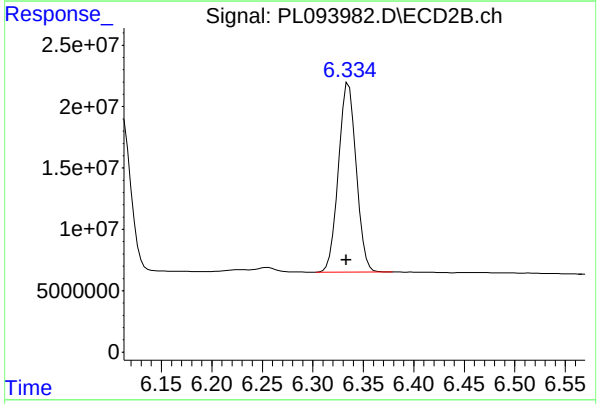
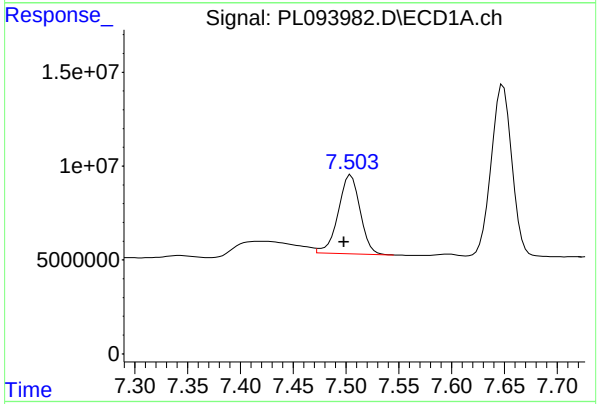


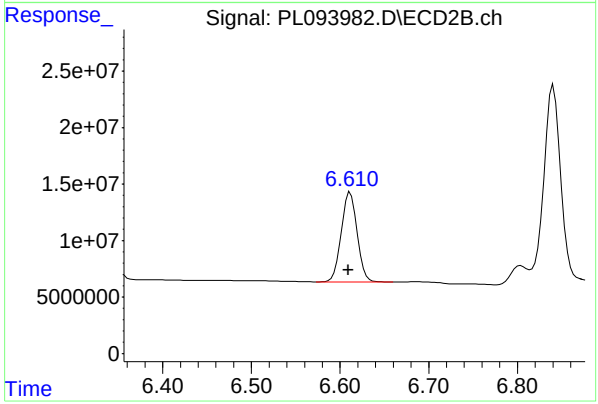
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 189059062
Conc: 53.02 ng/ml



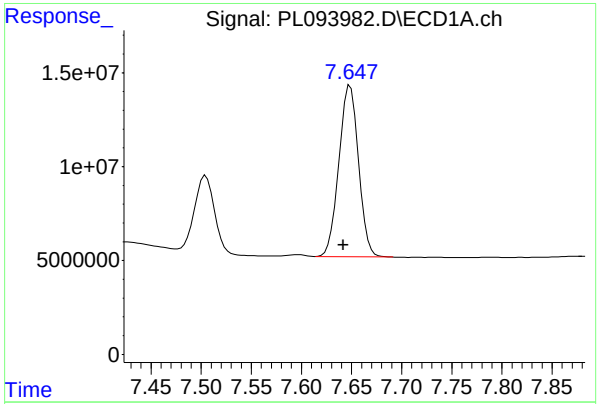
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 60104606
Conc: 57.60 ng/ml m



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 98726527
Conc: 55.21 ng/ml



#21 Endrin ketone

R.T.: 7.649 min
Delta R.T.: 0.007 mi
Response: 124090565
Conc: 49.19 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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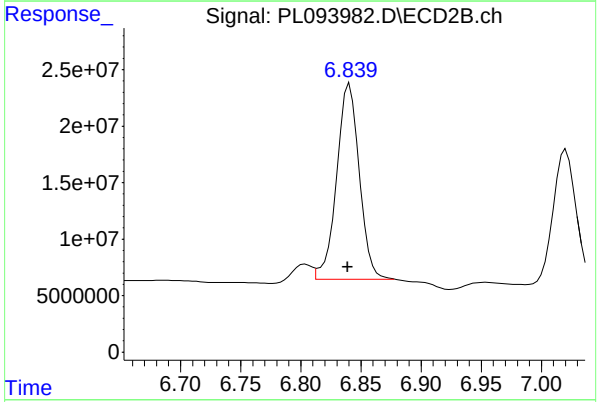
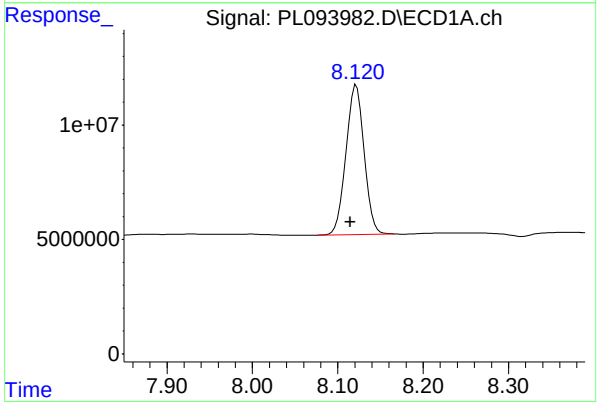


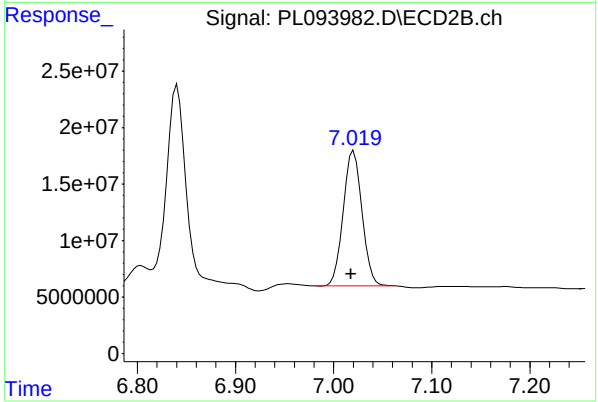
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 226245775
Conc: 53.93 ng/ml m



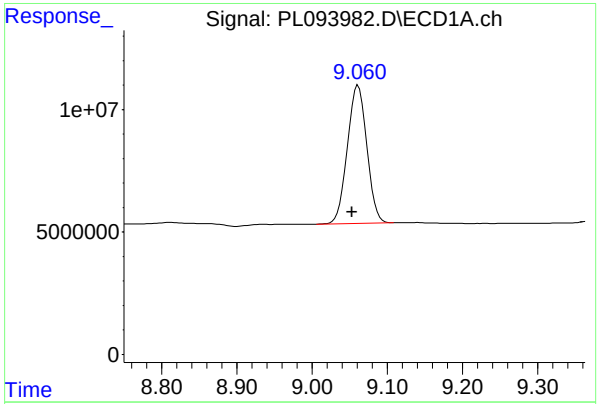
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.007 min
Response: 96933646
Conc: 46.55 ng/ml



#22 Mirex

R.T.: 7.020 min
Delta R.T.: 0.003 min
Response: 158882308
Conc: 46.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.008 mi
Response: 101723889
Conc: 48.63 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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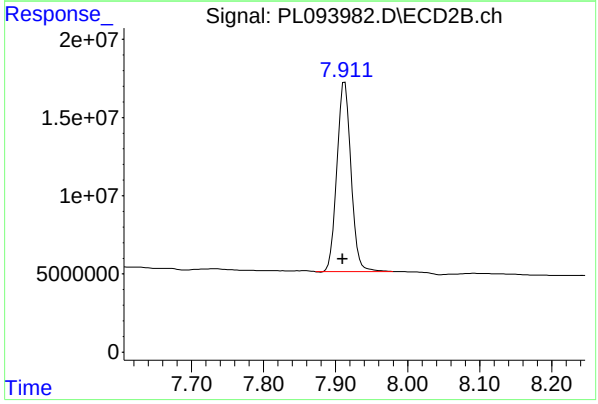


#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.003 min
Response: 163745917
Conc: 46.73 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 17:50 **Initial Calibration Time(s):** 10:57 11:51

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
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 17:50 **Initial Calibration Time(s):** 10:57 11:51

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	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL07 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094001.D **Time Analyzed:** 17:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.953	9.153	50.120	50.000	0.2
Endrin	6.575	6.472	6.672	53.310	50.000	6.6
gamma-BHC (Lindane)	4.328	4.227	4.427	53.780	50.000	7.6
Heptachlor	4.916	4.814	5.014	54.610	50.000	9.2
Heptachlor epoxide	5.684	5.582	5.782	51.770	50.000	3.5
Methoxychlor	7.501	7.398	7.598	56.300	50.000	12.6
Tetrachloro-m-xylene	3.540	3.439	3.639	52.880	50.000	5.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No.: CCAL07 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094001.D **Time Analyzed:** 17:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	52.420	50.000	4.8
Endrin	5.636	5.536	5.736	55.090	50.000	10.2
gamma-BHC (Lindane)	3.606	3.507	3.707	53.550	50.000	7.1
Heptachlor	3.944	3.845	4.045	53.700	50.000	7.4
Heptachlor epoxide	4.727	4.627	4.827	54.320	50.000	8.6
Methoxychlor	6.609	6.509	6.709	58.410	50.000	16.8
Tetrachloro-m-xylene	2.773	2.674	2.874	53.550	50.000	7.1

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:46:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.773	142.4E6	174.8E6	52.879	53.550
28)	SA Decachlor...	9.055	7.909	104.8E6	183.7E6	50.120	52.418
	Target Compounds						
2)	A alpha-BHC	3.996	3.276	207.1E6	268.7E6	54.016	54.958
3)	MA gamma-BHC...	4.328	3.606	198.0E6	253.9E6	53.776	53.552
4)	MA Heptachlor	4.916	3.944	179.0E6	249.9E6	54.612	53.695
5)	MB Aldrin	5.257	4.224	179.3E6	249.9E6	54.808	54.773
6)	B beta-BHC	4.527	3.906	86408989	108.2E6	53.760	54.150
7)	B delta-BHC	4.773	4.135	190.7E6	264.5E6	54.413	55.667
8)	B Heptachlo...	5.684	4.727	154.0E6	227.1E6	51.769	54.323
9)	A Endosulfan I	6.070	5.097	140.6E6	212.9E6	53.207	54.911
10)	B gamma-Chl...	5.941	4.977	147.7E6	233.5E6	52.973	55.102
11)	B alpha-Chl...	6.019	5.040	149.0E6	229.7E6	53.437	54.856
12)	B 4,4'-DDE	6.193	5.229	140.7E6	231.7E6	57.801	57.800
13)	MA Dieldrin	6.345	5.360	147.9E6	237.4E6	53.272	55.273
14)	MA Endrin	6.575	5.636	125.0E6	203.4E6	53.314	55.092
15)	B Endosulfa...	6.795	5.931	124.6E6	205.0E6	51.707	55.344
16)	A 4,4'-DDD	6.710	5.784	108.3E6	189.4E6	56.962	59.996
17)	MA 4,4'-DDT	7.024	6.034	108.7E6	191.1E6	55.110	58.739
18)	B Endrin al...	6.925	6.110	99968539	166.1E6	51.423	54.569
19)	B Endosulfa...	7.159	6.333	116.3E6	198.3E6	51.370	55.597
20)	A Methoxychlor	7.501	6.609	58743550	104.4E6	56.300	58.405
21)	B Endrin ke...	7.644	6.838	127.6E6	231.7E6	50.567	55.233
22)	Mirex	8.117	7.018	100.0E6	178.0E6	48.039	52.631

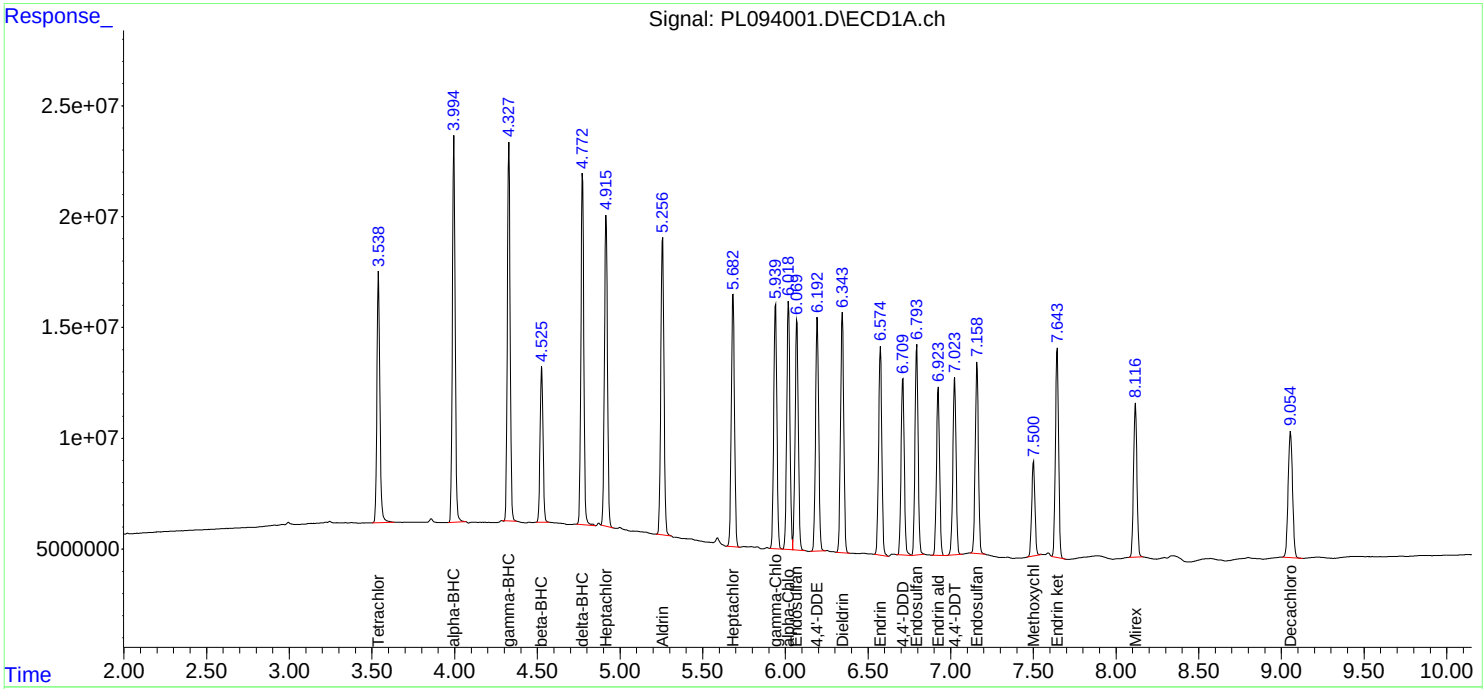
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

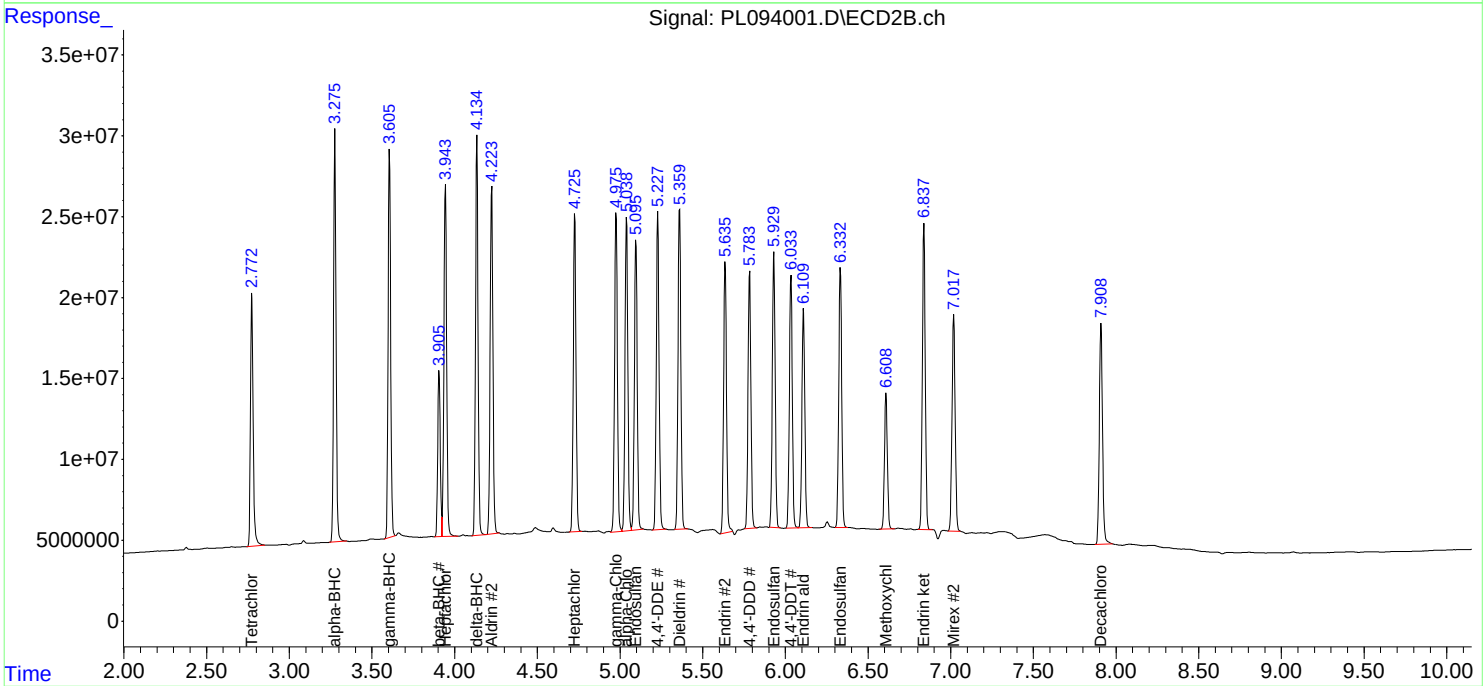
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

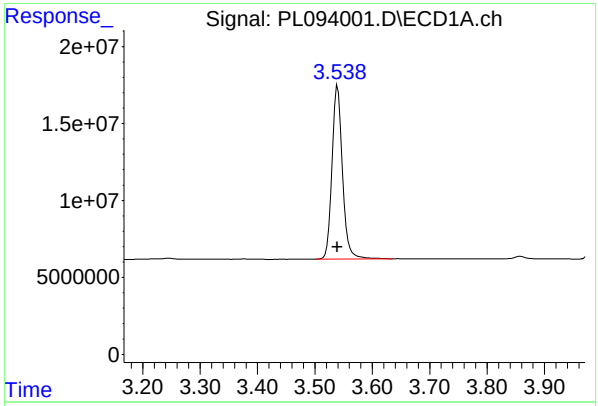
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:46:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



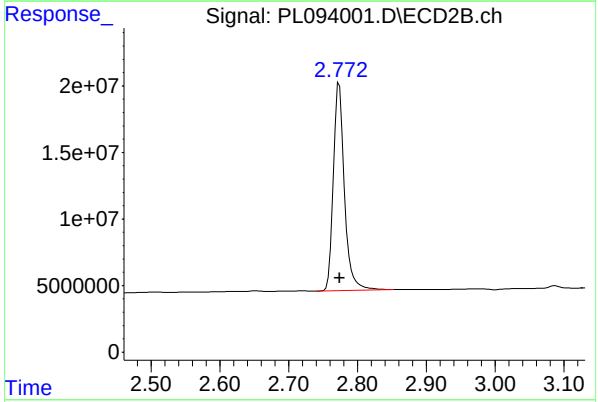




#1 Tetrachloro-m-xylene

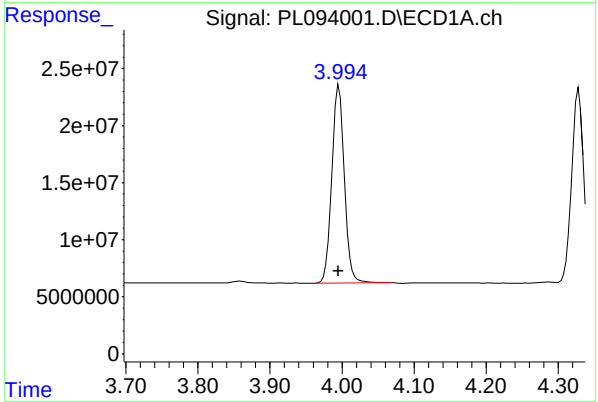
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 142390017
Conc: 52.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



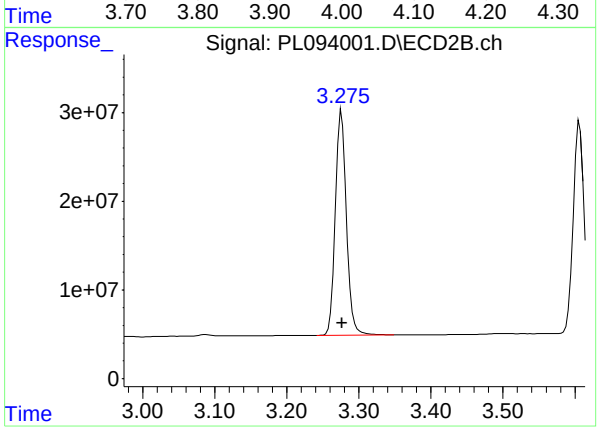
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 174795411
Conc: 53.55 ng/ml



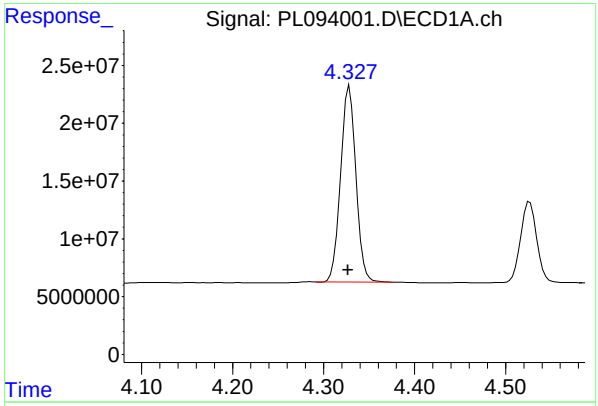
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 207090313
Conc: 54.02 ng/ml



#2 alpha-BHC

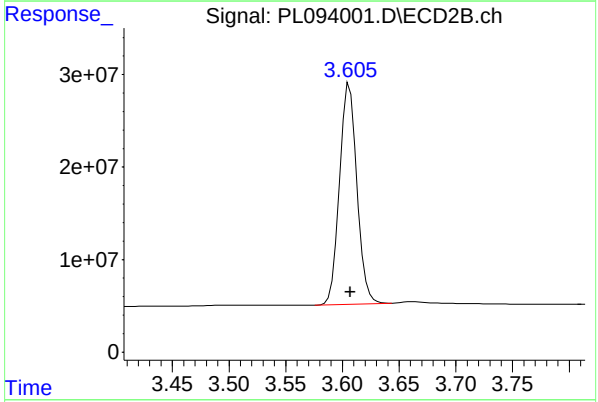
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 268686101
Conc: 54.96 ng/ml



#3 gamma-BHC (Lindane)

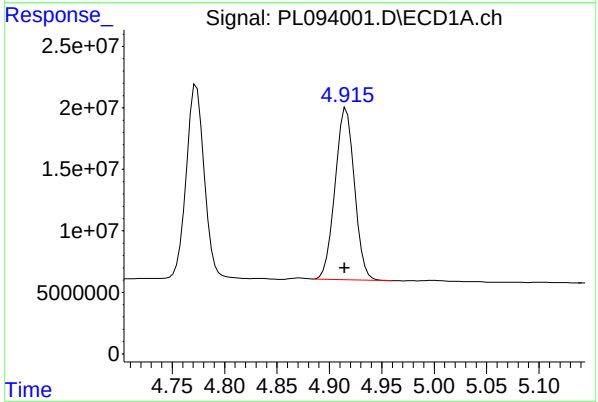
R.T.: 4.328 min
Delta R.T.: 0.001 min
Response: 198049916
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



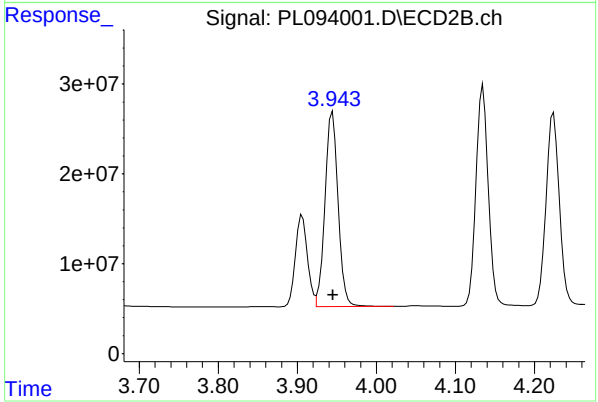
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 253902885
Conc: 53.55 ng/ml



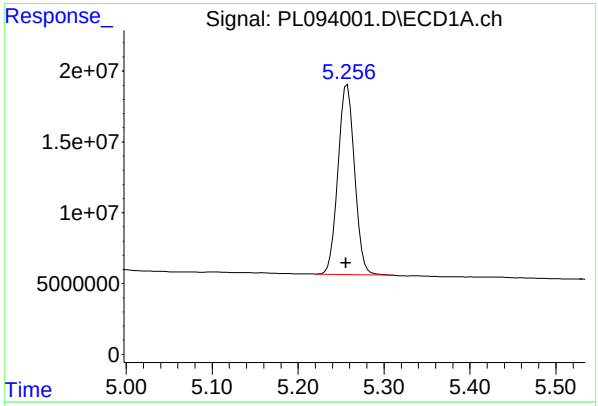
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 178981188
Conc: 54.61 ng/ml



#4 Heptachlor

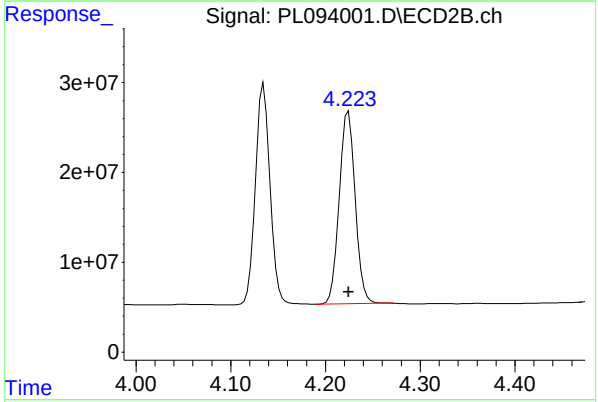
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 249940544
Conc: 53.70 ng/ml



#5 Aldrin

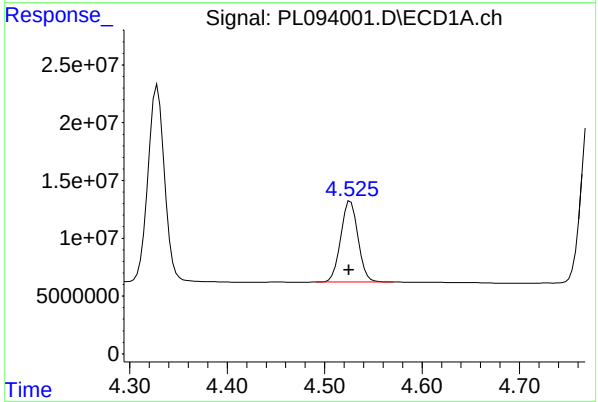
R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 179328942
Conc: 54.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



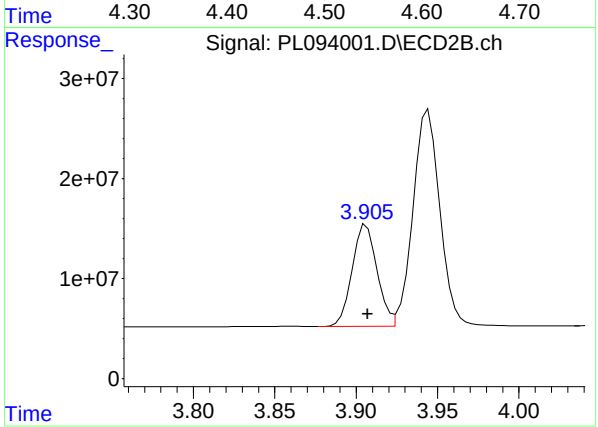
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 249861418
Conc: 54.77 ng/ml



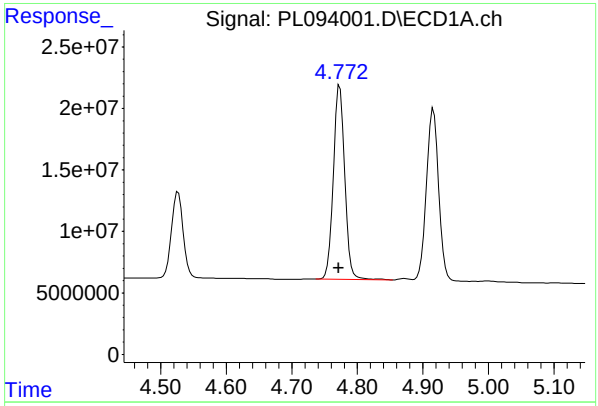
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.001 min
Response: 86408989
Conc: 53.76 ng/ml



#6 beta-BHC

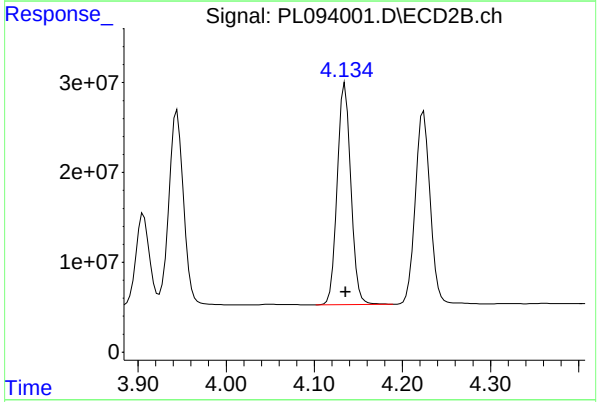
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 108161323
Conc: 54.15 ng/ml



#7 delta-BHC

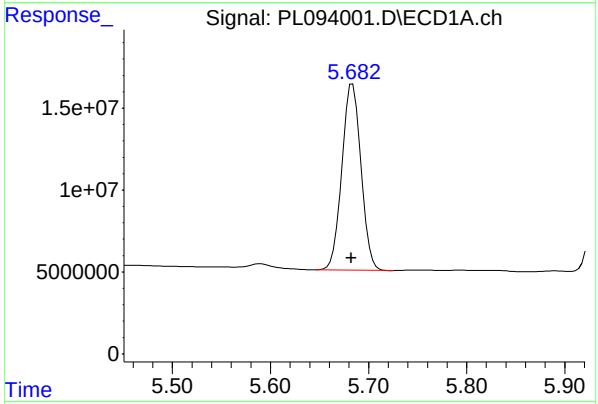
R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 190733339
Conc: 54.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



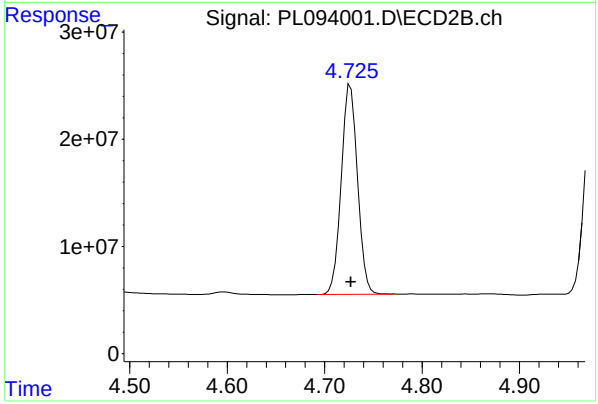
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 264486359
Conc: 55.67 ng/ml



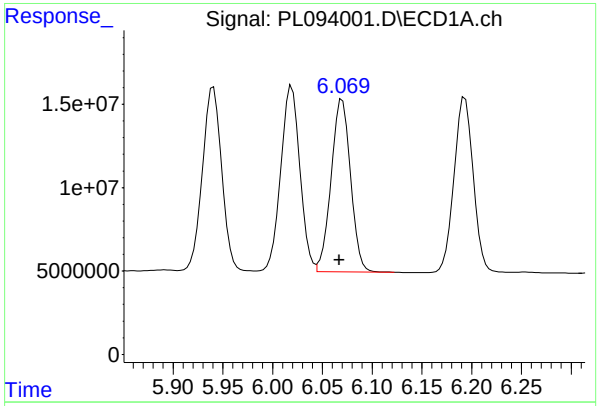
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 153951547
Conc: 51.77 ng/ml



#8 Heptachlor epoxide

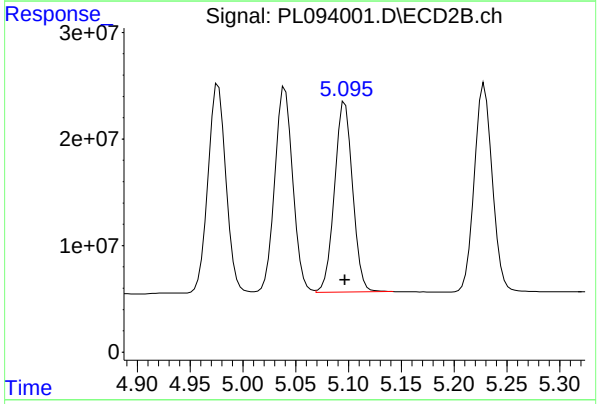
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 227083635
Conc: 54.32 ng/ml



#9 Endosulfan I

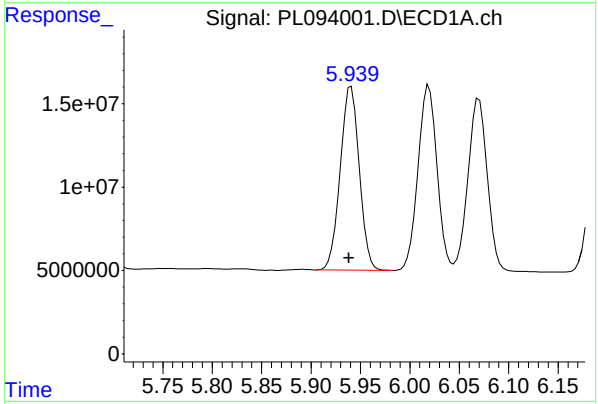
R.T.: 6.070 min
Delta R.T.: 0.003 min
Response: 140618332
Conc: 53.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



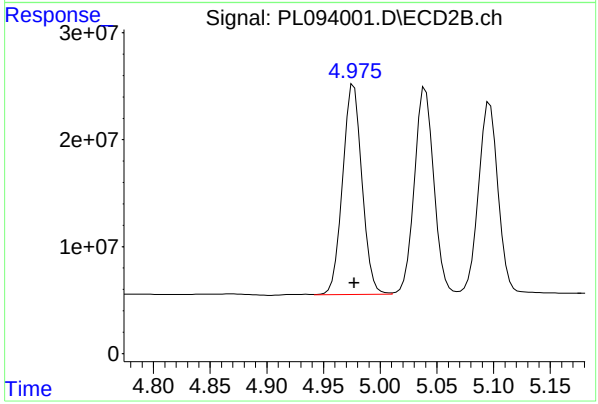
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 212883859
Conc: 54.91 ng/ml



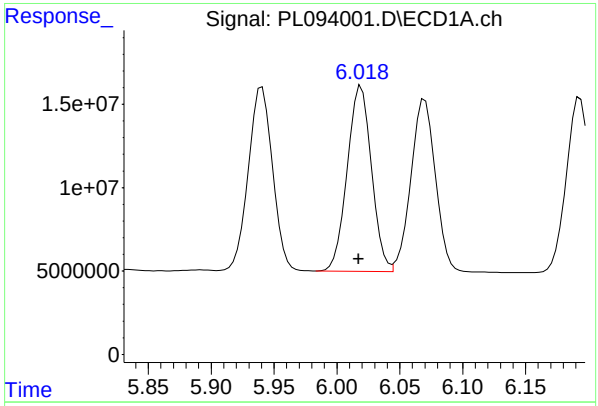
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.002 min
Response: 147654356
Conc: 52.97 ng/ml



#10 gamma-Chlordane

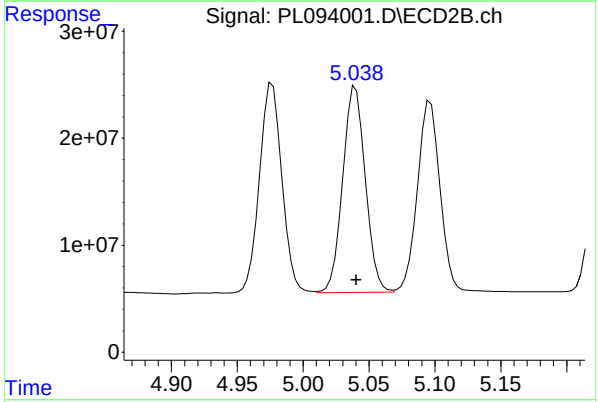
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 233500760
Conc: 55.10 ng/ml



#11 alpha-Chlordane

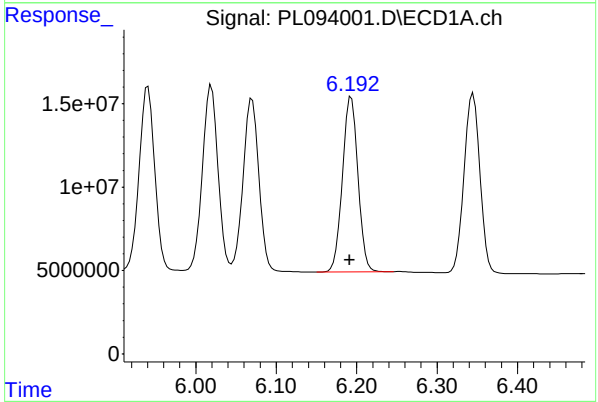
R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 149005234
Conc: 53.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



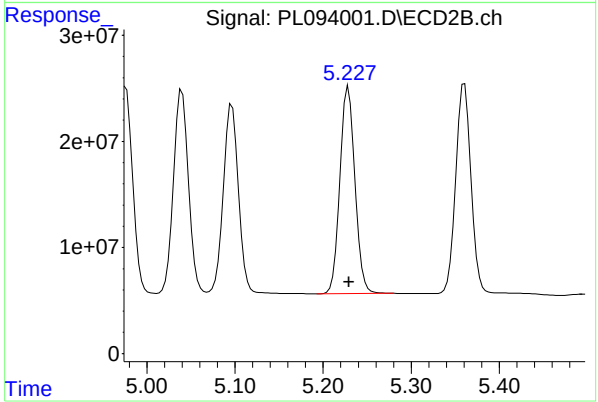
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 229656892
Conc: 54.86 ng/ml



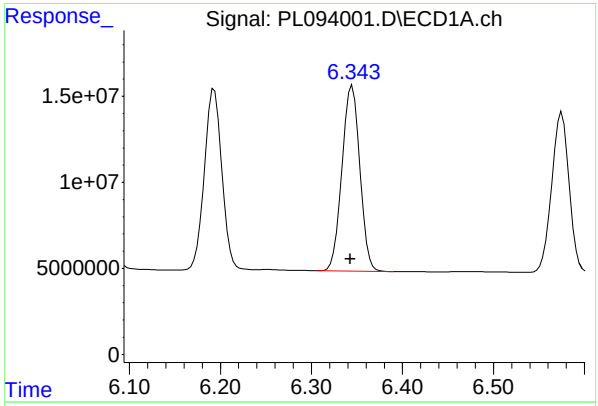
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 140722943
Conc: 57.80 ng/ml



#12 4,4'-DDE

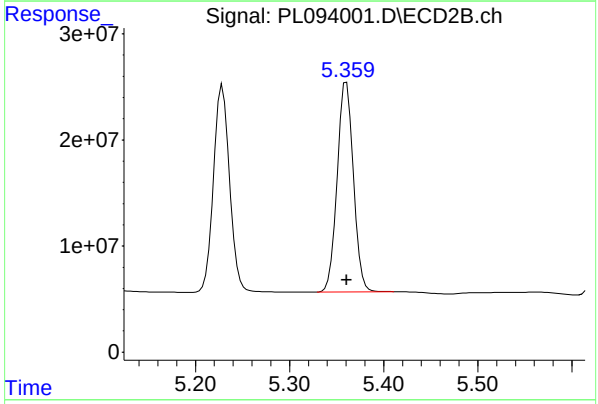
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 231747614
Conc: 57.80 ng/ml



#13 Dieldrin

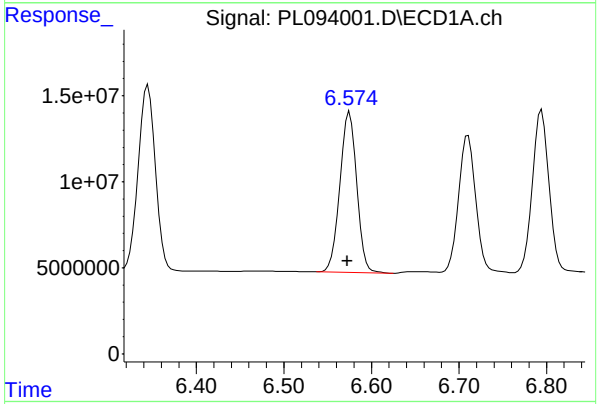
R.T.: 6.345 min
Delta R.T.: 0.002 min
Response: 147876376
Conc: 53.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



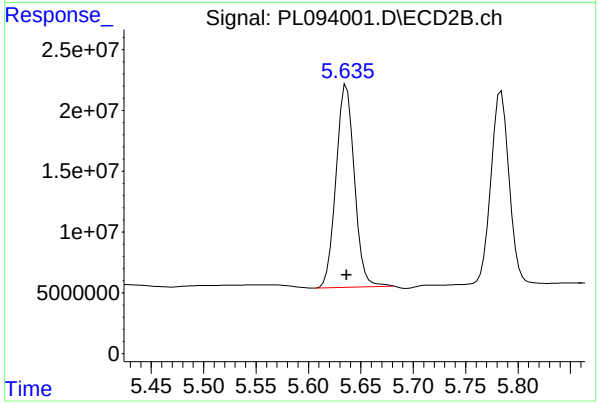
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 237435244
Conc: 55.27 ng/ml



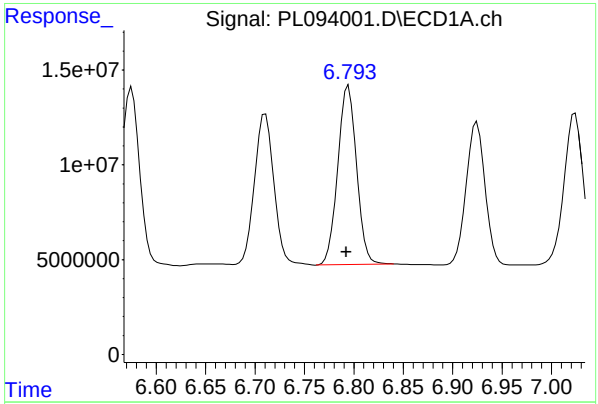
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 125012723
Conc: 53.31 ng/ml



#14 Endrin

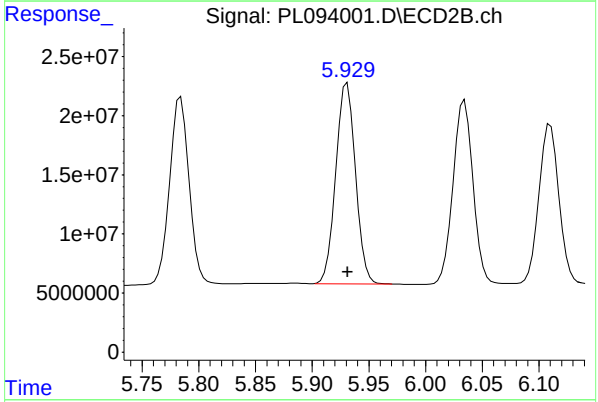
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 203437660
Conc: 55.09 ng/ml



#15 Endosulfan II

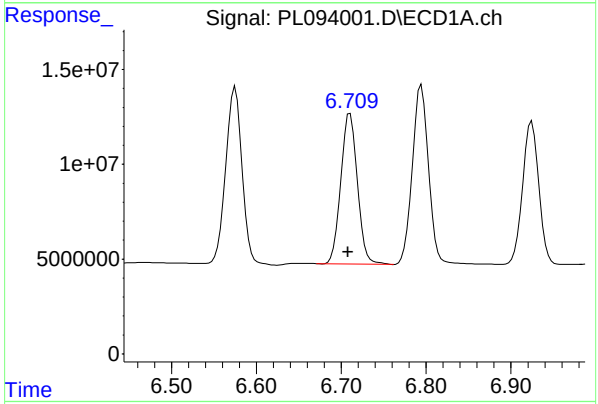
R.T.: 6.795 min
Delta R.T.: 0.002 min
Response: 124580483
Conc: 51.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



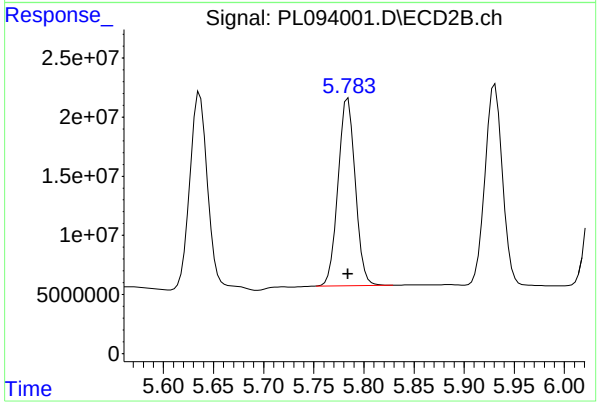
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 204986277
Conc: 55.34 ng/ml



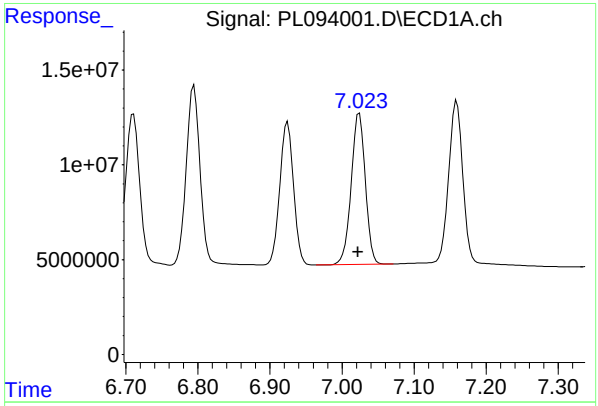
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 108258974
Conc: 56.96 ng/ml



#16 4,4'-DDD

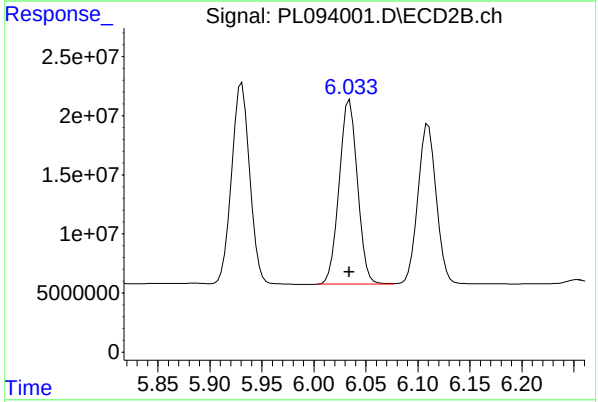
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 189378885
Conc: 60.00 ng/ml



#17 4,4'-DDT

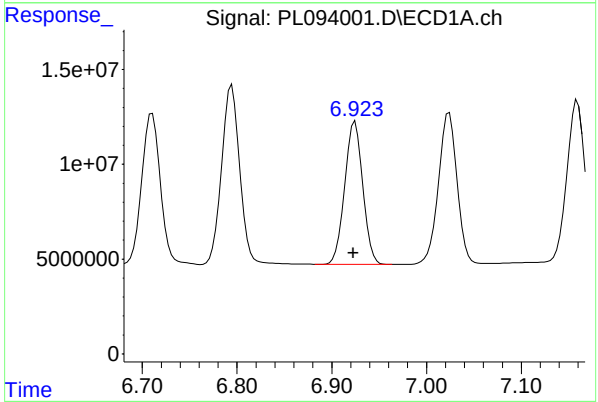
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 108680870
Conc: 55.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



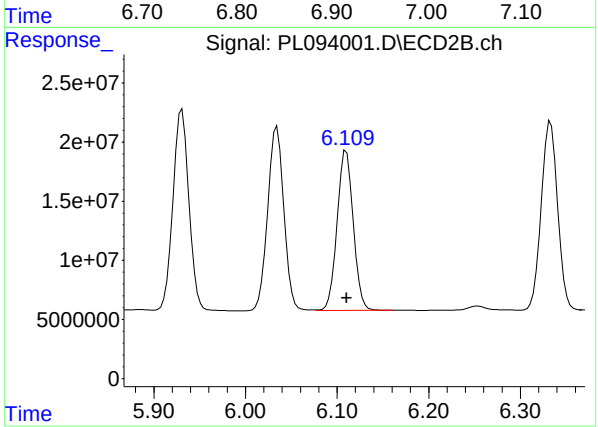
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 191139676
Conc: 58.74 ng/ml



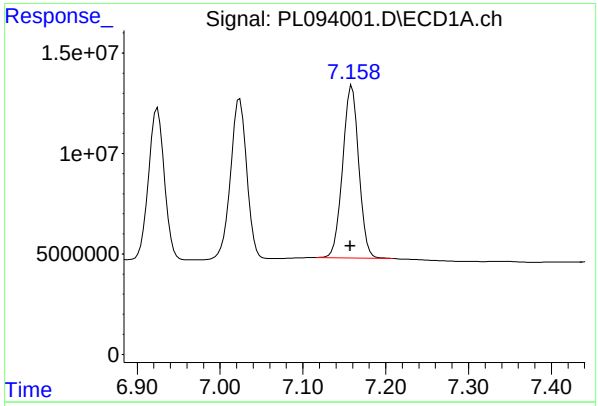
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 99968539
Conc: 51.42 ng/ml



#18 Endrin aldehyde

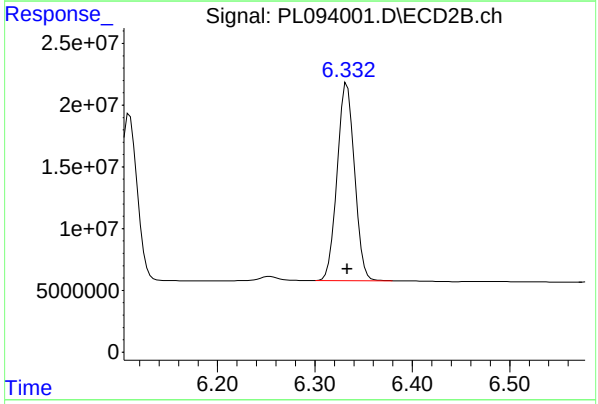
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 166143954
Conc: 54.57 ng/ml



#19 Endosulfan Sulfate

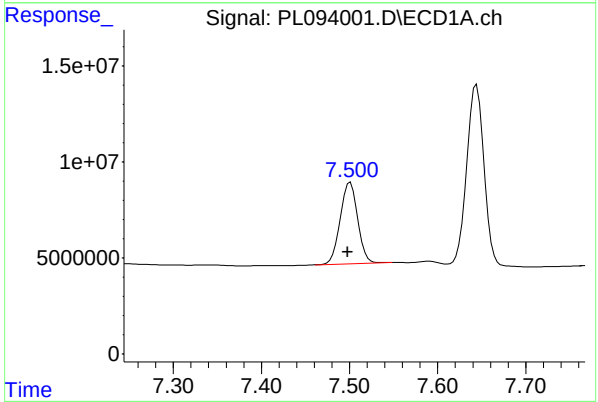
R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 116288904
Conc: 51.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



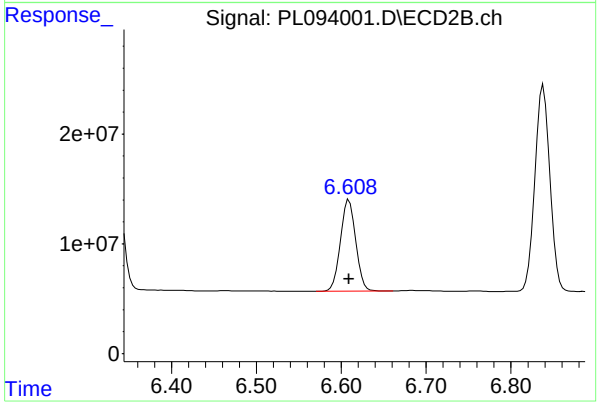
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 198264406
Conc: 55.60 ng/ml



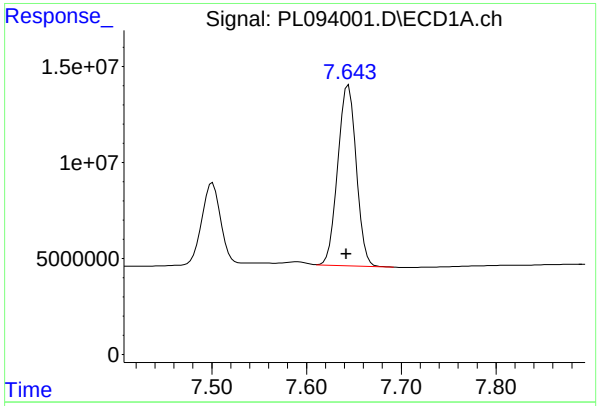
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 58743550
Conc: 56.30 ng/ml



#20 Methoxychlor

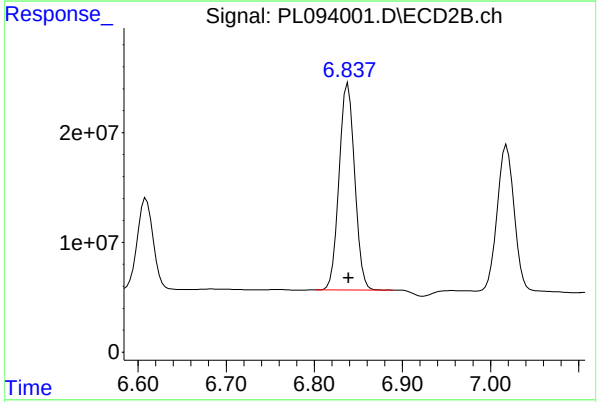
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 104436375
Conc: 58.41 ng/ml



#21 Endrin ketone

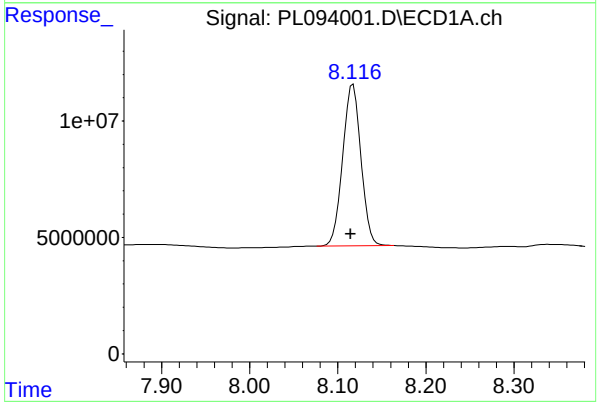
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 127561065
Conc: 50.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



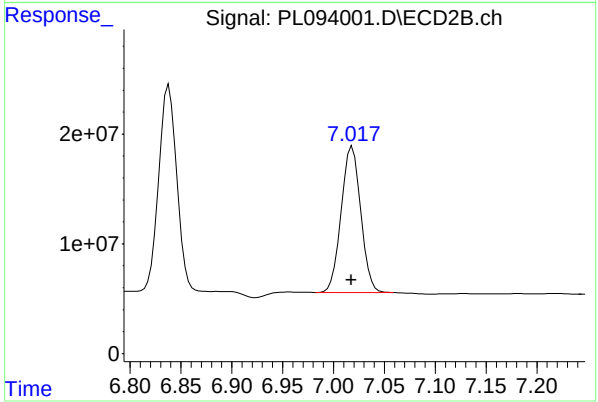
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 231717704
Conc: 55.23 ng/ml



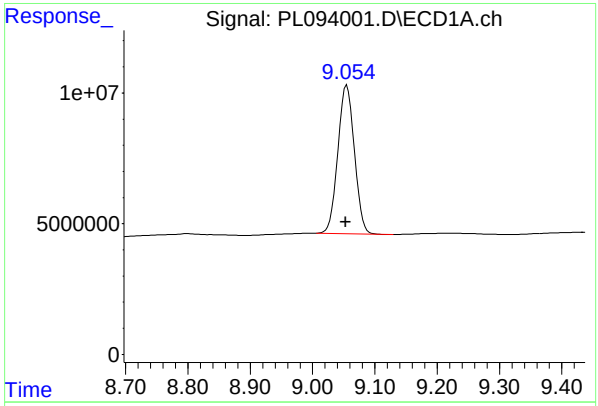
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 100040759
Conc: 48.04 ng/ml



#22 Mirex

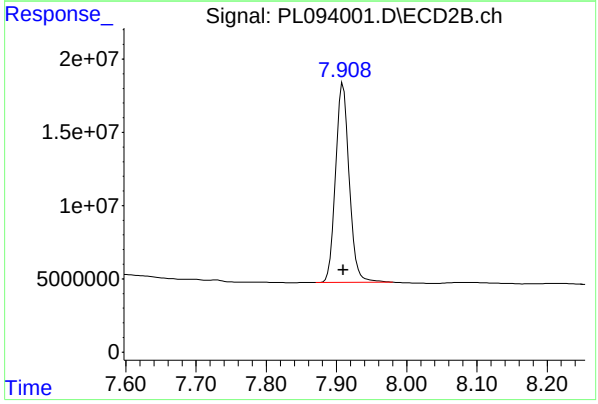
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 177992860
Conc: 52.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 104847601
Conc: 50.12 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 183675852
Conc: 52.42 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.052	8.950	9.150	18.070	20.000	-9.7
Tetrachloro-m-xylene	3.538	3.490	3.590	18.530	20.000	-7.4
alpha-BHC	3.994	3.940	4.040	9.490	10.000	-5.1
beta-BHC	4.525	4.470	4.580	9.790	10.000	-2.1
gamma-BHC (Lindane)	4.326	4.280	4.380	9.300	10.000	-7.0
Endrin	6.572	6.500	6.640	41.270	50.000	-17.5
4,4'-DDT	7.022	6.950	7.090	82.410	100.000	-17.6
Methoxychlor	7.498	7.430	7.570	190.380	250.000	-23.8

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

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	17.950	20.000	-10.3
Tetrachloro-m-xylene	2.775	2.720	2.830	17.900	20.000	-10.5
alpha-BHC	3.277	3.230	3.330	8.620	10.000	-13.8
beta-BHC	3.907	3.860	3.960	9.800	10.000	-2.0
gamma-BHC (Lindane)	3.607	3.560	3.660	8.300	10.000	-17.0
Endrin	5.636	5.570	5.710	42.700	50.000	-14.6
4,4'-DDT	6.034	5.960	6.100	96.510	100.000	-3.5
Methoxychlor	6.609	6.540	6.680	209.940	250.000	-16.0

PEM

Data File: PL093726.D **Date Acquired** 1/21/2025 10:30

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	96765136.66	105215770.7	8450634.06	**8.03**
Endrin aldehyde	6.92	3175682.472			
Endrin ketone	7.64	5274951.584			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	157695791.8	174071574	16375782.2	**9.41**
Endrin aldehyde #2	6.11	6776503.08			
Endrin ketone #2	6.84	9599279.119			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	162509369.8	166424298.6	3914928.76	**2.35**
4,4'-DDE	6.19	560248.444			
4,4'-DDD	6.71	3354680.315			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	314041690	320417432.8	6375742.79	**1.99**
4,4'-DDE #2	5.23	775353.914			
4,4'-DDD #2	5.78	5600388.877			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946
	Target Compounds						
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797
12)	B 4,4'-DDE	6.193	5.230	560248	775354	0.230m	0.193
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705
16)	A 4,4'-DDD	6.707	5.785	3354680	5600389	1.765m	1.774
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508
18)	B Endrin al...	6.921	6.109	3175682	6776503	1.634m	2.226 #
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288

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

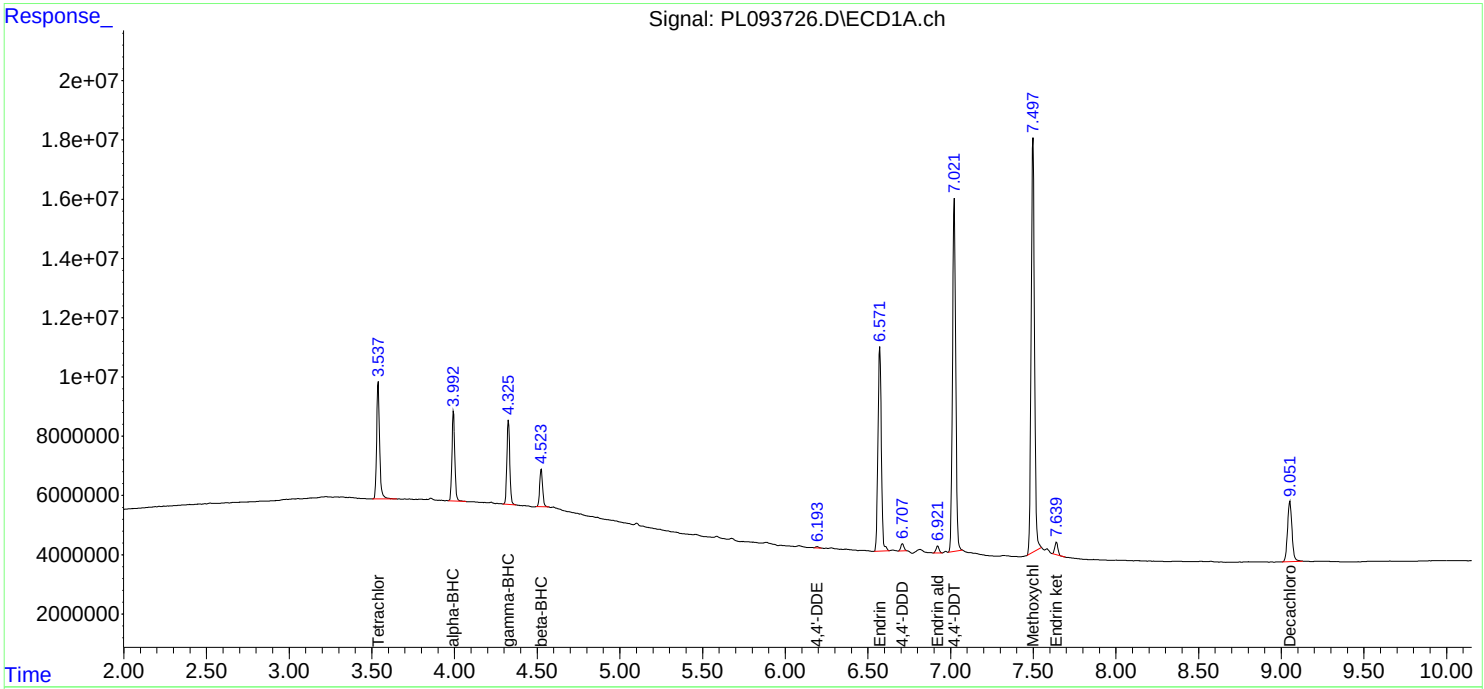
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

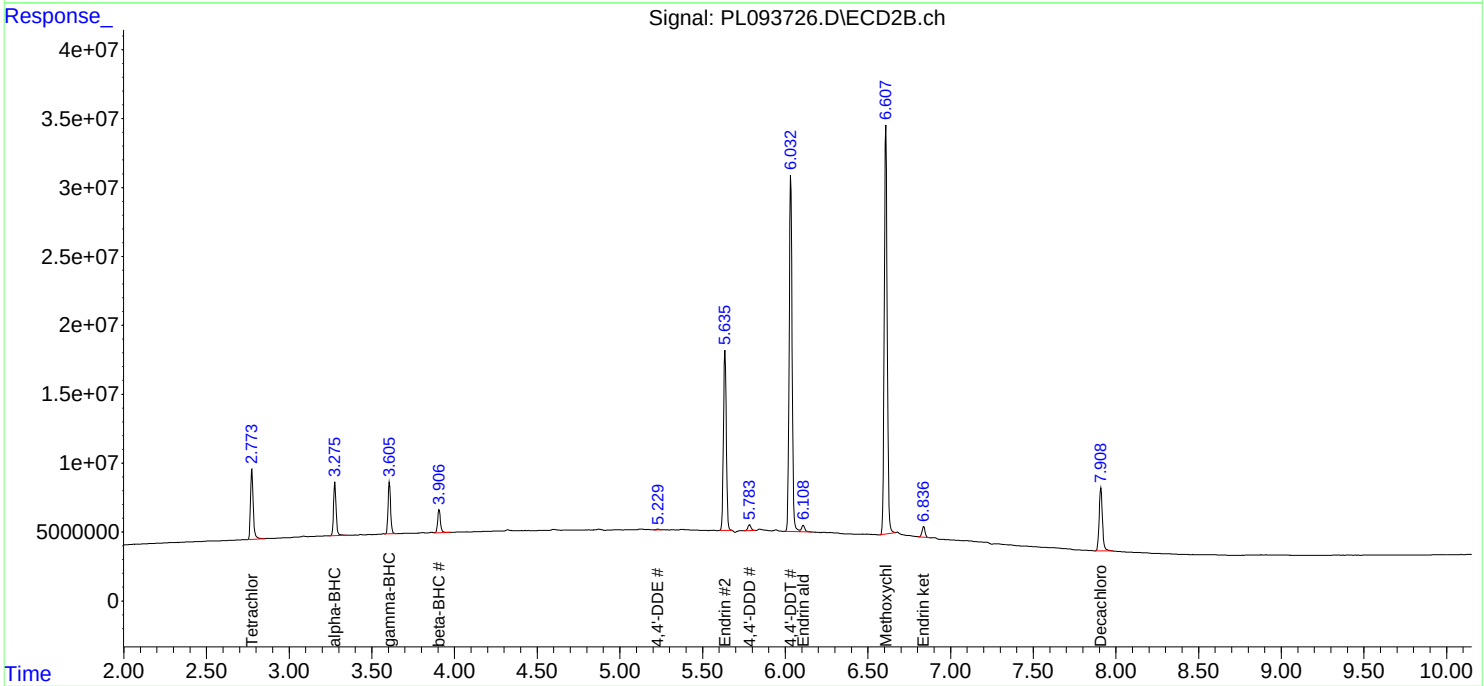
Instrument :
ECD_L
ClientSampleId :
PEM

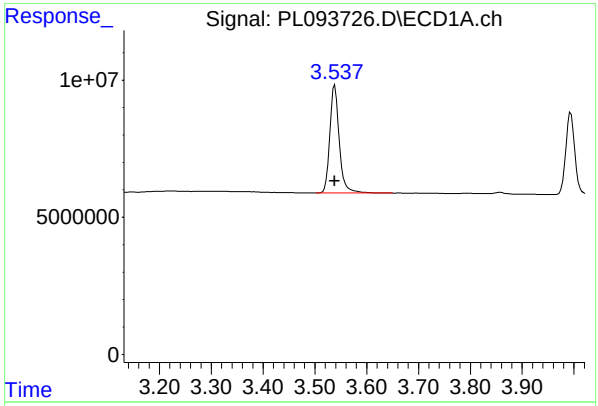
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







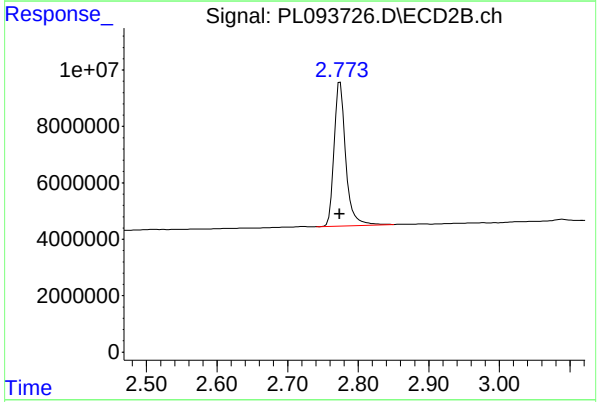
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 mi
Response: 49897579
Conc: 18.53 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

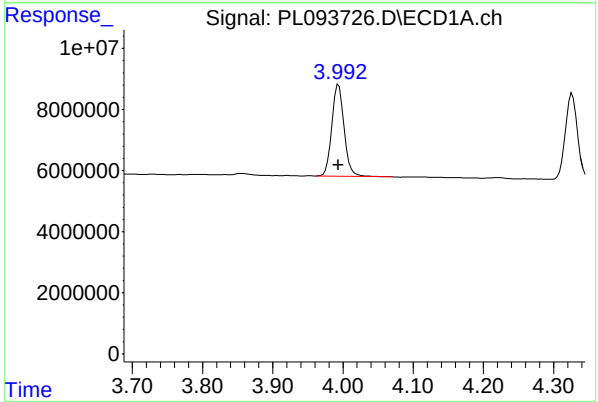
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



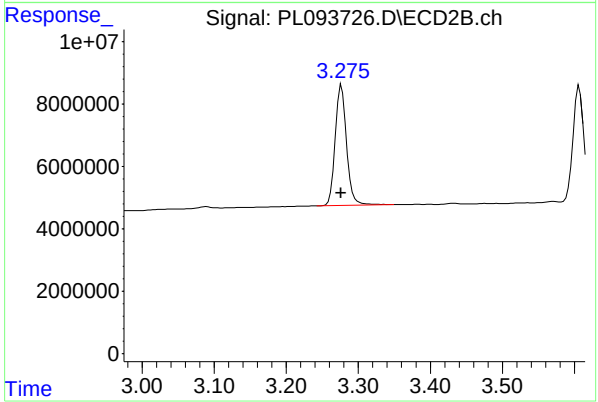
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



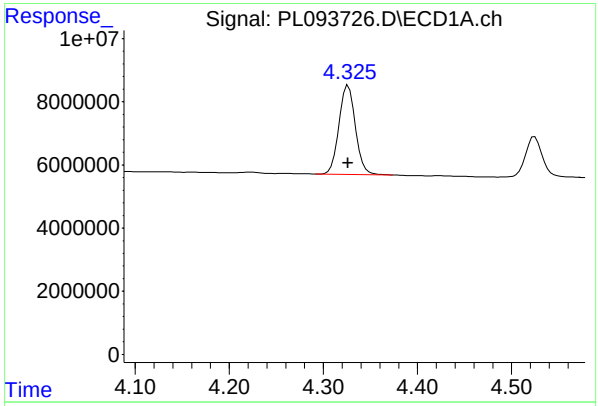
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



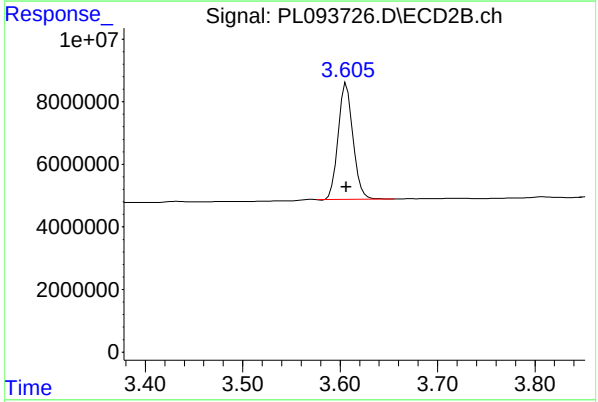
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

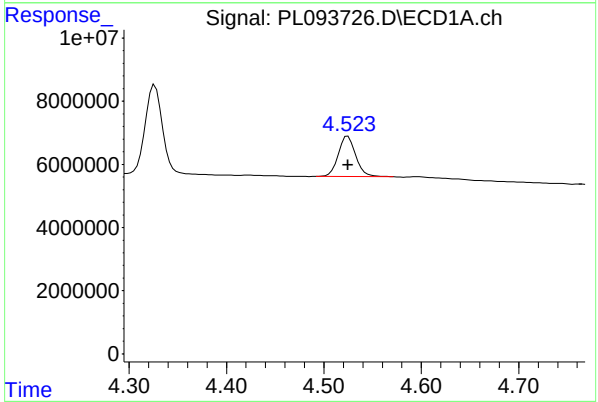
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



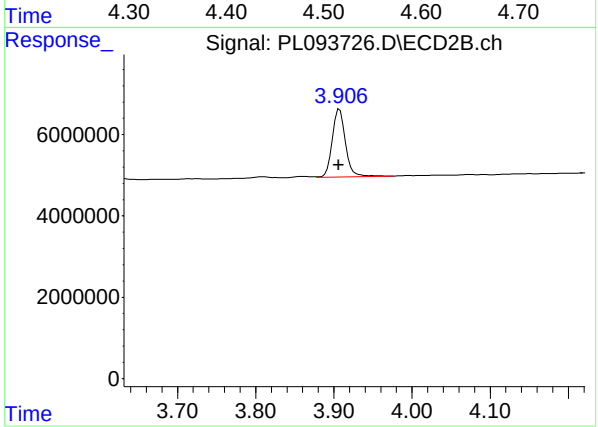
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



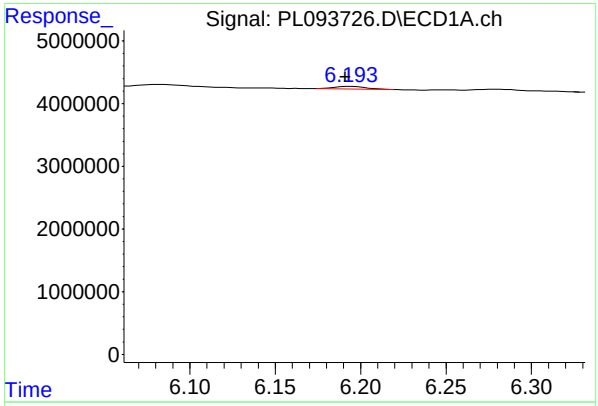
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



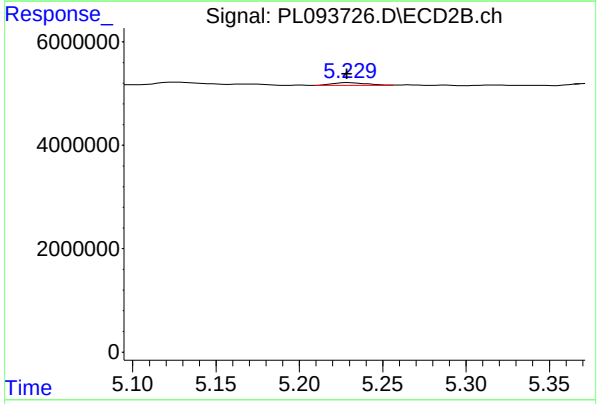
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 560248
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

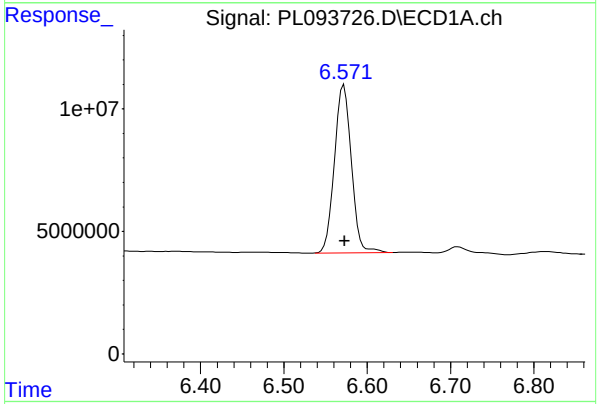
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



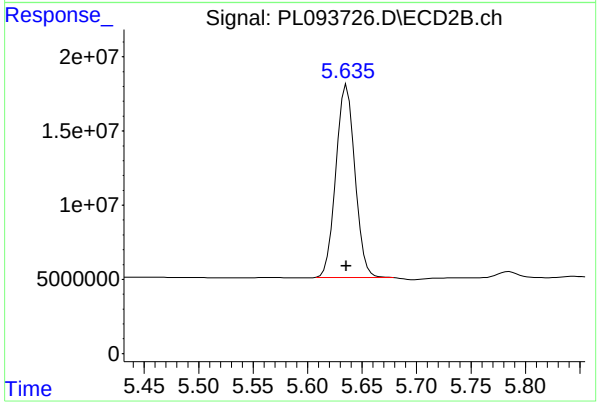
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



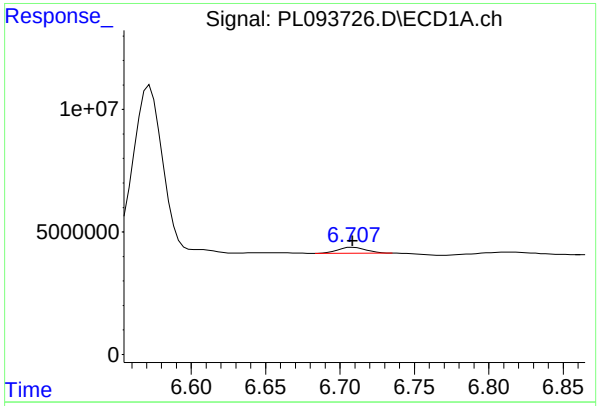
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



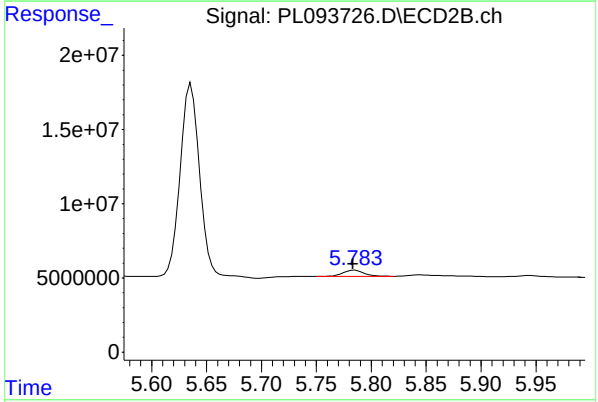
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3354680
Conc: 1.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

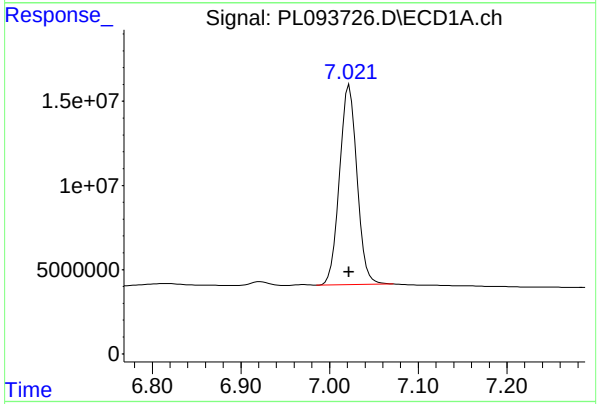
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



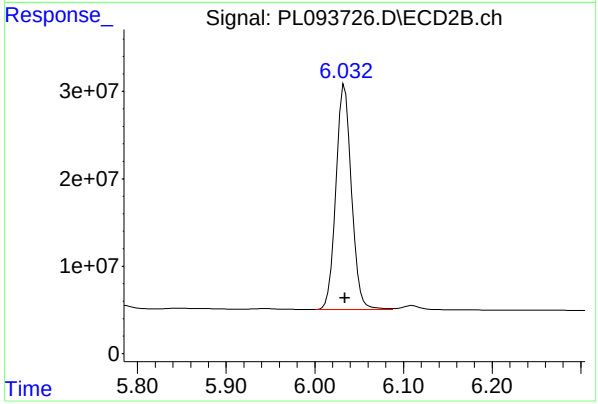
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



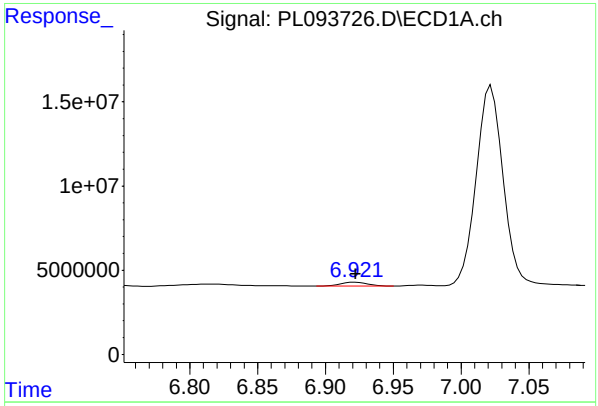
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



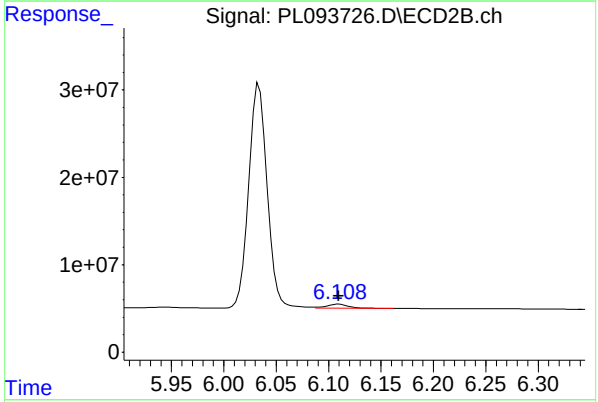
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 3175682
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

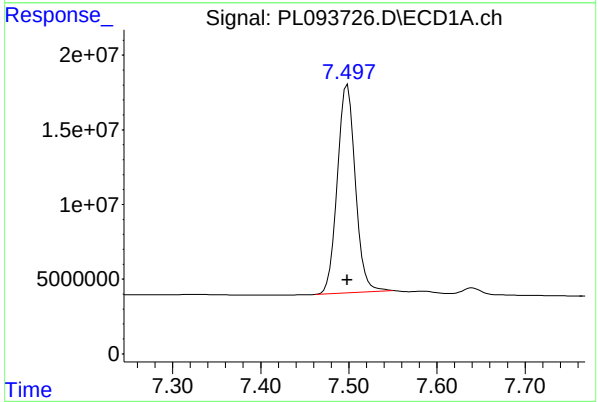
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



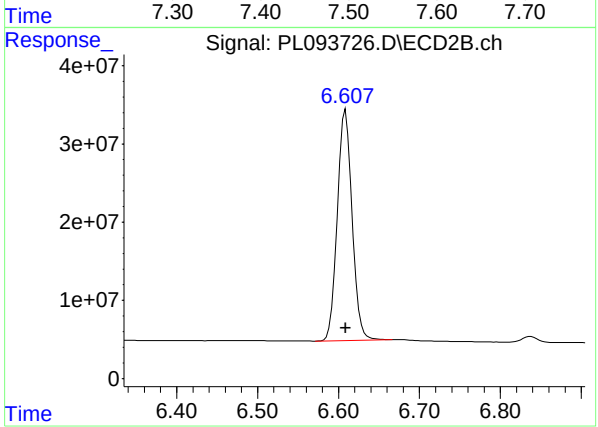
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



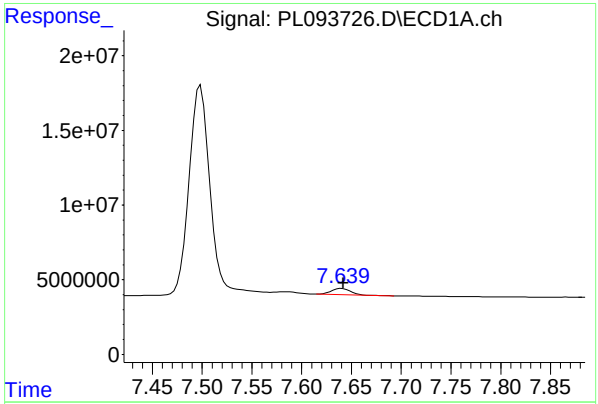
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



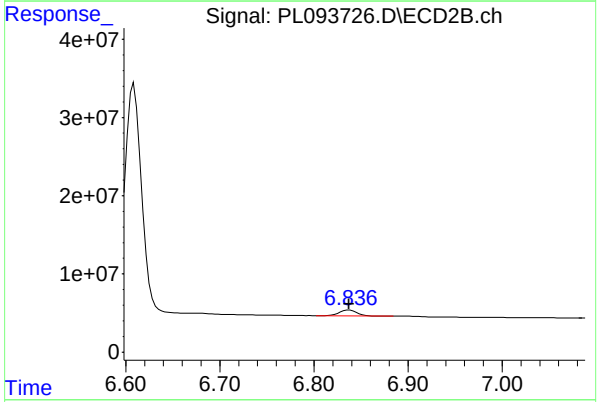
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

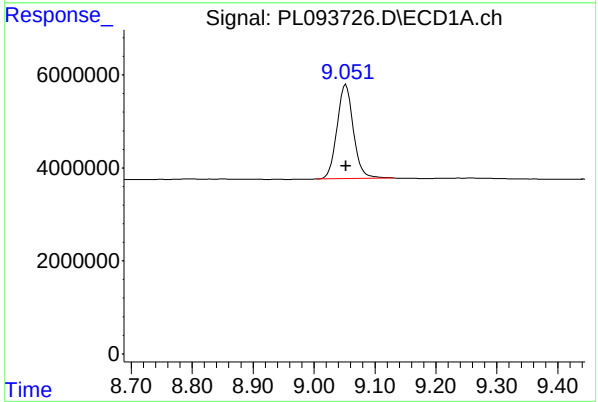
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



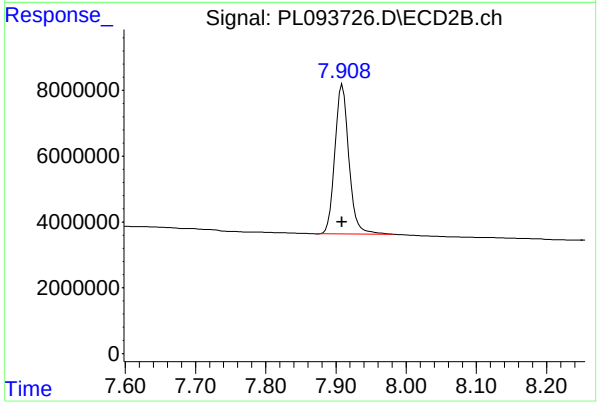
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No. (PEM): PEM - PL093842.D **Date Analyzed:** 01/29/2025

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

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.060	8.960	9.160	22.550	20.000	12.8
Tetrachloro-m-xylene	3.538	3.490	3.590	21.480	20.000	7.4
alpha-BHC	3.994	3.940	4.040	11.230	10.000	12.3
beta-BHC	4.526	4.480	4.580	11.610	10.000	16.1
gamma-BHC (Lindane)	4.327	4.280	4.380	11.240	10.000	12.4
Endrin	6.576	6.510	6.650	50.170	50.000	0.3
4,4'-DDT	7.027	6.960	7.100	106.770	100.000	6.8
Methoxychlor	7.503	7.430	7.570	247.220	250.000	-1.1

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

Client Sample No. (PEM): PEM - PL093842.D **Date Analyzed:** 01/29/2025

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

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.913	7.810	8.010	20.860	20.000	4.3
Tetrachloro-m-xylene	2.774	2.720	2.820	20.210	20.000	1.1
alpha-BHC	3.277	3.230	3.330	9.770	10.000	-2.3
beta-BHC	3.907	3.860	3.960	11.050	10.000	10.5
gamma-BHC (Lindane)	3.607	3.560	3.660	9.350	10.000	-6.5
Endrin	5.638	5.570	5.710	48.690	50.000	-2.6
4,4'-DDT	6.036	5.970	6.110	116.290	100.000	16.3
Methoxychlor	6.612	6.540	6.680	254.730	250.000	1.9

PEM

Data File: PL093842.D **Date Acquired** 1/29/2025 10:10

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.58	117628503.7	126895904.2	9267400.5	**7.30**
Endrin aldehyde	6.93	3110846.504			
Endrin ketone	7.65	6156553.993			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	179805127.3	196126116.2	16320988.8	**8.32**
Endrin aldehyde #2	6.11	6442058.286			
Endrin ketone #2	6.84	9878930.563			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	210558932.2	215430189.9	4871257.76	**2.26**
4,4'-DDE	6.20	464296.641			
4,4'-DDD	6.71	4406961.123			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	378424053.9	383454268.8	5030214.9	**1.31**
4,4'-DDE #2	5.23	578159.158			
4,4'-DDD #2	5.79	4452055.746			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 10:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:21:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.774	57837310	65955591	21.479	20.206	
28)	SA Decachlor...	9.060	7.913	47165334	73096348	22.546	20.860	
	Target Compounds							
2)	A alpha-BHC	3.994	3.277	43071885	47744347	11.235	9.766	
3)	MA gamma-BHC...	4.327	3.607	41379986	44325063	11.236	9.349	
6)	B beta-BHC	4.526	3.907	18661150	22080098	11.610	11.054	
12)	B 4,4'-DDE	6.197	5.235	464297	578159	0.191m	0.144	
14)	MA Endrin	6.576	5.638	117.6E6	179.8E6	50.165	48.692	
16)	A 4,4'-DDD	6.713	5.787	4406961	4452056	2.319	1.410	#
17)	MA 4,4'-DDT	7.027	6.036	210.6E6	378.4E6	106.771	116.293	
18)	B Endrin al...	6.926	6.112	3110847	6442058	1.600	2.116	#
20)	A Methoxychlor	7.503	6.612	258.0E6	455.5E6	247.223	254.732	
21)	B Endrin ke...	7.646	6.841	6156554	9878931	2.441	2.355	

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

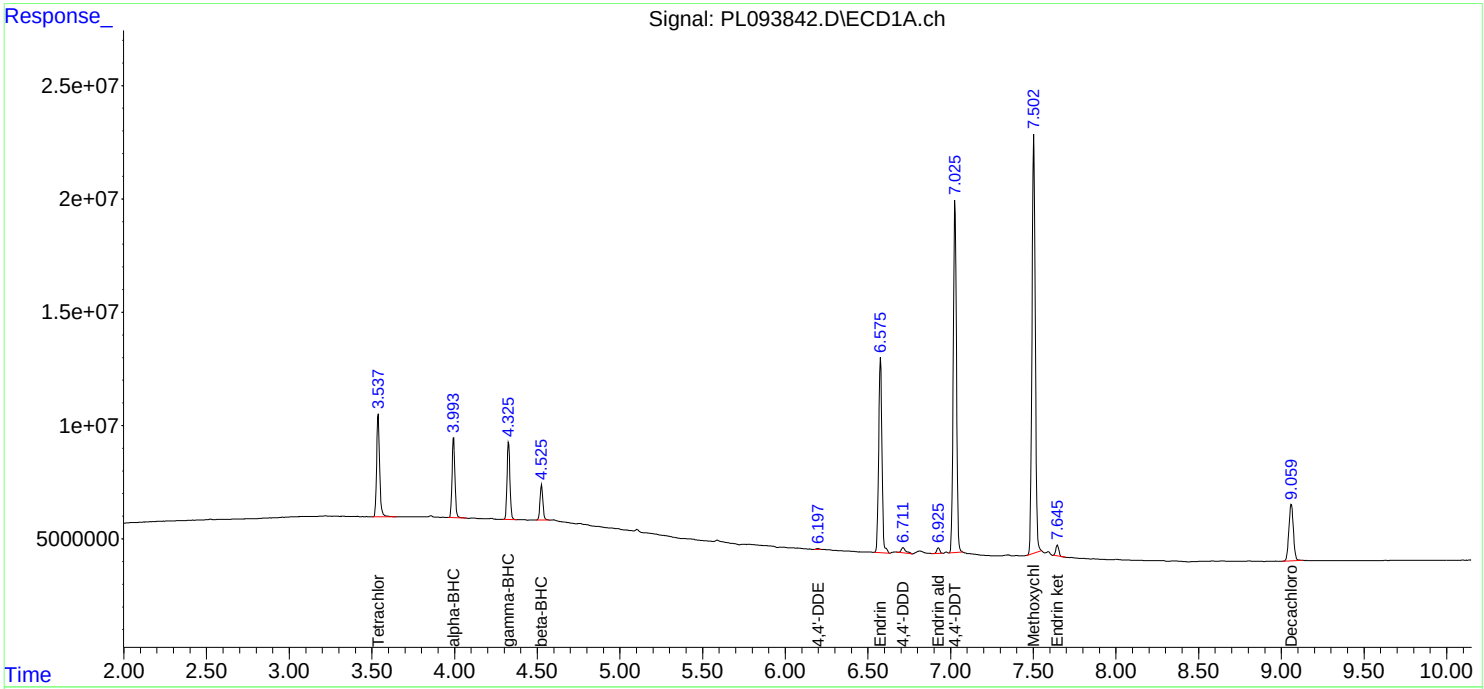
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 10:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

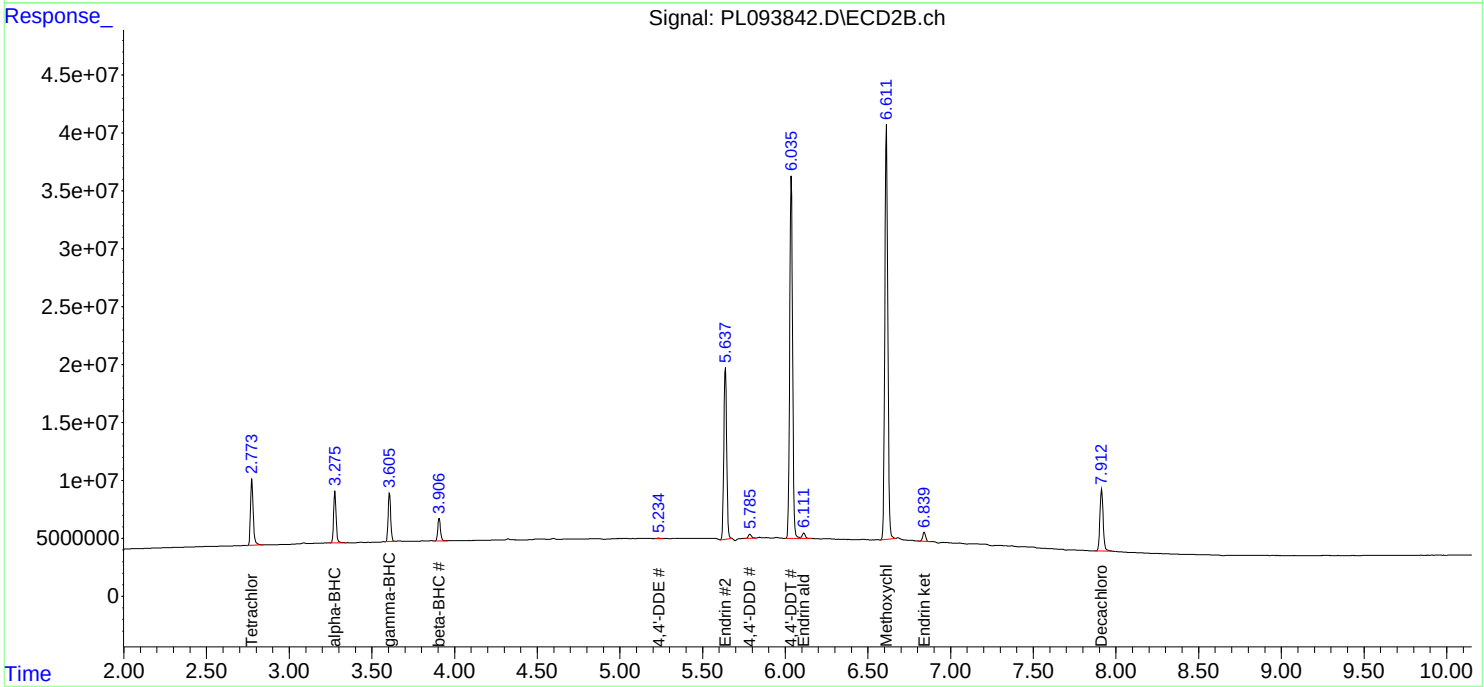
Instrument :
ECD_L
ClientSampleId :
PEM

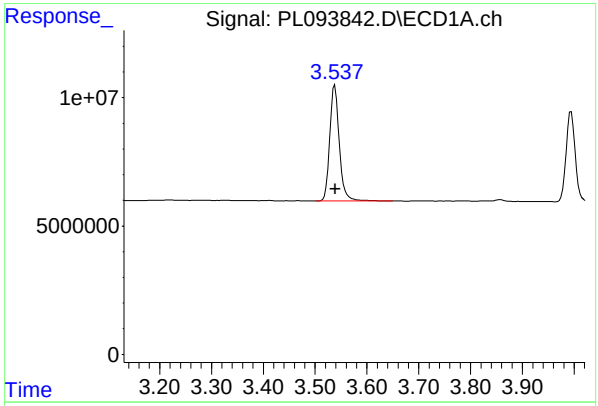
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:21:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







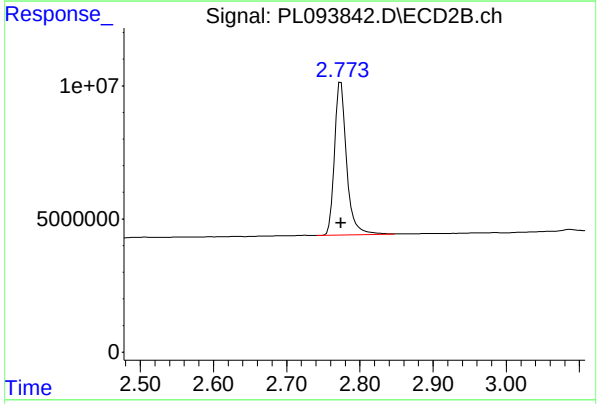
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 mi
Response: 57837310
Conc: 21.48 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

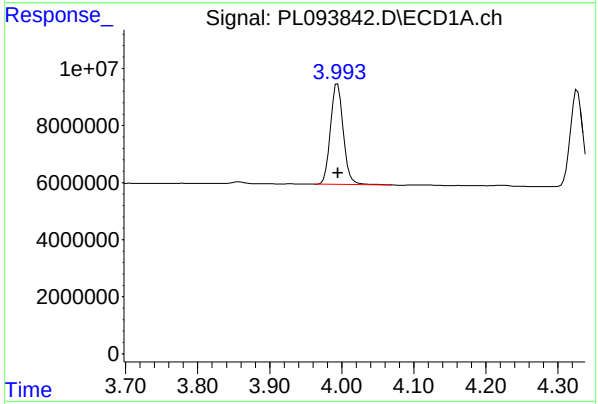
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



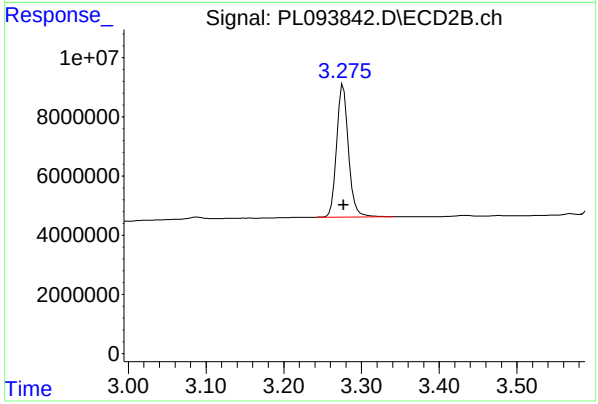
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 65955591
Conc: 20.21 ng/ml



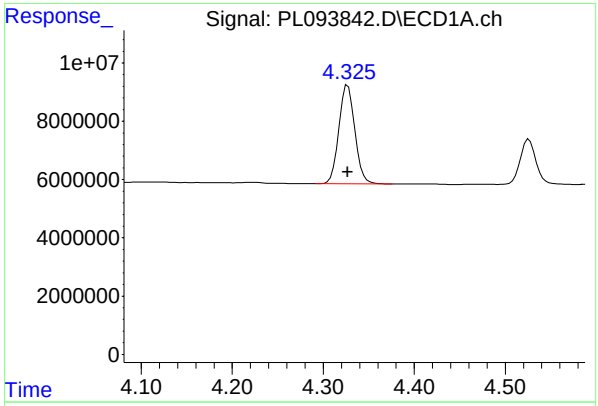
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 43071885
Conc: 11.23 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 47744347
Conc: 9.77 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 41379986
Conc: 11.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

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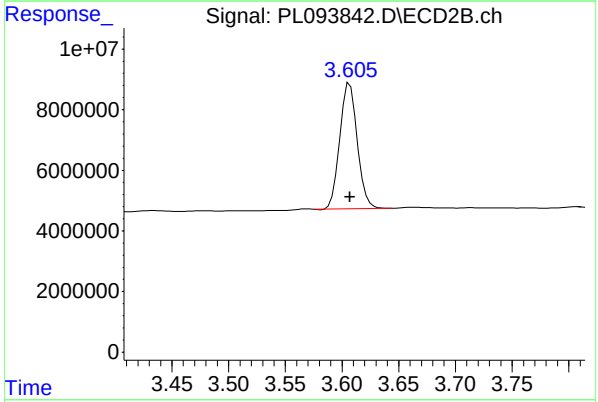
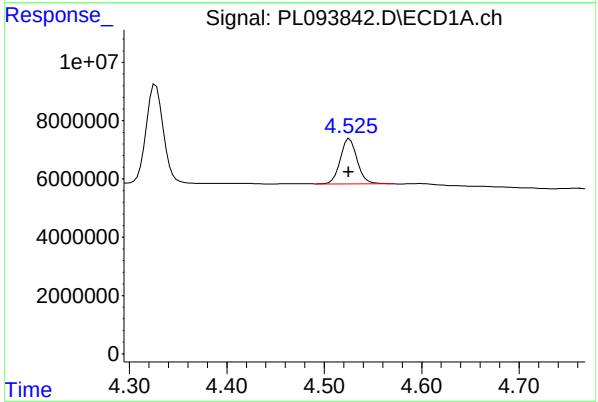
Supervised By :Ankita Jodhani 01/30/2025



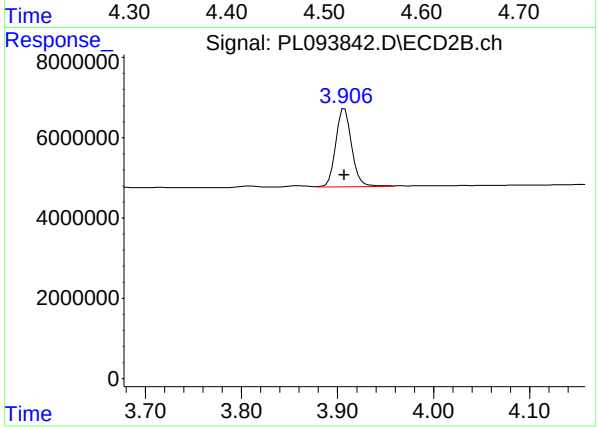
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 44325063
Conc: 9.35 ng/ml



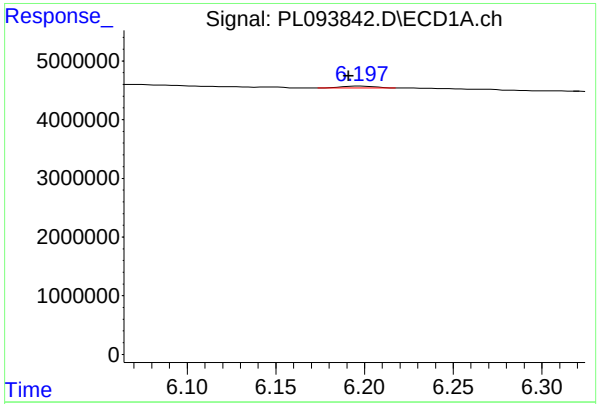
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 18661150
Conc: 11.61 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 22080098
Conc: 11.05 ng/ml



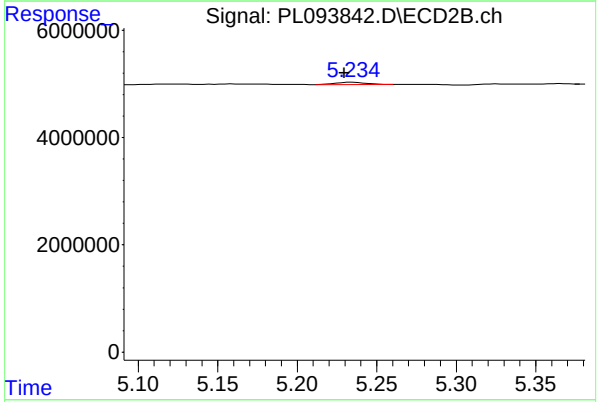
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.006 min
Response: 464297
Conc: 0.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

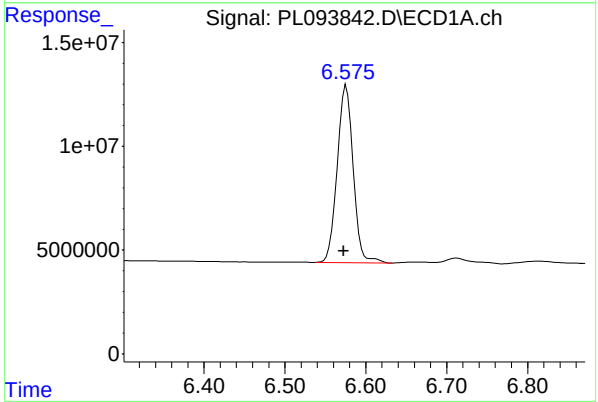
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



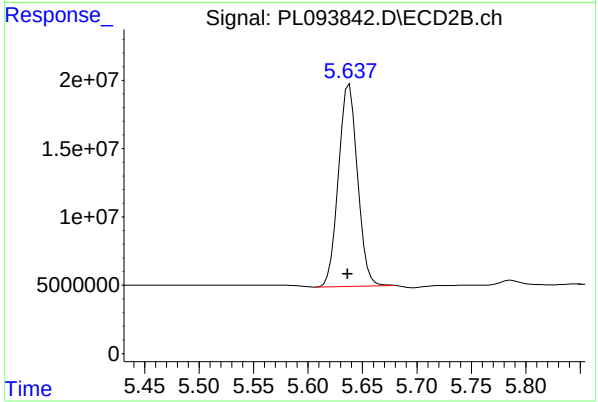
#12 4,4'-DDE

R.T.: 5.235 min
Delta R.T.: 0.005 min
Response: 578159
Conc: 0.14 ng/ml



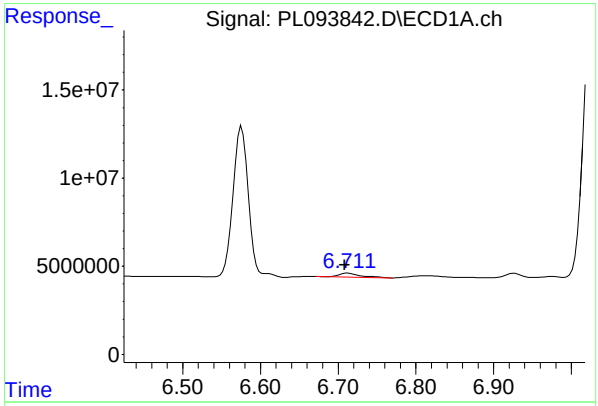
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.004 min
Response: 117628504
Conc: 50.17 ng/ml



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 179805127
Conc: 48.69 ng/ml



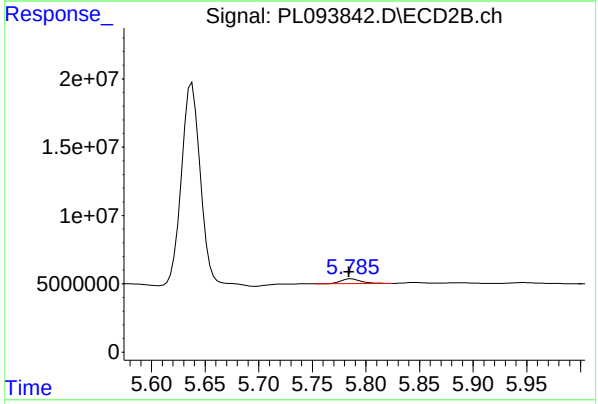
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.004 min
Response: 4406961
Conc: 2.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

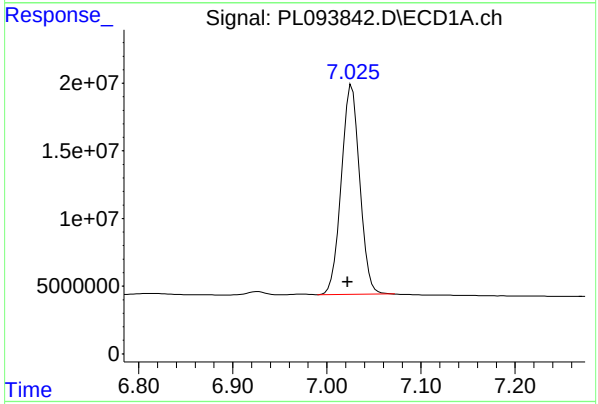
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



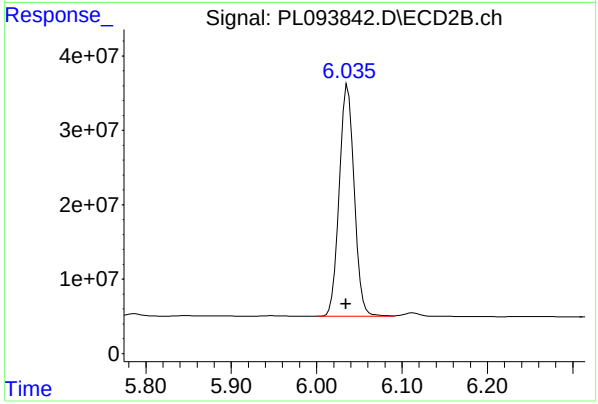
#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 4452056
Conc: 1.41 ng/ml



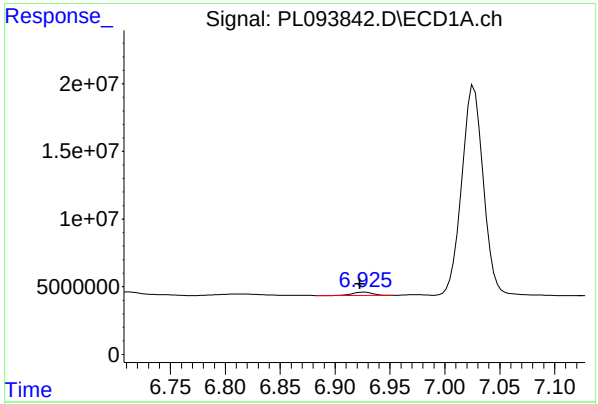
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.004 min
Response: 210558932
Conc: 106.77 ng/ml



#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 378424054
Conc: 116.29 ng/ml



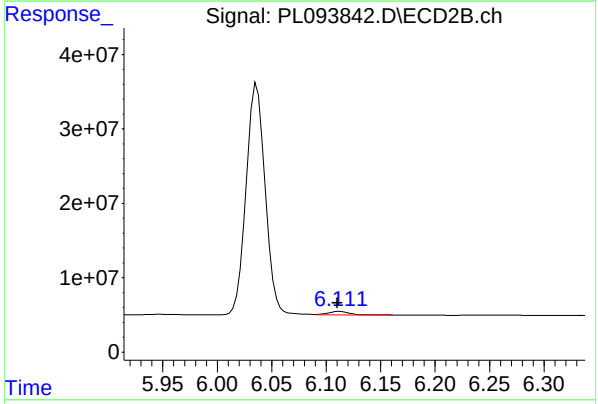
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.004 min
Response: 3110847
Conc: 1.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

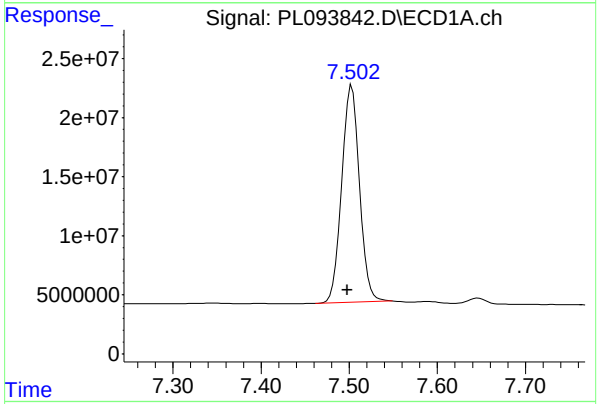
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



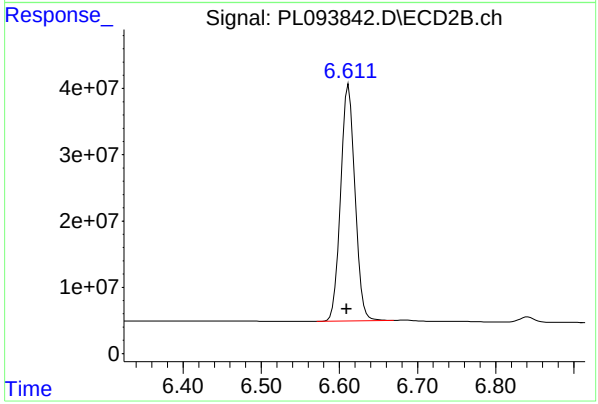
#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 6442058
Conc: 2.12 ng/ml



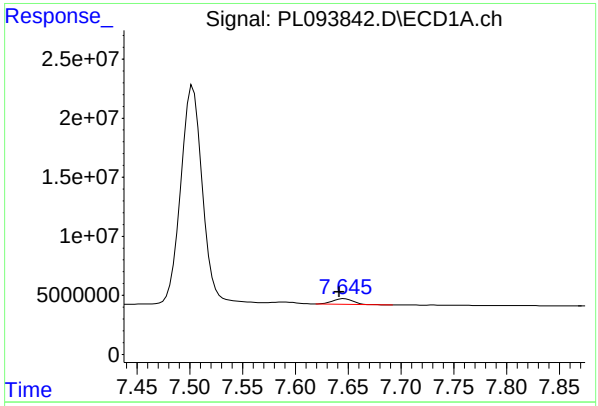
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 257951608
Conc: 247.22 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.003 min
Response: 455496338
Conc: 254.73 ng/ml



#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.004 min
Response: 6156554
Conc: 2.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/30/2025
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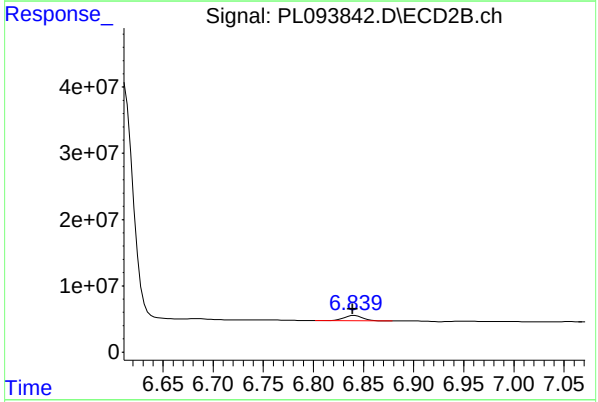
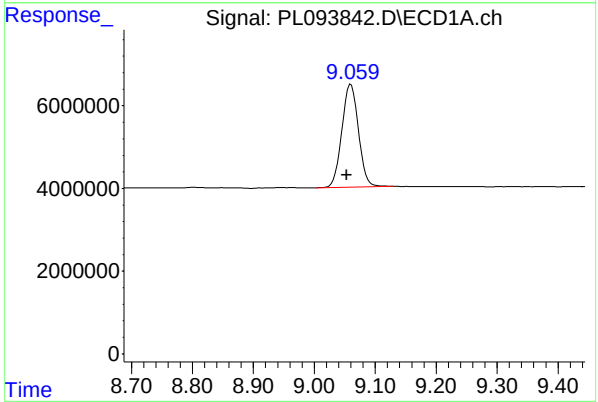


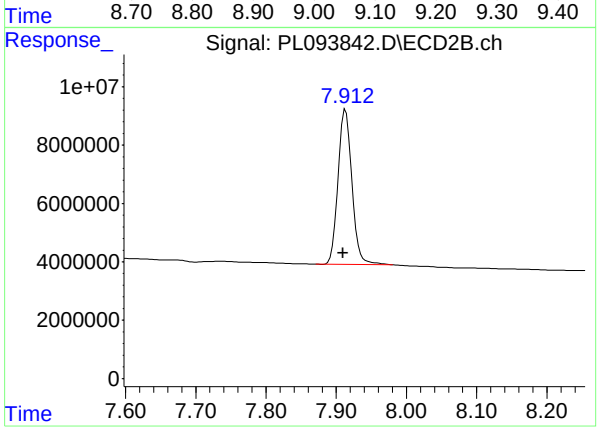
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 9878931
Conc: 2.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.007 min
Response: 47165334
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.003 min
Response: 73096348
Conc: 20.86 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No. (PEM): PEM - PL093875.D **Date Analyzed:** 01/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:45

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	23.080	20.000	15.4
Tetrachloro-m-xylene	3.539	3.490	3.590	21.630	20.000	8.2
alpha-BHC	3.995	3.940	4.050	11.160	10.000	11.6
beta-BHC	4.525	4.470	4.580	11.630	10.000	16.3
gamma-BHC (Lindane)	4.327	4.280	4.380	11.090	10.000	10.9
Endrin	6.575	6.500	6.650	50.070	50.000	0.1
4,4'-DDT	7.025	6.950	7.100	105.300	100.000	5.3
Methoxychlor	7.501	7.430	7.570	246.960	250.000	-1.2

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

Client Sample No. (PEM): PEM - PL093875.D **Date Analyzed:** 01/30/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:45

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	22.210	20.000	11.1
Tetrachloro-m-xylene	2.774	2.720	2.820	20.410	20.000	2.1
alpha-BHC	3.276	3.230	3.330	9.790	10.000	-2.1
beta-BHC	3.907	3.860	3.960	11.070	10.000	10.7
gamma-BHC (Lindane)	3.606	3.560	3.660	9.520	10.000	-4.8
Endrin	5.637	5.570	5.710	50.920	50.000	1.8
4,4'-DDT	6.035	5.960	6.110	119.020	100.000	19.0
Methoxychlor	6.610	6.540	6.680	257.770	250.000	3.1

PEM

Data File: PL093875.D **Date Acquired** 1/30/2025 9:45

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	117413171.5	129074413.2	11661241.7	**9.03**
Endrin aldehyde	6.92	3659175.428			
Endrin ketone	7.64	8002066.24			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	188020316.9	207033565.4	19013248.5	**9.18**
Endrin aldehyde #2	6.11	6650656.758			
Endrin ketone #2	6.84	12362591.75			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	207648822.3	213051061.6	5402239.35	**2.54**
4,4'-DDE	6.19	400968.797			
4,4'-DDD	6.71	5001270.555			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	387281860.1	395069838.1	7787978.04	**1.97**
4,4'-DDE #2	5.23	445694.375			
4,4'-DDD #2	5.78	7342283.668			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:45
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	58234433	66617739	21.626	20.409
28)	SA Decachlor...	9.056	7.910	48290710	77833771	23.084	22.212
	Target Compounds						
2)	A alpha-BHC	3.995	3.276	42788345	47848913	11.161	9.787
3)	MA gamma-BHC...	4.327	3.606	40826202	45132351	11.085	9.519
6)	B beta-BHC	4.525	3.907	18699204	22111250	11.634	11.070
12)	B 4,4'-DDE	6.192	5.229	400969	445694	0.165m	0.111m#
14)	MA Endrin	6.575	5.637	117.4E6	188.0E6	50.073	50.917
16)	A 4,4'-DDD	6.709	5.785	5001271	7342284	2.631m	2.326
17)	MA 4,4'-DDT	7.025	6.035	207.6E6	387.3E6	105.296	119.016
18)	B Endrin al...	6.925	6.110	3659175	6650657	1.882	2.184
20)	A Methoxychlor	7.501	6.610	257.7E6	460.9E6	246.964	257.769
21)	B Endrin ke...	7.643	6.837	8002066	12362592	3.172	2.947m

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

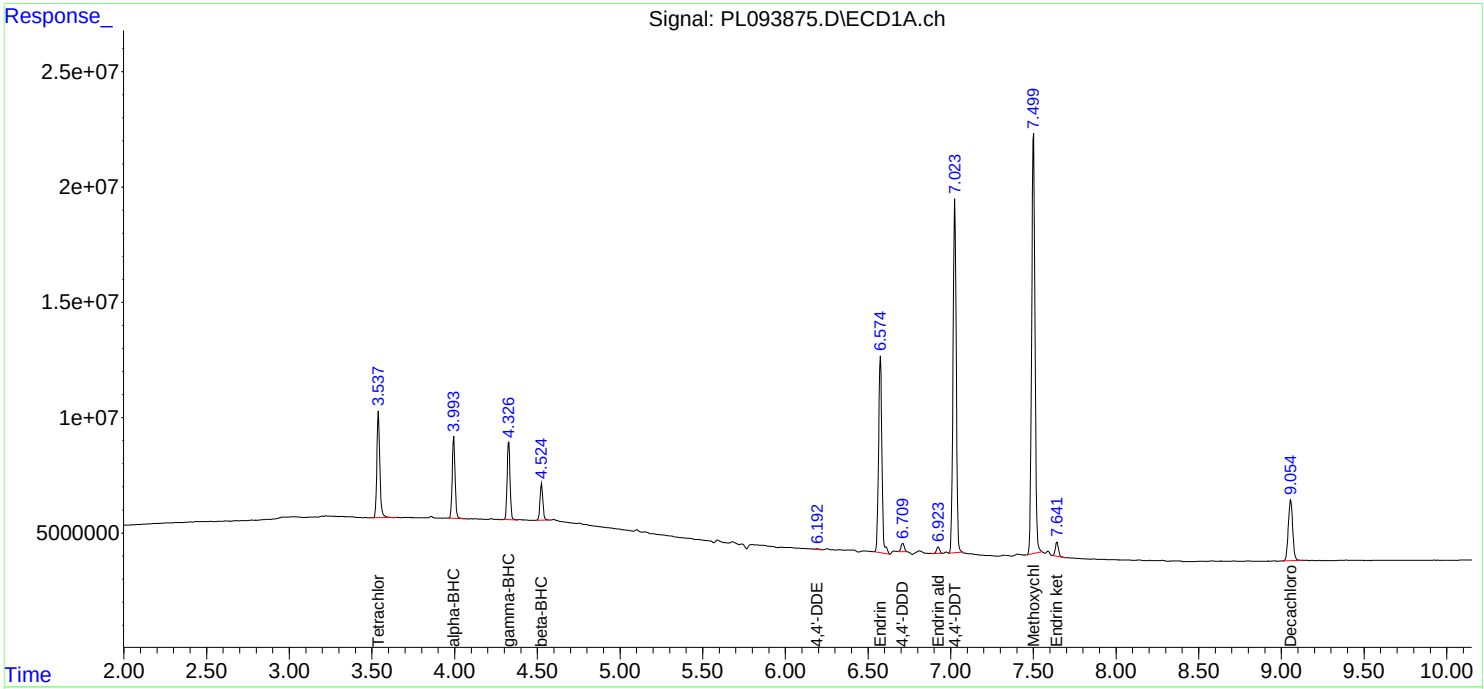
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093875.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:45
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

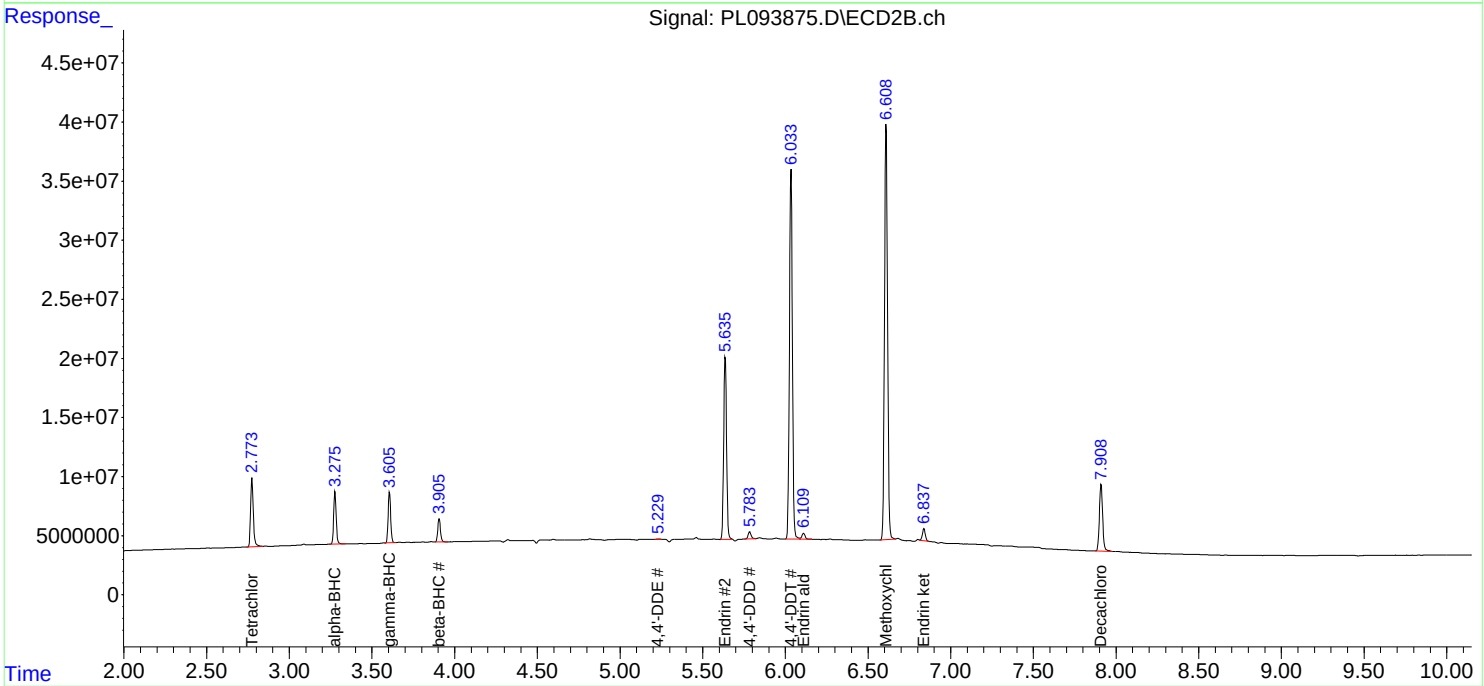
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

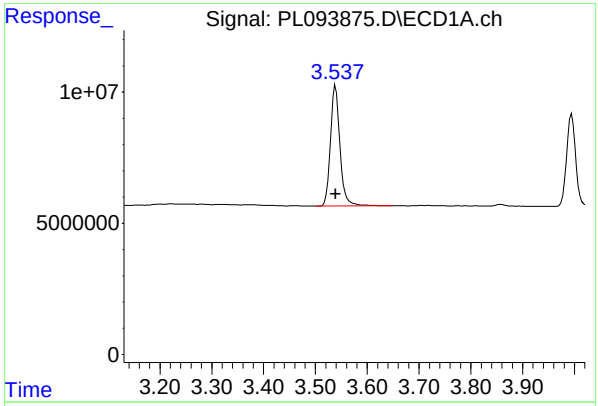
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025







#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 58234433
Conc: 21.63 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
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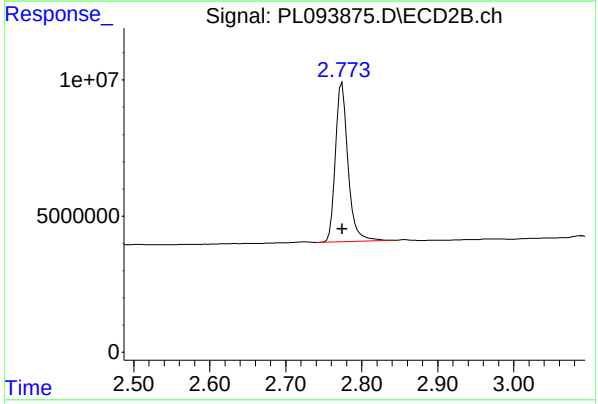
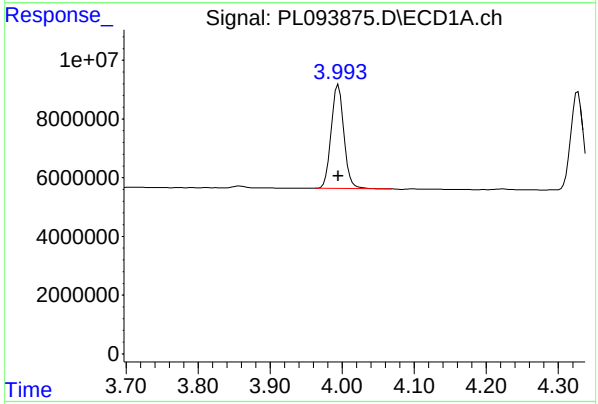


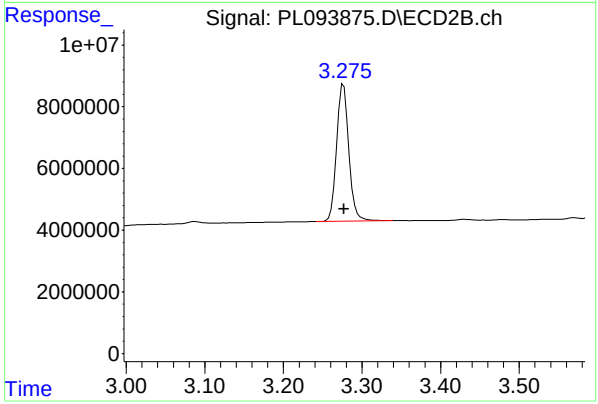
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 66617739
Conc: 20.41 ng/ml



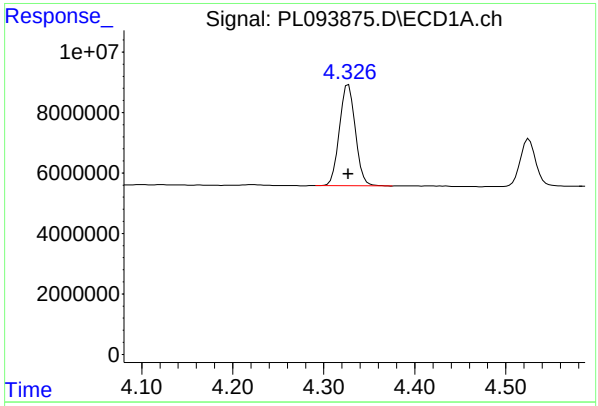
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 42788345
Conc: 11.16 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 47848913
Conc: 9.79 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 40826202
Conc: 11.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

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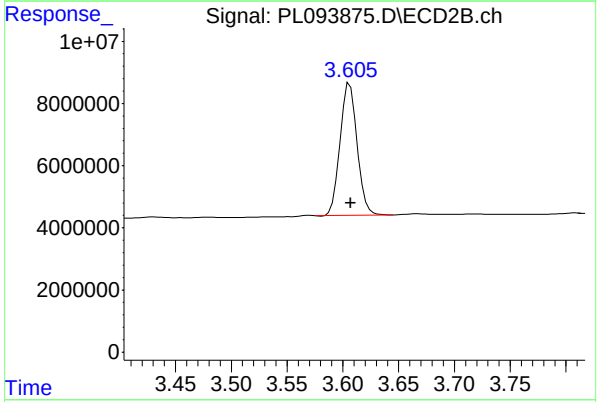
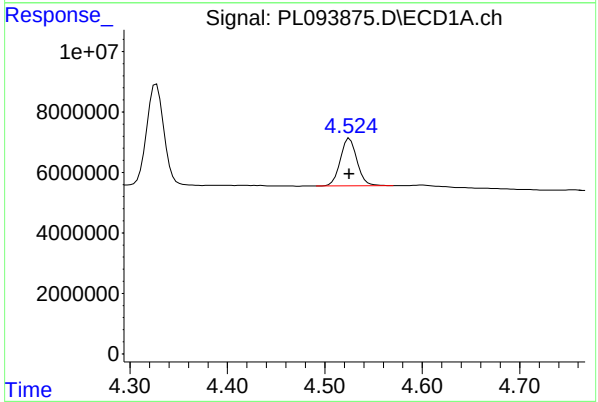


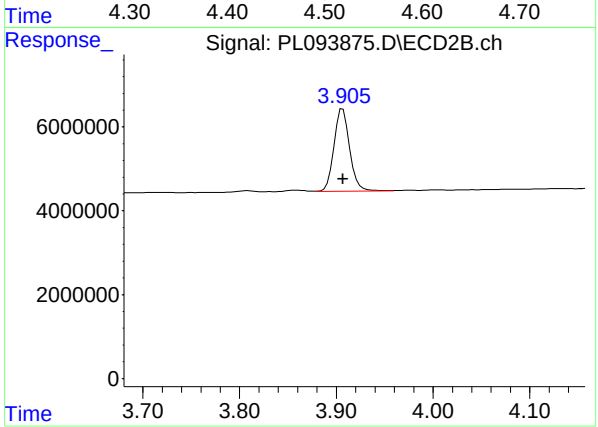
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 45132351
Conc: 9.52 ng/ml



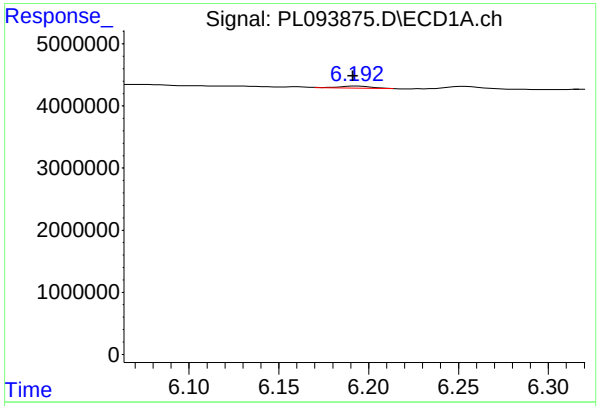
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 18699204
Conc: 11.63 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 22111250
Conc: 11.07 ng/ml



#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 mi
Response: 400969
Conc: 0.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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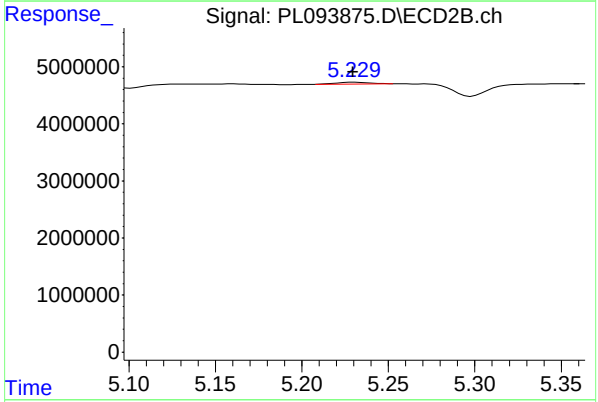
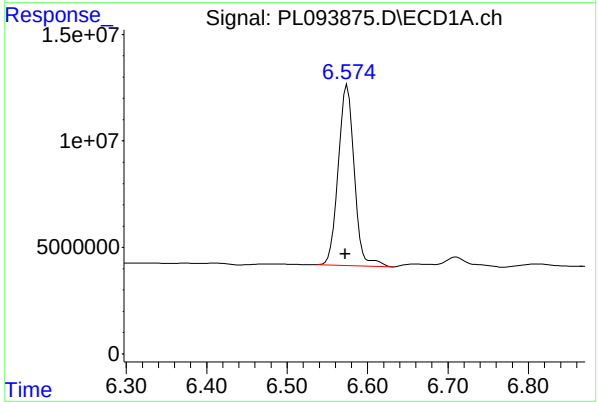


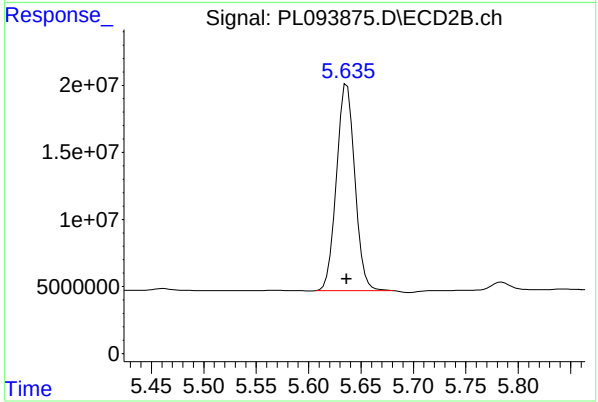
#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: -0.001 min
Response: 445694
Conc: 0.11 ng/ml m



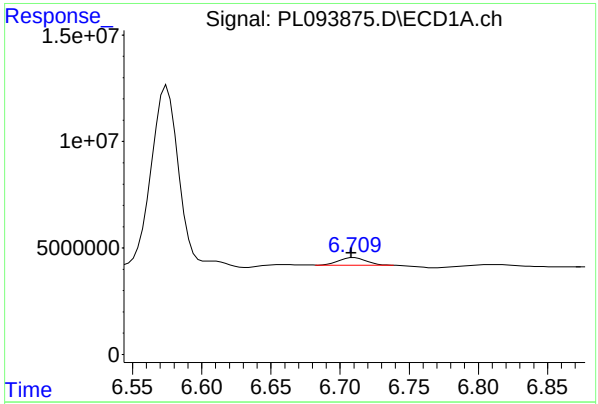
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.002 min
Response: 117413171
Conc: 50.07 ng/ml



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 188020317
Conc: 50.92 ng/ml



#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 5001271
Conc: 2.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
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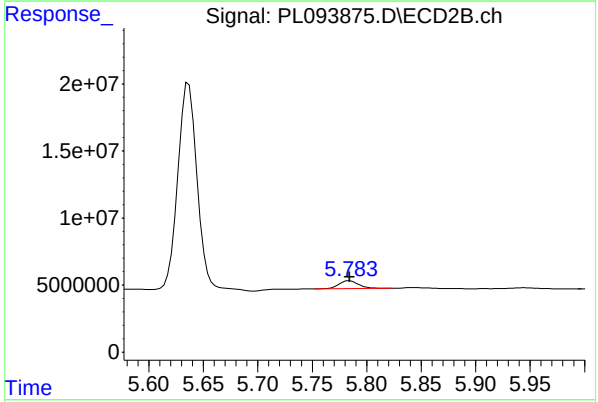
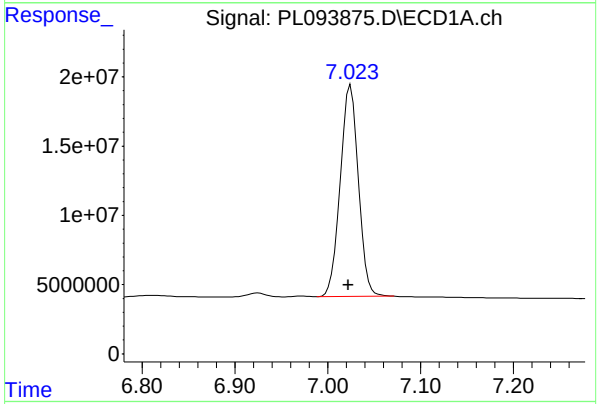


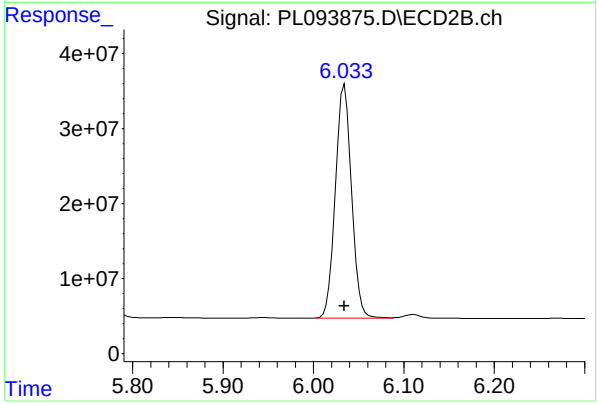
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 7342284
Conc: 2.33 ng/ml



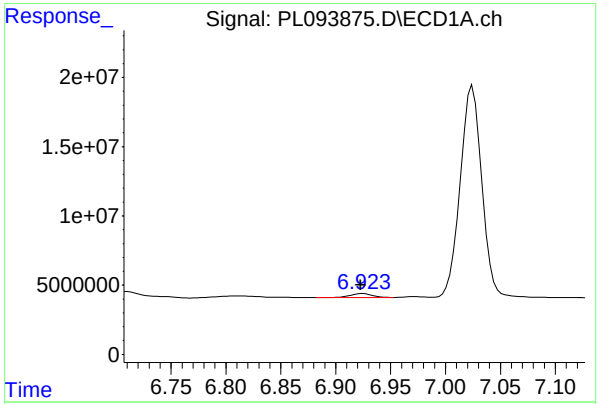
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.002 min
Response: 207648822
Conc: 105.30 ng/ml



#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 387281860
Conc: 119.02 ng/ml



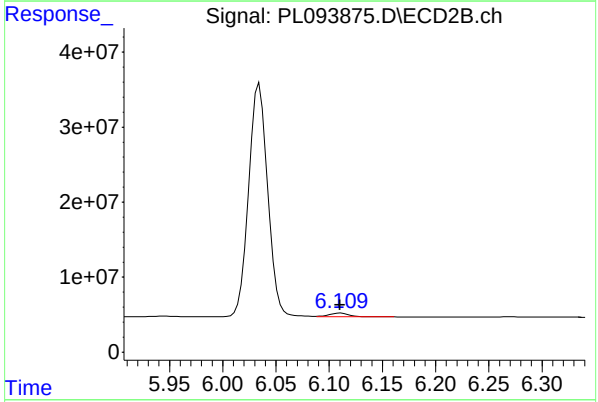
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 mi
Response: 3659175
Conc: 1.88 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

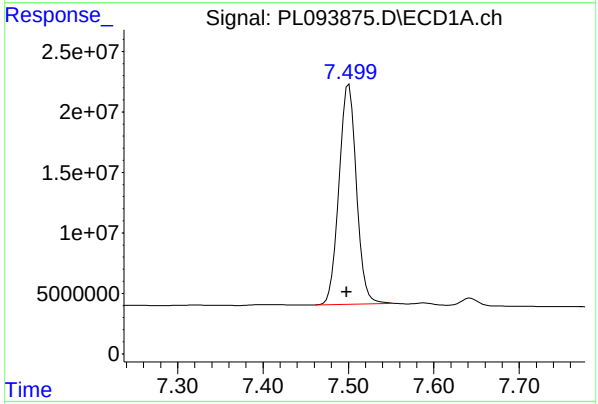
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



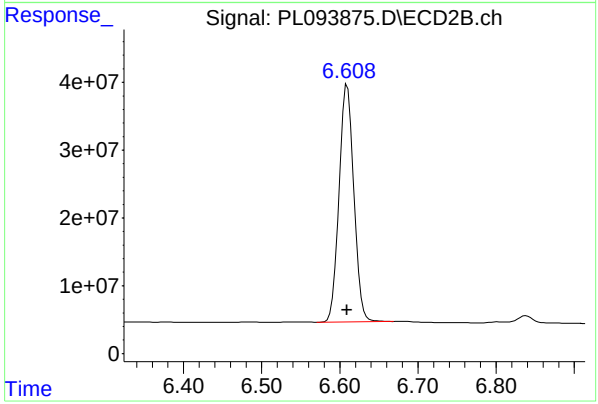
#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 6650657
Conc: 2.18 ng/ml



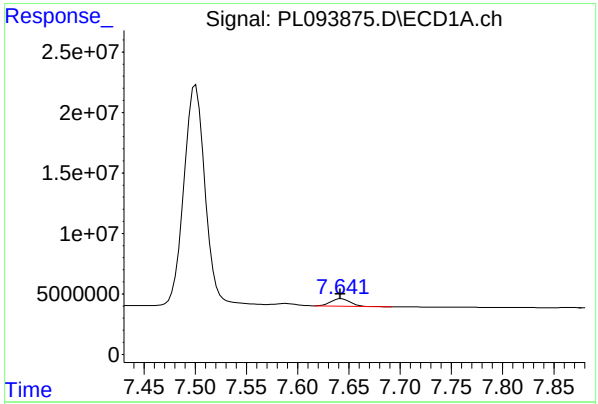
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 257681139
Conc: 246.96 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 460926471
Conc: 257.77 ng/ml



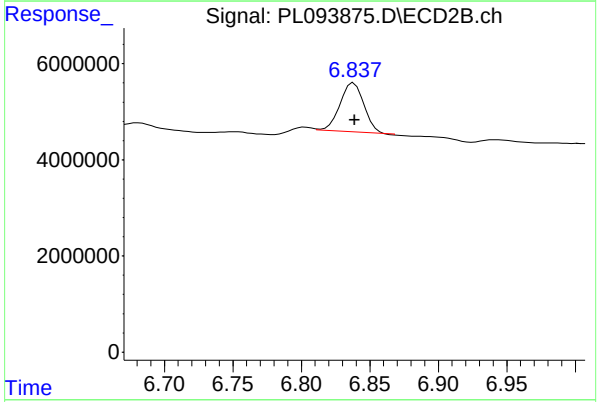
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 mi
Response: 8002066
Conc: 3.17 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

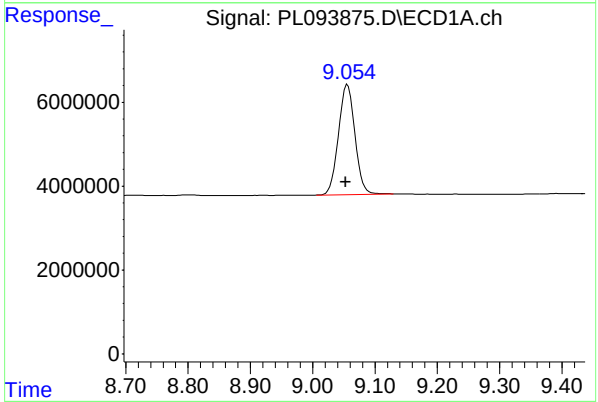
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



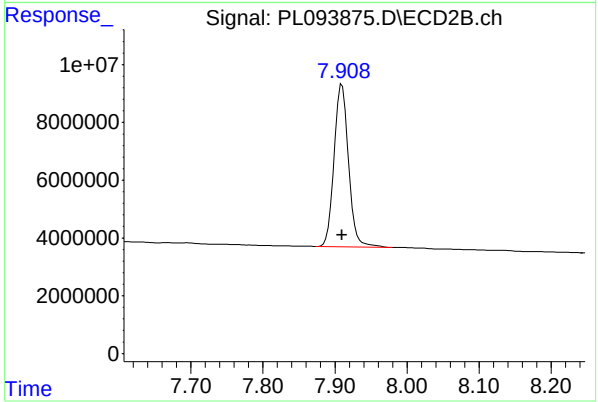
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 12362592
Conc: 2.95 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 48290710
Conc: 23.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 77833771
Conc: 22.21 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

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

Client Sample No. (PEM): PEM - PL093981.D **Date Analyzed:** 02/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:03

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	14.510	20.000	-27.5
Tetrachloro-m-xylene	3.540	3.490	3.590	18.660	20.000	-6.7
alpha-BHC	3.996	3.950	4.050	9.460	10.000	-5.4
beta-BHC	4.527	4.480	4.580	9.070	10.000	-9.3
gamma-BHC (Lindane)	4.329	4.280	4.380	9.100	10.000	-9.0
Endrin	6.574	6.500	6.640	37.910	50.000	-24.2
4,4'-DDT	7.025	6.950	7.100	80.590	100.000	-19.4
Methoxychlor	7.502	7.430	7.570	195.740	250.000	-21.7

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

Client Sample No. (PEM): PEM - PL093981.D **Date Analyzed:** 02/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:03

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.911	7.810	8.010	14.500	20.000	-27.5
Tetrachloro-m-xylene	2.775	2.720	2.830	18.090	20.000	-9.6
alpha-BHC	3.277	3.230	3.330	8.770	10.000	-12.3
beta-BHC	3.908	3.860	3.960	9.580	10.000	-4.2
gamma-BHC (Lindane)	3.607	3.560	3.660	7.660	10.000	-23.4
Endrin	5.638	5.570	5.710	37.350	50.000	-25.3
4,4'-DDT	6.035	5.960	6.110	88.620	100.000	-11.4
Methoxychlor	6.610	6.540	6.680	208.200	250.000	-16.7

PEM

Data File: PL093981.D **Date Acquired** 2/3/2025 11:03

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	88887109.15	96426958.01	7539848.86	**7.82**
Endrin aldehyde	6.92	2748230.029			
Endrin ketone	7.64	4791618.828			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	137927416.5	149720019.1	11792602.6	**7.88**
Endrin aldehyde #2	6.11	3259225.76			
Endrin ketone #2	6.84	8533376.875			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	158920913.5	158920913.5	0	**0.00**
4,4'-DDE	0.00	0			
4,4'-DDD	0.00	0			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	288383132.6	288383132.6	0	**0.00**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	0.00	0			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 11:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.775	50258420	59042017	18.664	18.088
28)	SA Decachlor...	9.056	7.911	30344810	50824880	14.506	14.505
	Target Compounds						
2)	A alpha-BHC	3.996	3.277	36276564	42871531	9.462	8.769
3)	MA gamma-BHC...	4.329	3.607	33523363	36301716	9.103	7.657
6)	B beta-BHC	4.527	3.908	14583143	19144363	9.073	9.584
14)	MA Endrin	6.574	5.638	88887109	137.9E6	37.908m	37.352
17)	MA 4,4'-DDT	7.025	6.035	158.9E6	288.4E6	80.586	88.623
18)	B Endrin al...	6.925	6.110	2748230	3259226	1.414	1.070
20)	A Methoxychlor	7.502	6.610	204.2E6	372.3E6	195.735	208.198
21)	B Endrin ke...	7.645	6.837	4791619	8533377	1.899	2.034m

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

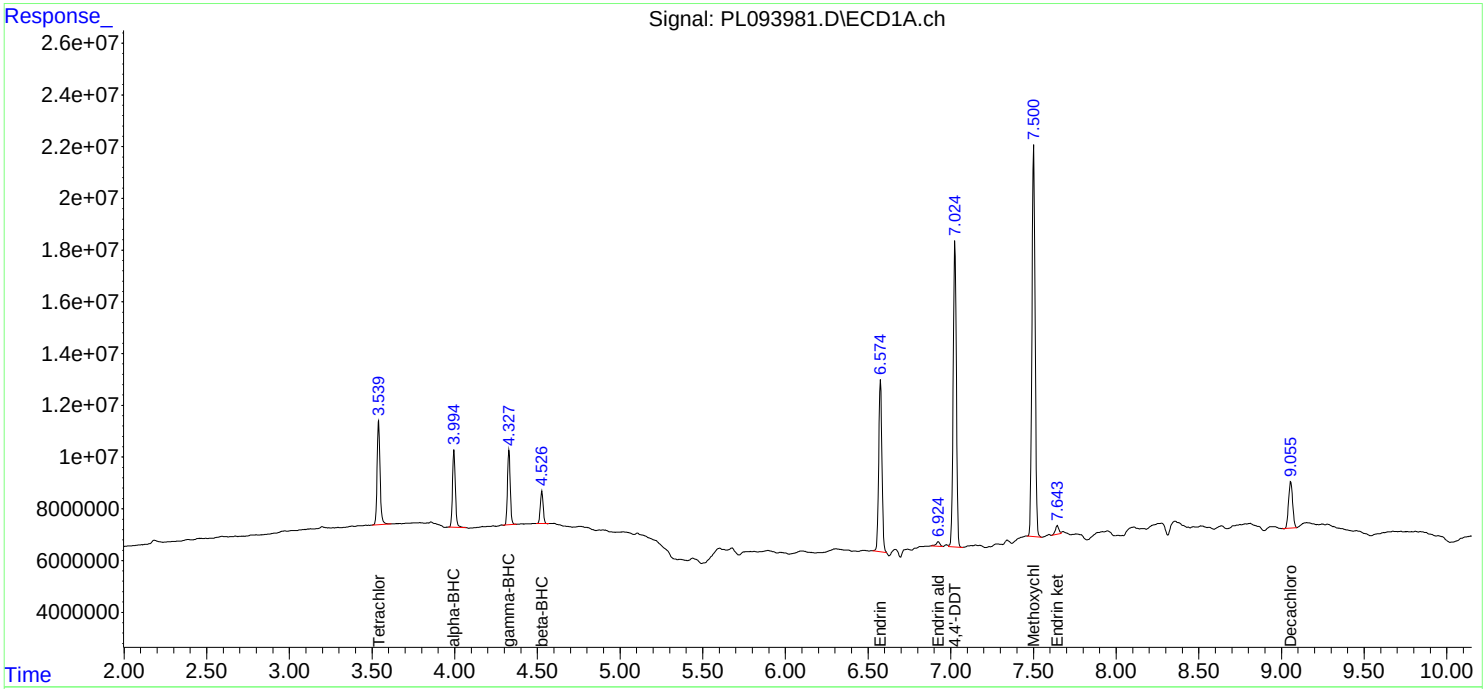
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 11:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

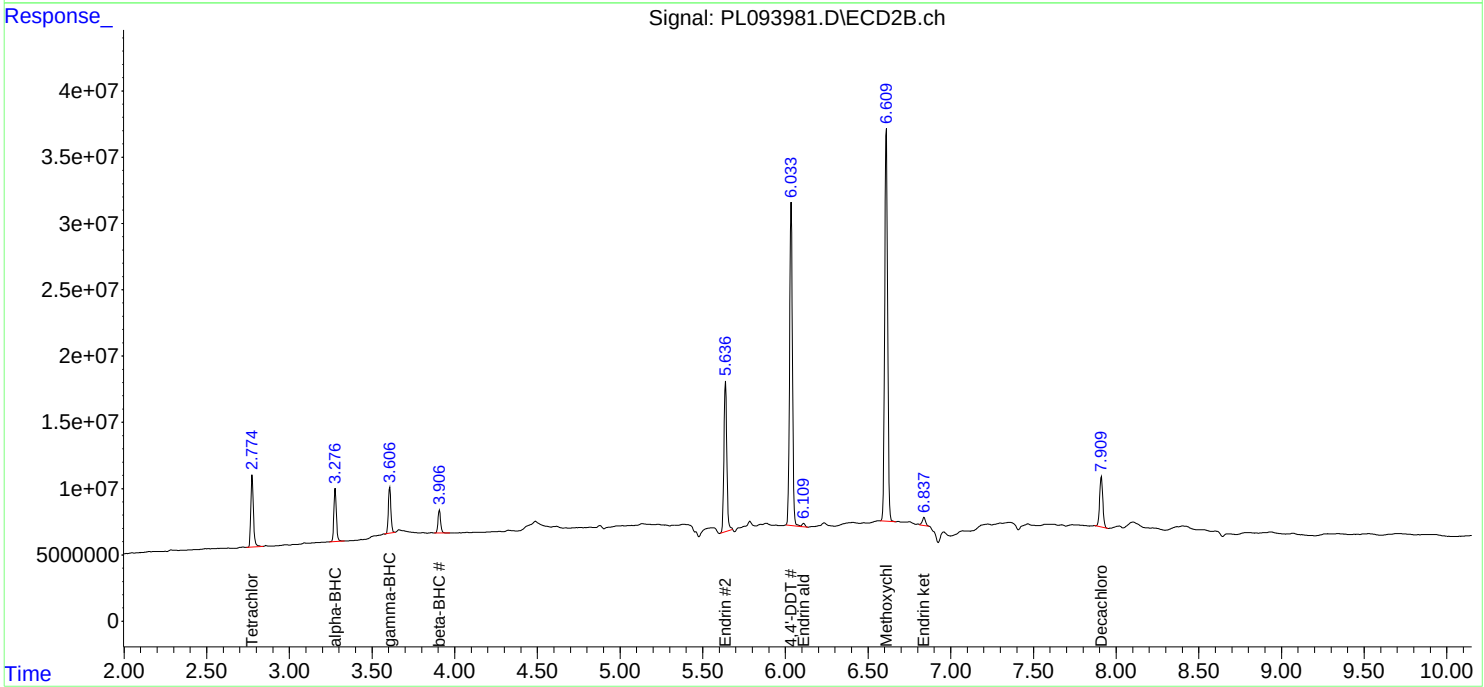
Instrument :
ECD_L
ClientSampleId :
PEM

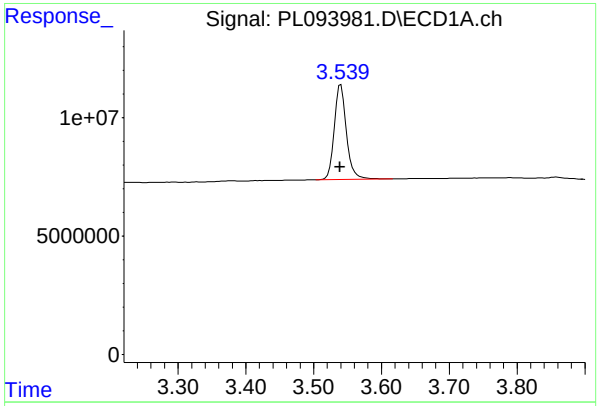
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:39:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







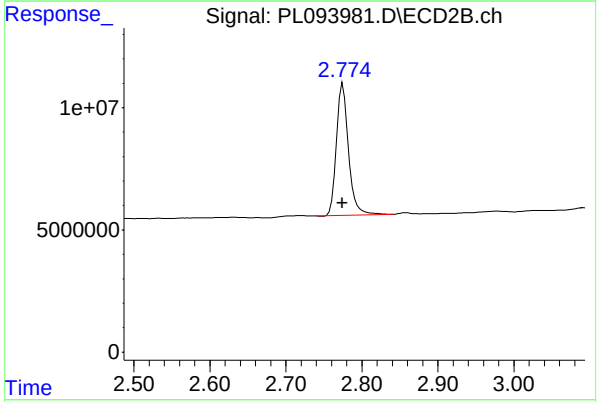
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 50258420
Conc: 18.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

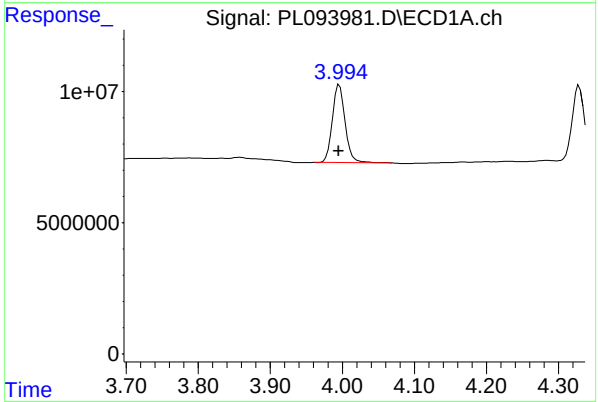
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



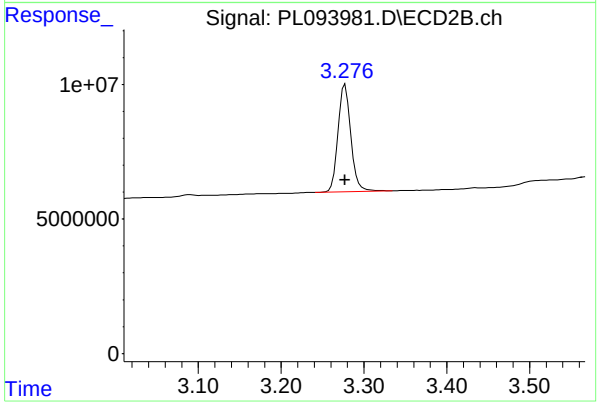
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 59042017
Conc: 18.09 ng/ml



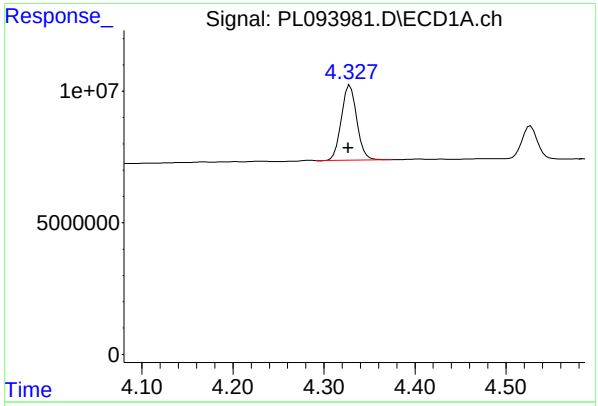
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 36276564
Conc: 9.46 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42871531
Conc: 8.77 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 33523363
Conc: 9.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

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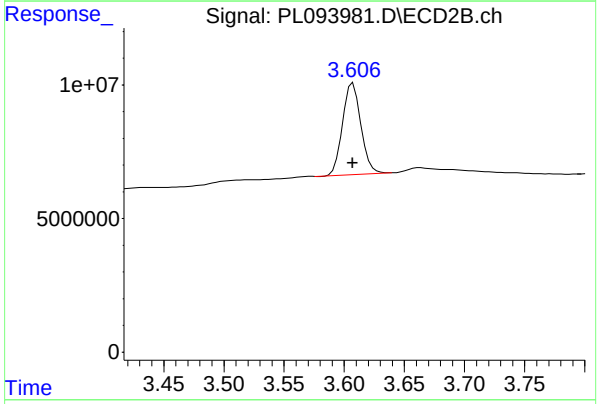
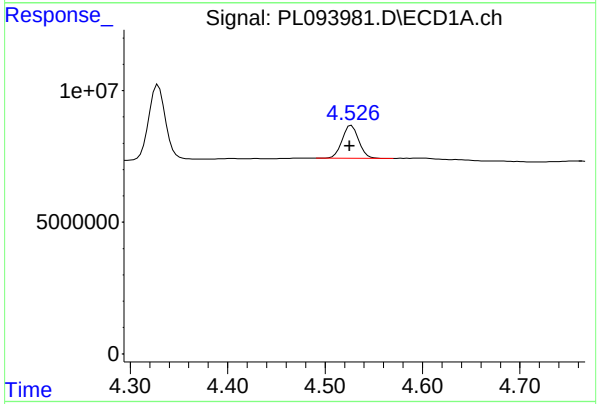


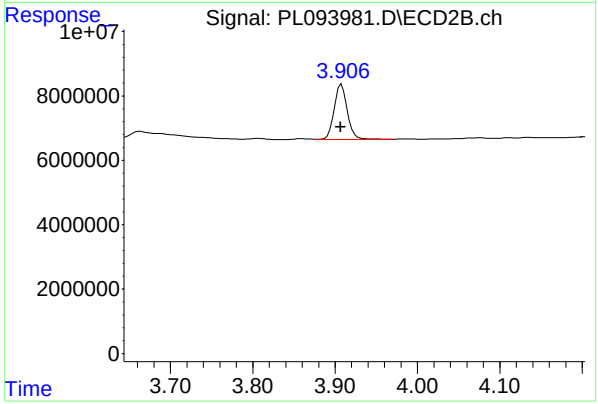
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 36301716
Conc: 7.66 ng/ml



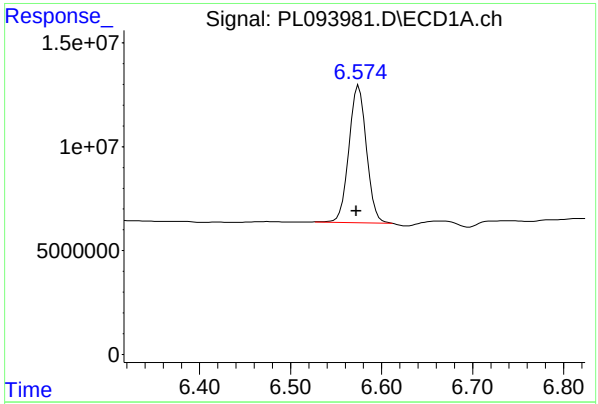
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 14583143
Conc: 9.07 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 19144363
Conc: 9.58 ng/ml



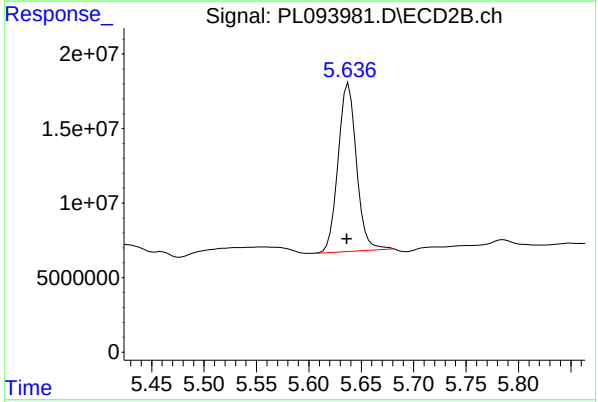
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.001 min
Response: 88887109
Conc: 37.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

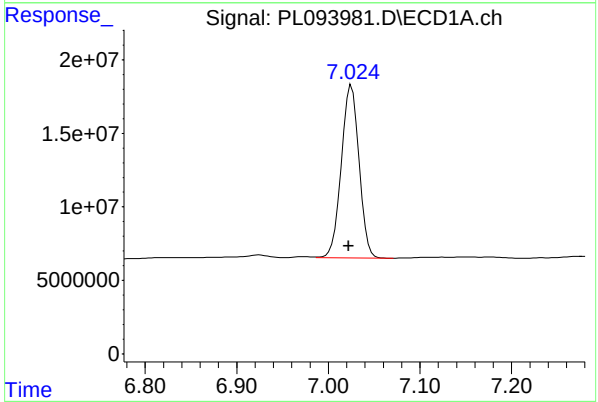
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



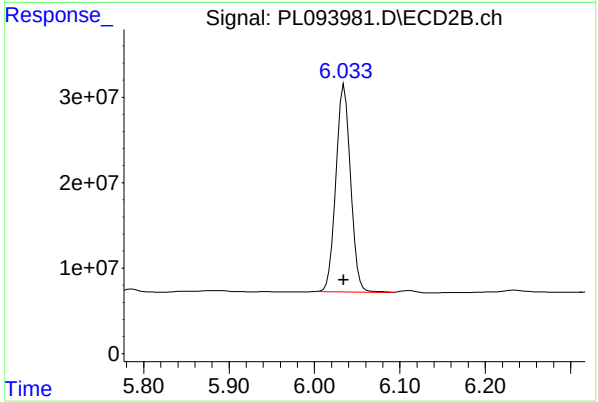
#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 137927416
Conc: 37.35 ng/ml



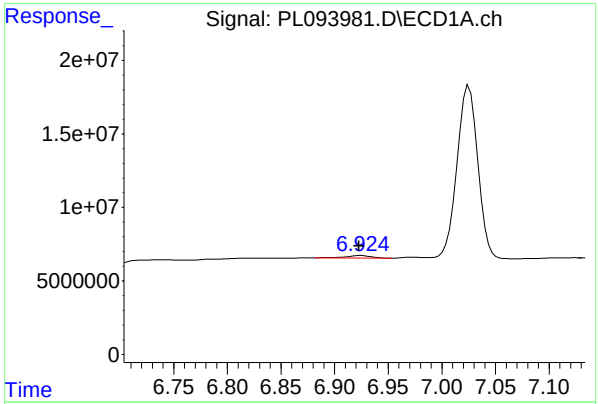
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.003 min
Response: 158920914
Conc: 80.59 ng/ml



#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 288383133
Conc: 88.62 ng/ml



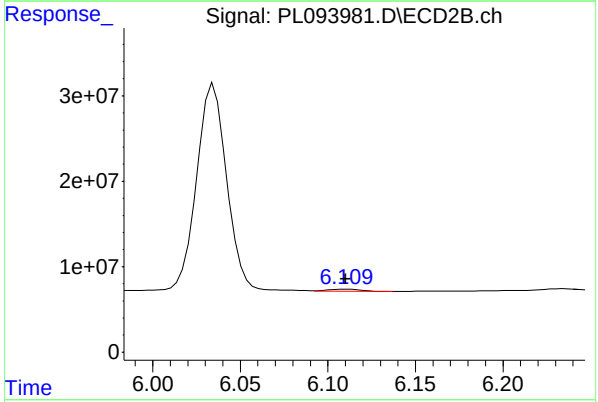
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 2748230
Conc: 1.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

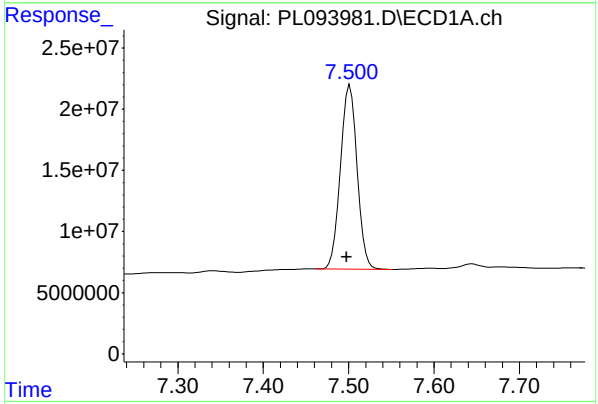
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



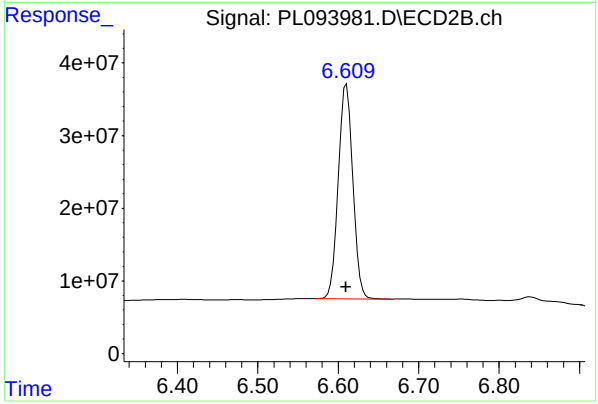
#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 3259226
Conc: 1.07 ng/ml



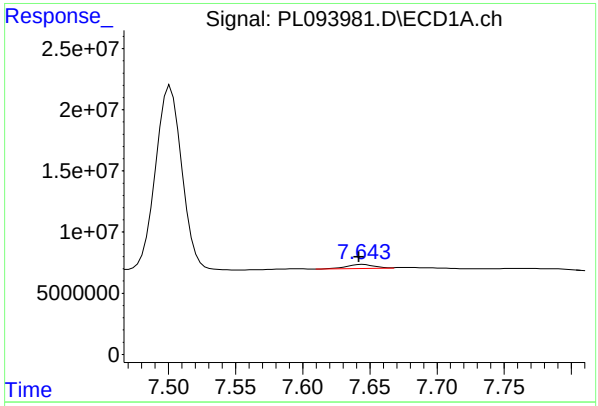
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 204229502
Conc: 195.74 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.001 min
Response: 372286643
Conc: 208.20 ng/ml



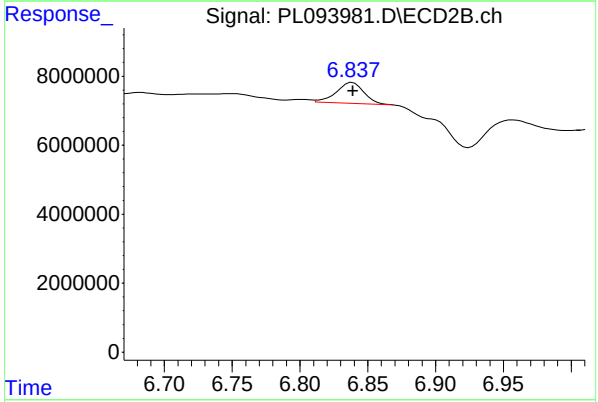
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 mi
Response: 4791619
Conc: 1.90 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

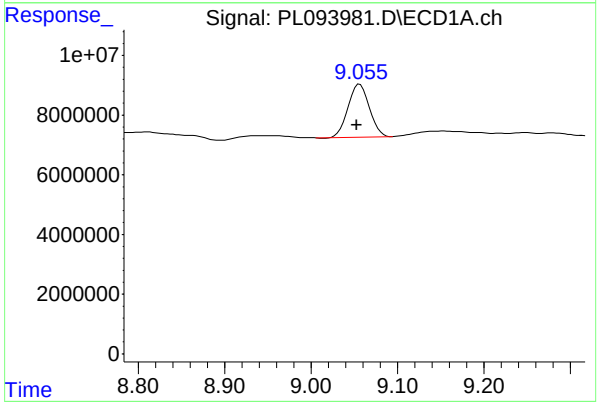
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



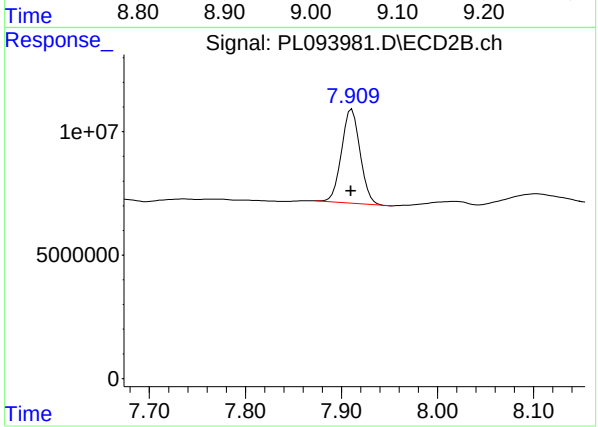
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 8533377
Conc: 2.03 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 30344810
Conc: 14.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 50824880
Conc: 14.50 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Title : GC Extractables
Last Update : Tue Jan 21 14:02:23 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.539	5.939	100.00%
5.939	6.068	100.00%
6.068	6.191	100.00%
6.191	6.343	100.00%
6.343	7.157	100.00%
7.157	7.499	100.00%
7.499	7.642	100.00%
7.642	9.053	100.00%

Signal #2

2.774	4.977	100.00%
4.977	5.097	100.00%
5.097	5.230	100.00%
5.230	5.361	100.00%
5.361	6.333	100.00%
6.333	6.609	100.00%
6.609	6.838	100.00%
6.838	7.910	100.00%

PL012125.M Tue Jan 21 14:11:38 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	48739758	56764042	18.100	17.390
28)	SA Decachlor...	9.053	7.910	37826748	61983547	18.082	17.689
	Target Compounds						
9)	A Endosulfan I	6.068	5.097	24505533	31106405	9.272	8.023
10)	B gamma-Chl...	5.939	4.977	26686746	36721665	9.574	8.666
12)	B 4,4'-DDE	6.191	5.230	45047667	71134812	18.503	17.742
13)	MA Dieldrin	6.343	5.361	50553851	73721045	18.212	17.162
19)	B Endosulfa...	7.157	6.333	42219467	62907773	18.650	17.641
20)	A Methoxychlor	7.499	6.609	83993166	151.6E6	80.500	84.806
21)	B Endrin ke...	7.642	6.838	44318803	70010295	17.569	16.688

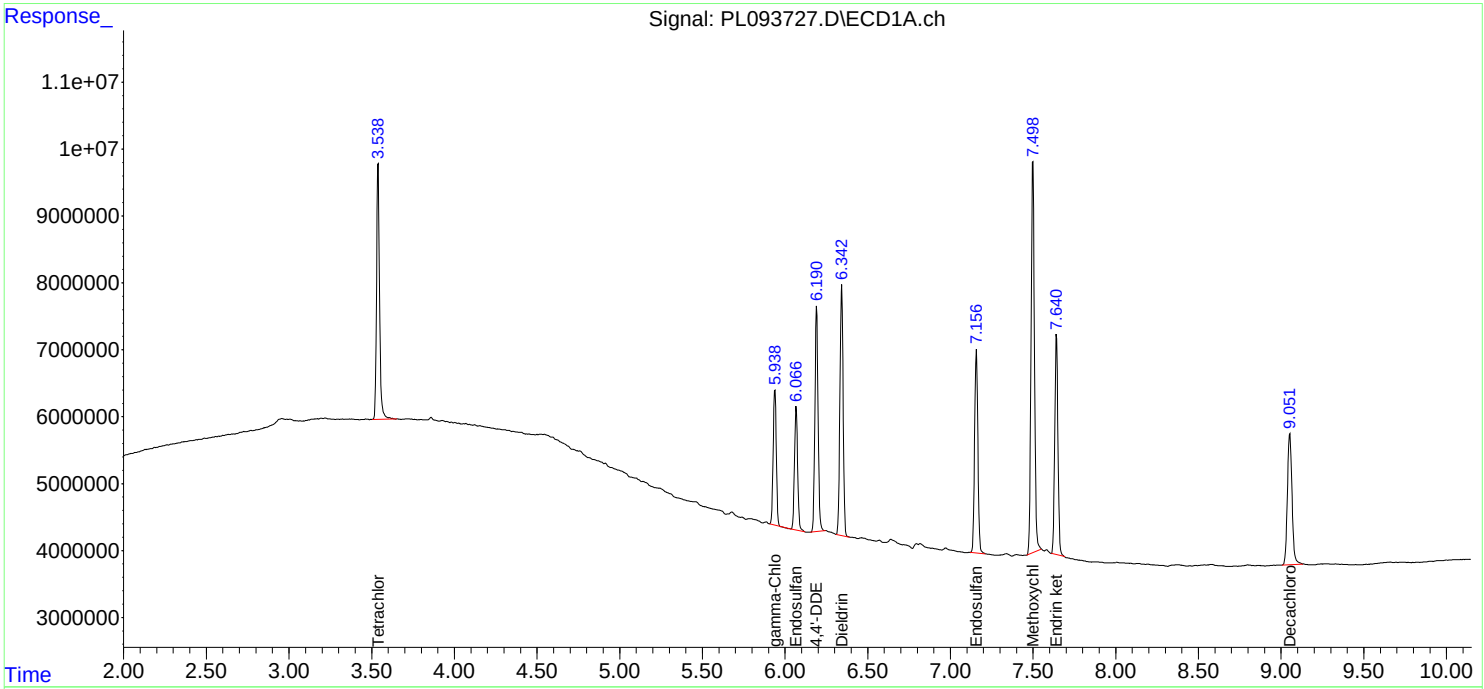
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

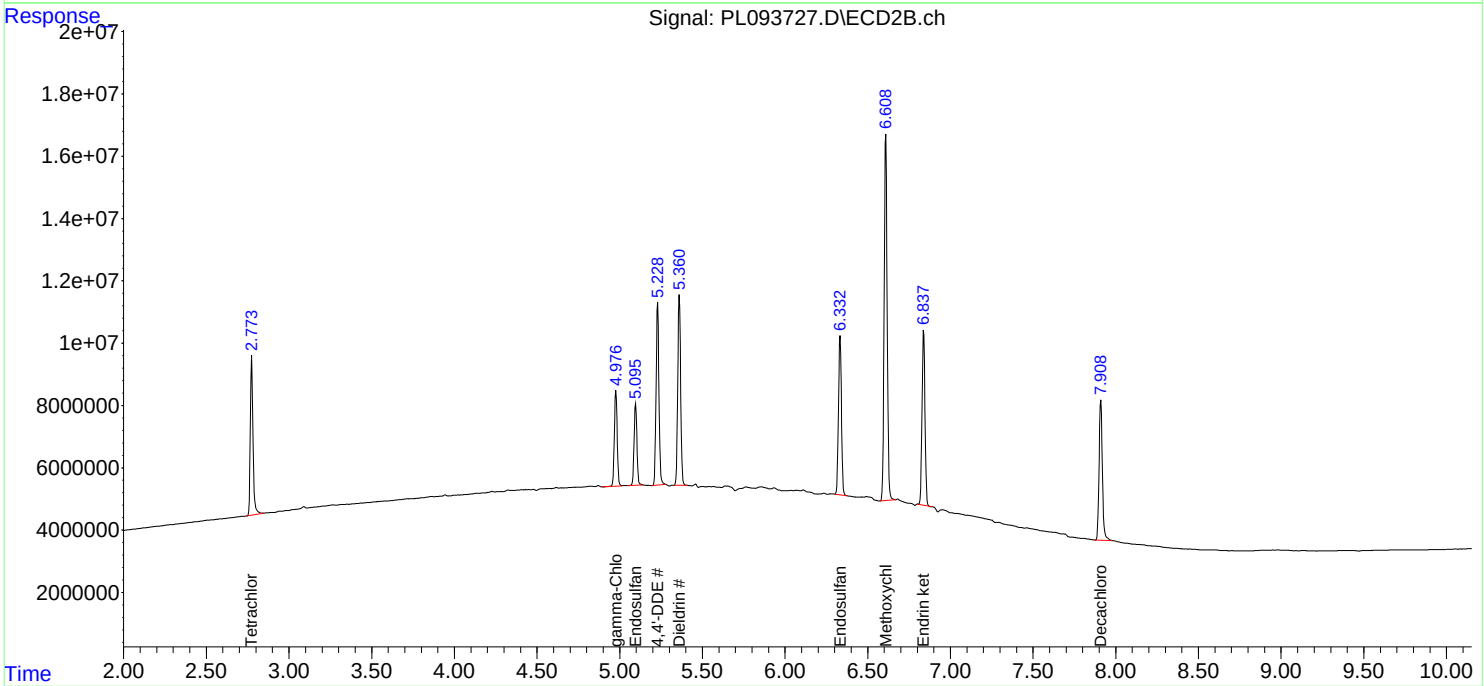
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

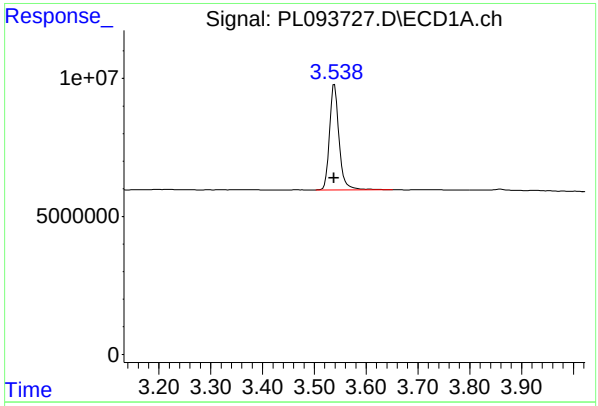
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



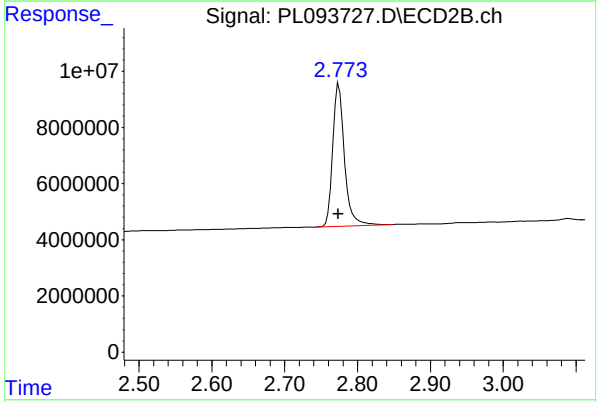




#1 Tetrachloro-m-xylene

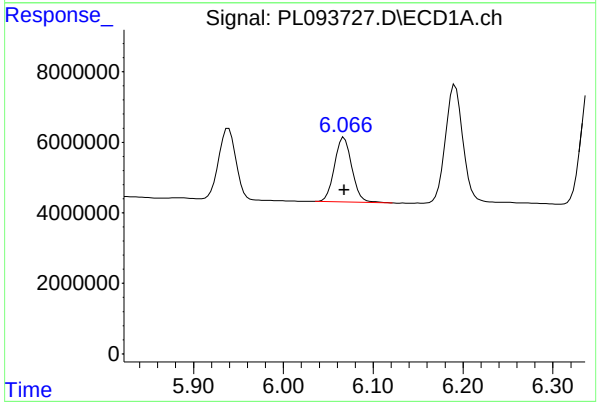
R.T.: 3.539 min
Delta R.T.: 0.001 mi
Response: 48739758
Conc: 18.10 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



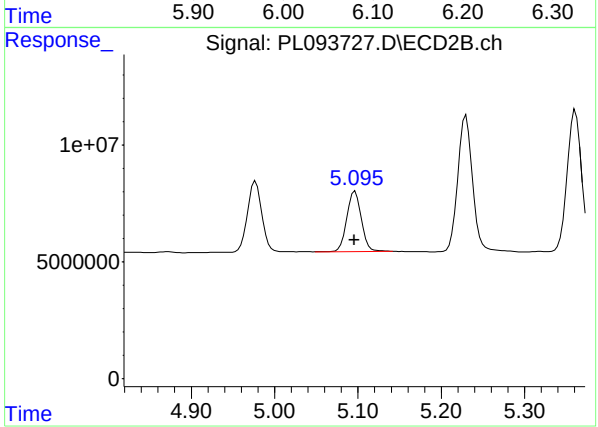
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 56764042
Conc: 17.39 ng/ml



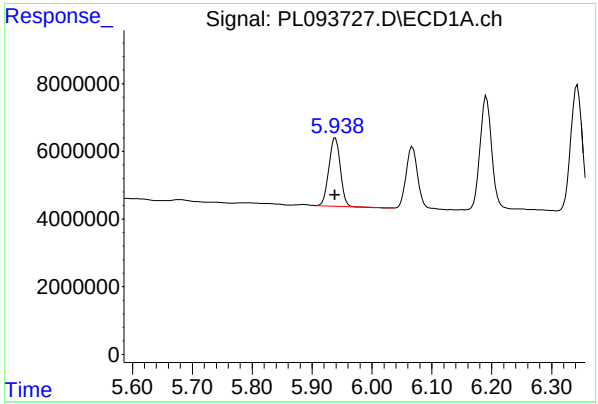
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 24505533
Conc: 9.27 ng/ml



#9 Endosulfan I

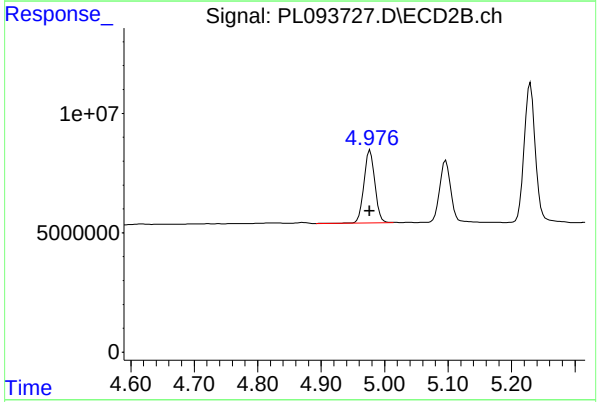
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

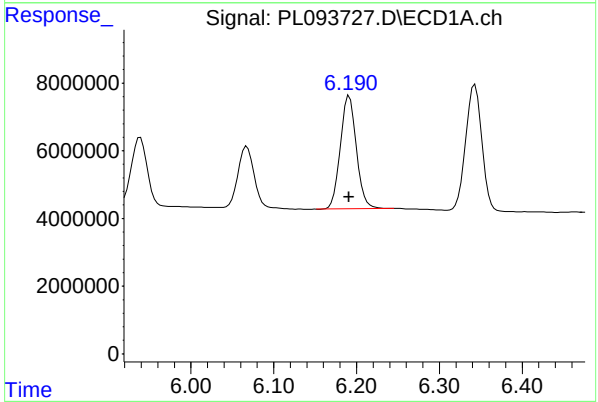
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



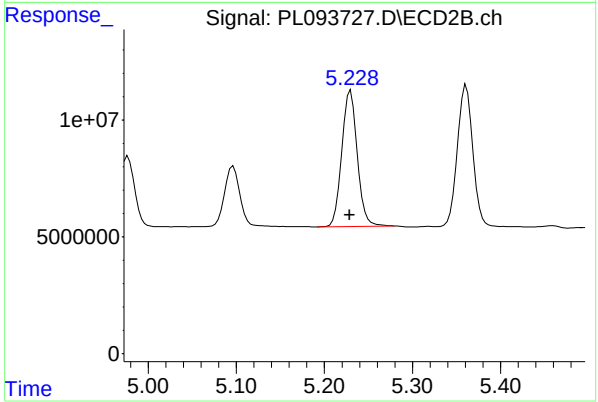
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 36721665
Conc: 8.67 ng/ml



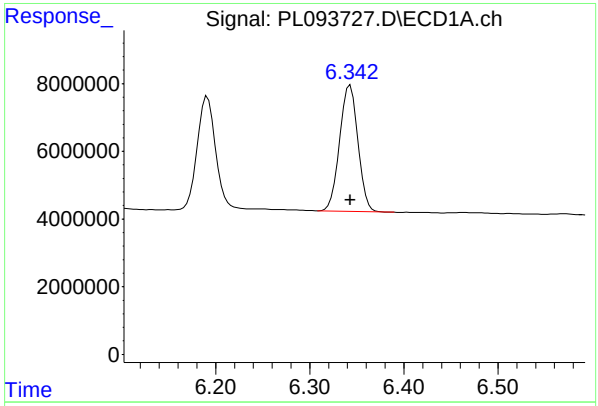
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 45047667
Conc: 18.50 ng/ml



#12 4,4'-DDE

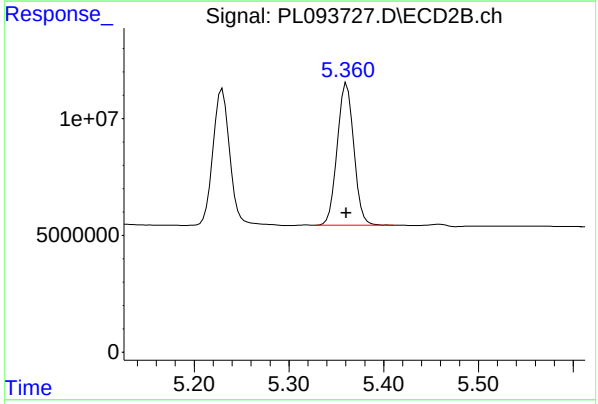
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

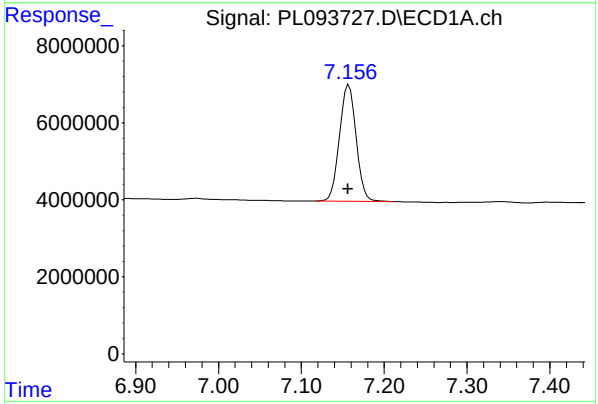
R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 50553851
Conc: 18.21 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



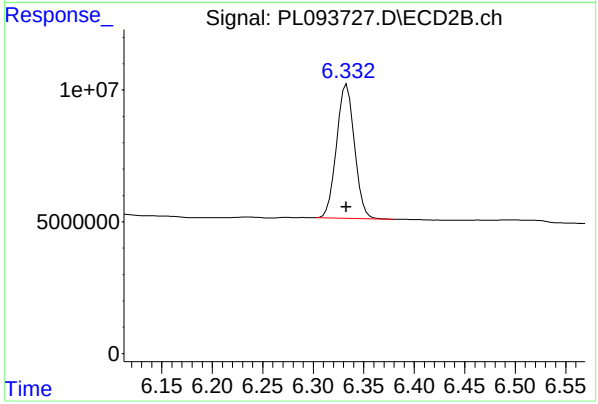
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 73721045
Conc: 17.16 ng/ml



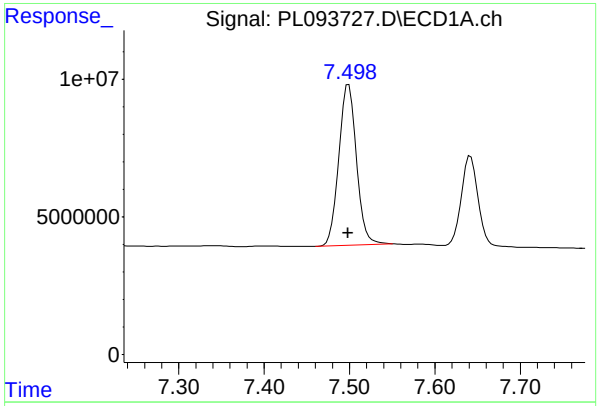
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.001 min
Response: 42219467
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

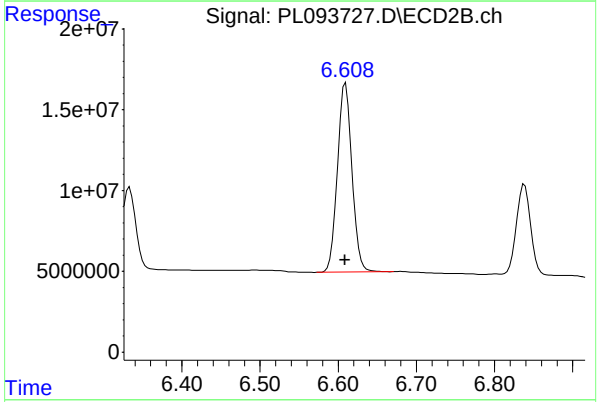
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

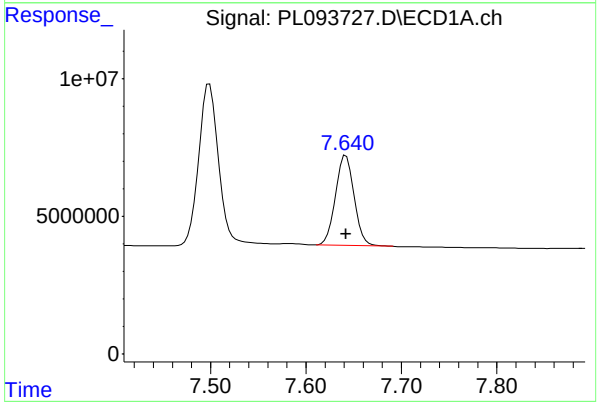
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



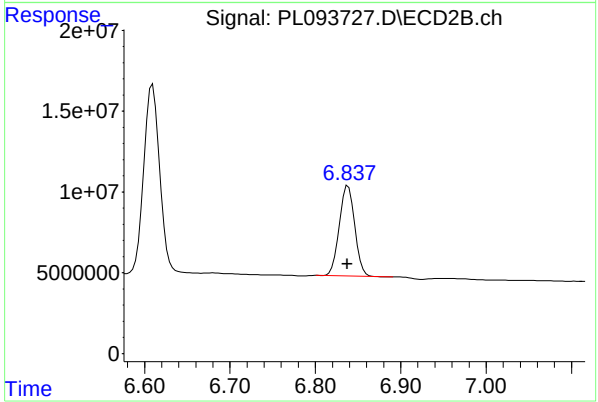
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 151645256
Conc: 84.81 ng/ml



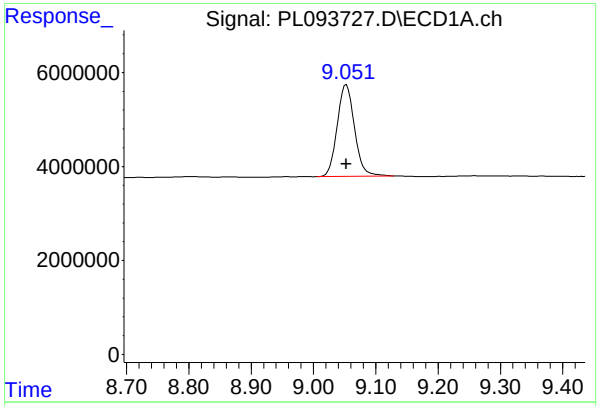
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 44318803
Conc: 17.57 ng/ml



#21 Endrin ketone

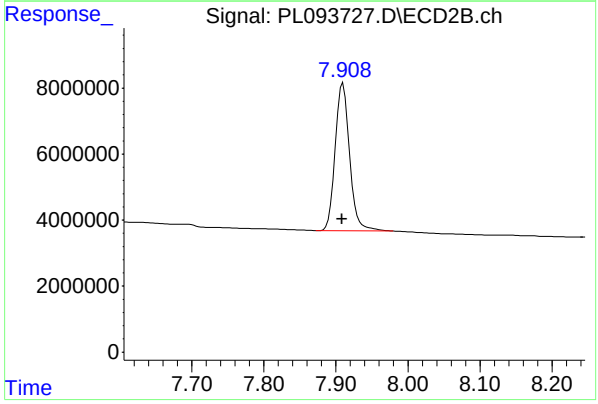
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 37826748
Conc: 18.08 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 61983547
Conc: 17.69 ng/ml

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1206

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_L

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

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	9.05	3.54
PEM	PEM	01/21/2025	10:30	PL093726.D	9.05	3.54
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	9.05	3.54
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	9.05	3.54
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	9.05	3.54
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	9.05	3.54
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	9.05	3.54
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	9.05	3.54
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	9.05	3.54
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	9.05	3.54
PEM	PEM	01/29/2025	10:10	PL093842.D	9.06	3.54
I.BLK	I.BLK	01/29/2025	16:17	PL093853.D	9.07	3.54
PSTDCCC050	PSTDCCC050	01/29/2025	16:30	PL093854.D	9.06	3.54
PB166353BL	PB166353BL	01/29/2025	17:36	PL093857.D	9.06	3.54
PB166318TB	PB166318TB	01/29/2025	18:05	PL093859.D	9.06	3.54
I.BLK	I.BLK	01/29/2025	18:58	PL093863.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/29/2025	19:11	PL093864.D	9.06	3.54
I.BLK	I.BLK	01/30/2025	09:31	PL093874.D	9.06	3.54
PEM	PEM	01/30/2025	09:45	PL093875.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/30/2025	09:58	PL093876.D	9.06	3.54
PB166353BS	PB166353BS	01/30/2025	13:24	PL093886.D	9.06	3.54
I.BLK	I.BLK	01/30/2025	13:40	PL093887.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/30/2025	13:53	PL093888.D	9.06	3.54
JPP-16.3-012725	Q1206-08	01/30/2025	14:51	PL093890.D	9.05	3.54
I.BLK	I.BLK	01/30/2025	17:59	PL093904.D	9.05	3.54
PSTDCCC050	PSTDCCC050	01/30/2025	19:06	PL093906.D	9.05	3.54
I.BLK	I.BLK	02/03/2025	09:14	PL093980.D	9.06	3.54
PEM	PEM	02/03/2025	11:03	PL093981.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/03/2025	12:17	PL093982.D	9.06	3.54
JPP-20.1-012725	Q1206-04	02/03/2025	14:50	PL093990.D	9.06	3.54
JPP-20.1-012725MS	Q1206-04MS	02/03/2025	15:04	PL093991.D	9.06	3.54
JPP-20.1-012725MSD	Q1206-04MSD	02/03/2025	15:22	PL093992.D	9.06	3.54
I.BLK	I.BLK	02/03/2025	16:55	PL093999.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/03/2025	17:50	PL094001.D	9.06	3.54

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

Analytical Sequence

Client: RU2 Engineering, LLC **SDG No.:** Q1206

Project: NYCDDC SANTWOBR Brooklyn Bridge BI **Instrument ID:** ECD_L

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

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	7.91	2.78
PEM	PEM	01/21/2025	10:30	PL093726.D	7.91	2.78
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	7.91	2.77
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	7.91	2.78
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	7.91	2.77
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	7.91	2.77
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	7.91	2.77
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	7.91	2.77
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	7.91	2.77
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	7.91	2.77
PEM	PEM	01/29/2025	10:10	PL093842.D	7.91	2.77
I.BLK	I.BLK	01/29/2025	16:17	PL093853.D	7.92	2.77
PSTDCCC050	PSTDCCC050	01/29/2025	16:30	PL093854.D	7.91	2.77
PB166353BL	PB166353BL	01/29/2025	17:36	PL093857.D	7.91	2.78
PB166318TB	PB166318TB	01/29/2025	18:05	PL093859.D	7.91	2.78
I.BLK	I.BLK	01/29/2025	18:58	PL093863.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/29/2025	19:11	PL093864.D	7.91	2.78
I.BLK	I.BLK	01/30/2025	09:31	PL093874.D	7.91	2.77
PEM	PEM	01/30/2025	09:45	PL093875.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/30/2025	09:58	PL093876.D	7.91	2.77
PB166353BS	PB166353BS	01/30/2025	13:24	PL093886.D	7.91	2.77
I.BLK	I.BLK	01/30/2025	13:40	PL093887.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/30/2025	13:53	PL093888.D	7.91	2.77
JPP-16.3-012725	Q1206-08	01/30/2025	14:51	PL093890.D	7.91	2.77
I.BLK	I.BLK	01/30/2025	17:59	PL093904.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/30/2025	19:06	PL093906.D	7.91	2.77
I.BLK	I.BLK	02/03/2025	09:14	PL093980.D	7.91	2.78
PEM	PEM	02/03/2025	11:03	PL093981.D	7.91	2.78
PSTDCCC050	PSTDCCC050	02/03/2025	12:17	PL093982.D	7.91	2.77
JPP-20.1-012725	Q1206-04	02/03/2025	14:50	PL093990.D	7.91	2.77
JPP-20.1-012725MS	Q1206-04MS	02/03/2025	15:04	PL093991.D	7.91	2.78
JPP-20.1-012725MSD	Q1206-04MSD	02/03/2025	15:22	PL093992.D	7.91	2.78
I.BLK	I.BLK	02/03/2025	16:55	PL093999.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/03/2025	17:50	PL094001.D	7.91	2.77

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-20.1-012725MS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Lab Sample ID: Q1206-04MS **Date(s) Analyzed:** 02/03/2025 02/03/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	5.70	7.3
	2	6.61	6.56	6.66	5.30	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.80	1.7
	2	3.61	3.56	3.66	5.70	
Heptachlor	1	4.92	4.87	4.97	5.80	3.5
	2	3.95	3.90	4.00	5.60	
Heptachlor epoxide	1	5.68	5.63	5.73	5.50	7
	2	4.73	4.68	4.78	5.90	
Endrin	1	6.57	6.52	6.62	5.90	1.7
	2	5.64	5.59	5.69	6.00	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-20.1-012725MSD

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Lab Sample ID: Q1206-04MSD **Date(s) Analyzed:** 02/03/2025 02/03/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	6.00	1.7
	2	6.61	6.56	6.66	6.10	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.70	1.8
	2	3.61	3.56	3.66	5.60	
Heptachlor	1	4.92	4.87	4.97	5.70	3.6
	2	3.95	3.90	4.00	5.50	
Heptachlor epoxide	1	5.69	5.64	5.74	5.30	9
	2	4.73	4.68	4.78	5.80	
Endrin	1	6.58	6.53	6.63	5.70	10
	2	5.64	5.59	5.69	6.30	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166353BS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1206 **SAS No.:** Q1206 **SDG NO.:** Q1206

Lab Sample ID: PB166353BS **Date(s) Analyzed:** 01/30/2025 01/30/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	0.50	0.4
	2	6.61	6.56	6.66	0.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.47	0.3
	2	3.61	3.56	3.66	0.46	
Heptachlor	1	4.92	4.87	4.97	0.49	0.9
	2	3.95	3.90	4.00	0.49	
Heptachlor epoxide	1	5.69	5.64	5.74	0.47	3.4
	2	4.73	4.68	4.78	0.49	
Endrin	1	6.58	6.53	6.63	0.47	3.8
	2	5.64	5.59	5.69	0.48	

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166353BL	SDG No.:	Q1206
Lab Sample ID:	PB166353BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093857.D	1	01/29/25 11:20	01/29/25 17:36	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.2		43 - 140	136%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.7		77 - 126	119%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 17:36
Operator : AR\AJ
Sample : PB166353BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166353BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	63917879	72704199	23.737	22.274
28)	SA Decachlor...	9.060	7.914	56851838	91867767	27.177	26.217
	Target Compounds						

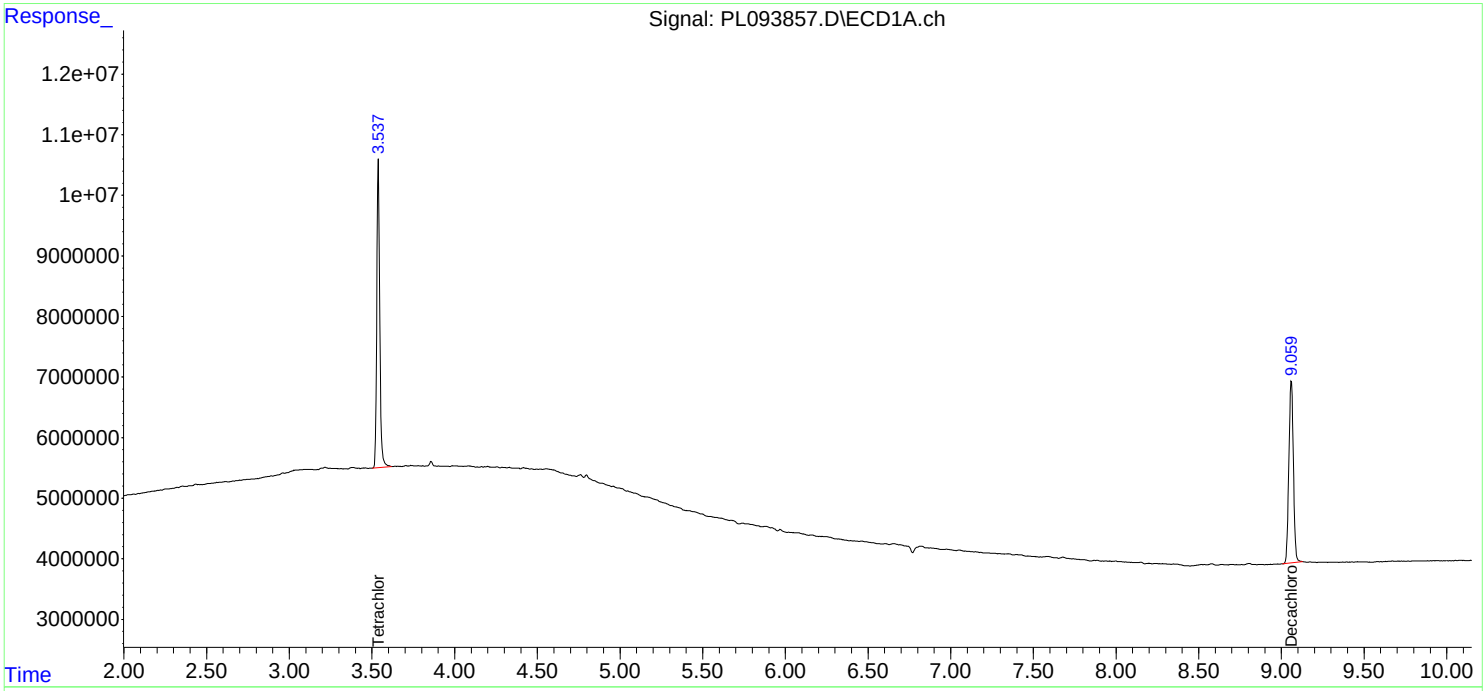
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

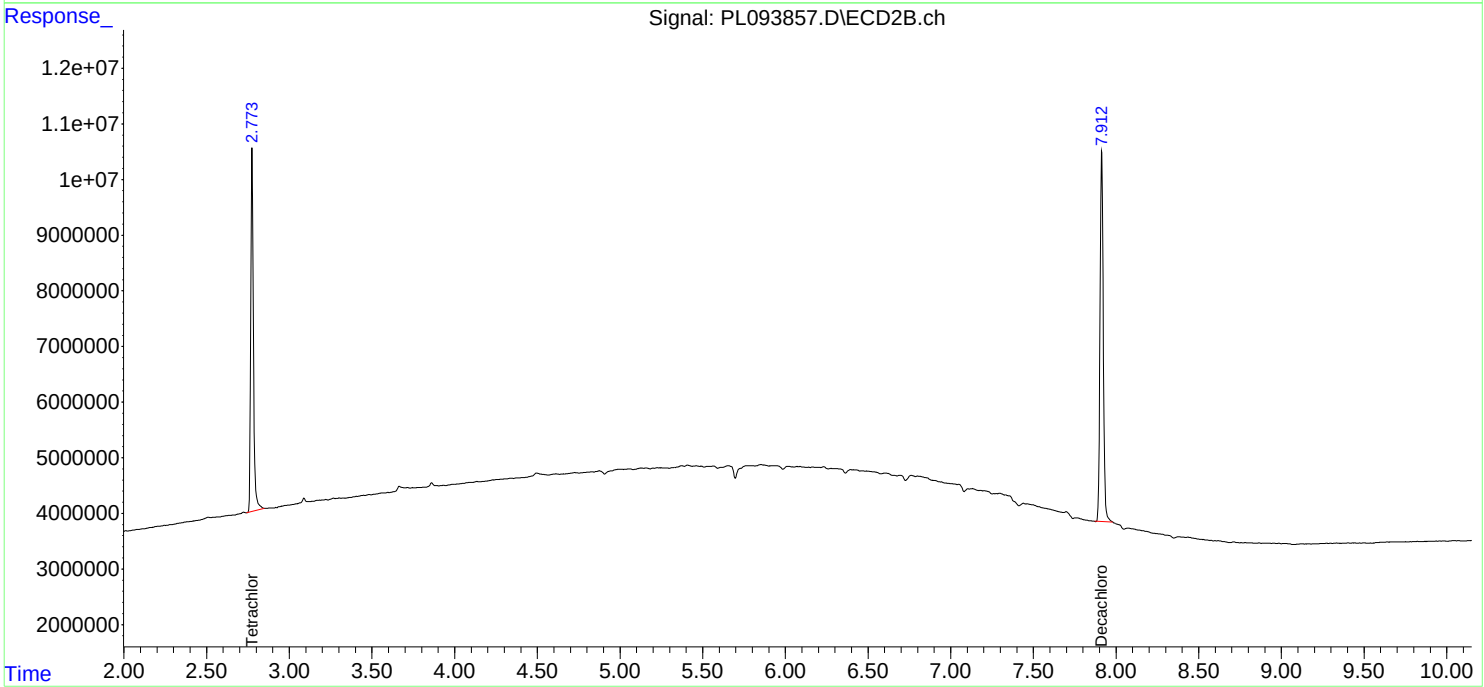
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 17:36
Operator : AR\AJ
Sample : PB166353BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

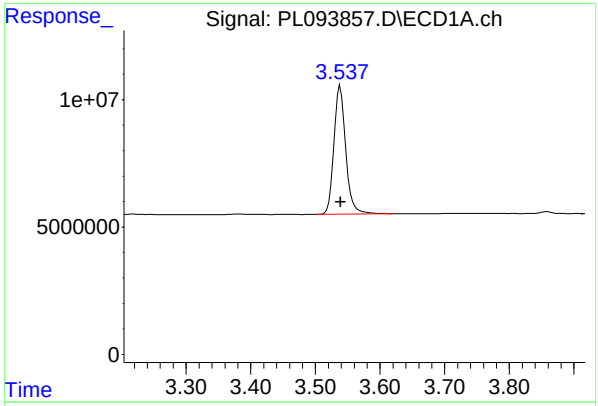
Instrument :
ECD_L
ClientSampleId :
PB166353BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:28:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



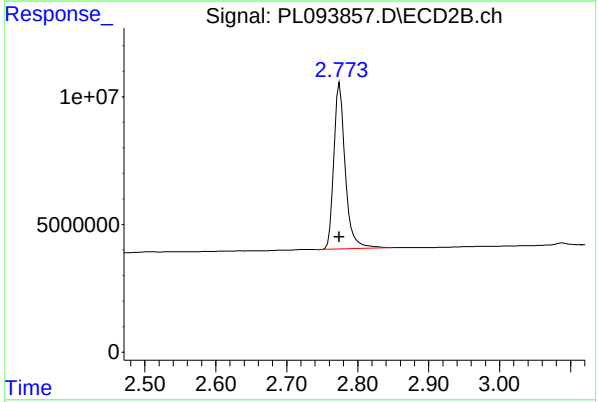




#1 Tetrachloro-m-xylene

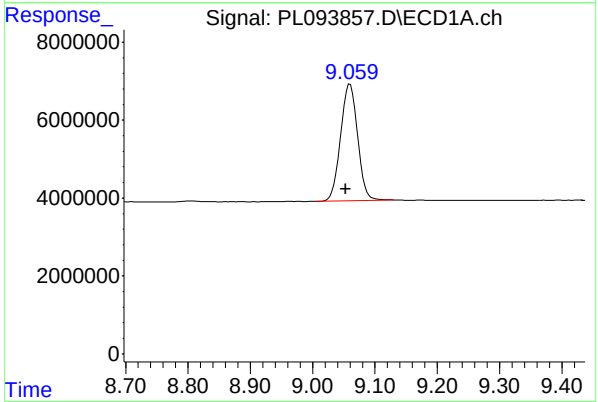
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 63917879
Conc: 23.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BL



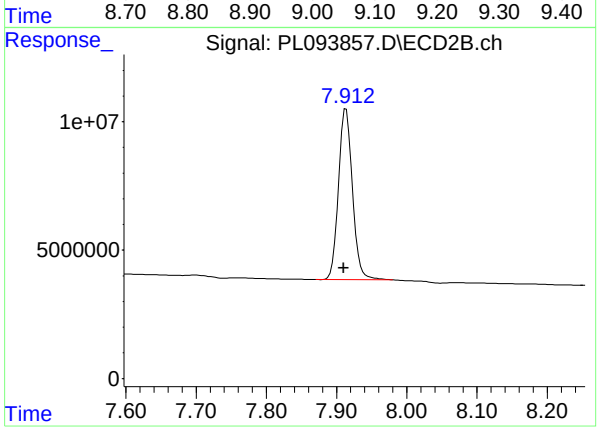
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 72704199
Conc: 22.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.007 min
Response: 56851838
Conc: 27.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.004 min
Response: 91867767
Conc: 26.22 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/21/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093725.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093725.D	1		01/21/25	PL012125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		77 - 126	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	55919553	66932258	20.767	20.505
28)	SA Decachlor...	9.052	7.909	46293108	76642664	22.130	21.872
	Target Compounds						

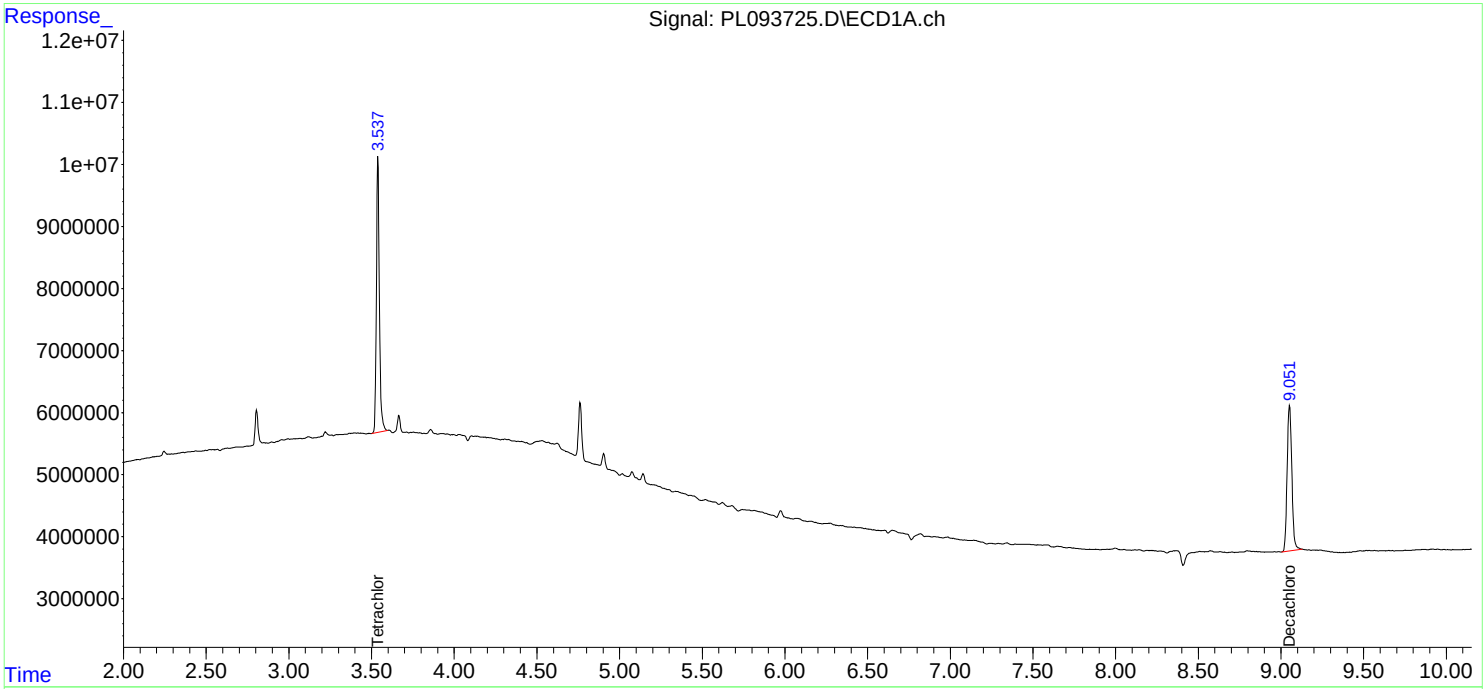
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

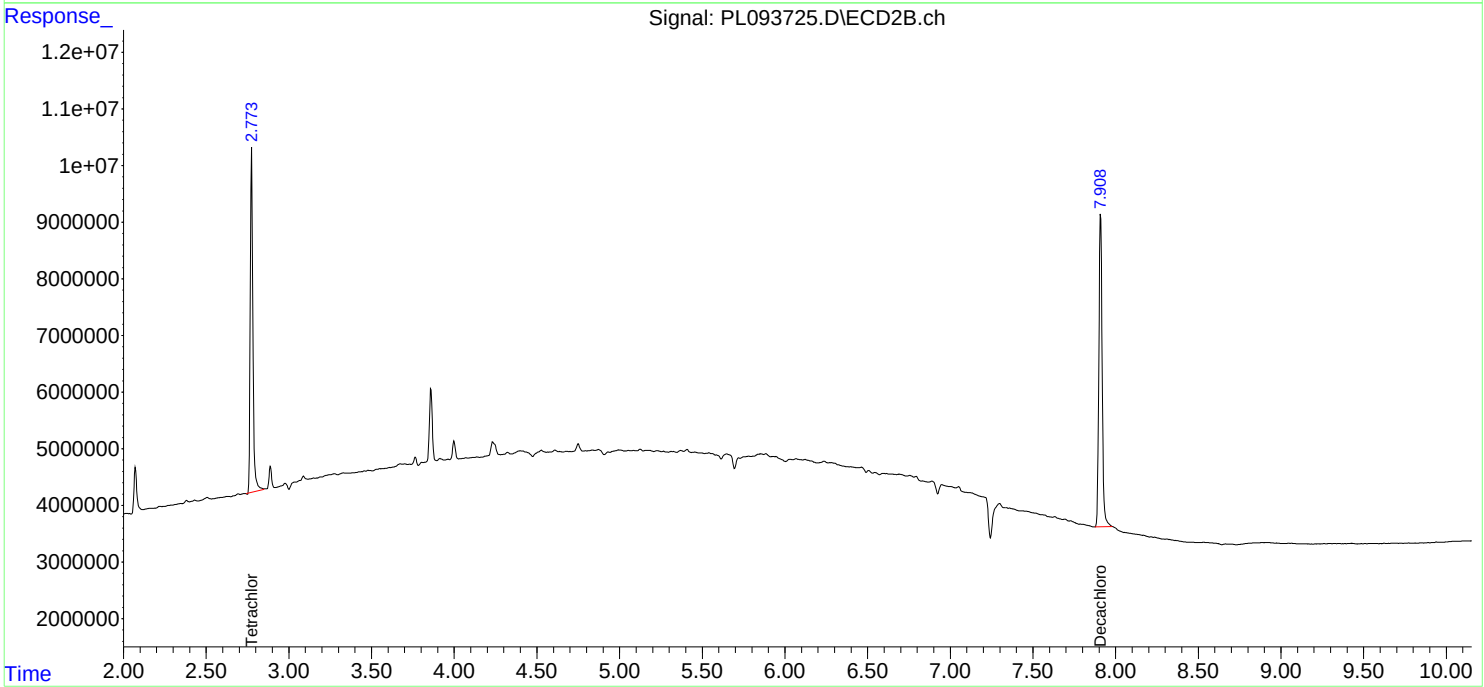
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

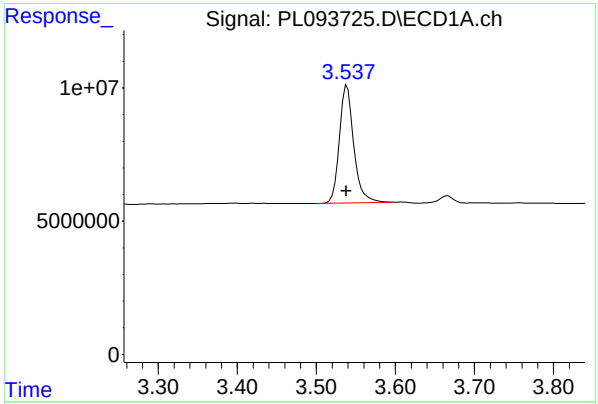
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



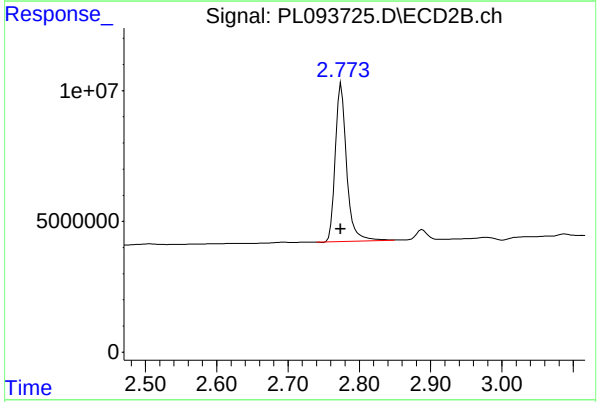




#1 Tetrachloro-m-xylene

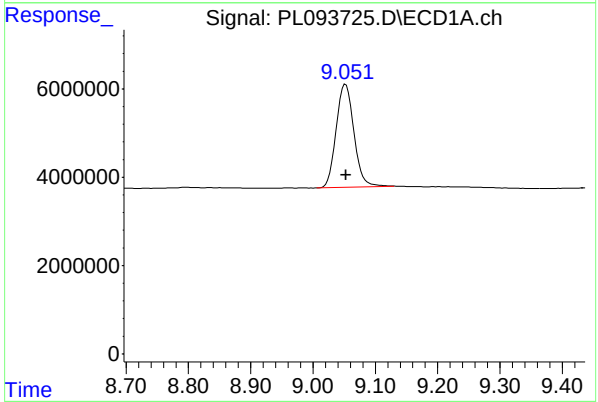
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 55919553
Conc: 20.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



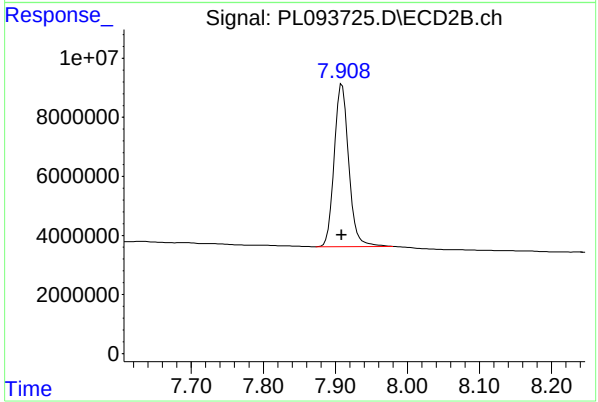
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 66932258
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 46293108
Conc: 22.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 76642664
Conc: 21.87 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	PIBLK-PL093853.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093853.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093853.D	1		01/29/25	pl012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.0		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:26:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.774	53741427	60776244	19.958	18.619
28)	SA Decachlor...	9.065	7.915	48182369	76987129	23.033	21.971
	Target Compounds						

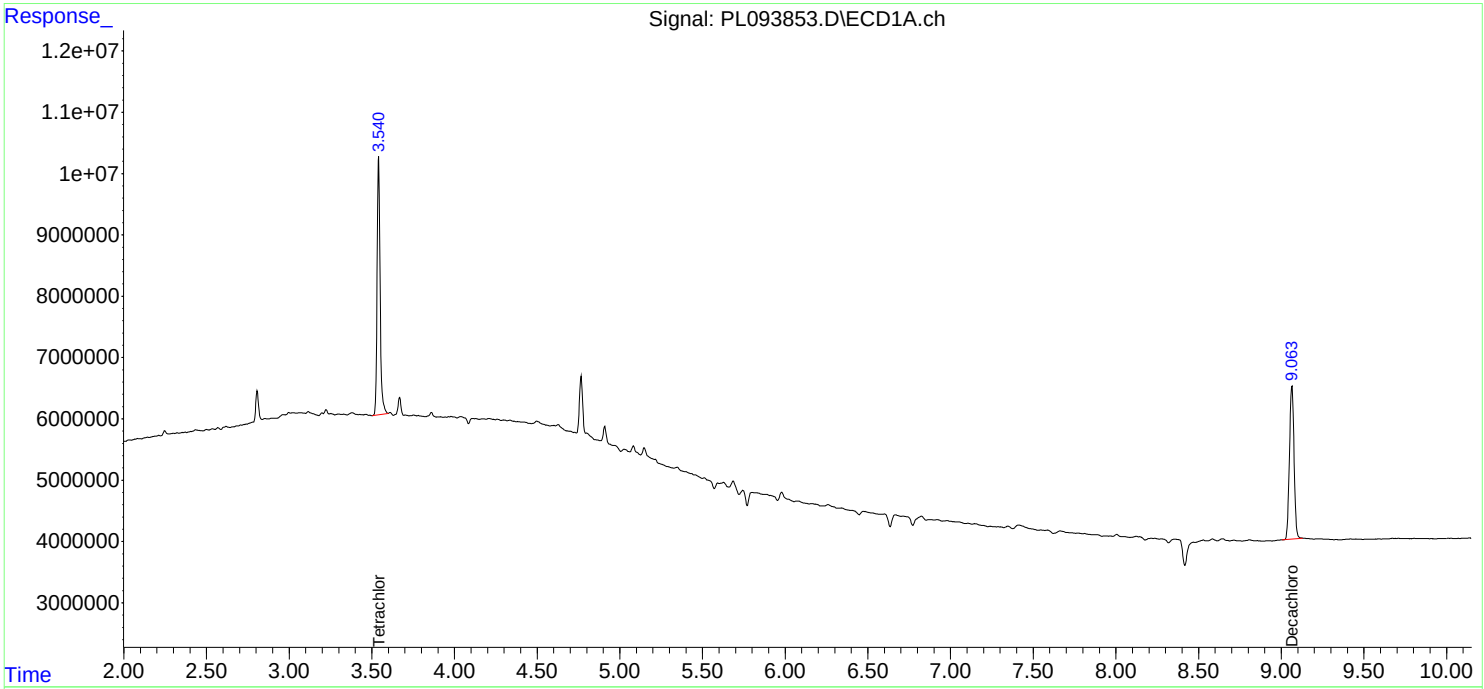
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

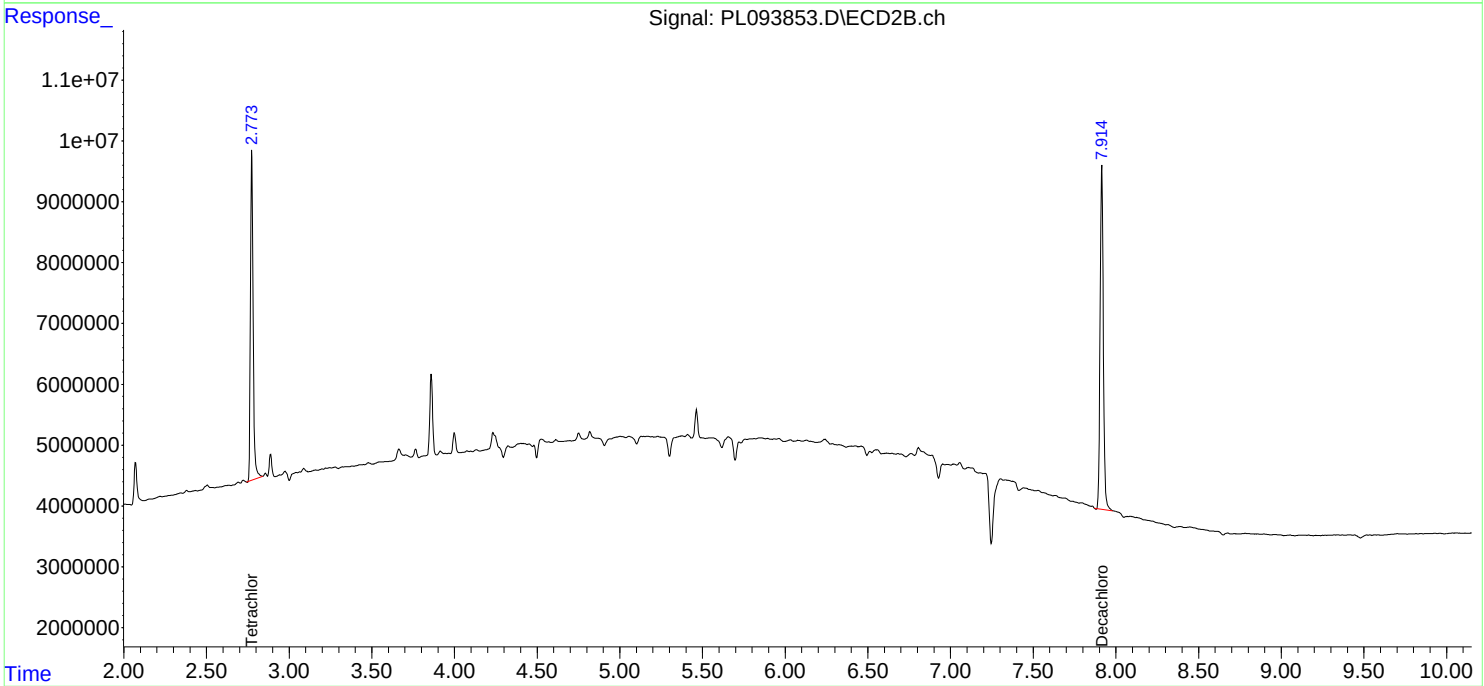
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 16:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

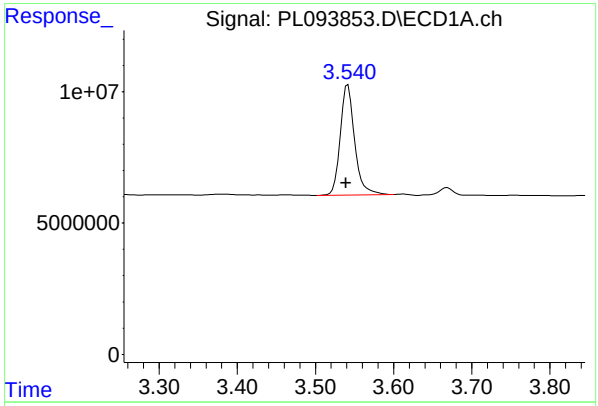
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:26:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



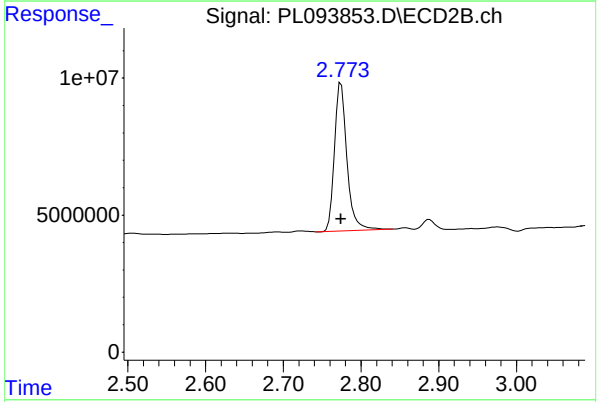




#1 Tetrachloro-m-xylene

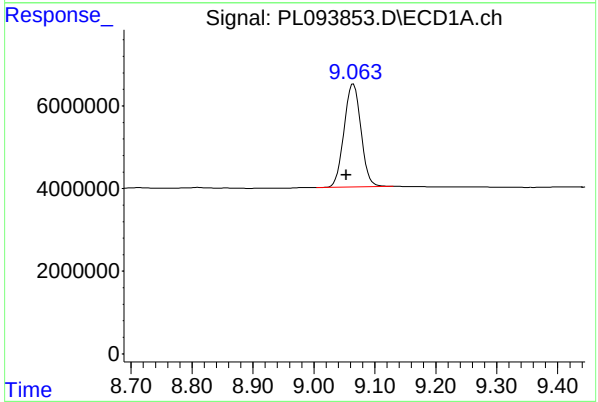
R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 53741427
Conc: 19.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



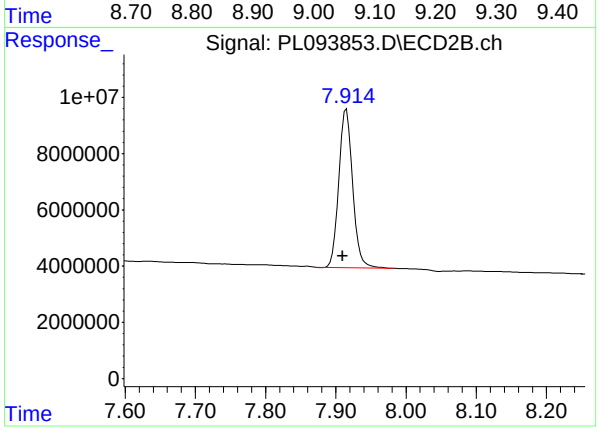
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60776244
Conc: 18.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.012 min
Response: 48182369
Conc: 23.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.005 min
Response: 76987129
Conc: 21.97 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	PIBLK-PL093863.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093863.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093863.D	1		01/29/25	pl012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.1		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		77 - 126	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:30:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	53260228	60899592	19.779	18.657
28)	SA Decachlor...	9.059	7.913	48243313	77516753	23.062	22.122
	Target Compounds						

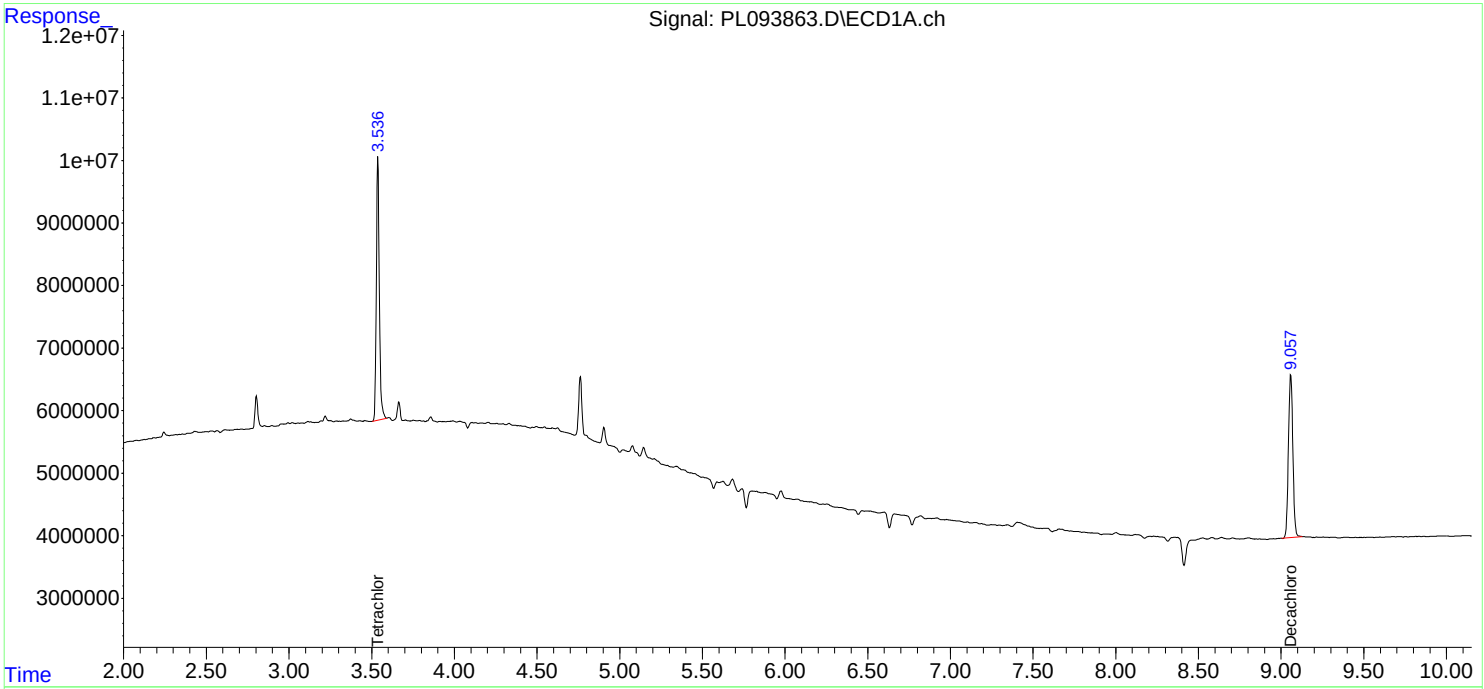
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

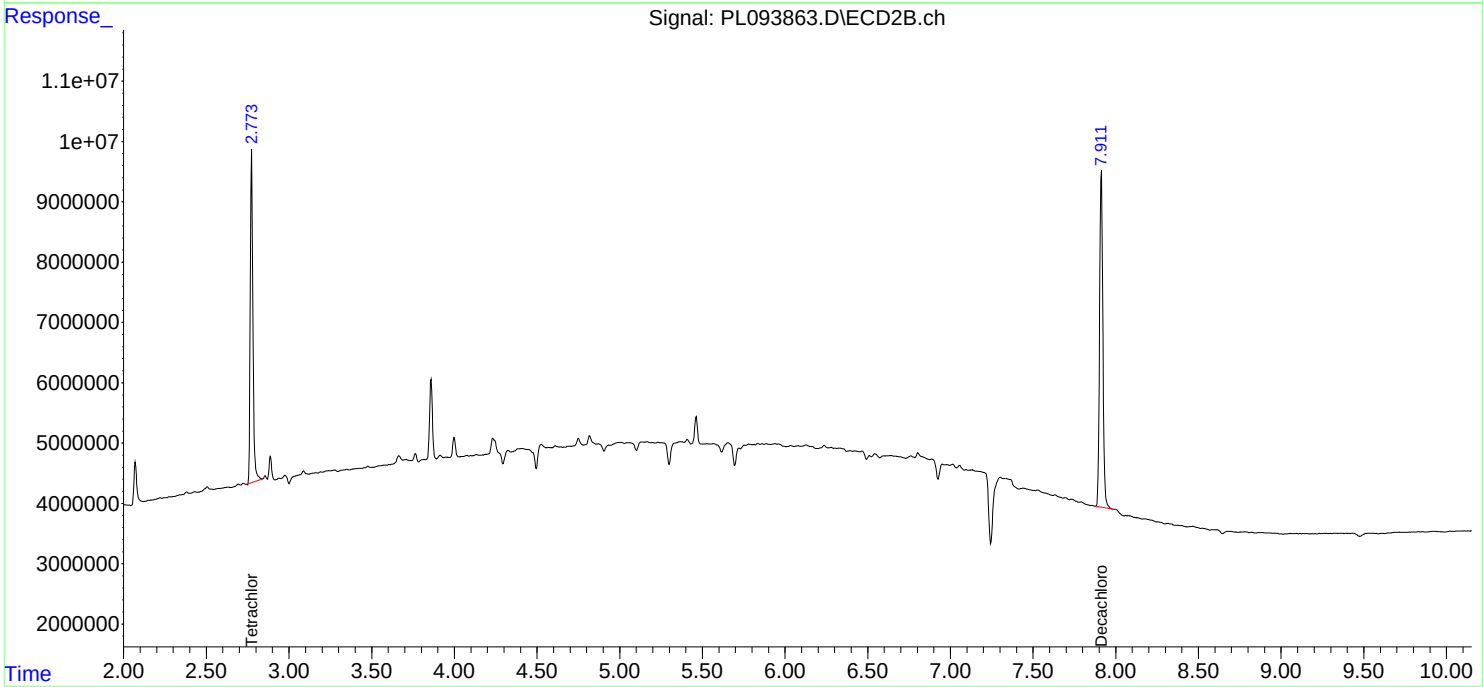
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012925\
Data File : PL093863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 18:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

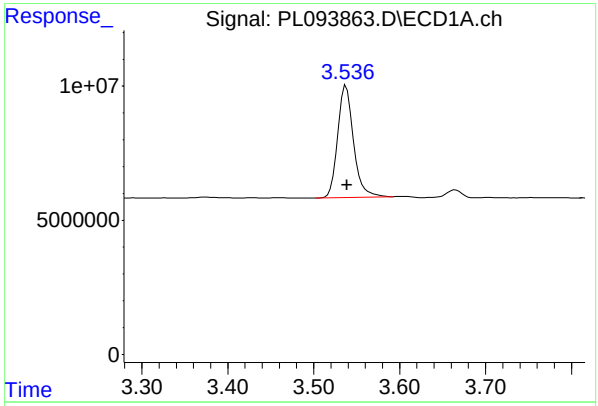
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 00:30:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



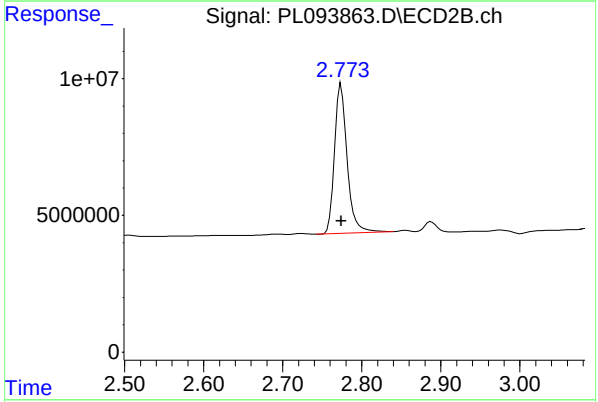




#1 Tetrachloro-m-xylene

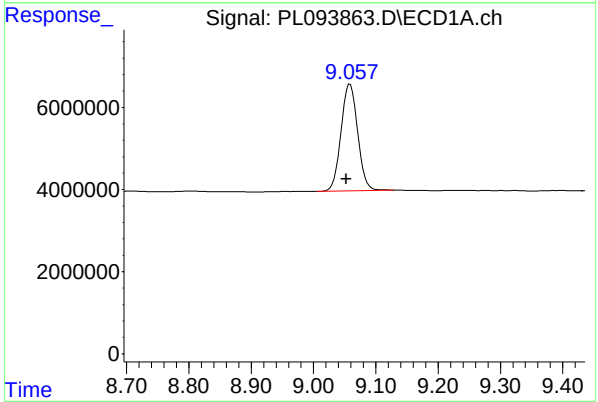
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 53260228
Conc: 19.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



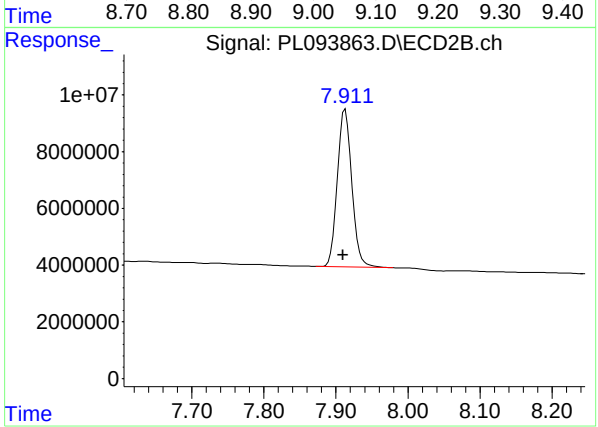
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60899592
Conc: 18.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 min
Response: 48243313
Conc: 23.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.003 min
Response: 77516753
Conc: 22.12 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093874.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093874.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093874.D	1		01/30/25	pl013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		43 - 140	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		77 - 126	100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.774	53595188	59221494	19.903	18.143
28)	SA Decachlor...	9.058	7.911	47085391	73597989	22.508	21.004
	Target Compounds						

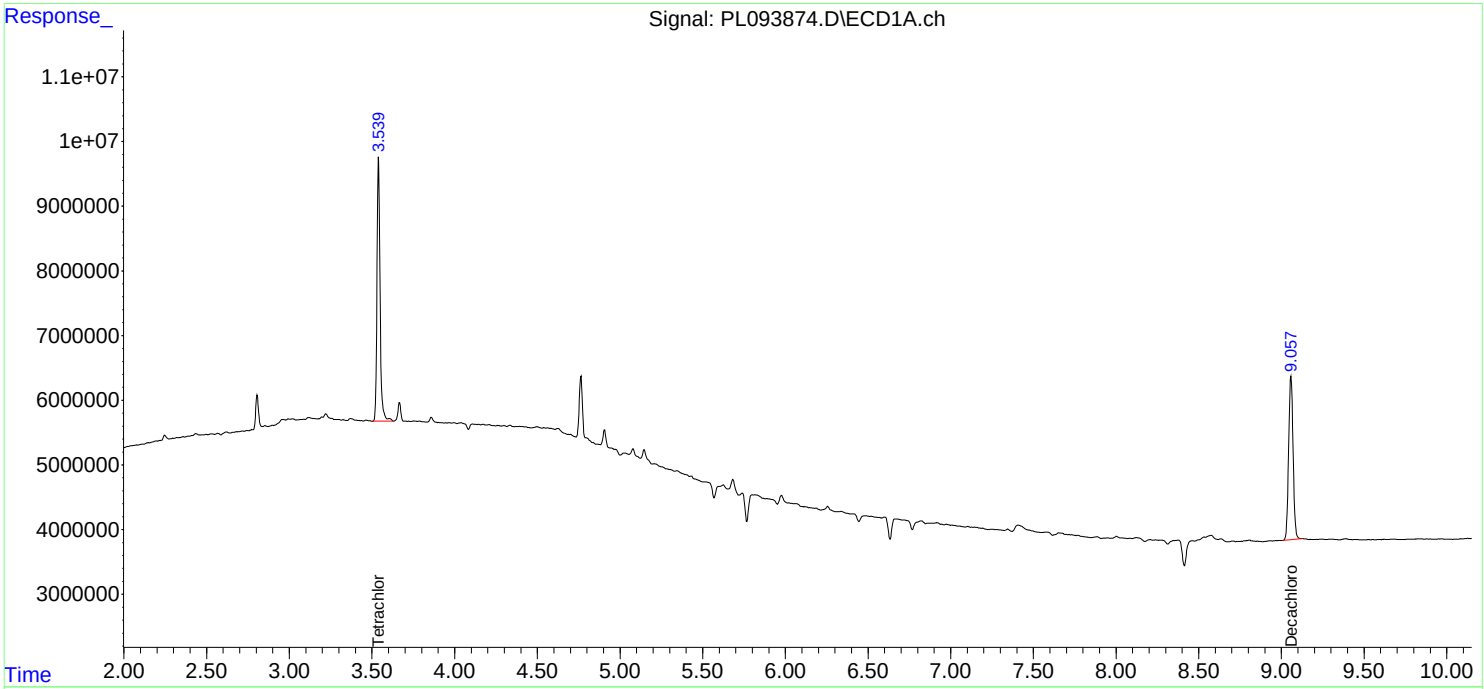
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

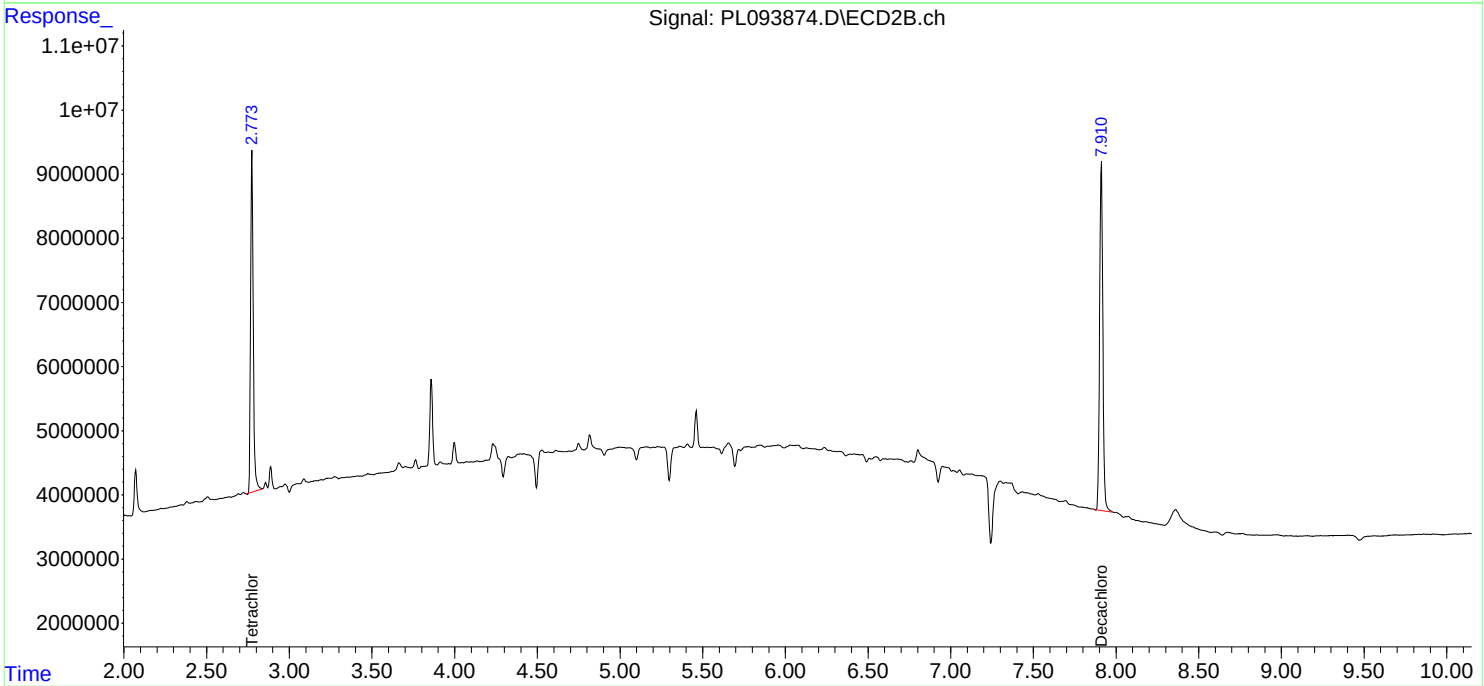
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 09:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

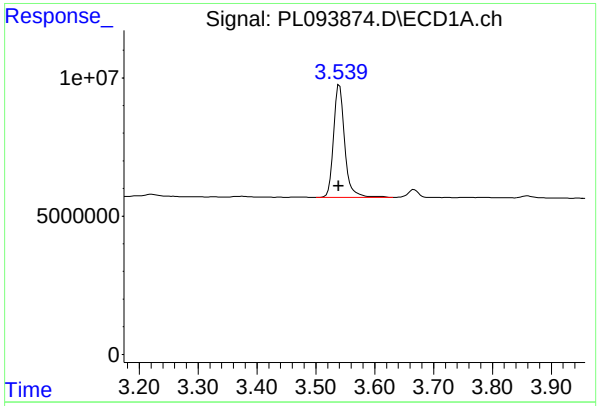
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 16:49:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



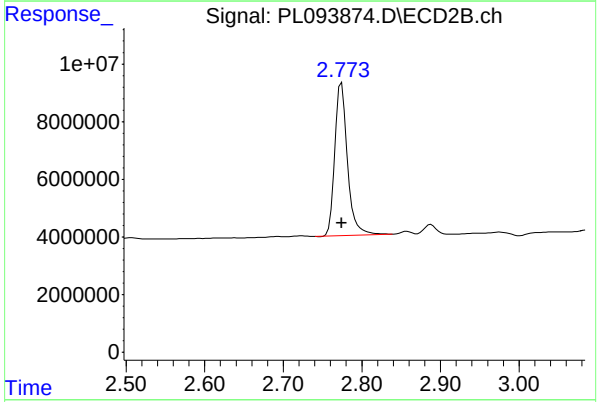




#1 Tetrachloro-m-xylene

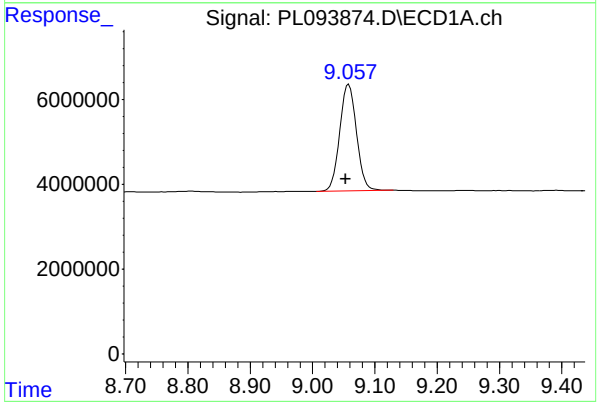
R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 53595188
Conc: 19.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



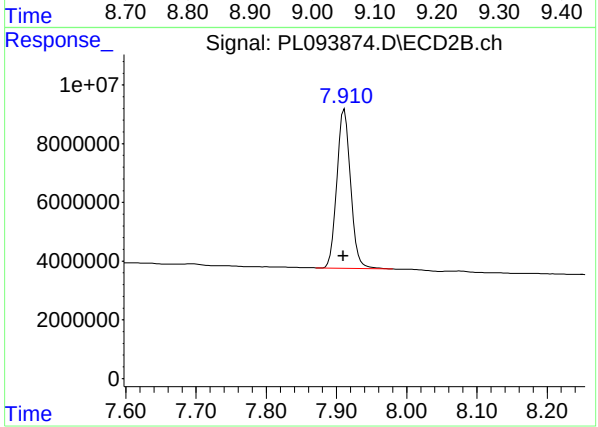
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 59221494
Conc: 18.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.005 min
Response: 47085391
Conc: 22.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.002 min
Response: 73597989
Conc: 21.00 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093887.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093887.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093887.D	1		01/30/25	pl013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		77 - 126	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.774	49471044	57158062	18.372	17.511
28)	SA Decachlor...	9.058	7.911	44786683	74361082	21.409	21.221
	Target Compounds						

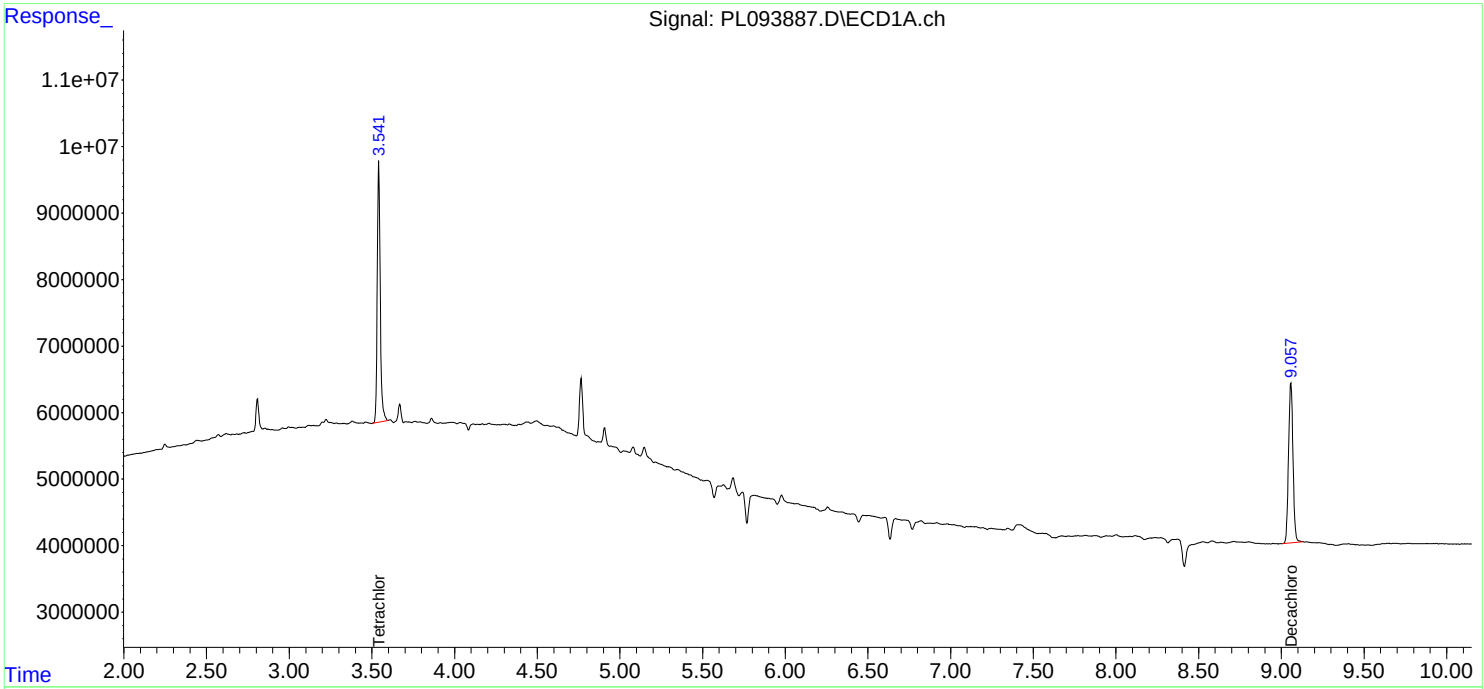
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

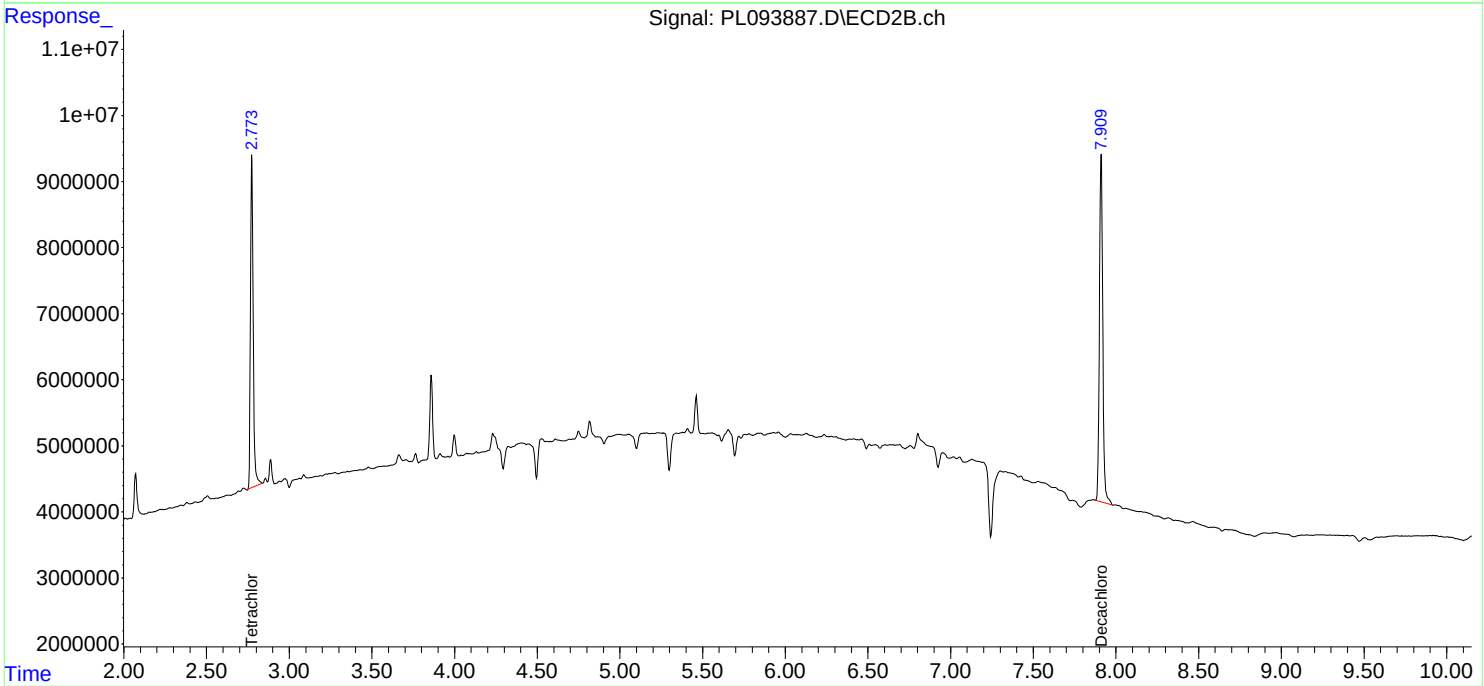
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

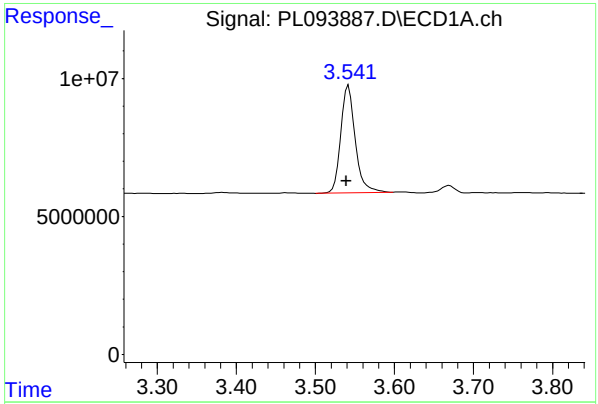
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:29:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



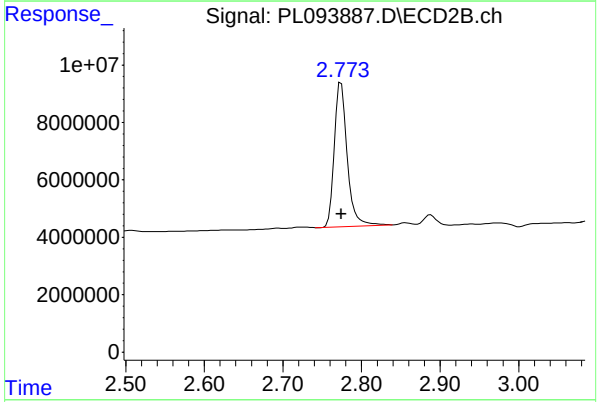




#1 Tetrachloro-m-xylene

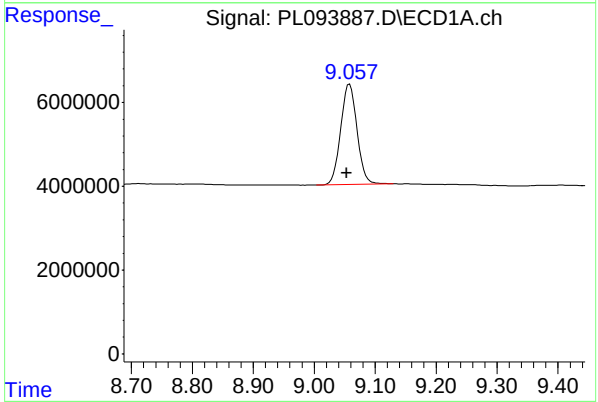
R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 49471044
Conc: 18.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



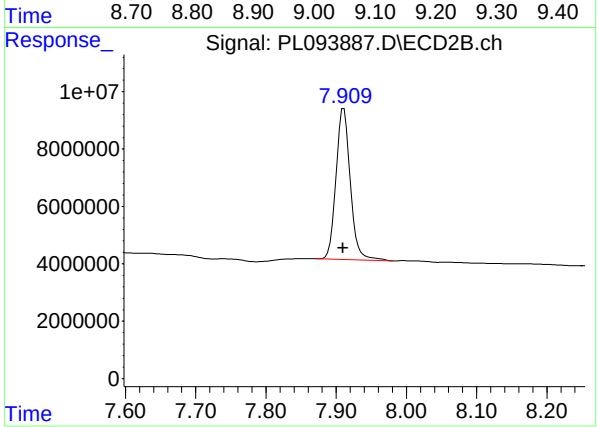
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 57158062
Conc: 17.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.005 min
Response: 44786683
Conc: 21.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 74361082
Conc: 21.22 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	PIBLK-PL093904.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093904.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093904.D	1		01/30/25	pl013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		77 - 126	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 17:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	51465078	60888664	19.112	18.654
28)	SA Decachlor...	9.053	7.909	42334816	56212540	20.237	16.042
	Target Compounds						

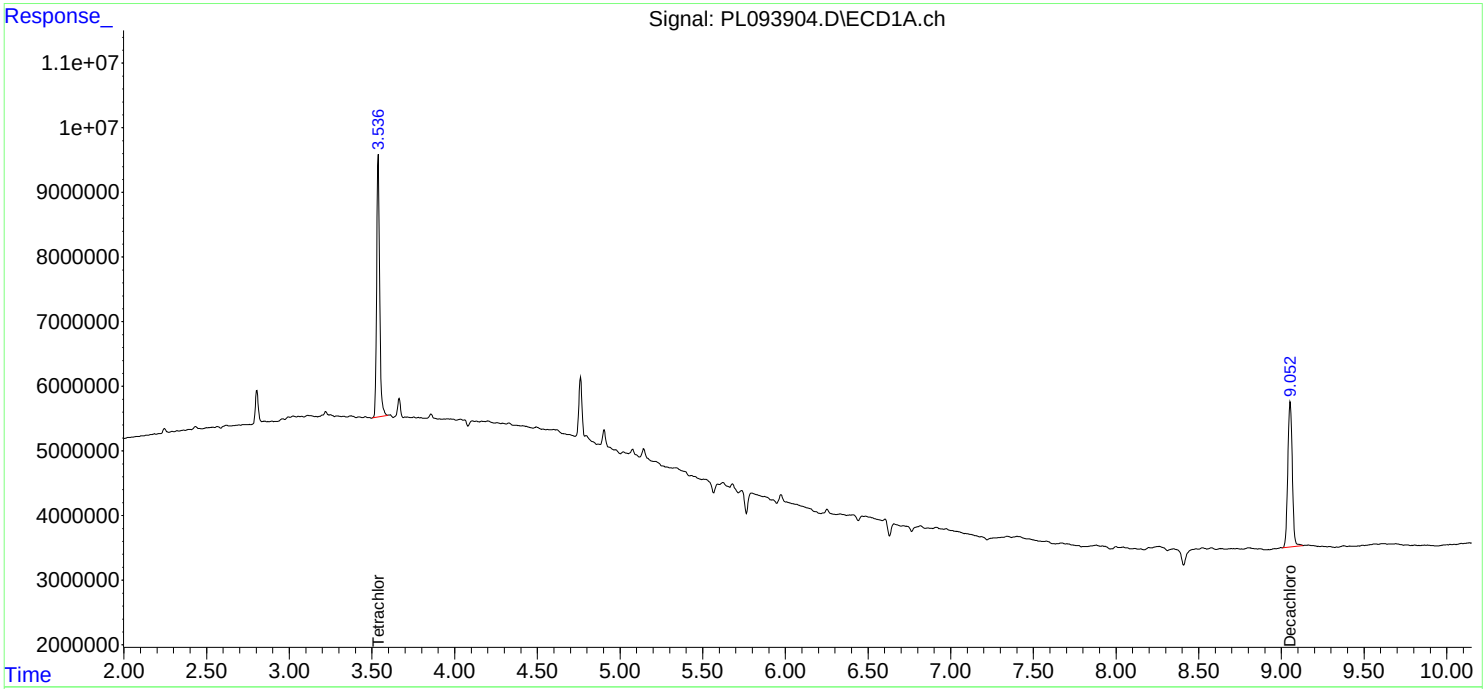
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

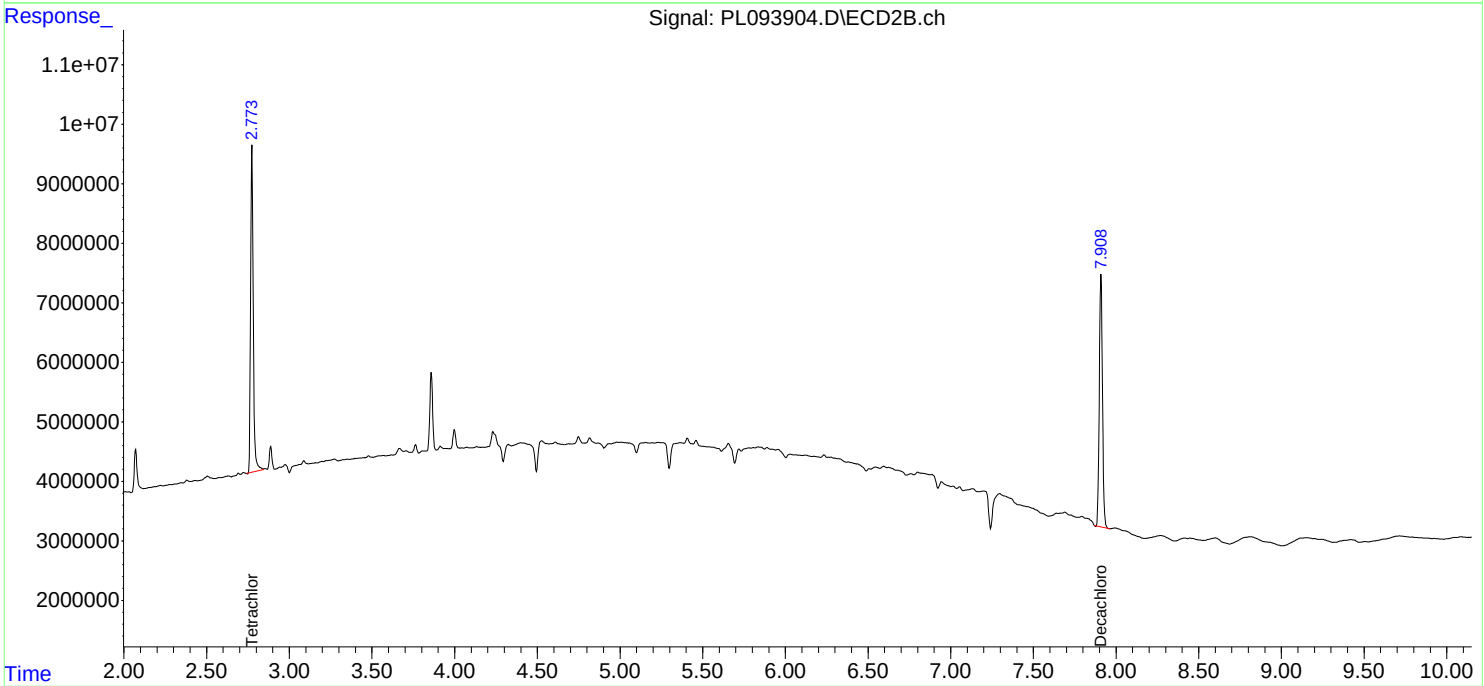
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 17:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

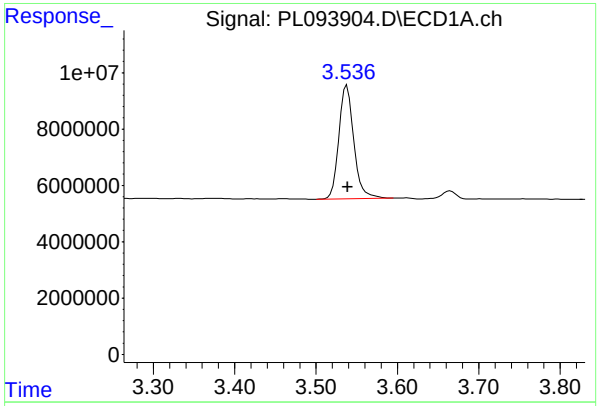
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:35:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



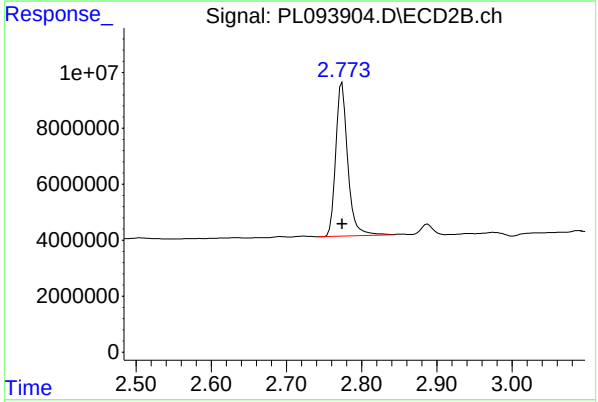




#1 Tetrachloro-m-xylene

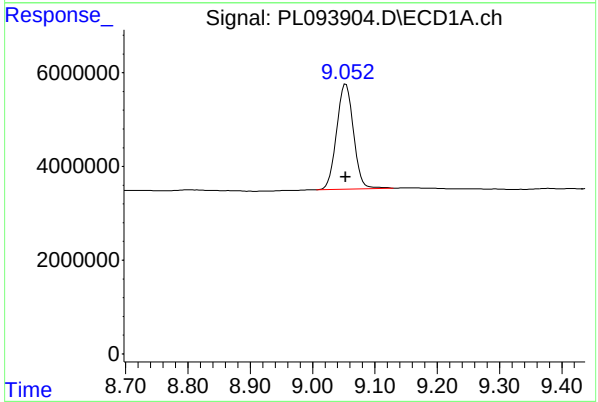
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 51465078
Conc: 19.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



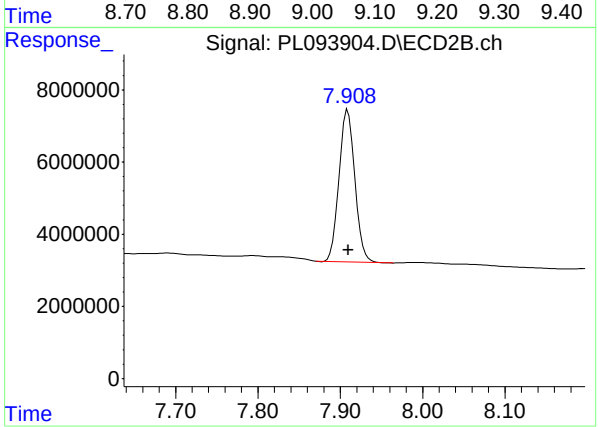
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 60888664
Conc: 18.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 42334816
Conc: 20.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 56212540
Conc: 16.04 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/03/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/03/25
Client Sample ID:	PIBLK-PL093980.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093980.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093980.D	1		02/03/25	pl020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		77 - 126	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 09:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:38:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.775	59778927	71302393	22.200	21.844
28)	SA Decachlor...	9.057	7.911	45205674	70659110	21.610	20.165
	Target Compounds						

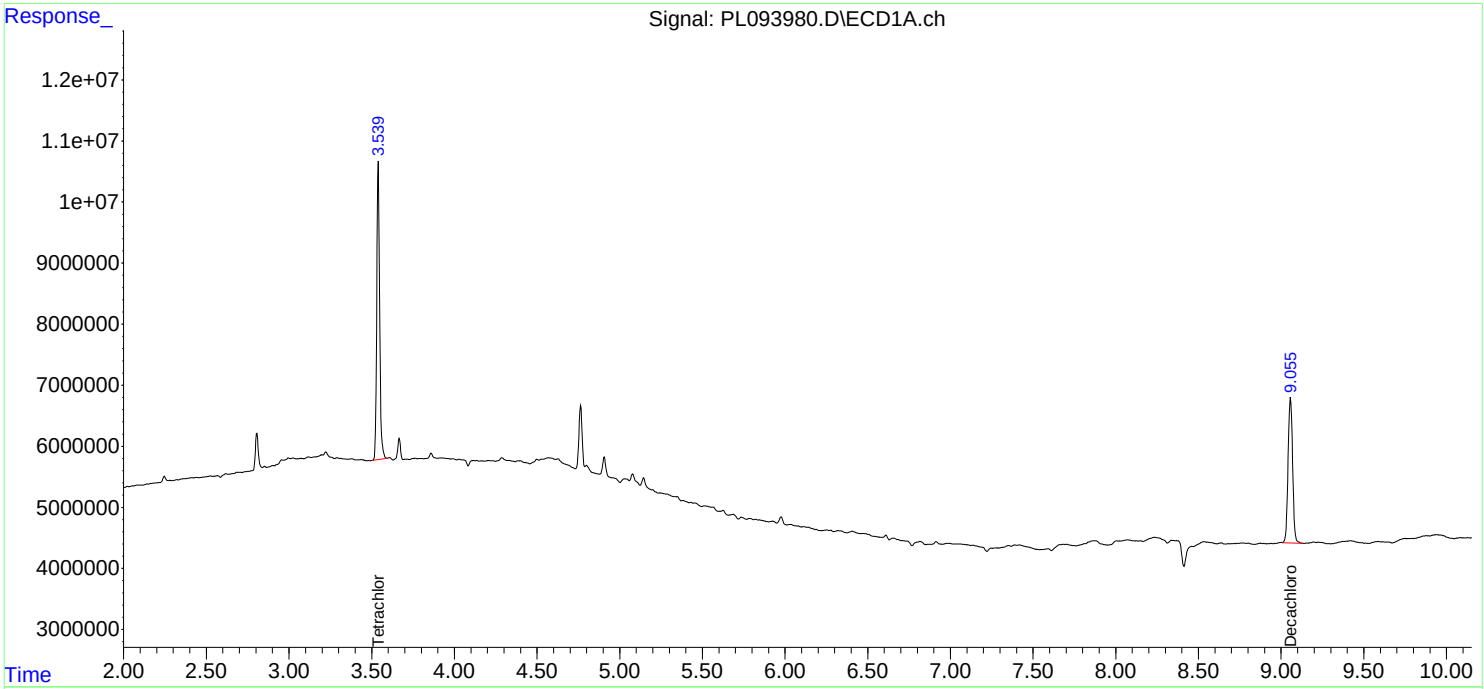
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

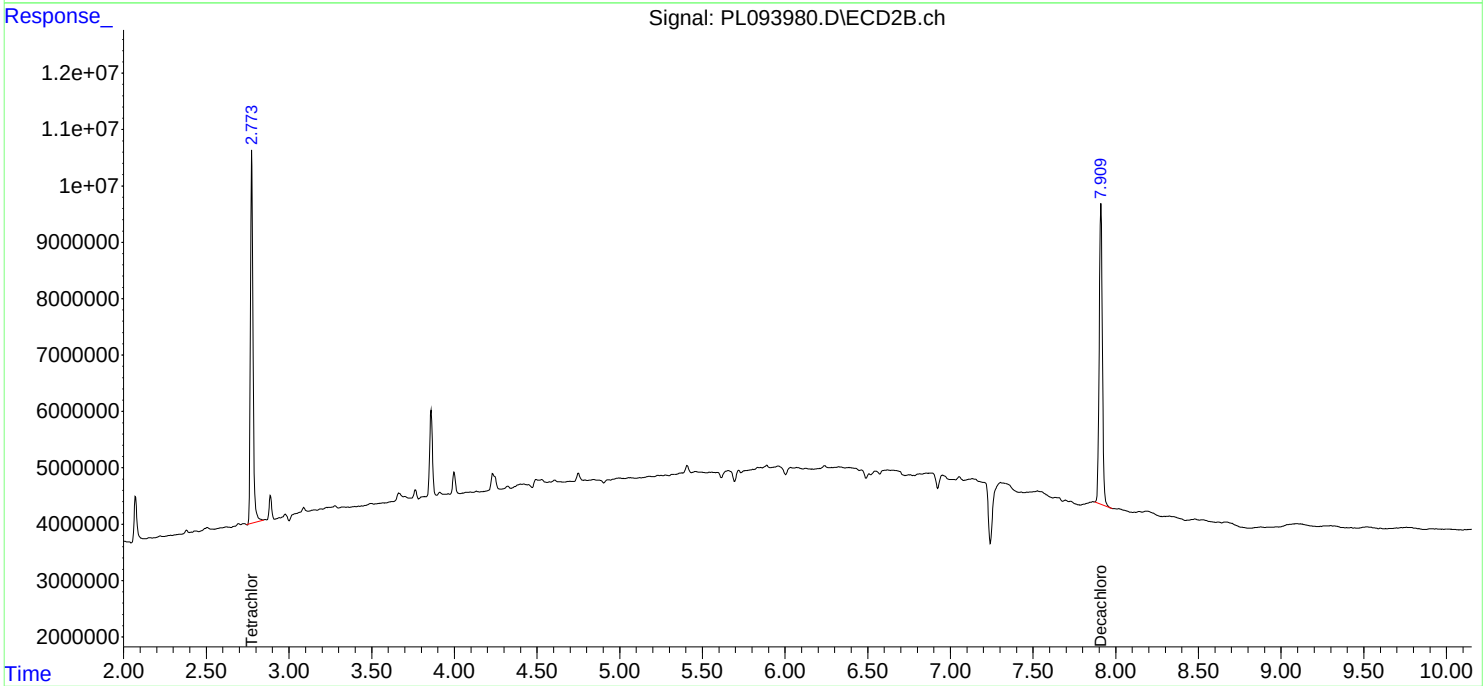
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 09:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

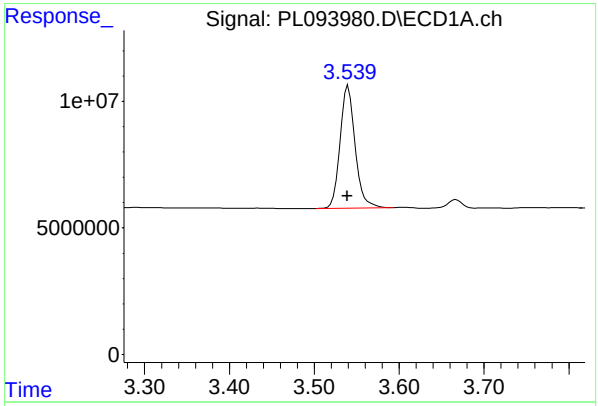
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:38:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



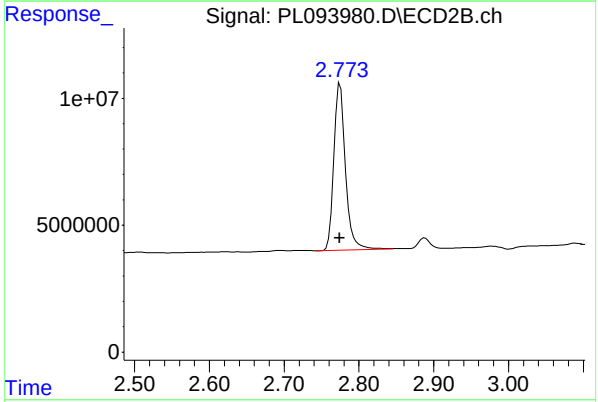




#1 Tetrachloro-m-xylene

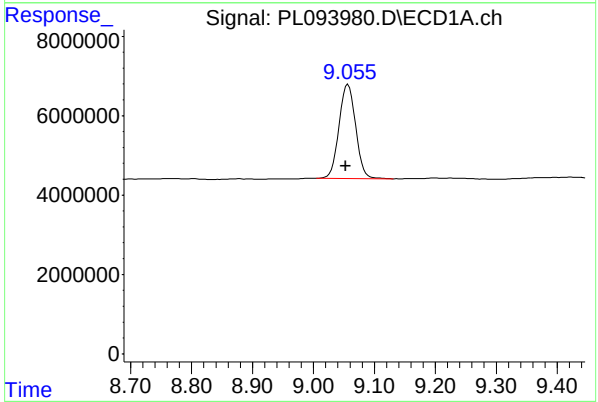
R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 59778927
Conc: 22.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



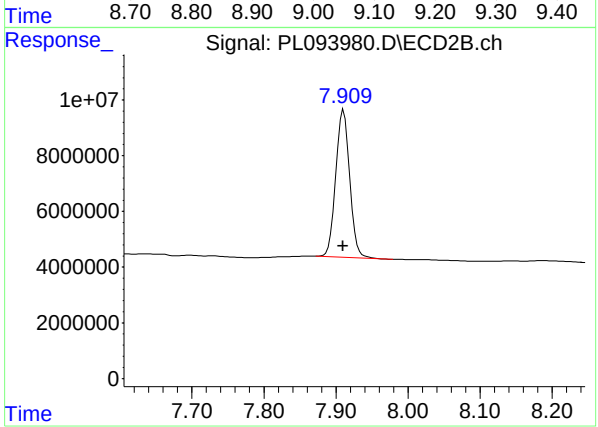
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 71302393
Conc: 21.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.004 min
Response: 45205674
Conc: 21.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 70659110
Conc: 20.16 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	02/03/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/03/25
Client Sample ID:	PIBLK-PL093999.D	SDG No.:	Q1206
Lab Sample ID:	I.BLK-PL093999.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093999.D	1		02/03/25	pl020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	28.1		43 - 140	140%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		77 - 126	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:45:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	56951406	66835066	21.150	20.475
28)	SA Decachlor...	9.053	7.909	58688168	76608118	28.055m	21.863
	Target Compounds						

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

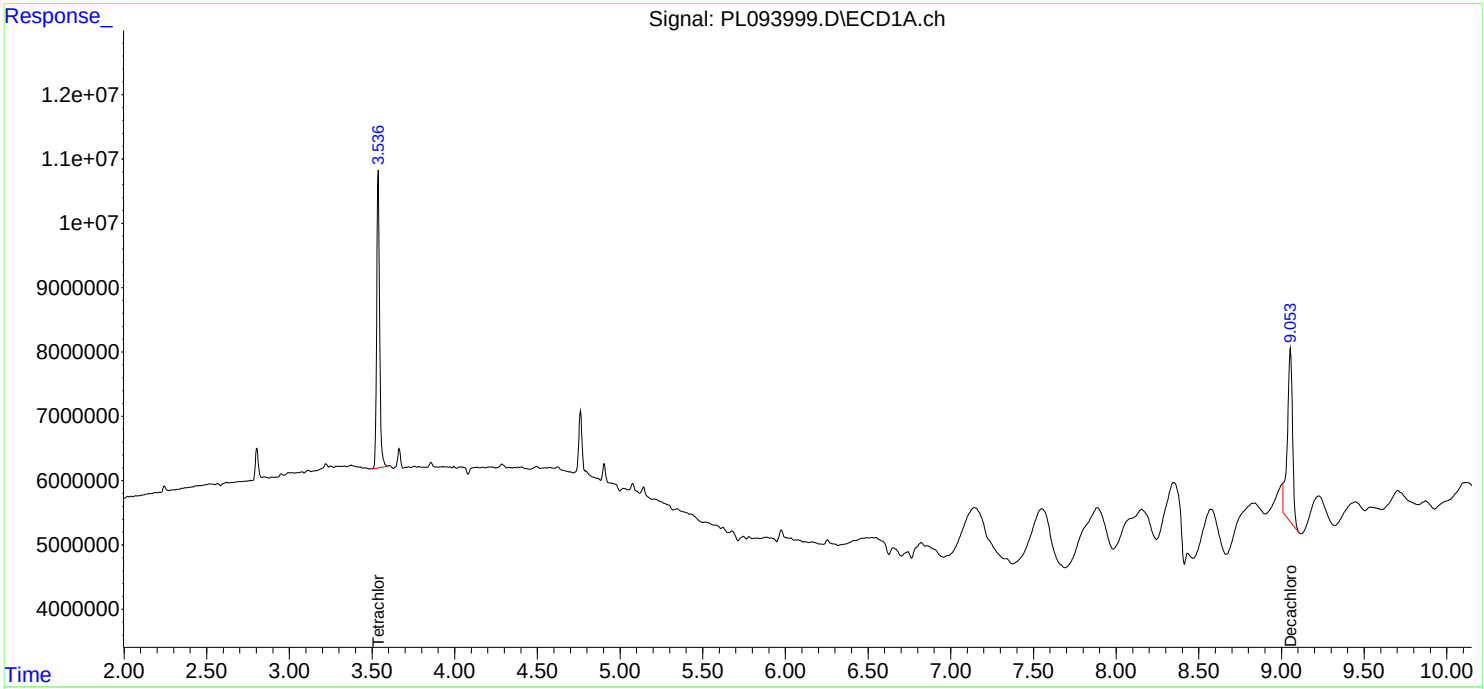
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

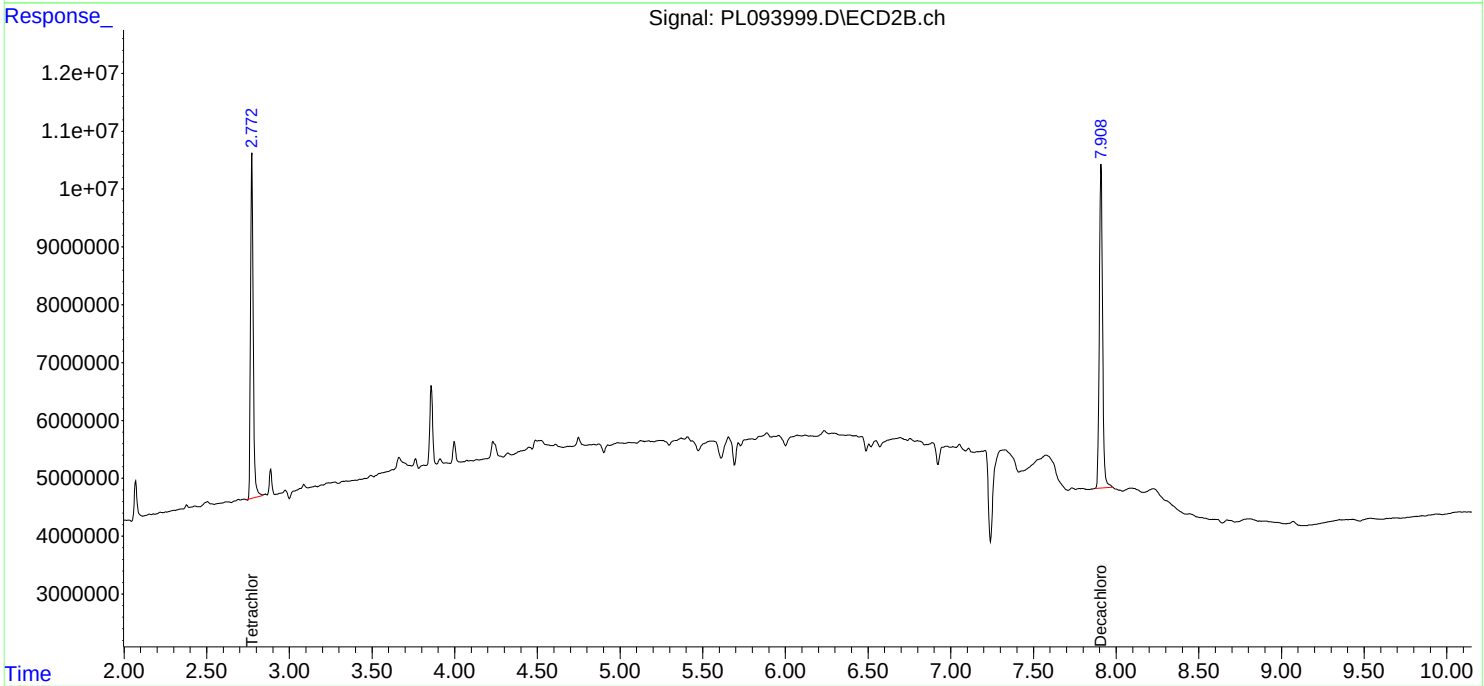
Instrument :
ECD_L
ClientSampleId :
I.BLK

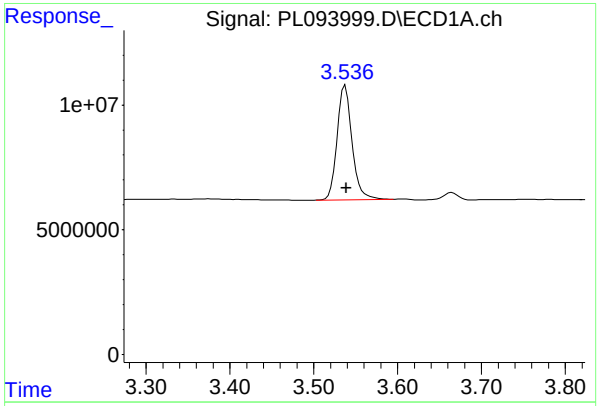
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:45:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







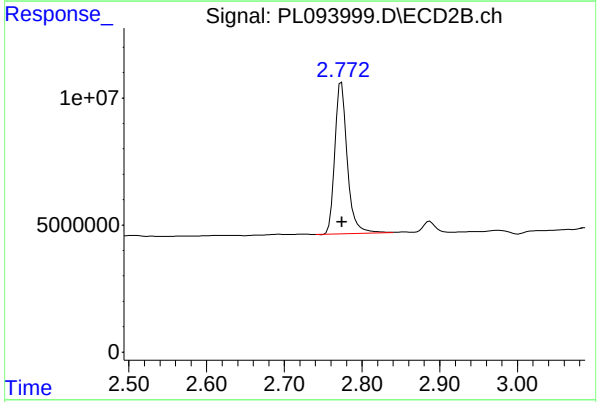
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 mi
Response: 56951406
Conc: 21.15 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK

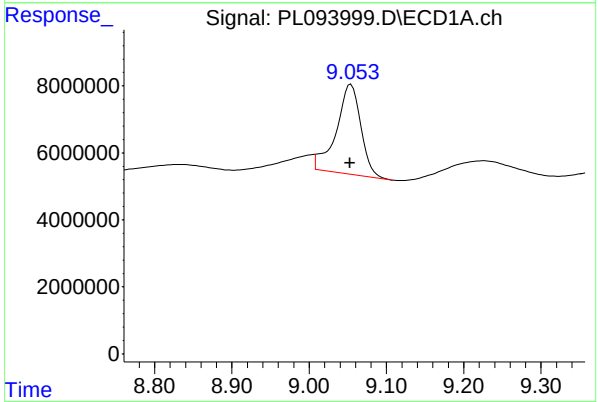
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



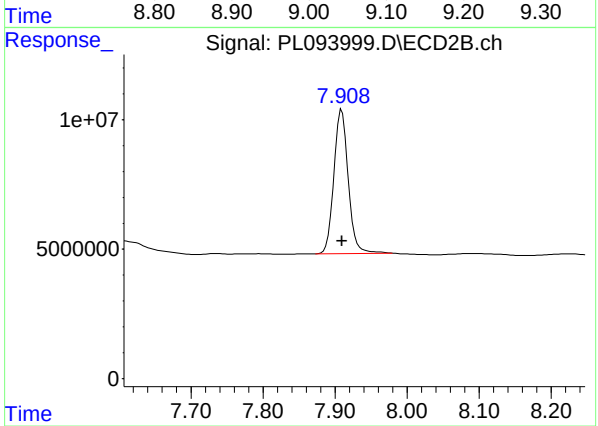
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 66835066
Conc: 20.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 58688168
Conc: 28.05 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 76608118
Conc: 21.86 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166353BS	SDG No.:	Q1206
Lab Sample ID:	PB166353BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093886.D	1	01/29/25 11:20	01/30/25 13:24	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.47		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.49		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.49		0.0090	0.050	ug/L
72-20-8	Endrin	0.48		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		43 - 140	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		77 - 126	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:24
Operator : AR\AJ
Sample : PB166353BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166353BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:28:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.543	2.774	53509201	62180924	19.872	19.050
28)	SA Decachlor...	9.059	7.912	49027892	78923206	23.437	22.523
	Target Compounds						
2)	A alpha-BHC	3.999	3.277	180.5E6	231.7E6	47.080	47.402
3)	MA gamma-BHC...	4.332	3.607	171.5E6	220.3E6	46.576	46.461
4)	MA Heptachlor	4.919	3.946	161.4E6	227.1E6	49.233	48.781
5)	MB Aldrin	5.262	4.226	154.2E6	213.4E6	47.113	46.787
6)	B beta-BHC	4.530	3.908	76008718	95520644	47.289	47.822
7)	B delta-BHC	4.777	4.136	166.6E6	220.9E6	47.532	46.489
8)	B Heptachlo...	5.687	4.728	139.8E6	203.3E6	47.004	48.637
9)	A Endosulfan I	6.073	5.097	128.9E6	193.6E6	48.762	49.933
10)	B gamma-Chl...	5.943	4.976	138.0E6	213.0E6	49.508	50.273m
11)	B alpha-Chl...	6.022	5.042	138.0E6	208.5E6	49.474	49.807
12)	B 4,4'-DDE	6.196	5.231	124.7E6	202.8E6	51.202	50.586
13)	MA Dieldrin	6.348	5.362	136.5E6	210.8E6	49.160	49.063
14)	MA Endrin	6.576	5.638	109.1E6	178.6E6	46.542m	48.358
15)	B Endosulfa...	6.798	5.933	119.4E6	188.0E6	49.547	50.761
16)	A 4,4'-DDD	6.714	5.786	101.4E6	168.7E6	53.377	53.449
17)	MA 4,4'-DDT	7.027	6.036	102.0E6	162.6E6	51.734	49.973
18)	B Endrin al...	6.928	6.111	96744681	148.0E6	49.764	48.594
19)	B Endosulfa...	7.162	6.335	113.0E6	181.6E6	49.919	50.925
20)	A Methoxychlor	7.504	6.611	52123113	88963804	49.955	49.752
21)	B Endrin ke...	7.647	6.840	130.5E6	217.2E6	51.717	51.783
22)	Mirex	8.120	7.020	98251160	158.3E6	47.180	46.809

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

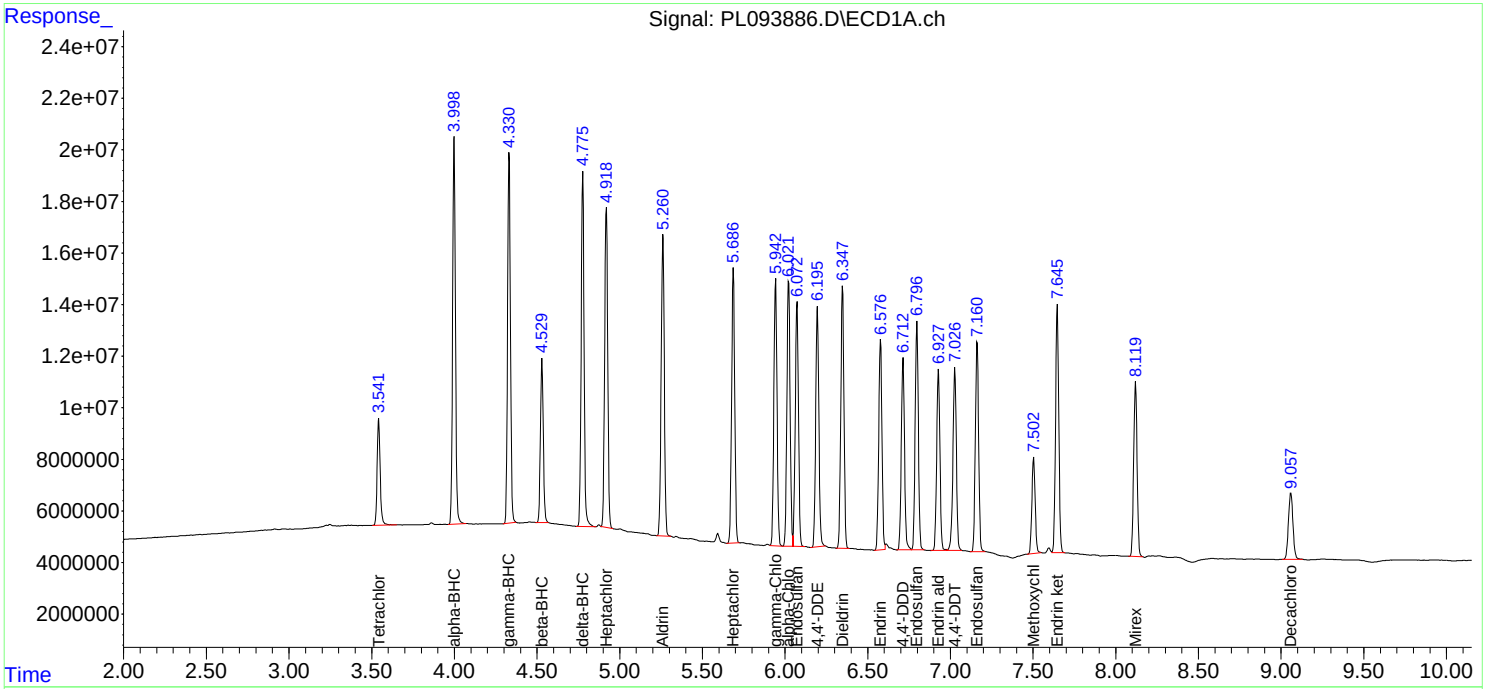
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013025\
Data File : PL093886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 13:24
Operator : AR\AJ
Sample : PB166353BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

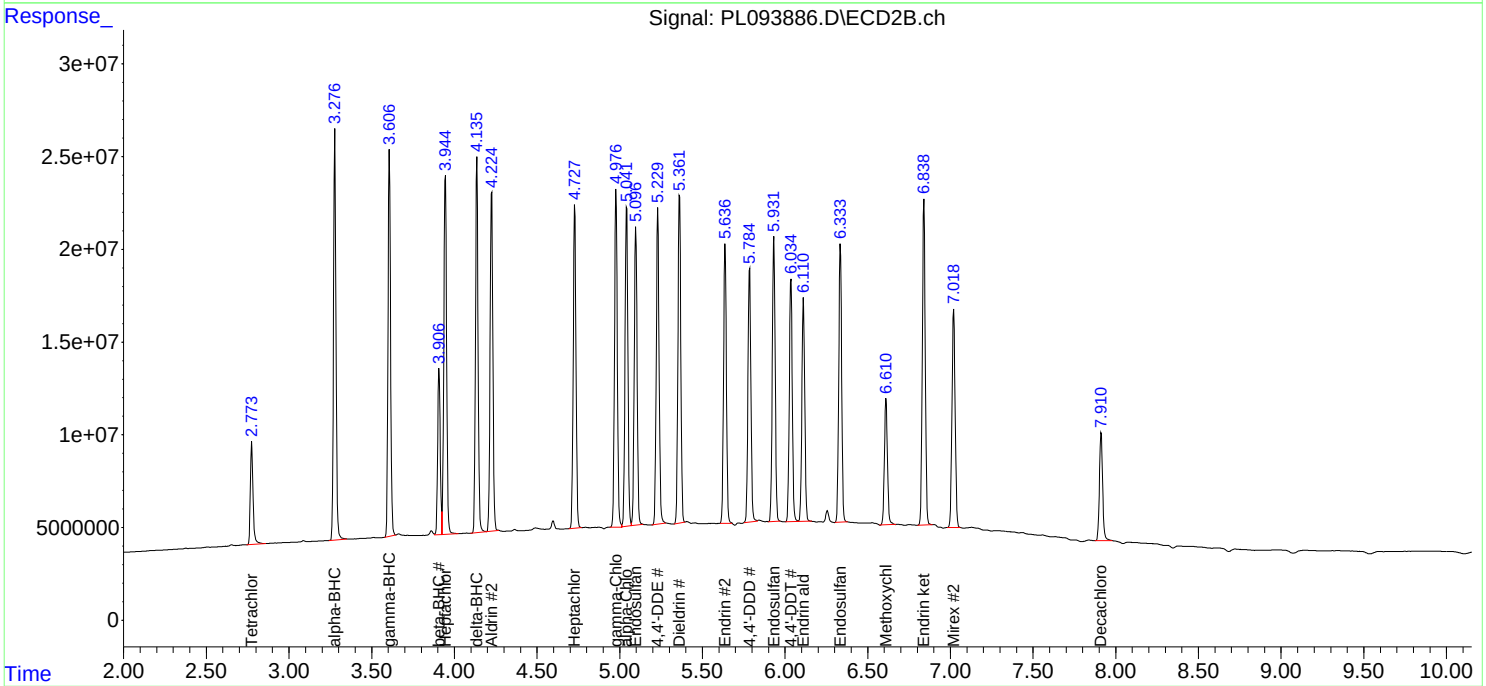
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 01:28:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

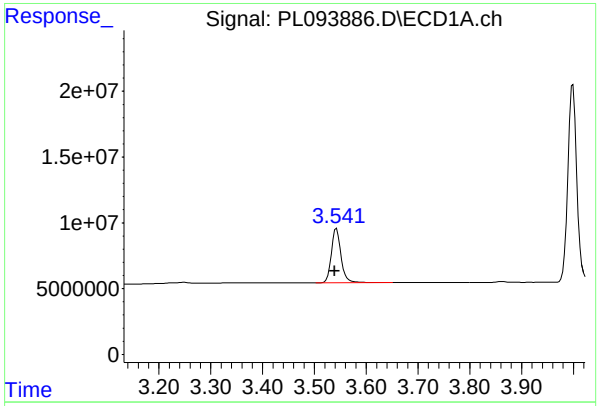
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_L
ClientSampleId :
PB166353BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025







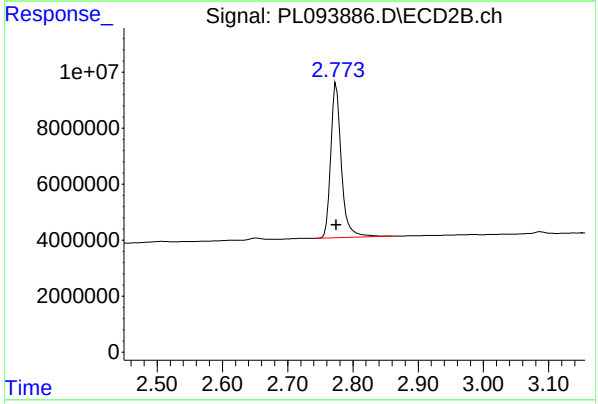
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.004 min
Response: 53509201
Conc: 19.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

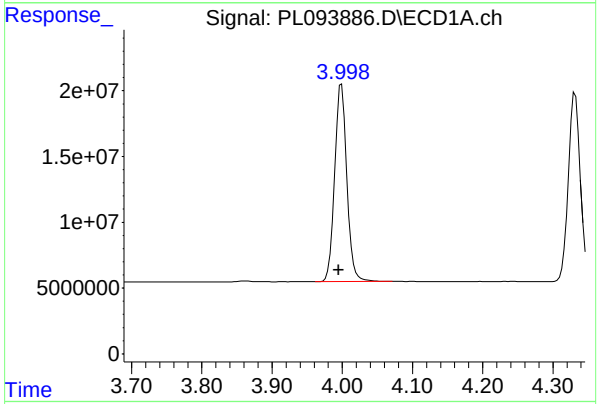
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



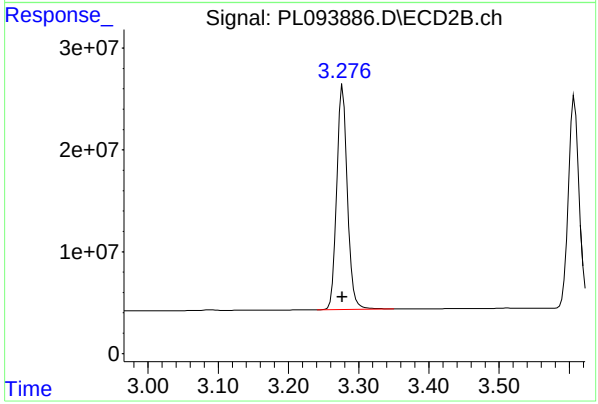
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 62180924
Conc: 19.05 ng/ml



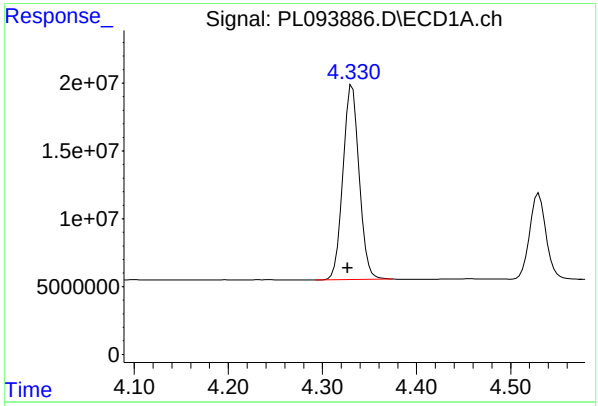
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.004 min
Response: 180497646
Conc: 47.08 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 231748655
Conc: 47.40 ng/ml



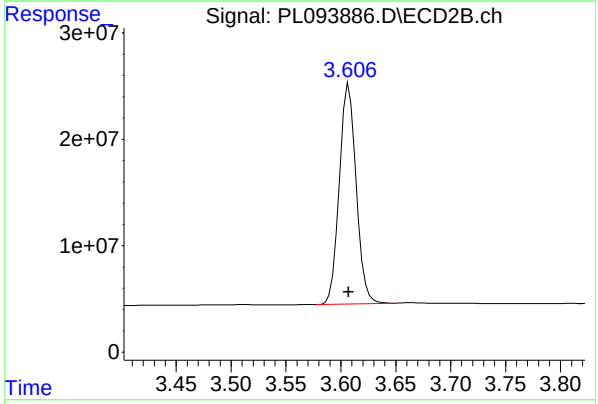
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.005 min
Response: 171531353
Conc: 46.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

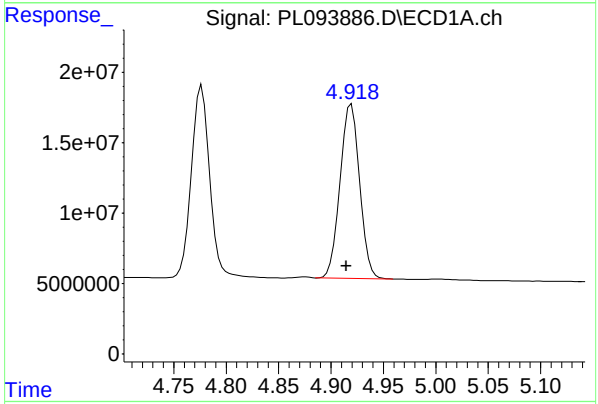
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



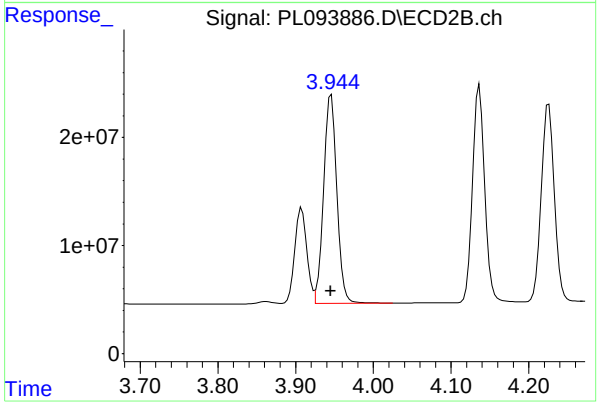
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 220281554
Conc: 46.46 ng/ml



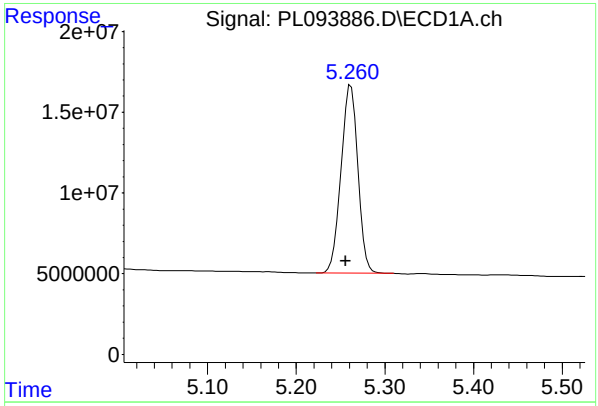
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: 0.005 min
Response: 161354317
Conc: 49.23 ng/ml



#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 227066841
Conc: 48.78 ng/ml



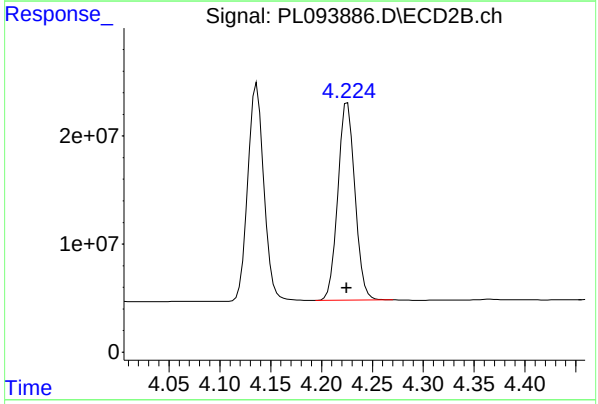
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 154151024
Conc: 47.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

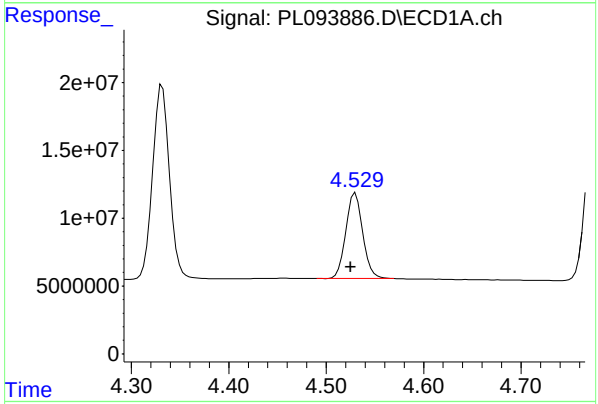
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



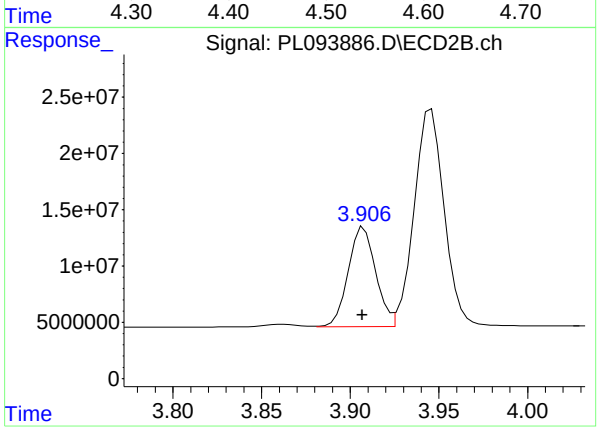
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.000 min
Response: 213434885
Conc: 46.79 ng/ml



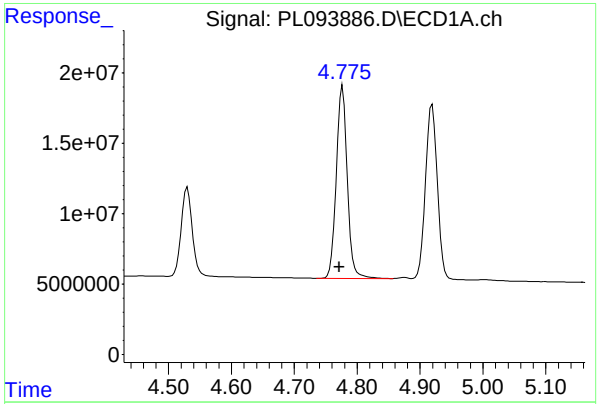
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.005 min
Response: 76008718
Conc: 47.29 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 95520644
Conc: 47.82 ng/ml



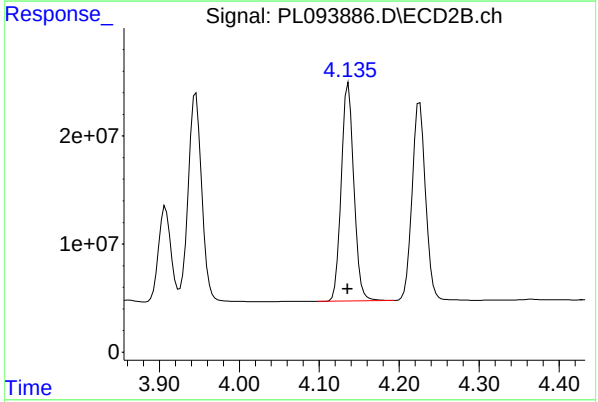
#7 delta-BHC

R.T.: 4.777 min
Delta R.T.: 0.005 min
Response: 166614625
Conc: 47.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

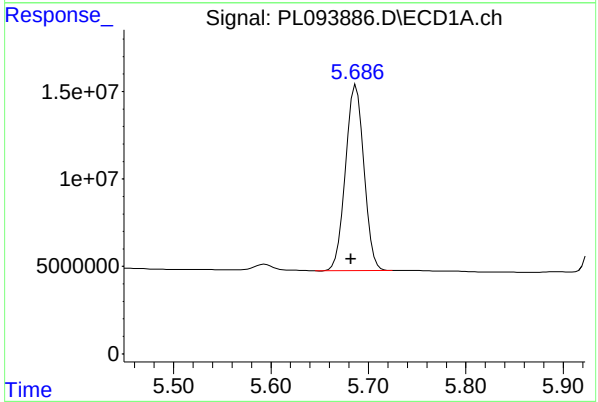
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



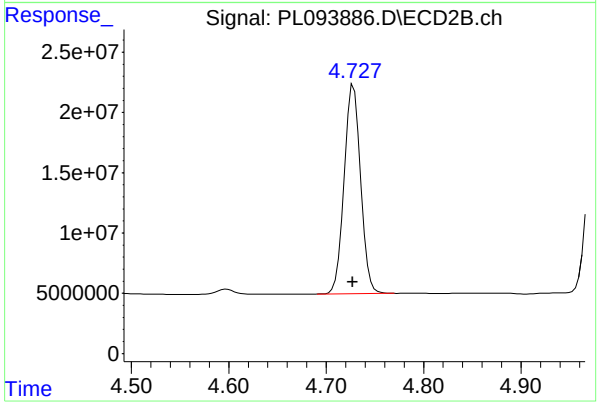
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 220878504
Conc: 46.49 ng/ml



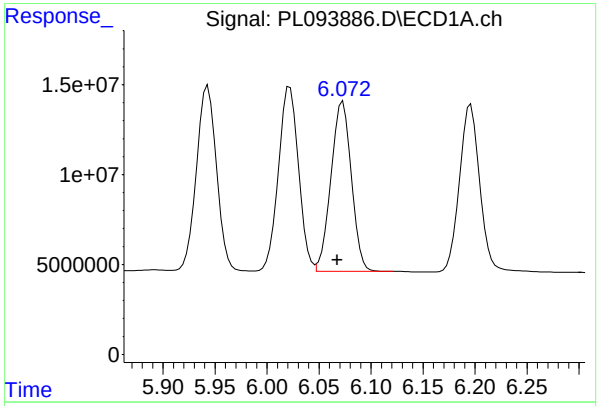
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.005 min
Response: 139782015
Conc: 47.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: 0.001 min
Response: 203313057
Conc: 48.64 ng/ml



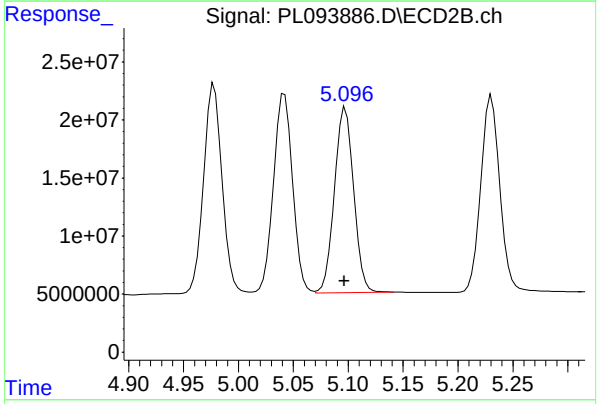
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.006 mi
Response: 128872054
Conc: 48.76 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166353BS

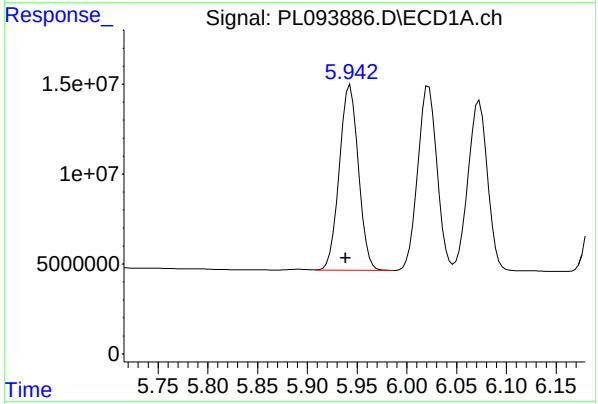
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



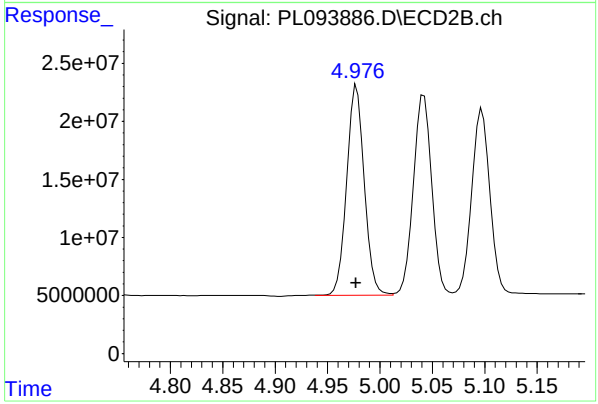
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.001 min
Response: 193586850
Conc: 49.93 ng/ml



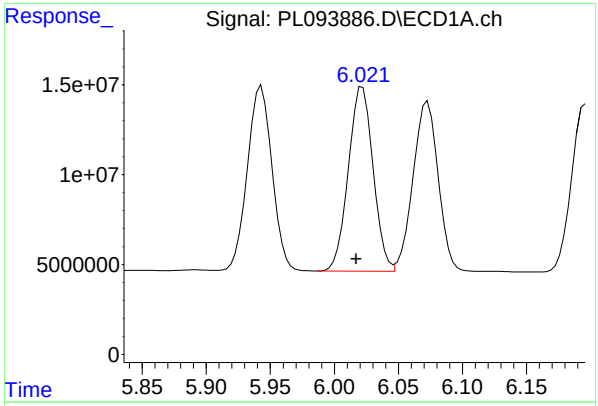
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.005 min
Response: 137996109
Conc: 49.51 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 213039067
Conc: 50.27 ng/ml m



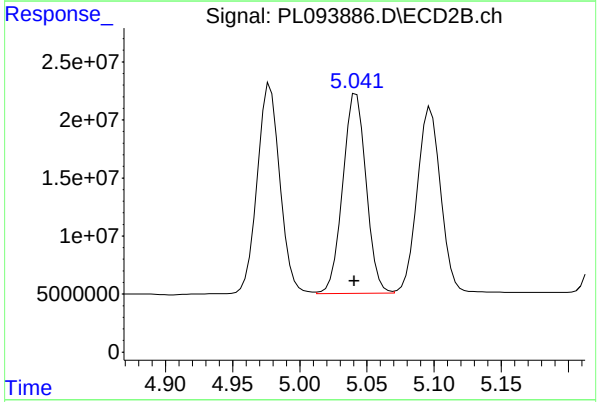
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.005 min
Response: 137954575
Conc: 49.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

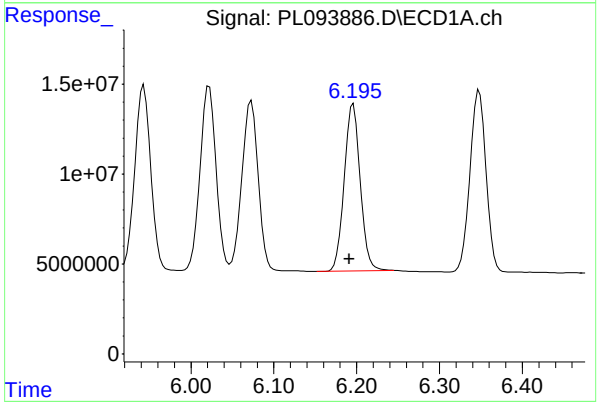
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



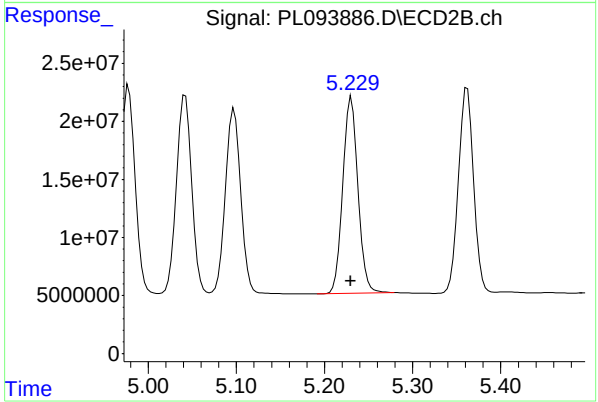
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.002 min
Response: 208521354
Conc: 49.81 ng/ml



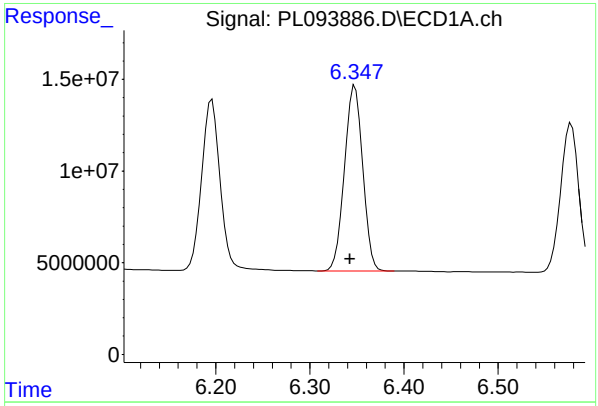
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.005 min
Response: 124657199
Conc: 51.20 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 202821995
Conc: 50.59 ng/ml



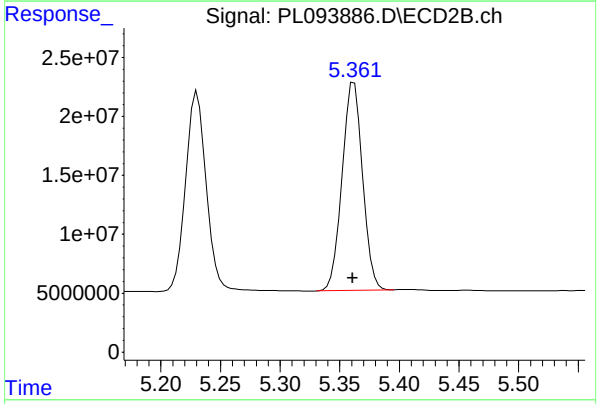
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.005 mi
Response: 136461086
Conc: 49.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166353BS

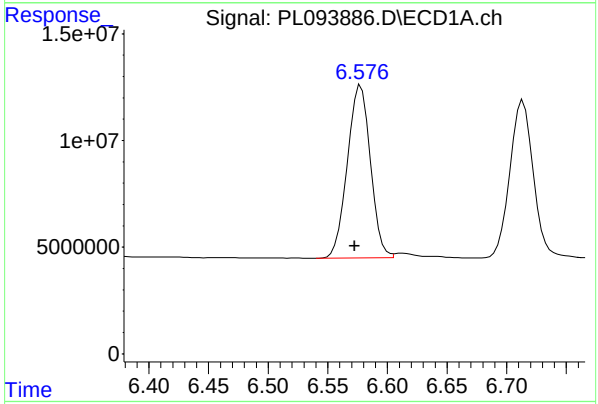
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



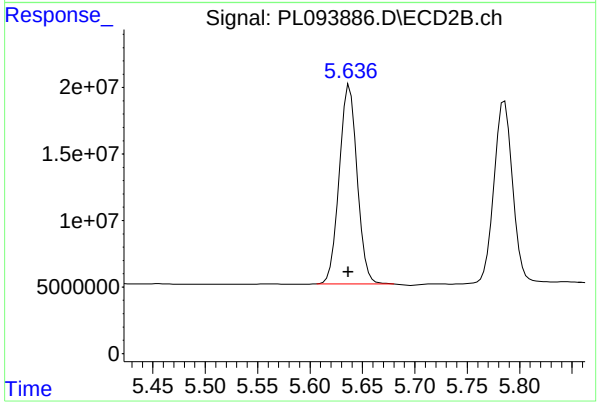
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.001 min
Response: 210757343
Conc: 49.06 ng/ml



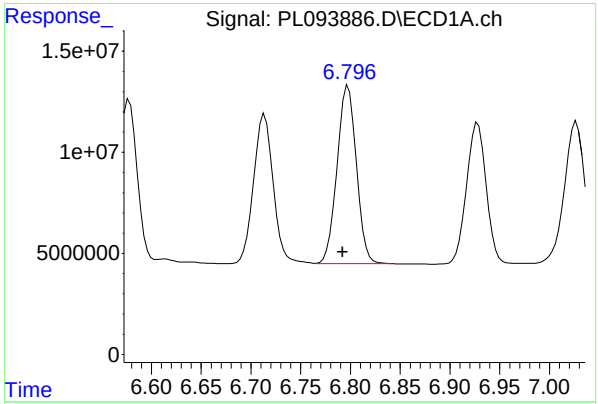
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.004 min
Response: 109132209
Conc: 46.54 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 178569658
Conc: 48.36 ng/ml



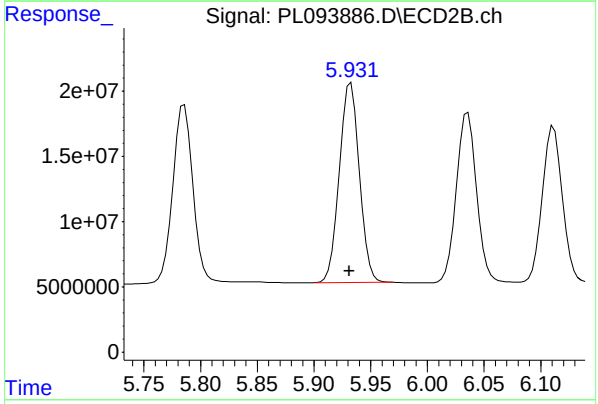
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.006 min
Response: 119375634
Conc: 49.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

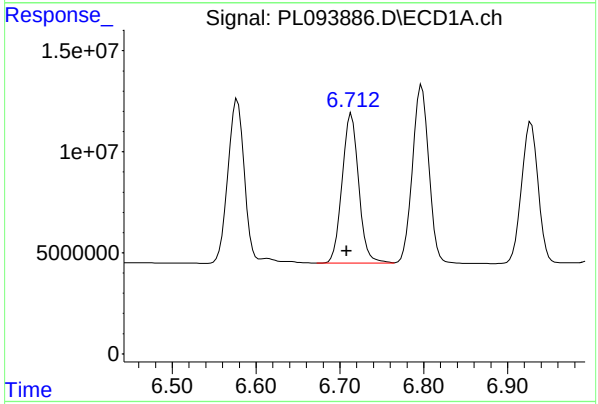
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



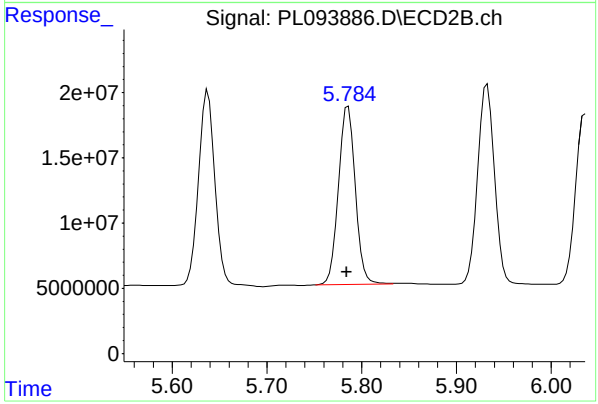
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.001 min
Response: 188010622
Conc: 50.76 ng/ml



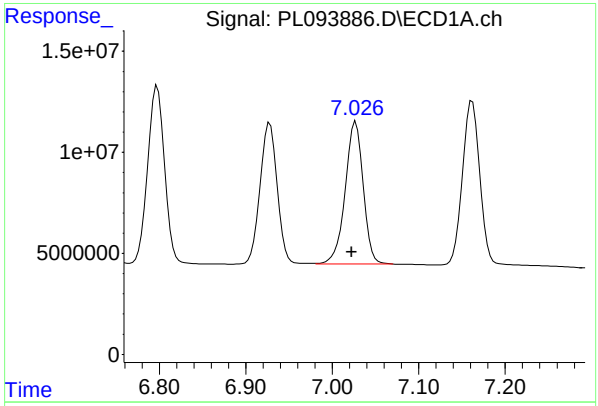
#16 4,4'-DDD

R.T.: 6.714 min
Delta R.T.: 0.006 min
Response: 101446891
Conc: 53.38 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 168714668
Conc: 53.45 ng/ml



#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.005 min
Response: 102022608
Conc: 51.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

Manual Integrations APPROVED

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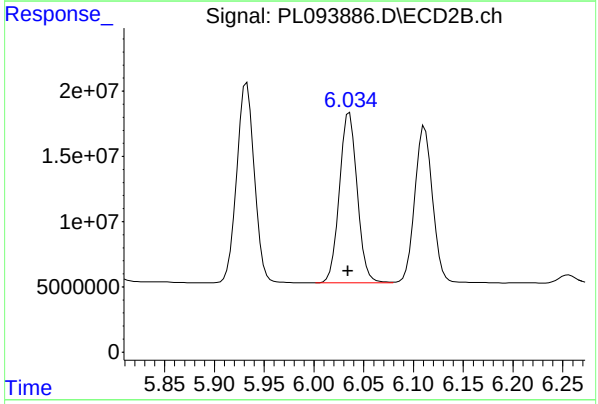
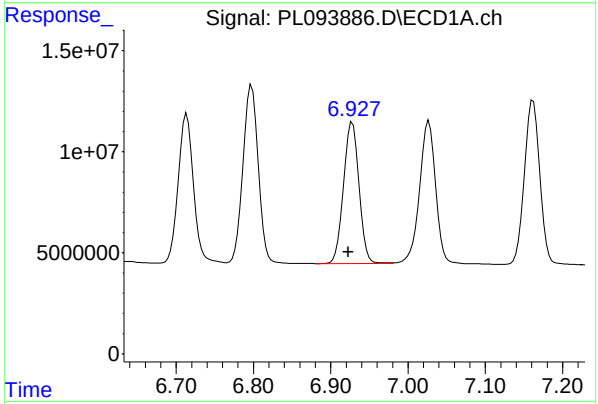
Supervised By :Ankita Jodhani 01/31/2025



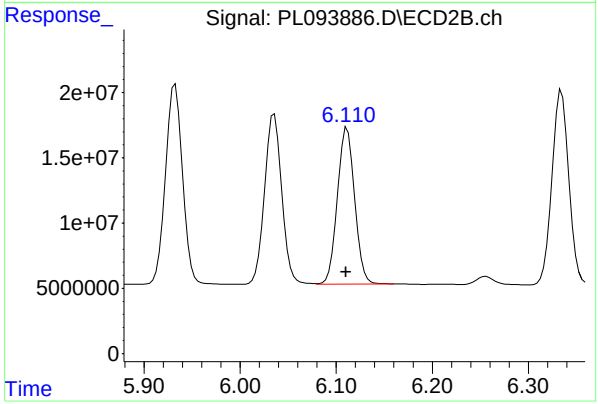
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 162615054
Conc: 49.97 ng/ml



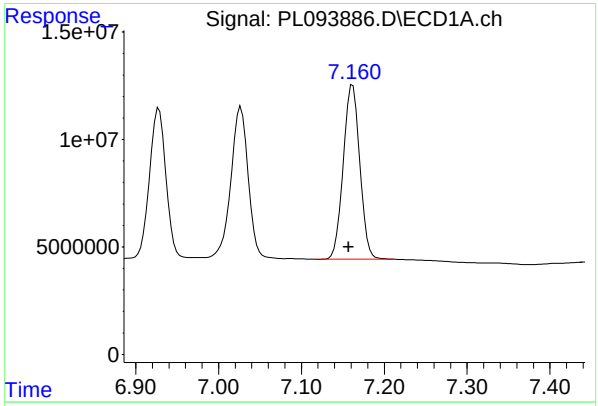
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.005 min
Response: 96744681
Conc: 49.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 147952163
Conc: 48.59 ng/ml



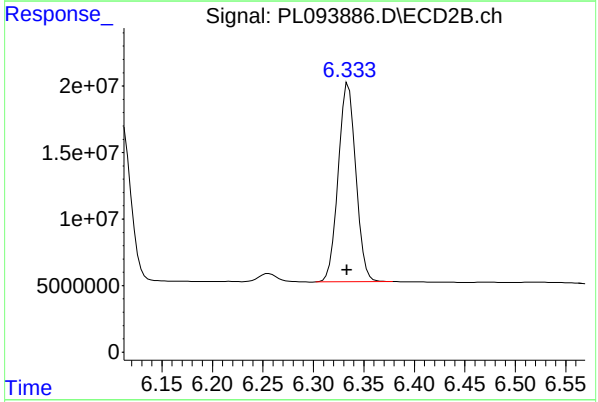
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.005 min
Response: 113004141
Conc: 49.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

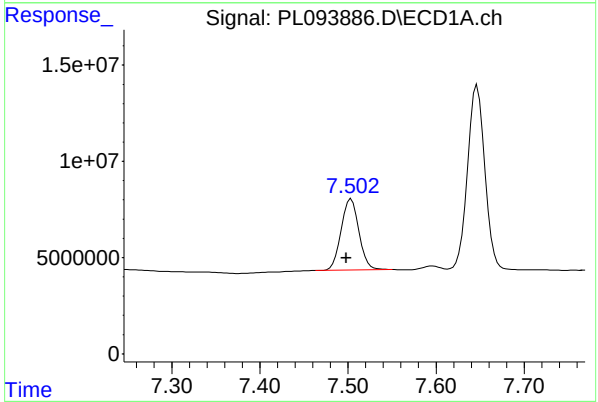
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



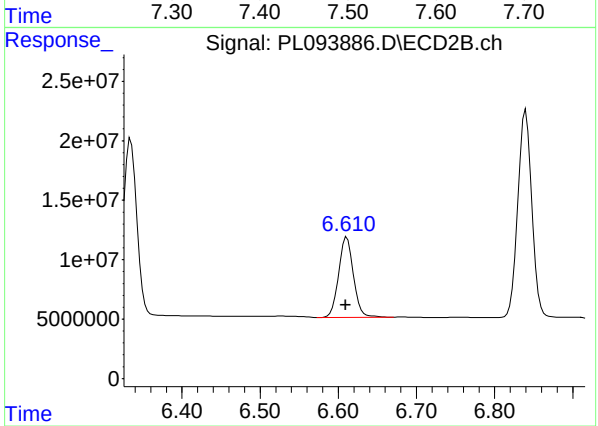
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.001 min
Response: 181604026
Conc: 50.93 ng/ml



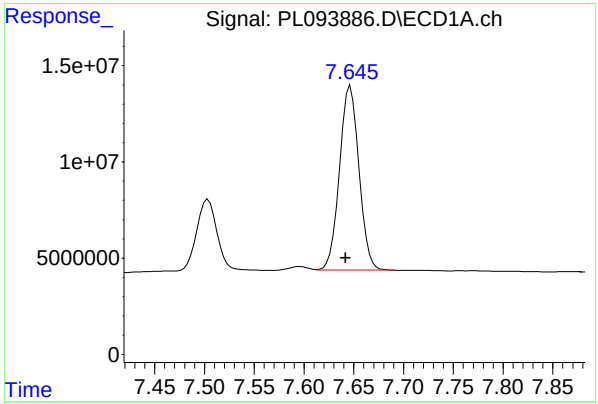
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 52123113
Conc: 49.96 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.002 min
Response: 88963804
Conc: 49.75 ng/ml



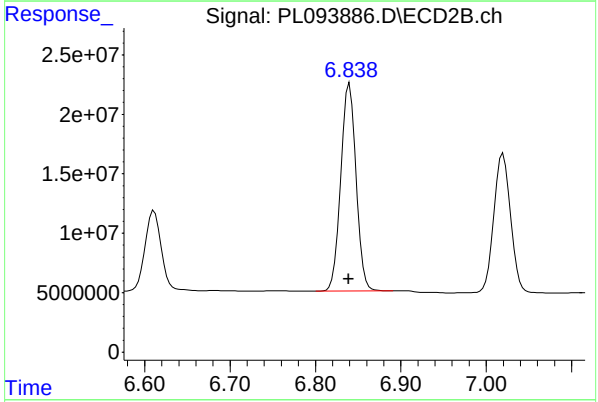
#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.005 min
Response: 130463746
Conc: 51.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166353BS

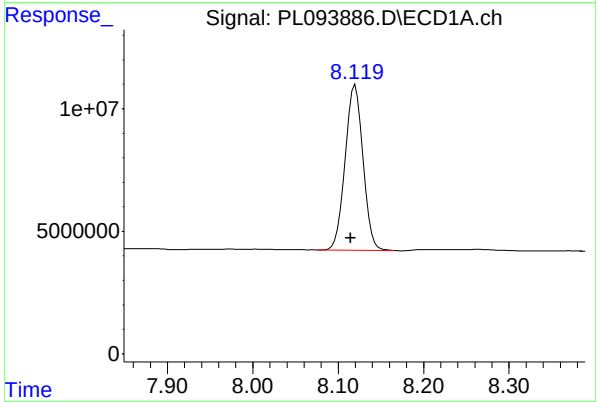
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



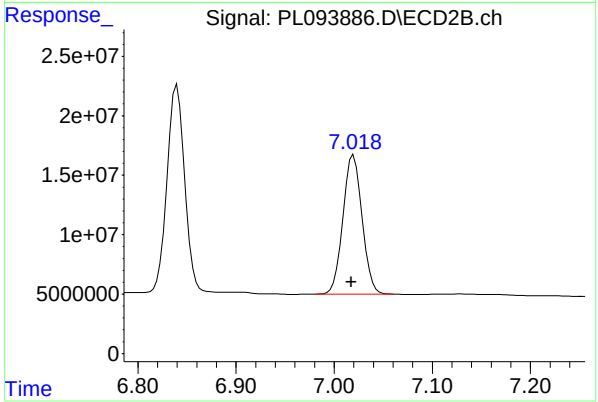
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 217241969
Conc: 51.78 ng/ml



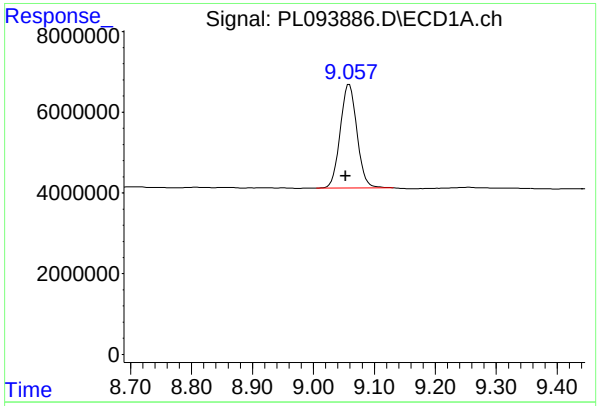
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 98251160
Conc: 47.18 ng/ml



#22 Mirex

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 158304039
Conc: 46.81 ng/ml



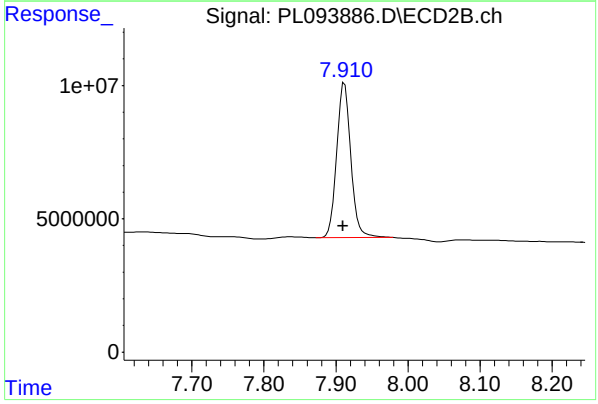
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 mi
Response: 49027892
Conc: 23.44 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166353BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.002 min
Response: 78923206
Conc: 22.52 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725MS	SDG No.:	Q1206
Lab Sample ID:	Q1206-04MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093991.D	1	01/29/25 11:20	02/03/25 15:04	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.80		0.049	0.50	ug/L
76-44-8	Heptachlor	5.80		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.90		0.090	0.50	ug/L
72-20-8	Endrin	6.00		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.70		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.50	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.6		43 - 140	138%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:04
Operator : AR\AJ
Sample : Q1206-04MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.775	58716807	69500555	21.805	21.292
28) SA	Decachlor...	9.056	7.910	54757775	96622041	26.176	27.574
	Target Compounds						
2) A	alpha-BHC	3.994	3.277	221.2E6	287.6E6	57.686	58.819
3) MA	gamma-BHC...	4.327	3.607	212.0E6	271.3E6	57.562	57.226
4) MA	Heptachlor	4.915	3.945	189.3E6	261.6E6	57.765	56.206
5) MB	Aldrin	5.257	4.224	180.4E6	251.4E6	55.134	55.110
6) B	beta-BHC	4.525	3.907	93766816	118.7E6	58.337	59.449
7) B	delta-BHC	4.772	4.135	203.9E6	281.3E6	58.179	59.201
8) B	Heptachlo...	5.683	4.727	164.6E6	246.1E6	55.346	58.863
9) A	Endosulfan I	6.069	5.097	152.4E6	235.8E6	57.675	60.818
10) B	gamma-Chl...	5.939	4.977	164.0E6	260.3E6	58.835	61.433
11) B	alpha-Chl...	6.018	5.040	162.5E6	254.6E6	58.279	60.816
12) B	4,4'-DDE	6.192	5.229	153.0E6	255.0E6	62.849	63.607
13) MA	Dieldrin	6.344	5.361	161.7E6	260.8E6	58.246	60.705
14) MA	Endrin	6.572	5.637	137.3E6	223.3E6	58.569m	60.458
15) B	Endosulfa...	6.793	5.931	138.2E6	220.0E6	57.375	59.399
16) A	4,4'-DDD	6.709	5.784	117.6E6	204.2E6	61.873	64.686
17) MA	4,4'-DDT	7.023	6.034	124.9E6	197.4E6	63.317	60.666
18) B	Endrin al...	6.924	6.110	102.7E6	151.2E6	52.840	49.670
19) B	Endosulfa...	7.159	6.334	127.4E6	199.0E6	56.268	55.810
20) A	Methoxychlor	7.500	6.609	59924575	95173685	57.432	53.225
21) B	Endrin ke...	7.643	6.838	138.8E6	226.2E6	55.013	53.930
22)	Mirex	8.116	7.018	102.0E6	163.7E6	48.974	48.419

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

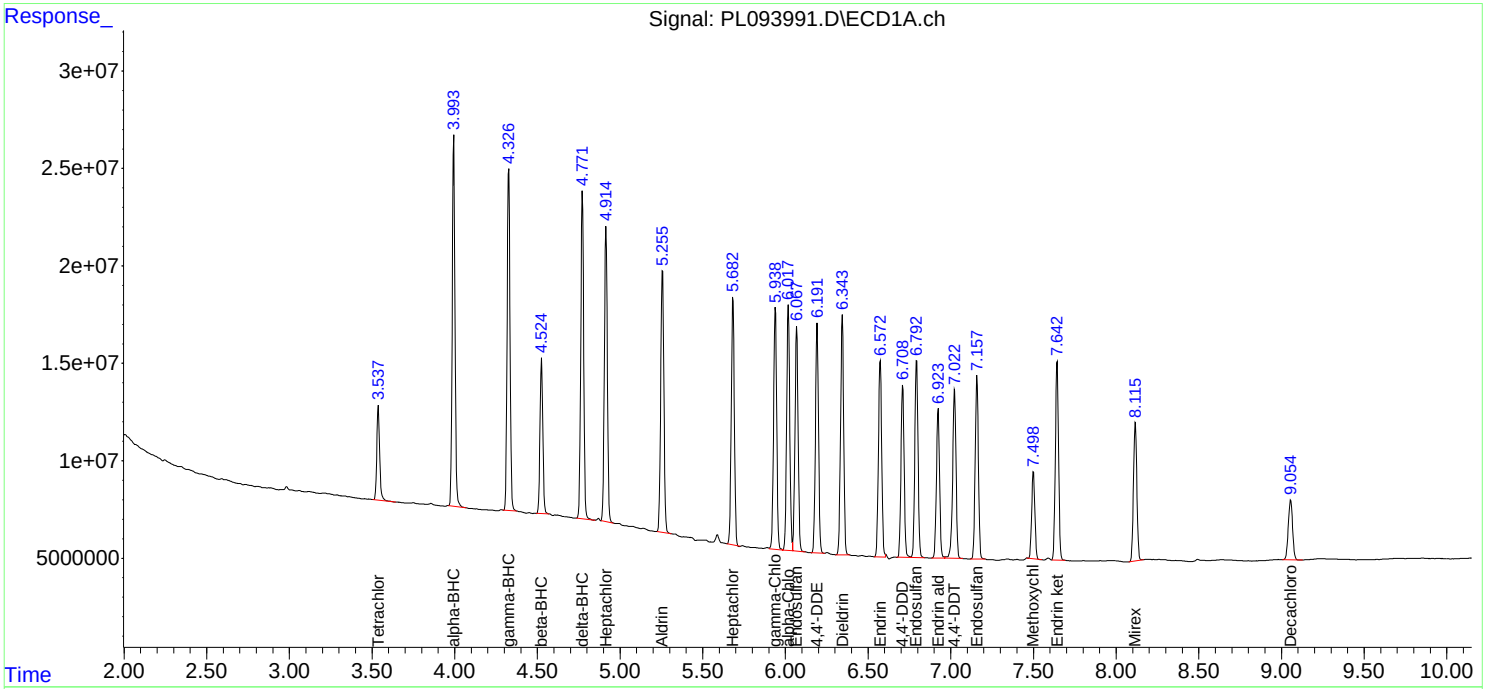
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:04
Operator : AR\AJ
Sample : Q1206-04MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

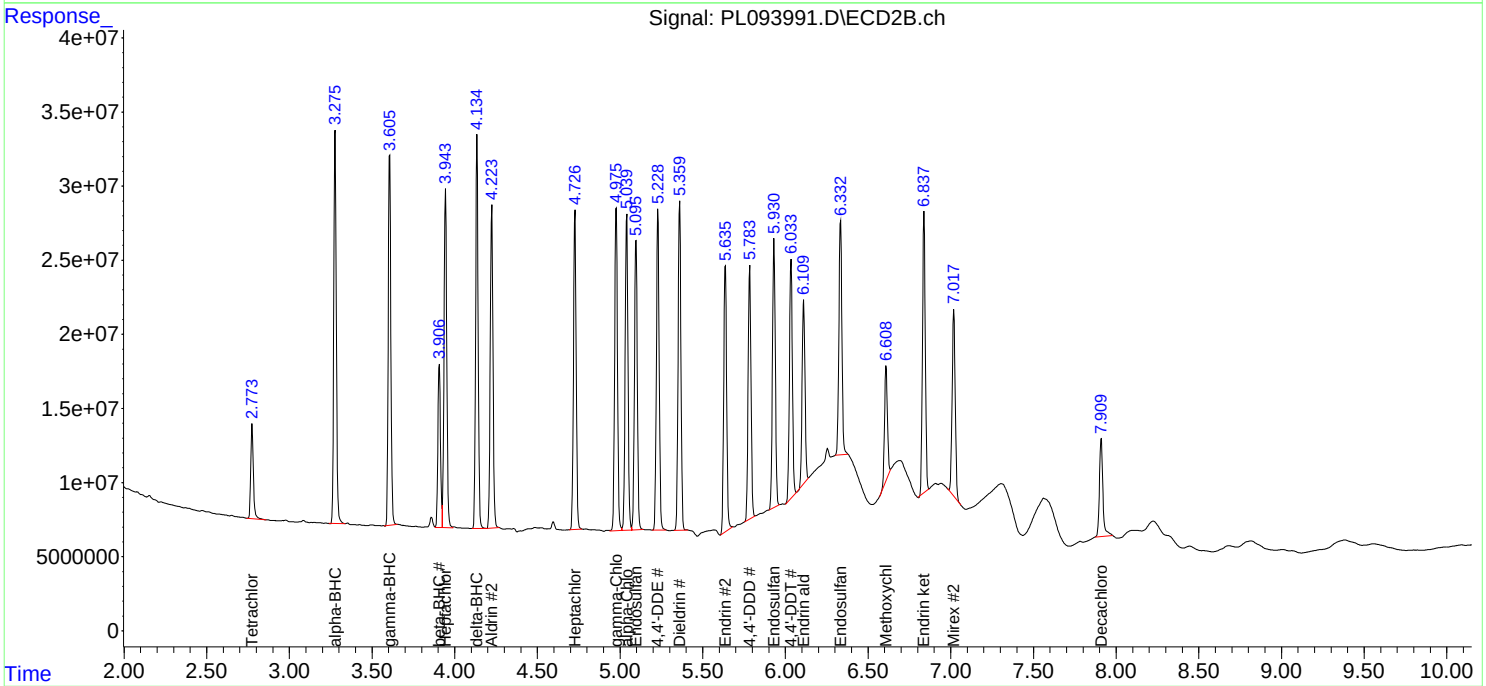
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:42:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

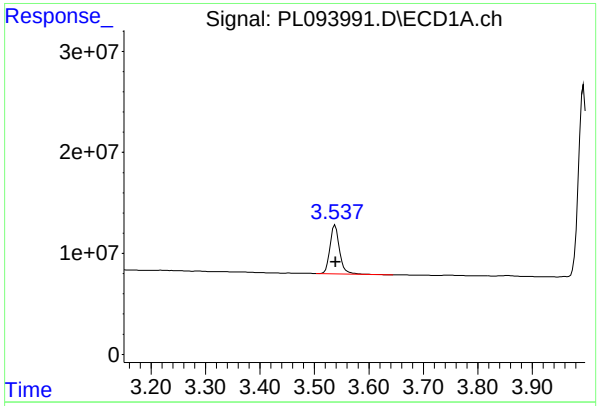
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025







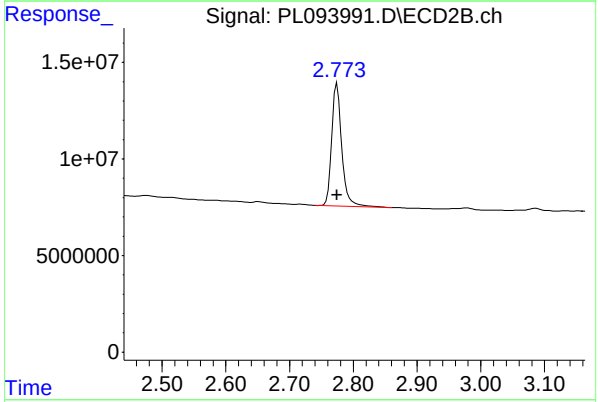
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 58716807
Conc: 21.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MS

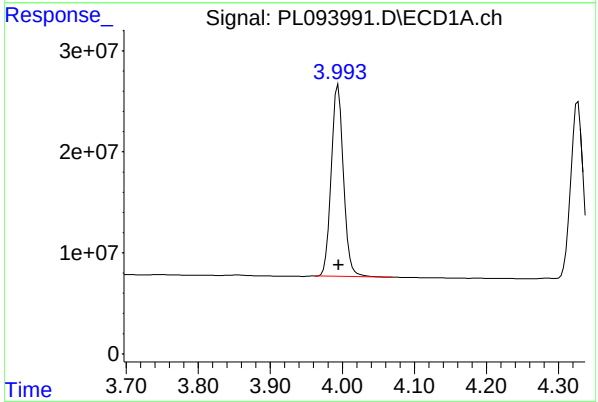
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



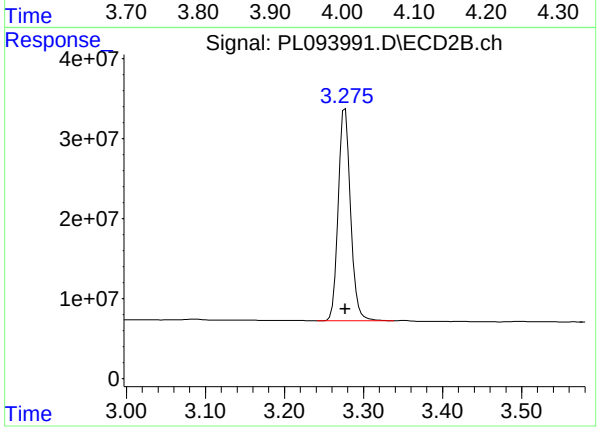
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 69500555
Conc: 21.29 ng/ml



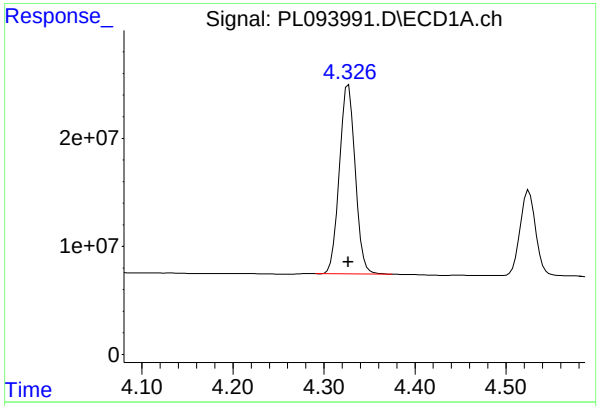
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 221157552
Conc: 57.69 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 287564346
Conc: 58.82 ng/ml



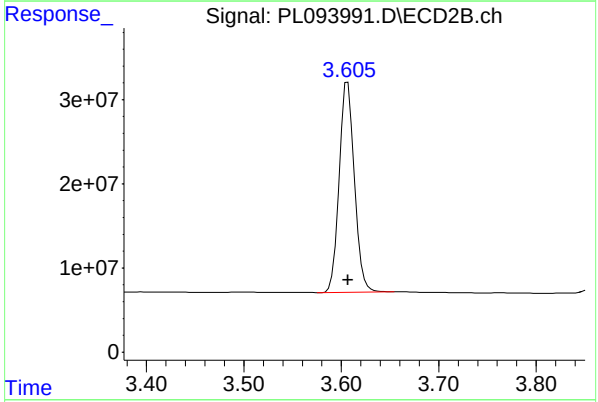
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 211990293
Conc: 57.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MS

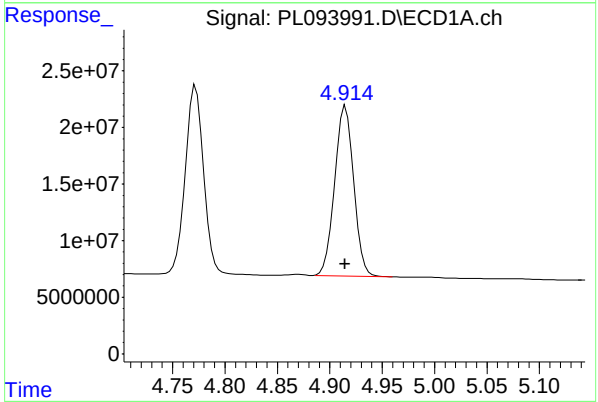
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



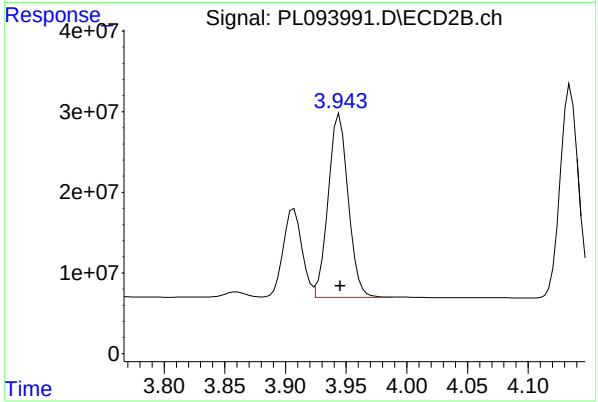
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 271320959
Conc: 57.23 ng/ml



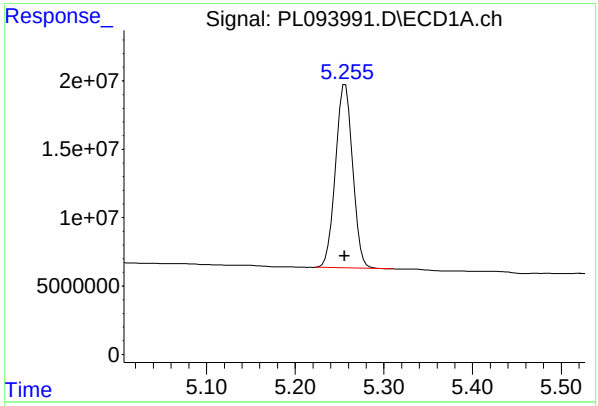
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 189315749
Conc: 57.77 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 261628888
Conc: 56.21 ng/ml



#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 180396435
Conc: 55.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MS

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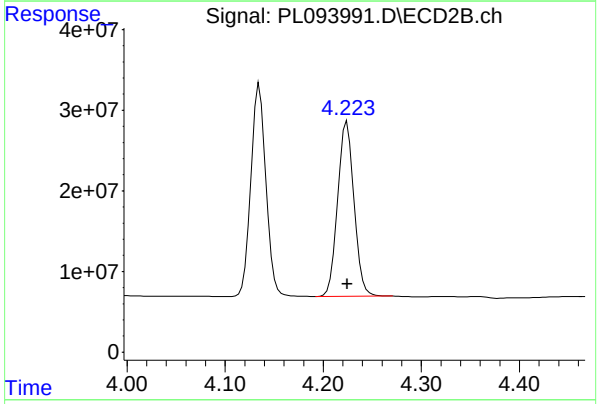
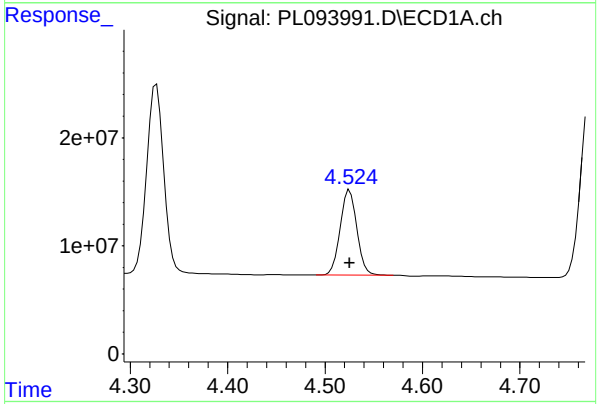


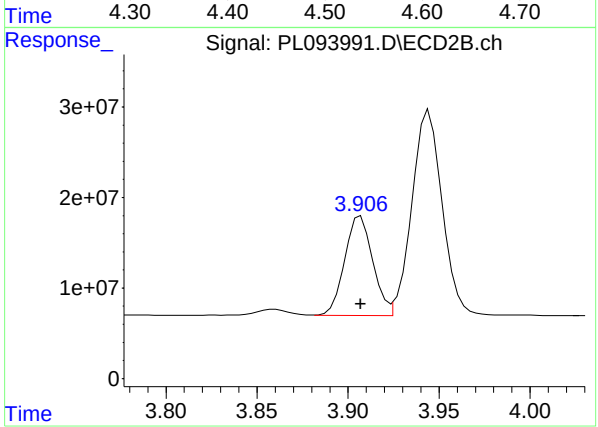
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 251400933
Conc: 55.11 ng/ml



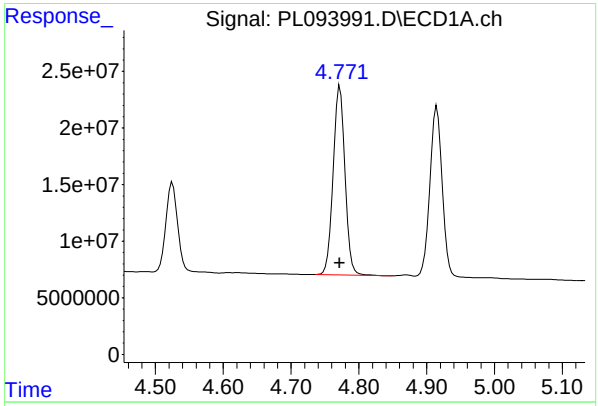
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 93766816
Conc: 58.34 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 118746611
Conc: 59.45 ng/ml



#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 203935550
Conc: 58.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
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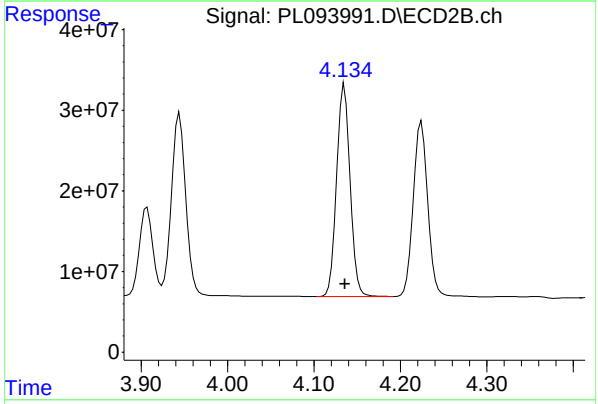
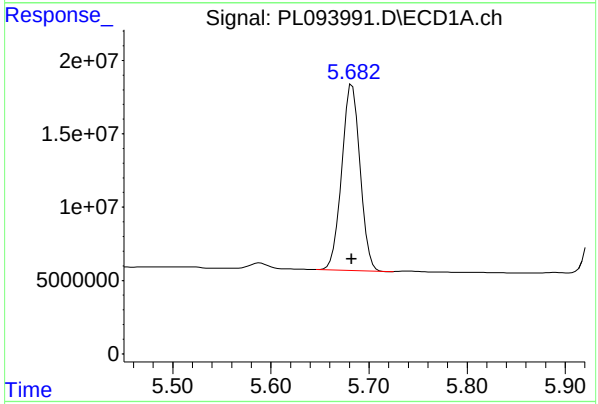


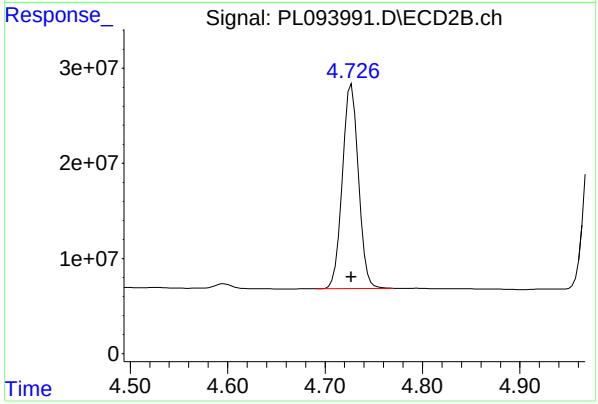
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 281279147
Conc: 59.20 ng/ml



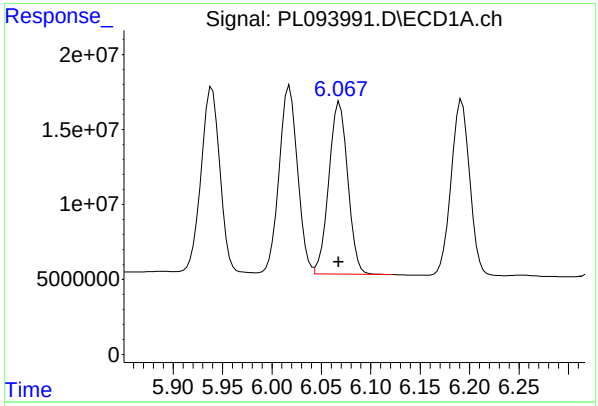
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 164588840
Conc: 55.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 246064105
Conc: 58.86 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.001 min
Response: 152427506
Conc: 57.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
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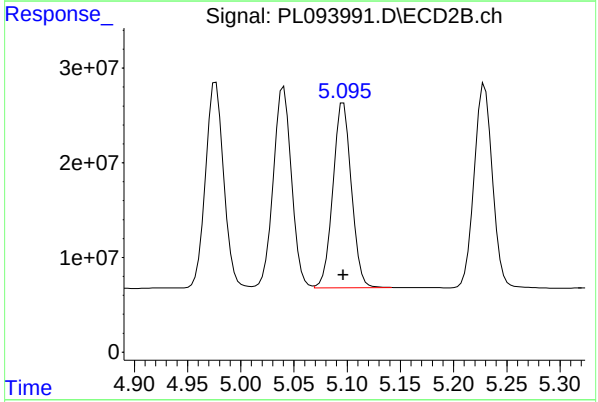
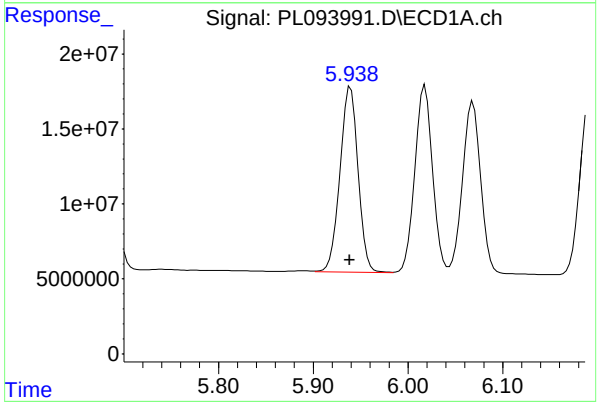


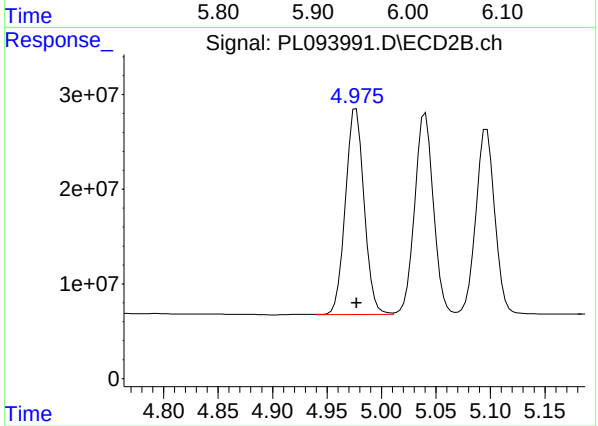
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 235785868
Conc: 60.82 ng/ml



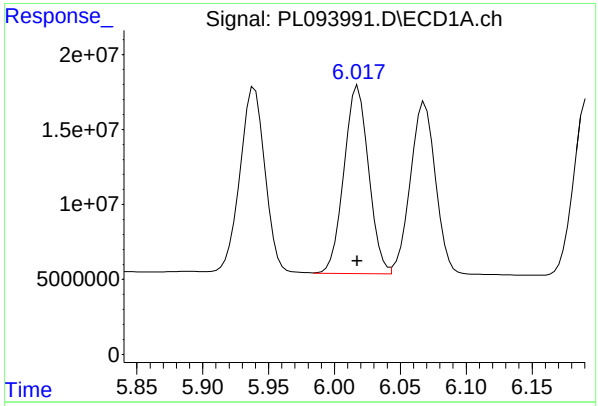
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.001 min
Response: 163995046
Conc: 58.84 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 260328365
Conc: 61.43 ng/ml



#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 162505117
Conc: 58.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
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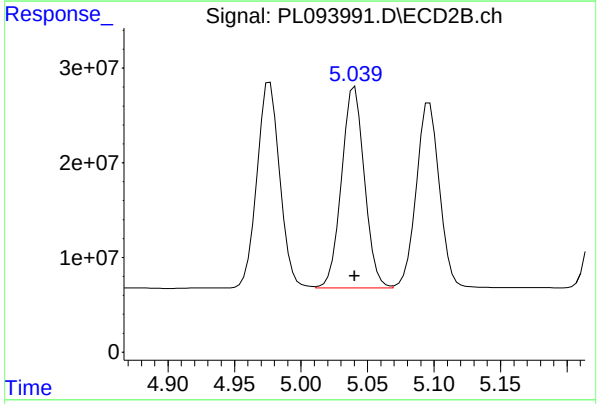
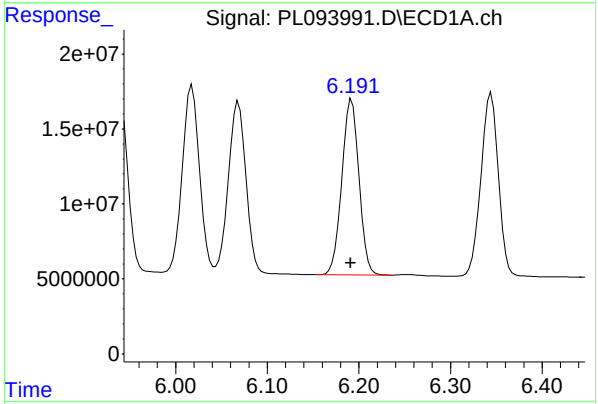


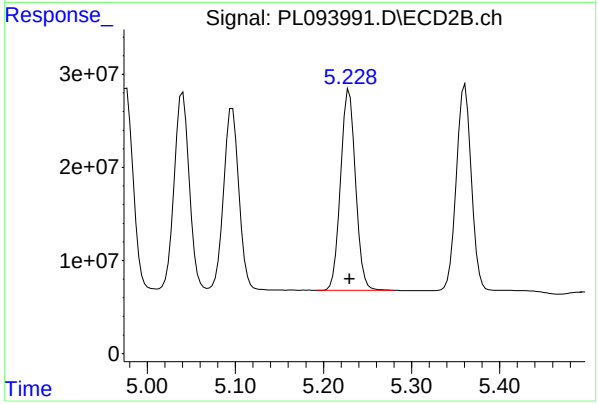
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 254609363
Conc: 60.82 ng/ml



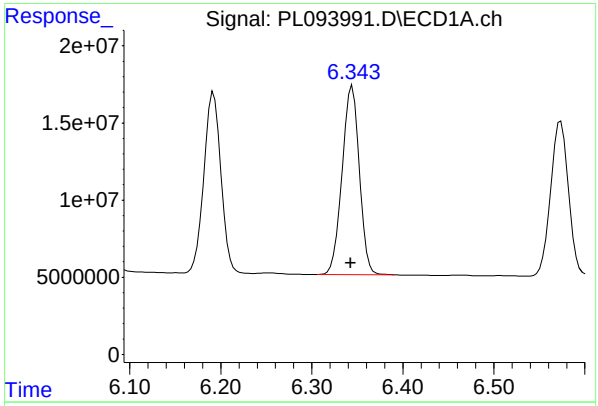
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 153010964
Conc: 62.85 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 255031620
Conc: 63.61 ng/ml



#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.002 mi
Response: 161682346
Conc: 58.25 ng/m

Instrument :
ECD_L
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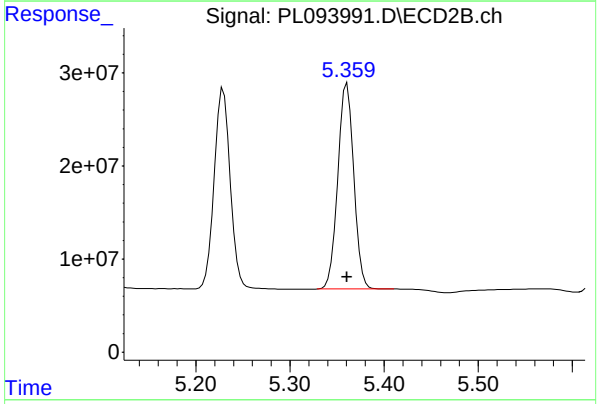
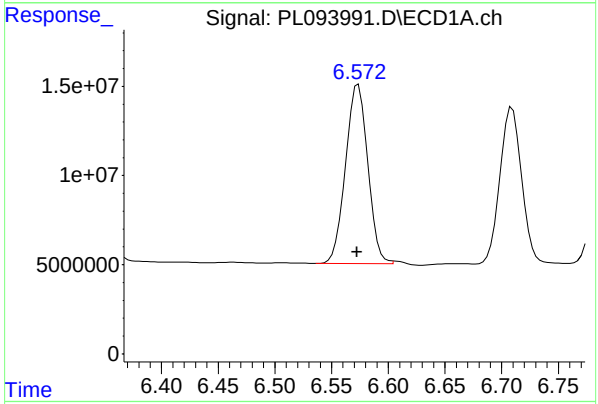


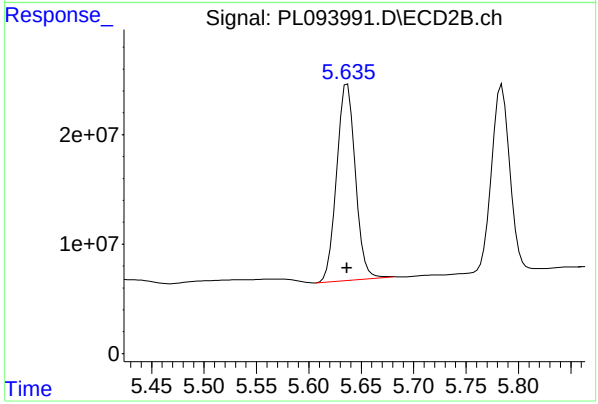
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 260766318
Conc: 60.70 ng/ml



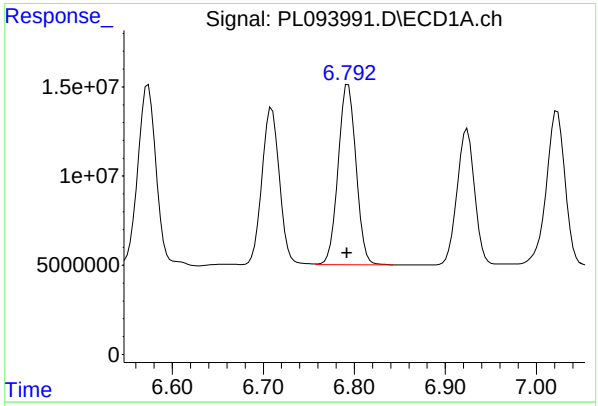
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 137333734
Conc: 58.57 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 223252119
Conc: 60.46 ng/ml



#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 138235752
Conc: 57.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
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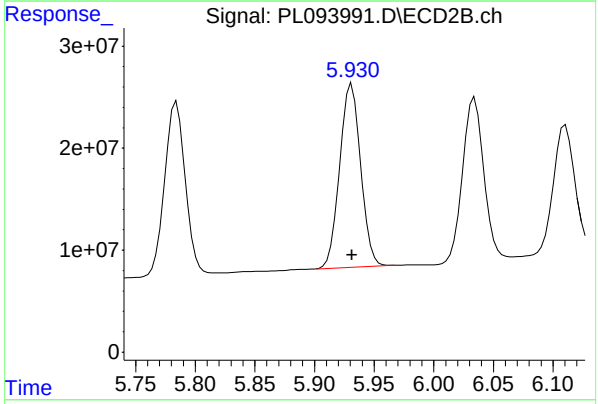
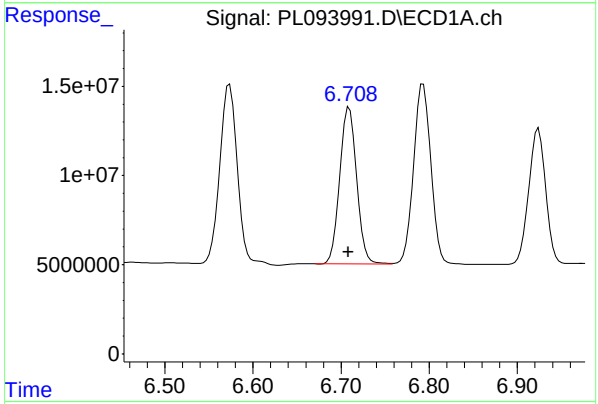


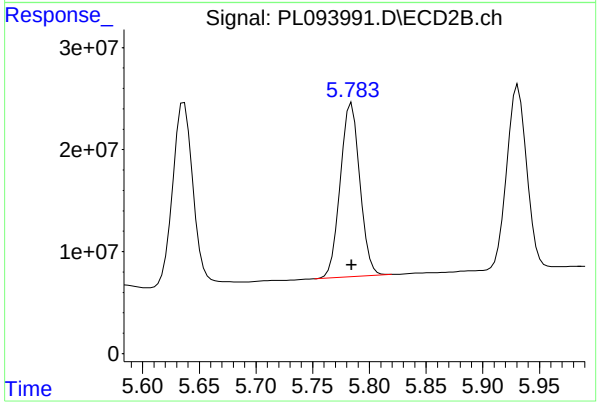
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 220005164
Conc: 59.40 ng/ml



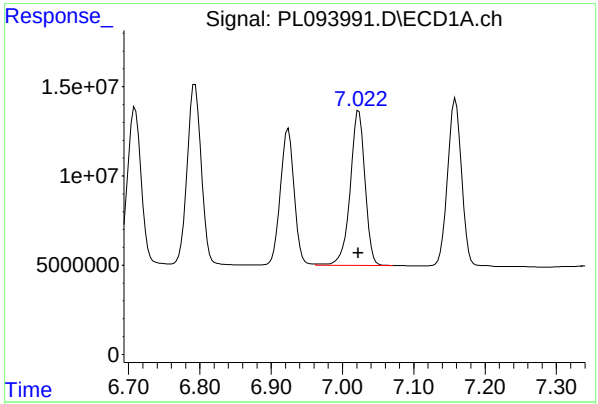
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 117594272
Conc: 61.87 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 204182628
Conc: 64.69 ng/ml



#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 124865630
Conc: 63.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
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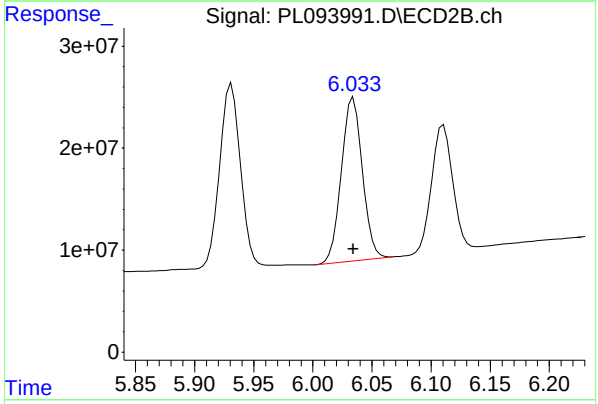
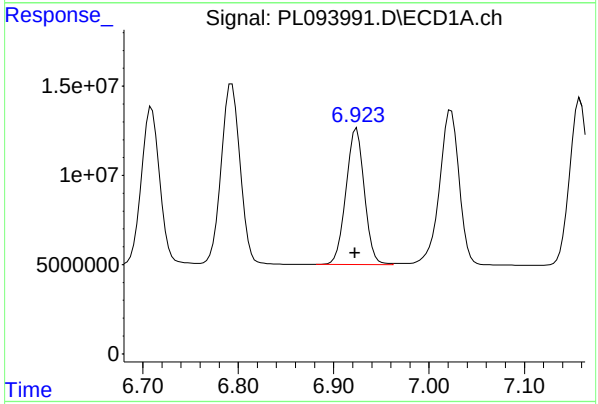


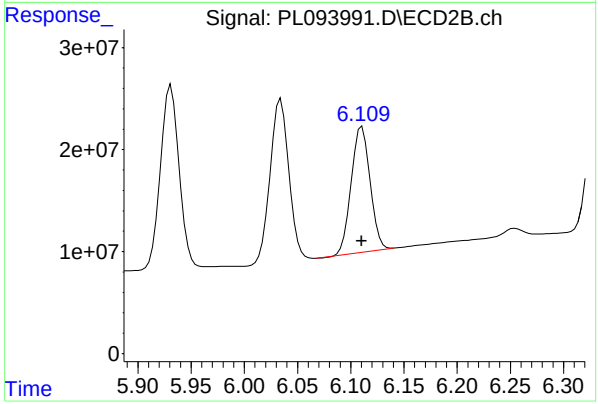
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 197410087
Conc: 60.67 ng/ml



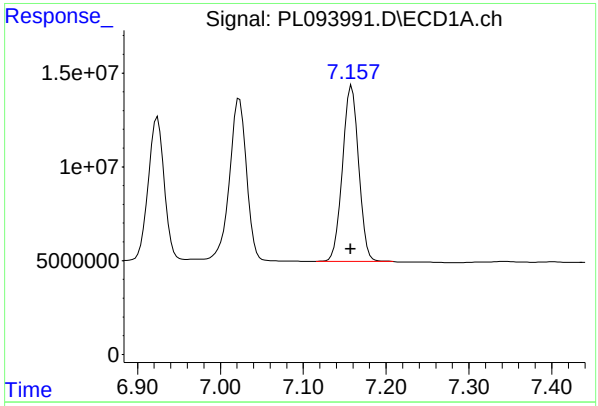
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 102723814
Conc: 52.84 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 151225979
Conc: 49.67 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.001 min
Response: 127376464
Conc: 56.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
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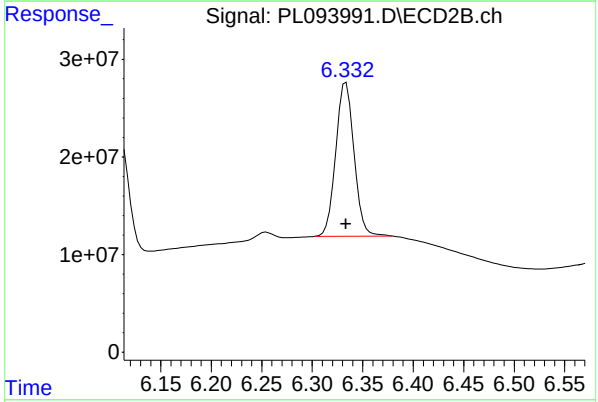
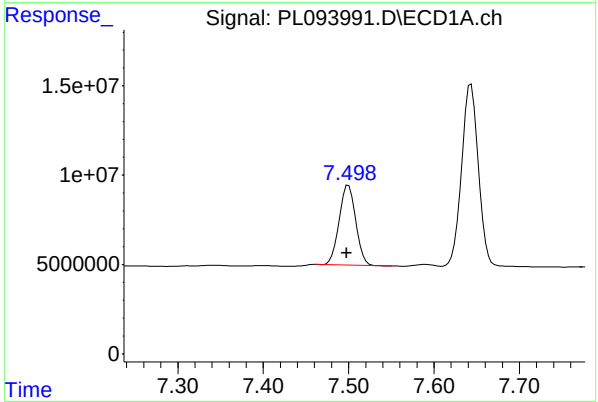


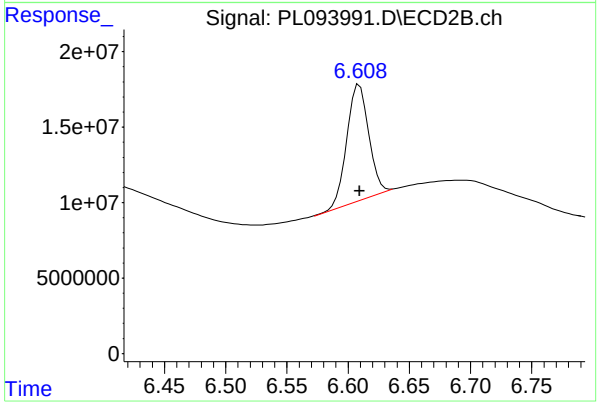
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 199022048
Conc: 55.81 ng/ml



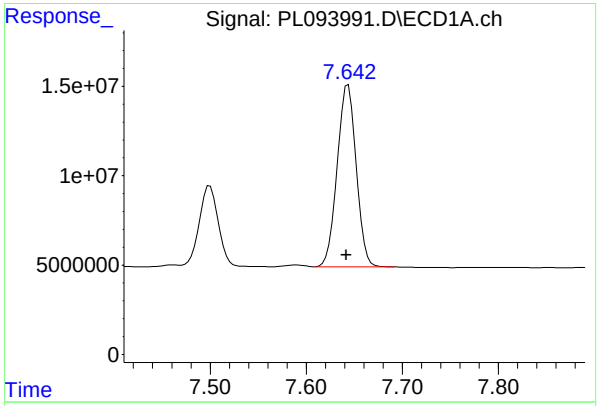
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 59924575
Conc: 57.43 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 95173685
Conc: 53.23 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.002 min
Response: 138778336
Conc: 55.01 ng/ml

Instrument :
ECD_L
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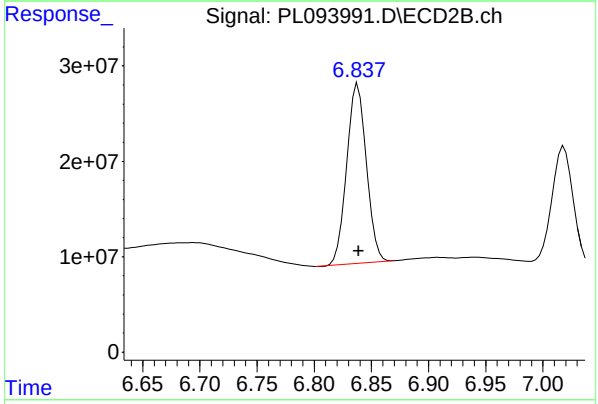
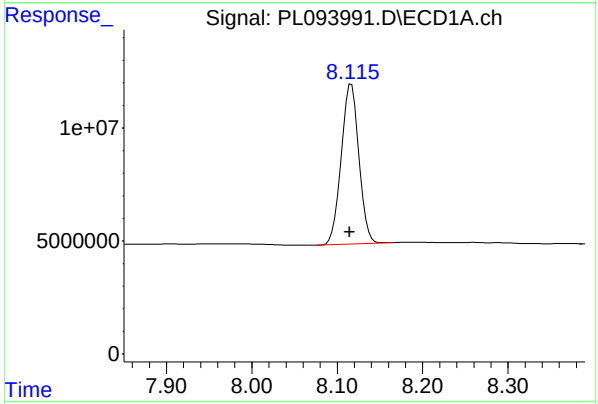


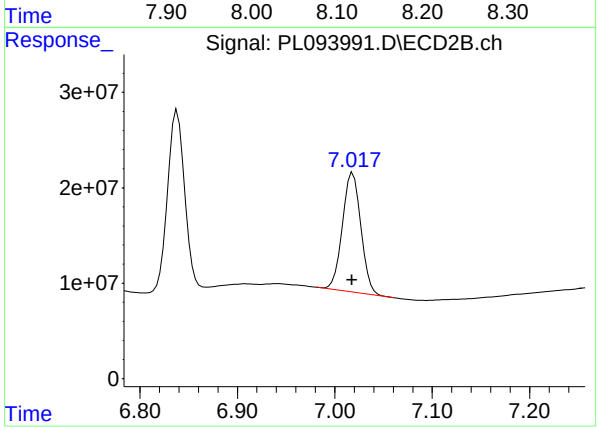
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 226248331
Conc: 53.93 ng/ml



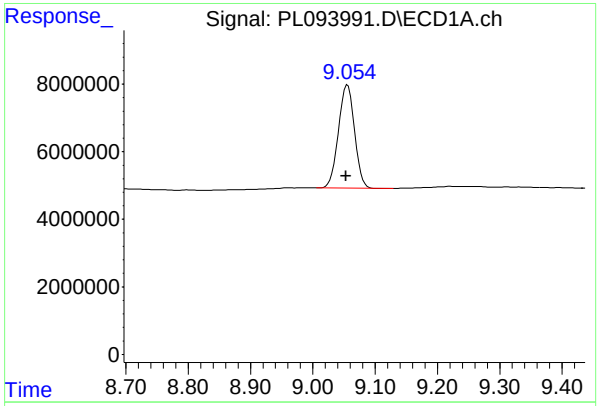
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.002 min
Response: 101988311
Conc: 48.97 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 163749063
Conc: 48.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 54757775
Conc: 26.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
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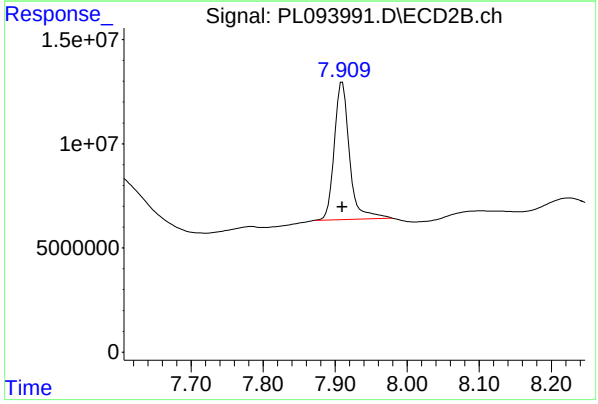


#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 96622041
Conc: 27.57 ng/ml

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725MSD	SDG No.:	Q1206
Lab Sample ID:	Q1206-04MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093992.D	1	01/29/25 11:20	02/03/25 15:22	PB166353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.70		0.049	0.50	ug/L
76-44-8	Heptachlor	5.70		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.090	0.50	ug/L
72-20-8	Endrin	6.30		0.043	0.50	ug/L
72-43-5	Methoxychlor	6.10		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.50	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.5		43 - 140	138%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1206-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:43:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.544	2.775	57462612	68552053	21.340	21.001
28)	SA Decachlor...	9.060	7.912	55547500	96460300	26.553	27.528
	Target Compounds						
2)	A alpha-BHC	4.000	3.277	220.4E6	280.0E6	57.490	57.281
3)	MA gamma-BHC...	4.333	3.608	209.8E6	265.8E6	56.956	56.063
4)	MA Heptachlor	4.921	3.945	188.2E6	257.3E6	57.423	55.287
5)	MB Aldrin	5.262	4.225	179.7E6	247.2E6	54.915	54.189
6)	B beta-BHC	4.531	3.908	92413795	116.4E6	57.495	58.291
7)	B delta-BHC	4.778	4.136	203.3E6	278.6E6	57.985	58.643
8)	B Heptachlo...	5.688	4.728	157.5E6	243.4E6	52.972	58.218
9)	A Endosulfan I	6.074	5.098	152.0E6	230.2E6	57.516	59.375
10)	B gamma-Chl...	5.944	4.978	164.2E6	256.8E6	58.913	60.606
11)	B alpha-Chl...	6.024	5.042	162.1E6	251.6E6	58.143	60.088
12)	B 4,4'-DDE	6.198	5.231	153.6E6	252.8E6	63.091	63.043
13)	MA Dieldrin	6.350	5.363	160.9E6	263.8E6	57.968	61.407
14)	MA Endrin	6.579	5.638	134.2E6	232.4E6	57.227	62.928
15)	B Endosulfa...	6.799	5.933	139.3E6	230.1E6	57.832	62.134
16)	A 4,4'-DDD	6.715	5.786	118.5E6	208.5E6	62.361	66.040
17)	MA 4,4'-DDT	7.029	6.036	124.8E6	214.5E6	63.269	65.932
18)	B Endrin al...	6.929	6.112	103.7E6	172.0E6	53.346	56.495
19)	B Endosulfa...	7.163	6.335	128.4E6	218.8E6	56.725	61.366
20)	A Methoxychlor	7.504	6.612	63024948	108.4E6	60.404	60.644
21)	B Endrin ke...	7.648	6.841	140.9E6	249.1E6	55.841	59.388
22)	Mirex	8.121	7.020	103.0E6	178.7E6	49.465	52.850

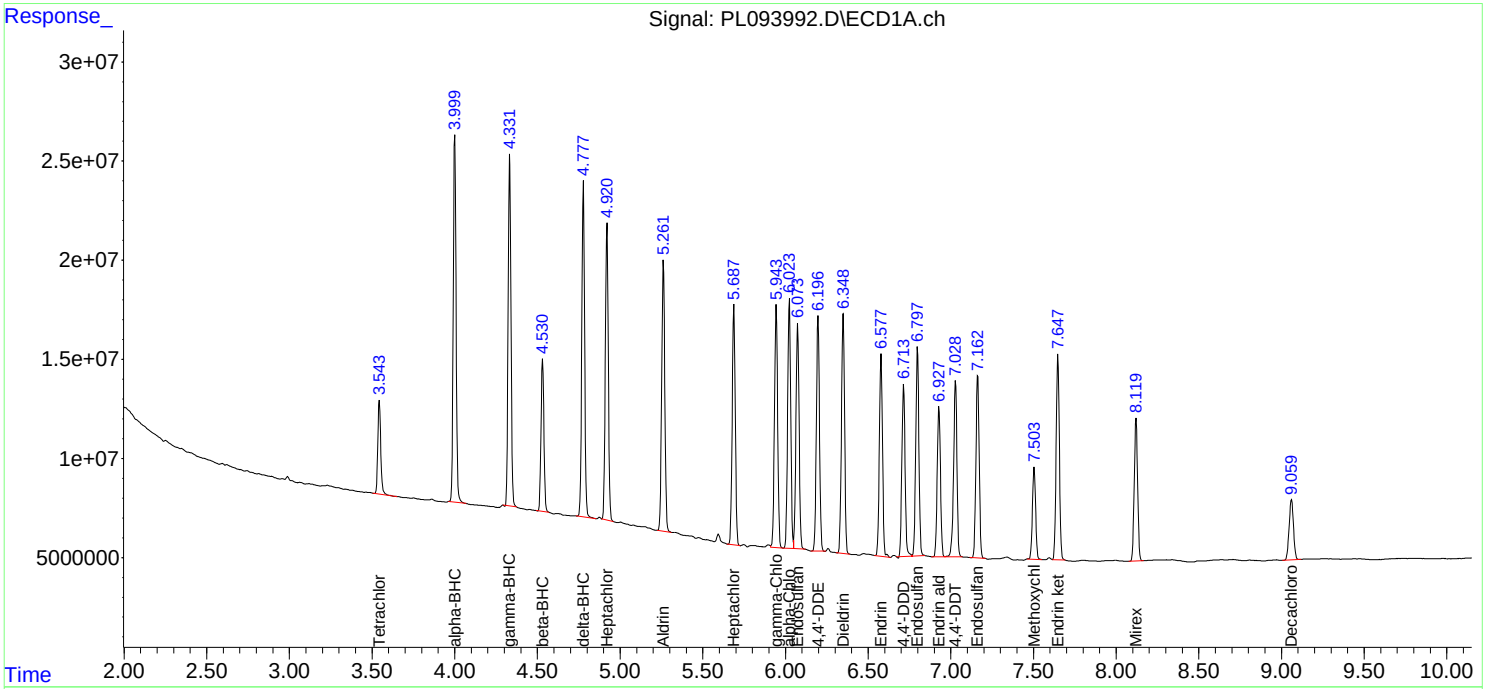
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

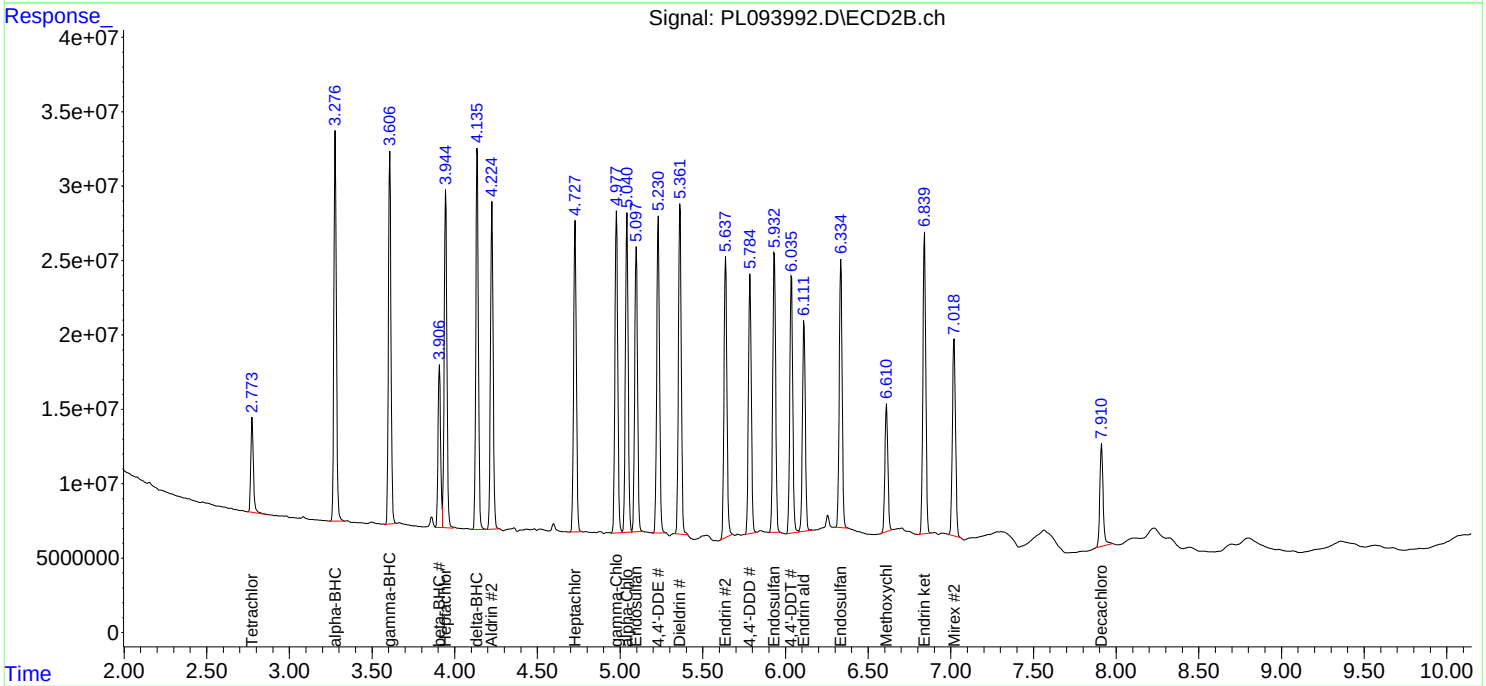
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL093992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:22
Operator : AR\AJ
Sample : Q1206-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

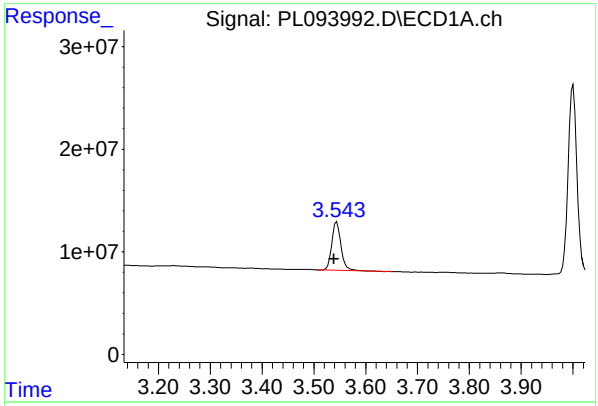
Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:43:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



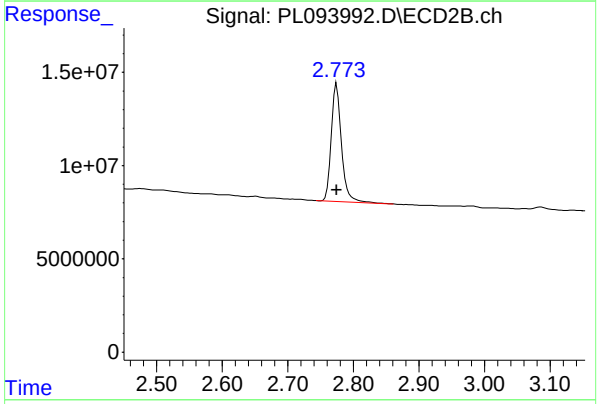




#1 Tetrachloro-m-xylene

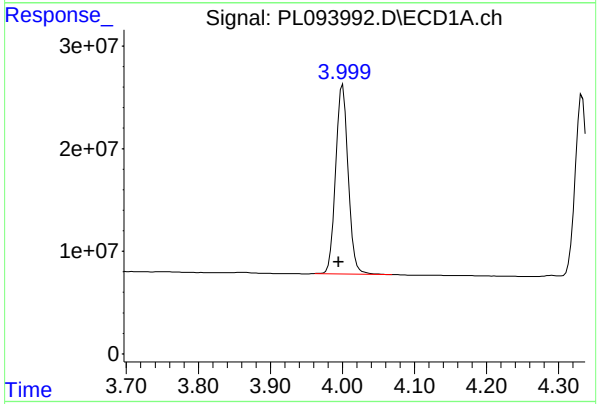
R.T.: 3.544 min
Delta R.T.: 0.005 min
Response: 57462612
Conc: 21.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



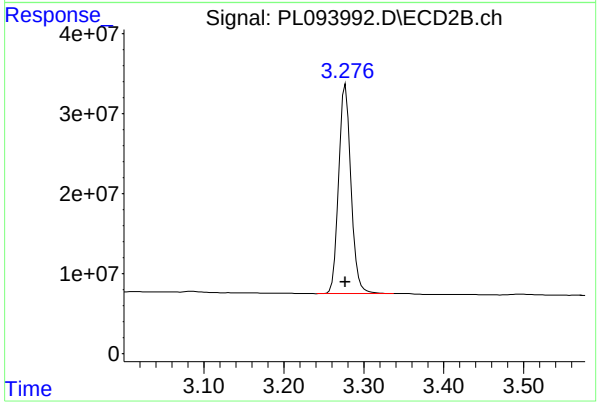
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 68552053
Conc: 21.00 ng/ml



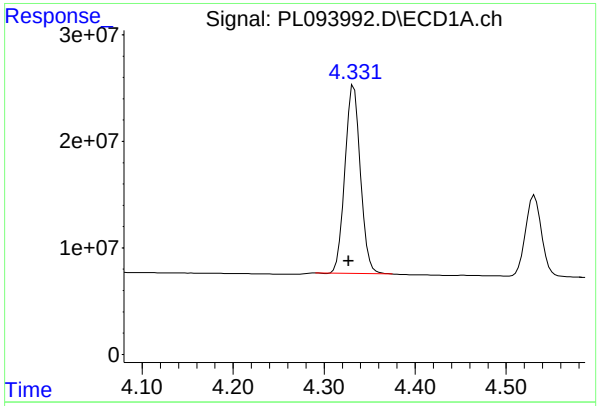
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.006 min
Response: 220409107
Conc: 57.49 ng/ml



#2 alpha-BHC

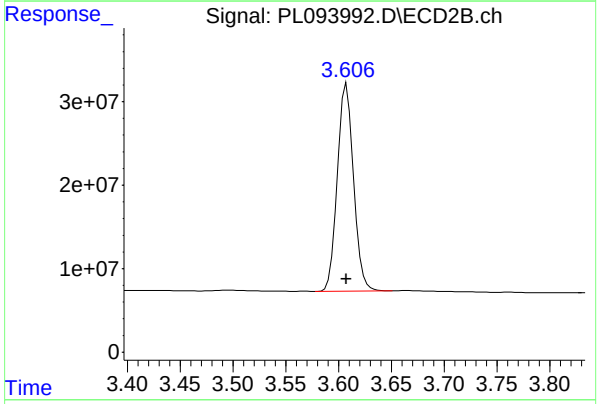
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 280044482
Conc: 57.28 ng/ml



#3 gamma-BHC (Lindane)

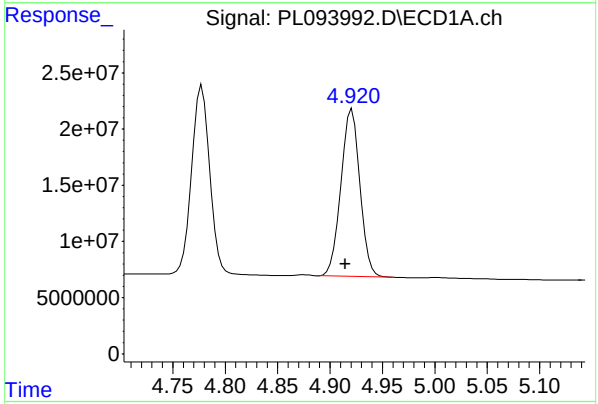
R.T.: 4.333 min
Delta R.T.: 0.006 min
Response: 209759314
Conc: 56.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



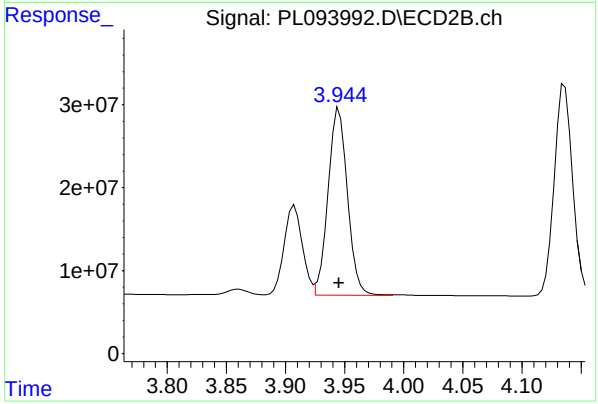
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.000 min
Response: 265807729
Conc: 56.06 ng/ml



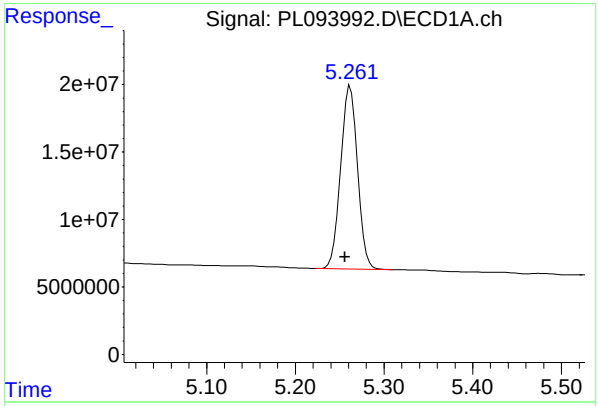
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.006 min
Response: 188195262
Conc: 57.42 ng/ml



#4 Heptachlor

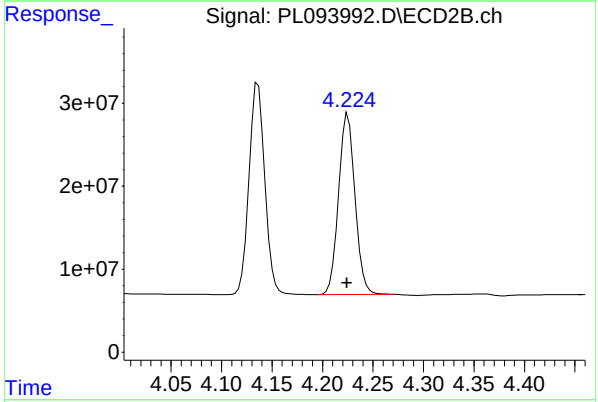
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 257347550
Conc: 55.29 ng/ml



#5 Aldrin

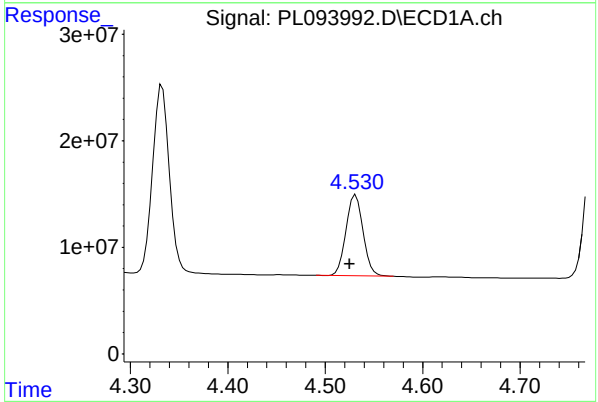
R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 179681251
Conc: 54.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



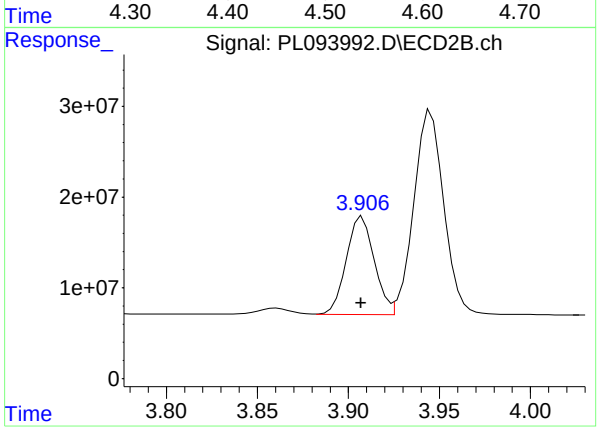
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 247198781
Conc: 54.19 ng/ml



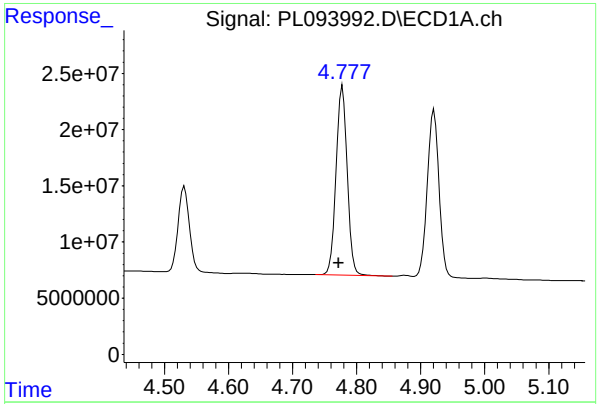
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 92413795
Conc: 57.50 ng/ml



#6 beta-BHC

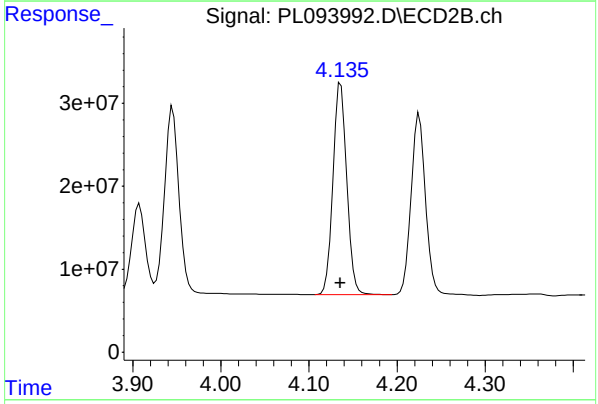
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 116431917
Conc: 58.29 ng/ml



#7 delta-BHC

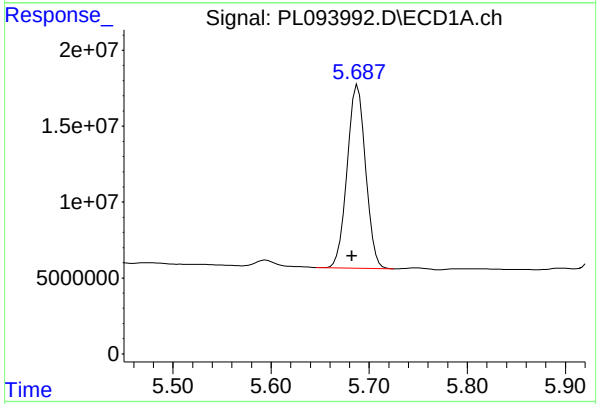
R.T.: 4.778 min
Delta R.T.: 0.006 min
Response: 203253936
Conc: 57.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



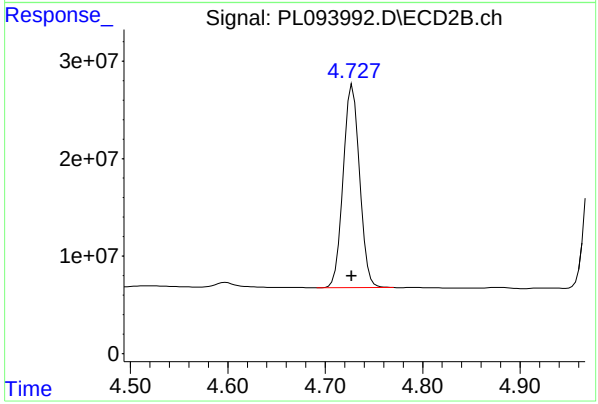
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 278624517
Conc: 58.64 ng/ml



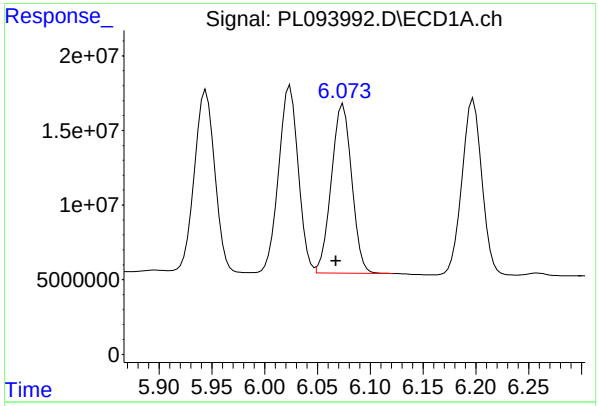
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.006 min
Response: 157530192
Conc: 52.97 ng/ml



#8 Heptachlor epoxide

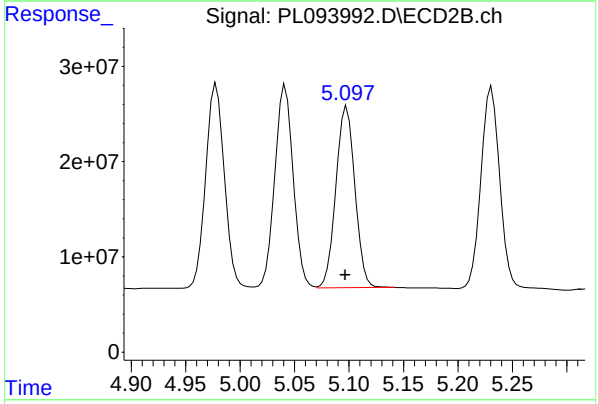
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 243365367
Conc: 58.22 ng/ml



#9 Endosulfan I

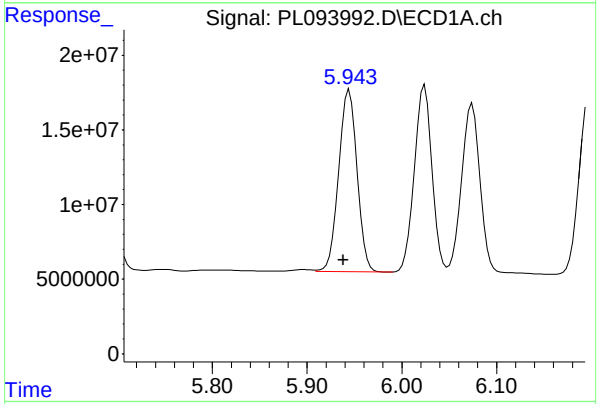
R.T.: 6.074 min
Delta R.T.: 0.007 min
Response: 152006639
Conc: 57.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



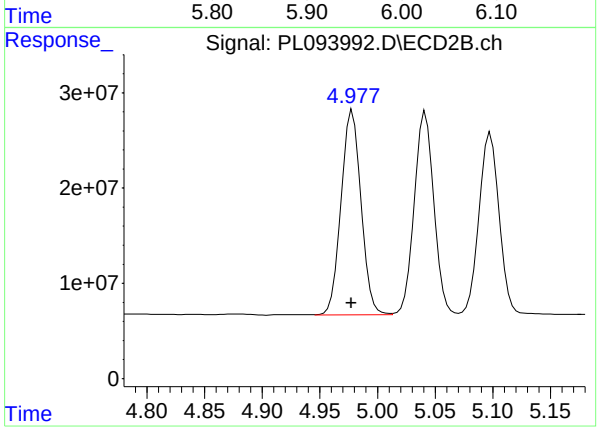
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.002 min
Response: 230190365
Conc: 59.37 ng/ml



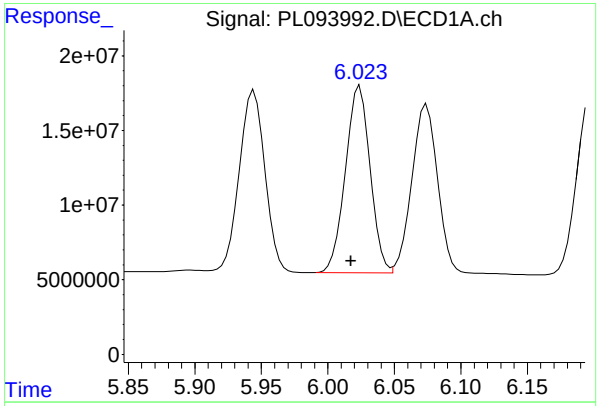
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.006 min
Response: 164210943
Conc: 58.91 ng/ml



#10 gamma-Chlordane

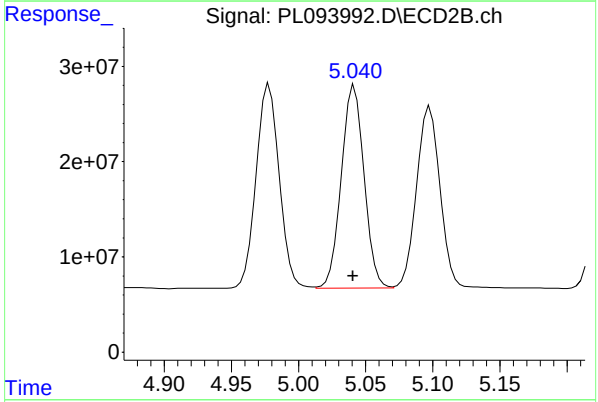
R.T.: 4.978 min
Delta R.T.: 0.001 min
Response: 256823437
Conc: 60.61 ng/ml



#11 alpha-Chlordane

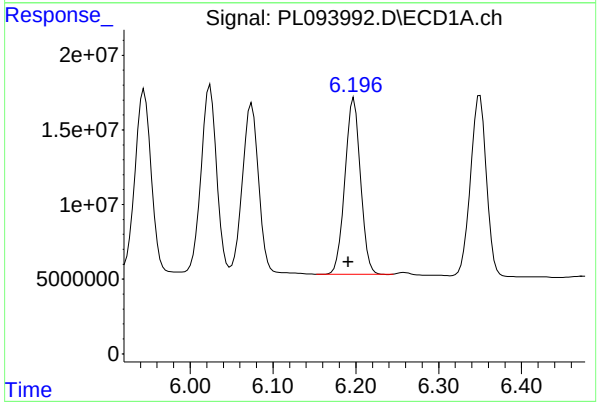
R.T.: 6.024 min
Delta R.T.: 0.007 min
Response: 162126965
Conc: 58.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



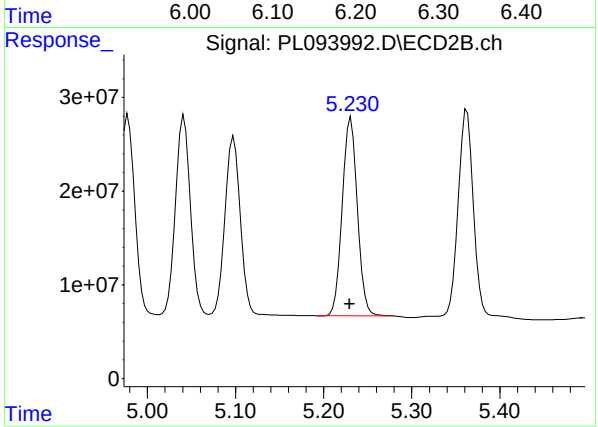
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.001 min
Response: 251563179
Conc: 60.09 ng/ml



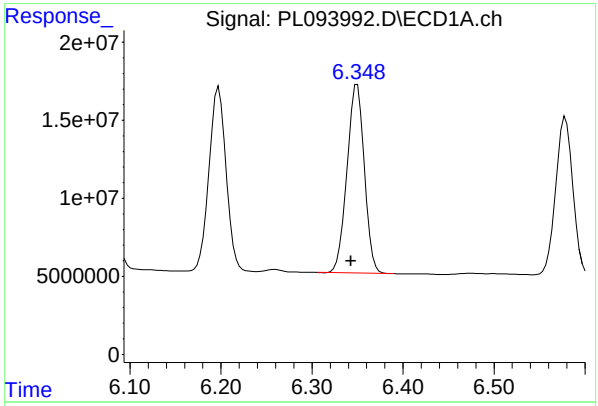
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.006 min
Response: 153600587
Conc: 63.09 ng/ml



#12 4,4'-DDE

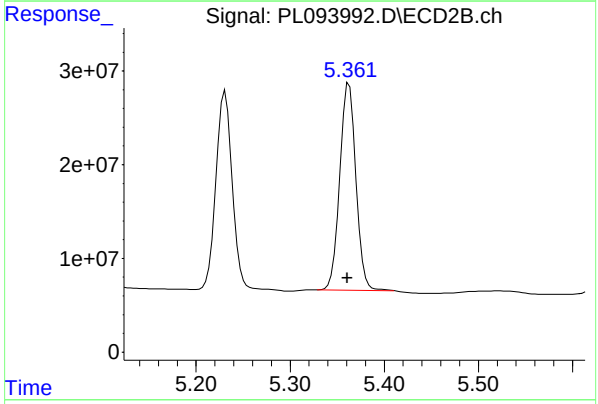
R.T.: 5.231 min
Delta R.T.: 0.001 min
Response: 252770402
Conc: 63.04 ng/ml



#13 Dieldrin

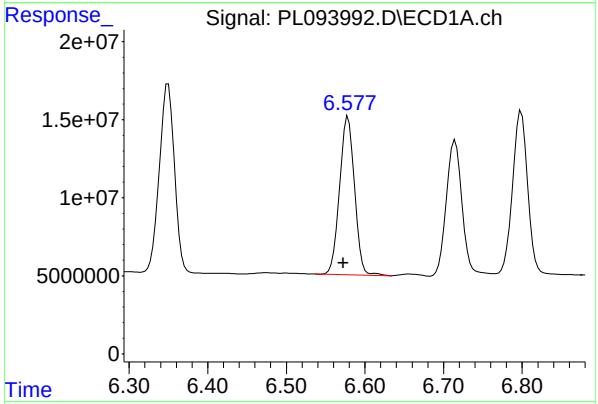
R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 160909858
Conc: 57.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



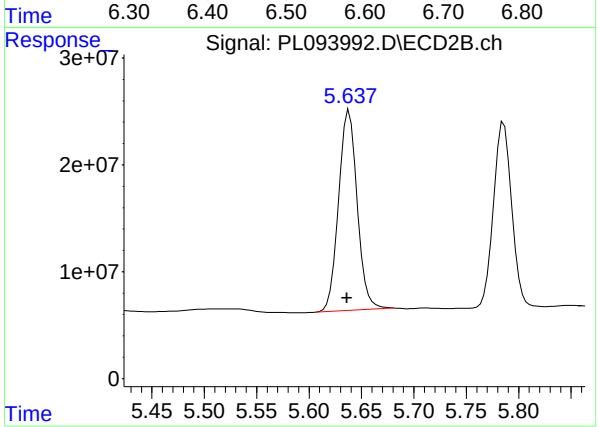
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.002 min
Response: 263781343
Conc: 61.41 ng/ml



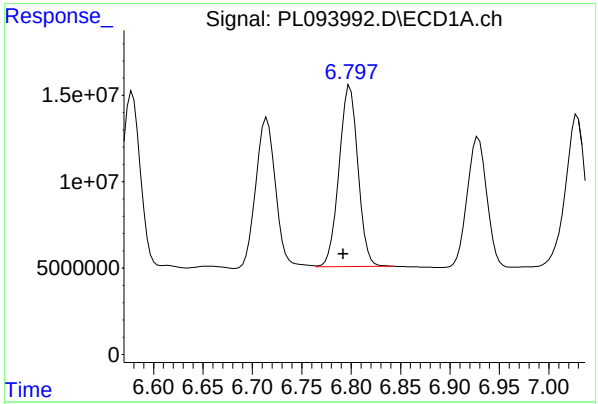
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 134186351
Conc: 57.23 ng/ml



#14 Endrin

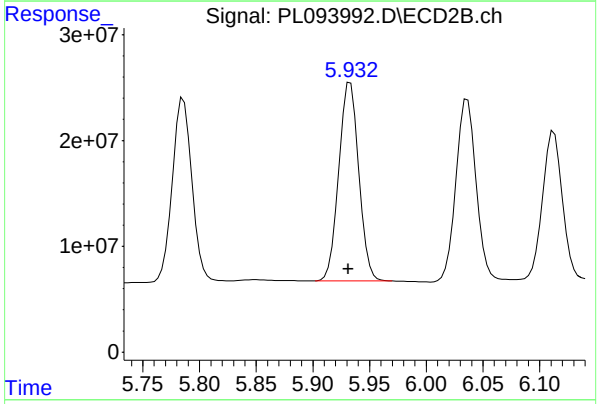
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 232372510
Conc: 62.93 ng/ml



#15 Endosulfan II

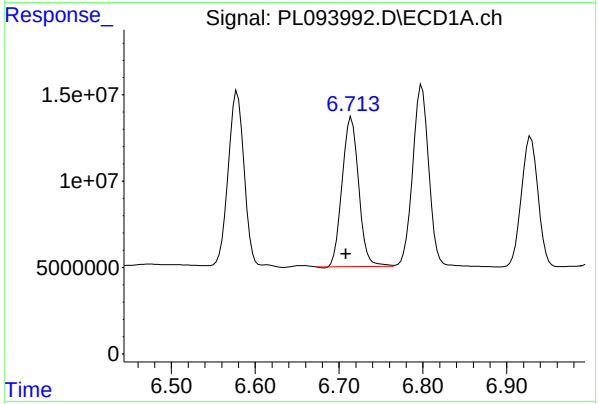
R.T.: 6.799 min
Delta R.T.: 0.007 min
Response: 139336583
Conc: 57.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



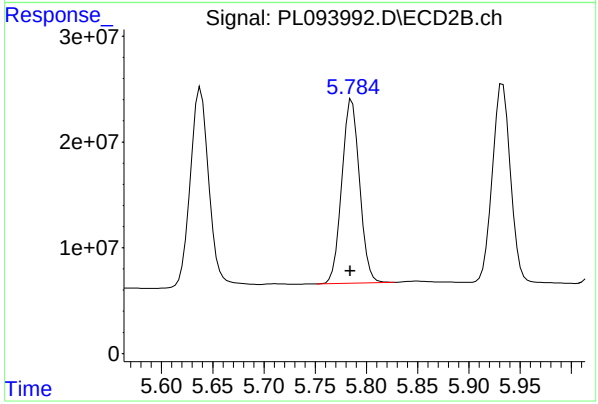
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 230135436
Conc: 62.13 ng/ml



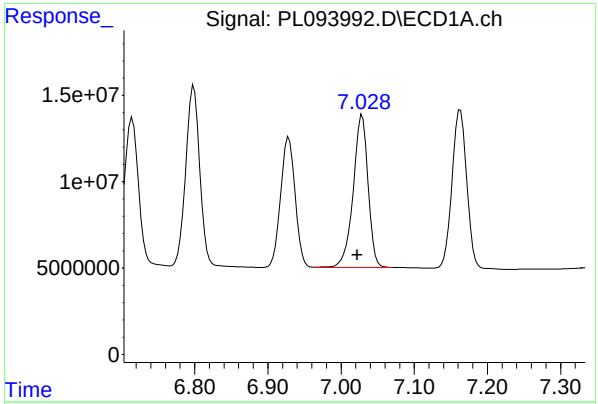
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.007 min
Response: 118520121
Conc: 62.36 ng/ml



#16 4,4'-DDD

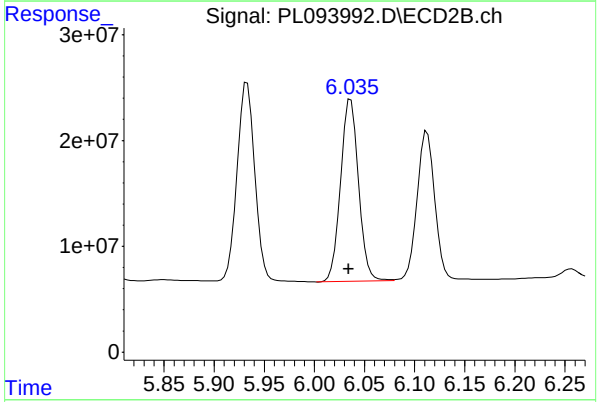
R.T.: 5.786 min
Delta R.T.: 0.002 min
Response: 208458635
Conc: 66.04 ng/ml



#17 4,4'-DDT

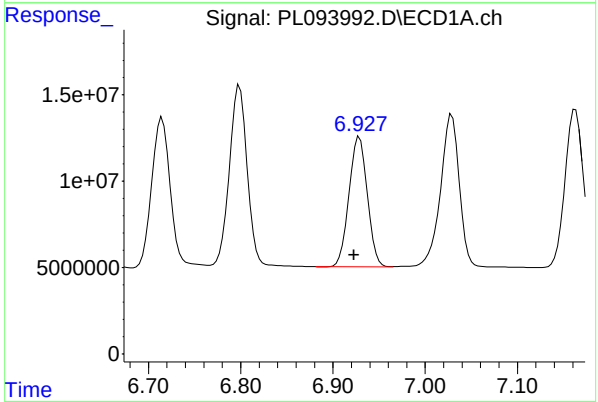
R.T.: 7.029 min
Delta R.T.: 0.007 min
Response: 124770754
Conc: 63.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



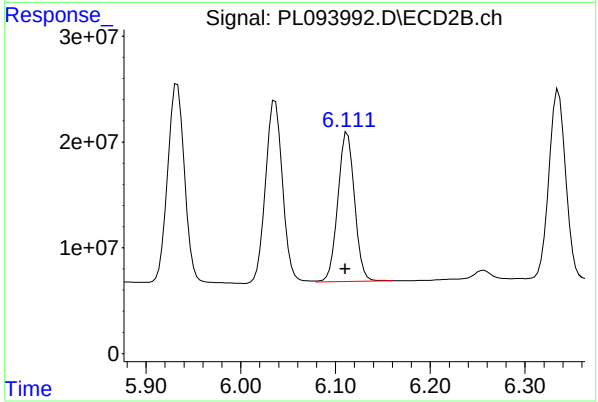
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 214546784
Conc: 65.93 ng/ml



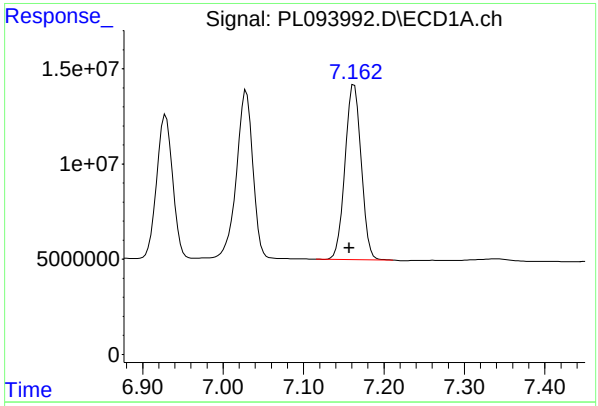
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.006 min
Response: 103707860
Conc: 53.35 ng/ml



#18 Endrin aldehyde

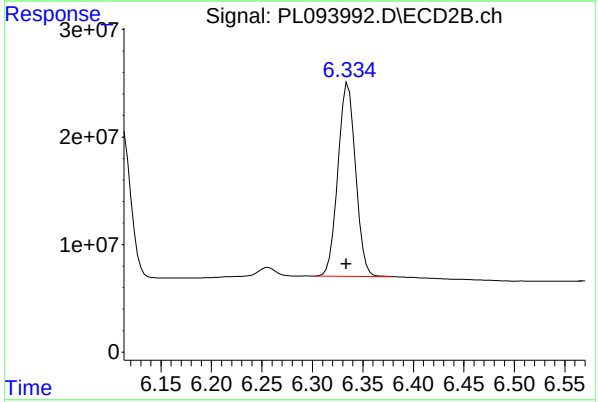
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 172008128
Conc: 56.50 ng/ml



#19 Endosulfan Sulfate

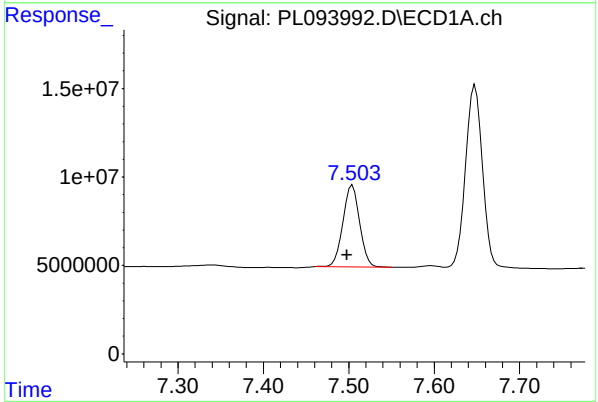
R.T.: 7.163 min
Delta R.T.: 0.006 min
Response: 128411078
Conc: 56.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



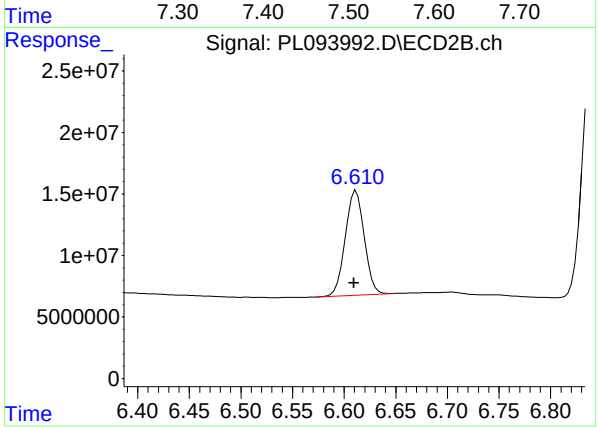
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 218835381
Conc: 61.37 ng/ml



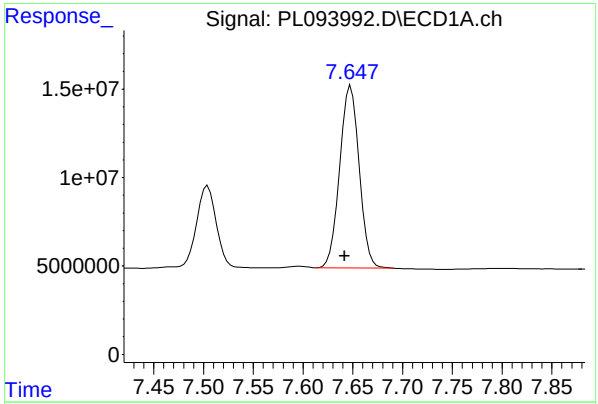
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 63024948
Conc: 60.40 ng/ml



#20 Methoxychlor

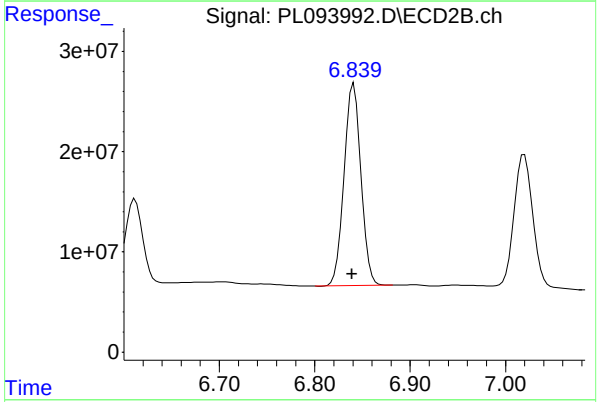
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 108440574
Conc: 60.64 ng/ml



#21 Endrin ketone

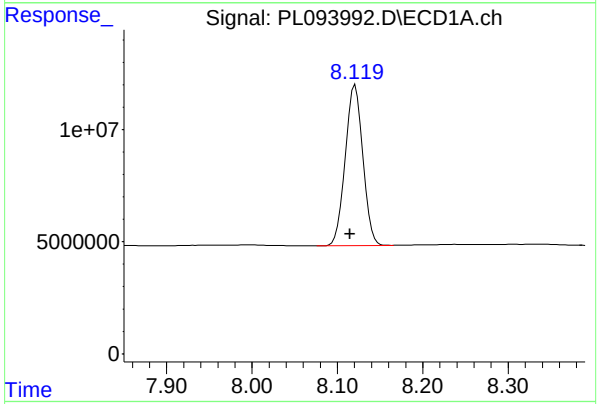
R.T.: 7.648 min
Delta R.T.: 0.006 min
Response: 140866884
Conc: 55.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



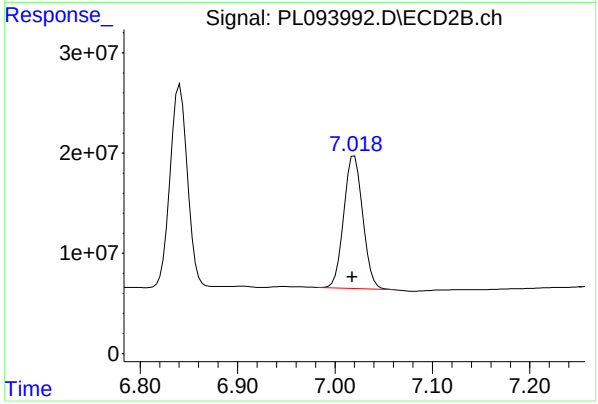
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.002 min
Response: 249148694
Conc: 59.39 ng/ml



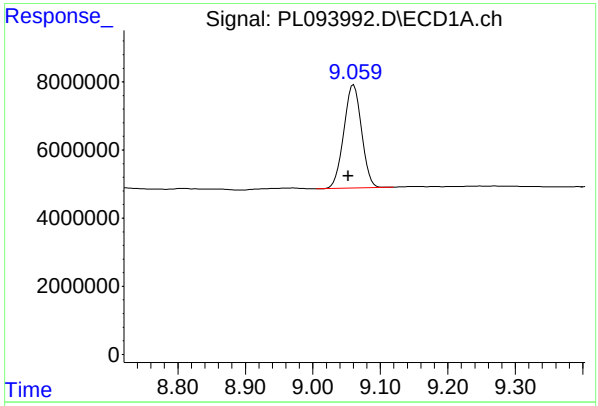
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.006 min
Response: 103009517
Conc: 49.46 ng/ml



#22 Mirex

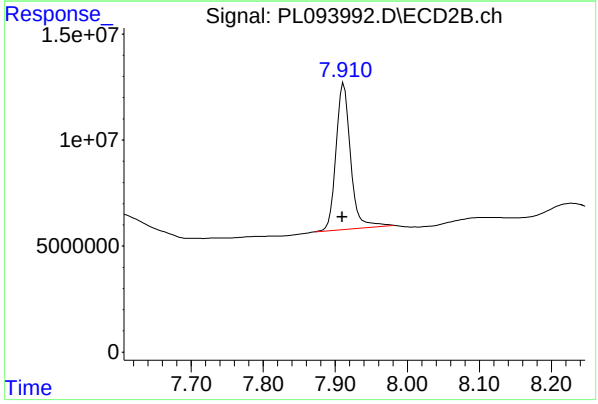
R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 178733515
Conc: 52.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.008 mi
Response: 55547500
Conc: 26.55 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-20.1-012725MSD



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.002 min
Response: 96460300
Conc: 27.53 ng/ml

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Manual Integration Report

Sequence:	PL012125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093726.D	4,4"-DDD	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	4,4"-DDE	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	Endrin aldehyde	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5 #2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE #2	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PSTDCCC050	PL093748.D	Heptachlor	Abdul	1/22/2025 8:17:12 AM	Ankita	1/22/2025 8:30:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl012925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093842.D	4,4"-DDE	Abdul	1/30/2025 9:34:29 AM	Ankita	1/30/2025 10:41:40	Peak Integrated by Software
PCHLORCCC500	PL093844.D	Chlordane-2	Abdul	1/30/2025 9:34:35 AM	Ankita	1/30/2025 10:41:41	Peak Integrated by Software
PCHLORCCC500	PL093844.D	Chlordane-5	Abdul	1/30/2025 9:34:35 AM	Ankita	1/30/2025 10:41:41	Peak Integrated by Software
PCHLORCCC500	PL093855.D	Chlordane-2	Abdul	1/30/2025 9:35:00 AM	Ankita	1/30/2025 10:41:50	Peak Integrated by Software
PCHLORCCC500	PL093855.D	Chlordane-5	Abdul	1/30/2025 9:35:00 AM	Ankita	1/30/2025 10:41:50	Peak Integrated by Software
PEM	PL093865.D	4,4"-DDE	Abdul	1/30/2025 9:35:09 AM	Ankita	1/30/2025 10:41:53	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL013025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093875.D	4,4"-DDD	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	4,4"-DDE	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	4,4"-DDE #2	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PEM	PL093875.D	Endrin ketone #2	Abdul	1/31/2025 1:27:56 PM	Ankita	1/31/2025 1:59:06	Peak Integrated by Software
PB166353BS	PL093886.D	Endrin	Abdul	1/31/2025 1:27:33 PM	Ankita	1/31/2025 1:59:20	Peak Integrated by Software
PB166353BS	PL093886.D	gamma-Chlordane #2	Abdul	1/31/2025 1:27:33 PM	Ankita	1/31/2025 1:59:20	Peak Integrated by Software
PSTDCCC050	PL093888.D	Endrin	Abdul	1/31/2025 1:25:01 PM	Ankita	1/31/2025 1:59:38	Peak Integrated by Software
PTOXCCC500	PL093889.D	Toxaphene-2	Abdul	1/31/2025 1:27:22 PM	Ankita	1/31/2025 1:59:40	Peak Integrated by Software
PEM	PL093905.D	4,4"-DDE	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PEM	PL093905.D	4,4"-DDE #2	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PEM	PL093905.D	Endrin	Abdul	1/31/2025 1:25:43 PM	Ankita	1/31/2025 2:00:24	Peak Integrated by Software
PSTDCCC050	PL093906.D	Endrin	Abdul	1/31/2025 1:25:46 PM	Ankita	1/31/2025 2:00:26	Peak Integrated by Software
PEM	PL093918.D	4,4"-DDE	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL013025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093918.D	4,4"-DDE #2	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software
PEM	PL093918.D	Endrin	Abdul	1/31/2025 1:26:21 PM	Ankita	1/31/2025 2:00:44	Peak Integrated by Software
I.BLK	PL093925.D	Decachlorobiphenyl	Abdul	1/31/2025 1:26:41 PM	Ankita	1/31/2025 2:00:55	Peak Integrated by Software
PSTDCCC050	PL093926.D	Decachlorobiphenyl	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	Endrin	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	gamma-Chlordane	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software
PSTDCCC050	PL093926.D	gamma-Chlordane #2	Abdul	1/31/2025 1:26:46 PM	Ankita	1/31/2025 2:00:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl020325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093981.D	Endrin	Abdul	2/4/2025 2:00:43 PM	Ankita	2/4/2025 3:35:23	Peak Integrated by Software
PEM	PL093981.D	Endrin ketone #2	Abdul	2/4/2025 2:00:43 PM	Ankita	2/4/2025 3:35:23	Peak Integrated by Software
PSTDCCC050	PL093982.D	4,4"-DDD	Abdul	2/4/2025 2:00:47 PM	Ankita	2/4/2025 3:35:25	Peak Integrated by Software
PSTDCCC050	PL093982.D	Endrin	Abdul	2/4/2025 2:00:47 PM	Ankita	2/4/2025 3:35:25	Peak Integrated by Software
PSTDCCC050	PL093982.D	Endrin ketone #2	Abdul	2/4/2025 2:00:47 PM	Ankita	2/4/2025 3:35:25	Peak Integrated by Software
PSTDCCC050	PL093982.D	Methoxychlor	Abdul	2/4/2025 2:00:47 PM	Ankita	2/4/2025 3:35:25	Peak Integrated by Software
Q1206-04MS	PL093991.D	Endrin	Abdul	2/4/2025 2:01:13 PM	Ankita	2/4/2025 3:35:56	Peak Integrated by Software
I.BLK	PL093999.D	Decachlorobiphenyl	Abdul	2/4/2025 2:01:25 PM	Ankita	2/4/2025 3:36:00	Peak Integrated by Software
PEM	PL094000.D	4,4"-DDD	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094000.D	4,4"-DDE	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094000.D	4,4"-DDE #2	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094000.D	4,4"-DDT	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094000.D	Endrin	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl020325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094000.D	Endrin aldehyde	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094000.D	Endrin ketone	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
PEM	PL094021.D	4,4"-DDE	Abdul	2/4/2025 2:01:57 PM	Ankita	2/4/2025 3:36:20	Peak Integrated by Software
PEM	PL094021.D	Endrin	Abdul	2/4/2025 2:01:57 PM	Ankita	2/4/2025 3:36:20	Peak Integrated by Software
PSTDCCC050	PL094022.D	Endrin	Abdul	2/4/2025 2:02:01 PM	Ankita	2/4/2025 3:36:22	Peak Integrated by Software
PSTDCCC050	PL094034.D	Endrin	Abdul	2/4/2025 2:02:47 PM	Ankita	2/4/2025 3:36:59	Peak Integrated by Software
PSTDCCC050	PL094034.D	gamma-Chlordane	Abdul	2/4/2025 2:02:47 PM	Ankita	2/4/2025 3:36:59	Peak Integrated by Software
PSTDCCC050	PL094034.D	gamma-Chlordane #2	Abdul	2/4/2025 2:02:47 PM	Ankita	2/4/2025 3:36:59	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093724.D	21 Jan 2025 10:03	AR\AJ	Ok
2	I.BLK	PL093725.D	21 Jan 2025 10:16	AR\AJ	Ok
3	PEM	PL093726.D	21 Jan 2025 10:30	AR\AJ	Ok,M
4	RESCHK	PL093727.D	21 Jan 2025 10:43	AR\AJ	Ok
5	PSTDICC100	PL093728.D	21 Jan 2025 10:57	AR\AJ	Ok
6	PSTDICC075	PL093729.D	21 Jan 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL093730.D	21 Jan 2025 11:24	AR\AJ	Ok
8	PSTDICC025	PL093731.D	21 Jan 2025 11:38	AR\AJ	Ok
9	PSTDICC005	PL093732.D	21 Jan 2025 11:51	AR\AJ	Ok
10	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05	AR\AJ	Ok
11	PCHLORICC750	PL093734.D	21 Jan 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL093735.D	21 Jan 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL093736.D	21 Jan 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL093737.D	21 Jan 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL093738.D	21 Jan 2025 13:12	AR\AJ	Ok
16	PTOXICC750	PL093739.D	21 Jan 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL093740.D	21 Jan 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL093741.D	21 Jan 2025 13:53	AR\AJ	Ok
19	PTOXICC100	PL093742.D	21 Jan 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL093743.D	21 Jan 2025 14:20	AR\AJ	Ok
21	PCHLORICV500	PL093744.D	21 Jan 2025 14:47	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL093745.D	21 Jan 2025 15:14	AR\AJ	Ok
23	I.BLK	PL093746.D	21 Jan 2025 15:41	AR\AJ	Ok
24	PEM	PL093747.D	21 Jan 2025 15:54	AR\AJ	Ok,M
25	PSTDCCC050	PL093748.D	21 Jan 2025 16:07	AR\AJ	Ok,M
26	Q1093-01RE	PL093749.D	21 Jan 2025 16:21	AR\AJ	Confirms
27	I.BLK	PL093750.D	21 Jan 2025 16:34	AR\AJ	Ok
28	PSTDCCC050	PL093751.D	21 Jan 2025 16:48	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012925

Review By	Abdul	Review On	1/30/2025 9:35:35 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:42:06 AM		
SubDirectory	PL012925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093840.D	29 Jan 2025 09:43	AR\AJ	Ok
2	I.BLK	PL093841.D	29 Jan 2025 09:56	AR\AJ	Ok
3	PEM	PL093842.D	29 Jan 2025 10:10	AR\AJ	Ok,M
4	PSTDCCC050	PL093843.D	29 Jan 2025 10:49	AR\AJ	Ok
5	PCHLORCCC500	PL093844.D	29 Jan 2025 11:02	AR\AJ	Ok,M
6	PTOXCCC500	PL093845.D	29 Jan 2025 11:16	AR\AJ	Ok
7	PB166281BL	PL093846.D	29 Jan 2025 11:30	AR\AJ	Ok
8	Q1168-03	PL093847.D	29 Jan 2025 12:01	AR\AJ	Not Ok
9	Q1168-09	PL093848.D	29 Jan 2025 12:24	AR\AJ	Ok,M
10	Q1168-03	PL093849.D	29 Jan 2025 13:00	AR\AJ	Ok,M
11	Q1168-09	PL093850.D	29 Jan 2025 13:19	AR\AJ	Ok,M
12	Q1168-03	PL093851.D	29 Jan 2025 15:30	AR\AJ	Ok,M
13	Q1168-09	PL093852.D	29 Jan 2025 16:02	AR\AJ	Not Ok
14	I.BLK	PL093853.D	29 Jan 2025 16:17	AR\AJ	Ok
15	PSTDCCC050	PL093854.D	29 Jan 2025 16:30	AR\AJ	Ok
16	PCHLORCCC500	PL093855.D	29 Jan 2025 17:10	AR\AJ	Ok,M
17	PTOXCCC500	PL093856.D	29 Jan 2025 17:23	AR\AJ	Ok
18	PB166353BL	PL093857.D	29 Jan 2025 17:36	AR\AJ	Ok
19	PB166353BS	PL093858.D	29 Jan 2025 17:52	AR\AJ	Not Ok
20	PB166318TB	PL093859.D	29 Jan 2025 18:05	AR\AJ	Ok
21	Q1206-04	PL093860.D	29 Jan 2025 18:18	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012925

Review By	Abdul	Review On	1/30/2025 9:35:35 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:42:06 AM		
SubDirectory	PL012925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1206-04MS	PL093861.D	29 Jan 2025 18:32	AR\AJ	Not Ok
23	Q1206-04MSD	PL093862.D	29 Jan 2025 18:45	AR\AJ	Not Ok
24	I.BLK	PL093863.D	29 Jan 2025 18:58	AR\AJ	Ok
25	PSTDCCC050	PL093864.D	29 Jan 2025 19:11	AR\AJ	Ok
26	PEM	PL093865.D	29 Jan 2025 19:24	AR\AJ	Ok,M
27	Q1206-08	PL093866.D	29 Jan 2025 19:37	AR\AJ	Not Ok
28	Q1207-04	PL093867.D	29 Jan 2025 19:51	AR\AJ	Not Ok
29	Q1207-08	PL093868.D	29 Jan 2025 20:04	AR\AJ	Not Ok
30	Q1207-12	PL093869.D	29 Jan 2025 20:17	AR\AJ	Not Ok
31	Q1207-16	PL093870.D	29 Jan 2025 20:30	AR\AJ	Not Ok
32	Q1207-20	PL093871.D	29 Jan 2025 20:44	AR\AJ	Not Ok
33	PSTDCCC050	PL093872.D	29 Jan 2025 21:10	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093873.D	30 Jan 2025 09:17	AR\AJ	Ok
2	I.BLK	PL093874.D	30 Jan 2025 09:31	AR\AJ	Ok
3	PEM	PL093875.D	30 Jan 2025 09:45	AR\AJ	Ok,M
4	PSTDCCC050	PL093876.D	30 Jan 2025 09:58	AR\AJ	Ok
5	PTOXCCC500	PL093877.D	30 Jan 2025 10:14	AR\AJ	Ok
6	Q1168-03	PL093878.D	30 Jan 2025 10:29	AR\AJ	Ok,M
7	Q1168-09	PL093879.D	30 Jan 2025 10:42	AR\AJ	Ok,M
8	Q1209-01	PL093880.D	30 Jan 2025 10:58	AR\AJ	Ok,M
9	Q1209-05	PL093881.D	30 Jan 2025 11:11	AR\AJ	Ok,M
10	Q1209-05MS	PL093882.D	30 Jan 2025 11:25	AR\AJ	Ok,M
11	Q1209-05MSD	PL093883.D	30 Jan 2025 11:38	AR\AJ	Ok,M
12	PB166334BL	PL093884.D	30 Jan 2025 11:51	AR\AJ	Ok
13	PB166334BS	PL093885.D	30 Jan 2025 12:05	AR\AJ	Ok,M
14	PB166353BS	PL093886.D	30 Jan 2025 13:24	AR\AJ	Ok,M
15	I.BLK	PL093887.D	30 Jan 2025 13:40	AR\AJ	Ok
16	PSTDCCC050	PL093888.D	30 Jan 2025 13:53	AR\AJ	Ok,M
17	PTOXCCC500	PL093889.D	30 Jan 2025 14:38	AR\AJ	Ok,M
18	Q1206-08	PL093890.D	30 Jan 2025 14:51	AR\AJ	Ok
19	Q1207-04	PL093891.D	30 Jan 2025 15:04	AR\AJ	Ok,M
20	Q1207-08	PL093892.D	30 Jan 2025 15:18	AR\AJ	Ok
21	Q1207-12	PL093893.D	30 Jan 2025 15:31	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-16	PL093894.D	30 Jan 2025 15:44	AR\AJ	Ok
23	Q1207-20	PL093895.D	30 Jan 2025 15:58	AR\AJ	Ok
24	Q1205-01	PL093896.D	30 Jan 2025 16:11	AR\AJ	Ok,M
25	Q1206-03	PL093897.D	30 Jan 2025 16:24	AR\AJ	Ok,M
26	Q1206-07	PL093898.D	30 Jan 2025 16:38	AR\AJ	Not Ok
27	Q1207-03	PL093899.D	30 Jan 2025 16:52	AR\AJ	Ok,M
28	Q1207-07	PL093900.D	30 Jan 2025 17:05	AR\AJ	Ok,M
29	Q1207-11	PL093901.D	30 Jan 2025 17:19	AR\AJ	Ok,M
30	Q1207-15	PL093902.D	30 Jan 2025 17:32	AR\AJ	Ok,M
31	Q1207-19	PL093903.D	30 Jan 2025 17:45	AR\AJ	Ok,M
32	I.BLK	PL093904.D	30 Jan 2025 17:59	AR\AJ	Ok
33	PEM	PL093905.D	30 Jan 2025 18:39	AR\AJ	Ok,M
34	PSTDCCC050	PL093906.D	30 Jan 2025 19:06	AR\AJ	Ok,M
35	PB166359BL	PL093907.D	30 Jan 2025 19:32	AR\AJ	Ok
36	PB166359BS	PL093908.D	30 Jan 2025 19:45	AR\AJ	Ok,M
37	Q1215-07	PL093909.D	30 Jan 2025 19:58	AR\AJ	Ok,M
38	Q1216-03	PL093910.D	30 Jan 2025 20:12	AR\AJ	Ok,M
39	Q1216-07	PL093911.D	30 Jan 2025 20:25	AR\AJ	Ok,M
40	Q1216-11	PL093912.D	30 Jan 2025 20:38	AR\AJ	Ok,M
41	Q1216-19	PL093913.D	30 Jan 2025 20:51	AR\AJ	Ok,M
42	Q1218-01	PL093914.D	30 Jan 2025 21:04	AR\AJ	Ok,M
43	Q1220-01	PL093915.D	30 Jan 2025 21:17	AR\AJ	Ok
44	Q1221-01	PL093916.D	30 Jan 2025 21:30	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	I.BLK	PL093917.D	30 Jan 2025 21:44	AR\AJ	Ok
46	PEM	PL093918.D	30 Jan 2025 21:57	AR\AJ	Not Ok
47	PSTDCCC050	PL093919.D	30 Jan 2025 22:23	AR\AJ	Ok
48	Q1215-03	PL093920.D	30 Jan 2025 22:36	AR\AJ	Not Ok
49	Q1215-03MS	PL093921.D	30 Jan 2025 22:50	AR\AJ	Not Ok
50	Q1215-03MSD	PL093922.D	30 Jan 2025 23:03	AR\AJ	Not Ok
51	Q1216-15	PL093923.D	30 Jan 2025 23:17	AR\AJ	Not Ok
52	Q1219-01	PL093924.D	30 Jan 2025 23:30	AR\AJ	Not Ok
53	I.BLK	PL093925.D	30 Jan 2025 23:43	AR\AJ	Not Ok
54	PSTDCCC050	PL093926.D	30 Jan 2025 23:57	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093979.D	03 Feb 2025 09:01	AR\AJ	Ok
2	I.BLK	PL093980.D	03 Feb 2025 09:14	AR\AJ	Ok
3	PEM	PL093981.D	03 Feb 2025 11:03	AR\AJ	Ok,M
4	PSTDCCC050	PL093982.D	03 Feb 2025 12:17	AR\AJ	Ok,M
5	Q1216-15	PL093983.D	03 Feb 2025 12:40	AR\AJ	Ok,M
6	PB166427BL	PL093984.D	03 Feb 2025 12:53	AR\AJ	Ok,M
7	PB166427BS	PL093985.D	03 Feb 2025 13:26	AR\AJ	Ok,M
8	PB166356TB	PL093986.D	03 Feb 2025 13:48	AR\AJ	Ok
9	Q1215-04	PL093987.D	03 Feb 2025 14:02	AR\AJ	Ok
10	Q1215-04MS	PL093988.D	03 Feb 2025 14:24	AR\AJ	Ok,M
11	Q1215-04MSD	PL093989.D	03 Feb 2025 14:37	AR\AJ	Ok,M
12	Q1206-04	PL093990.D	03 Feb 2025 14:50	AR\AJ	Ok
13	Q1206-04MS	PL093991.D	03 Feb 2025 15:04	AR\AJ	Ok,M
14	Q1206-04MSD	PL093992.D	03 Feb 2025 15:22	AR\AJ	Ok
15	Q1215-08	PL093993.D	03 Feb 2025 15:35	AR\AJ	Ok,M
16	Q1216-04	PL093994.D	03 Feb 2025 15:49	AR\AJ	Ok
17	Q1216-08	PL093995.D	03 Feb 2025 16:02	AR\AJ	Ok
18	Q1216-12	PL093996.D	03 Feb 2025 16:15	AR\AJ	Ok
19	Q1216-16	PL093997.D	03 Feb 2025 16:29	AR\AJ	Ok
20	Q1216-20	PL093998.D	03 Feb 2025 16:42	AR\AJ	Ok,M
21	I.BLK	PL093999.D	03 Feb 2025 16:55	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PEM	PL094000.D	03 Feb 2025 17:08	AR\AJ	Ok,M
23	PSTDCCC050	PL094001.D	03 Feb 2025 17:50	AR\AJ	Ok
24	Q1232-04	PL094002.D	03 Feb 2025 18:03	AR\AJ	Ok
25	Q1232-08	PL094003.D	03 Feb 2025 18:16	AR\AJ	Ok,M
26	Q1232-12	PL094004.D	03 Feb 2025 18:29	AR\AJ	Ok
27	Q1232-16	PL094005.D	03 Feb 2025 18:43	AR\AJ	Ok
28	Q1232-20	PL094006.D	03 Feb 2025 18:56	AR\AJ	Ok
29	Q1235-04	PL094007.D	03 Feb 2025 19:09	AR\AJ	Ok
30	Q1235-08	PL094008.D	03 Feb 2025 19:23	AR\AJ	Ok
31	PB166484BL	PL094009.D	03 Feb 2025 19:36	AR\AJ	Ok
32	PB166484BS	PL094010.D	03 Feb 2025 19:49	AR\AJ	Not Ok
33	PB166423TB	PL094011.D	03 Feb 2025 20:02	AR\AJ	Ok
34	Q1241-04	PL094012.D	03 Feb 2025 20:16	AR\AJ	Ok,M
35	Q1241-04MS	PL094013.D	03 Feb 2025 20:29	AR\AJ	Ok,M
36	Q1241-04MSD	PL094014.D	03 Feb 2025 20:42	AR\AJ	Ok,M
37	Q1241-08	PL094015.D	03 Feb 2025 20:56	AR\AJ	Ok
38	Q1241-12	PL094016.D	03 Feb 2025 21:09	AR\AJ	Ok
39	Q1241-16	PL094017.D	03 Feb 2025 21:22	AR\AJ	Ok,M
40	Q1241-20	PL094018.D	03 Feb 2025 21:35	AR\AJ	Ok
41	Q1242-04	PL094019.D	03 Feb 2025 21:48	AR\AJ	Ok
42	I.BLK	PL094020.D	03 Feb 2025 22:02	AR\AJ	Ok
43	PEM	PL094021.D	03 Feb 2025 22:15	AR\AJ	Ok,M
44	PSTDCCC050	PL094022.D	03 Feb 2025 22:41	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB166481BL	PL094023.D	03 Feb 2025 23:21	AR\AJ	Ok
46	PB166481BS	PL094024.D	03 Feb 2025 23:34	AR\AJ	Not Ok
47	Q1254-01	PL094025.D	03 Feb 2025 23:47	AR\AJ	Ok,M
48	Q1261-01	PL094026.D	04 Feb 2025 00:00	AR\AJ	ReRun
49	Q1262-01	PL094027.D	04 Feb 2025 00:13	AR\AJ	ReRun
50	Q1262-03	PL094028.D	04 Feb 2025 00:27	AR\AJ	Ok,M
51	Q1269-01	PL094029.D	04 Feb 2025 00:40	AR\AJ	Ok,M
52	Q1269-01MS	PL094030.D	04 Feb 2025 00:53	AR\AJ	Ok,M
53	Q1269-01MSD	PL094031.D	04 Feb 2025 01:06	AR\AJ	Ok,M
54	Q1271-01	PL094032.D	04 Feb 2025 01:19	AR\AJ	Ok,M
55	I.BLK	PL094033.D	04 Feb 2025 01:32	AR\AJ	Ok
56	PSTDCCC050	PL094034.D	04 Feb 2025 01:46	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093724.D	21 Jan 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL093725.D	21 Jan 2025 10:16		AR\AJ	Ok
3	PEM	PEM	PL093726.D	21 Jan 2025 10:30		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093727.D	21 Jan 2025 10:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093728.D	21 Jan 2025 10:57		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093729.D	21 Jan 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093730.D	21 Jan 2025 11:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093731.D	21 Jan 2025 11:38		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093732.D	21 Jan 2025 11:51		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093734.D	21 Jan 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093735.D	21 Jan 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093736.D	21 Jan 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093737.D	21 Jan 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093738.D	21 Jan 2025 13:12		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093739.D	21 Jan 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093740.D	21 Jan 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093741.D	21 Jan 2025 13:53		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL093742.D	21 Jan 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL012125	PL093743.D	21 Jan 2025 14:20		AR\AJ	Ok
21	PCHLORICV500	ICVPL012125CHLOR	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125TOX	PL093745.D	21 Jan 2025 15:14		AR\AJ	Ok
23	I.BLK	I.BLK	PL093746.D	21 Jan 2025 15:41		AR\AJ	Ok
24	PEM	PEM	PL093747.D	21 Jan 2025 15:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093748.D	21 Jan 2025 16:07		AR\AJ	Ok,M
26	Q1093-01RE	RT-3407RE	PL093749.D	21 Jan 2025 16:21	F Flag coming , DCB high in 2nd column	AR\AJ	Confirms
27	I.BLK	I.BLK	PL093750.D	21 Jan 2025 16:34		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093751.D	21 Jan 2025 16:48		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012925

Review By	Abdul	Review On	1/30/2025 9:35:35 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:42:06 AM		
SubDirectory	PL012925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093840.D	29 Jan 2025 09:43		AR\AJ	Ok
2	I.BLK	I.BLK	PL093841.D	29 Jan 2025 09:56		AR\AJ	Ok
3	PEM	PEM	PL093842.D	29 Jan 2025 10:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093843.D	29 Jan 2025 10:49		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PL093844.D	29 Jan 2025 11:02		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL093845.D	29 Jan 2025 11:16		AR\AJ	Ok
7	PB166281BL	PB166281BL	PL093846.D	29 Jan 2025 11:30		AR\AJ	Ok
8	Q1168-03	MDL-SOIL-03-QT1-202	PL093847.D	29 Jan 2025 12:01	PEST MDL 1 PPB, DCB f flag,	AR\AJ	Not Ok
9	Q1168-09	MDL-WATER-03-QT1-2	PL093848.D	29 Jan 2025 12:24	PEST MDL 1 PPB	AR\AJ	Ok,M
10	Q1168-03	MDL-SOIL-03-QT1-202	PL093849.D	29 Jan 2025 13:00	CHLOR MDL 25 PPB	AR\AJ	Ok,M
11	Q1168-09	MDL-WATER-03-QT1-2	PL093850.D	29 Jan 2025 13:19	CHLOR MDL 25 PPB	AR\AJ	Ok,M
12	Q1168-03	MDL-SOIL-03-QT1-202	PL093851.D	29 Jan 2025 15:30	TOX MDL 50 PPB	AR\AJ	Ok,M
13	Q1168-09	MDL-WATER-03-QT1-2	PL093852.D	29 Jan 2025 16:02	TOX MDL 50 PPB, DCB f flag	AR\AJ	Not Ok
14	I.BLK	I.BLK	PL093853.D	29 Jan 2025 16:17		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL093854.D	29 Jan 2025 16:30		AR\AJ	Ok
16	PCHLORCCC500	PCHLORCCC500	PL093855.D	29 Jan 2025 17:10		AR\AJ	Ok,M
17	PTOXCCC500	PTOXCCC500	PL093856.D	29 Jan 2025 17:23		AR\AJ	Ok
18	PB166353BL	PB166353BL	PL093857.D	29 Jan 2025 17:36		AR\AJ	Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # PL012925

Review By	Abdul	Review On	1/30/2025 9:35:35 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:42:06 AM		
SubDirectory	PL012925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB166353BS	PB166353BS	PL093858.D	29 Jan 2025 17:52	recovery high	AR\AJ	Not Ok
20	PB166318TB	PB166318TB	PL093859.D	29 Jan 2025 18:05		AR\AJ	Ok
21	Q1206-04	JPP-20.1-012725	PL093860.D	29 Jan 2025 18:18		AR\AJ	Not Ok
22	Q1206-04MS	JPP-20.1-012725MS	PL093861.D	29 Jan 2025 18:32	DCB hih in both column, f flag	AR\AJ	Not Ok
23	Q1206-04MSD	JPP-20.1-012725MSD	PL093862.D	29 Jan 2025 18:45		AR\AJ	Not Ok
24	I.BLK	I.BLK	PL093863.D	29 Jan 2025 18:58		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL093864.D	29 Jan 2025 19:11		AR\AJ	Ok
26	PEM	PEM	PL093865.D	29 Jan 2025 19:24		AR\AJ	Ok,M
27	Q1206-08	JPP-16.3-012725	PL093866.D	29 Jan 2025 19:37	End IBLK & CCC missing, f flag	AR\AJ	Not Ok
28	Q1207-04	JPP-2.1-012725	PL093867.D	29 Jan 2025 19:51	End IBLK & CCC missing	AR\AJ	Not Ok
29	Q1207-08	JPP-5.1-012725	PL093868.D	29 Jan 2025 20:04	End IBLK & CCC missing	AR\AJ	Not Ok
30	Q1207-12	JPP-4.5-012725	PL093869.D	29 Jan 2025 20:17	End IBLK & CCC missing	AR\AJ	Not Ok
31	Q1207-16	JPP-16.2-012725	PL093870.D	29 Jan 2025 20:30	End IBLK & CCC missing	AR\AJ	Not Ok
32	Q1207-20	JPP-20.2-012725	PL093871.D	29 Jan 2025 20:44	End IBLK & CCC missing	AR\AJ	Not Ok
33	PSTDCCC050	PSTDCCC050	PL093872.D	29 Jan 2025 21:10		AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093873.D	30 Jan 2025 09:17		AR\AJ	Ok
2	I.BLK	I.BLK	PL093874.D	30 Jan 2025 09:31		AR\AJ	Ok
3	PEM	PEM	PL093875.D	30 Jan 2025 09:45		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093876.D	30 Jan 2025 09:58		AR\AJ	Ok
5	PTOXCCC500	PTOXCCC500	PL093877.D	30 Jan 2025 10:14		AR\AJ	Ok
6	Q1168-03	MDL-SOIL-03-QT1-202	PL093878.D	30 Jan 2025 10:29		AR\AJ	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	PL093879.D	30 Jan 2025 10:42		AR\AJ	Ok,M
8	Q1209-01	WC-4	PL093880.D	30 Jan 2025 10:58		AR\AJ	Ok,M
9	Q1209-05	WC-5	PL093881.D	30 Jan 2025 11:11		AR\AJ	Ok,M
10	Q1209-05MS	WC-5MS	PL093882.D	30 Jan 2025 11:25		AR\AJ	Ok,M
11	Q1209-05MSD	WC-5MSD	PL093883.D	30 Jan 2025 11:38		AR\AJ	Ok,M
12	PB166334BL	PB166334BL	PL093884.D	30 Jan 2025 11:51		AR\AJ	Ok
13	PB166334BS	PB166334BS	PL093885.D	30 Jan 2025 12:05		AR\AJ	Ok,M
14	PB166353BS	PB166353BS	PL093886.D	30 Jan 2025 13:24		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL093887.D	30 Jan 2025 13:40		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL093888.D	30 Jan 2025 13:53		AR\AJ	Ok,M
17	PTOXCCC500	PTOXCCC500	PL093889.D	30 Jan 2025 14:38		AR\AJ	Ok,M
18	Q1206-08	JPP-16.3-012725	PL093890.D	30 Jan 2025 14:51		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	PL093891.D	30 Jan 2025 15:04		AR\AJ	Ok,M
20	Q1207-08	JPP-5.1-012725	PL093892.D	30 Jan 2025 15:18		AR\AJ	Ok
21	Q1207-12	JPP-4.5-012725	PL093893.D	30 Jan 2025 15:31		AR\AJ	Ok
22	Q1207-16	JPP-16.2-012725	PL093894.D	30 Jan 2025 15:44		AR\AJ	Ok
23	Q1207-20	JPP-20.2-012725	PL093895.D	30 Jan 2025 15:58		AR\AJ	Ok
24	Q1205-01	VNJ-236	PL093896.D	30 Jan 2025 16:11		AR\AJ	Ok,M
25	Q1206-03	JPP-20.1-012725	PL093897.D	30 Jan 2025 16:24		AR\AJ	Ok,M
26	Q1206-07	JPP-16.3-012725	PL093898.D	30 Jan 2025 16:38	F Flag coming	AR\AJ	Not Ok
27	Q1207-03	JPP-2.1-012725	PL093899.D	30 Jan 2025 16:52		AR\AJ	Ok,M
28	Q1207-07	JPP-5.1-012725	PL093900.D	30 Jan 2025 17:05		AR\AJ	Ok,M
29	Q1207-11	JPP-4.5-012725	PL093901.D	30 Jan 2025 17:19		AR\AJ	Ok,M
30	Q1207-15	JPP-16.2-012725	PL093902.D	30 Jan 2025 17:32		AR\AJ	Ok,M
31	Q1207-19	JPP-20.2-012725	PL093903.D	30 Jan 2025 17:45		AR\AJ	Ok,M
32	I.BLK	I.BLK	PL093904.D	30 Jan 2025 17:59		AR\AJ	Ok
33	PEM	PEM	PL093905.D	30 Jan 2025 18:39		AR\AJ	Ok,M
34	PSTDCCC050	PSTDCCC050	PL093906.D	30 Jan 2025 19:06		AR\AJ	Ok,M
35	PB166359BL	PB166359BL	PL093907.D	30 Jan 2025 19:32		AR\AJ	Ok
36	PB166359BS	PB166359BS	PL093908.D	30 Jan 2025 19:45		AR\AJ	Ok,M
37	Q1215-07	JPP-29.2-012825	PL093909.D	30 Jan 2025 19:58		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL013025

Review By	Abdul	Review On	1/31/2025 1:28:24 PM		
Supervise By	Ankita	Supervise On	1/31/2025 2:01:15 PM		
SubDirectory	PL013025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1216-03	JPP-18.1-012825	PL093910.D	30 Jan 2025 20:12		AR\AJ	Ok,M
39	Q1216-07	JPP-21.1-012825	PL093911.D	30 Jan 2025 20:25		AR\AJ	Ok,M
40	Q1216-11	JPP-21.2-012825	PL093912.D	30 Jan 2025 20:38		AR\AJ	Ok,M
41	Q1216-19	JPP-26.2-012825	PL093913.D	30 Jan 2025 20:51		AR\AJ	Ok,M
42	Q1218-01	BELL-25-002	PL093914.D	30 Jan 2025 21:04		AR\AJ	Ok,M
43	Q1220-01	TR-06-01292025	PL093915.D	30 Jan 2025 21:17		AR\AJ	Ok
44	Q1221-01	CHESTNUT-CONCRE	PL093916.D	30 Jan 2025 21:30		AR\AJ	Ok,M
45	I.BLK	I.BLK	PL093917.D	30 Jan 2025 21:44		AR\AJ	Ok
46	PEM	PEM	PL093918.D	30 Jan 2025 21:57	not required	AR\AJ	Not Ok
47	PSTDCCC050	PSTDCCC050	PL093919.D	30 Jan 2025 22:23		AR\AJ	Ok
48	Q1215-03	JPP-29.1-012825	PL093920.D	30 Jan 2025 22:36	End CCC fail	AR\AJ	Not Ok
49	Q1215-03MS	JPP-29.1-012825MS	PL093921.D	30 Jan 2025 22:50	End CCC fail	AR\AJ	Not Ok
50	Q1215-03MSD	JPP-29.1-012825MSD	PL093922.D	30 Jan 2025 23:03	End CCC fail	AR\AJ	Not Ok
51	Q1216-15	JPP-26.1-012825	PL093923.D	30 Jan 2025 23:17	End CCC fail , DCB high in 2nd column	AR\AJ	Not Ok
52	Q1219-01	LAW-25-0015	PL093924.D	30 Jan 2025 23:30	End CCC fail , DCB high in 1st column	AR\AJ	Not Ok
53	I.BLK	I.BLK	PL093925.D	30 Jan 2025 23:43	CCC Fail	AR\AJ	Not Ok
54	PSTDCCC050	PSTDCCC050	PL093926.D	30 Jan 2025 23:57	CCC Fail	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093979.D	03 Feb 2025 09:01		AR\AJ	Ok
2	I.BLK	I.BLK	PL093980.D	03 Feb 2025 09:14		AR\AJ	Ok
3	PEM	PEM	PL093981.D	03 Feb 2025 11:03		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093982.D	03 Feb 2025 12:17		AR\AJ	Ok,M
5	Q1216-15	JPP-26.1-012825	PL093983.D	03 Feb 2025 12:40	DCB high in 2nd column	AR\AJ	Ok,M
6	PB166427BL	PB166427BL	PL093984.D	03 Feb 2025 12:53		AR\AJ	Ok,M
7	PB166427BS	PB166427BS	PL093985.D	03 Feb 2025 13:26		AR\AJ	Ok,M
8	PB166356TB	PB166356TB	PL093986.D	03 Feb 2025 13:48		AR\AJ	Ok
9	Q1215-04	JPP-29.1-012825	PL093987.D	03 Feb 2025 14:02		AR\AJ	Ok
10	Q1215-04MS	JPP-29.1-012825MS	PL093988.D	03 Feb 2025 14:24		AR\AJ	Ok,M
11	Q1215-04MSD	JPP-29.1-012825MSD	PL093989.D	03 Feb 2025 14:37		AR\AJ	Ok,M
12	Q1206-04	JPP-20.1-012725	PL093990.D	03 Feb 2025 14:50		AR\AJ	Ok
13	Q1206-04MS	JPP-20.1-012725MS	PL093991.D	03 Feb 2025 15:04		AR\AJ	Ok,M
14	Q1206-04MSD	JPP-20.1-012725MSD	PL093992.D	03 Feb 2025 15:22		AR\AJ	Ok
15	Q1215-08	JPP-29.2-012825	PL093993.D	03 Feb 2025 15:35		AR\AJ	Ok,M
16	Q1216-04	JPP-18.1-012825	PL093994.D	03 Feb 2025 15:49		AR\AJ	Ok
17	Q1216-08	JPP-21.1-012825	PL093995.D	03 Feb 2025 16:02		AR\AJ	Ok
18	Q1216-12	JPP-21.2-012825	PL093996.D	03 Feb 2025 16:15		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1216-16	JPP-26.1-012825	PL093997.D	03 Feb 2025 16:29		AR\AJ	Ok
20	Q1216-20	JPP-26.2-012825	PL093998.D	03 Feb 2025 16:42		AR\AJ	Ok,M
21	I.BLK	I.BLK	PL093999.D	03 Feb 2025 16:55		AR\AJ	Ok,M
22	PEM	PEM	PL094000.D	03 Feb 2025 17:08		AR\AJ	Ok,M
23	PSTDCCC050	PSTDCCC050	PL094001.D	03 Feb 2025 17:50		AR\AJ	Ok
24	Q1232-04	JPP-46.2-012925	PL094002.D	03 Feb 2025 18:03		AR\AJ	Ok
25	Q1232-08	JPP-46.1-012925	PL094003.D	03 Feb 2025 18:16		AR\AJ	Ok,M
26	Q1232-12	JPP-42.1-012925	PL094004.D	03 Feb 2025 18:29		AR\AJ	Ok
27	Q1232-16	JPP-42.2-012925	PL094005.D	03 Feb 2025 18:43		AR\AJ	Ok
28	Q1232-20	JPP-51.1-012925	PL094006.D	03 Feb 2025 18:56		AR\AJ	Ok
29	Q1235-04	JPP-51.2-012925	PL094007.D	03 Feb 2025 19:09	TCMX high in 1st column	AR\AJ	Ok
30	Q1235-08	JPP-16.1-012925	PL094008.D	03 Feb 2025 19:23		AR\AJ	Ok
31	PB166484BL	PB166484BL	PL094009.D	03 Feb 2025 19:36		AR\AJ	Ok
32	PB166484BS	PB166484BS	PL094010.D	03 Feb 2025 19:49	DCB high in 2nd and TCMX high in 1st column , Comp#20 recovery fail	AR\AJ	Not Ok
33	PB166423TB	PB166423TB	PL094011.D	03 Feb 2025 20:02		AR\AJ	Ok
34	Q1241-04	JPP-3.5-013025	PL094012.D	03 Feb 2025 20:16		AR\AJ	Ok,M
35	Q1241-04MS	JPP-3.5-013025MS	PL094013.D	03 Feb 2025 20:29		AR\AJ	Ok,M
36	Q1241-04MSD	JPP-3.5-013025MSD	PL094014.D	03 Feb 2025 20:42		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q1241-08	JPP-5.3-013025	PL094015.D	03 Feb 2025 20:56		AR\AJ	Ok
38	Q1241-12	JPP-5.2-013025	PL094016.D	03 Feb 2025 21:09		AR\AJ	Ok
39	Q1241-16	JPP-5.4-013025	PL094017.D	03 Feb 2025 21:22		AR\AJ	Ok,M
40	Q1241-20	JPP-51.4-013025	PL094018.D	03 Feb 2025 21:35		AR\AJ	Ok
41	Q1242-04	JPP-6.2-013025	PL094019.D	03 Feb 2025 21:48		AR\AJ	Ok
42	I.BLK	I.BLK	PL094020.D	03 Feb 2025 22:02		AR\AJ	Ok
43	PEM	PEM	PL094021.D	03 Feb 2025 22:15		AR\AJ	Ok,M
44	PSTDCCC050	PSTDCCC050	PL094022.D	03 Feb 2025 22:41		AR\AJ	Ok,M
45	PB166481BL	PB166481BL	PL094023.D	03 Feb 2025 23:21		AR\AJ	Ok
46	PB166481BS	PB166481BS	PL094024.D	03 Feb 2025 23:34	Comp#20 recovery fail in 2nd col	AR\AJ	Not Ok
47	Q1254-01	OK-02-01312025	PL094025.D	03 Feb 2025 23:47		AR\AJ	Ok,M
48	Q1261-01	CHRT-20430	PL094026.D	04 Feb 2025 00:00	F Flag coming	AR\AJ	ReRun
49	Q1262-01	ETGI-371	PL094027.D	04 Feb 2025 00:13	DCB high in both column	AR\AJ	ReRun
50	Q1262-03	CONCRETE-PAD	PL094028.D	04 Feb 2025 00:27	DCB high in 1st column	AR\AJ	Ok,M
51	Q1269-01	VNJ-231	PL094029.D	04 Feb 2025 00:40		AR\AJ	Ok,M
52	Q1269-01MS	VNJ-231MS	PL094030.D	04 Feb 2025 00:53		AR\AJ	Ok,M
53	Q1269-01MSD	VNJ-231MSD	PL094031.D	04 Feb 2025 01:06		AR\AJ	Ok,M
54	Q1271-01	RBR200030	PL094032.D	04 Feb 2025 01:19		AR\AJ	Ok,M
55	I.BLK	I.BLK	PL094033.D	04 Feb 2025 01:32		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020325

Review By	Abdul	Review On	2/4/2025 2:03:14 PM		
Supervise By	Ankita	Supervise On	2/4/2025 3:37:15 PM		
SubDirectory	PL020325	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

56	PSTDCCC050	PSTDCCC050	PL094034.D	04 Feb 2025 01:46		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166318

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 01/28/2025 **Time :** 16:30

End Prep Date : 01/29/2025 **Time :** 09:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. q1209-05 is used for MS-MSD. Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25 11:00	JP TCLP Room	SRD.
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166318

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB166318TB	LEB318	11	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1205-02	VNJ-236	01	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1206-04	JPP-20.1-012725	02	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1206-08	JPP-16.3-012725	03	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q1207-04	JPP-2.1-012725	04	100.03	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q1207-08	JPP-5.1-012725	05	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q1207-12	JPP-4.5-012725	06	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q1207-16	JPP-16.2-012725	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1207-20	JPP-20.2-012725	08	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1209-04	WC-4	09	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1209-08	WC-5	10	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166318TB	LEB318	N/A	N/A	N/A	N/A	N/A	N/A
Q1205-02	VNJ-236	N/A	N/A	N/A	N/A	100	N/A
Q1206-04	JPP-20.1-012725	N/A	N/A	N/A	N/A	100	N/A
Q1206-08	JPP-16.3-012725	N/A	N/A	N/A	N/A	100	N/A
Q1207-04	JPP-2.1-012725	N/A	N/A	N/A	N/A	100	N/A
Q1207-08	JPP-5.1-012725	N/A	N/A	N/A	N/A	100	N/A
Q1207-12	JPP-4.5-012725	N/A	N/A	N/A	N/A	100	N/A
Q1207-16	JPP-16.2-012725	N/A	N/A	N/A	N/A	100	N/A
Q1207-20	JPP-20.2-012725	N/A	N/A	N/A	N/A	100	N/A
Q1209-04	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1209-08	WC-5	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB166318

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB166318TB	LEB318	N/A	N/A	N/A	N/A	#1	4.94
Q1205-02	VNJ-236	5.02	96.5	6.0	2.0	#1	4.94
Q1206-04	JPP-20.1-012725	5.03	96.5	8.6	3.0	#1	4.94
Q1206-08	JPP-16.3-012725	5.02	96.5	9.1	3.5	#1	4.94
Q1207-04	JPP-2.1-012725	5.01	96.5	9.0	4.0	#1	4.94
Q1207-08	JPP-5.1-012725	5.02	96.5	11.0	4.5	#1	4.94
Q1207-12	JPP-4.5-012725	5.03	96.5	11.5	4.5	#1	4.94
Q1207-16	JPP-16.2-012725	5.02	96.5	10.5	4.0	#1	4.94
Q1207-20	JPP-20.2-012725	5.01	96.5	9.1	3.5	#1	4.94
Q1209-04	WC-4	5.02	96.5	6.4	2.5	#1	4.94
Q1209-08	WC-5	5.03	96.5	6.6	2.0	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1109 **WorkList ID :** 187224 **Department :** TCLP Extraction **Date :** 01-28-2025 14:21:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1205-02	VNJ-236	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	01/28/2025	1311
Q1206-04	JPP-20.1-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1206-08	JPP-16.3-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1207-04	JPP-2.1-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1207-08	JPP-5.1-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1207-12	JPP-4.5-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1207-16	JPP-16.2-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01		01/27/2025	1311
Q1207-20	JPP-20.2-012725	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1209-04	WC-4	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/27/2025	1311
Q1209-08	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/28/2025	1311
					PSEG03	N41	01/28/2025	1311

Date/Time 01/28/25 14:30
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 01/28/25 17:00
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166353

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Extraction Start Date : 01/29/2025

Matrix : Water

Extraction Start Time : 11:20

Weigh By: EH

Extraction By: RS

Extraction End Date : 01/29/2025

Balance check: EH

Filter By: RS

Extraction End Time : 16:20

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	PP24091
Surrogate	1.0ML	200 PPB	PP24123
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2579
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Hexane	N/A	E3868
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ext. Tech)	R. Pest/PCB Lab
16:25	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166353

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166318TB	PB166318TB	TCLP Pesticide	100	6	RUPESH	rajesh	10			SEP-01
PB166353BL	PBLK353	TCLP Pesticide	1000	6	RUPESH	rajesh	10			2
PB166353BS	PLCS353	TCLP Pesticide	1000	6	RUPESH	rajesh	10			3
Q1206-04	JPP-20.1-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		4
Q1206-04MS	JPP-20.1-012725MS	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		5
Q1206-04MSD	JPP-20.1-012725MSD	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		6
Q1206-08	JPP-16.3-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		7
Q1207-04	JPP-2.1-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		8
Q1207-08	JPP-5.1-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		9
Q1207-12	JPP-4.5-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		10
Q1207-16	JPP-16.2-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		11
Q1207-20	JPP-20.2-012725	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		12

* **Extracts relinquished on the same date as received.**

1/29/25

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166318

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB166318TB	LEB318	11	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1205-02	VNJ-236	01	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1206-04	JPP-20.1-012725	02	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1206-08	JPP-16.3-012725	03	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q1207-04	JPP-2.1-012725	04	100.03	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q1207-08	JPP-5.1-012725	05	100.04	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q1207-12	JPP-4.5-012725	06	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q1207-16	JPP-16.2-012725	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1207-20	JPP-20.2-012725	08	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1209-04	WC-4	09	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1209-08	WC-5	10	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-1

11:00

01/29/25

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Prep Standard - Chemical Standard Summary

Order ID : Q1206

Test : TCLP Pesticide

Prepbatch ID : PB166353,

Sequence ID/Qc Batch ID: pl012925,pl013025,pl020325,

Standard ID :
EP2579,EP2580,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24091,PP24095,PP24123,

Chemical ID :
E2865,E3551,E3792,E3805,E3843,E3846,E3847,E3868,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2579	01/06/2025	06/16/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3847 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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	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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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

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
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

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

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

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

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

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
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

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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	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/17/2025	01/17/2025 / Rajesh	01/02/2025 / Rajesh	E3868

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

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	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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

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 RP on 7/24/23 E3551

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

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

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 12/13/24

E 3846

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

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

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 01/03/25

E3868

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)

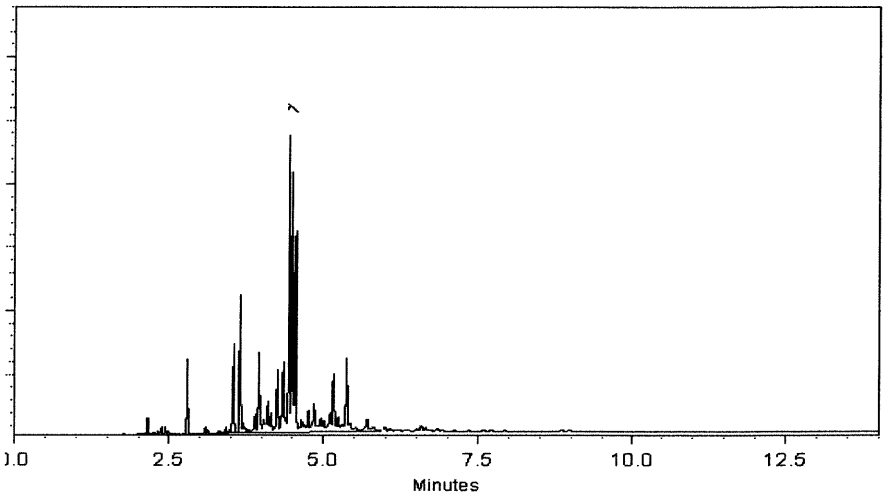
Carrier Gas:
helium-constant pressure 20 psi.

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 ↓ P 11896 | (5) | 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
↓
P130437
|

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.)

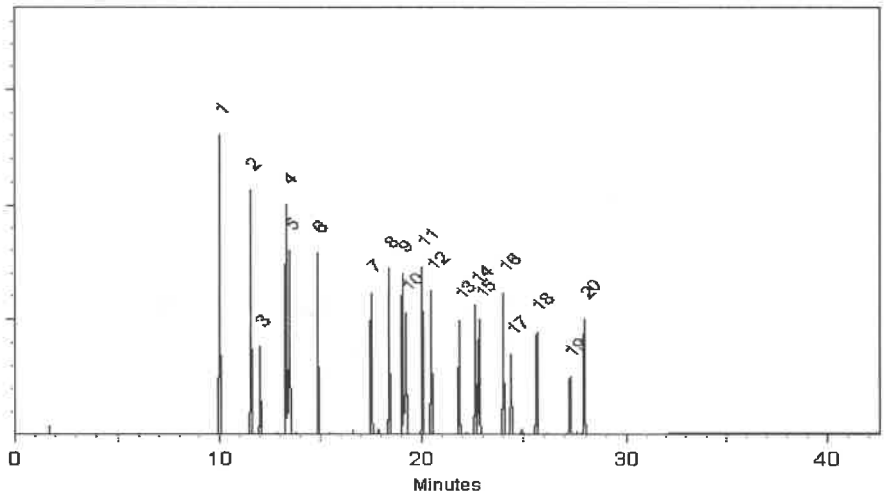
Inj. Temp:
200°C

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

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: 79136
Lot Number: 102821
Description: Mirex

Solvent(s): **Lot#**
Acetone 81025

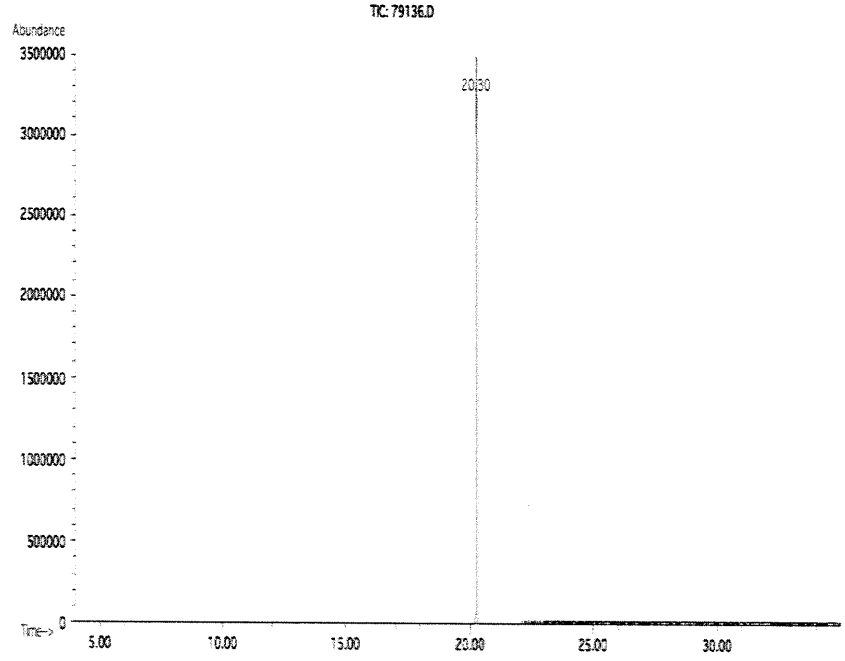
Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

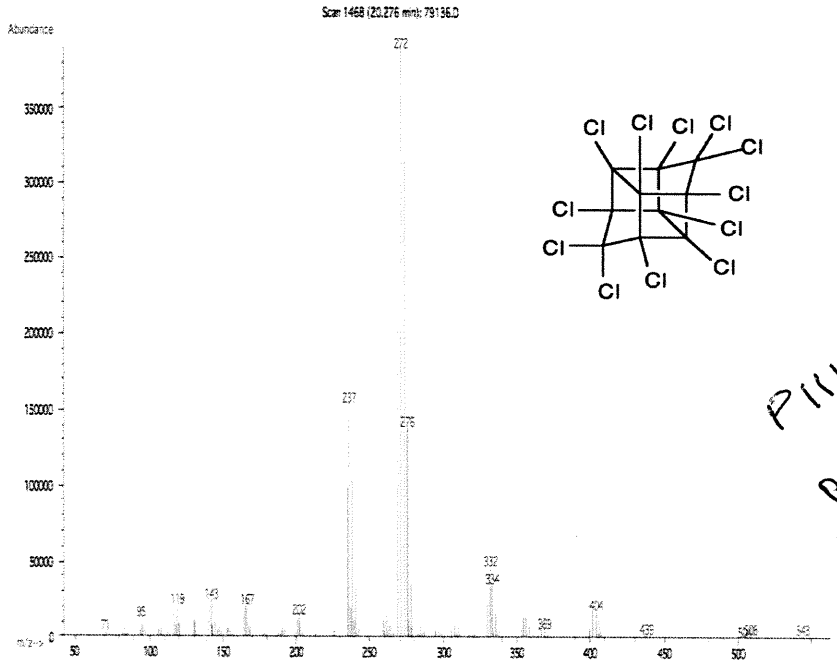
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

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.





P11142 To P11146
AR 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are 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).

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 } 5
P 13038 }

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) 5
↓
P13038 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.)

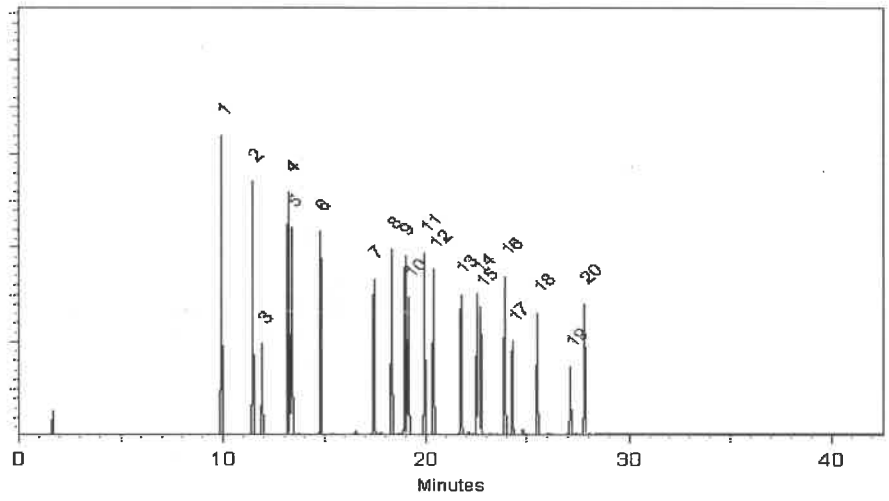
Inj. Temp:
200°C

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

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Certified Reference Material CRM

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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 ± 0.021 Flask Uncertainty

5E-05 Balance 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).

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

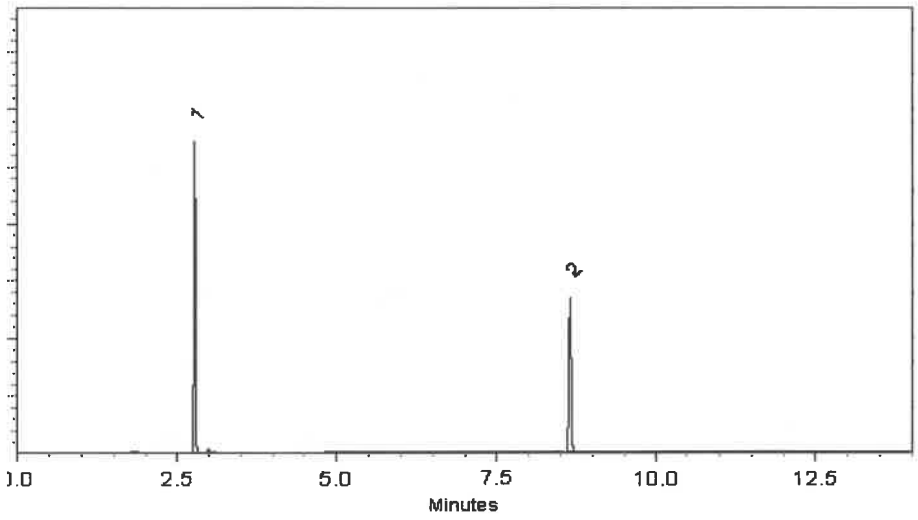
Inj. Temp:
250°C

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
04/25/2025

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

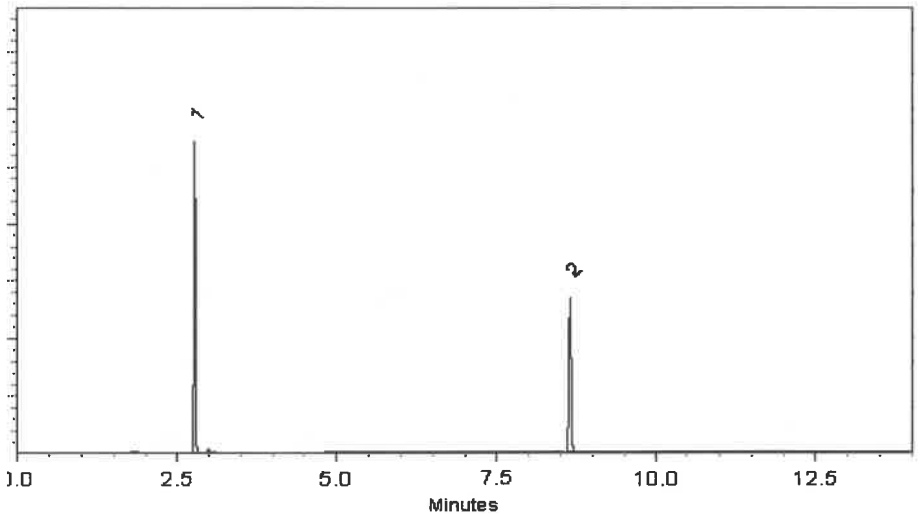
Inj. Temp:
250°C

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

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

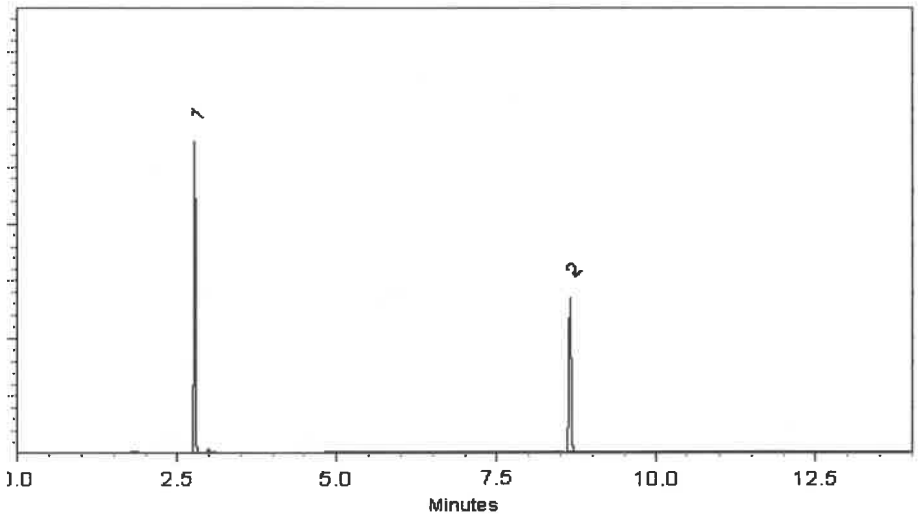
Inj. Temp:
250°C

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
04/25/2025

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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.

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.)

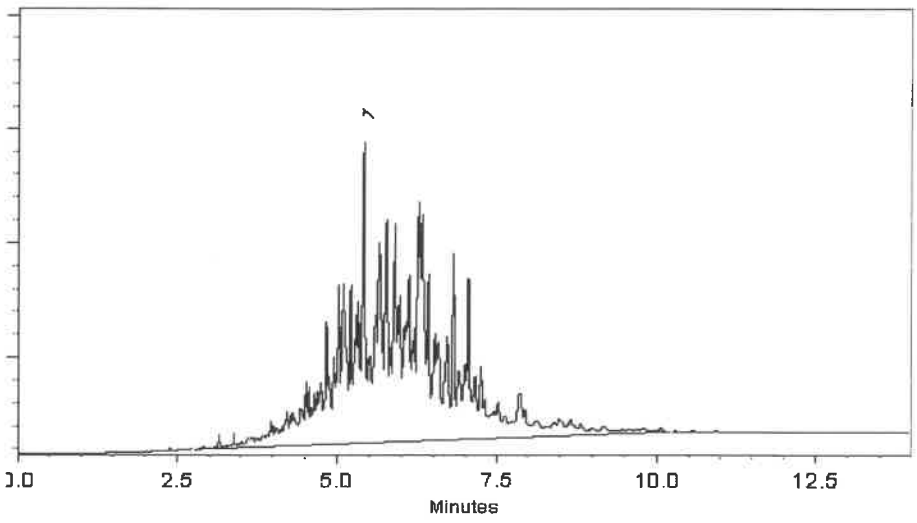
Inj. Temp:
250°C

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA 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.

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.)

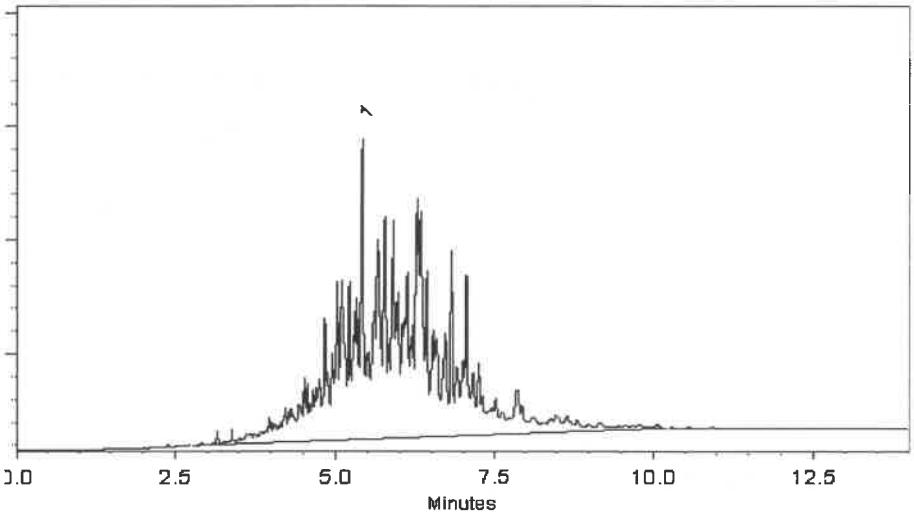
Inj. Temp:
250°C

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

P1340Z
↓
P1340G
5

5/22/2024

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1206
QUOTE NO.
COC Number 2041690

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive
Monroe Twp, NJ 08831
CITY ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMLR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as Company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOC + TICs + MTBE/TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-20,1-012725	Soil		G	1/27/25	14:15	3	X	X	X							
2.	JPP-20,1-012725	Soil	C		1/27/25	14:18	7			X	X	X	X	X	X	X	
3.	JPP-16,3-012725	Soil		G	1/27/25	15:10	3	X	X	X							
4.	JPP-16,3-012725	Soil	C		1/27/25	15:15	7			X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. RM	1/28/2025	1.	1053 1-28-25
2.		2.	
3.	1259 1-28-25	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
Comments: preserve extra sample jar if additional analysis is Required.

Page ____ of ____
CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

Copyright © 2023
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

YG 02/03/25

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-01	JPP-20.1-012725	Solid	01/27/2025	14:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1206-05	JPP-16.3-012725	Solid	01/27/2025	15:10					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1-28-25 1447

Received By :
Date / Time : 1/28/25 14:47

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-~~03~~01	JPP-20.1-012725	Solid	01/27/2025	~~14:18~~ 14:15	Gasoline Range Organics		8015D		10 Bus. Days
Q1206-~~07~~05	JPP-16.3-012725	Solid	01/27/2025	~~15:17~~ 15:10	Gasoline Range Organics		8015D		10 Bus. Days

YG
02/03/25

Relinguished By :
Date / Time : 1-28-25 1447

Received By : Sam
Date / Time : 1/28/25 14:47
Storage Area : VOA Refridgerator Room

Jeff
P22