284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1242

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1242-01	JPP-6.2-013025
Q1242-02	JPP-6.2-013025
Q1242-03	JPP-6.2-013025
Q1242-04	JPP-6.2-013025

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: 2/7/2025

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 # Q1242
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/30/2025.

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:

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

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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: Q1242 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:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1242**

	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:** **02/07/2025**

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LAB CHRONICLE

OrderID:	Q1242	**OrderDate:**	1/30/2025 3:02:00 PM
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
Q1242-01	**JPP-6.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			Diesel Range Organics	8015D		01/31/25	01/31/25	
			Gasoline Range Organics	8015D			01/31/25	
Q1242-04	**JPP-6.2-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP Herbicide	8151A		02/03/25	02/03/25	
			TCLP Pesticide	8081B		02/03/25	02/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1242 **Order ID:** Q1242

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.: Q1242

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-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
PB166484BL	PB166484BL	Decachlorobiphenyl	1	20	24.0	120		43	140
		Tetrachloro-m-xylene	1	20	23.4	117		77	126
		Decachlorobiphenyl	2	20	24.6	123		43	140
		Tetrachloro-m-xylene	2	20	22.3	112		77	126
PB166423TB	PB166423TB	Decachlorobiphenyl	1	20	24.6	123		43	140
		Tetrachloro-m-xylene	1	20	23.7	118		77	126
		Decachlorobiphenyl	2	20	25.9	130		43	140
		Tetrachloro-m-xylene	2	20	22.7	114		77	126
Q1241-04MS	JPP-3.5-013025MS	Decachlorobiphenyl	1	20	25.2	126		43	140
		Tetrachloro-m-xylene	1	20	22.9	114		77	126
		Decachlorobiphenyl	2	20	26.6	133		43	140
		Tetrachloro-m-xylene	2	20	22.3	112		77	126
Q1241-04MSD	JPP-3.5-013025MSD	Decachlorobiphenyl	1	20	25.1	126		43	140
		Tetrachloro-m-xylene	1	20	23.1	116		77	126
		Decachlorobiphenyl	2	20	26.7	134		43	140
		Tetrachloro-m-xylene	2	20	22.4	112		77	126
Q1242-04	JPP-6.2-013025	Decachlorobiphenyl	1	20	23.8	119		43	140
		Tetrachloro-m-xylene	1	20	23.9	119		77	126
		Decachlorobiphenyl	2	20	25.4	127		43	140
		Tetrachloro-m-xylene	2	20	23.3	116		77	126
I.BLK-PL094020.D	PIBLK-PL094020.D	Decachlorobiphenyl	1	20	22.8	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	24.3	121		43	140
		Tetrachloro-m-xylene	2	20	21.1	106		77	126
I.BLK-PL094036.D	PIBLK-PL094036.D	Decachlorobiphenyl	1	20	23.0	115		43	140
		Tetrachloro-m-xylene	1	20	22.4	112		77	126
		Decachlorobiphenyl	2	20	23.3	116		43	140
		Tetrachloro-m-xylene	2	20	21.9	110		77	126
PB166484BS	PB166484BS	Decachlorobiphenyl	1	20	20.7	103		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	19.1	95		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL094051.D	PIBLK-PL094051.D	Decachlorobiphenyl	1	20	20.1	101		43	140

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Surrogate Summary

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL094051.D	PIBLK-PL094051.D	Tetrachloro-m-xylene	1	20	21.9	109		77	126
		Decachlorobiphenyl	2	20	19.6	98		43	140
		Tetrachloro-m-xylene	2	20	21.4	107		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL094013.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-3.5-013025MS**											
Q1241-04MS	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				60	152	
	Heptachlor	5	0	5.30	ug/L	106				56	147	
	Heptachlor epoxide	5	0	5.10	ug/L	102				77	143	
	Endrin	5	0	5.60	ug/L	112				76	144	
	Methoxychlor	5	0	5.80	ug/L	116				70	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B **DataFile :** PL094014.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-3.5-013025MSD**											
Q1241-04MSD	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		60	152	20
	Heptachlor	5	0	5.30	ug/L	106		0		56	147	20
	Heptachlor epoxide	5	0	5.10	ug/L	102		0		77	143	20
	Endrin	5	0	5.60	ug/L	112		0		76	144	20
	Methoxychlor	5	0	5.80	ug/L	116		0		70	142	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1242

Client: RU2 Engineering, LLC

Analytical Method: 8081B **Datafile :** PL094042.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166484BS	gamma-BHC (Lindane)	0.5	0.48	ug/L	96				82	129	
	Heptachlor	0.5	0.48	ug/L	97				79	127	
	Heptachlor epoxide	0.5	0.49	ug/L	99				81	124	
	Endrin	0.5	0.47	ug/L	94				81	128	
	Methoxychlor	0.5	0.43	ug/L	85				78	108	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166484BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242 SDG NO.: Q1242

Lab Sample ID: PB166484BL Lab File ID: PL094009.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/03/2025

Date Analyzed (1): 02/03/2025 Date Analyzed (2): 02/03/2025

Time Analyzed (1): 19:36 Time Analyzed (2): 19:36

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
PB166423TB	PB166423TB	PL094011.D	02/03/2025	02/03/2025
JPP-3.5-013025MS	Q1241-04MS	PL094013.D	02/03/2025	02/03/2025
JPP-3.5-013025MSD	Q1241-04MSD	PL094014.D	02/03/2025	02/03/2025
JPP-6.2-013025	Q1242-04	PL094019.D	02/03/2025	02/03/2025
PB166484BS	PB166484BS	PL094042.D	02/04/2025	02/04/2025

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **PL094011.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/03/25
Client Sample ID:	PB166423TB	SDG No.:	Q1242
Lab Sample ID:	PB166423TB	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
PL094011.D	1	02/03/25 09:36	02/03/25 20:02	PB166484

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	25.9		43 - 140	130%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.7		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\PL020325\
Data File : PL094011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:02
Operator : AR\AJ
Sample : PB166423TB
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166423TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:49:37 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...	3.538	2.773	63797981	74163075	23.692	22.720
28)	SA Decachlor...	9.056	7.910	51384099	90902013	24.563	25.942
	Target Compounds						

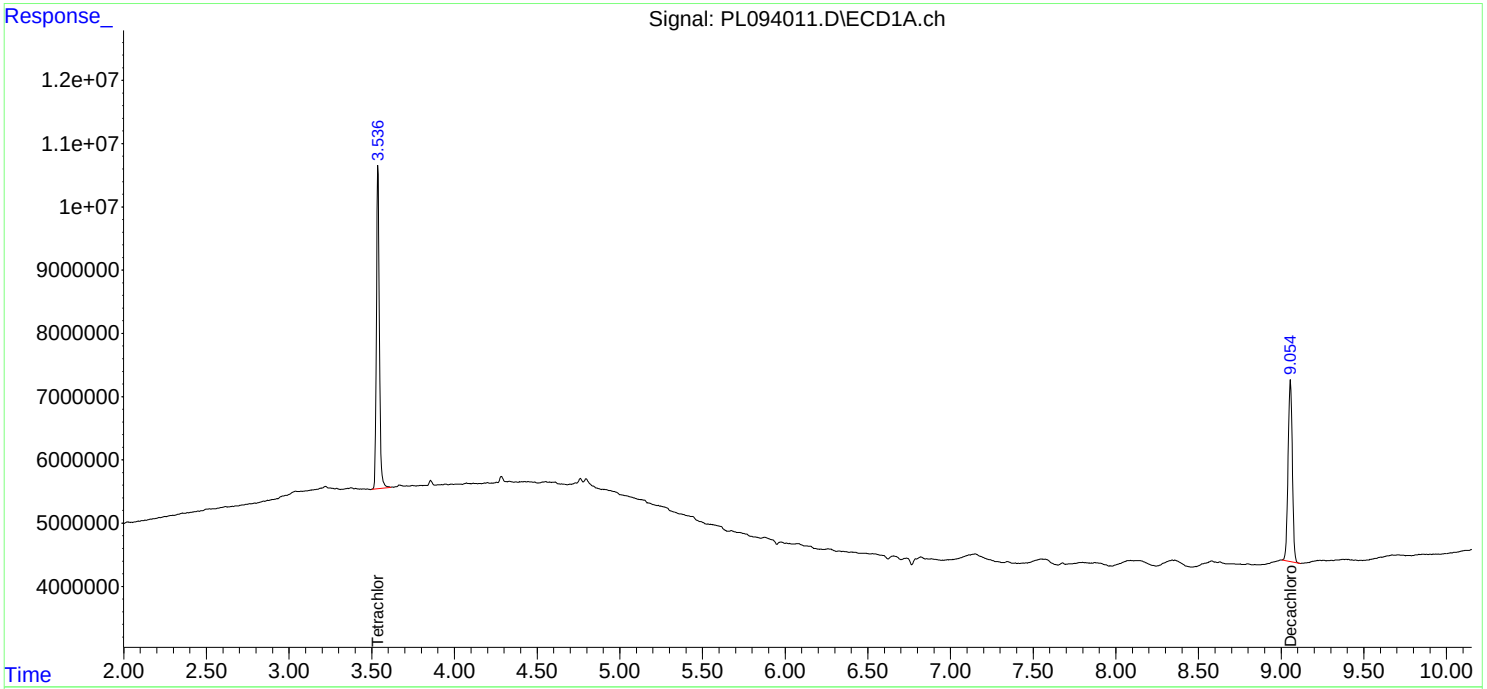
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

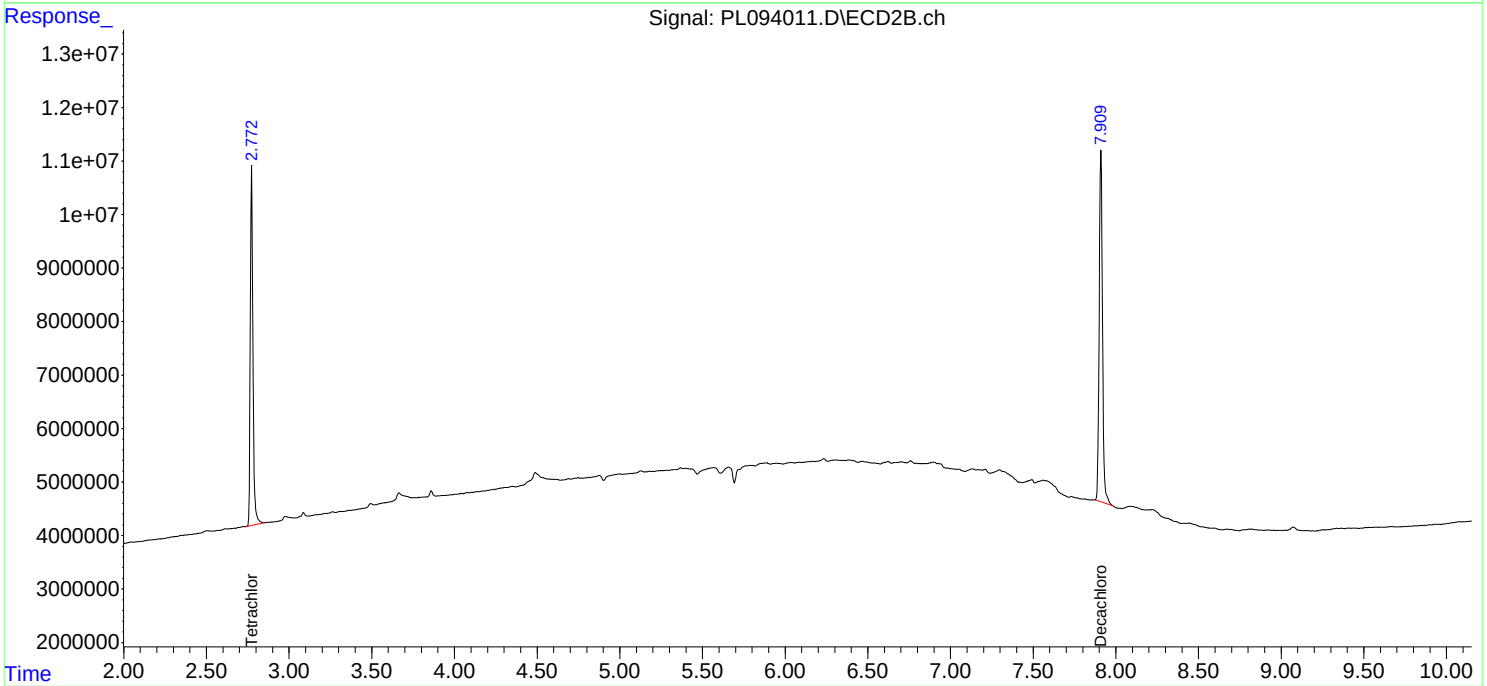
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:02
Operator : AR\AJ
Sample : PB166423TB
Misc :
ALS Vial : 30 Sample Multiplier: 1

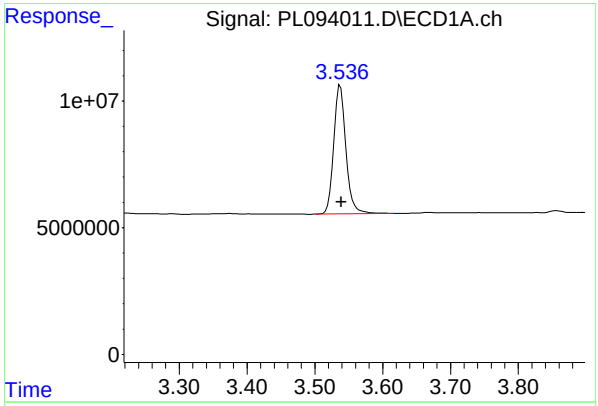
Instrument :
ECD_L
ClientSampleId :
PB166423TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:49:37 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



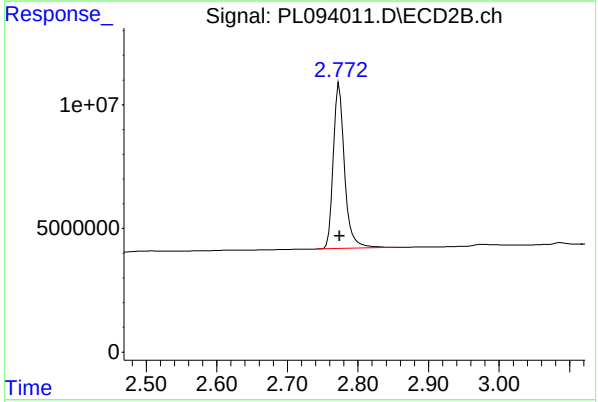




#1 Tetrachloro-m-xylene

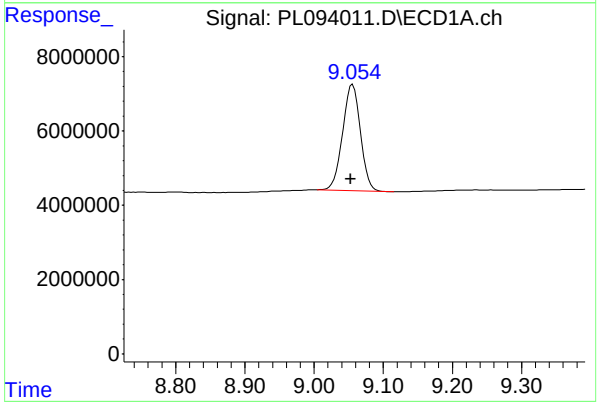
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 63797981
Conc: 23.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166423TB



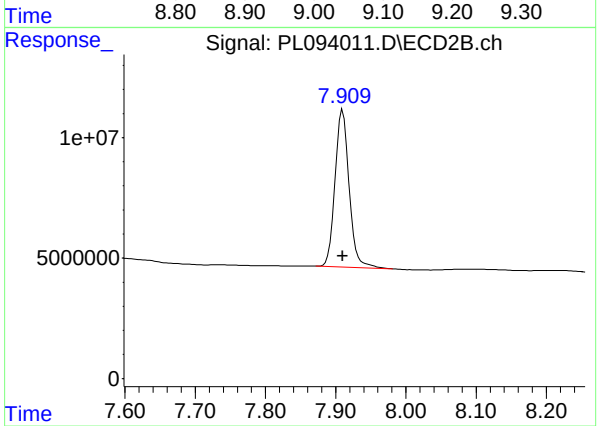
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 74163075
Conc: 22.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 51384099
Conc: 24.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 90902013
Conc: 25.94 ng/ml

Raw Data: **PL094019.D**

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:	JPP-6.2-013025	SDG No.:	Q1242
Lab Sample ID:	Q1242-04	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
PL094019.D	1	02/03/25 09:36	02/03/25 21:48	PB166484

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	25.4		43 - 140	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		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

Quantitation Report (QT Reviewed)

Sample Results: **PL094019.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:48
Operator : AR\AJ
Sample : Q1242-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-6.2-013025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:52:59 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...	3.538	2.774	64322067	75977478	23.887	23.276
28)	SA Decachlor...	9.055	7.910	49844000	88949433	23.827	25.385
	Target Compounds						

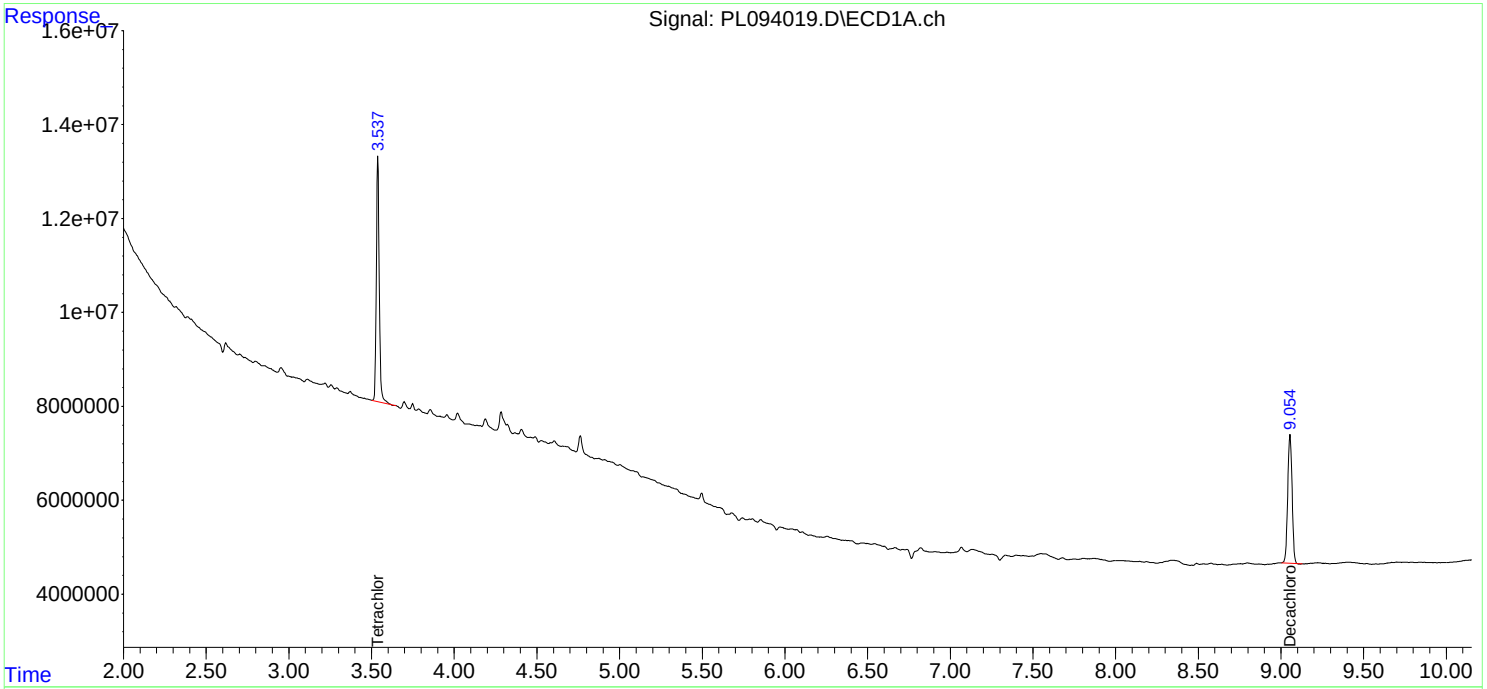
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

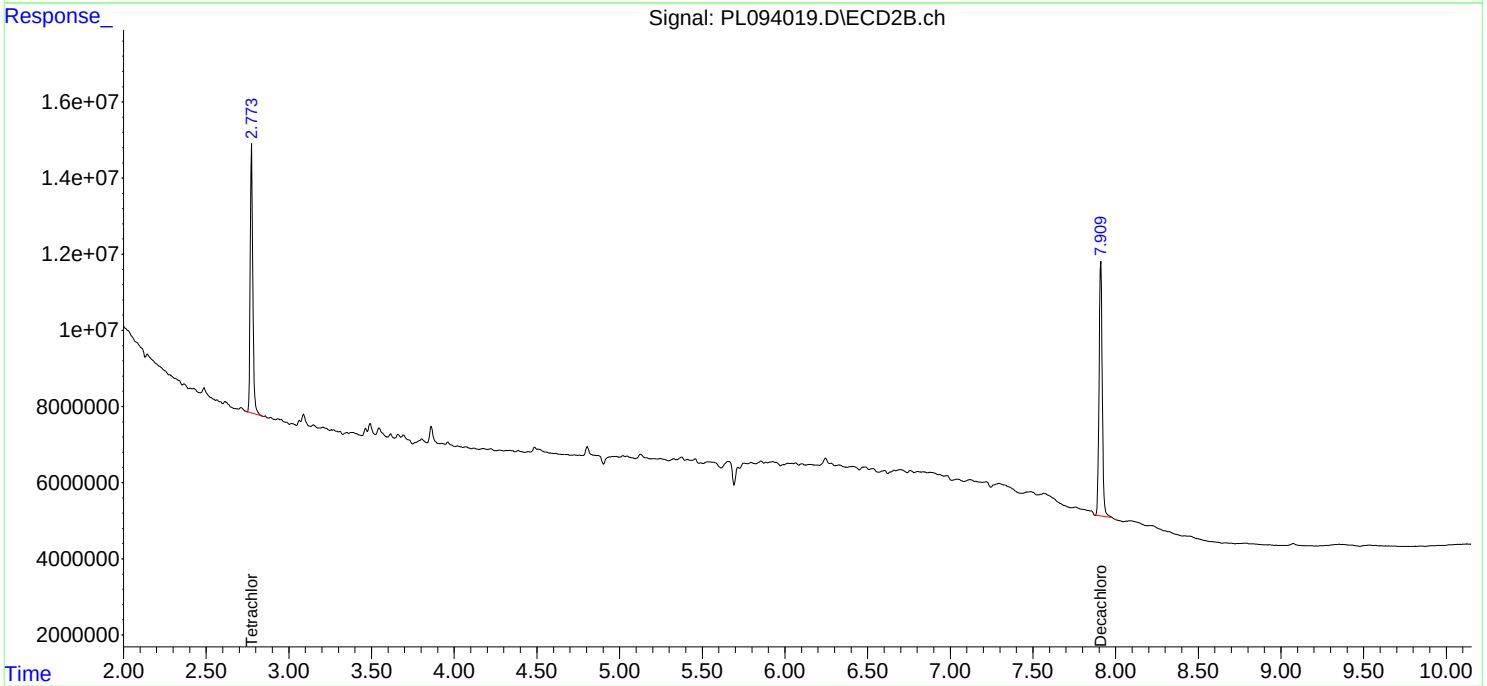
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:48
Operator : AR\AJ
Sample : Q1242-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

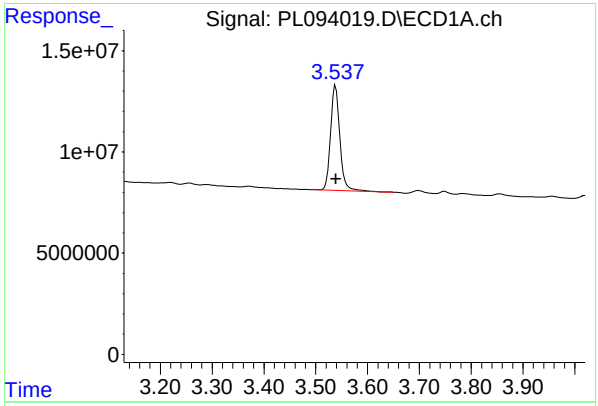
Instrument :
ECD_L
ClientSampleId :
JPP-6.2-013025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:52:59 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



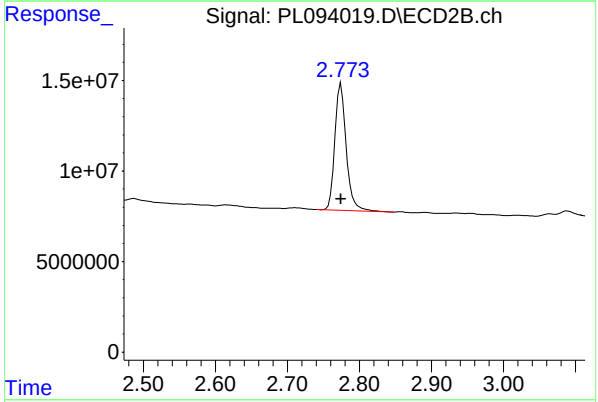




#1 Tetrachloro-m-xylene

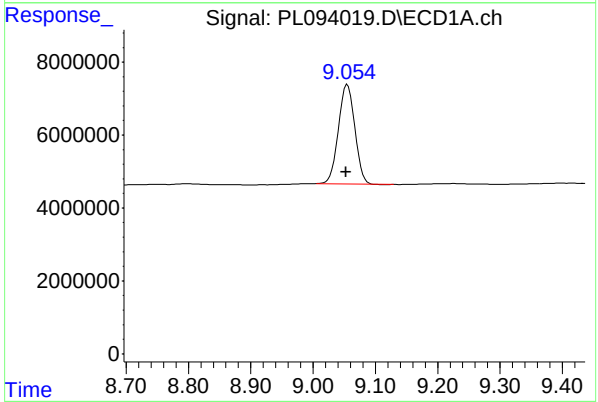
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 64322067
Conc: 23.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-6.2-013025



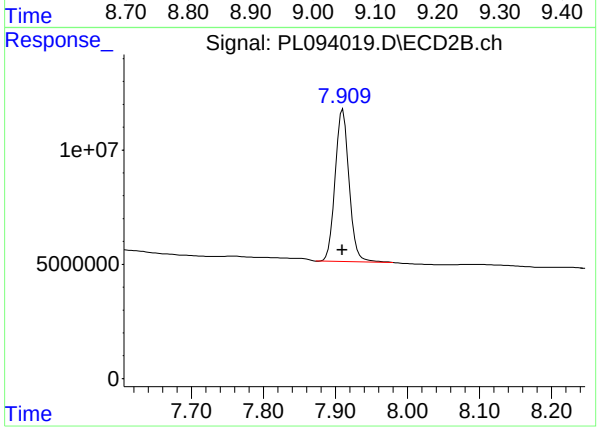
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 75977478
Conc: 23.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 49844000
Conc: 23.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 88949433
Conc: 25.38 ng/ml

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP
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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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)

ICAL Form

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.

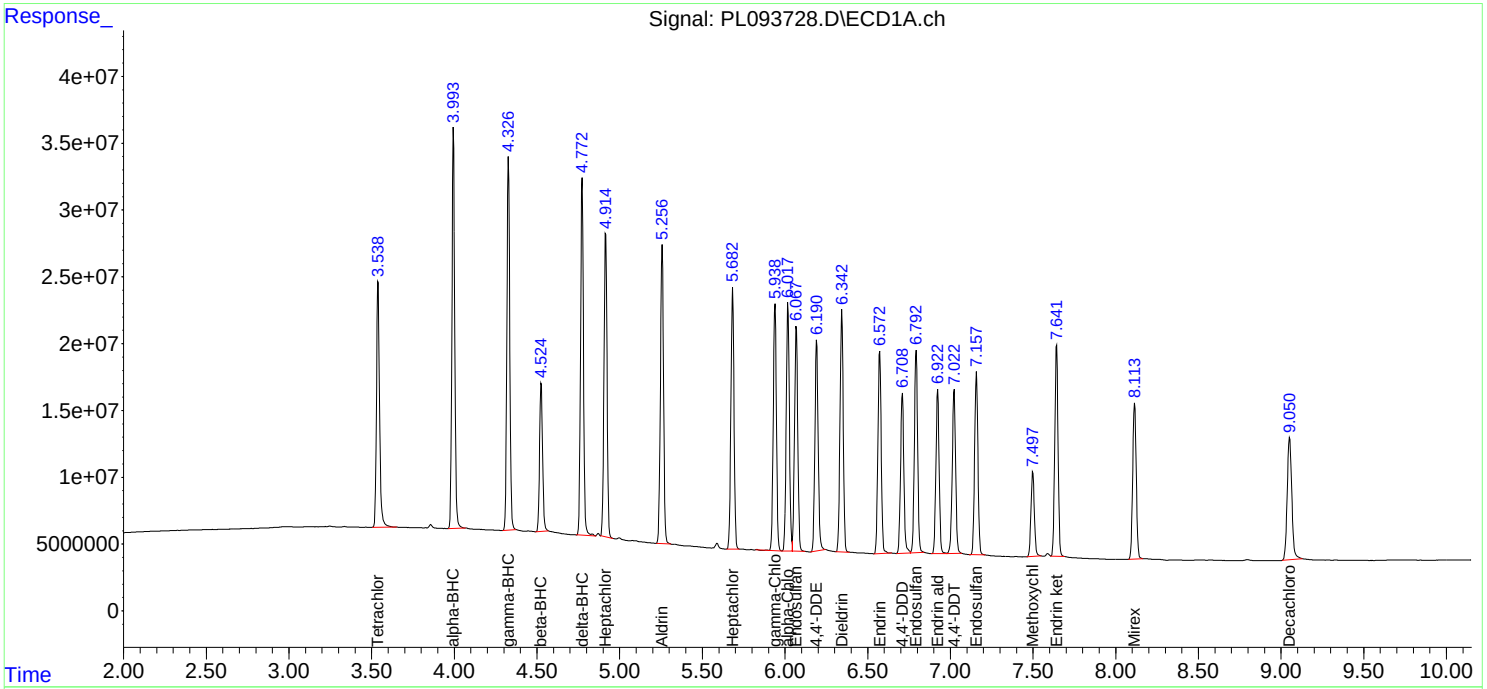
ICAL Form

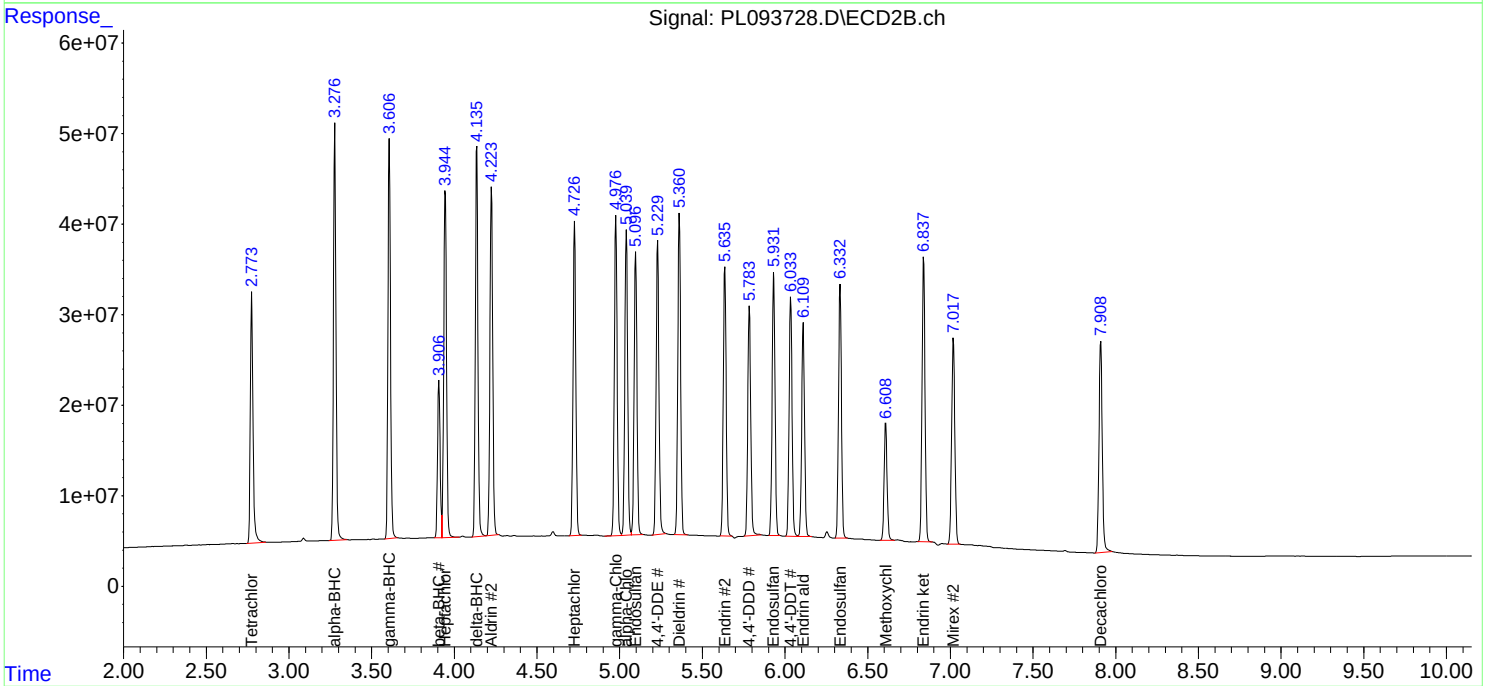
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

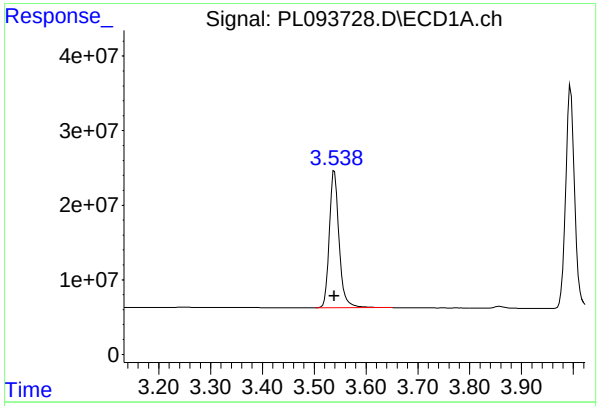
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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



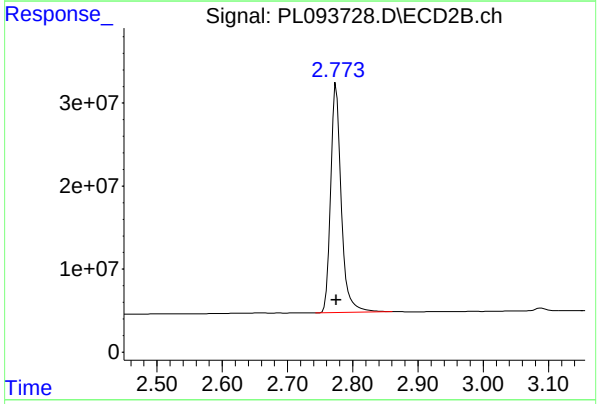




#1 Tetrachloro-m-xylene

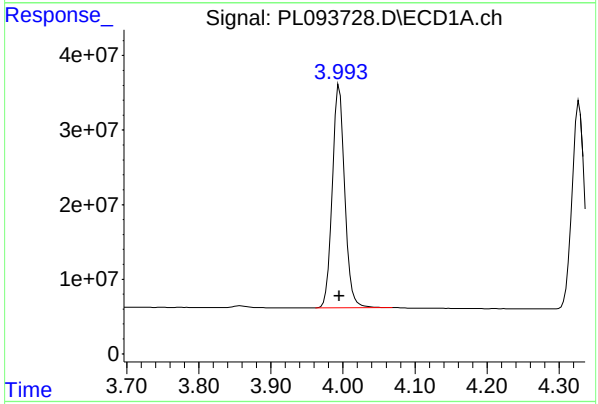
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



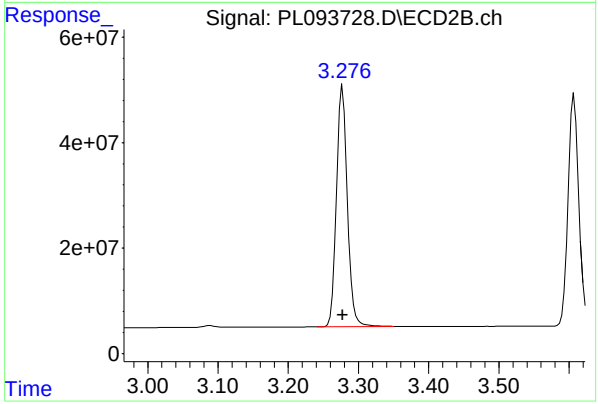
#1 Tetrachloro-m-xylene

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



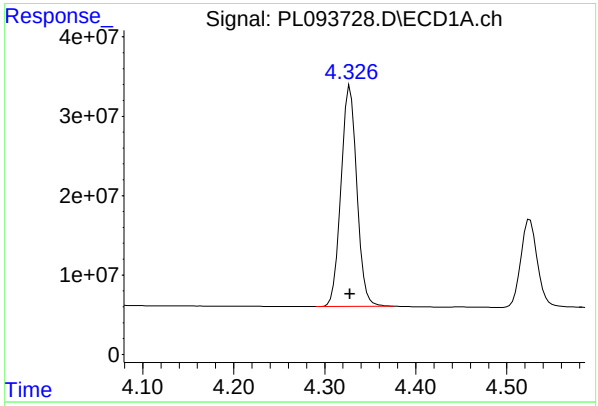
#2 alpha-BHC

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



#2 alpha-BHC

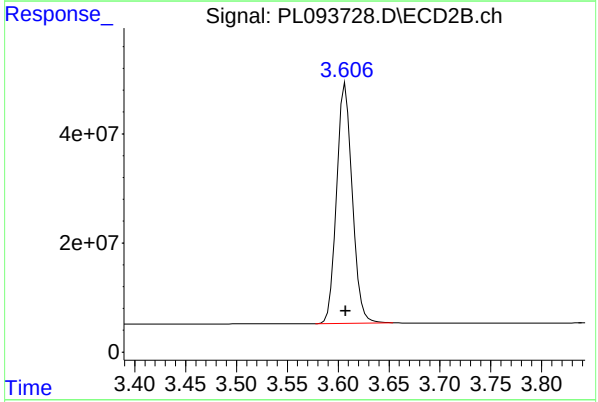
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

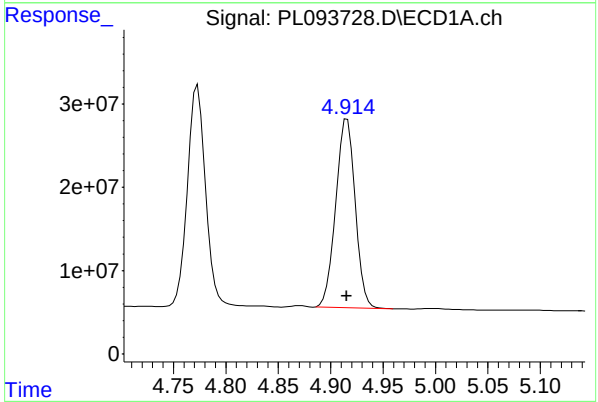
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



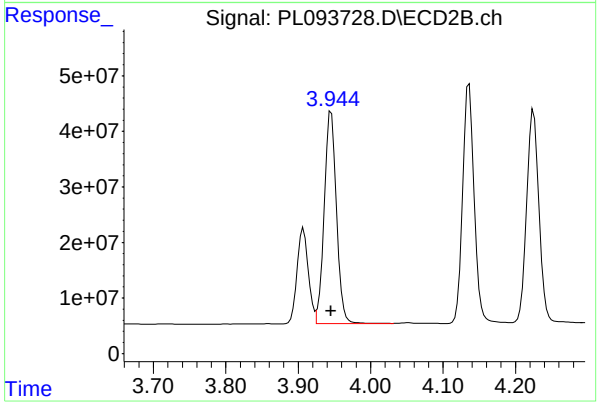
#3 gamma-BHC (Lindane)

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



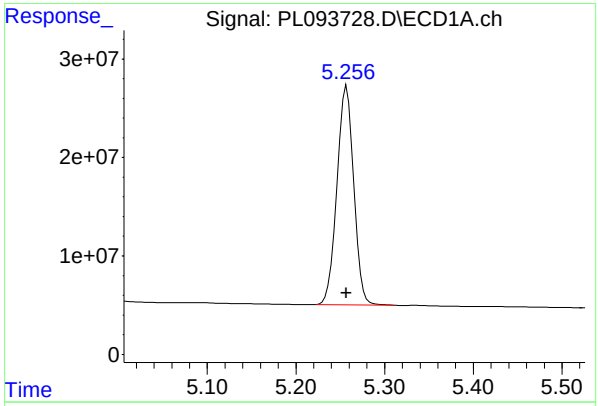
#4 Heptachlor

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



#4 Heptachlor

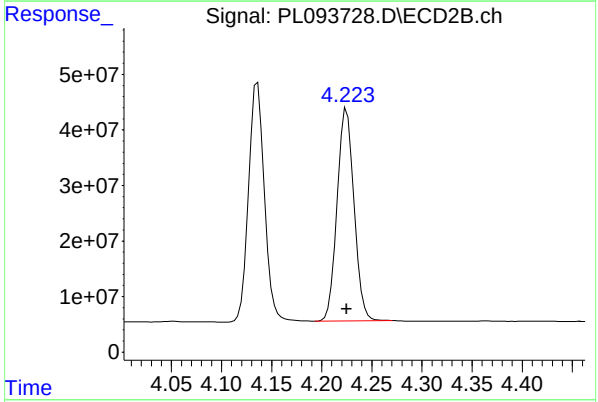
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

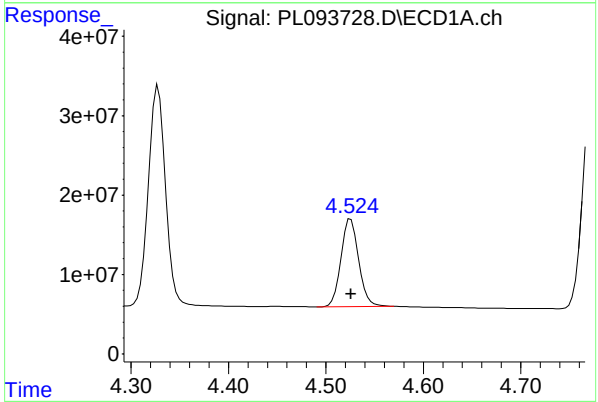
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



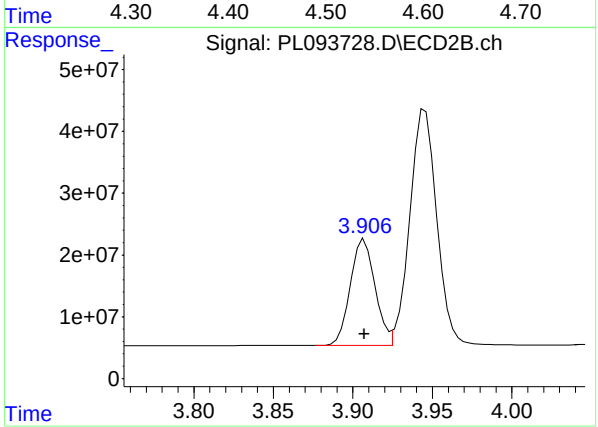
#5 Aldrin

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



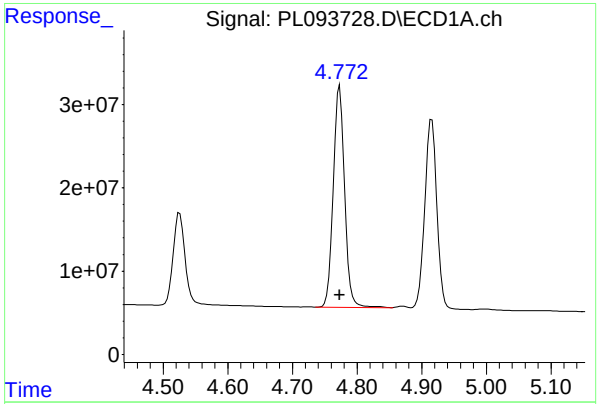
#6 beta-BHC

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



#6 beta-BHC

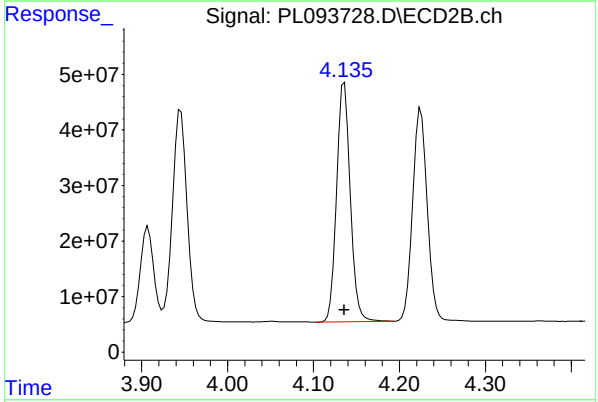
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

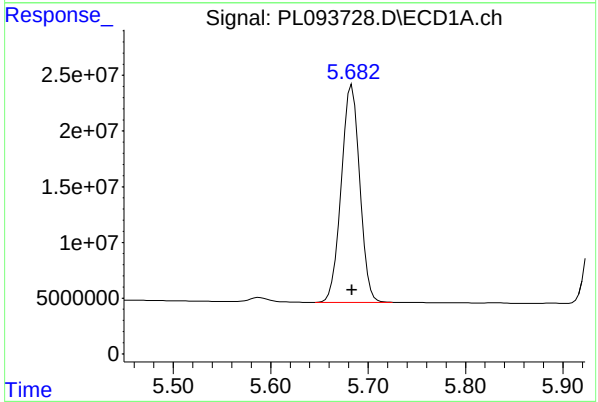
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



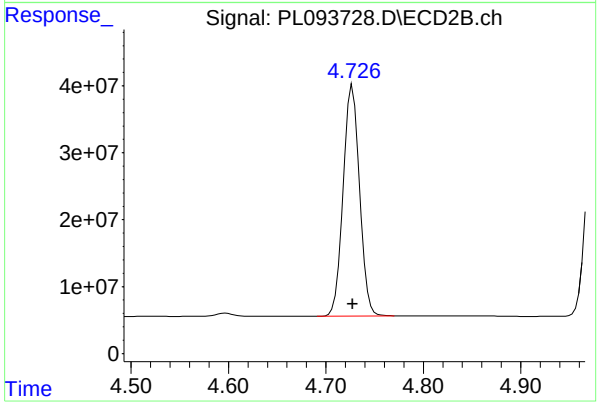
#7 delta-BHC

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



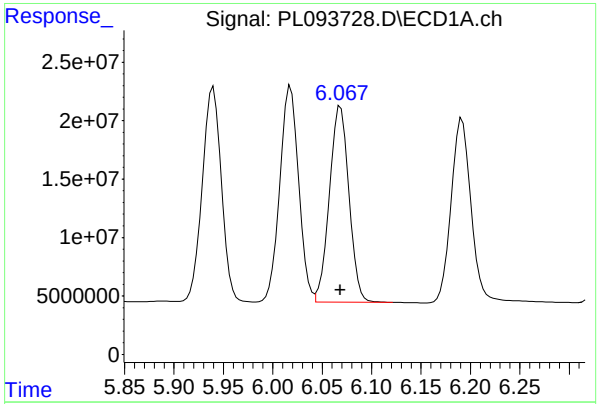
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

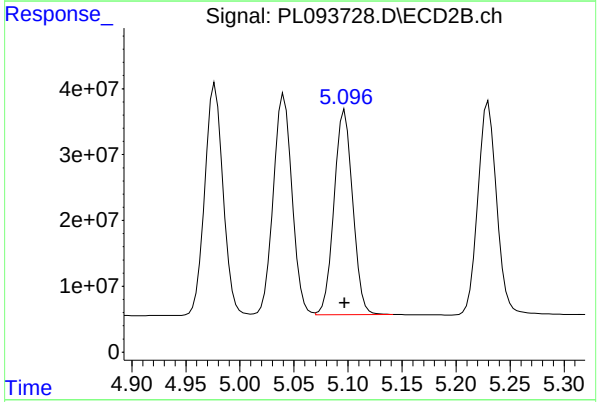
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

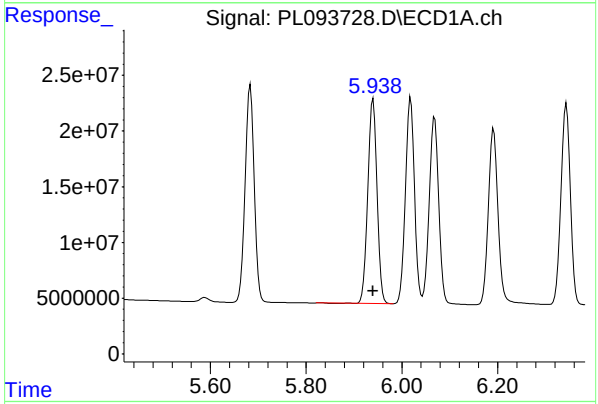
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



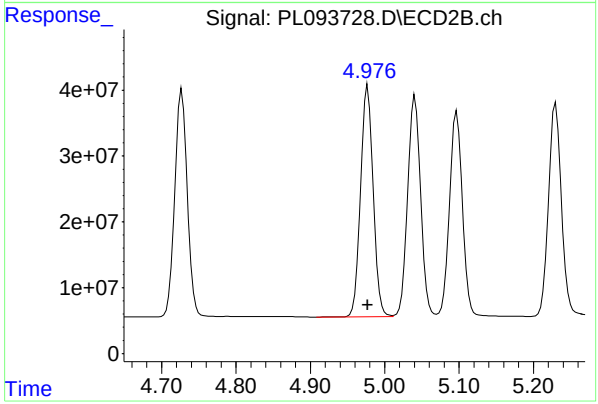
#9 Endosulfan I

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



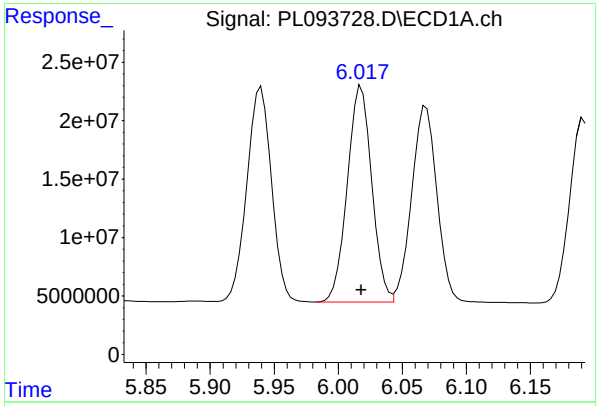
#10 gamma-Chlordane

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



#10 gamma-Chlordane

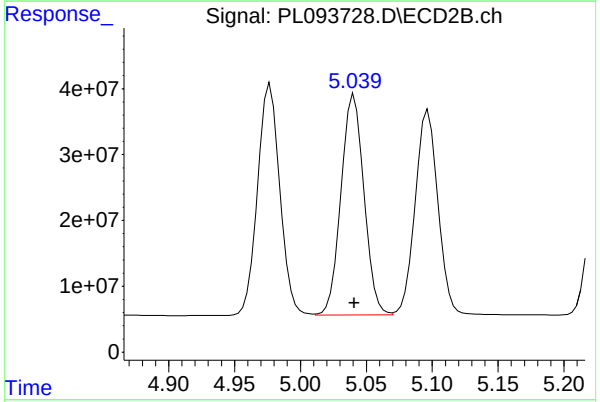
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

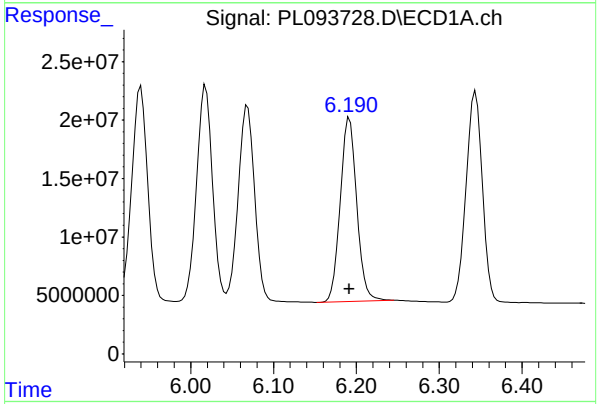
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



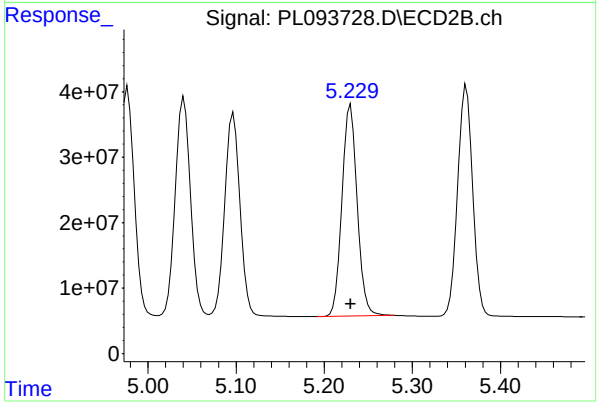
#11 alpha-Chlordane

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



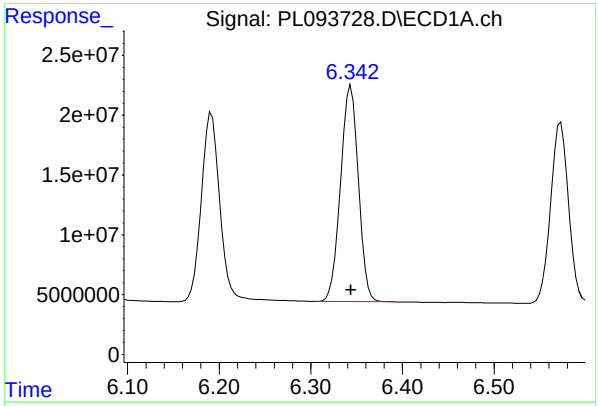
#12 4,4'-DDE

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



#12 4,4'-DDE

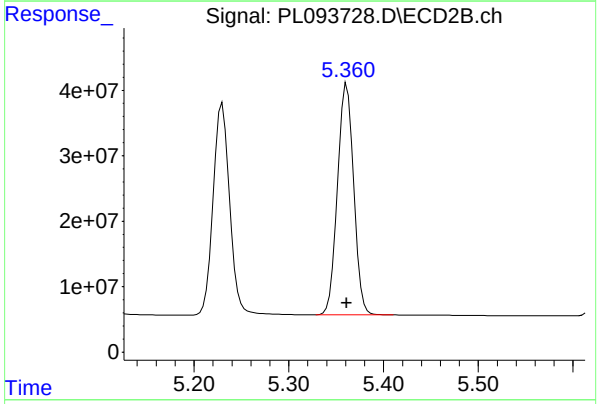
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

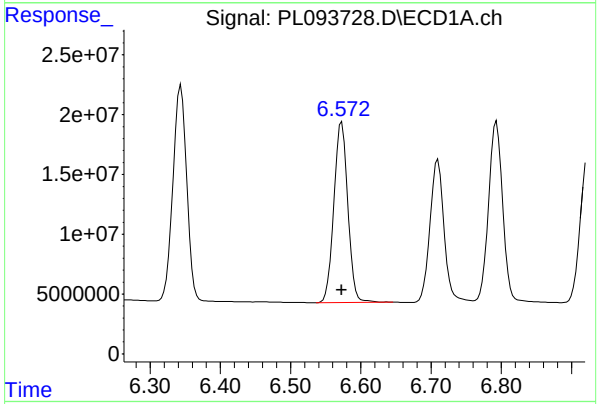
R.T.: 6.344 min
Delta R.T.: 0.000 mi
Response: 245657863
Conc: 93.68 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



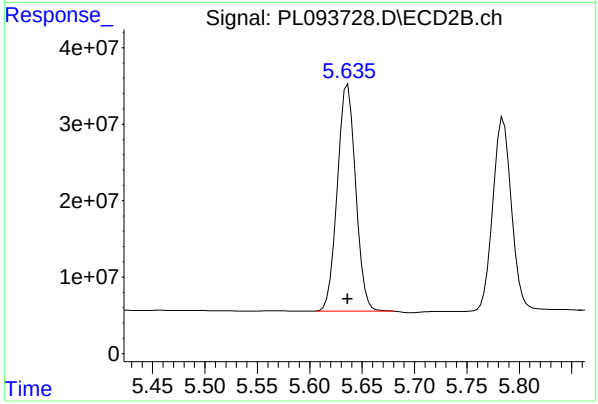
#13 Dieldrin

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



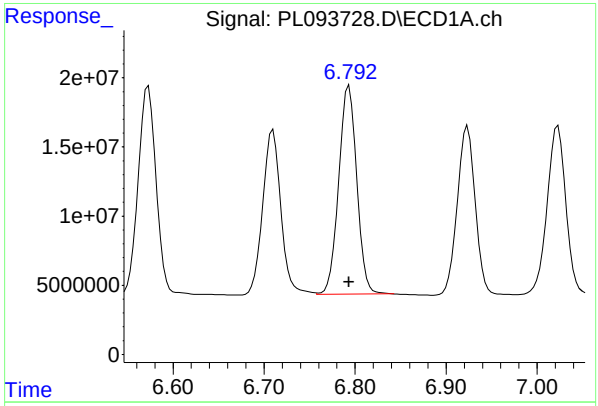
#14 Endrin

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



#14 Endrin

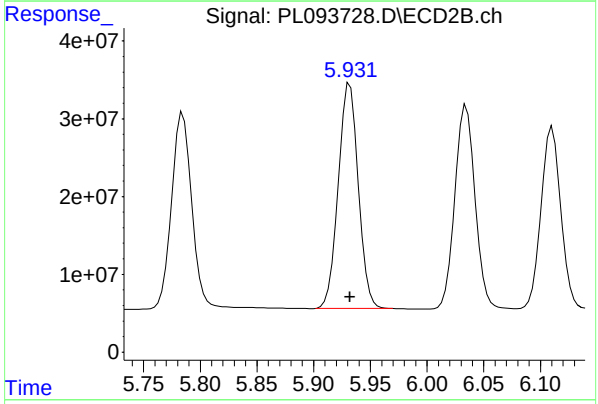
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

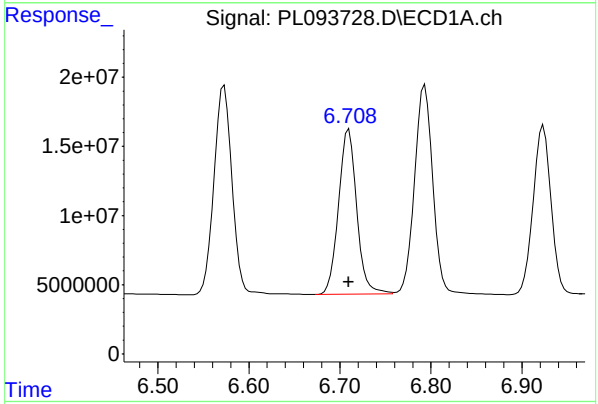
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



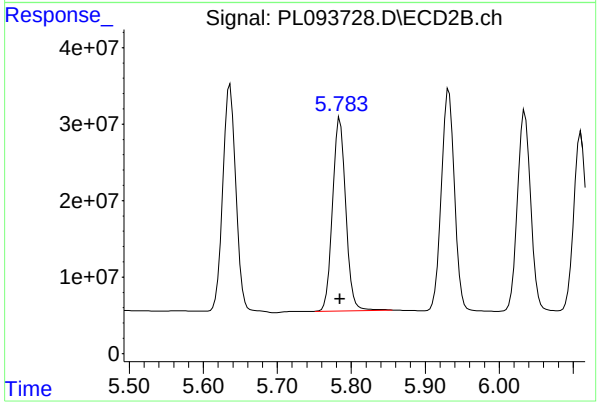
#15 Endosulfan II

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



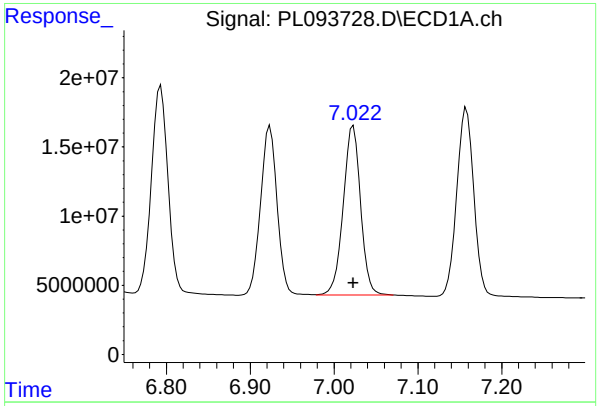
#16 4,4'-DDD

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



#16 4,4'-DDD

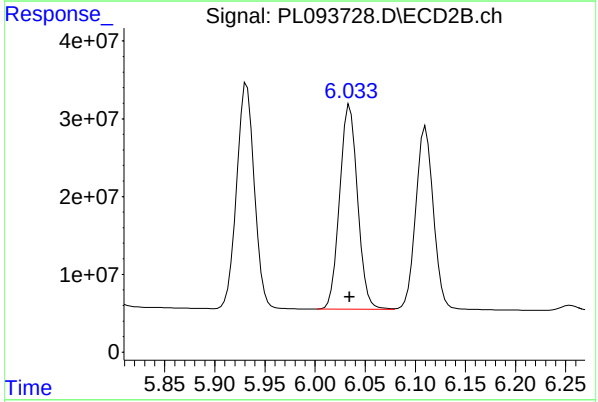
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

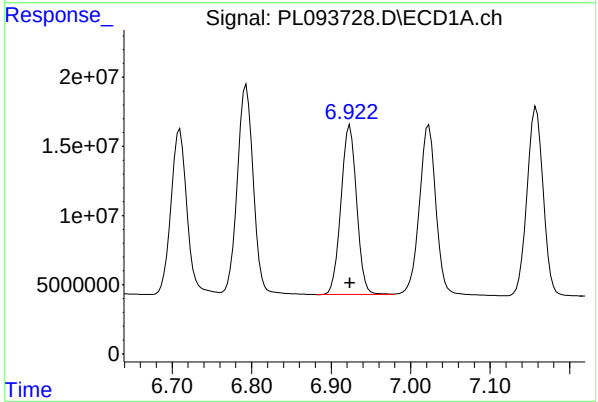
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



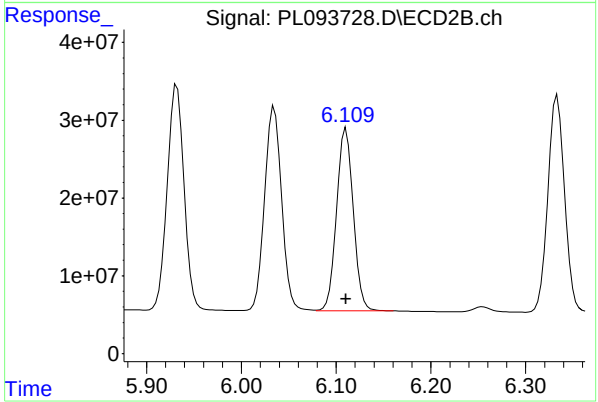
#17 4,4'-DDT

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



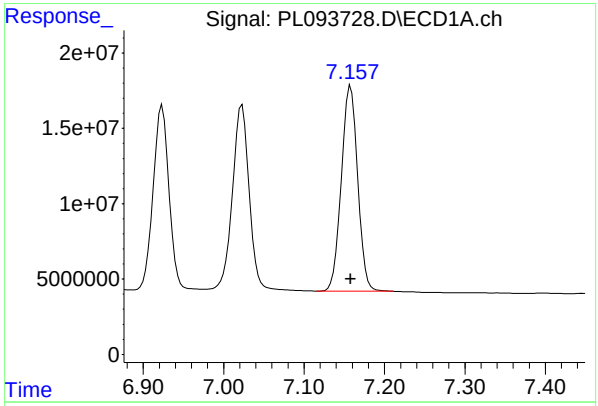
#18 Endrin aldehyde

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



#18 Endrin aldehyde

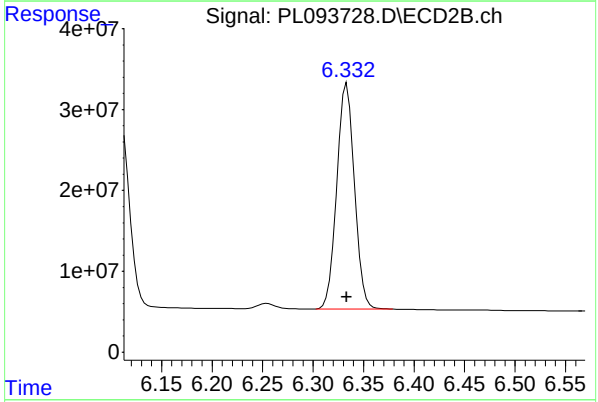
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

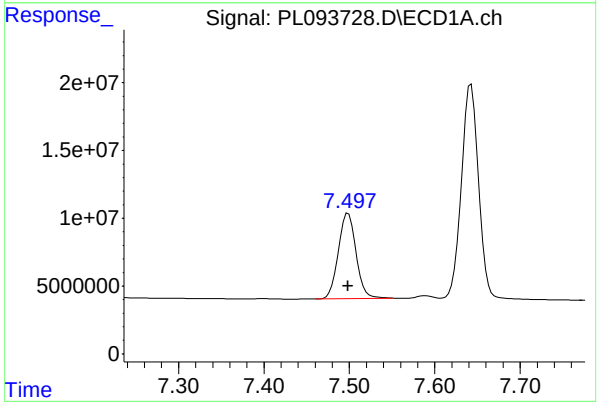
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



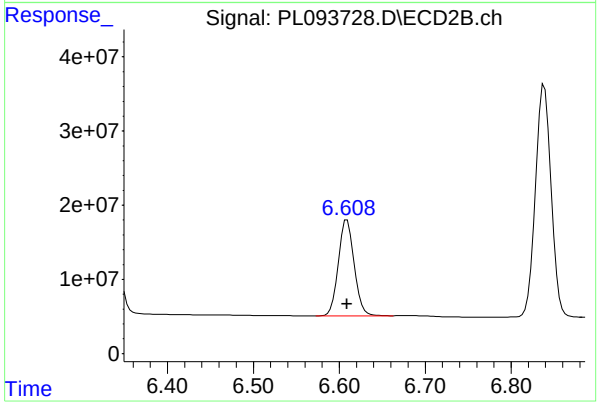
#19 Endosulfan Sulfate

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



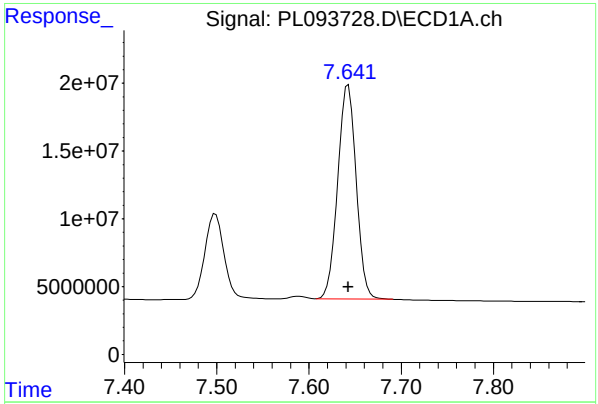
#20 Methoxychlor

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



#20 Methoxychlor

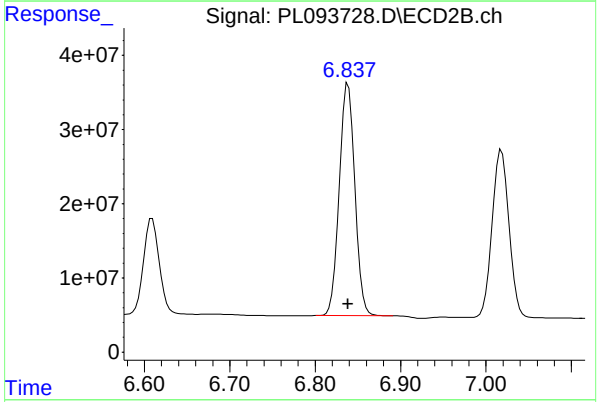
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

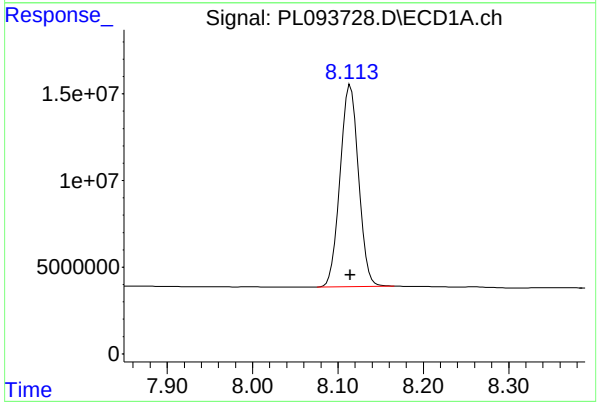
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



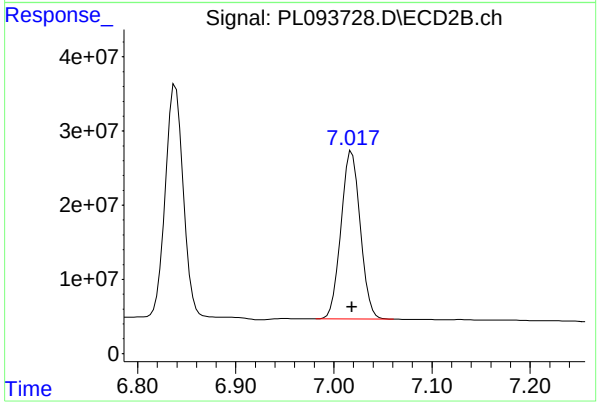
#21 Endrin ketone

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



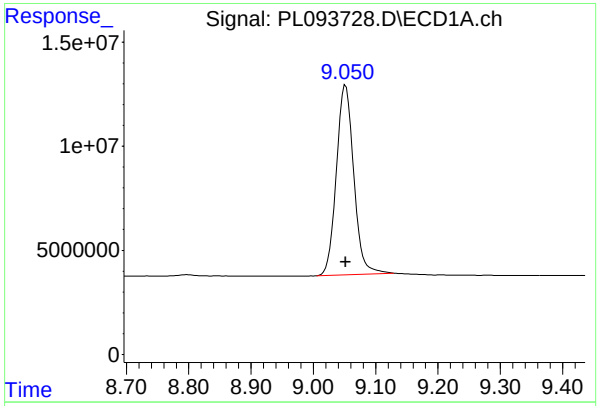
#22 Mirex

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



#22 Mirex

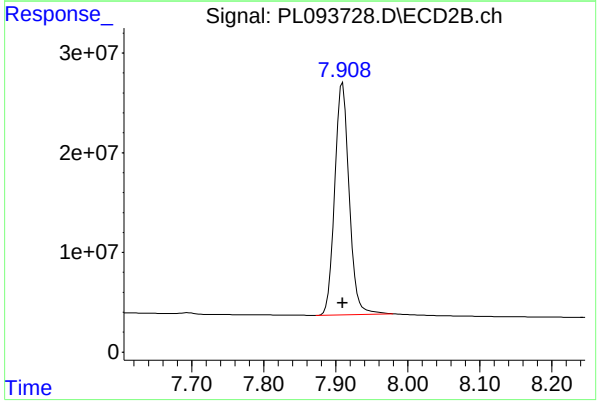
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 309908166
Conc: 94.31 ng/ml



#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)

ICAL Form

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.

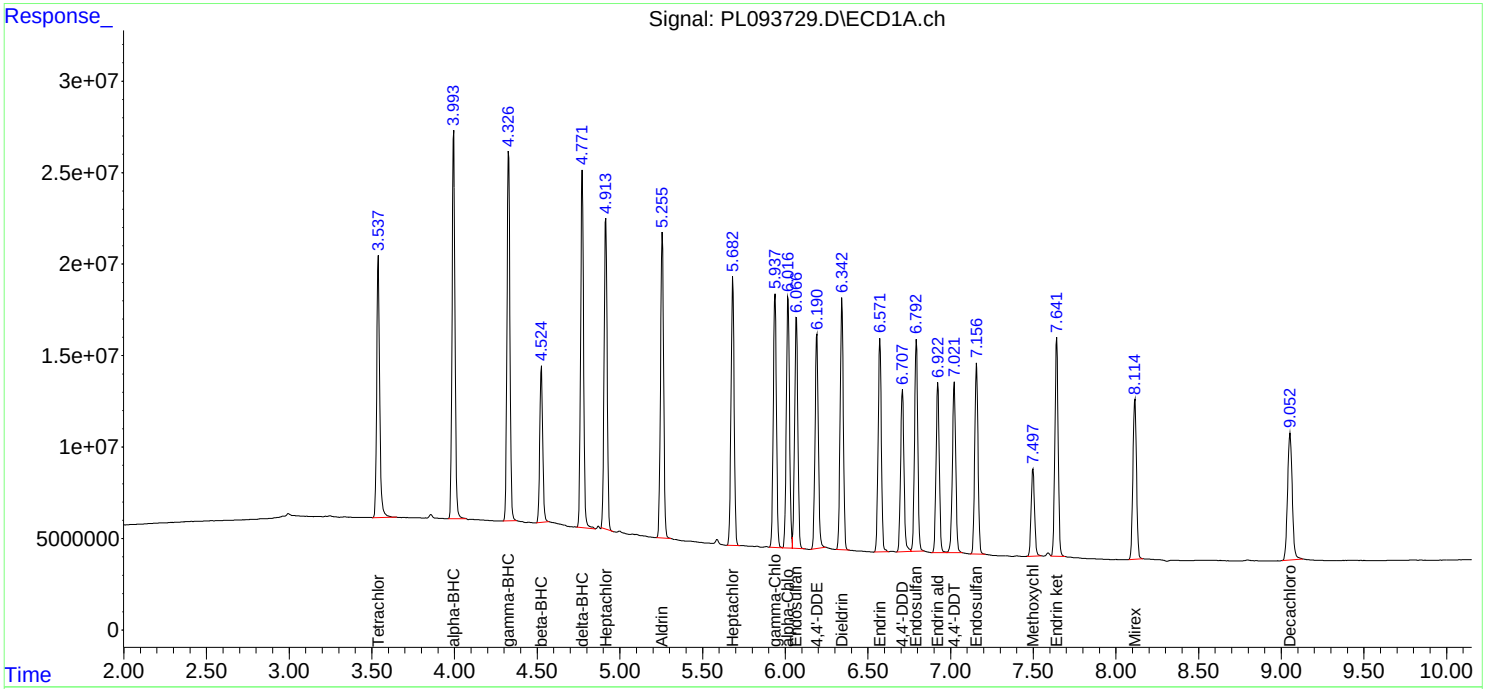
ICAL Form

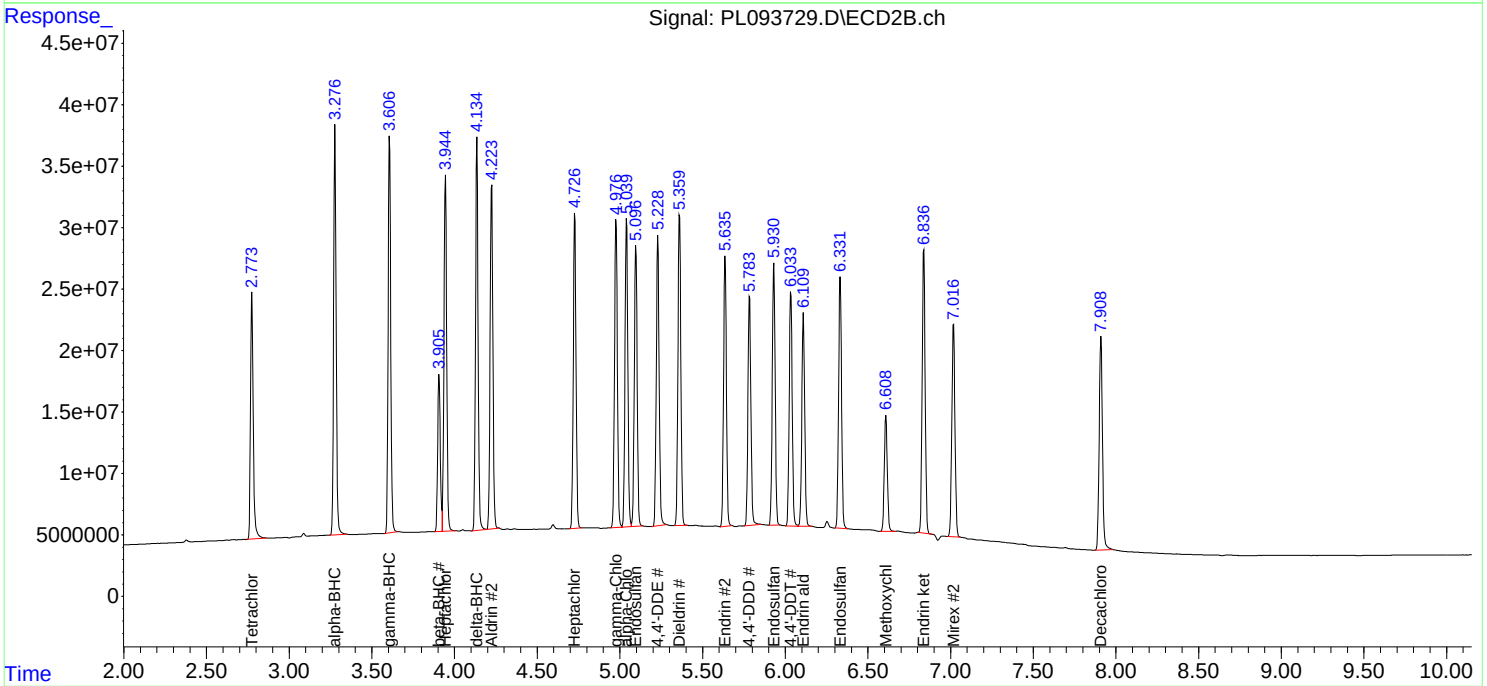
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

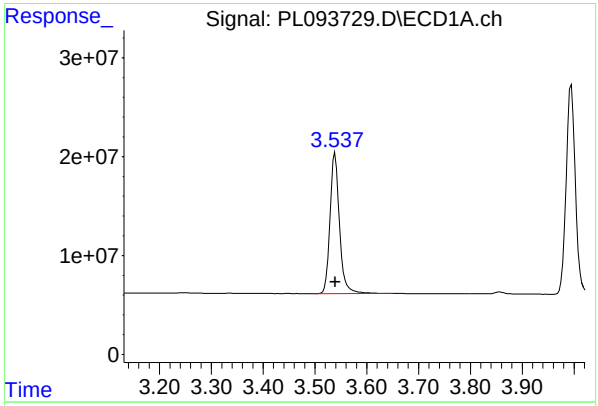
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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



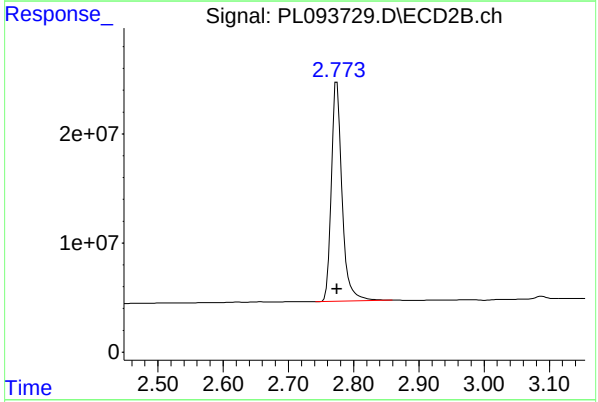




#1 Tetrachloro-m-xylene

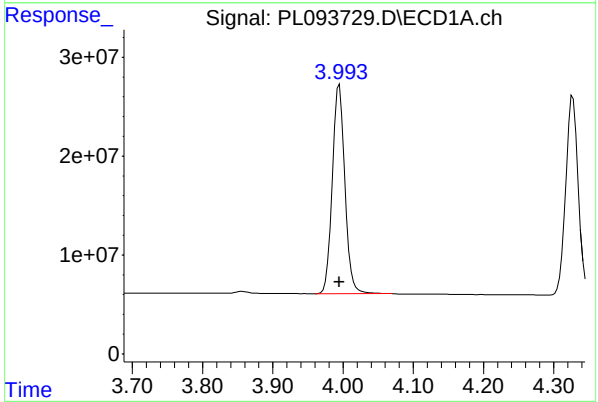
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



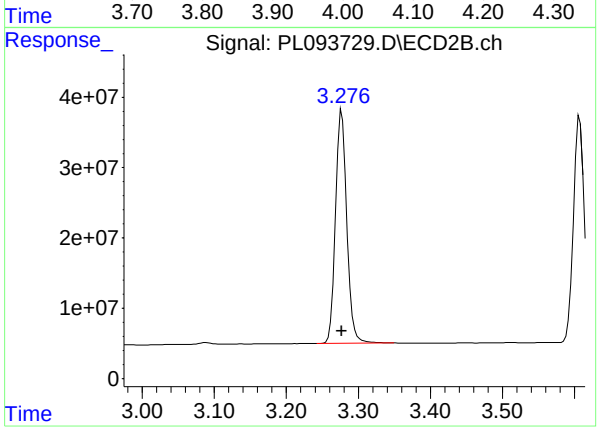
#1 Tetrachloro-m-xylene

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



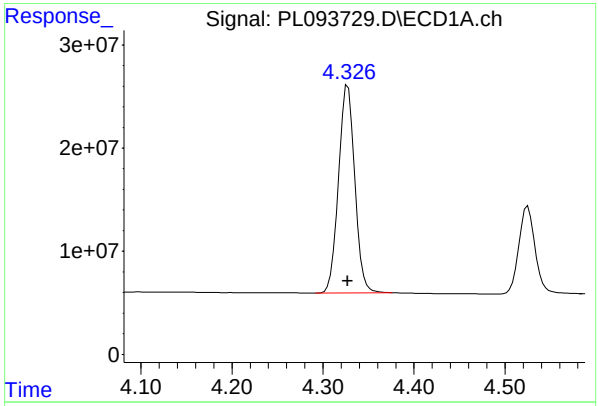
#2 alpha-BHC

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



#2 alpha-BHC

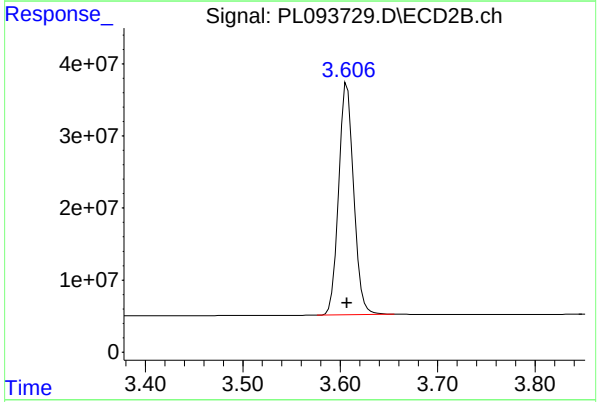
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

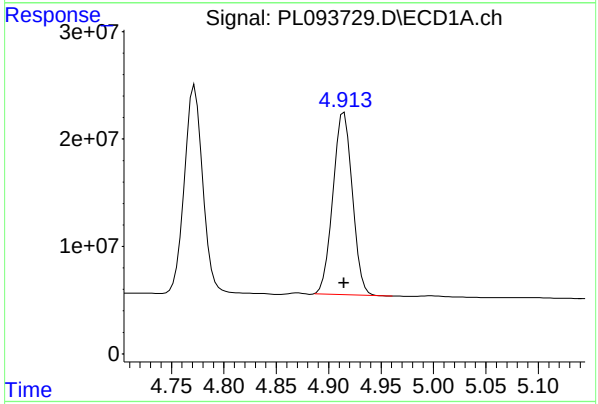
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



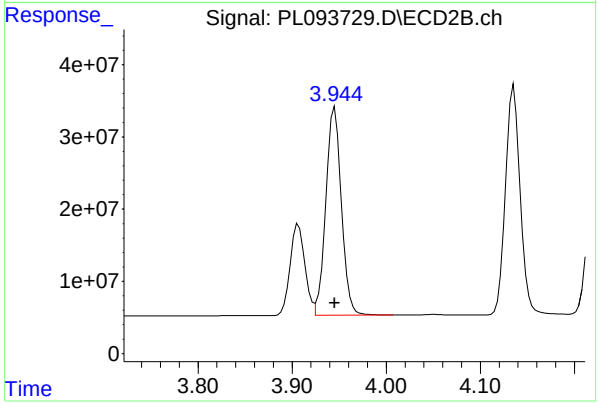
#3 gamma-BHC (Lindane)

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



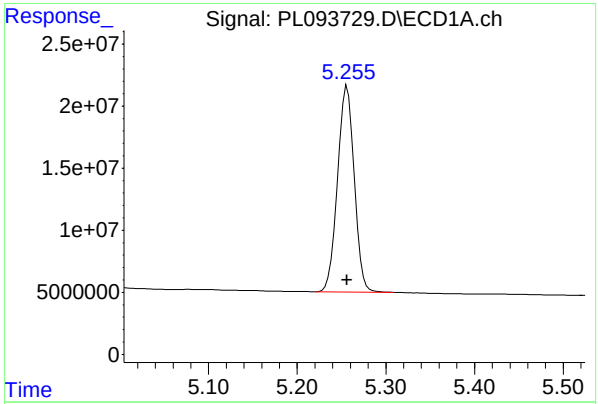
#4 Heptachlor

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



#4 Heptachlor

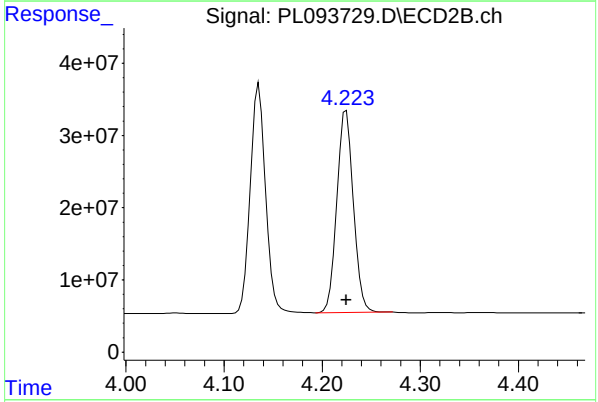
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

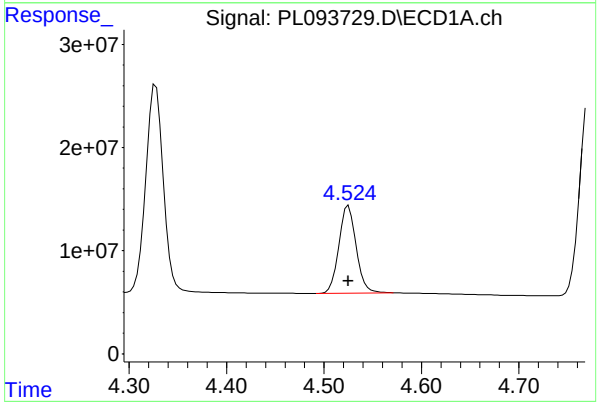
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



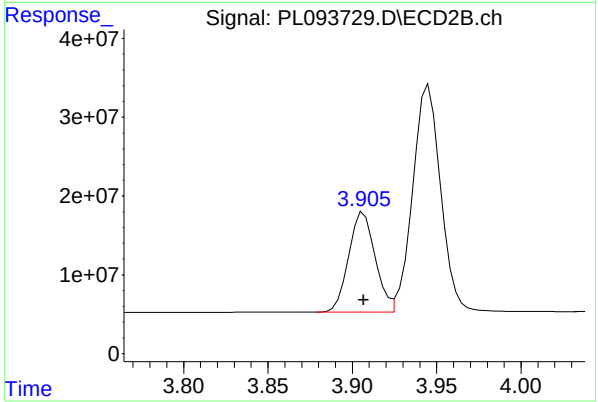
#5 Aldrin

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



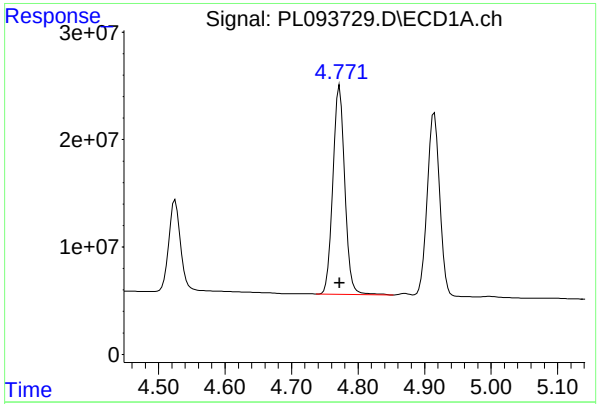
#6 beta-BHC

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



#6 beta-BHC

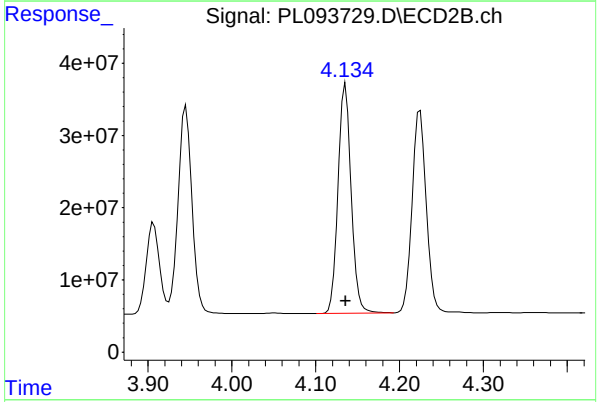
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

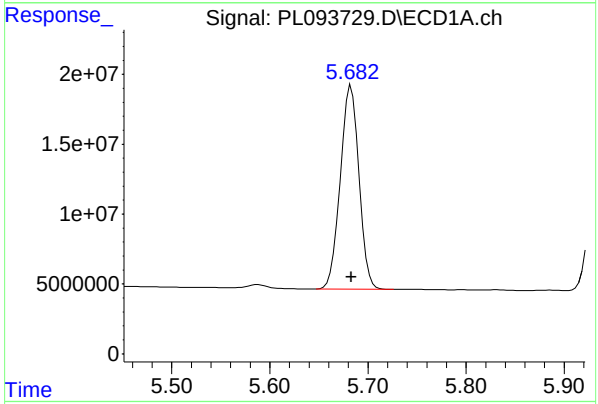
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



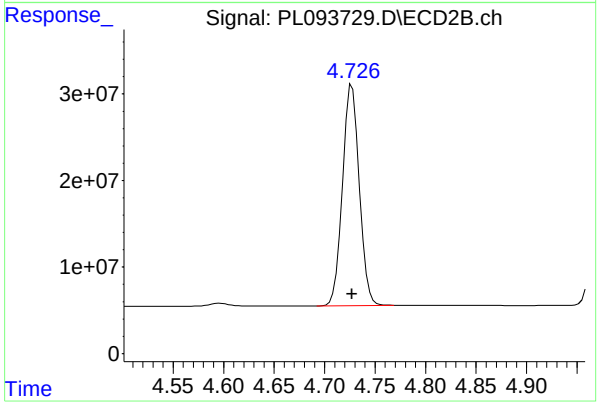
#7 delta-BHC

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



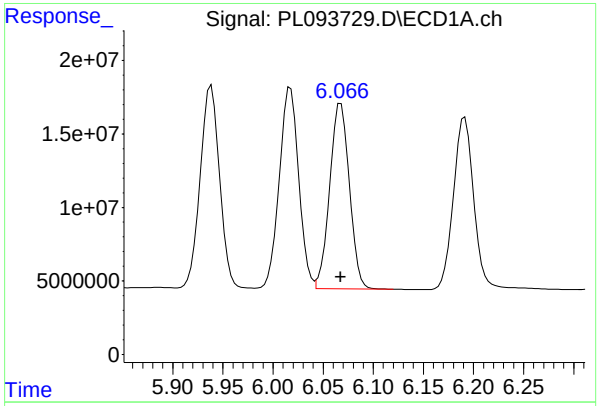
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

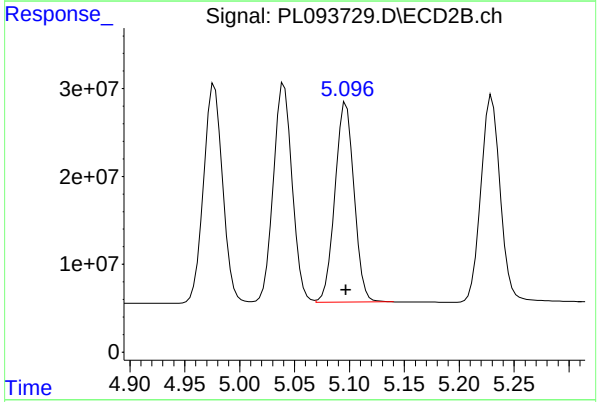
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

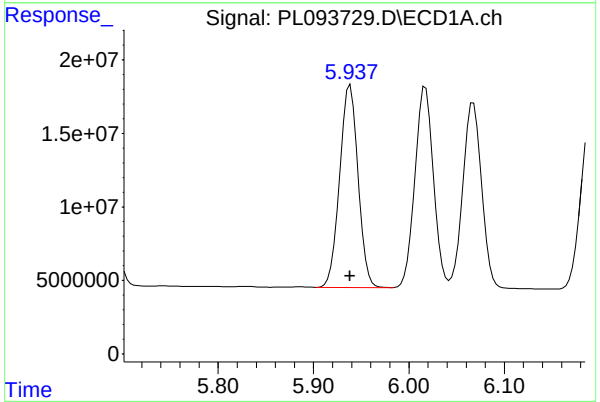
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



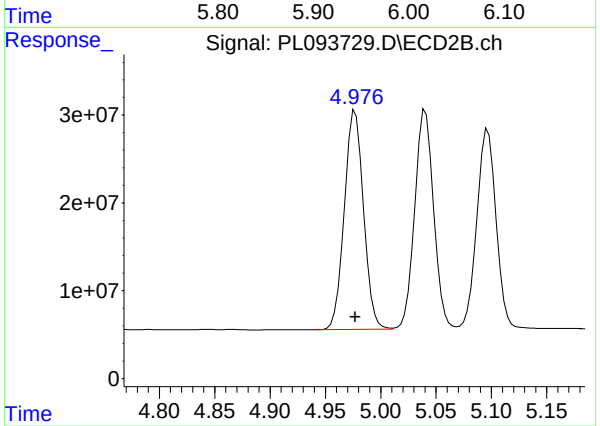
#9 Endosulfan I

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



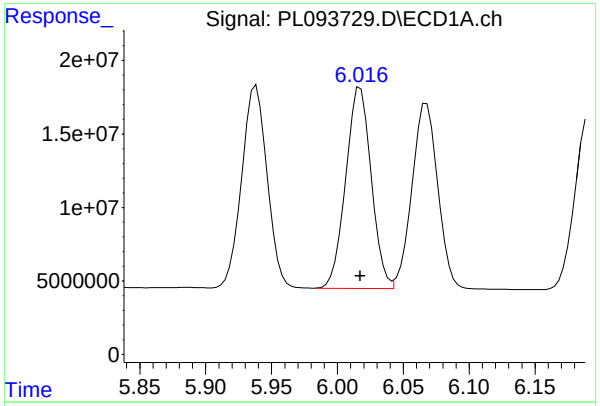
#10 gamma-Chlordane

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



#10 gamma-Chlordane

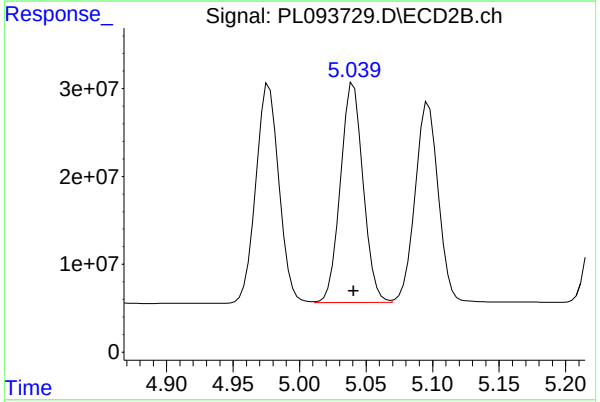
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

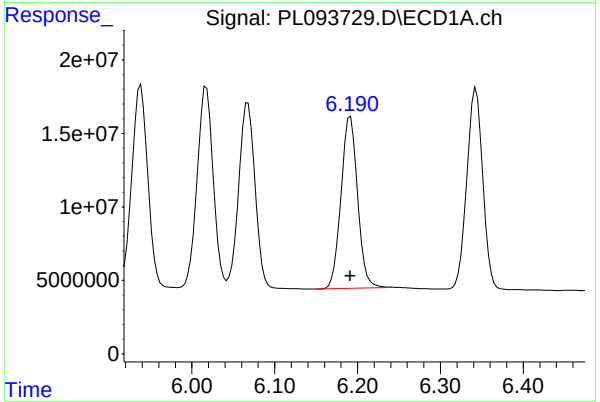
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



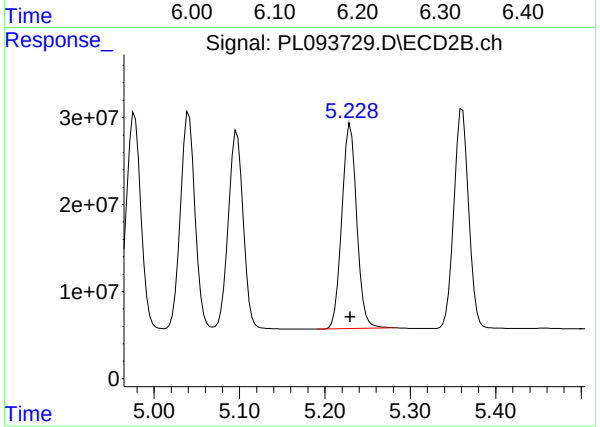
#11 alpha-Chlordane

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



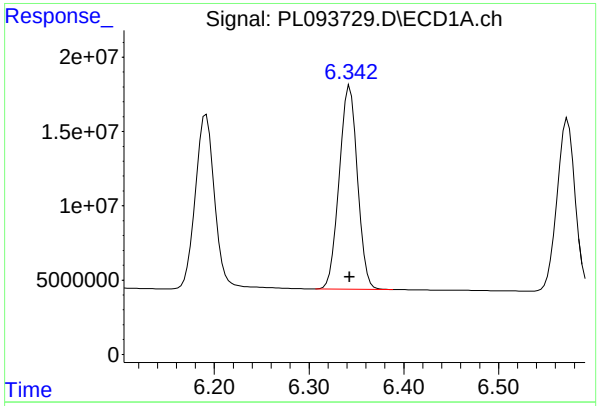
#12 4,4'-DDE

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



#12 4,4'-DDE

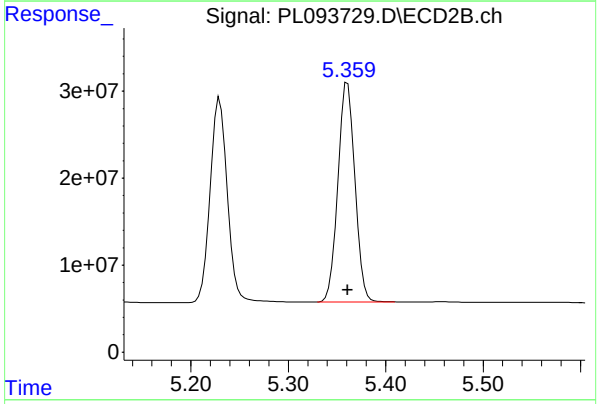
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

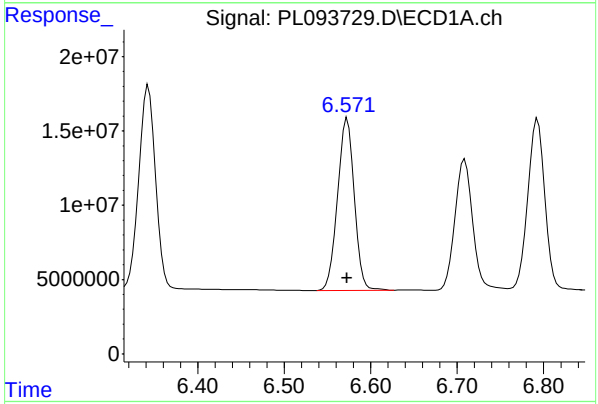
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



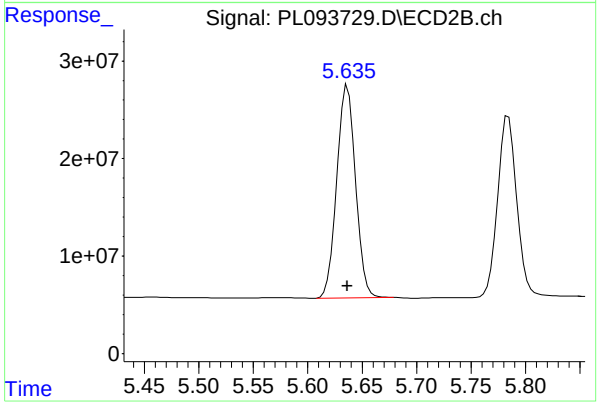
#13 Dieldrin

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



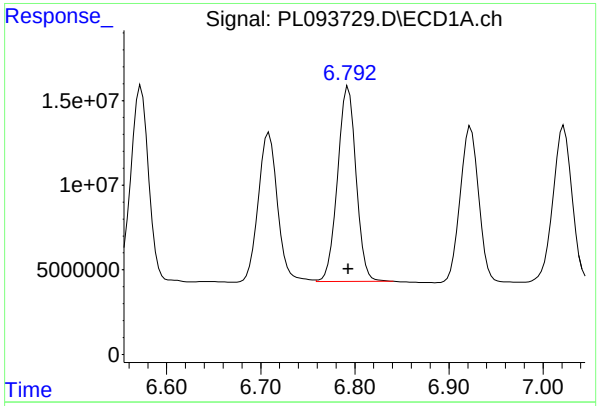
#14 Endrin

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



#14 Endrin

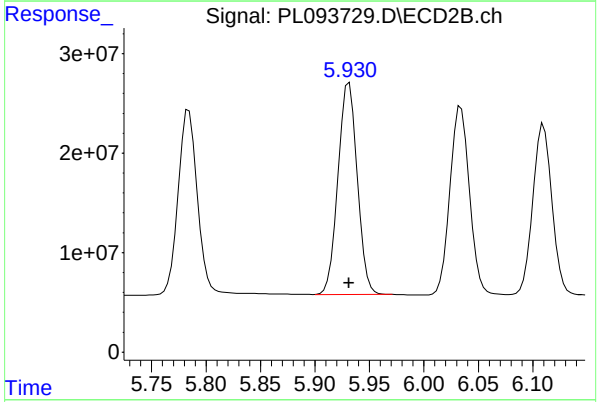
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

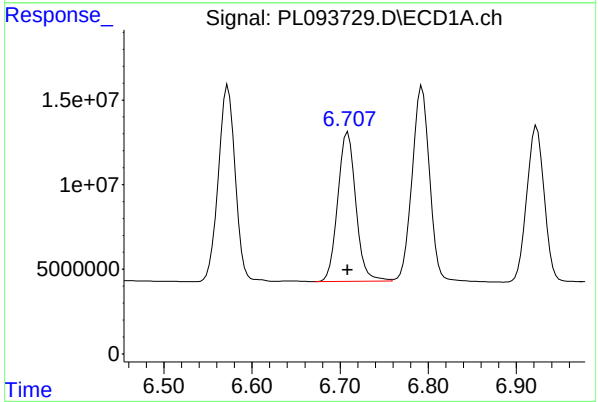
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



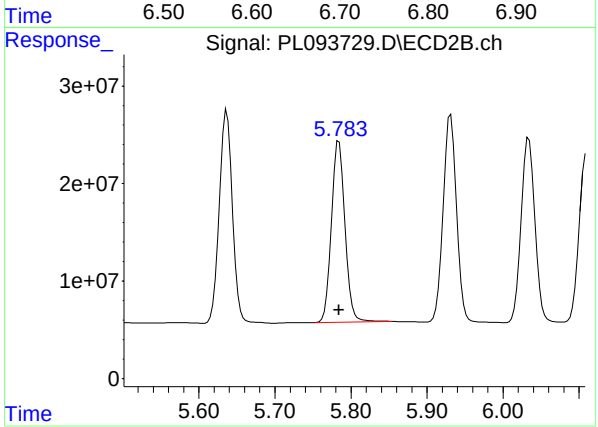
#15 Endosulfan II

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



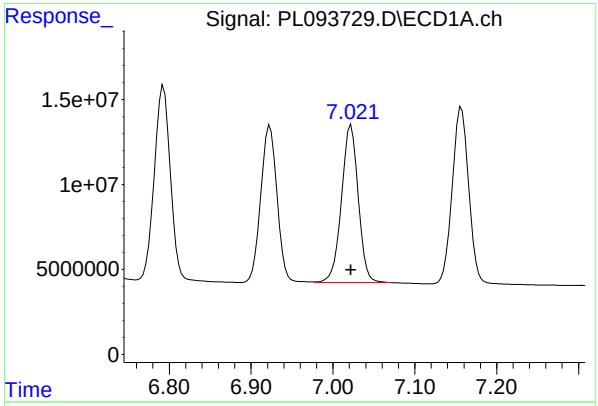
#16 4,4'-DDD

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



#16 4,4'-DDD

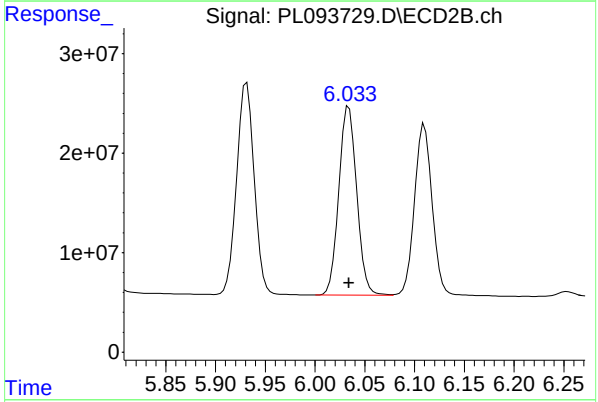
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

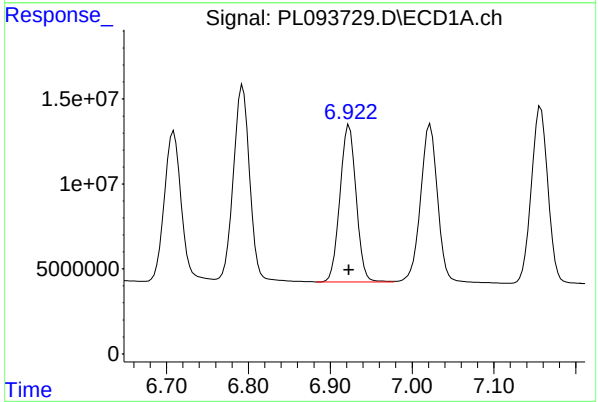
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



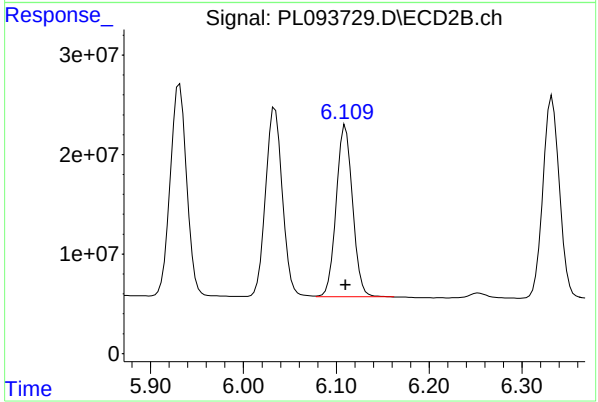
#17 4,4'-DDT

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



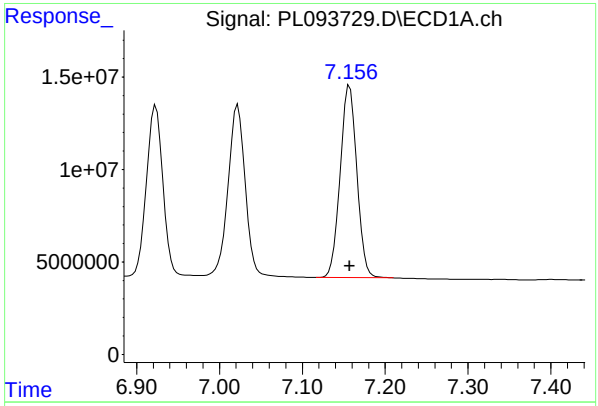
#18 Endrin aldehyde

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



#18 Endrin aldehyde

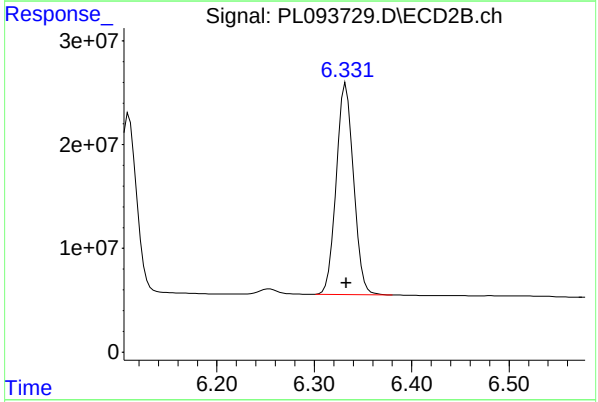
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

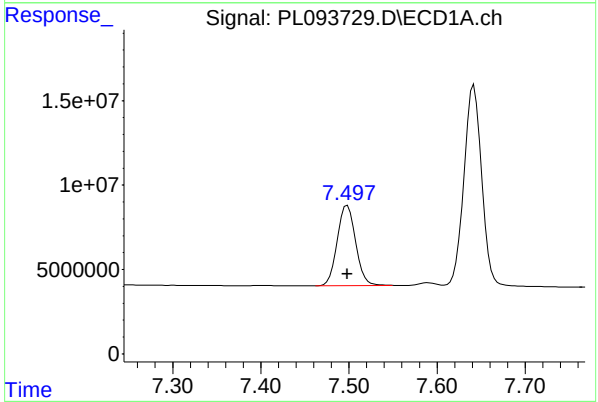
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



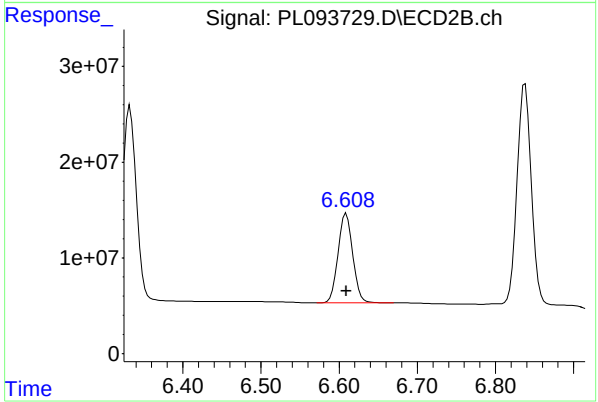
#19 Endosulfan Sulfate

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



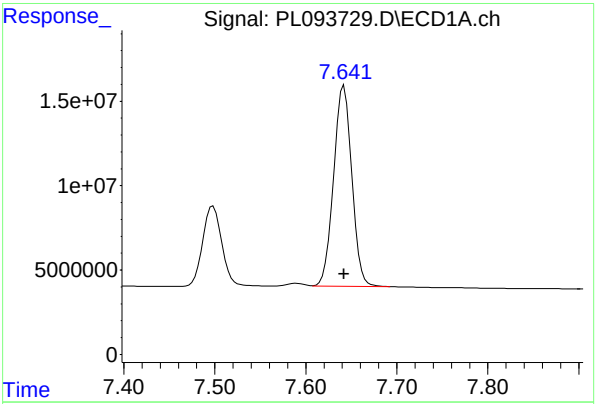
#20 Methoxychlor

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



#20 Methoxychlor

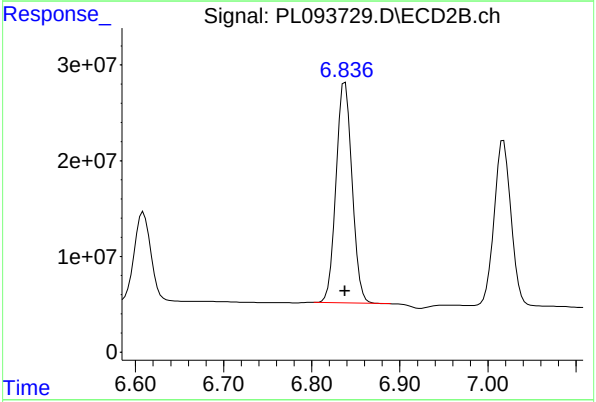
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

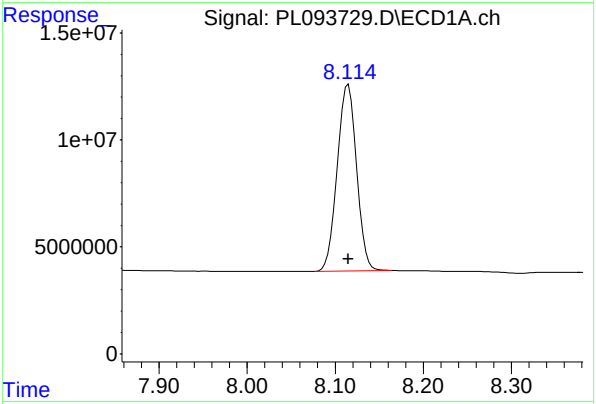
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



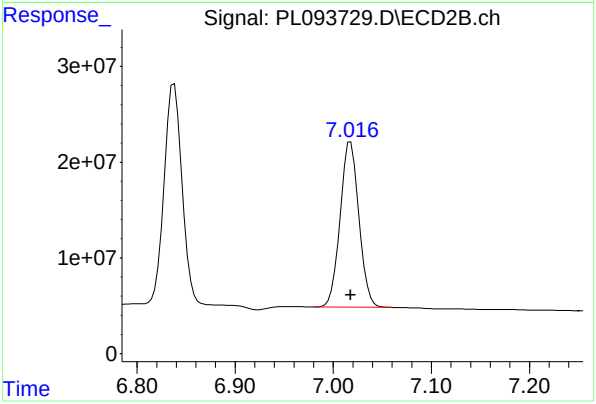
#21 Endrin ketone

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



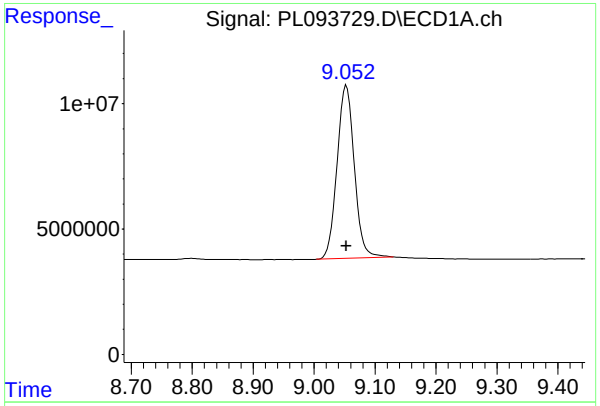
#22 Mirex

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



#22 Mirex

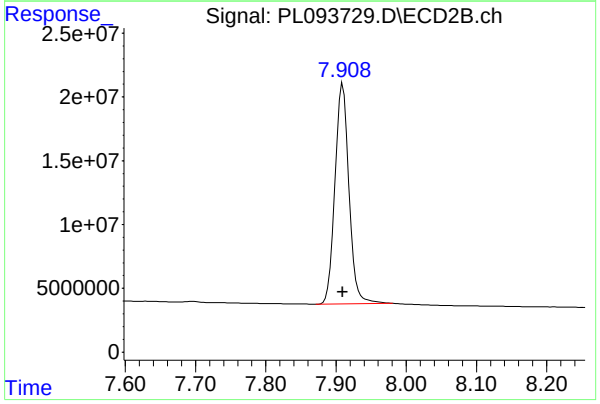
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 229698971
Conc: 71.52 ng/ml



#28 Decachlorobiphenyl

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

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)

ICAL Form

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.

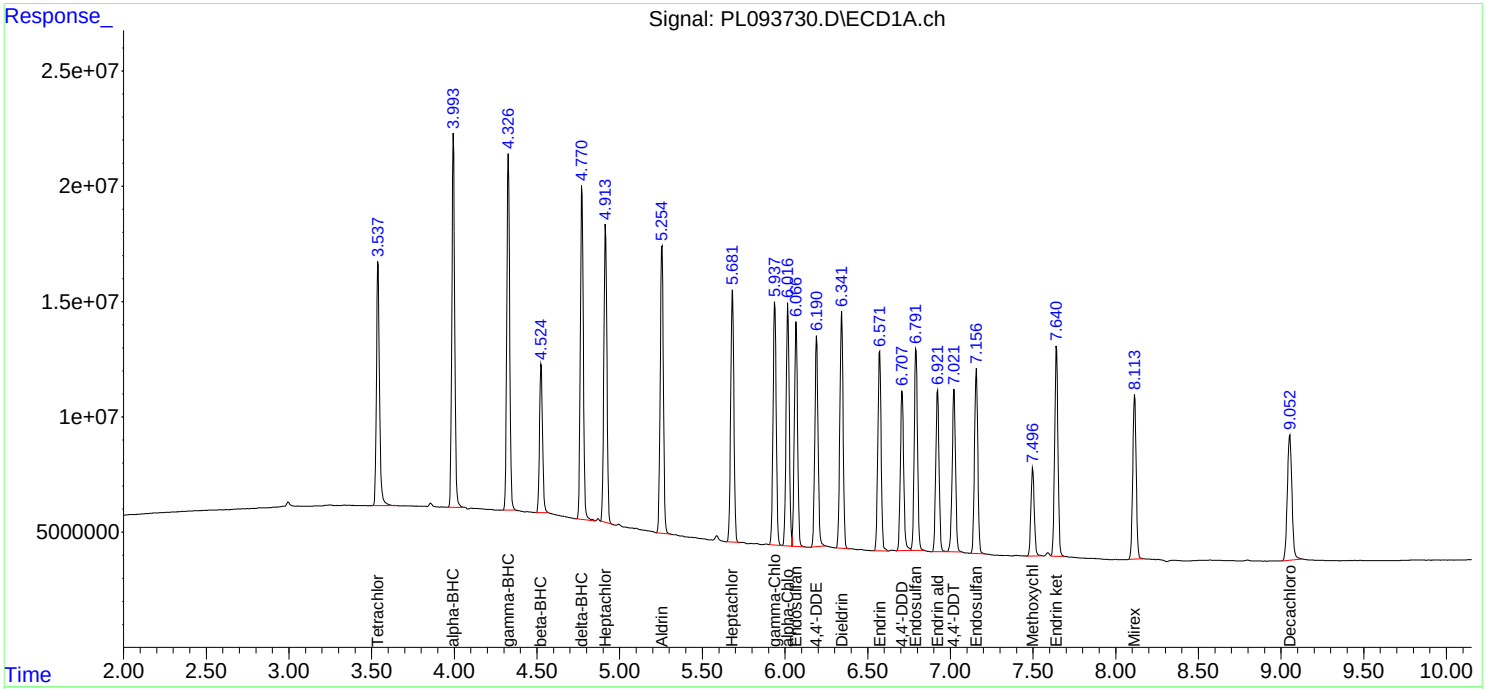
ICAL Form

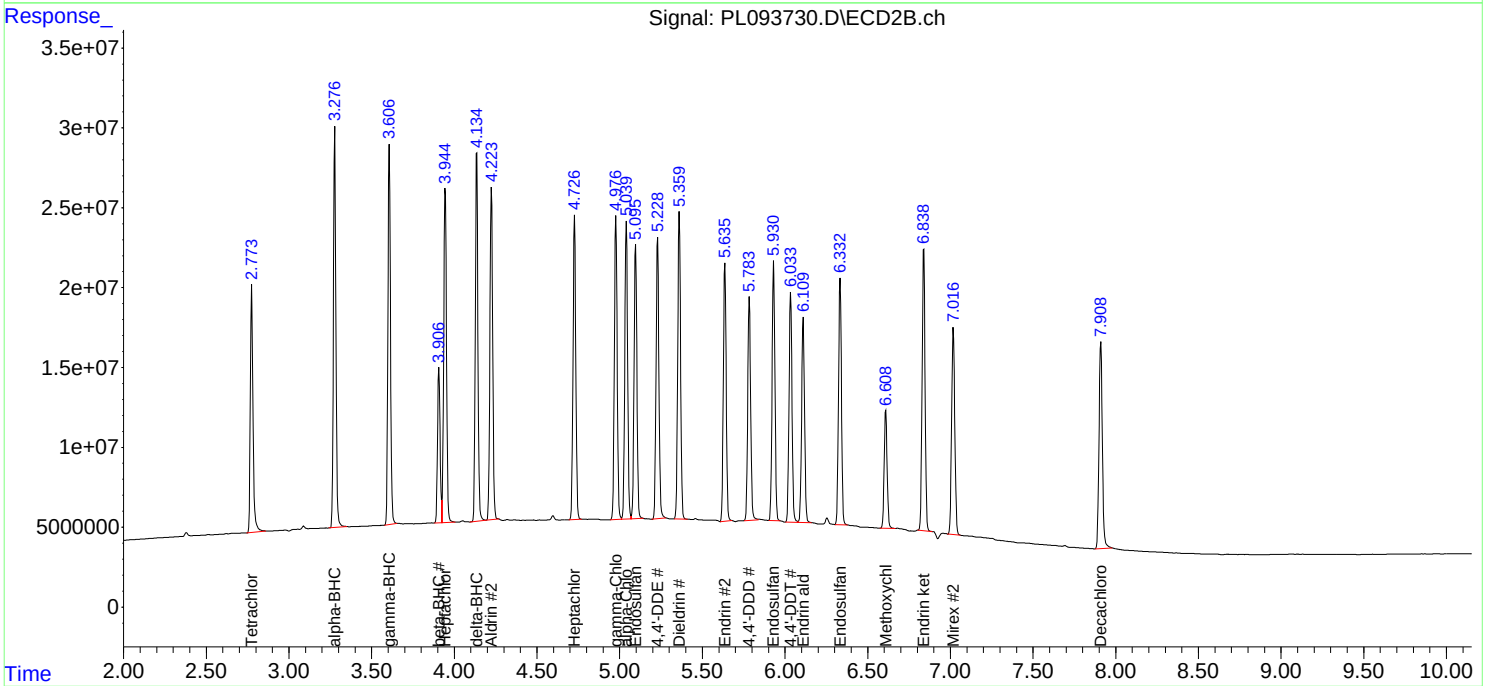
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

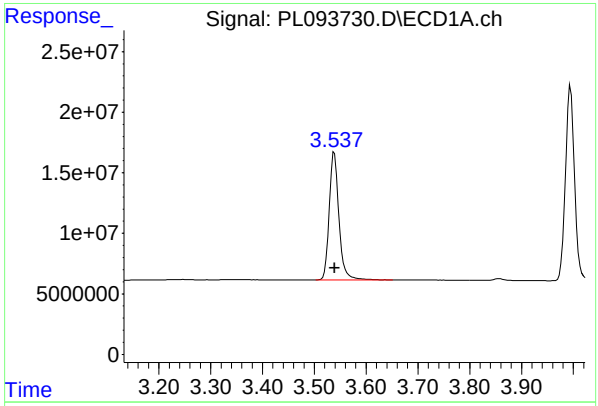
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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



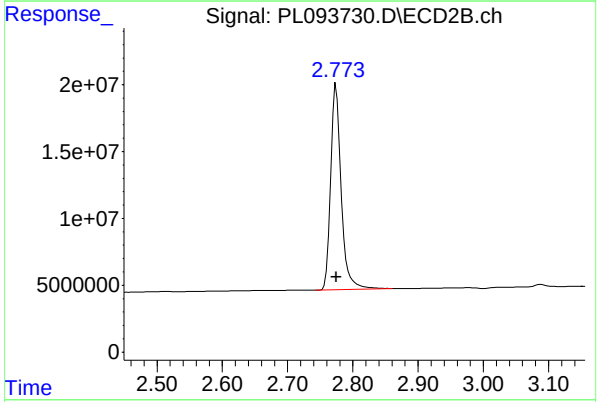




#1 Tetrachloro-m-xylene

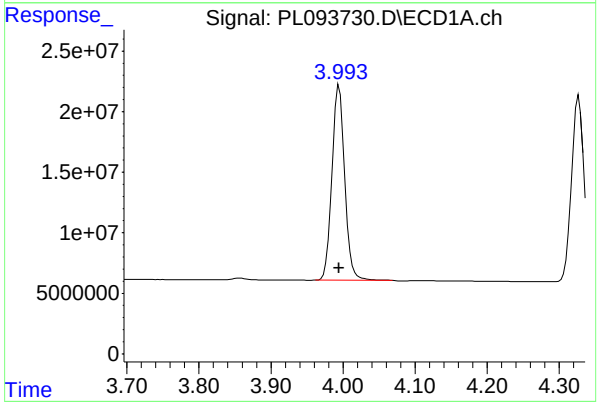
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



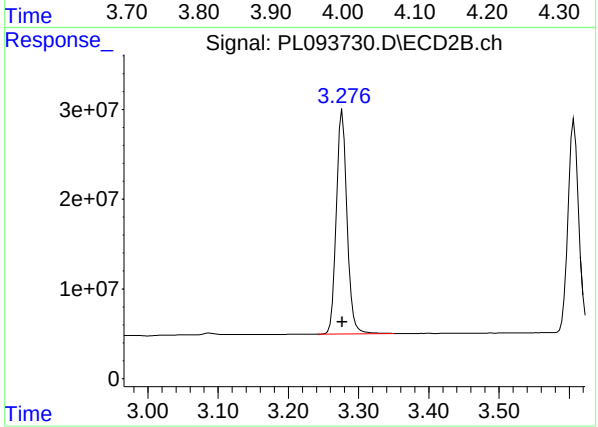
#1 Tetrachloro-m-xylene

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



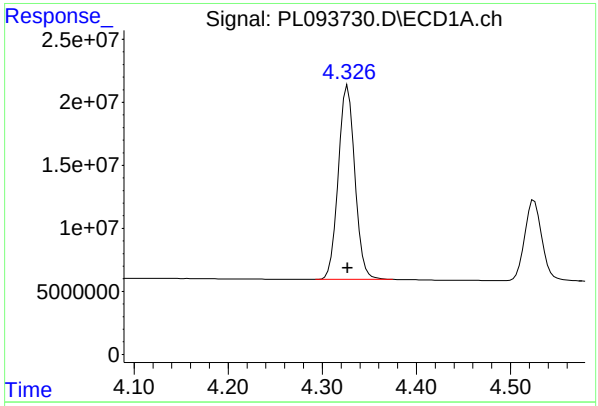
#2 alpha-BHC

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



#2 alpha-BHC

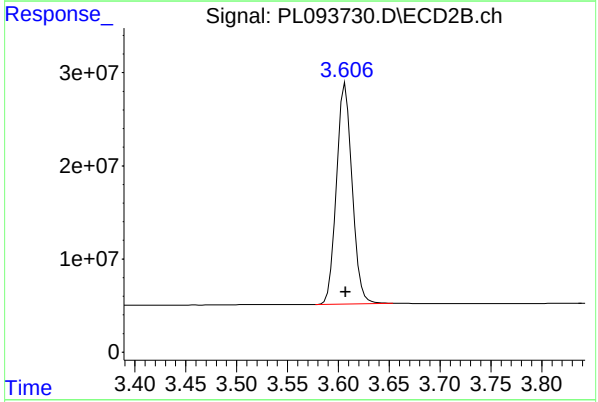
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

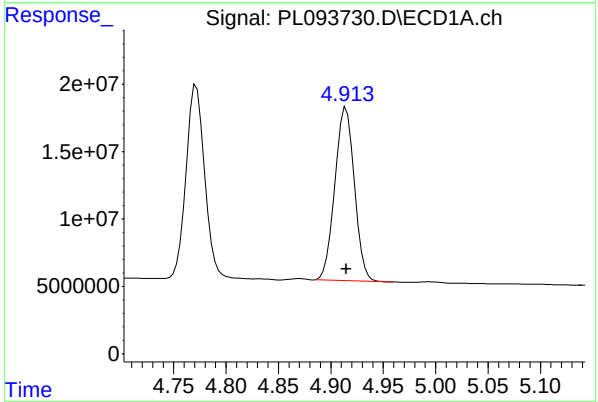
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



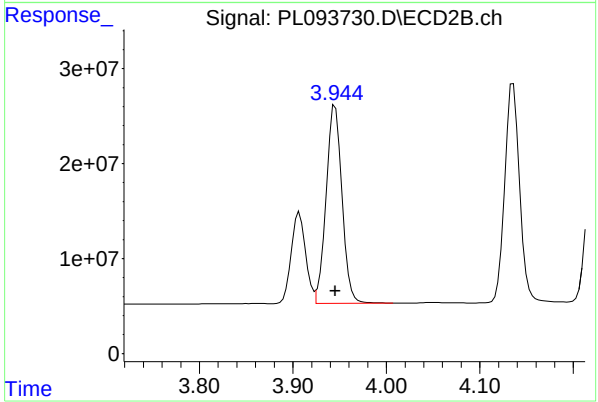
#3 gamma-BHC (Lindane)

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



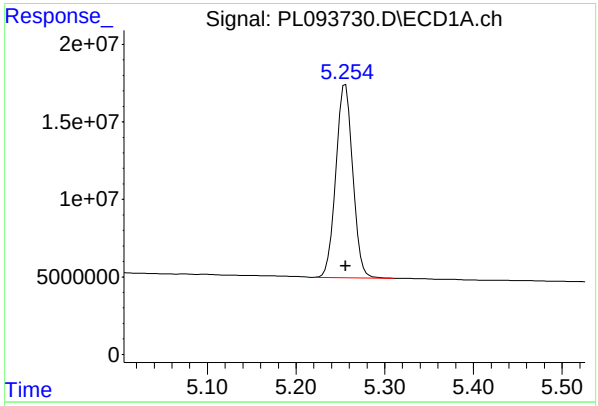
#4 Heptachlor

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



#4 Heptachlor

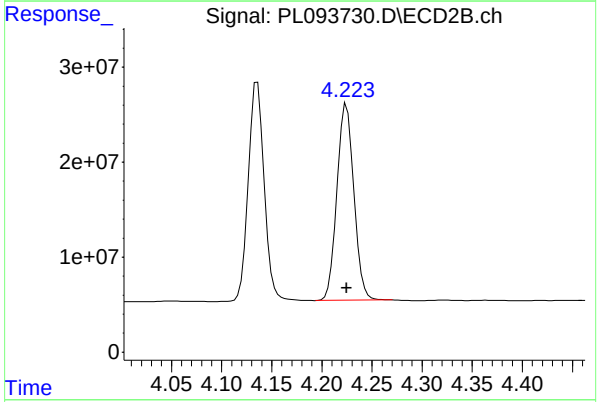
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

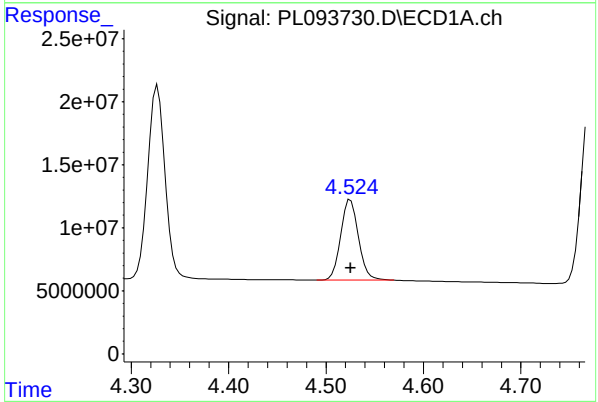
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



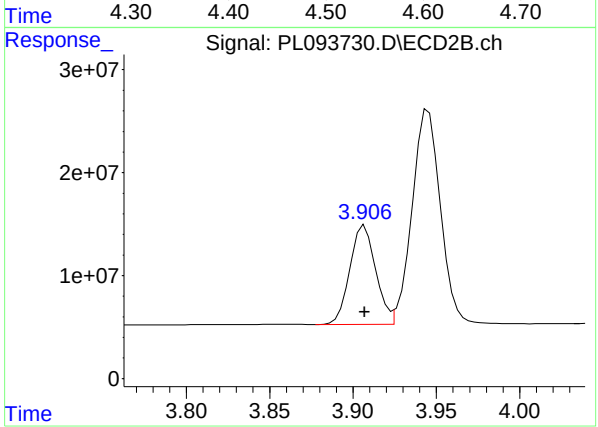
#5 Aldrin

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



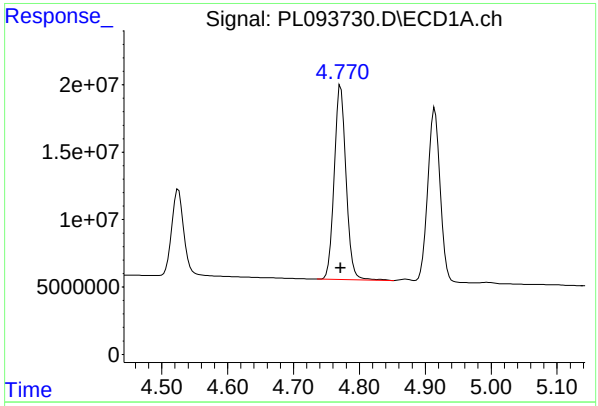
#6 beta-BHC

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



#6 beta-BHC

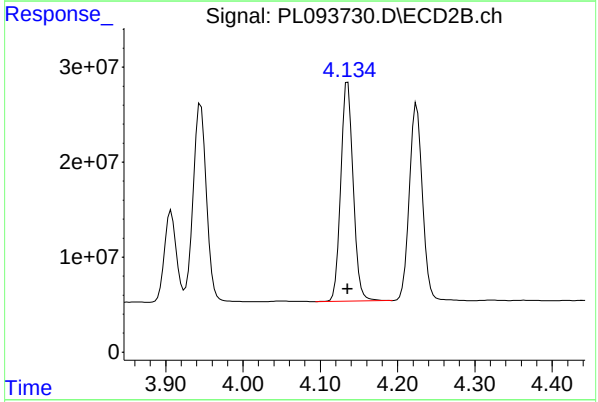
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

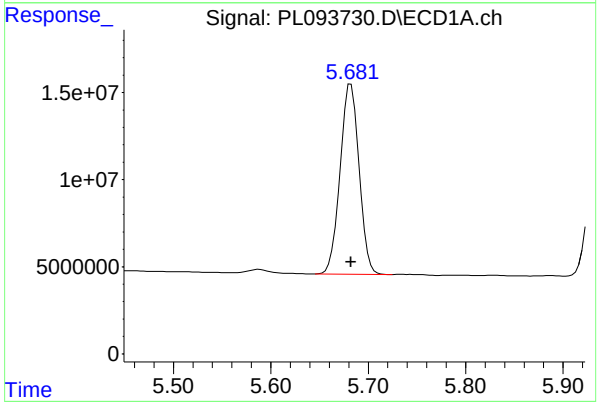
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



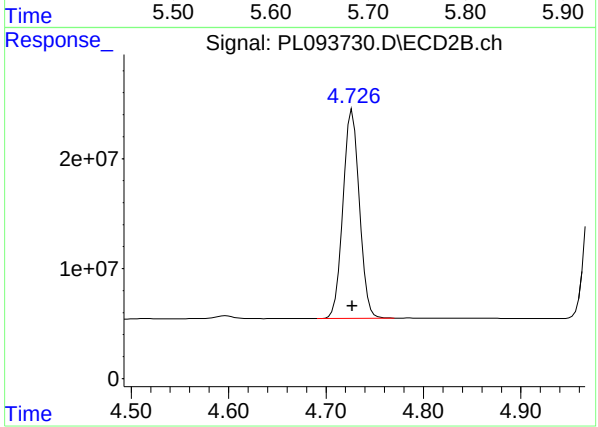
#7 delta-BHC

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



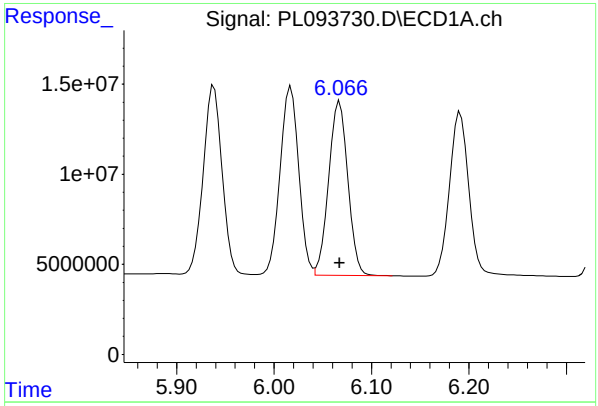
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

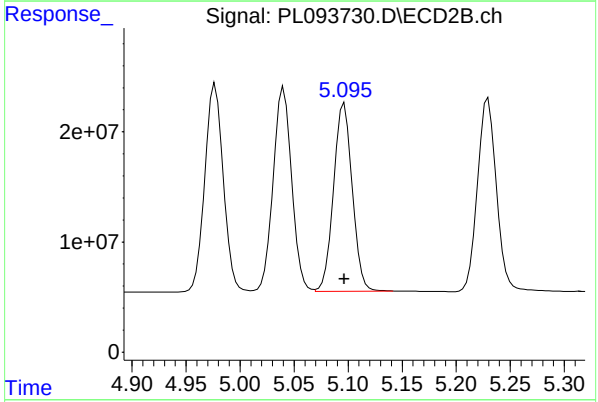
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

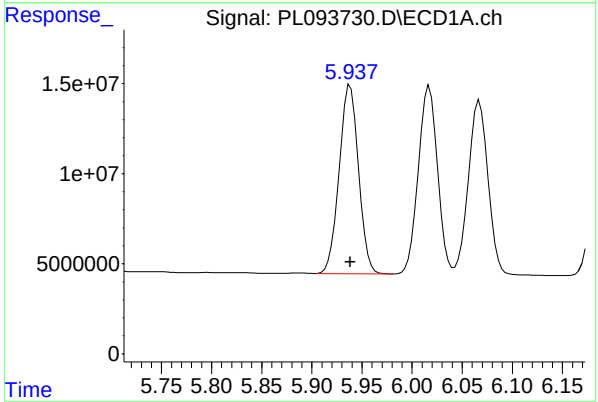
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



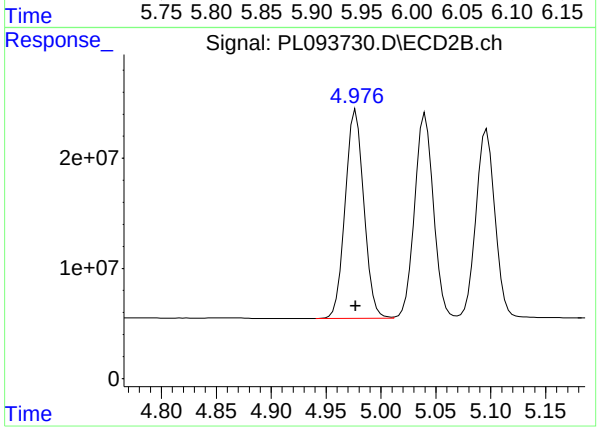
#9 Endosulfan I

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



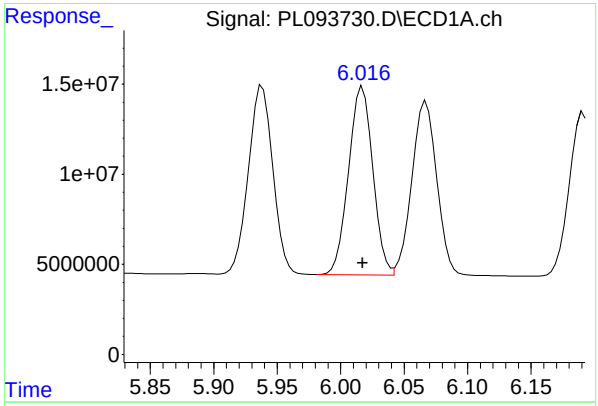
#10 gamma-Chlordane

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



#10 gamma-Chlordane

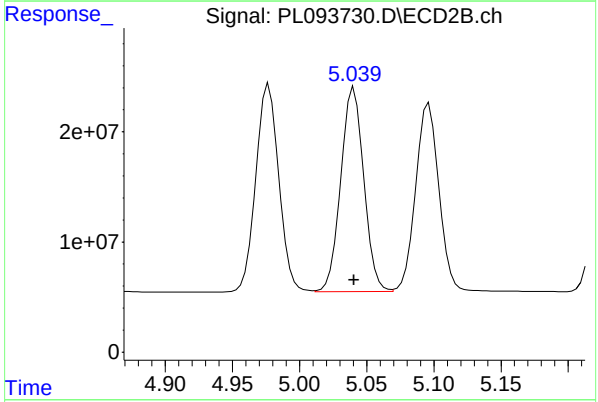
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

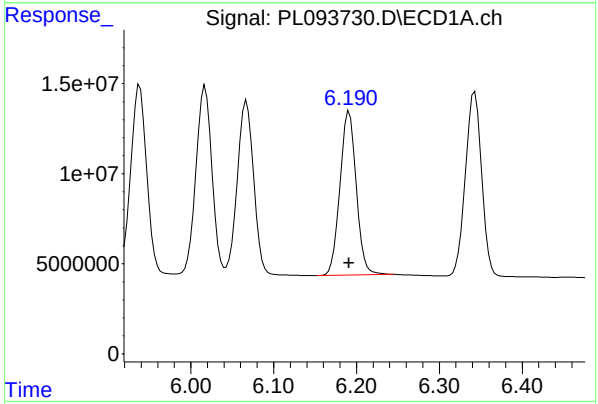
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



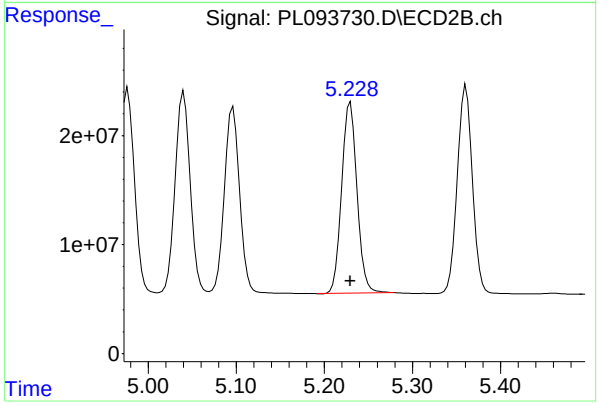
#11 alpha-Chlordane

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



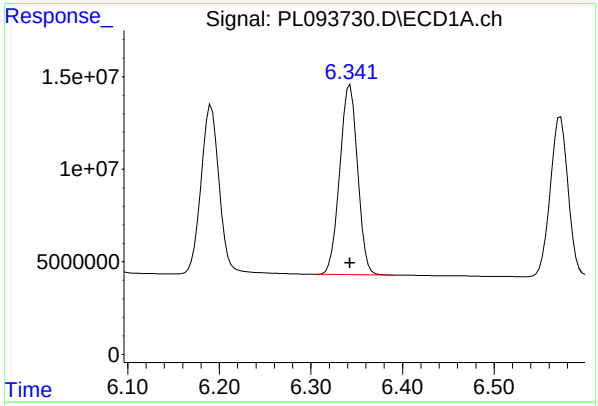
#12 4,4'-DDE

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



#12 4,4'-DDE

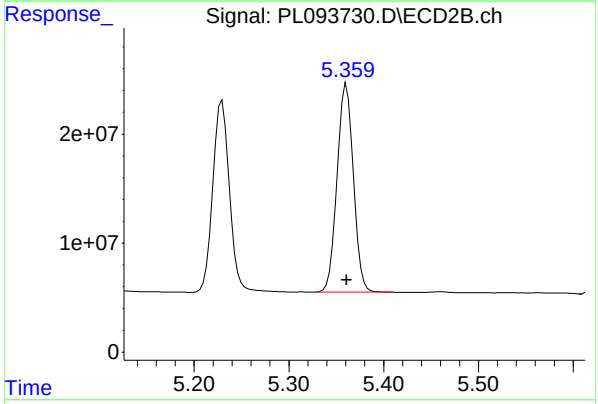
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

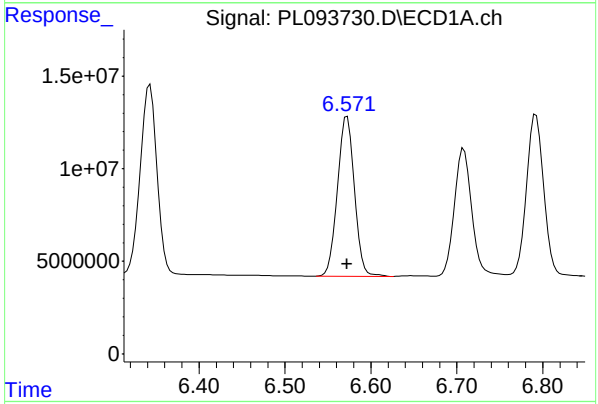
R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 139409444
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



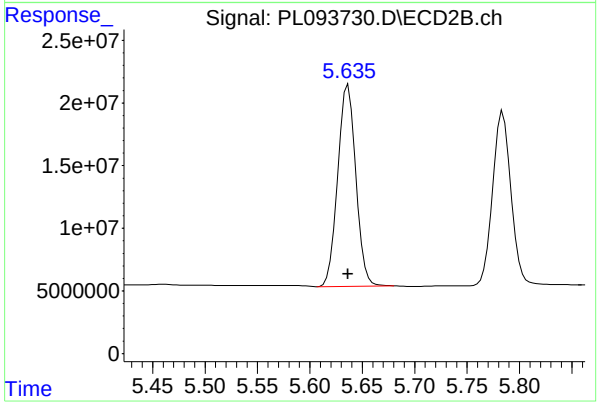
#13 Dieldrin

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



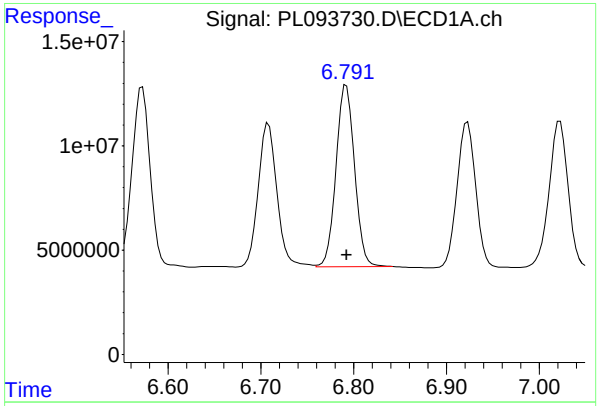
#14 Endrin

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



#14 Endrin

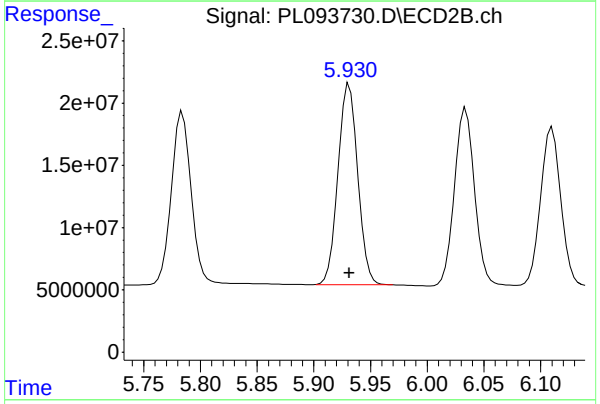
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

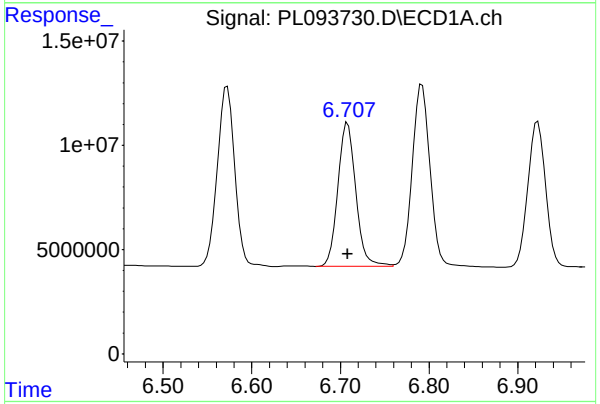
R.T.: 6.792 min
Delta R.T.: 0.000 mi
Response: 120697329
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



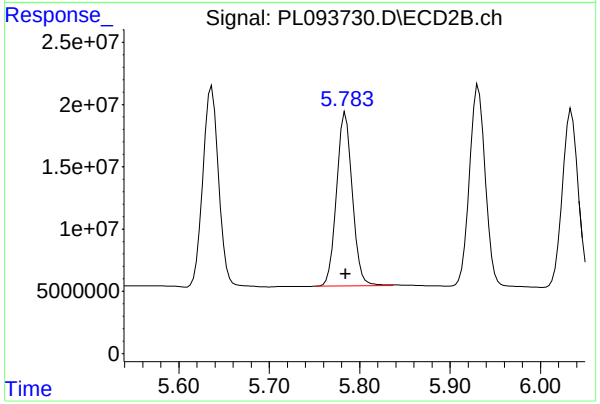
#15 Endosulfan II

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



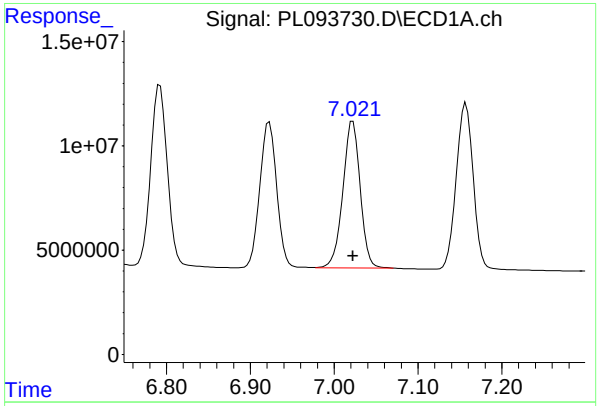
#16 4,4'-DDD

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



#16 4,4'-DDD

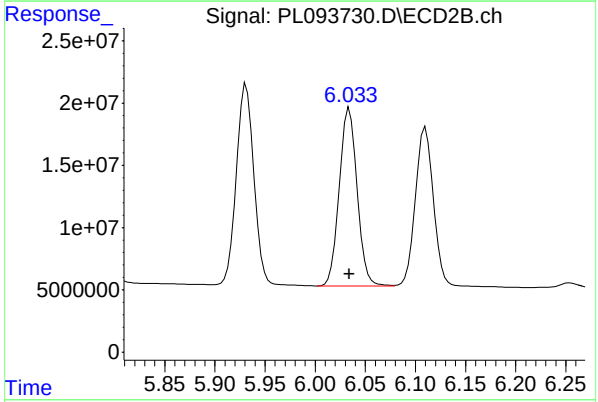
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

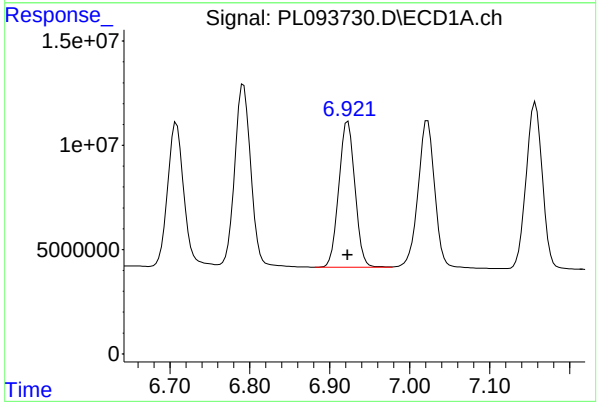
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



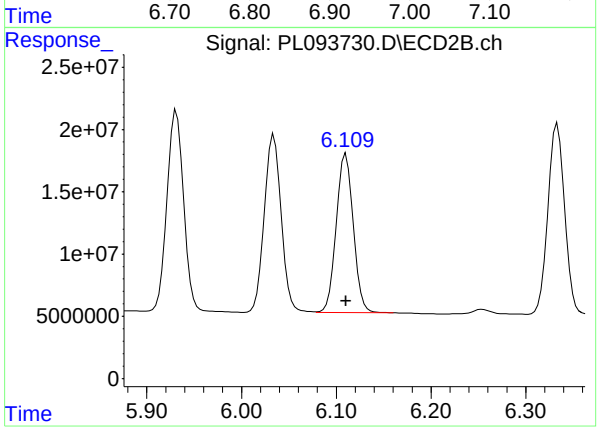
#17 4,4'-DDT

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



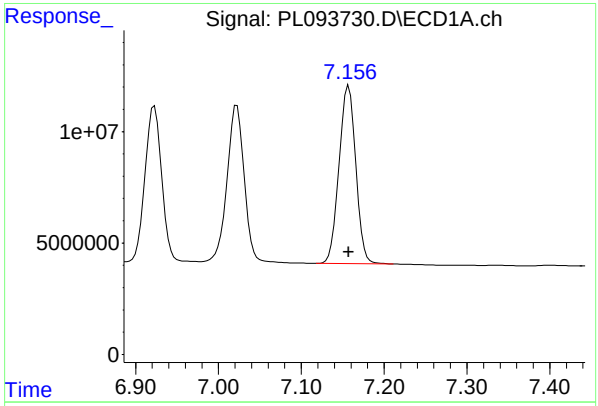
#18 Endrin aldehyde

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



#18 Endrin aldehyde

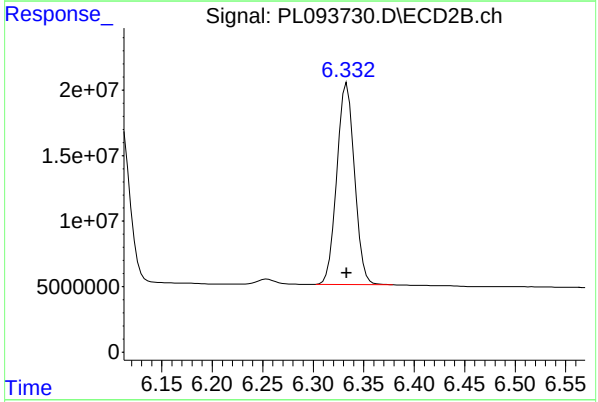
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

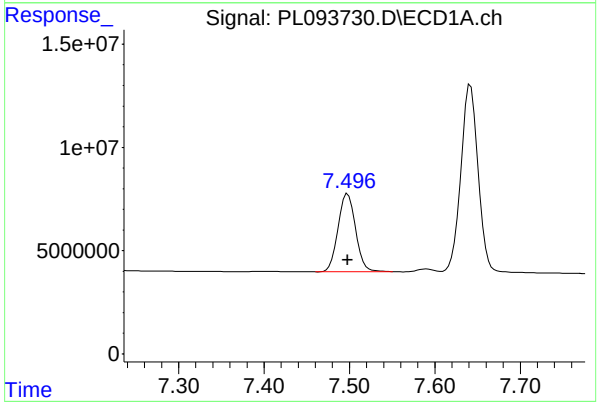
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



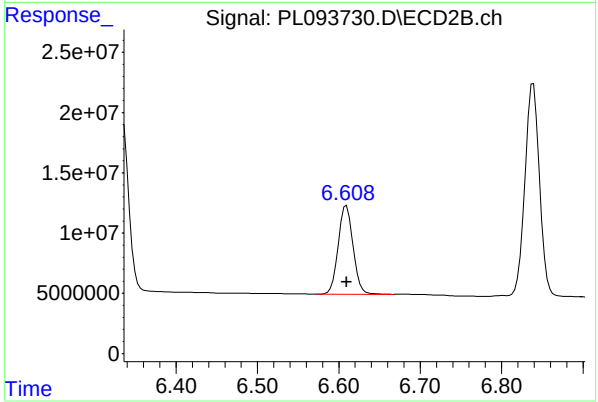
#19 Endosulfan Sulfate

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



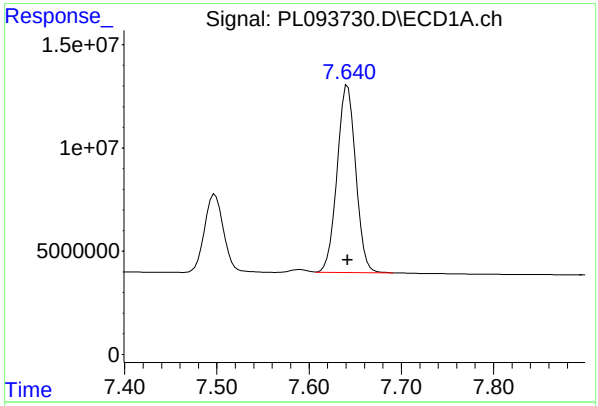
#20 Methoxychlor

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



#20 Methoxychlor

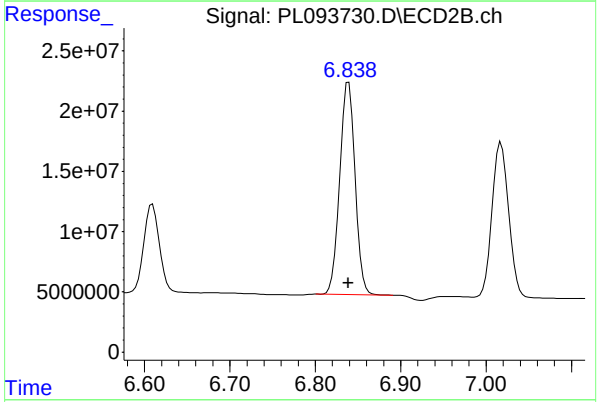
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

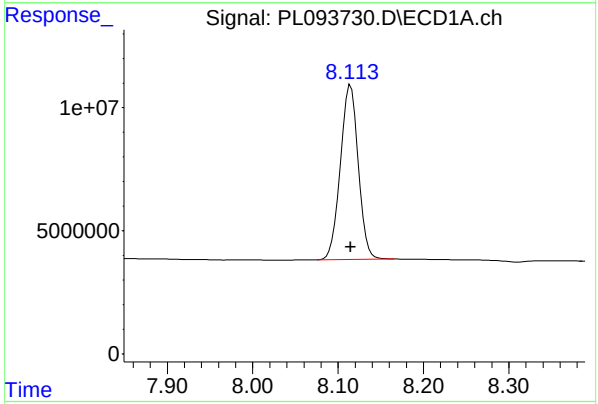
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



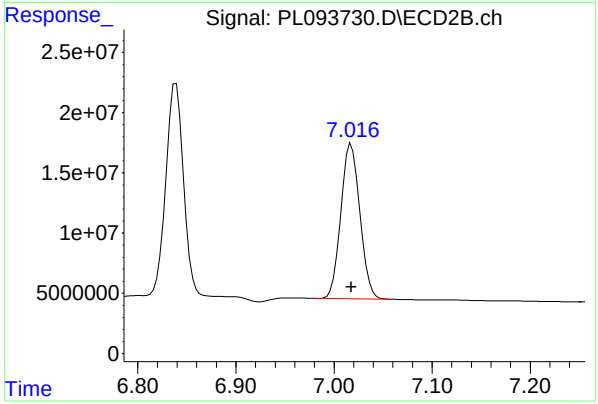
#21 Endrin ketone

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



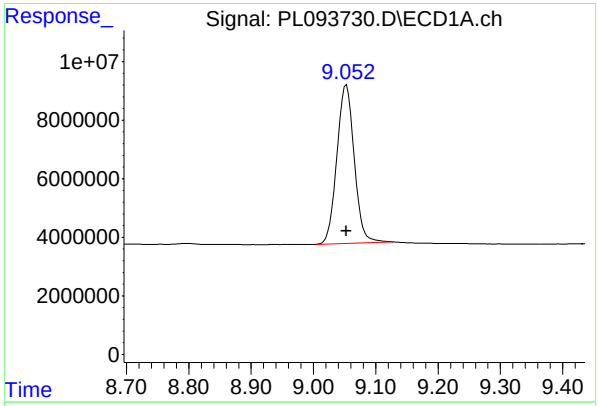
#22 Mirex

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



#22 Mirex

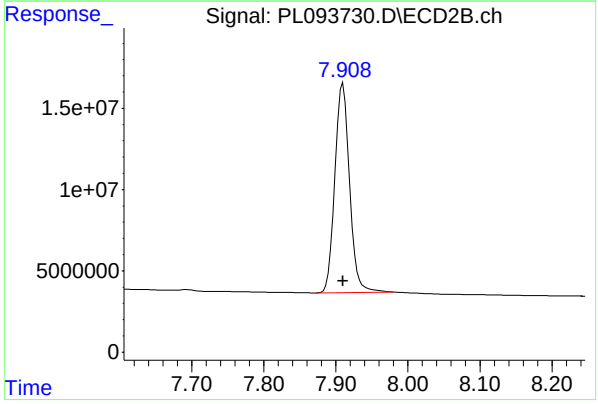
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 173654301
Conc: 50.00 ng/ml



#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)

ICAL Form

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.

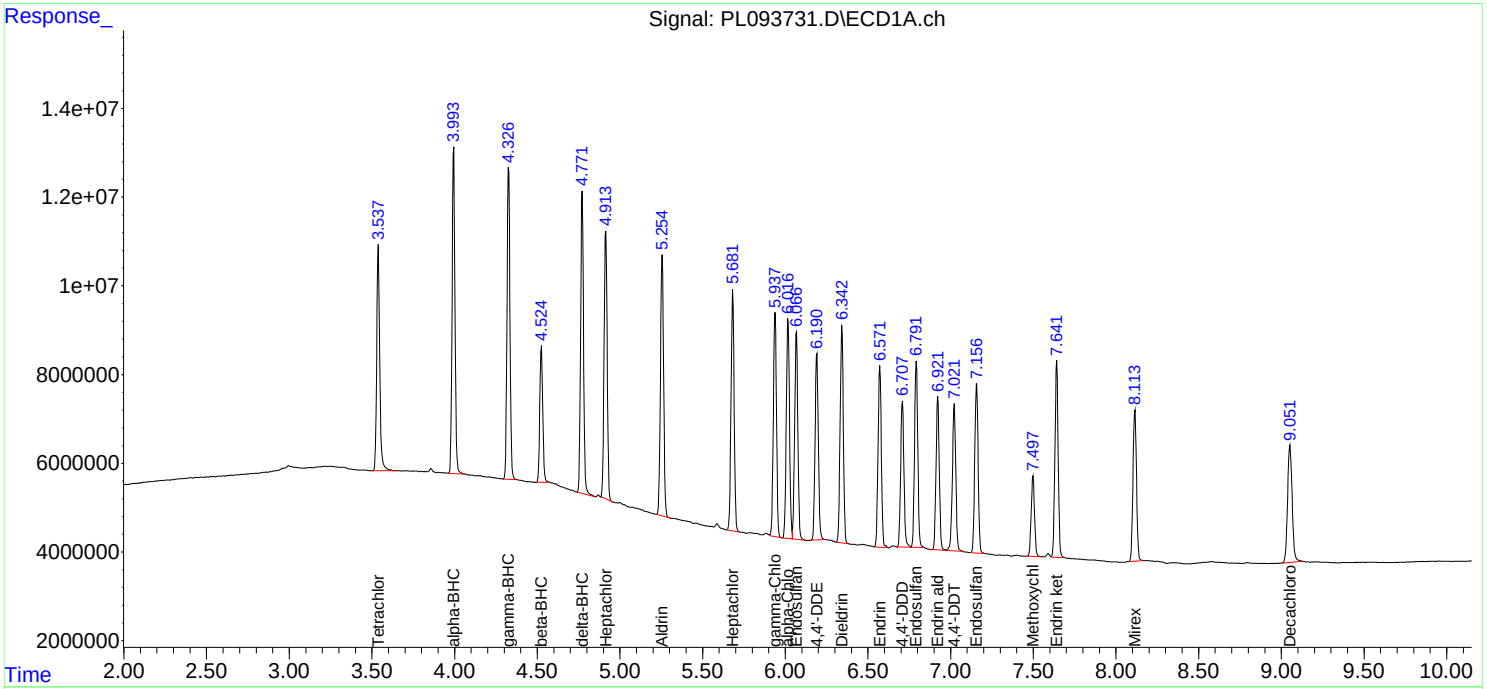
ICAL Form

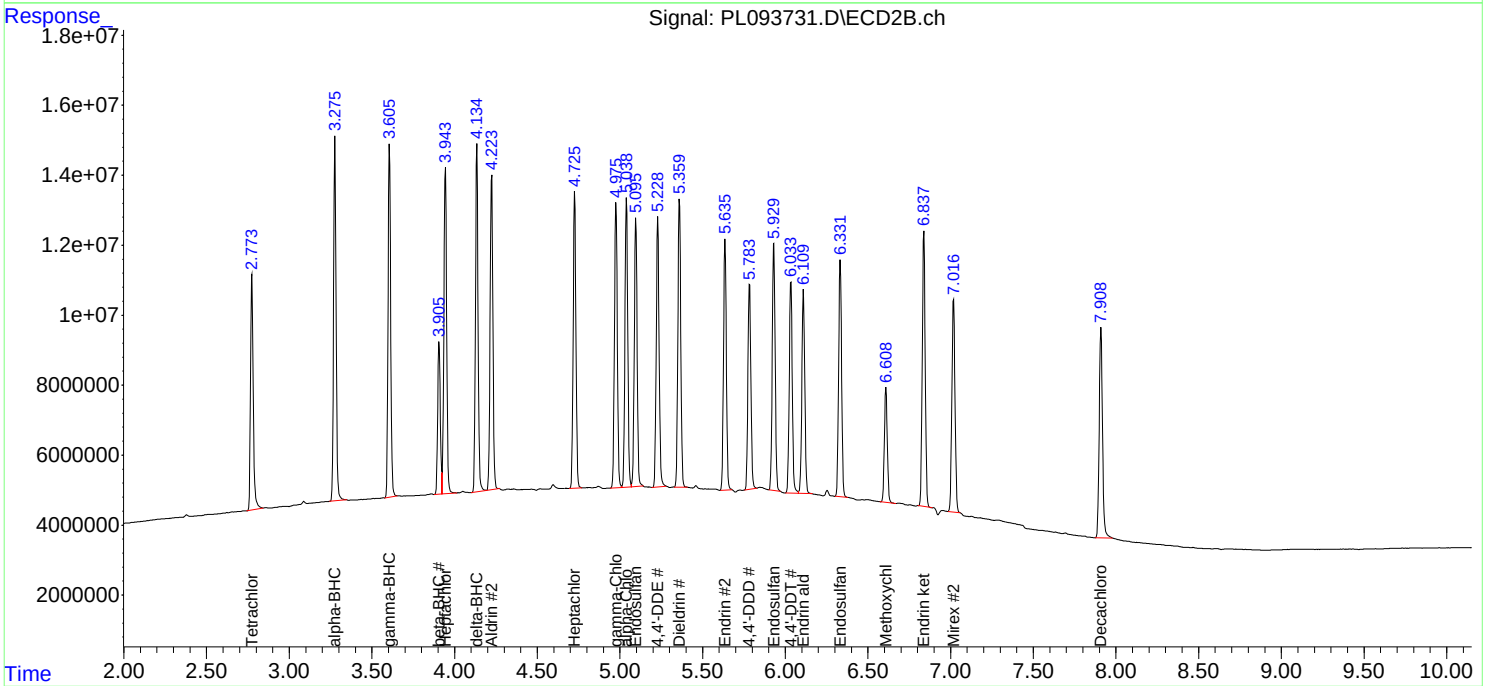
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

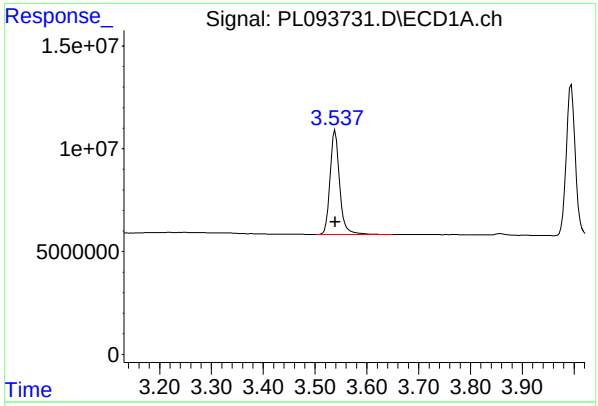
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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



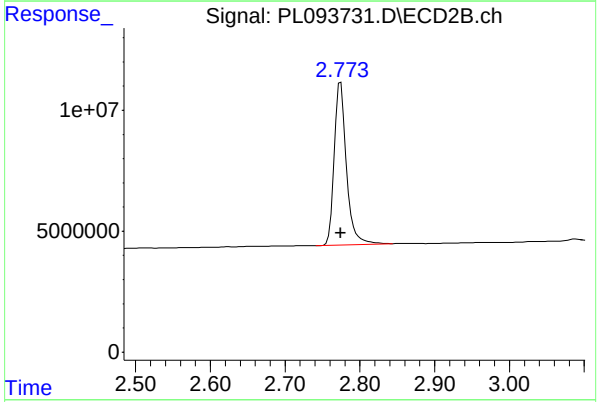




#1 Tetrachloro-m-xylene

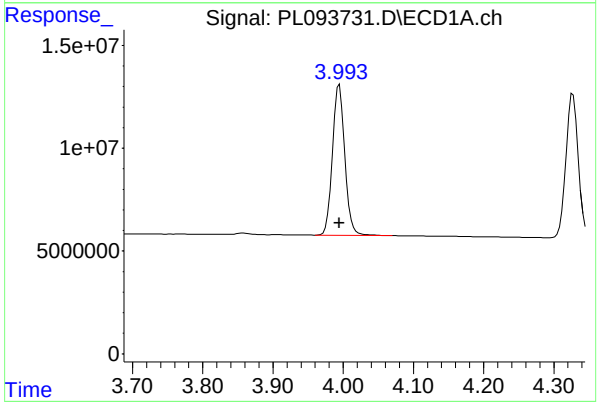
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



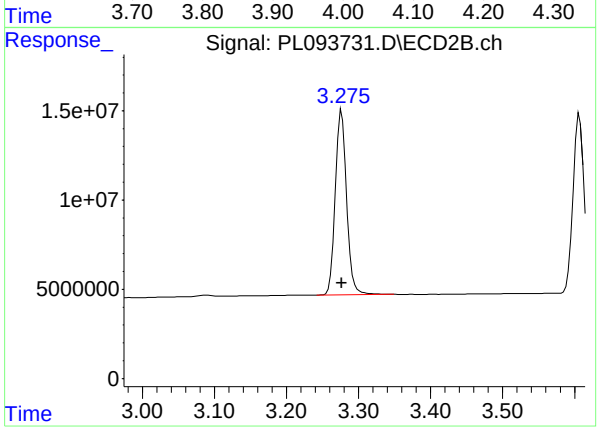
#1 Tetrachloro-m-xylene

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



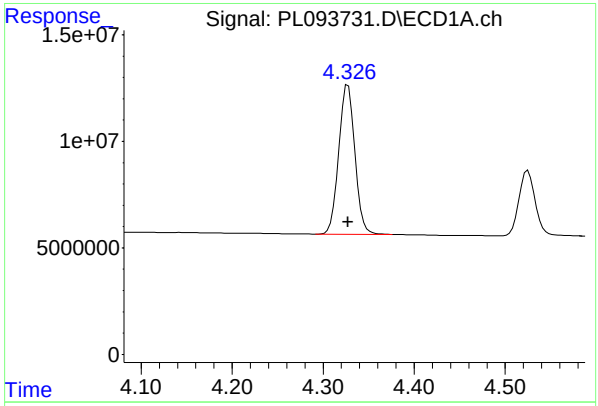
#2 alpha-BHC

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



#2 alpha-BHC

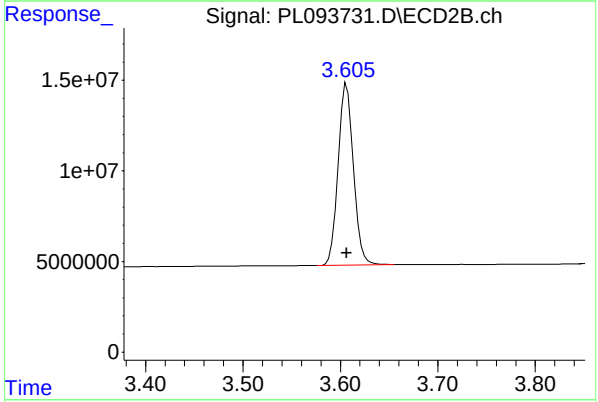
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

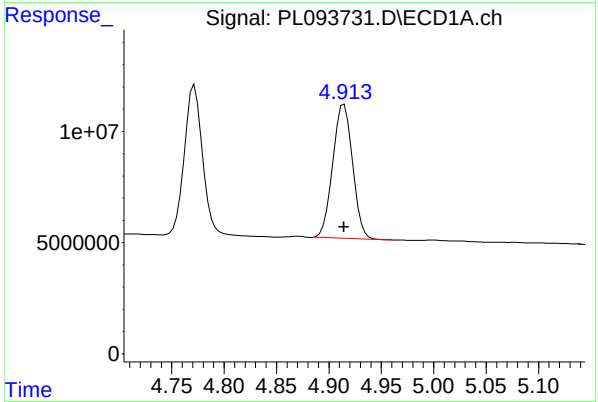
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



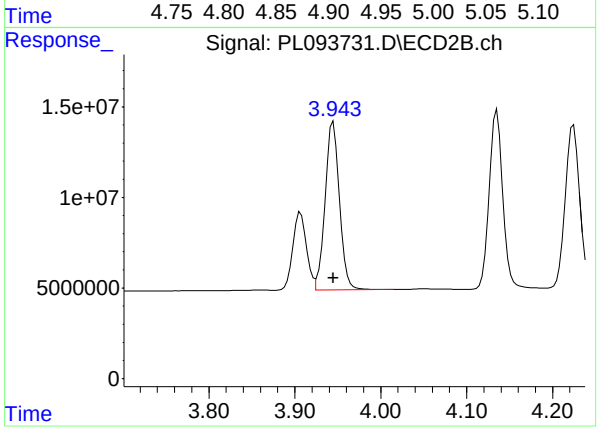
#3 gamma-BHC (Lindane)

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



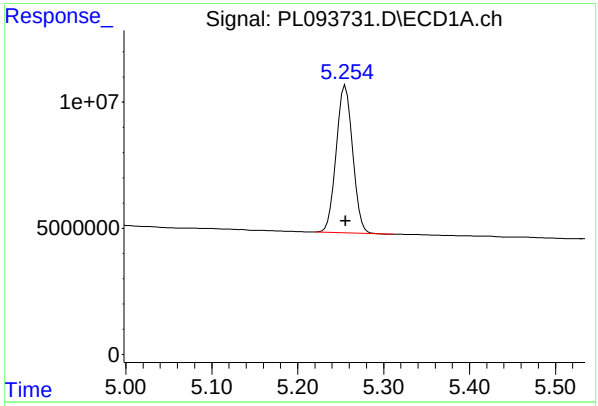
#4 Heptachlor

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



#4 Heptachlor

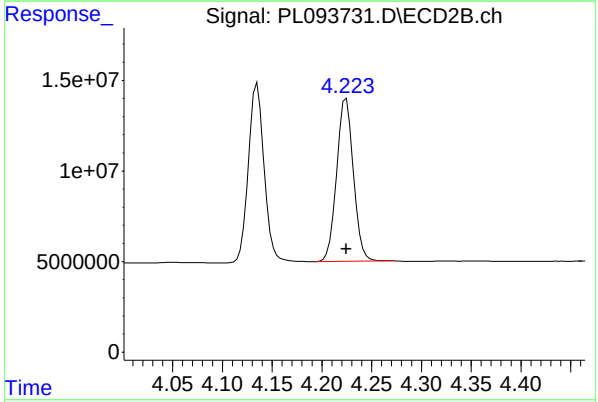
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

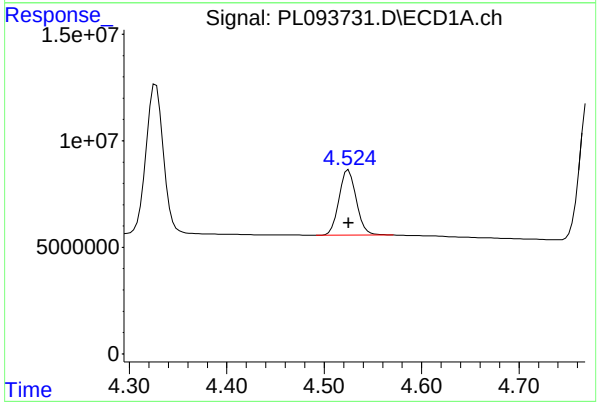
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



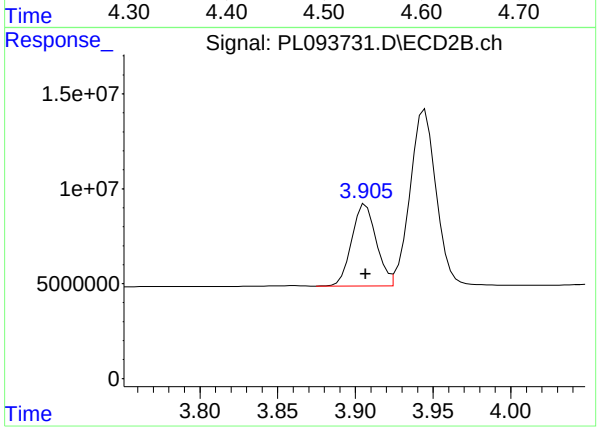
#5 Aldrin

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



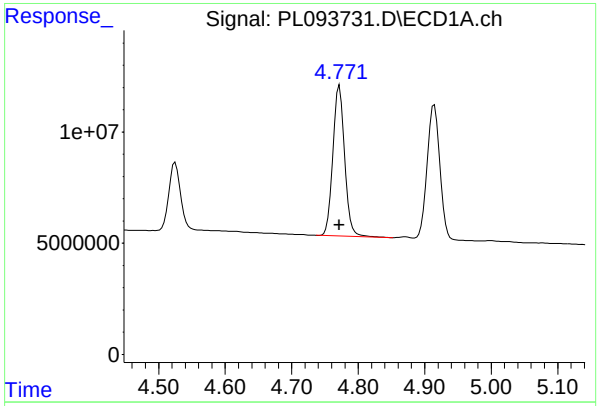
#6 beta-BHC

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



#6 beta-BHC

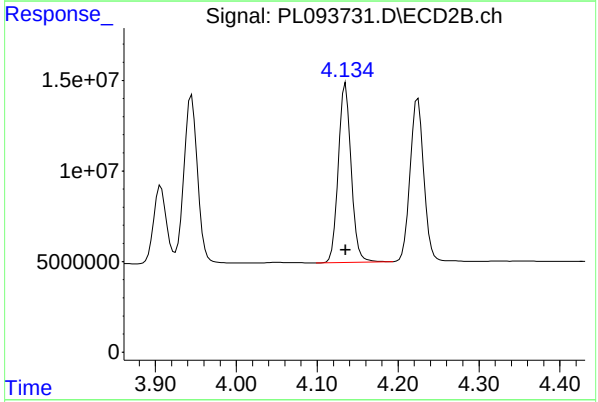
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

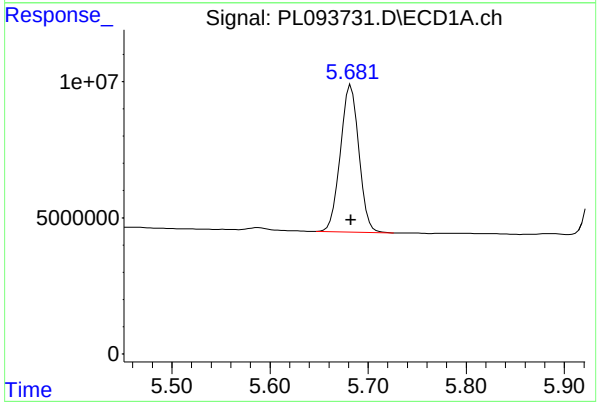
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



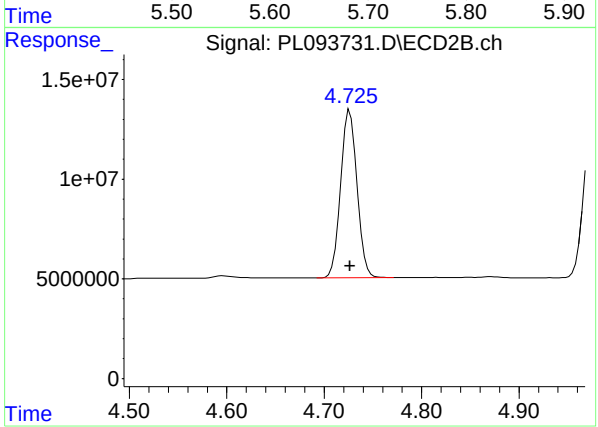
#7 delta-BHC

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



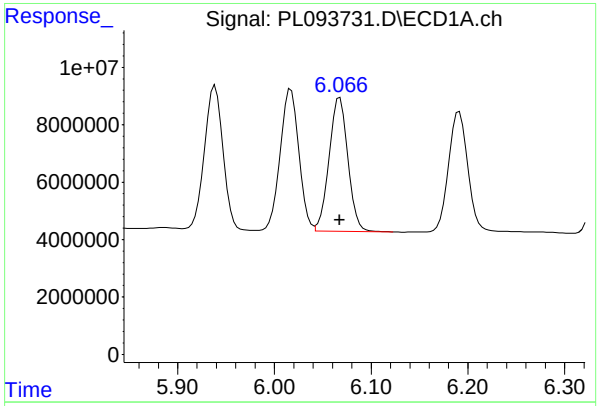
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

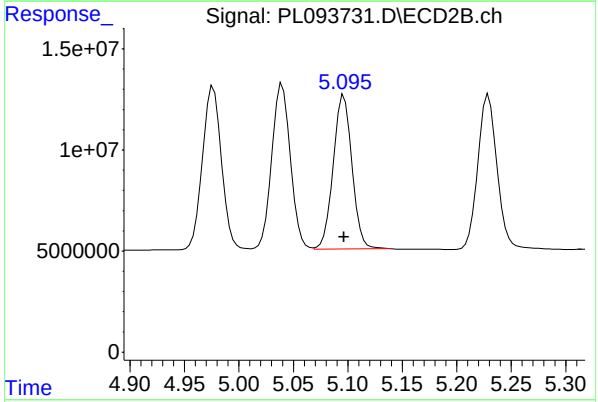
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

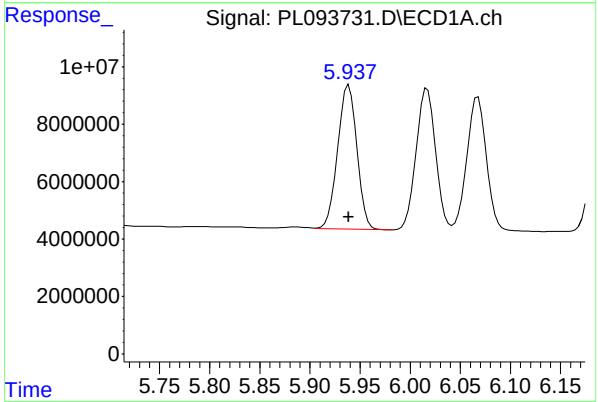
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



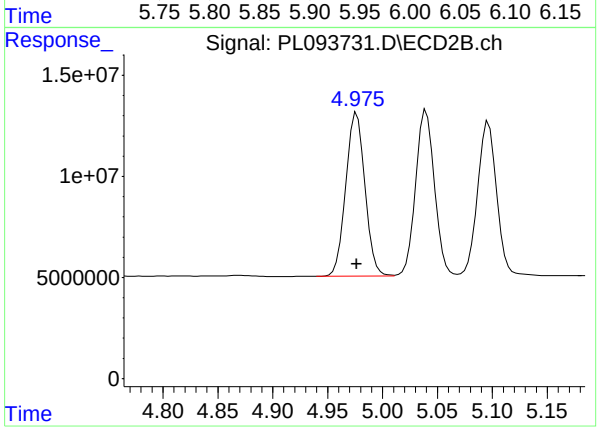
#9 Endosulfan I

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



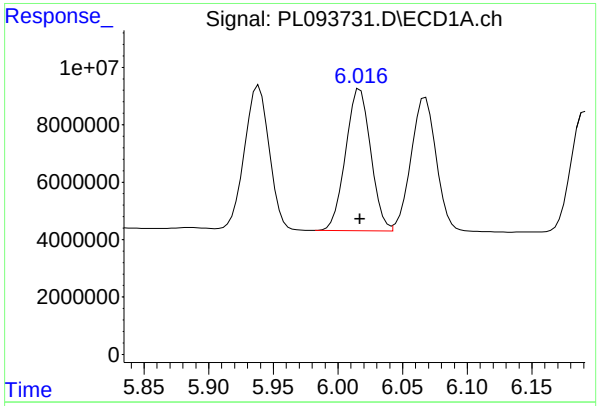
#10 gamma-Chlordane

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



#10 gamma-Chlordane

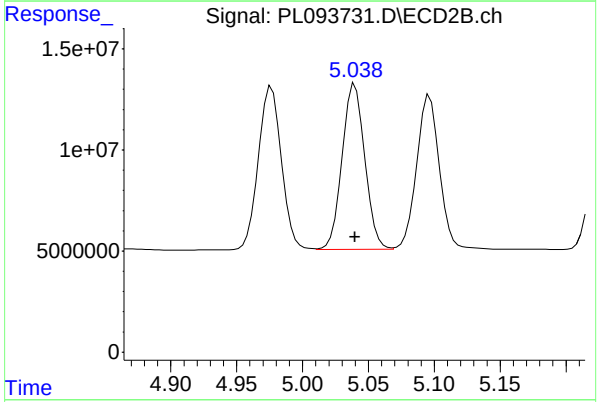
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

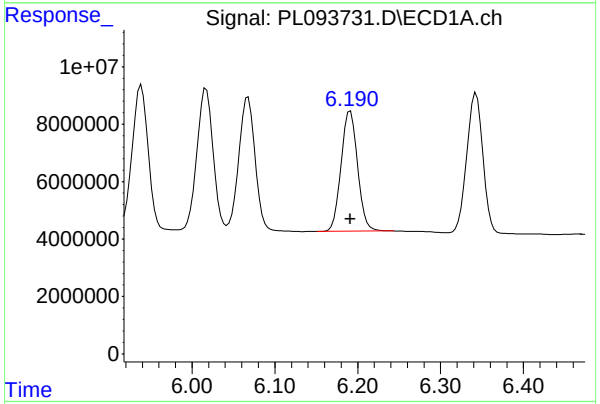
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



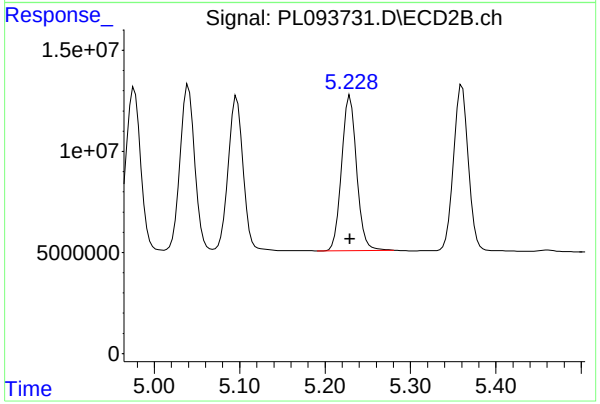
#11 alpha-Chlordane

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



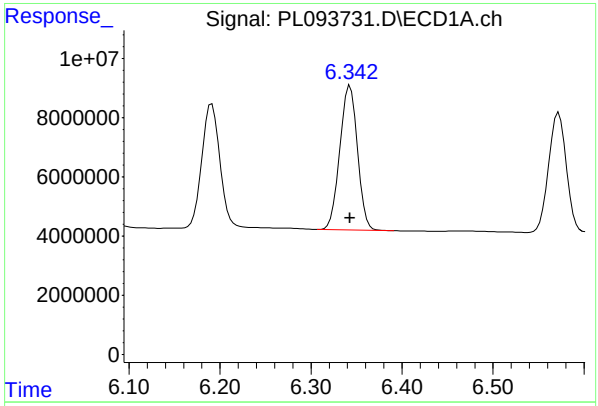
#12 4,4'-DDE

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



#12 4,4'-DDE

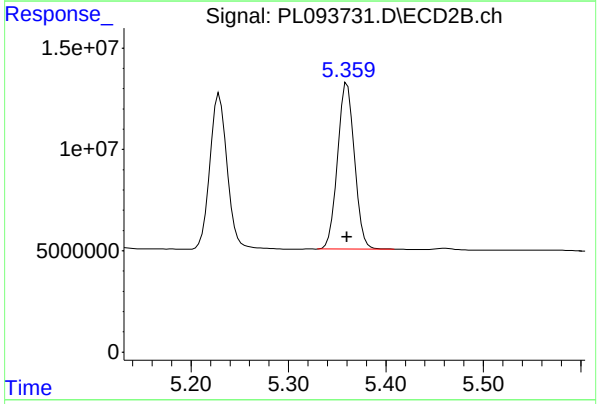
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

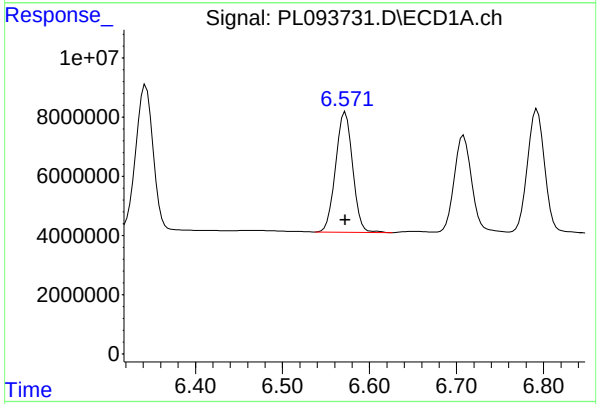
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



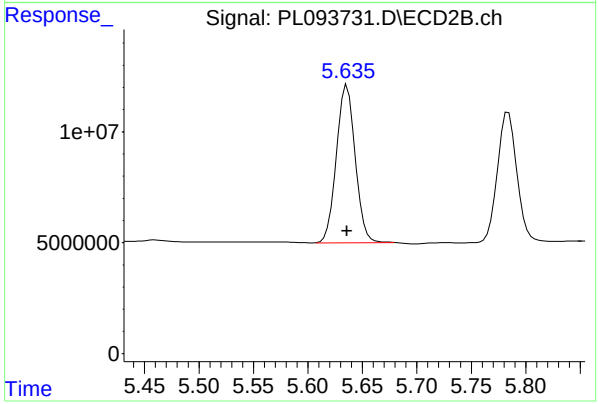
#13 Dieldrin

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



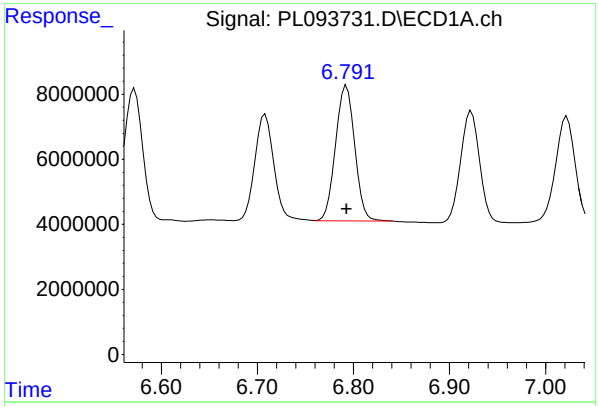
#14 Endrin

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



#14 Endrin

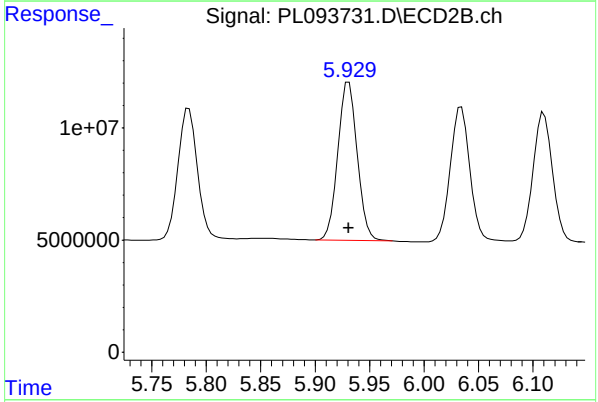
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

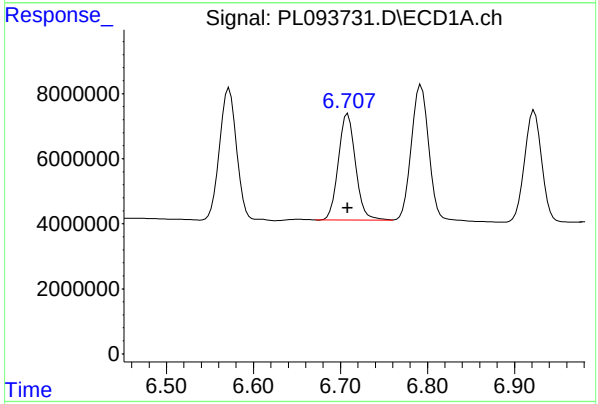
R.T.: 6.793 min
Delta R.T.: 0.000 mi
Response: 57195569
Conc: 25.74 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



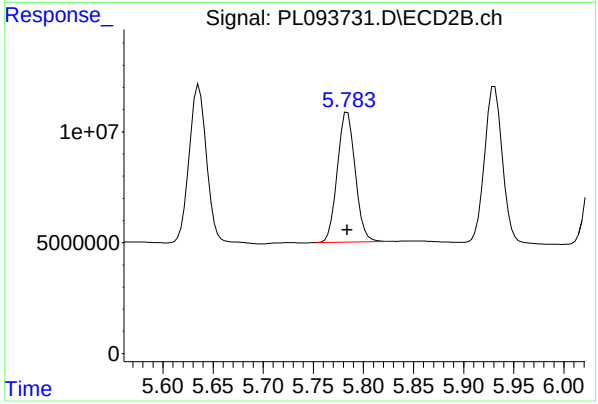
#15 Endosulfan II

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



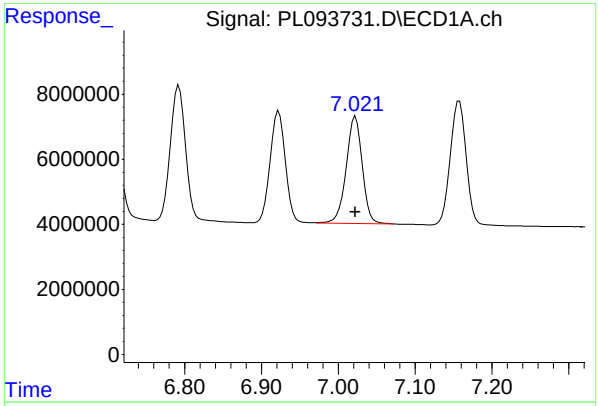
#16 4,4'-DDD

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



#16 4,4'-DDD

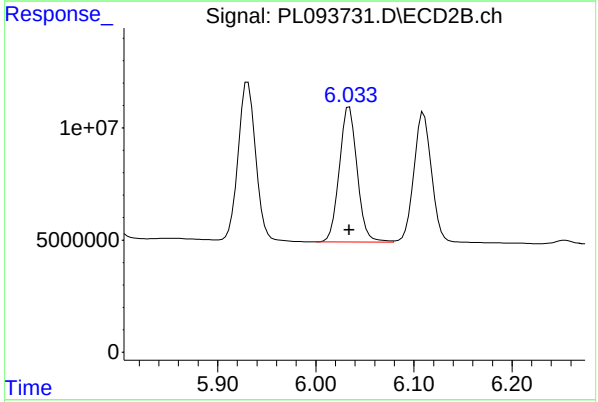
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

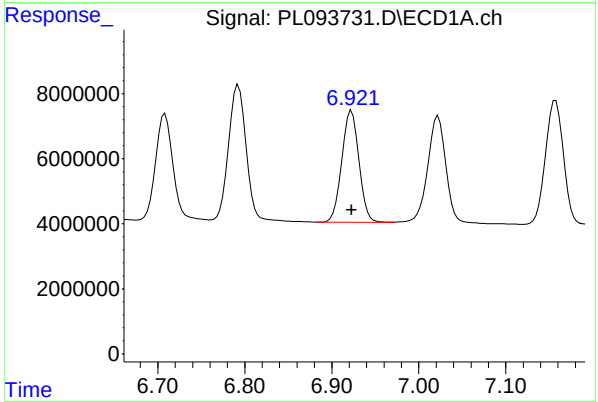
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



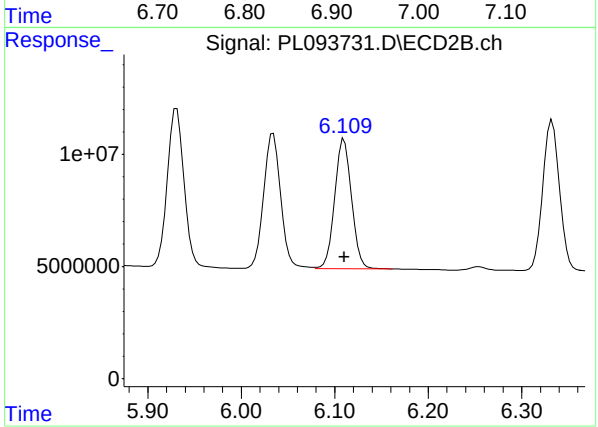
#17 4,4'-DDT

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



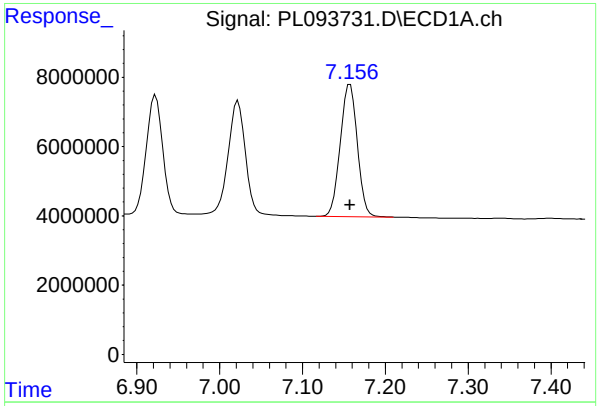
#18 Endrin aldehyde

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



#18 Endrin aldehyde

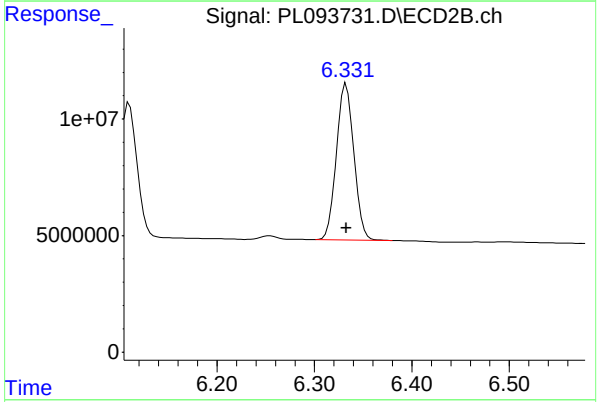
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

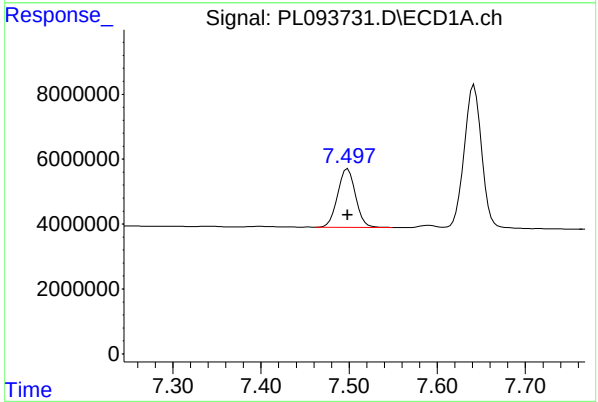
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



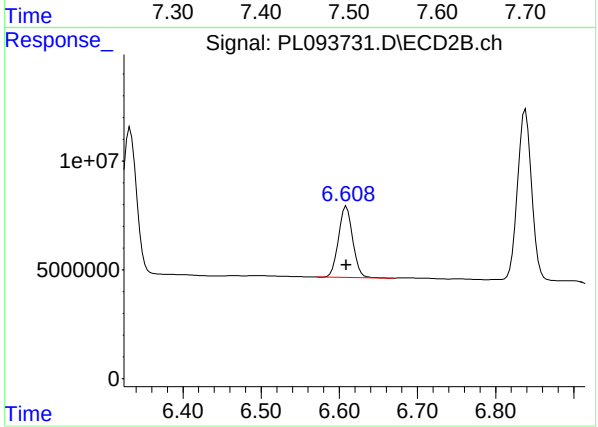
#19 Endosulfan Sulfate

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



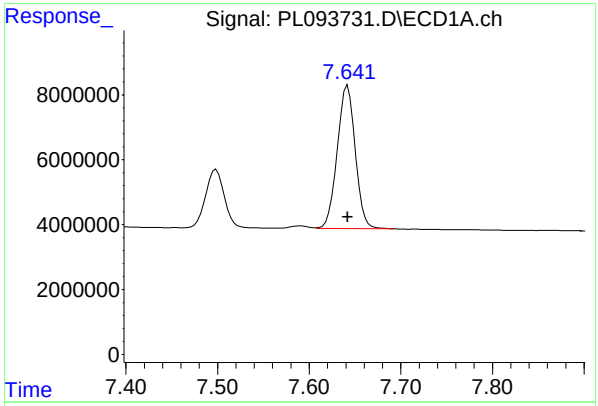
#20 Methoxychlor

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



#20 Methoxychlor

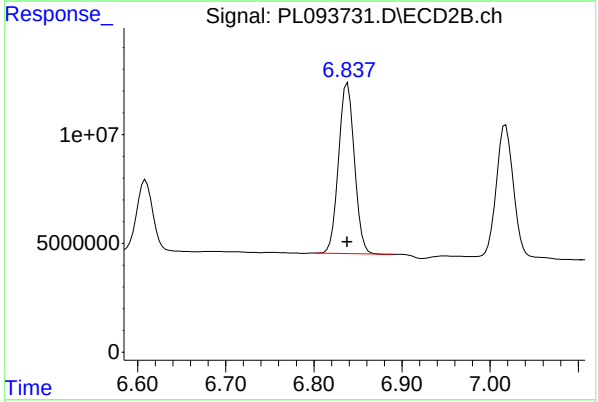
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

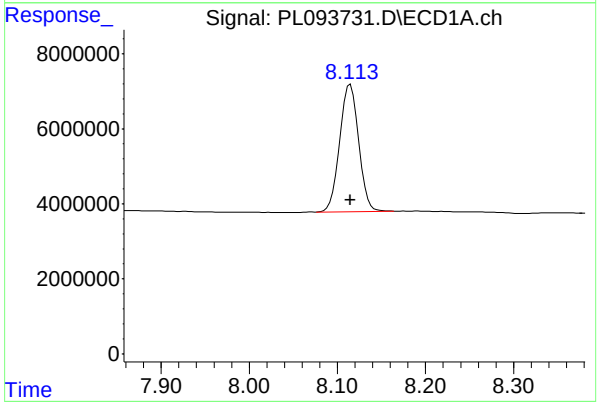
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 60347677
Conc: 25.80 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



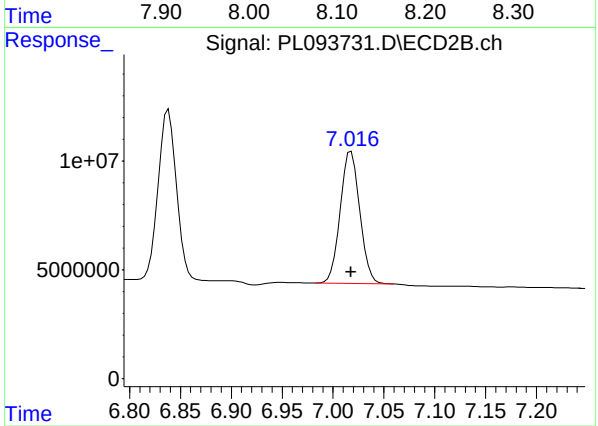
#21 Endrin ketone

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



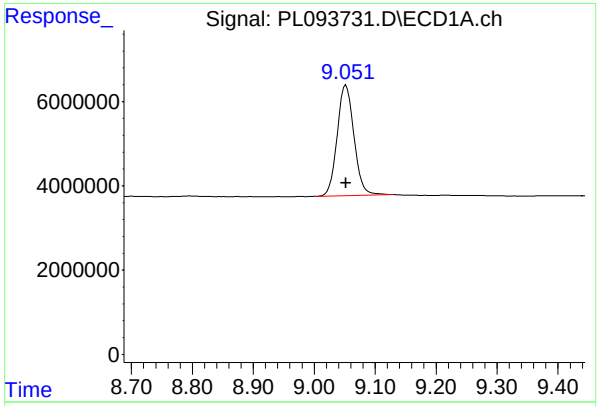
#22 Mirex

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



#22 Mirex

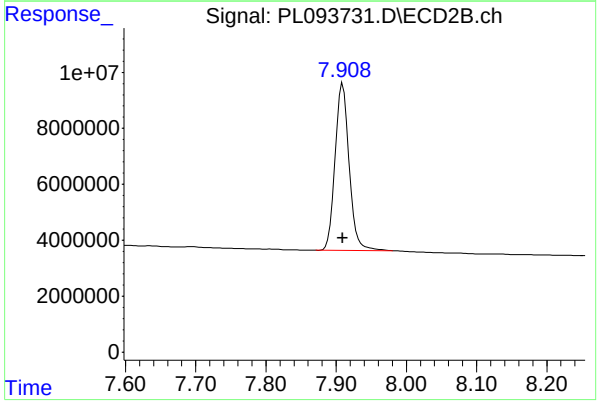
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 81084696
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

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

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)

ICAL Form

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.

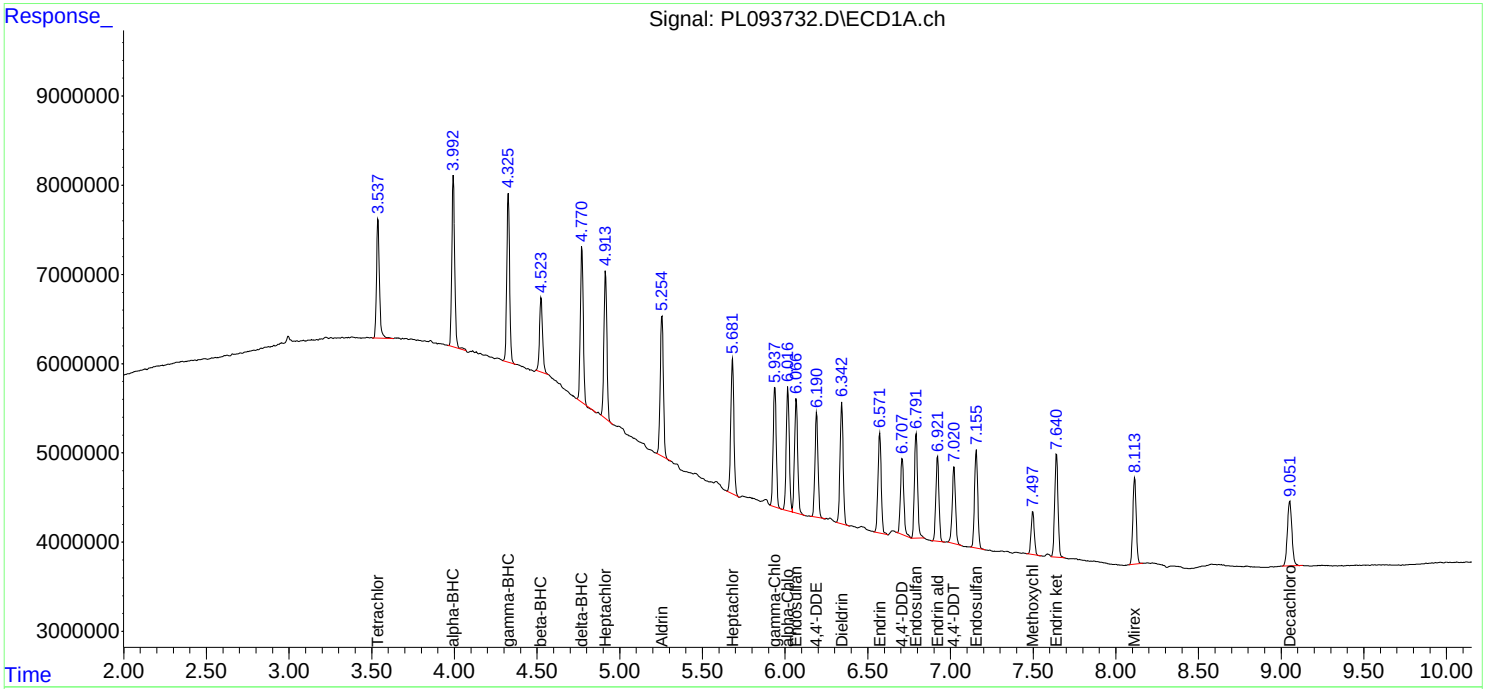
ICAL Form

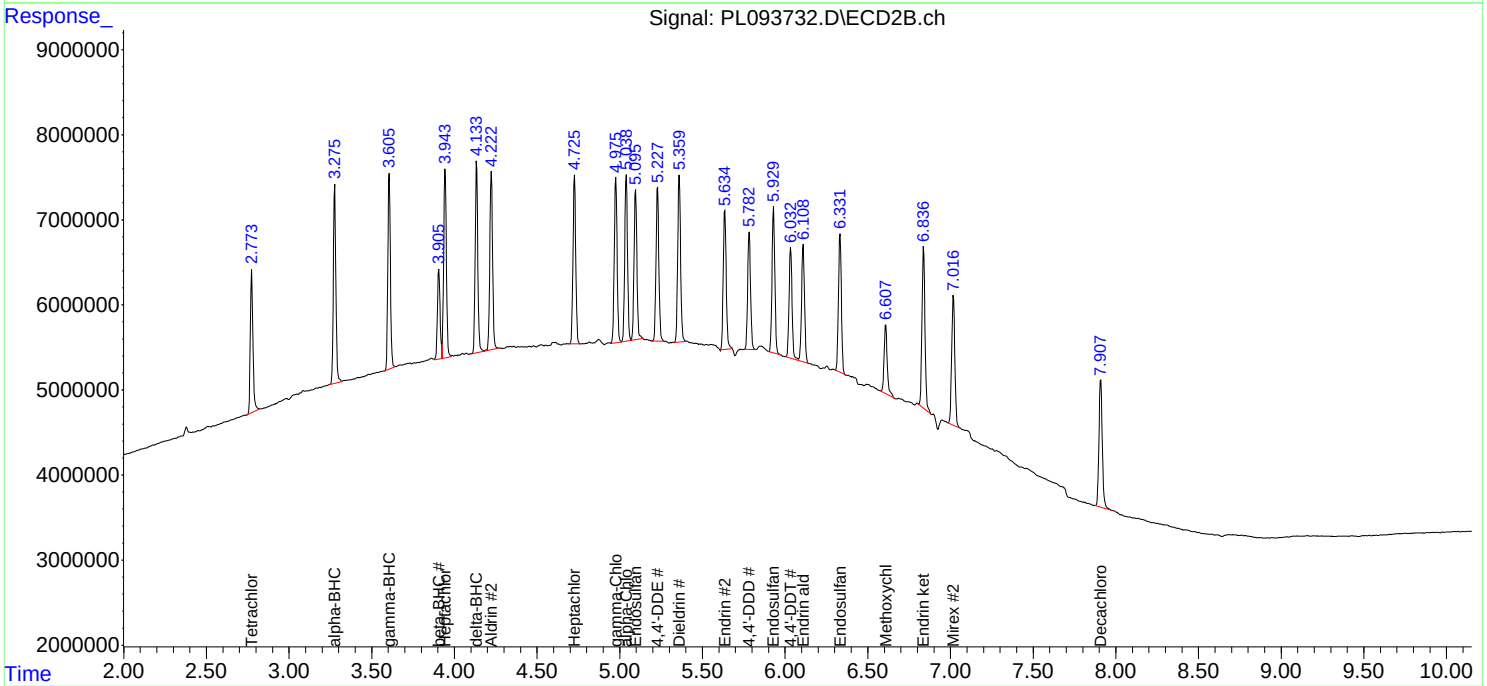
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

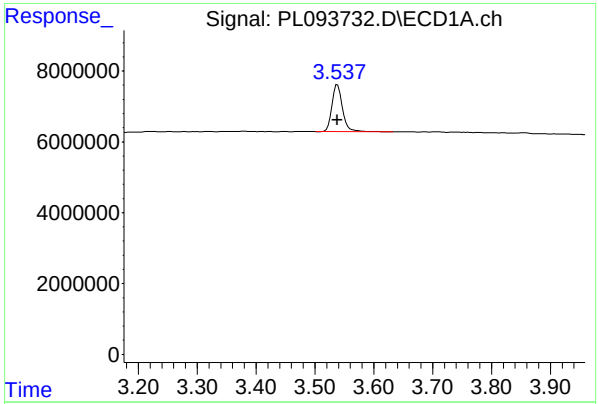
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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



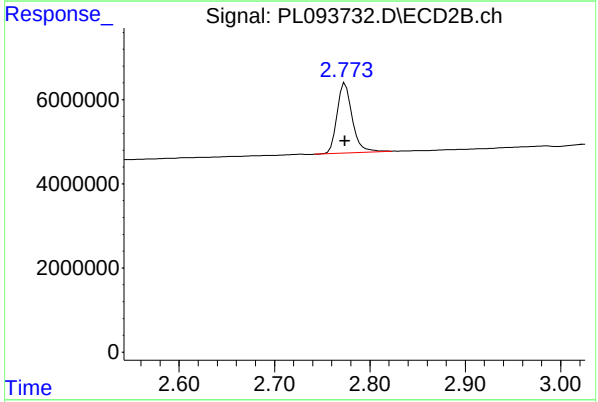




#1 Tetrachloro-m-xylene

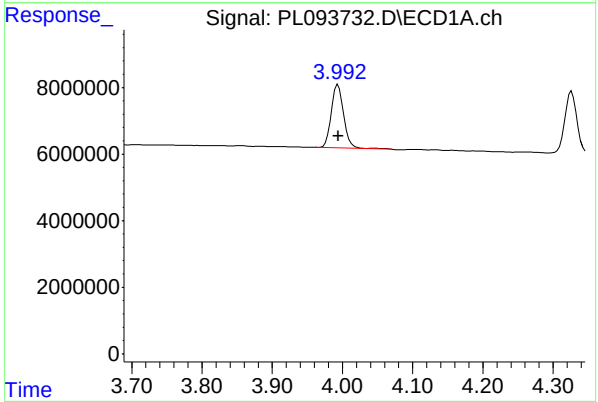
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



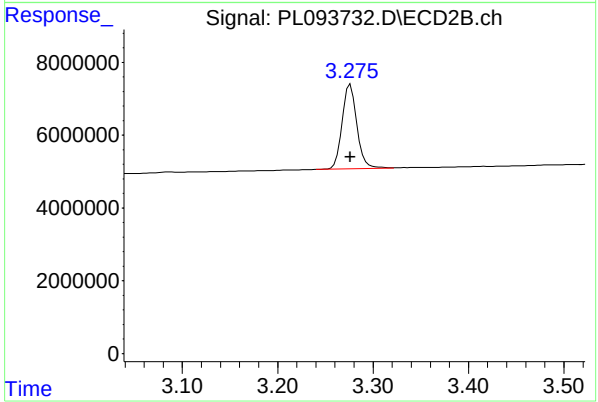
#1 Tetrachloro-m-xylene

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



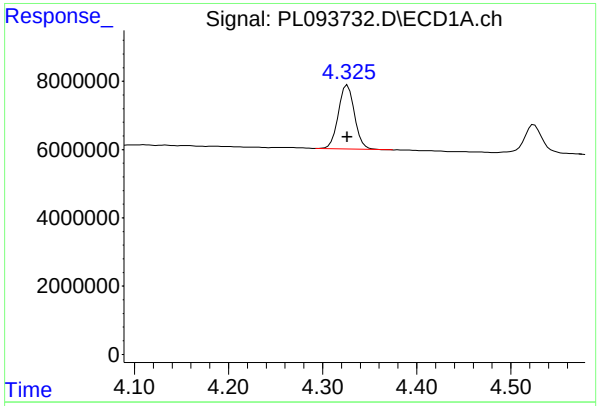
#2 alpha-BHC

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



#2 alpha-BHC

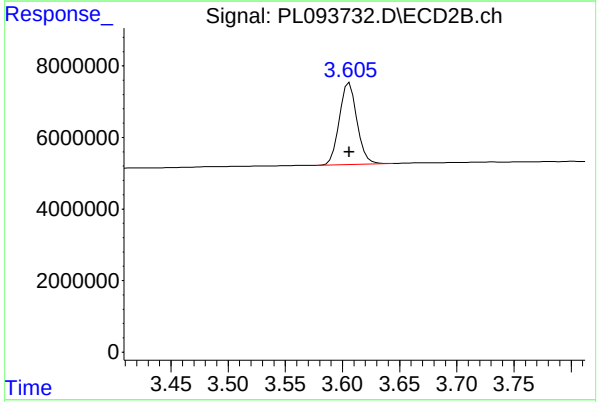
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

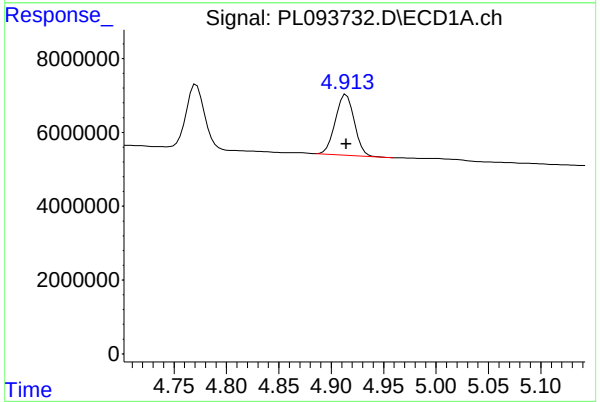
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



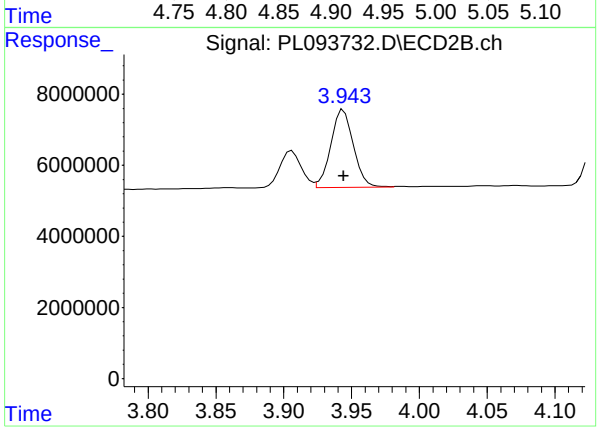
#3 gamma-BHC (Lindane)

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



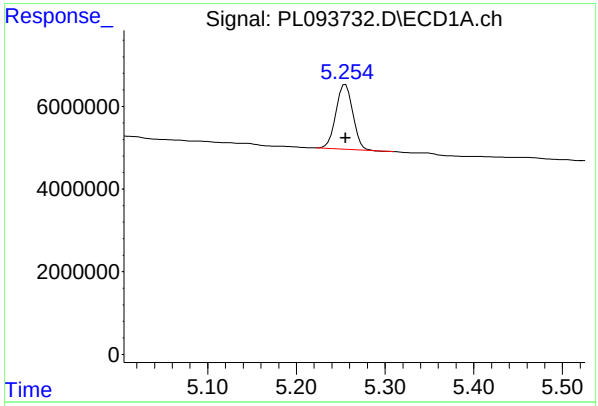
#4 Heptachlor

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



#4 Heptachlor

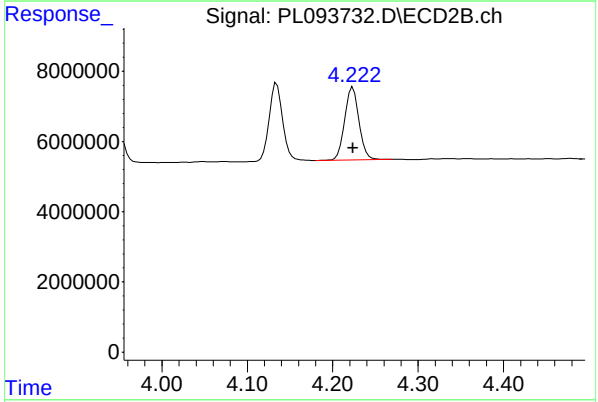
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

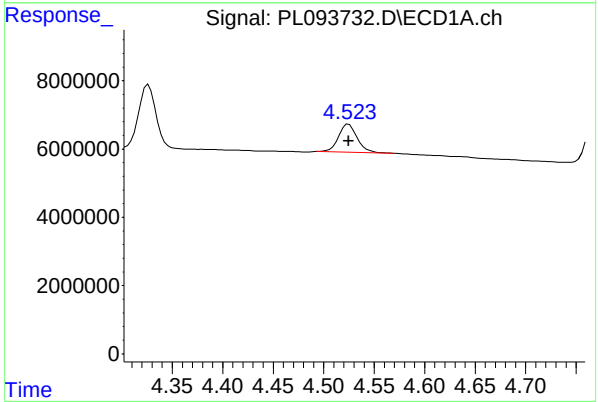
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



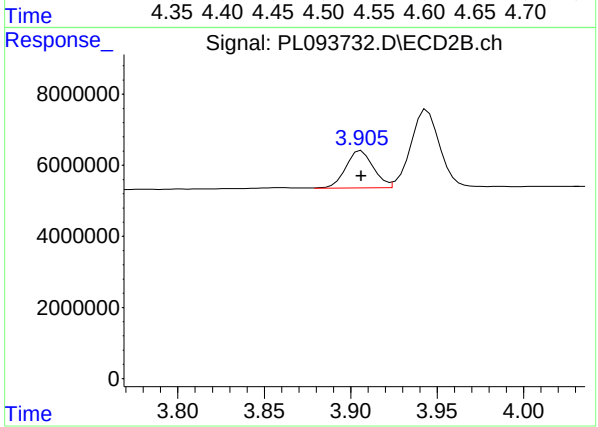
#5 Aldrin

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



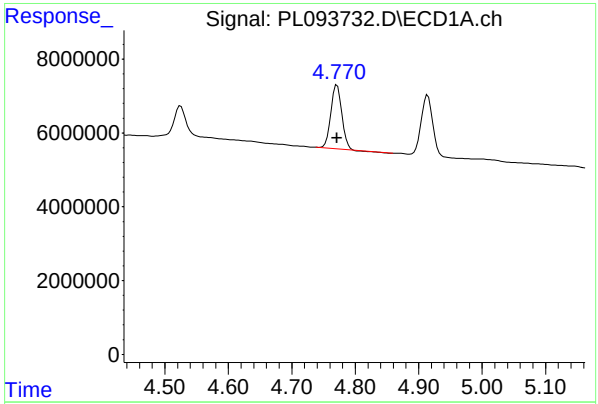
#6 beta-BHC

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



#6 beta-BHC

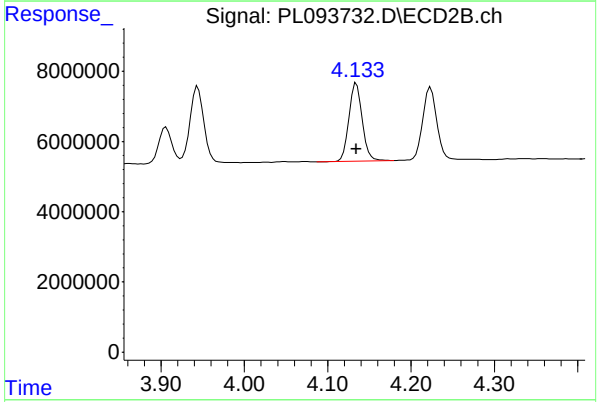
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

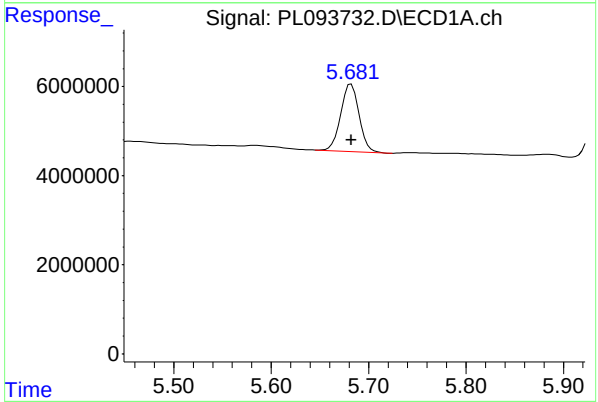
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



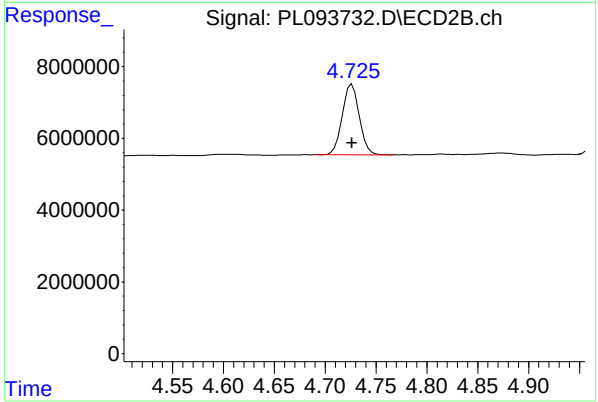
#7 delta-BHC

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



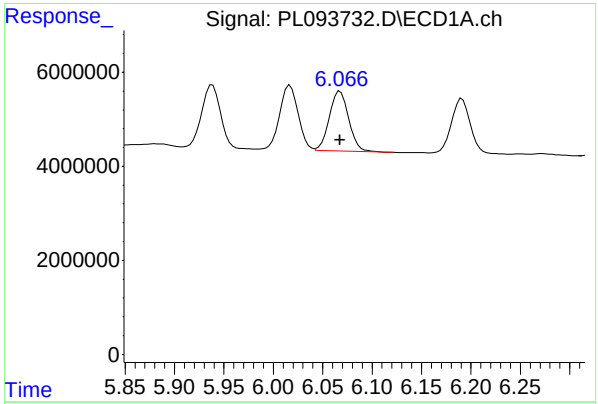
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

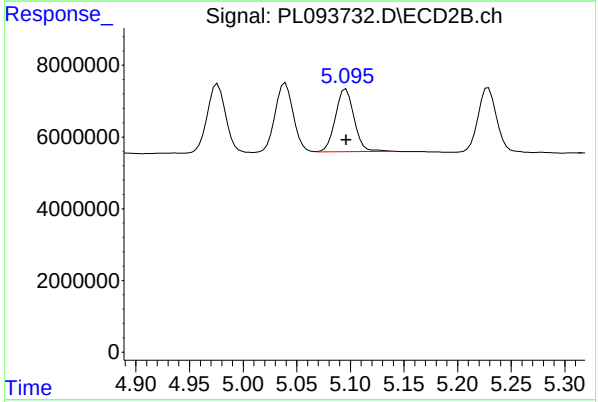
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

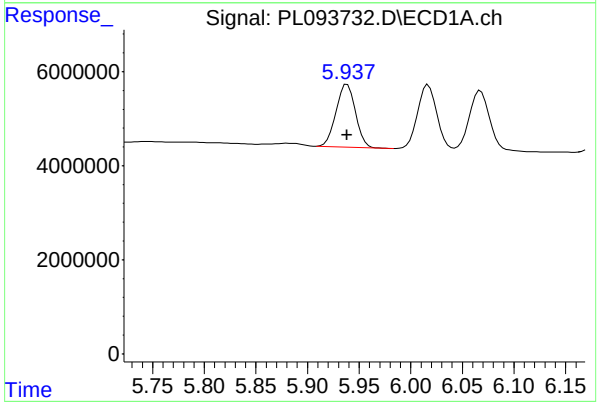
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



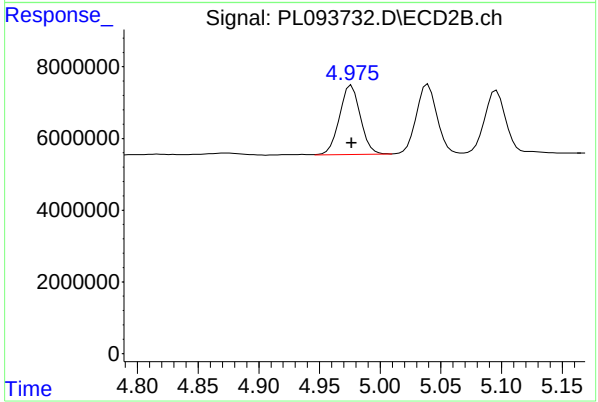
#9 Endosulfan I

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



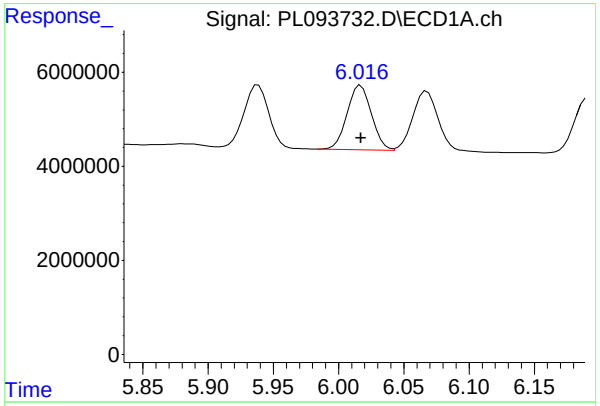
#10 gamma-Chlordane

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



#10 gamma-Chlordane

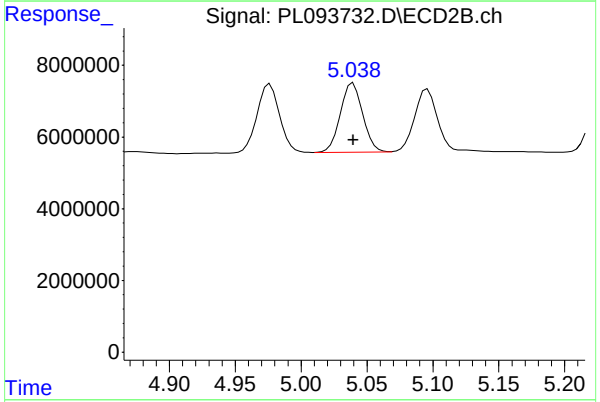
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

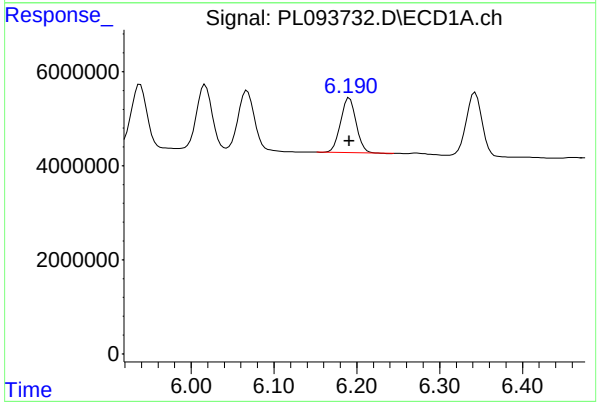
R.T.: 6.017 min
Delta R.T.: 0.000 mi
Response: 17853432
Conc: 6.40 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



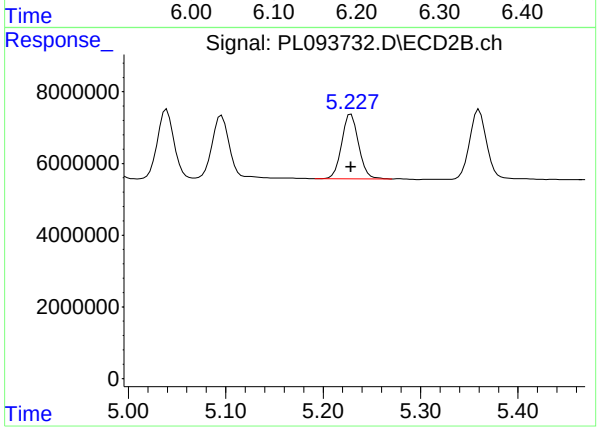
#11 alpha-Chlordane

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



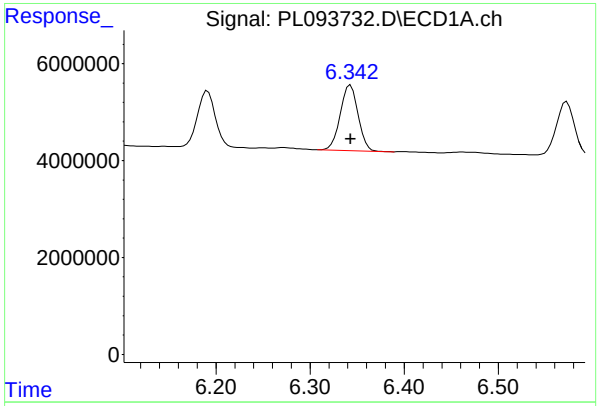
#12 4,4'-DDE

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



#12 4,4'-DDE

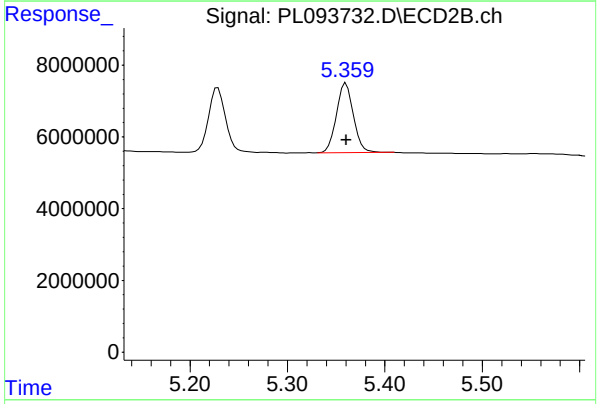
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

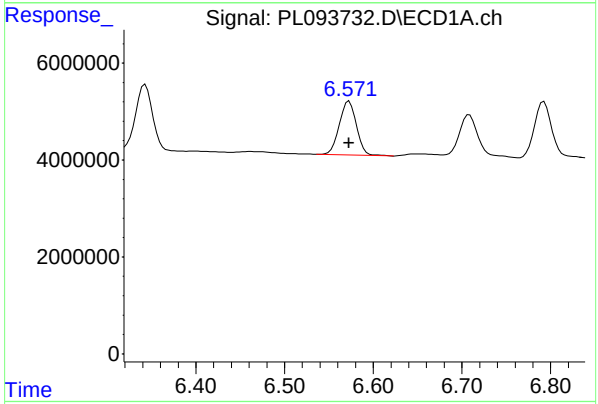
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



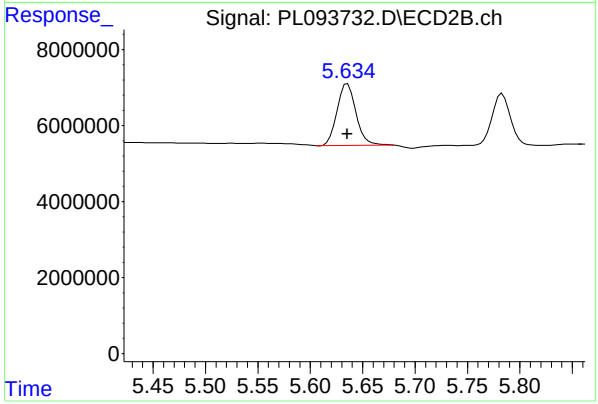
#13 Dieldrin

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



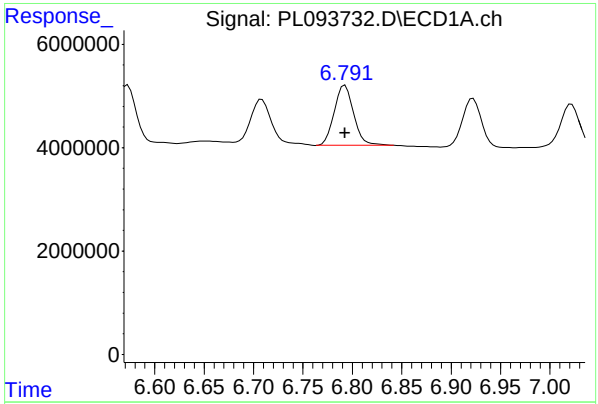
#14 Endrin

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



#14 Endrin

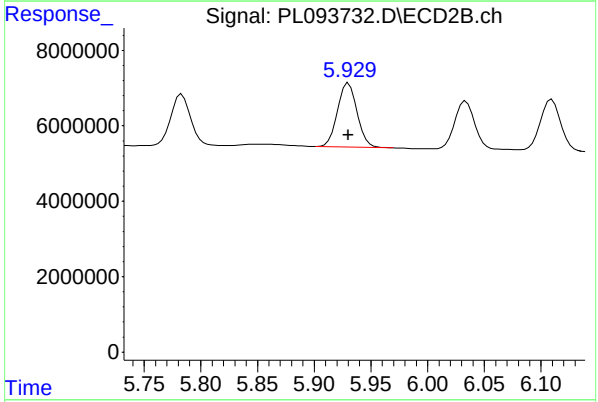
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

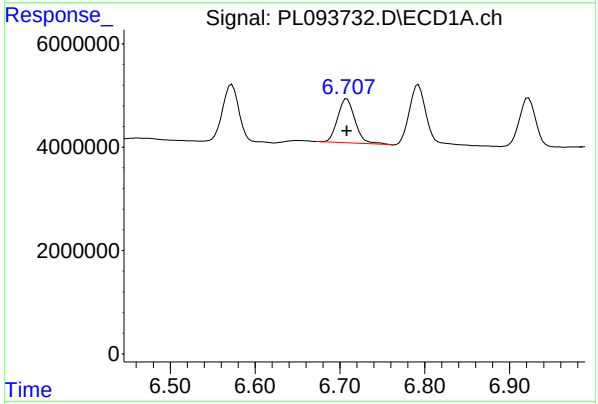
R.T.: 6.793 min
Delta R.T.: 0.000 mi
Response: 15801314
Conc: 6.56 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



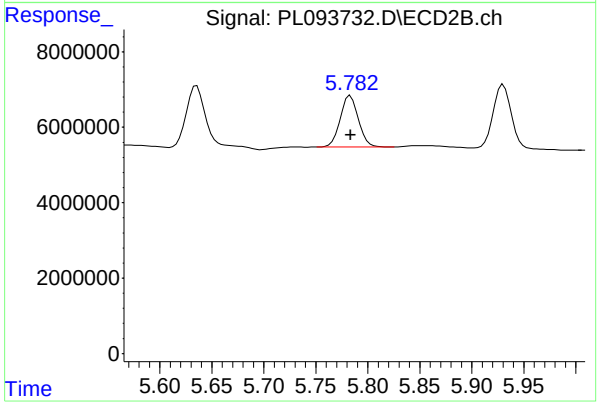
#15 Endosulfan II

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



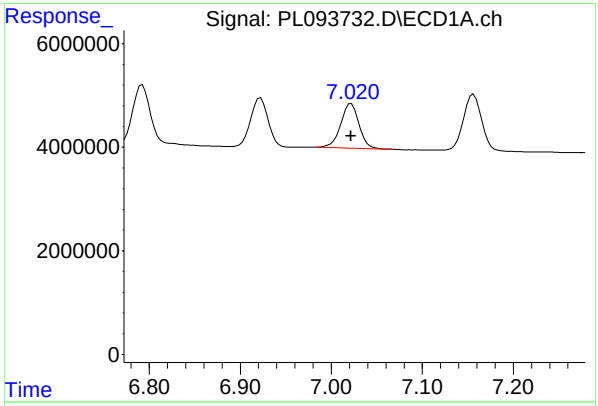
#16 4,4'-DDD

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



#16 4,4'-DDD

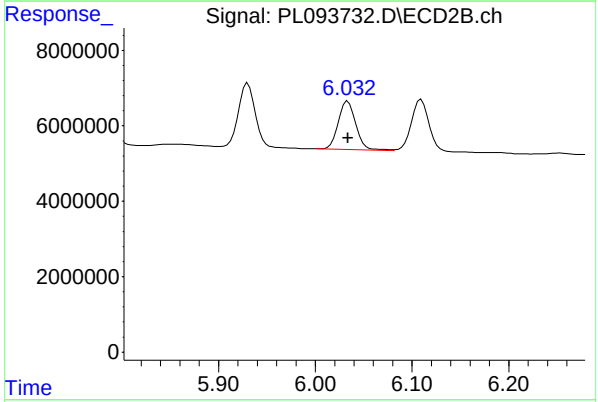
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

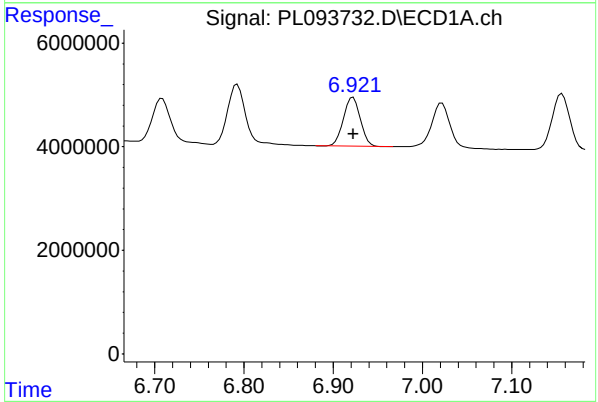
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



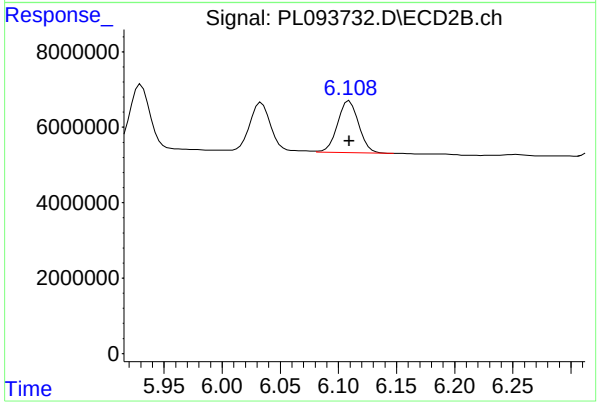
#17 4,4'-DDT

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



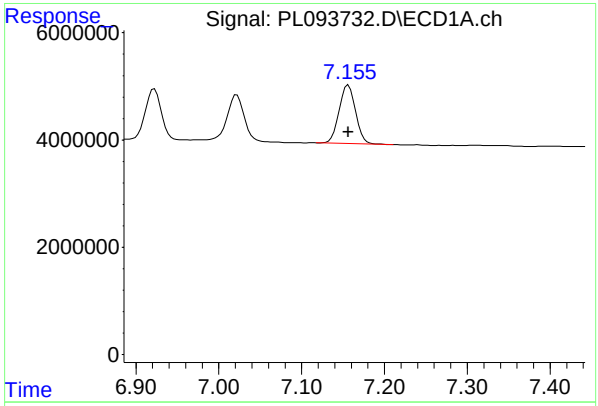
#18 Endrin aldehyde

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



#18 Endrin aldehyde

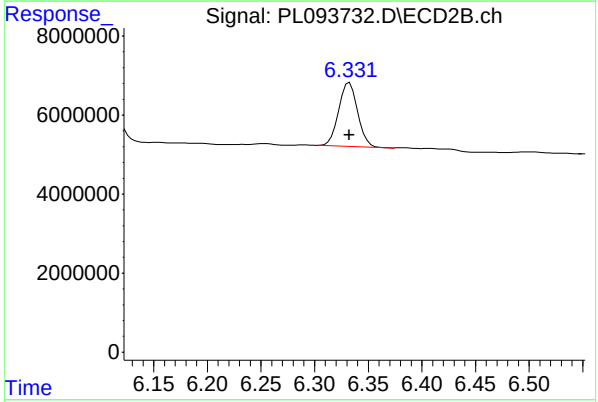
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

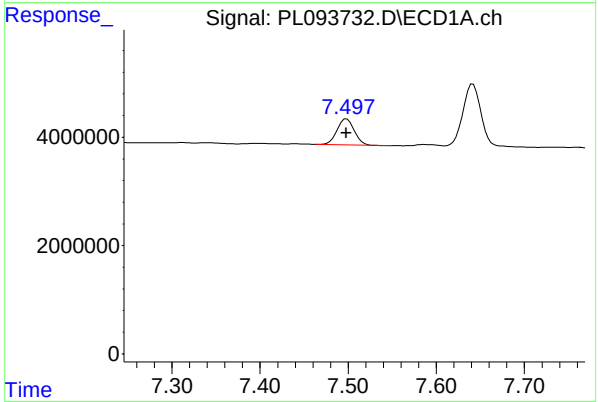
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



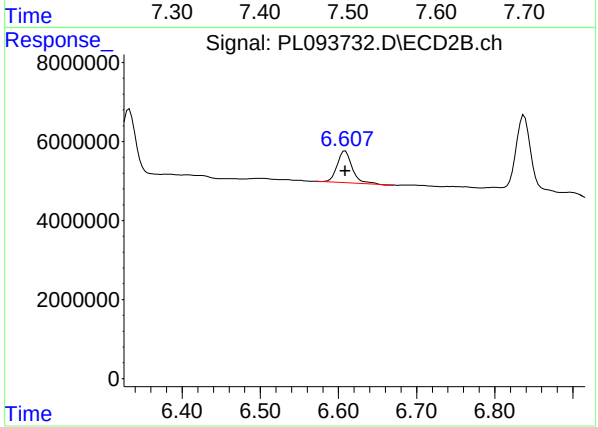
#19 Endosulfan Sulfate

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



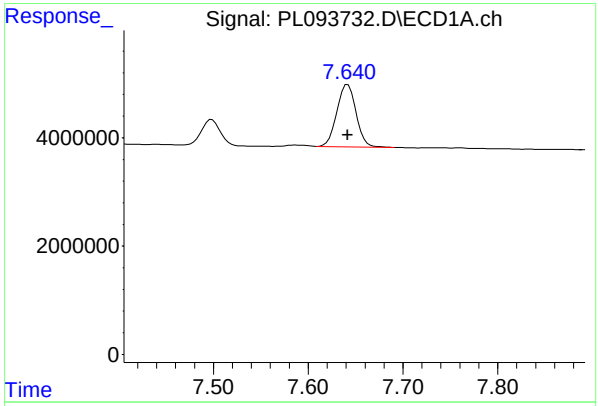
#20 Methoxychlor

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



#20 Methoxychlor

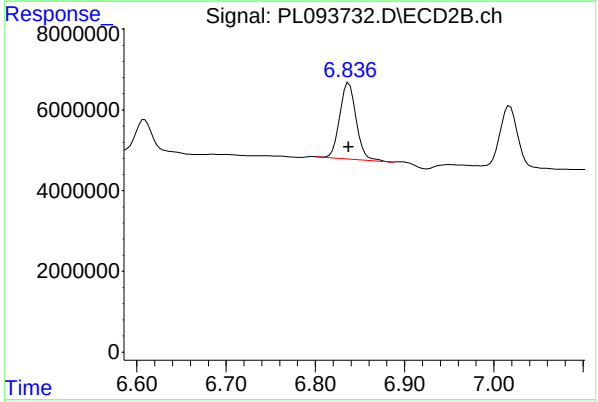
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

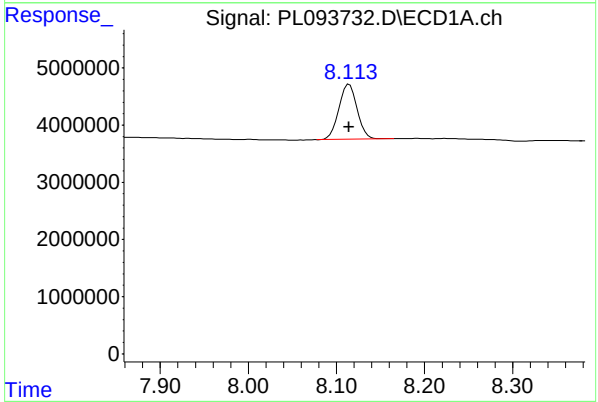
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 16285626
Conc: 6.46 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



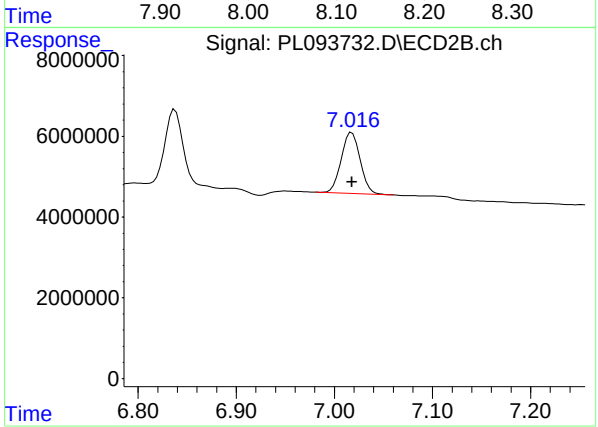
#21 Endrin ketone

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



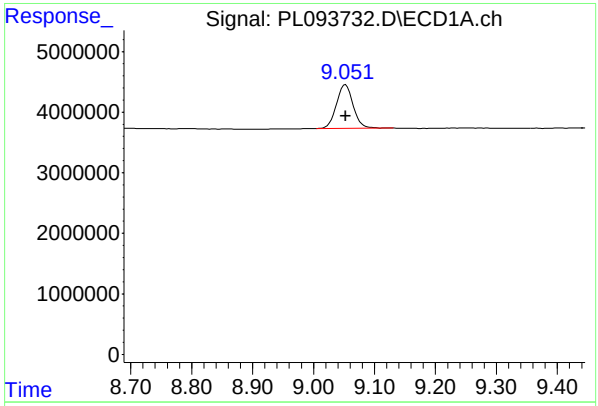
#22 Mirex

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



#22 Mirex

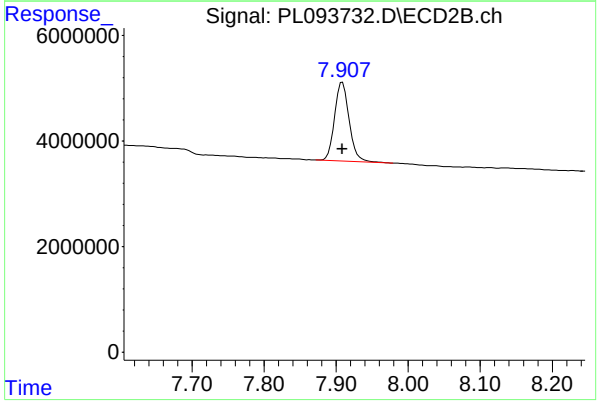
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#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)

ICAL Form

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.

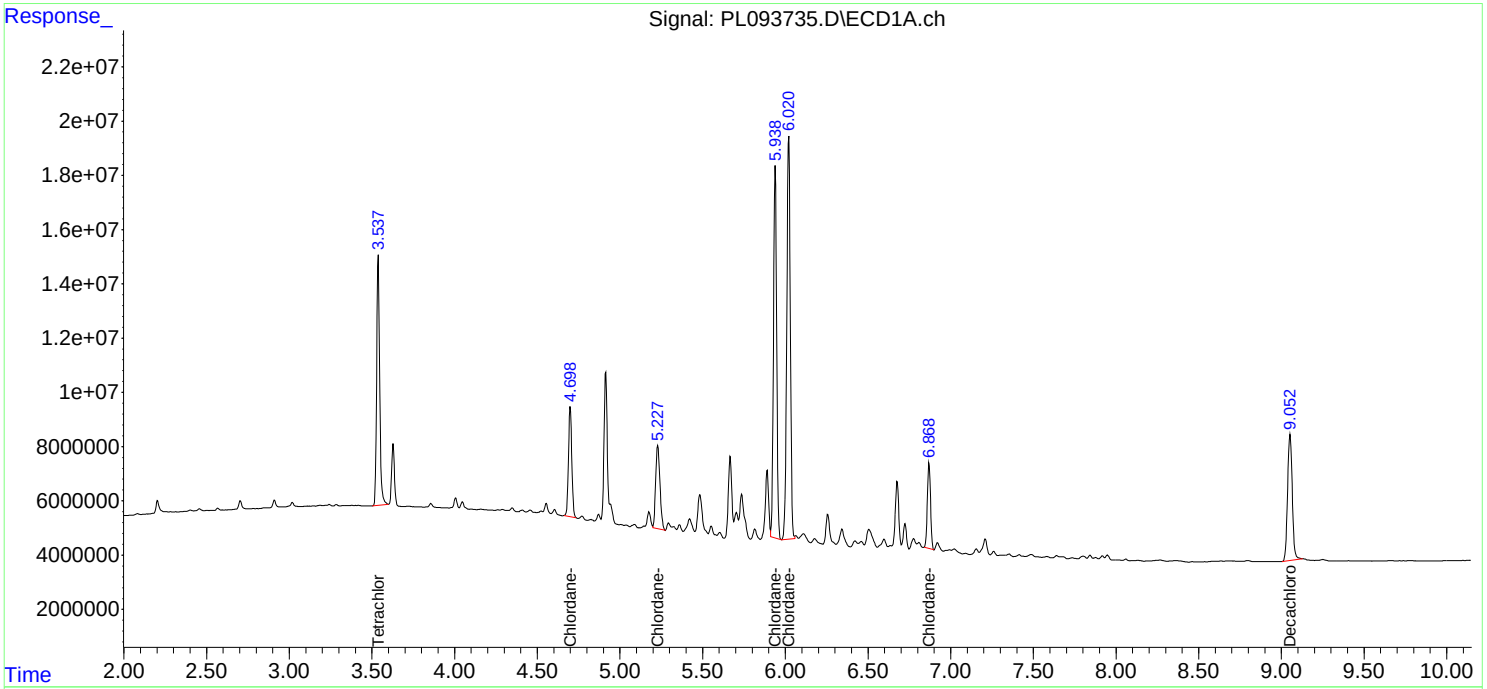
ICAL Form

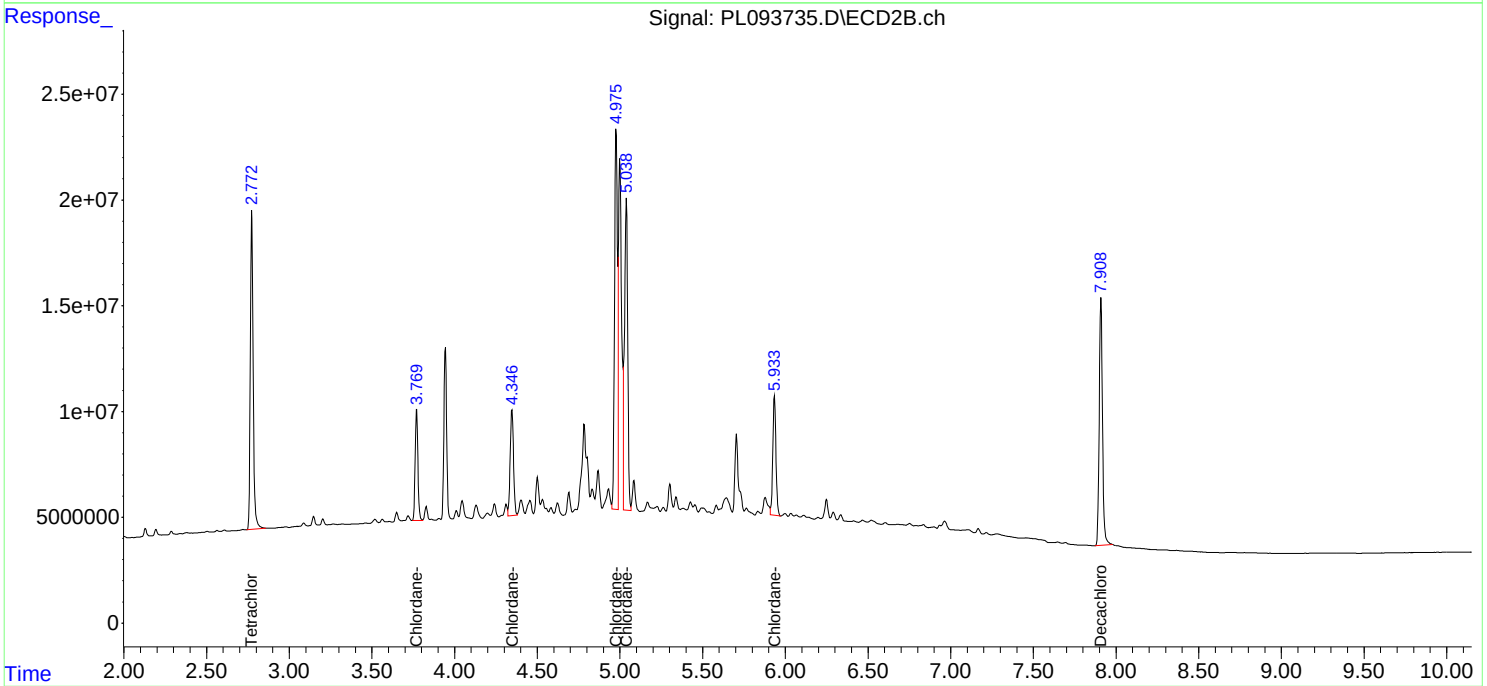
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

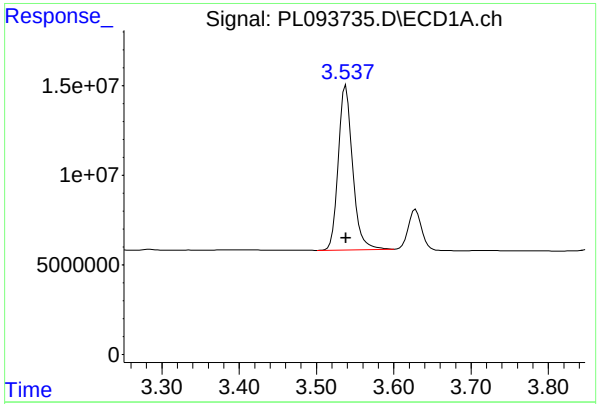
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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



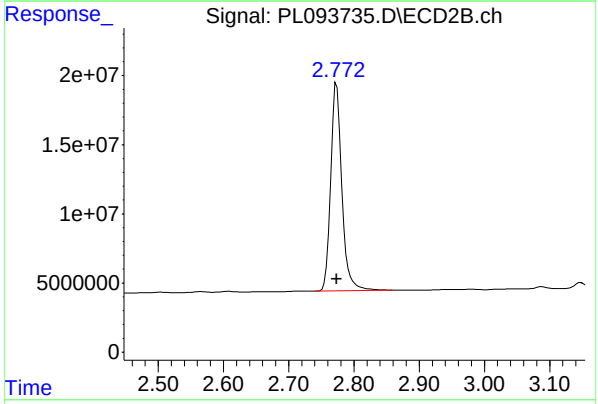




#1 Tetrachloro-m-xylene

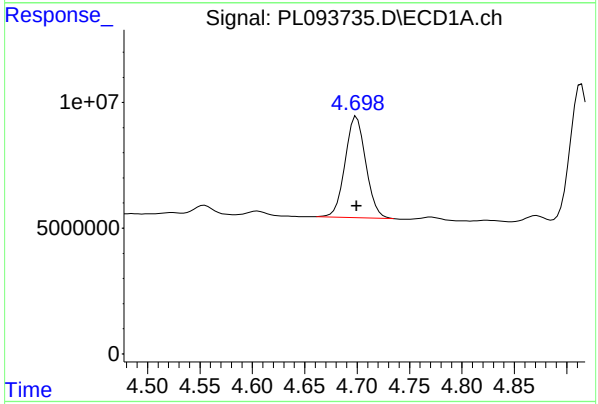
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



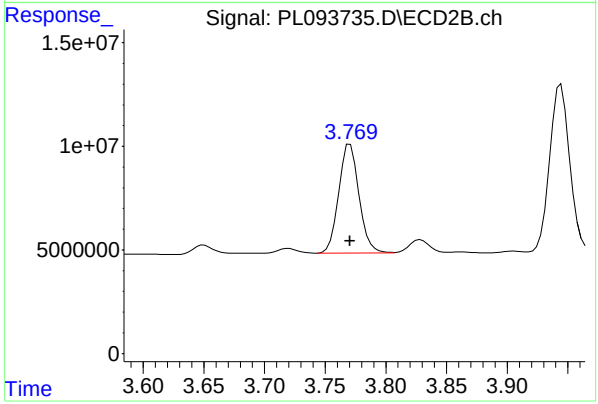
#1 Tetrachloro-m-xylene

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



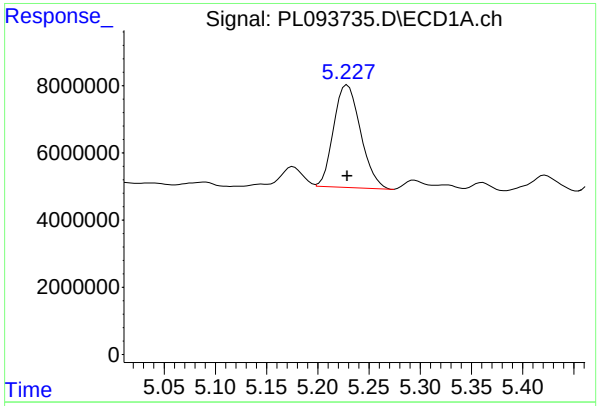
#23 Chlordane-1

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



#23 Chlordane-1

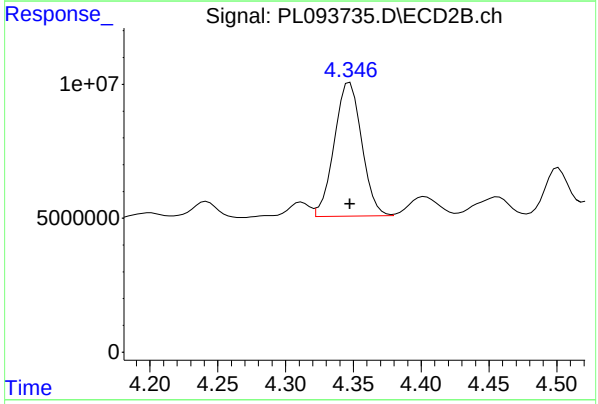
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

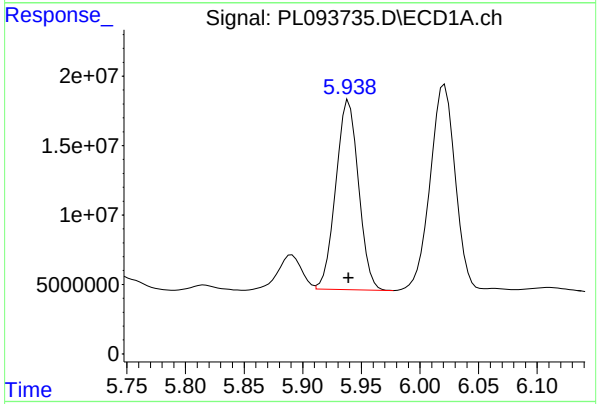
R.T.: 5.229 min
Delta R.T.: 0.000 mi
Response: 55911116
Conc: 500.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



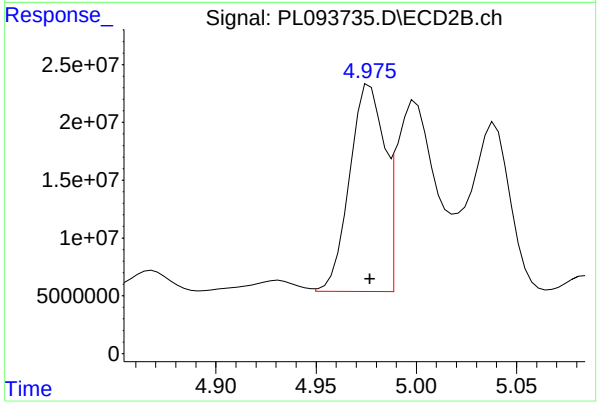
#24 Chlordane-2

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



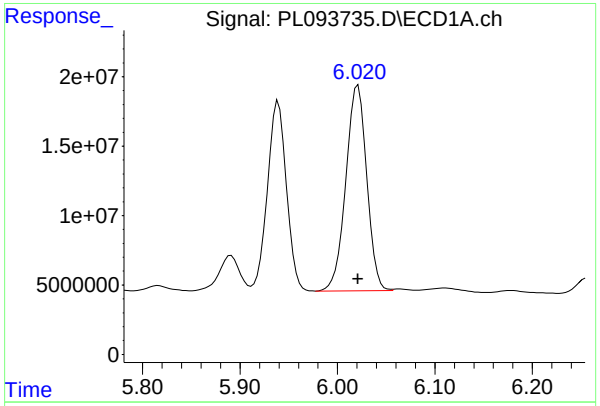
#25 Chlordane-3

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



#25 Chlordane-3

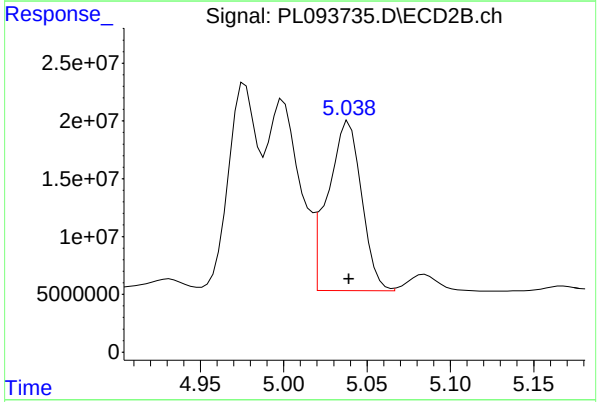
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

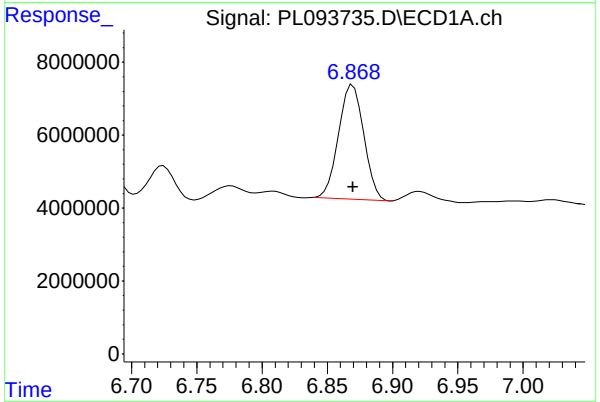
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



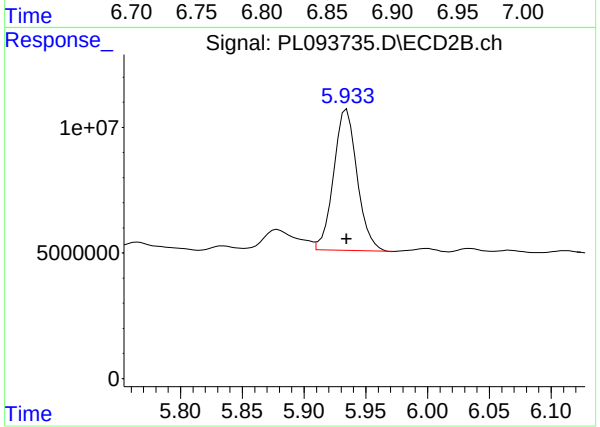
#26 Chlordane-4

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



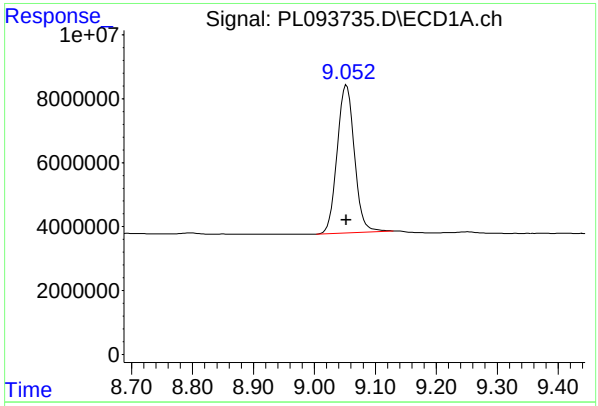
#27 Chlordane-5

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



#27 Chlordane-5

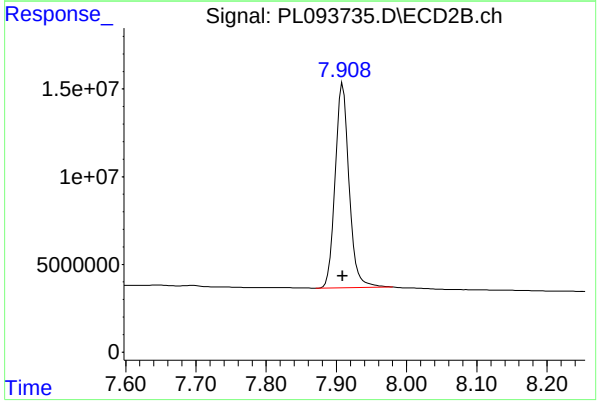
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 74355315
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

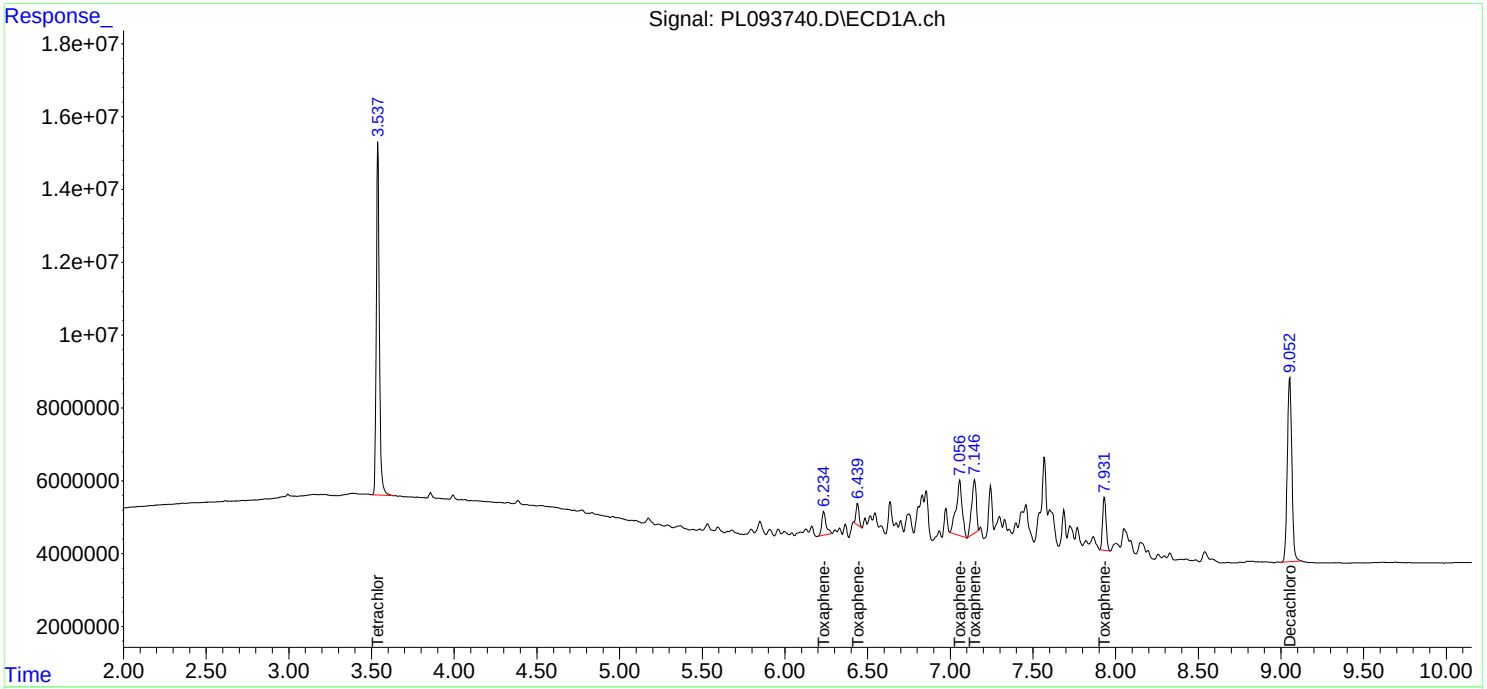
ICAL Form

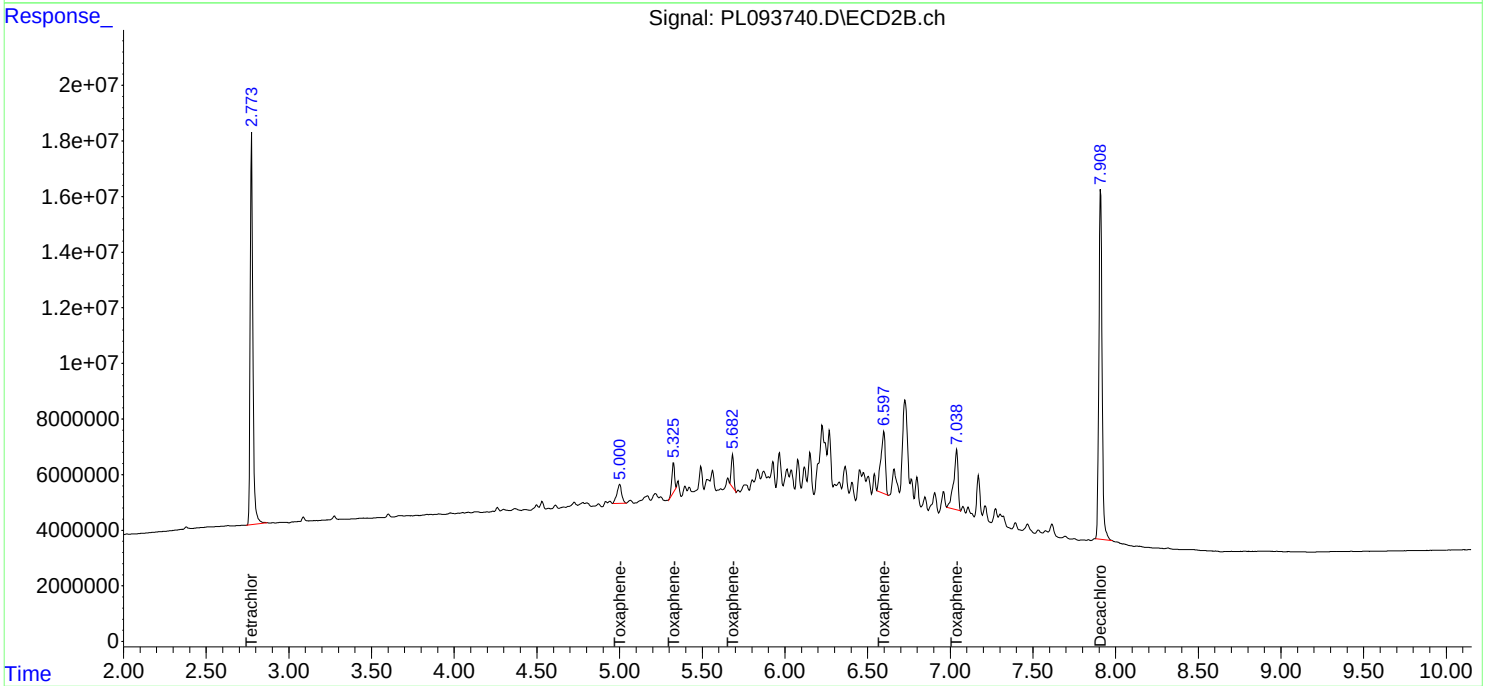
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

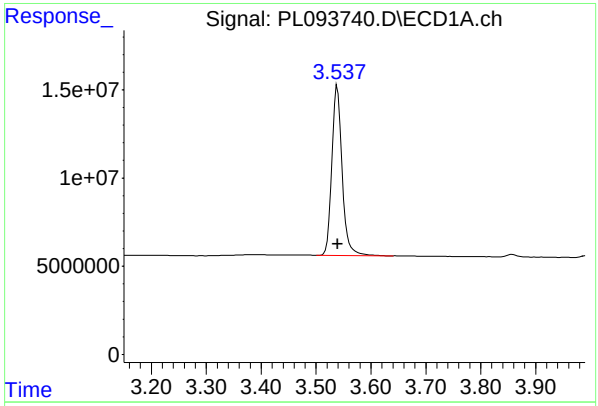
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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



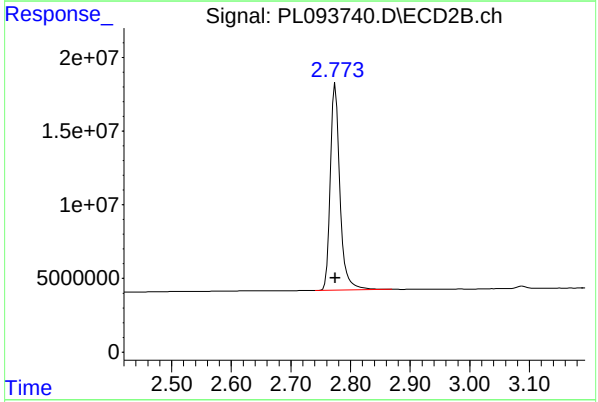




#1 Tetrachloro-m-xylene

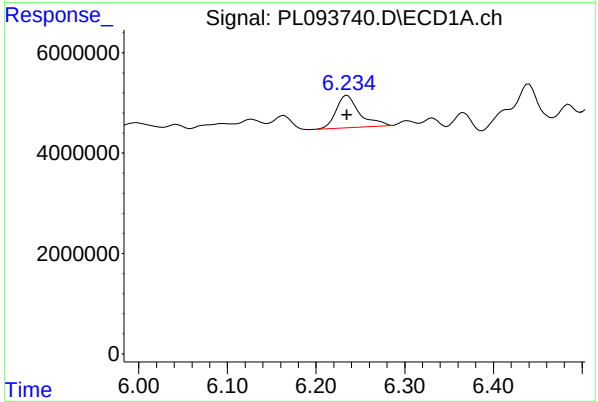
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



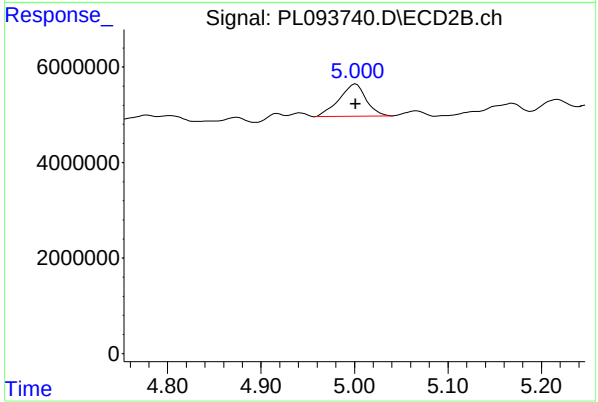
#1 Tetrachloro-m-xylene

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



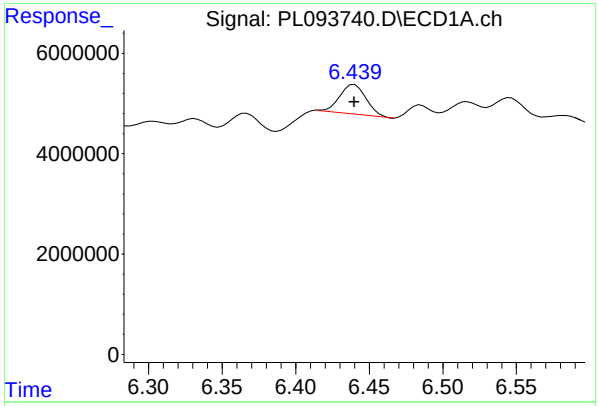
#2 Toxaphene-1

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



#2 Toxaphene-1

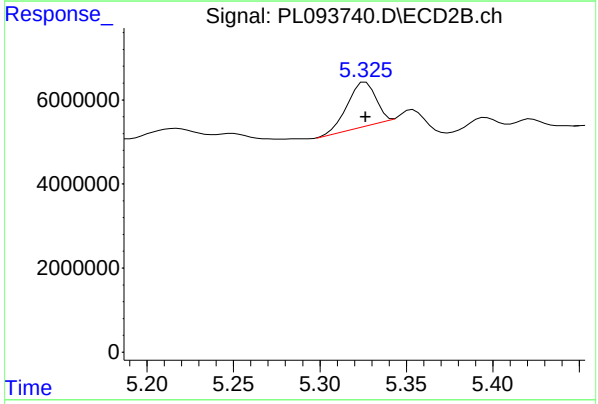
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

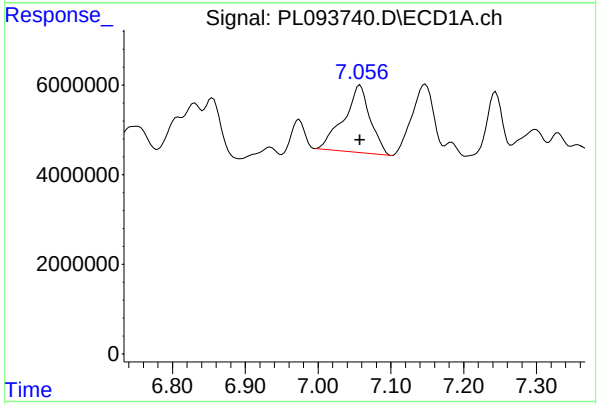
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



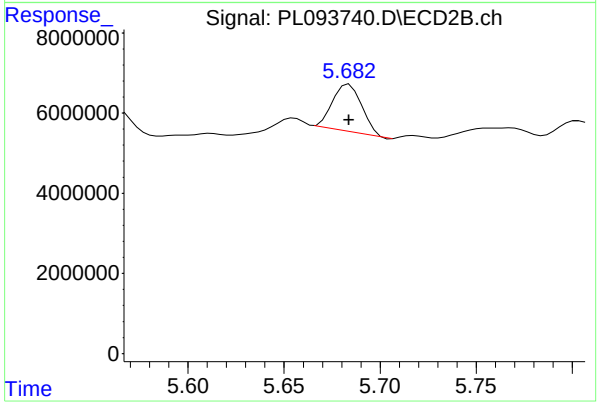
#3 Toxaphene-2

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



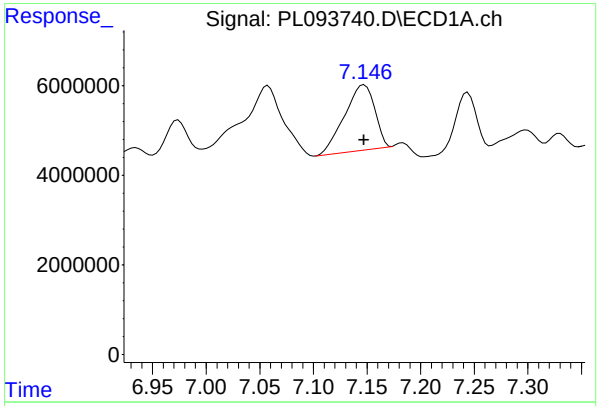
#4 Toxaphene-3

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



#4 Toxaphene-3

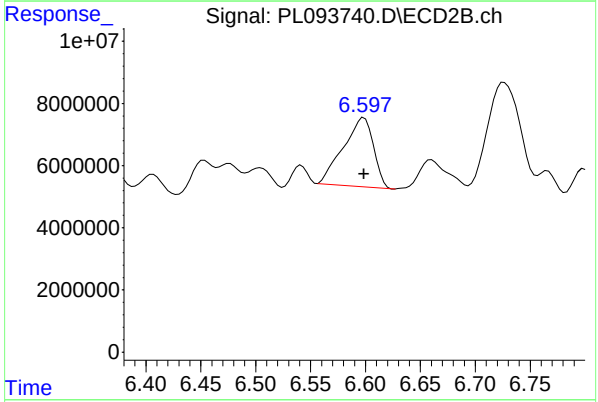
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

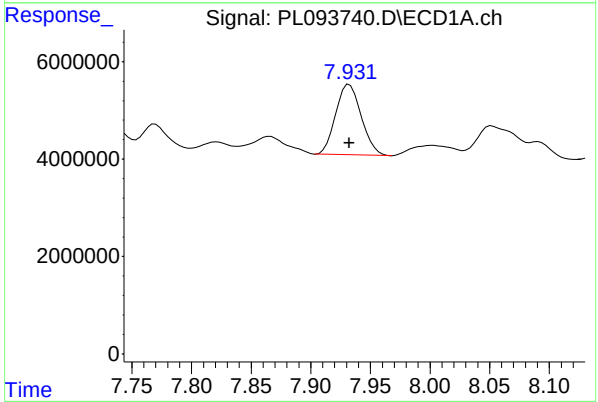
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



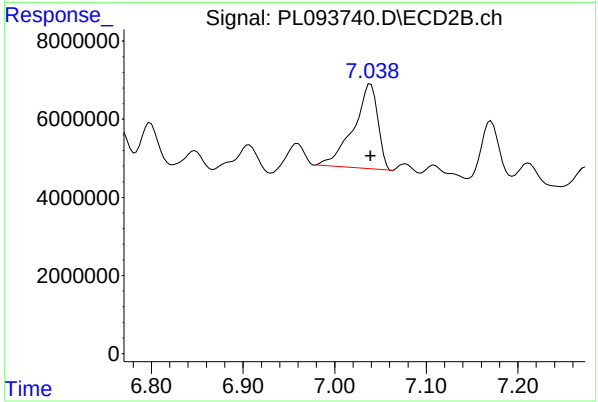
#5 Toxaphene-4

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



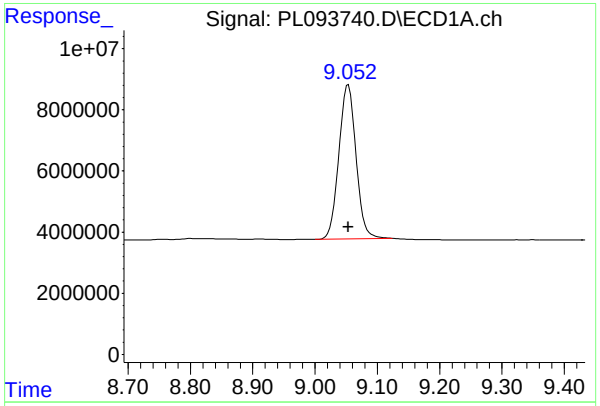
#6 Toxaphene-5

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



#6 Toxaphene-5

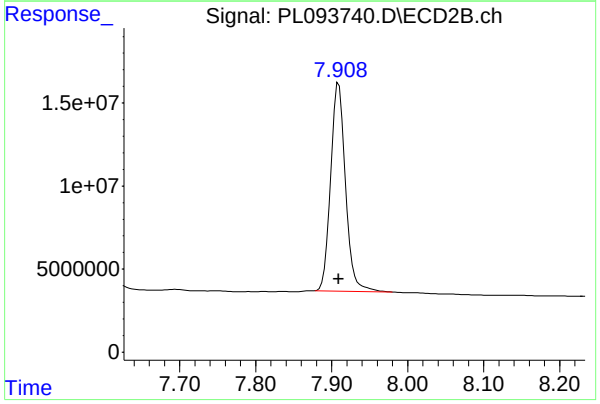
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#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)

ICAL Form

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.

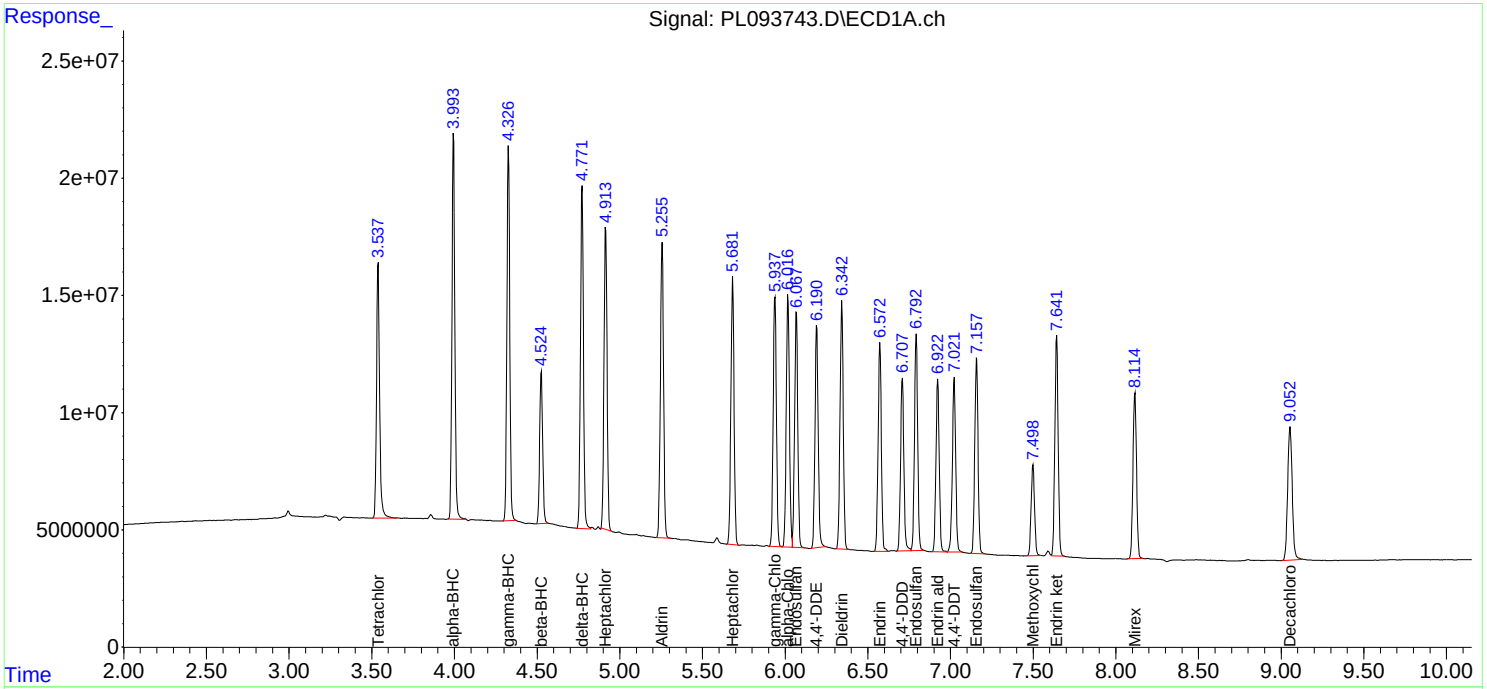
ICAL Form

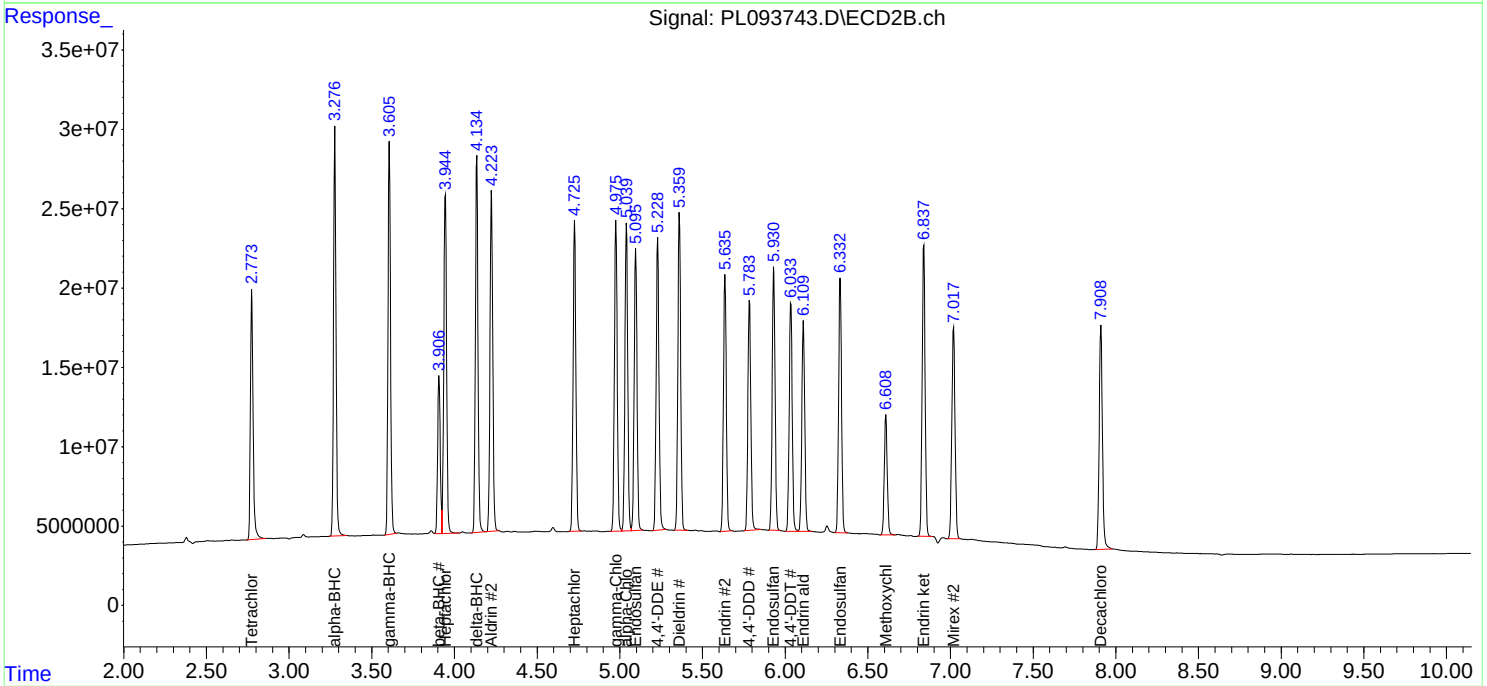
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

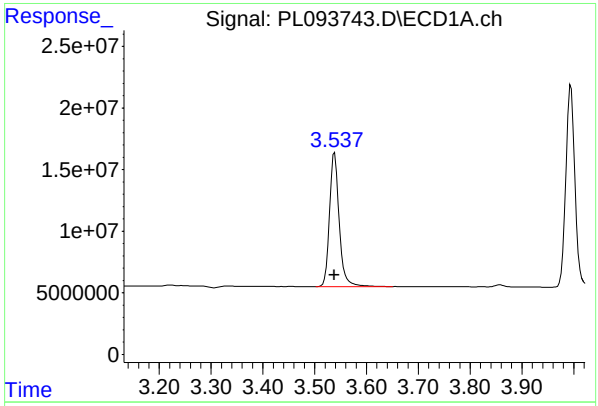
Instrument :
ECD_L
ClientSampleId :
ICVPL012125

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



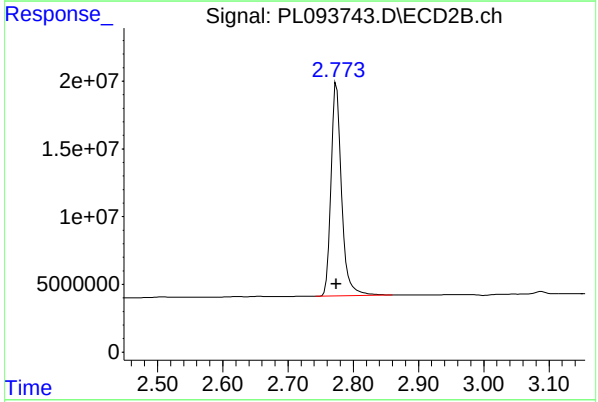




#1 Tetrachloro-m-xylene

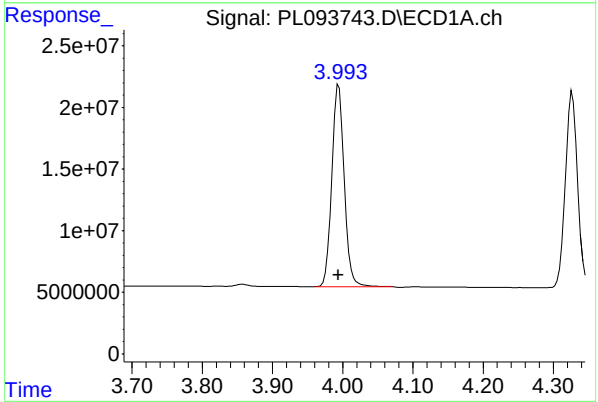
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



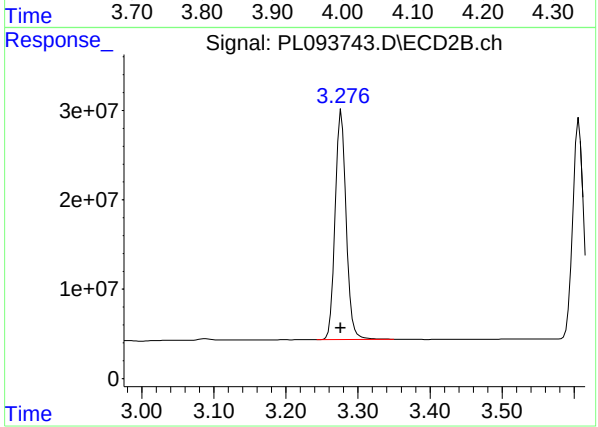
#1 Tetrachloro-m-xylene

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



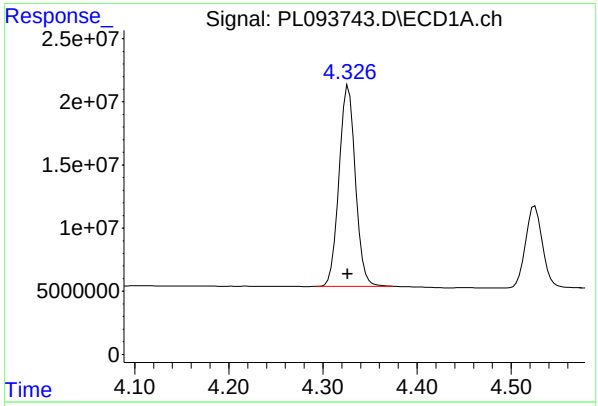
#2 alpha-BHC

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



#2 alpha-BHC

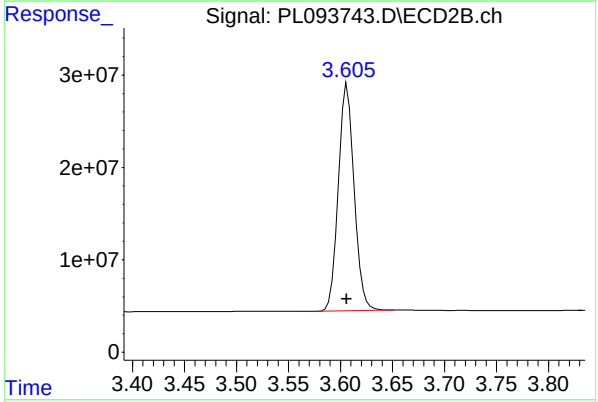
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

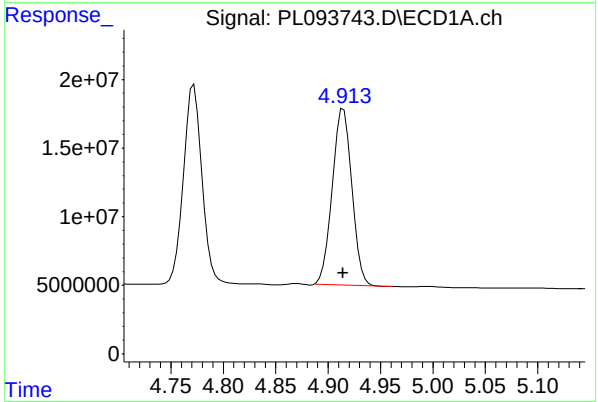
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



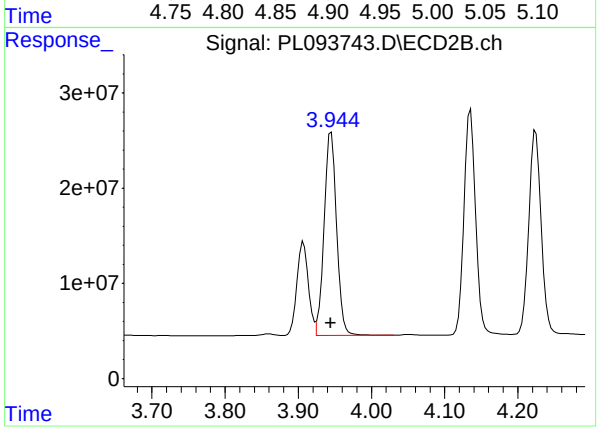
#3 gamma-BHC (Lindane)

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



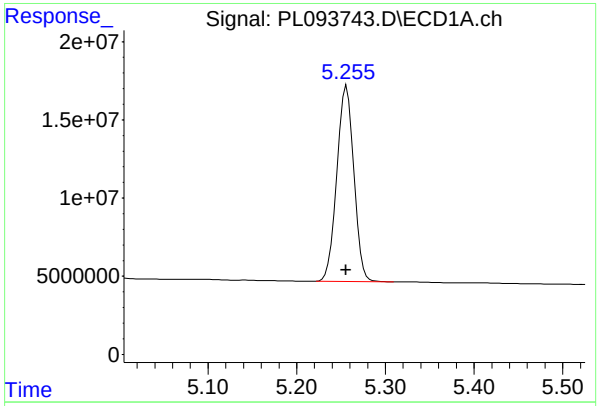
#4 Heptachlor

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



#4 Heptachlor

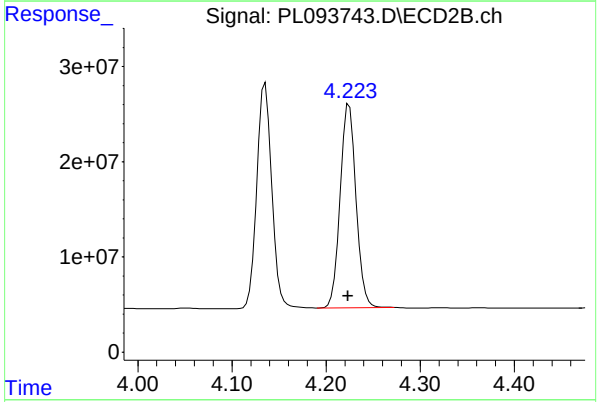
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

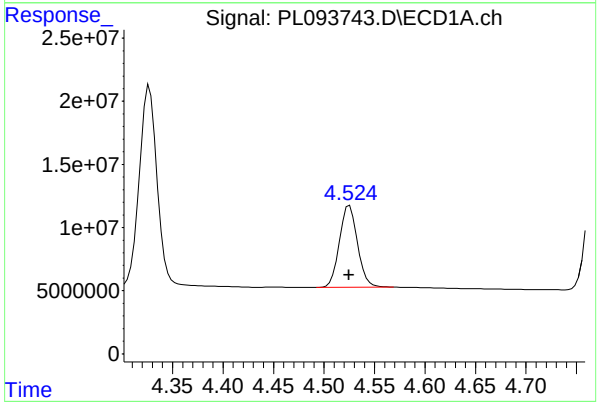
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



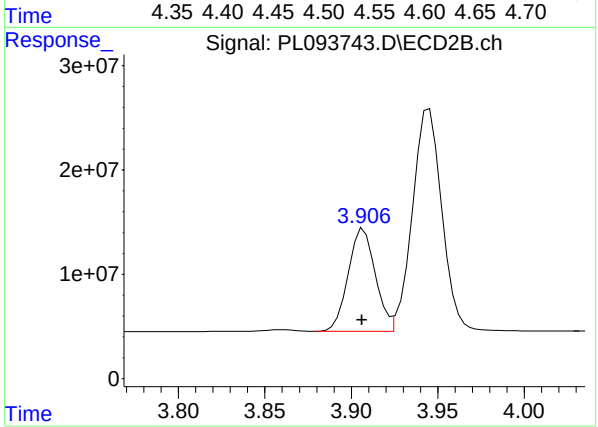
#5 Aldrin

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



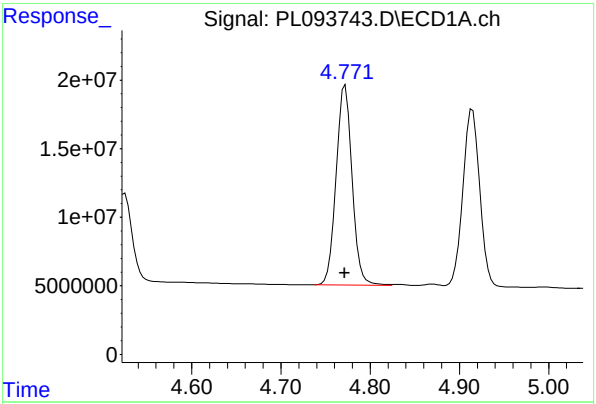
#6 beta-BHC

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



#6 beta-BHC

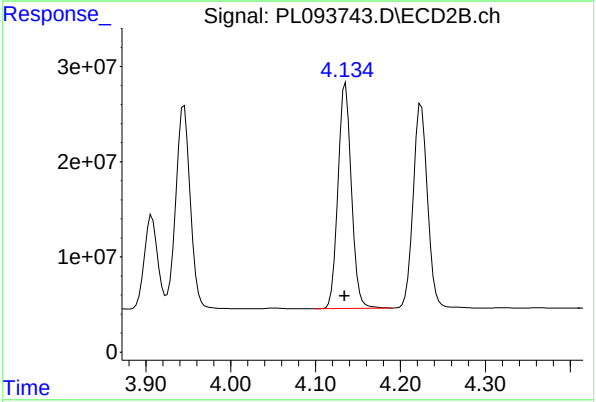
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

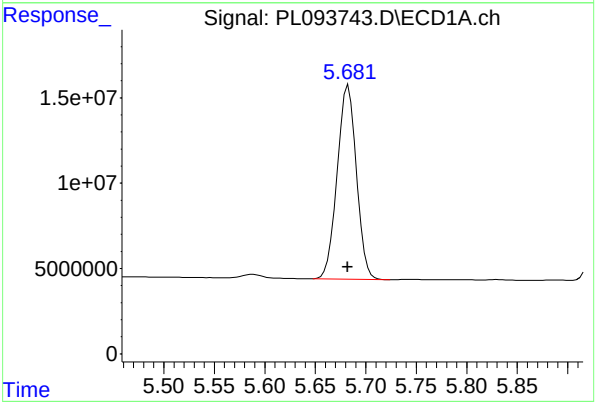
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



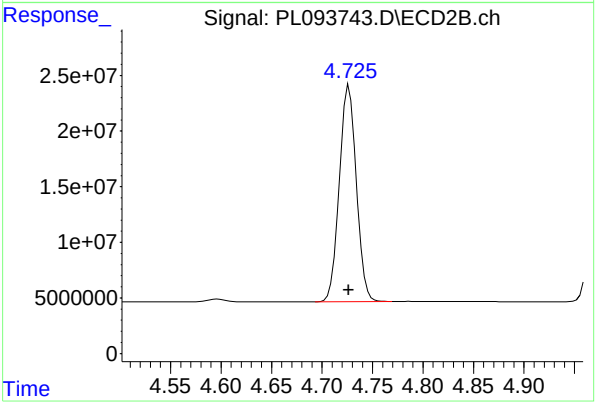
#7 delta-BHC

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



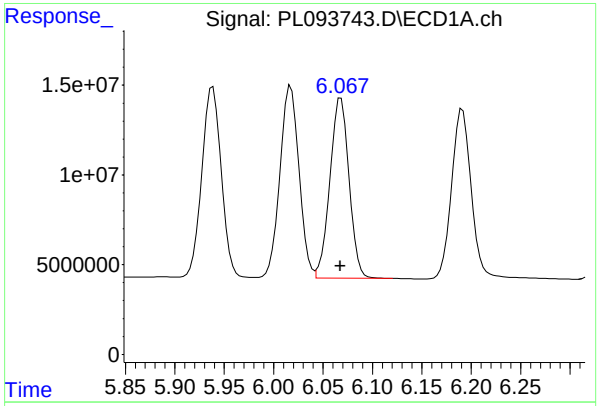
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

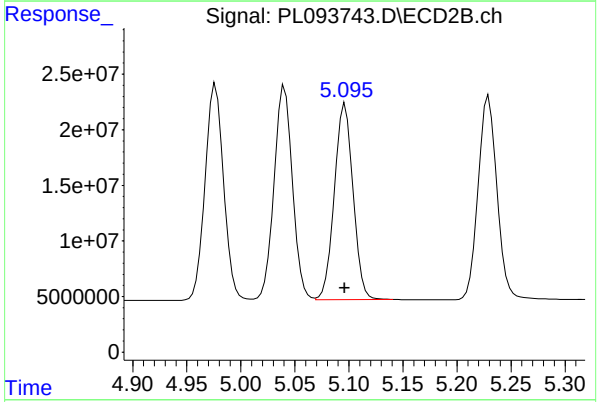
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

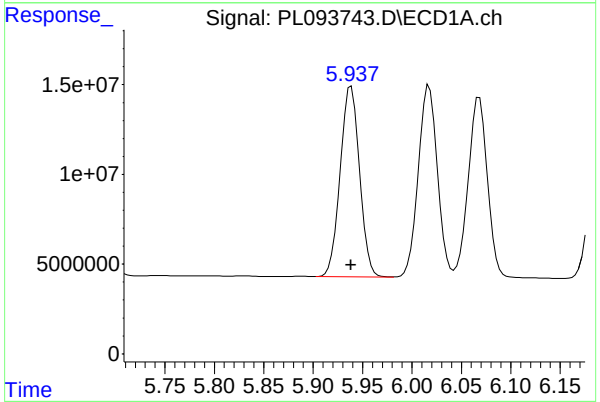
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



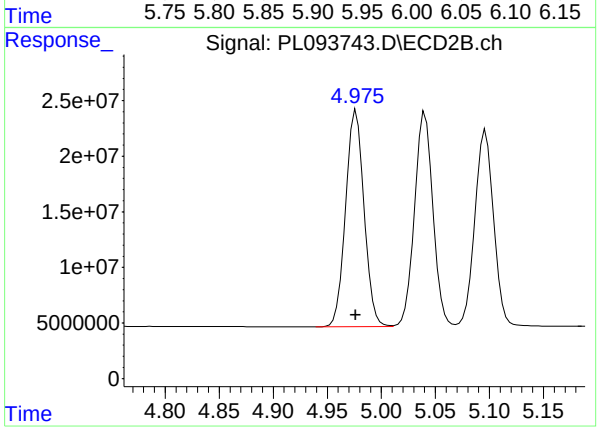
#9 Endosulfan I

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



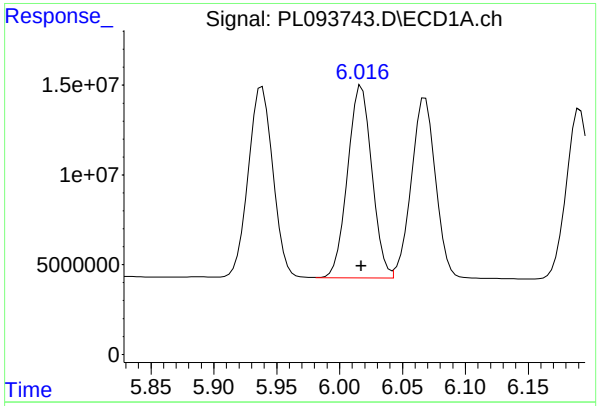
#10 gamma-Chlordane

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



#10 gamma-Chlordane

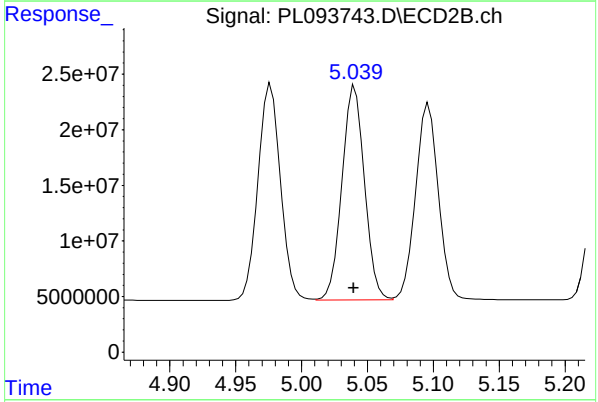
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

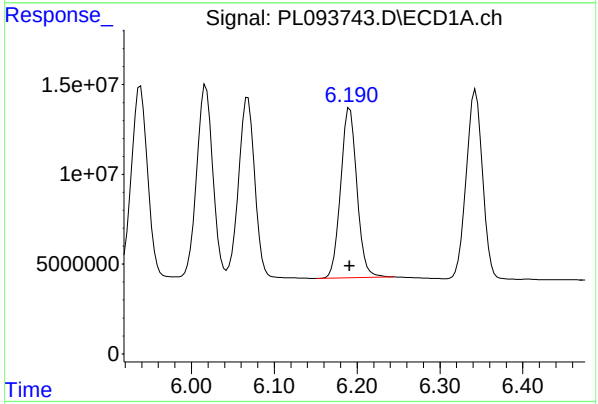
R.T.: 6.017 min
Delta R.T.: 0.000 mi
Response: 143803294
Conc: 51.57 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



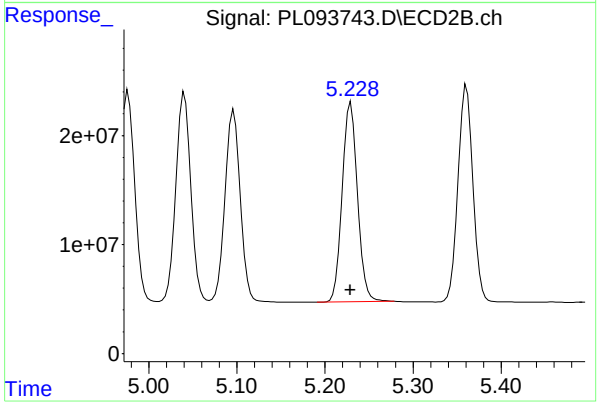
#11 alpha-Chlordane

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



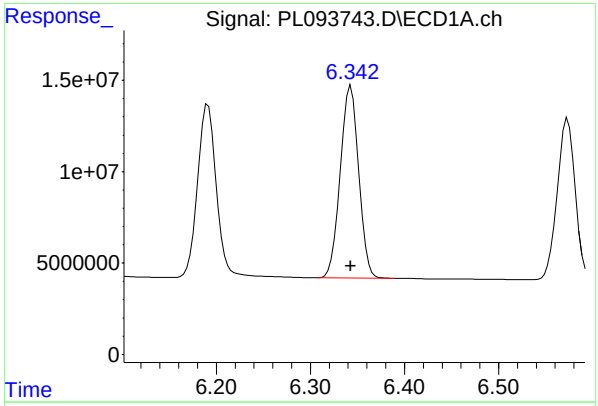
#12 4,4'-DDE

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



#12 4,4'-DDE

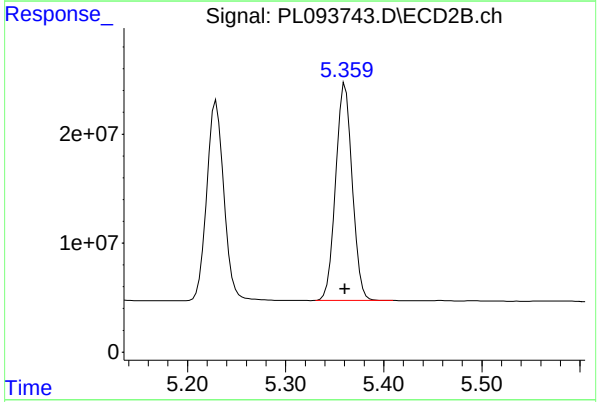
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

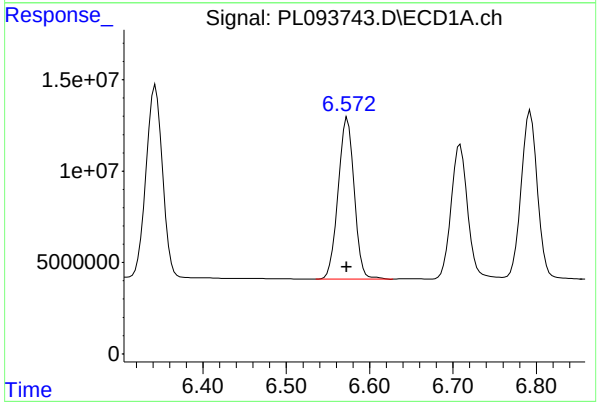
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



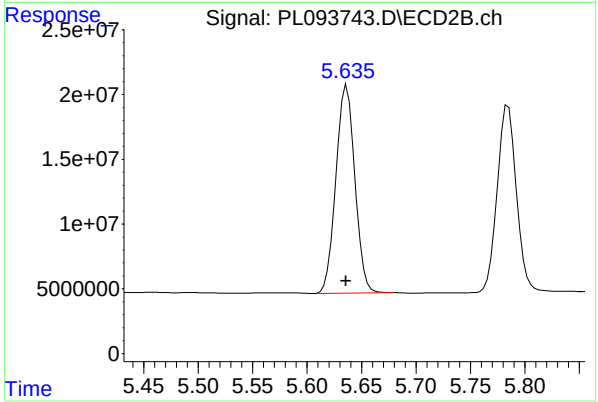
#13 Dieldrin

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



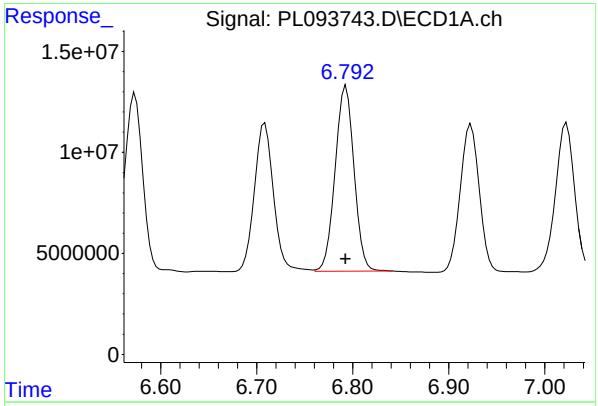
#14 Endrin

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



#14 Endrin

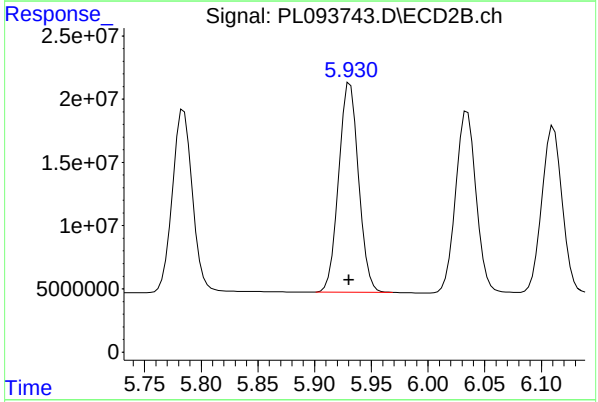
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

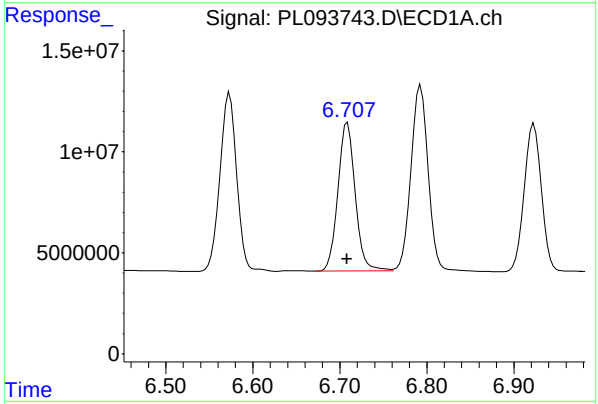
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



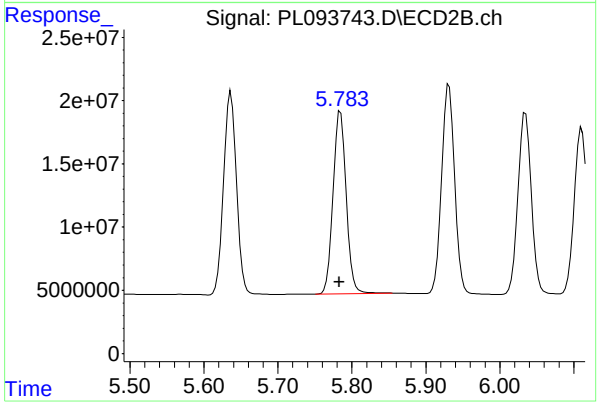
#15 Endosulfan II

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



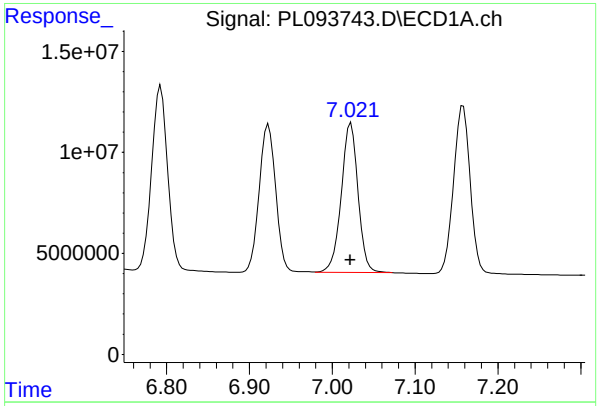
#16 4,4'-DDD

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



#16 4,4'-DDD

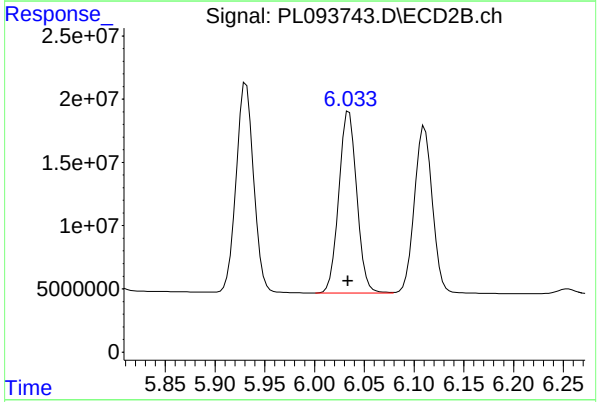
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

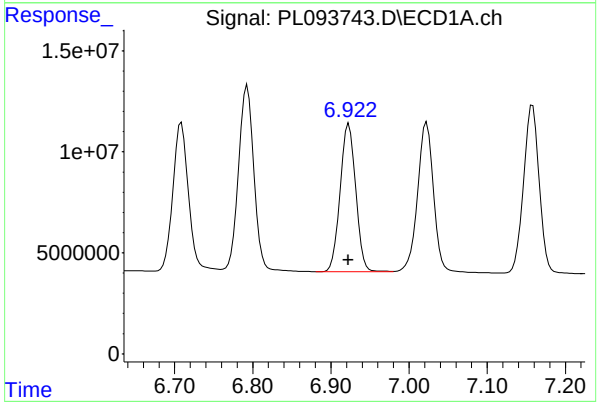
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



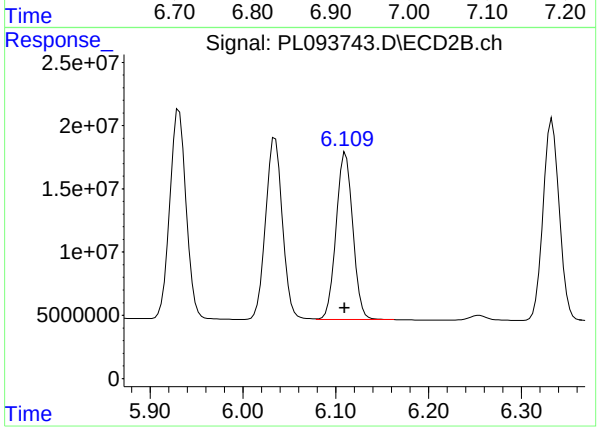
#17 4,4'-DDT

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



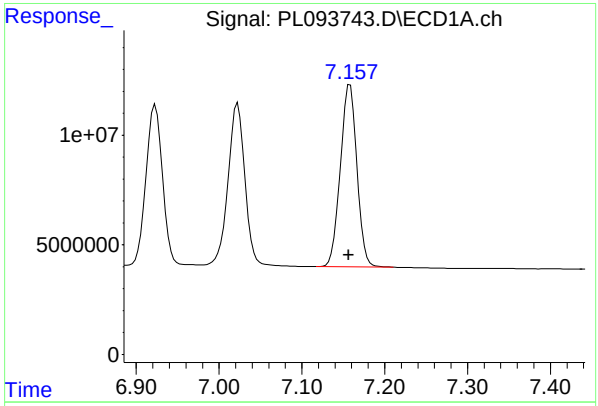
#18 Endrin aldehyde

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



#18 Endrin aldehyde

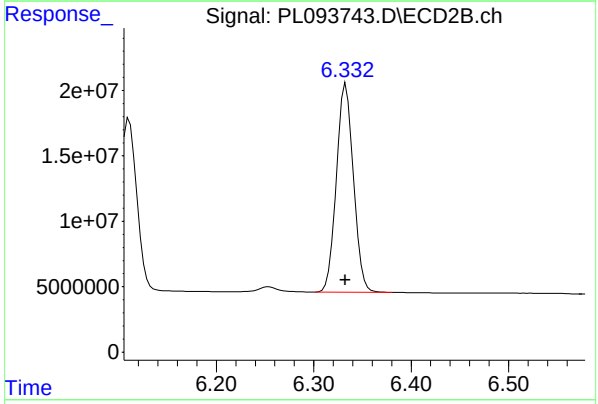
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

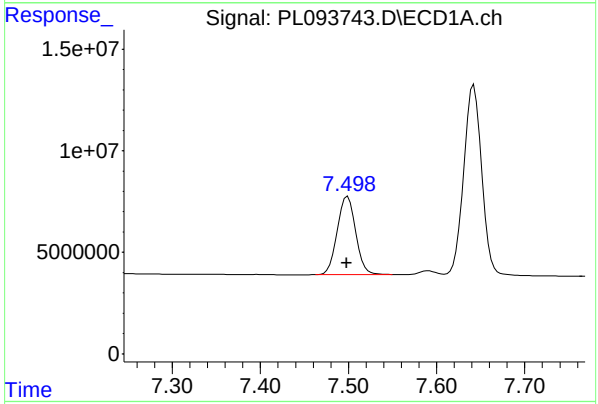
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



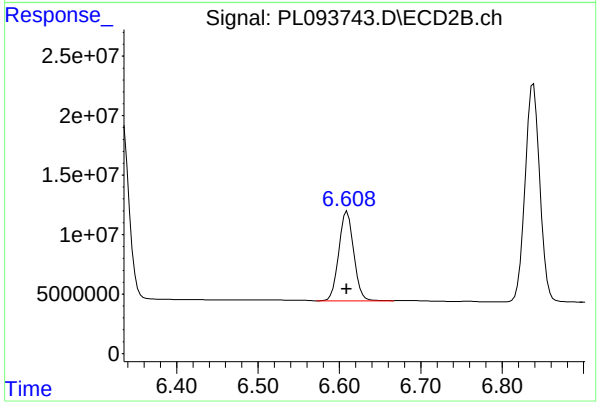
#19 Endosulfan Sulfate

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



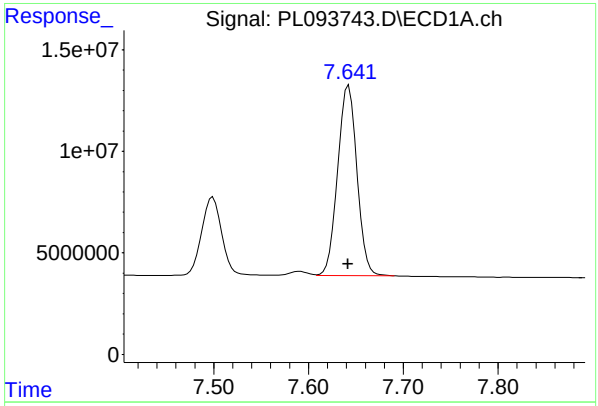
#20 Methoxychlor

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



#20 Methoxychlor

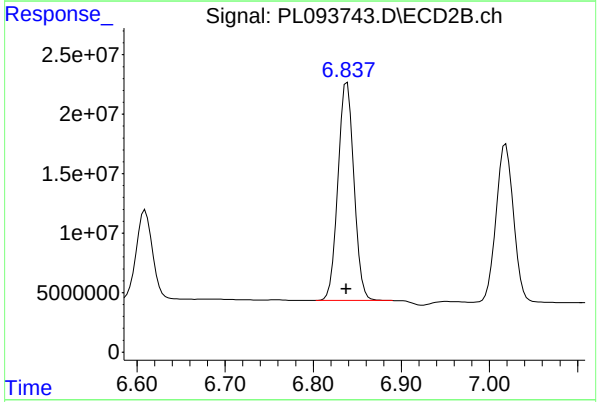
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

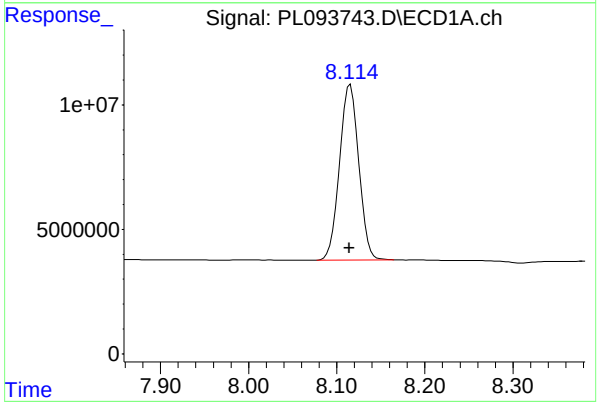
R.T.: 7.642 min
Delta R.T.: 0.000 mi
Response: 132246340
Conc: 52.42 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



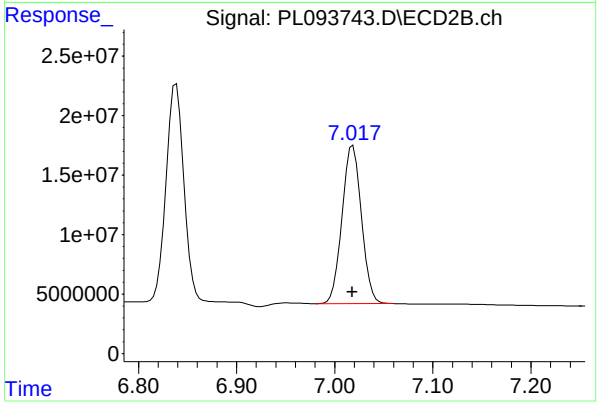
#21 Endrin ketone

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



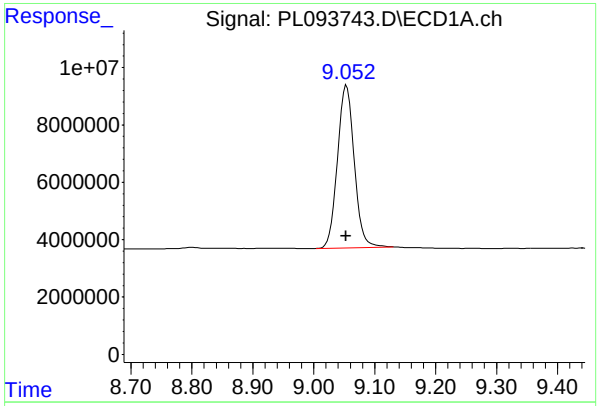
#22 Mirex

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



#22 Mirex

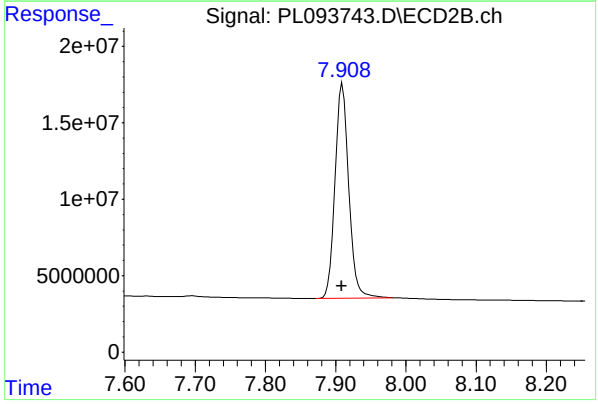
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 182637497
Conc: 54.00 ng/ml



#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

Raw Data: **PL094001.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data: **PL094001.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Raw Data: **PL094001.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL01 **Date Analyzed:** 02/03/2025

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

Raw Data: **PL094001.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL01 **Date Analyzed:** 02/03/2025

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)

Sample Results: **PL094001.D**

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

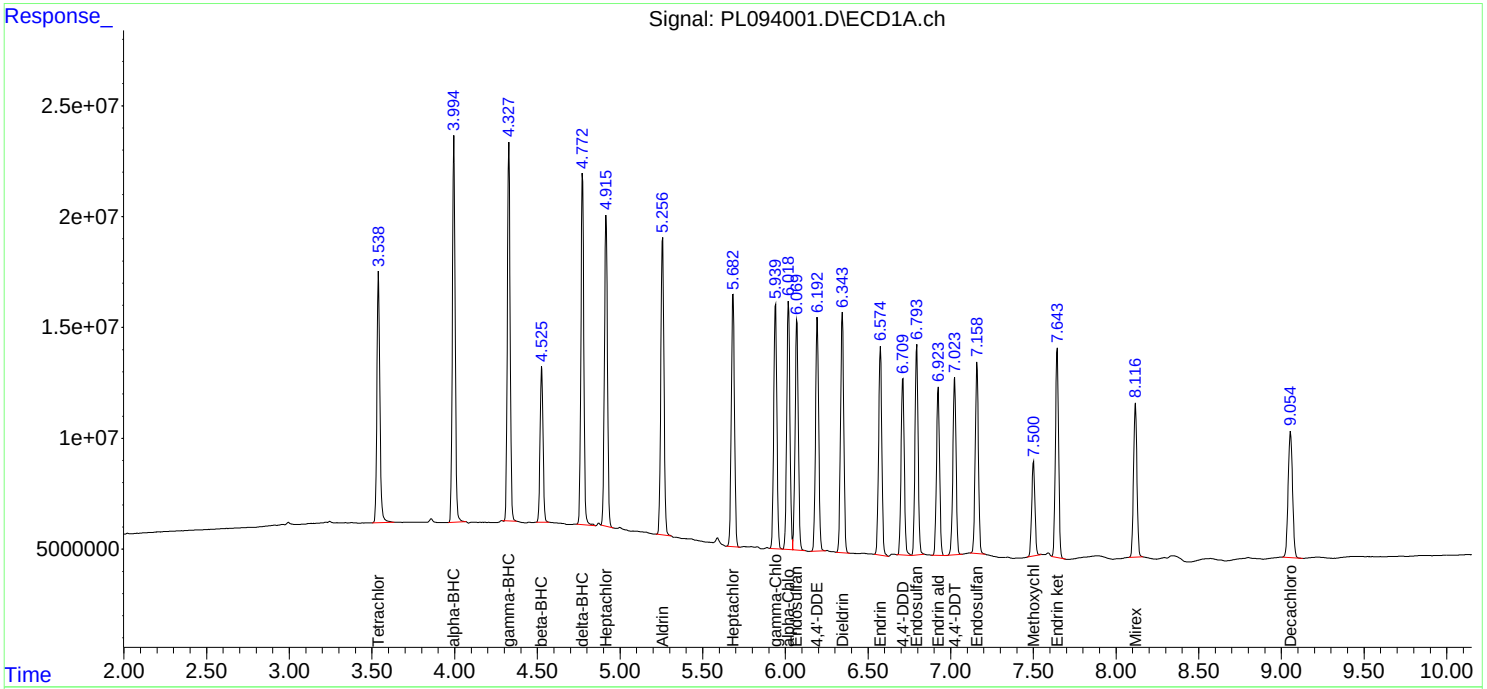
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

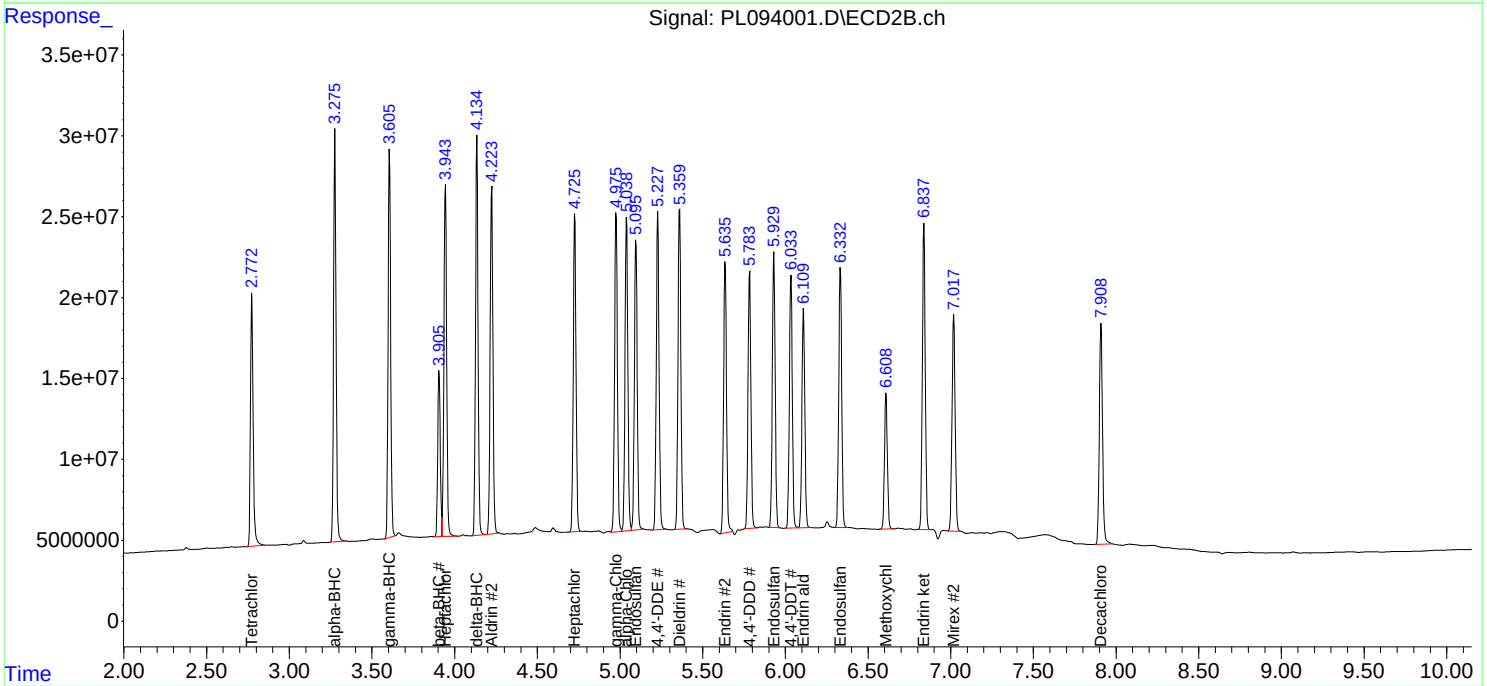
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

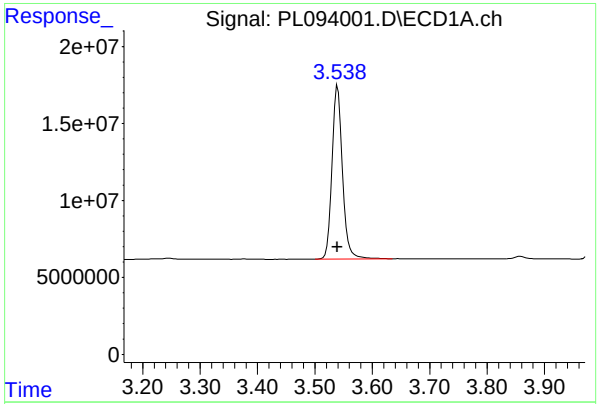
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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



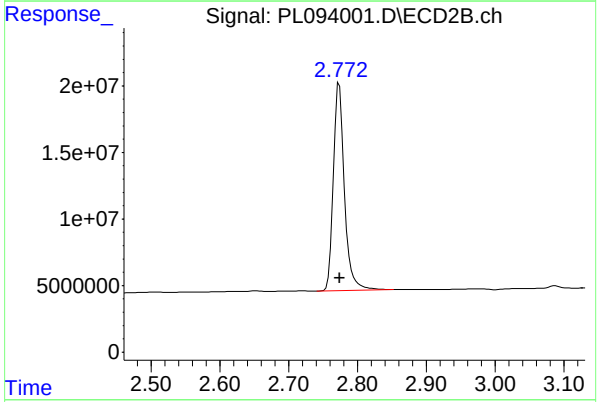




#1 Tetrachloro-m-xylene

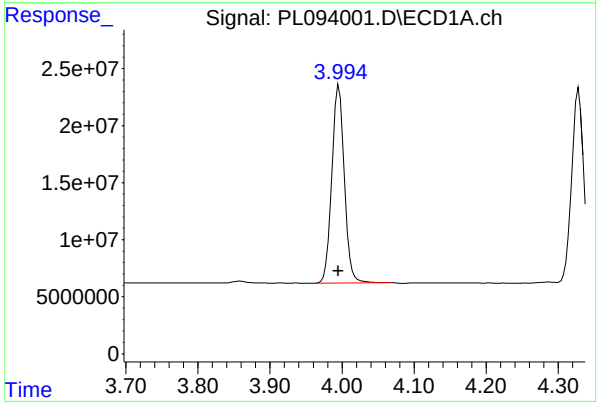
R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 142390017
Conc: 52.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



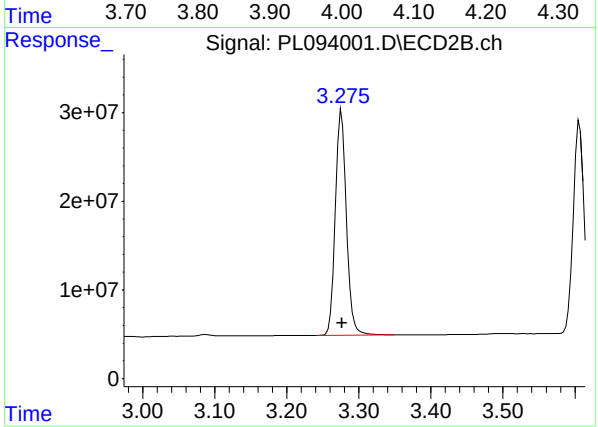
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 174795411
Conc: 53.55 ng/ml



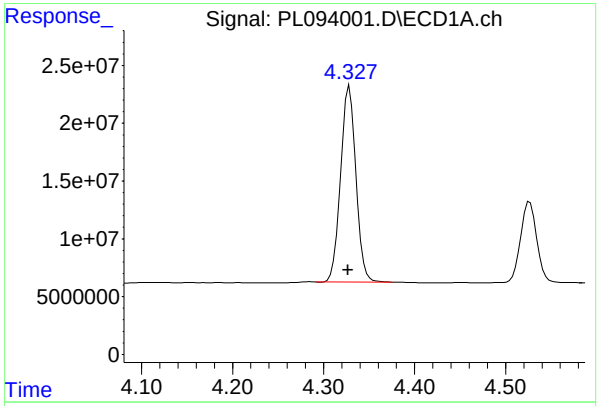
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.001 min
Response: 207090313
Conc: 54.02 ng/ml



#2 alpha-BHC

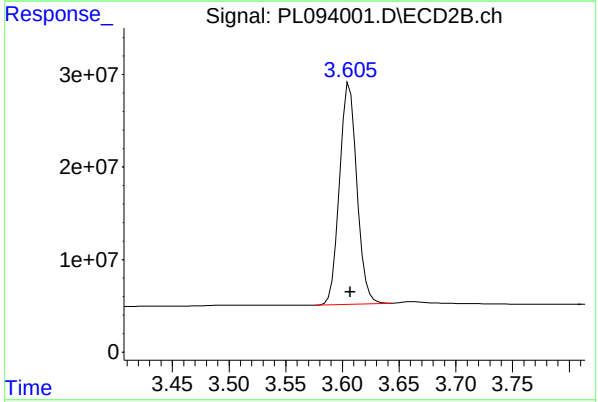
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 268686101
Conc: 54.96 ng/ml



#3 gamma-BHC (Lindane)

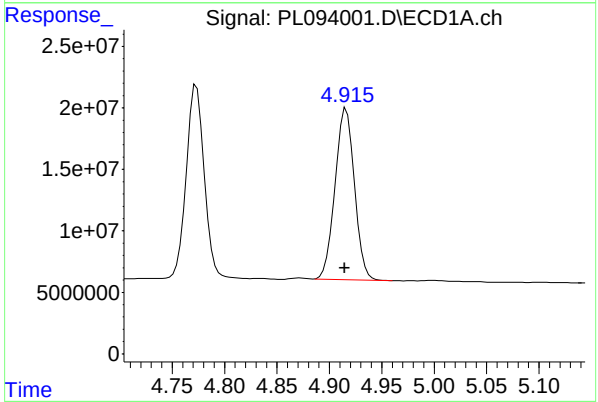
R.T.: 4.328 min
Delta R.T.: 0.001 min
Response: 198049916
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



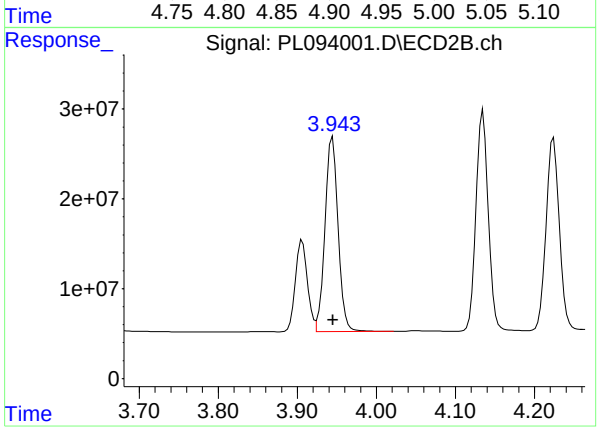
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 253902885
Conc: 53.55 ng/ml



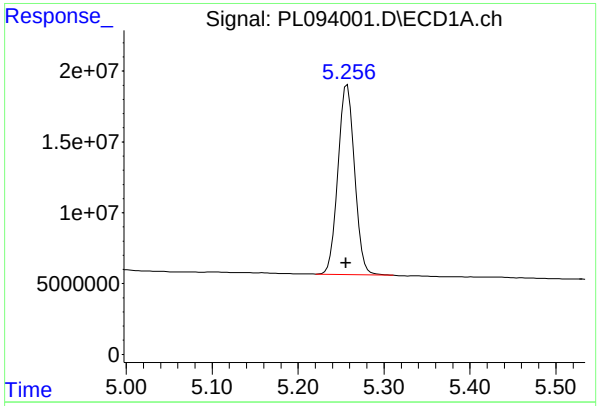
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 178981188
Conc: 54.61 ng/ml



#4 Heptachlor

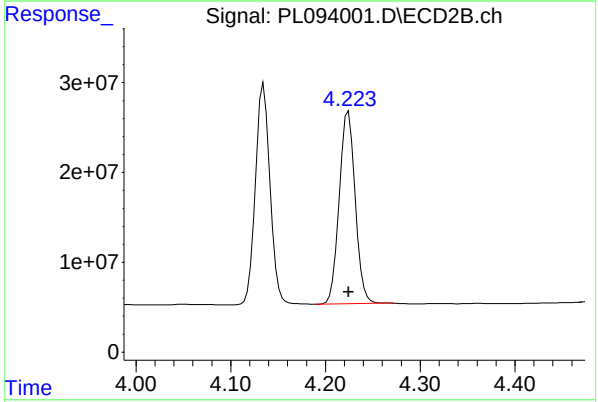
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 249940544
Conc: 53.70 ng/ml



#5 Aldrin

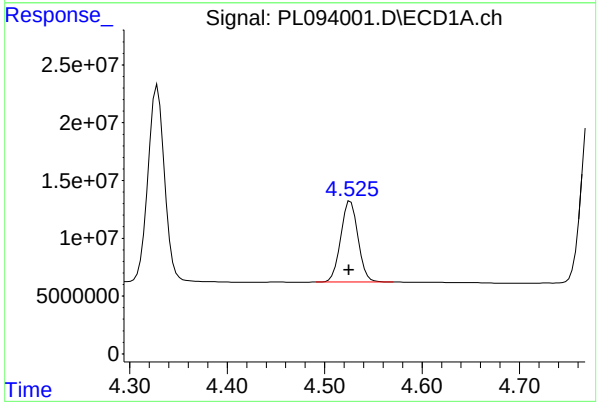
R.T.: 5.257 min
Delta R.T.: 0.002 min
Response: 179328942
Conc: 54.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



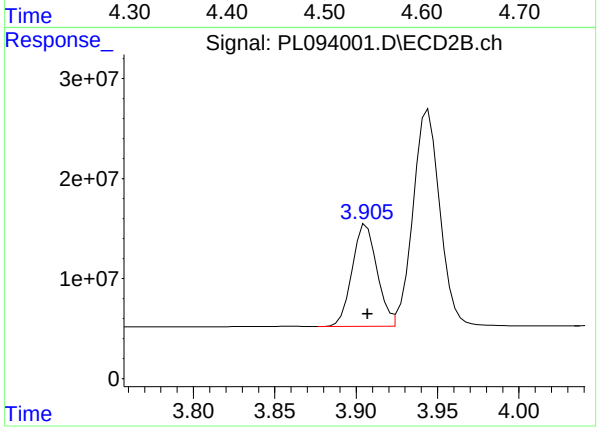
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 249861418
Conc: 54.77 ng/ml



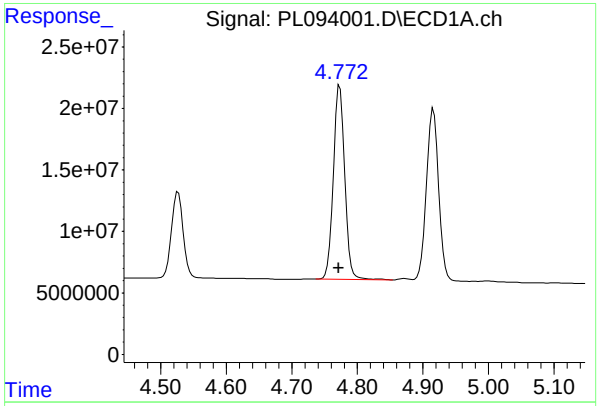
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.001 min
Response: 86408989
Conc: 53.76 ng/ml



#6 beta-BHC

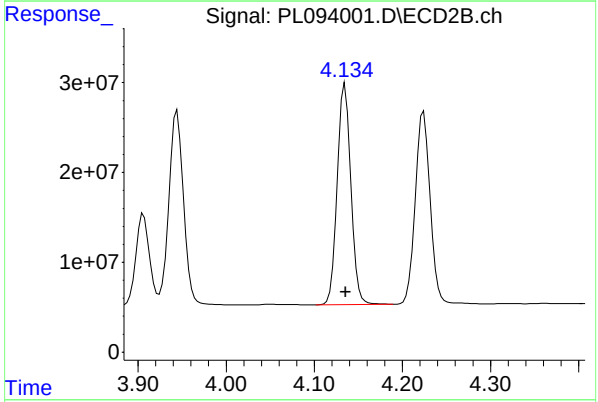
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 108161323
Conc: 54.15 ng/ml



#7 delta-BHC

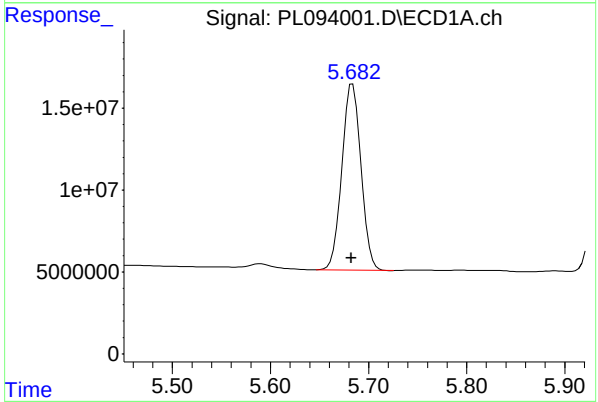
R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 190733339
Conc: 54.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



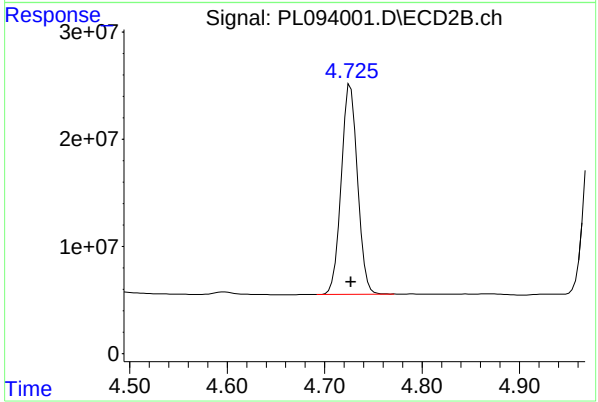
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 264486359
Conc: 55.67 ng/ml



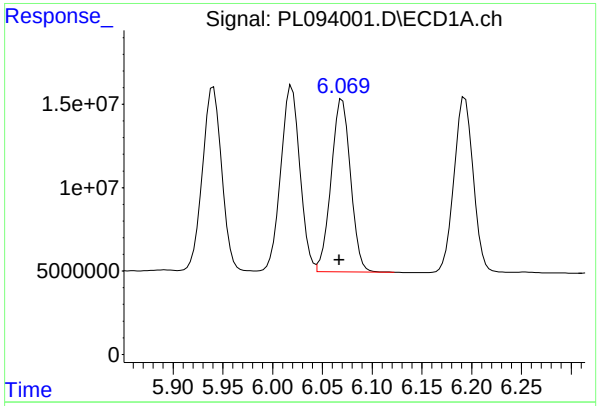
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 153951547
Conc: 51.77 ng/ml



#8 Heptachlor epoxide

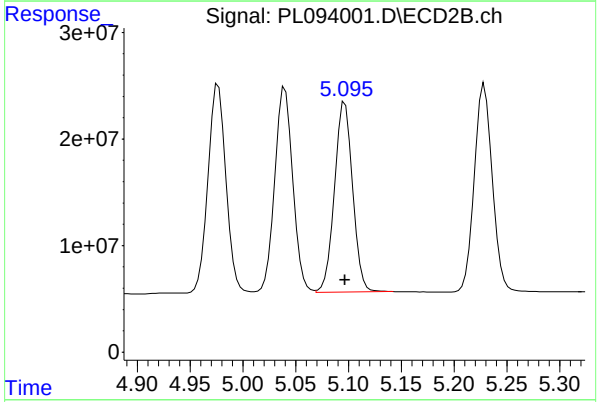
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 227083635
Conc: 54.32 ng/ml



#9 Endosulfan I

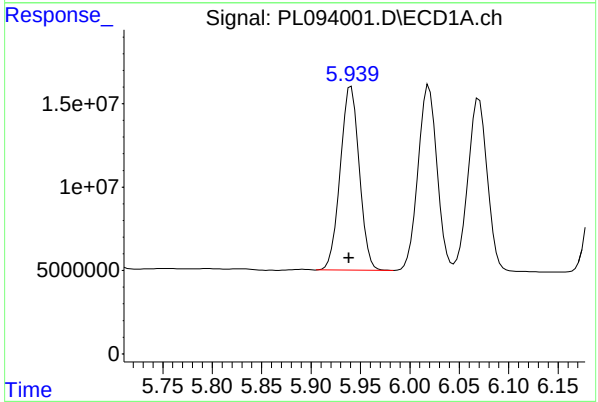
R.T.: 6.070 min
Delta R.T.: 0.003 min
Response: 140618332
Conc: 53.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



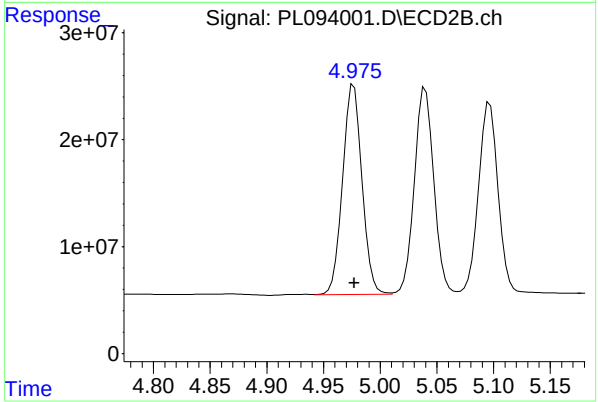
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 212883859
Conc: 54.91 ng/ml



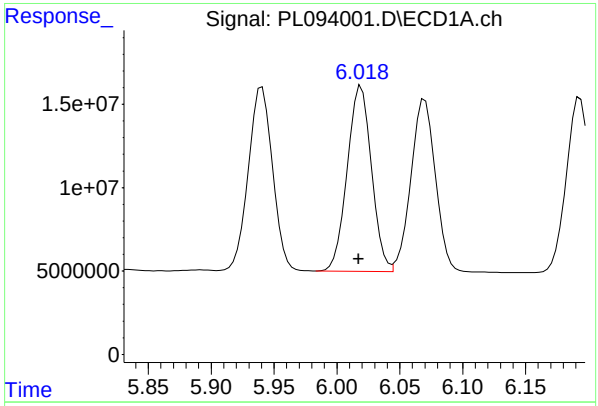
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.002 min
Response: 147654356
Conc: 52.97 ng/ml



#10 gamma-Chlordane

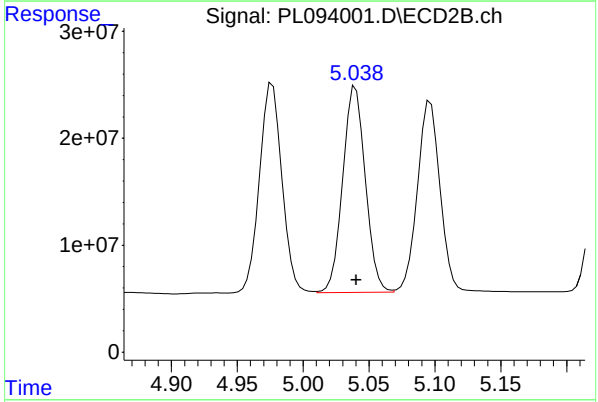
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 233500760
Conc: 55.10 ng/ml



#11 alpha-Chlordane

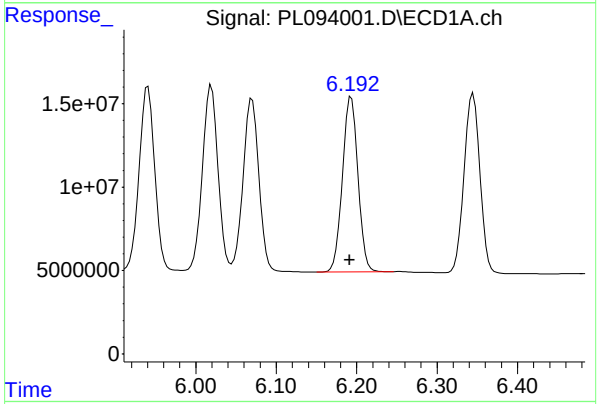
R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 149005234
Conc: 53.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



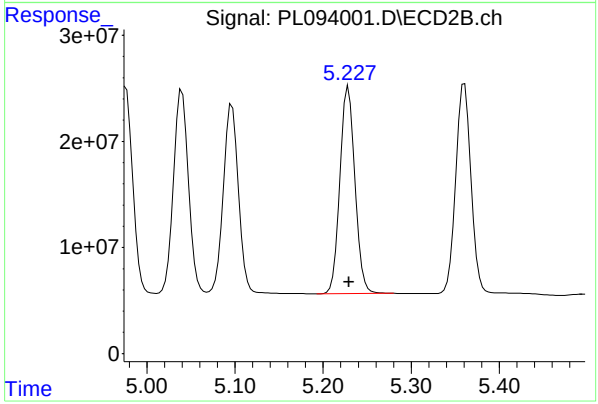
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 229656892
Conc: 54.86 ng/ml



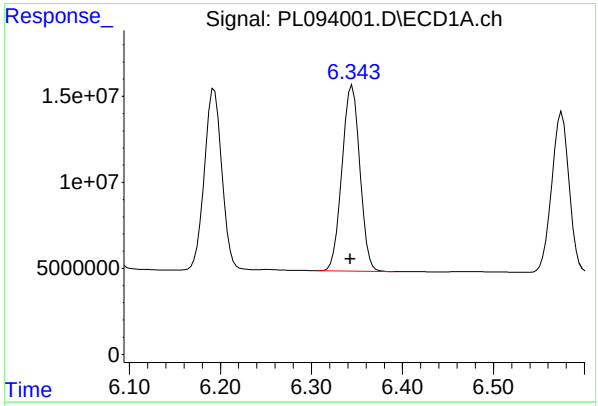
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 140722943
Conc: 57.80 ng/ml



#12 4,4'-DDE

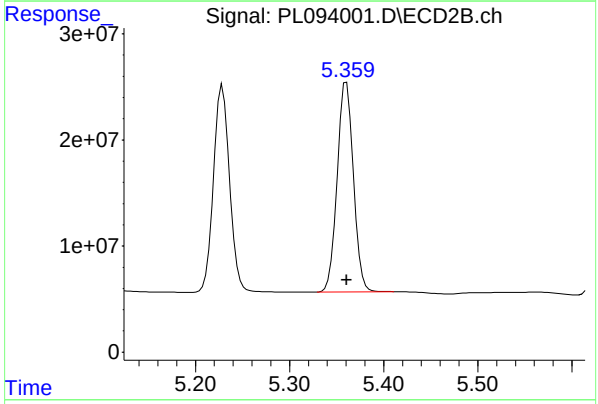
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 231747614
Conc: 57.80 ng/ml



#13 Dieldrin

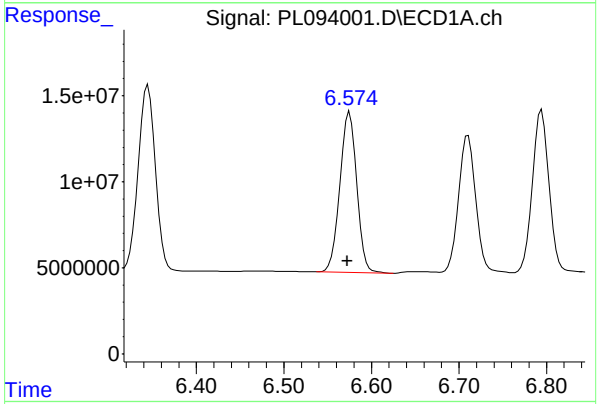
R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 147876376
Conc: 53.27 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



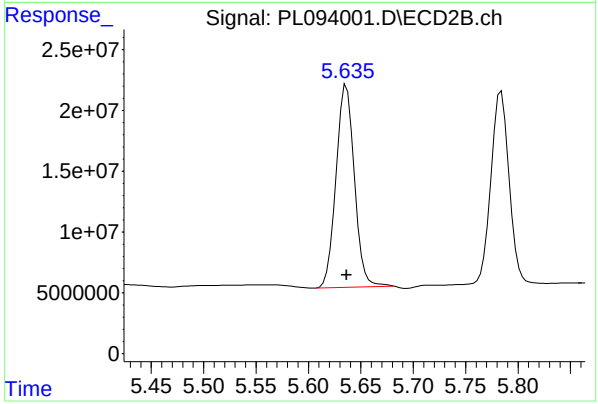
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 237435244
Conc: 55.27 ng/ml



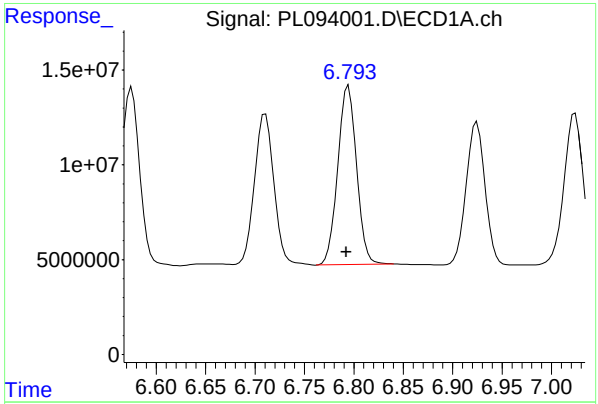
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 125012723
Conc: 53.31 ng/ml



#14 Endrin

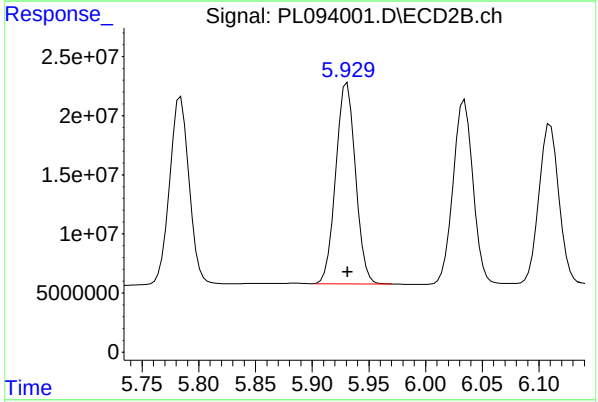
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 203437660
Conc: 55.09 ng/ml



#15 Endosulfan II

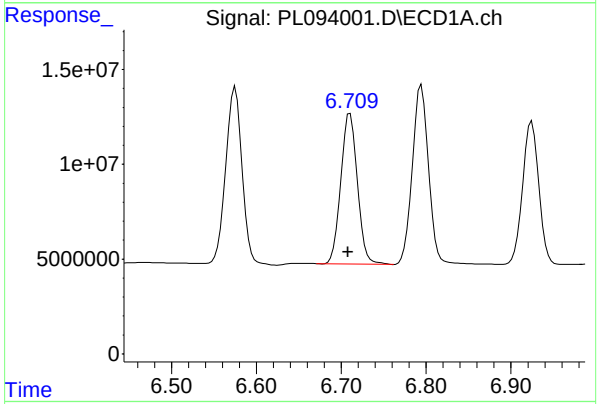
R.T.: 6.795 min
Delta R.T.: 0.002 min
Response: 124580483
Conc: 51.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



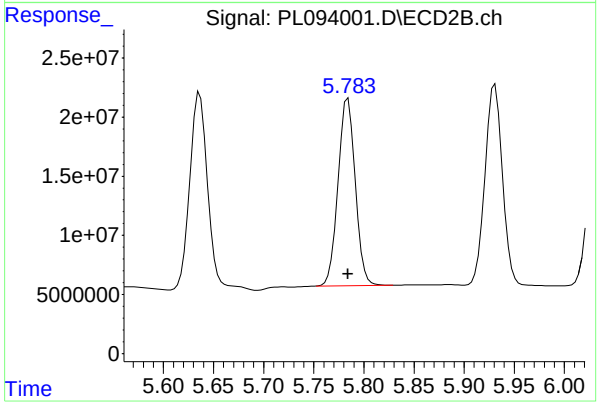
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 204986277
Conc: 55.34 ng/ml



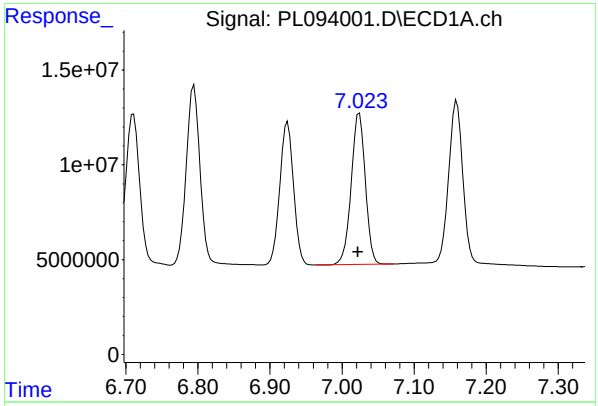
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 108258974
Conc: 56.96 ng/ml



#16 4,4'-DDD

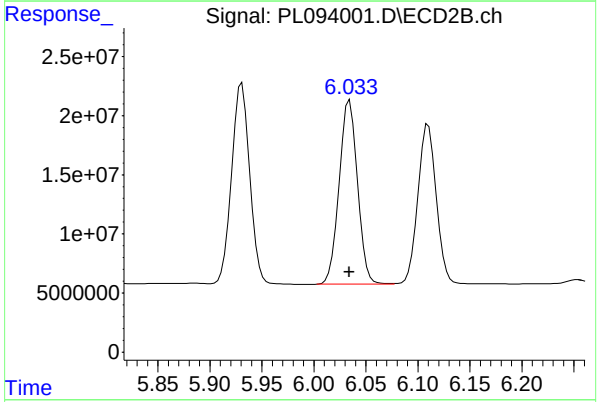
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 189378885
Conc: 60.00 ng/ml



#17 4,4'-DDT

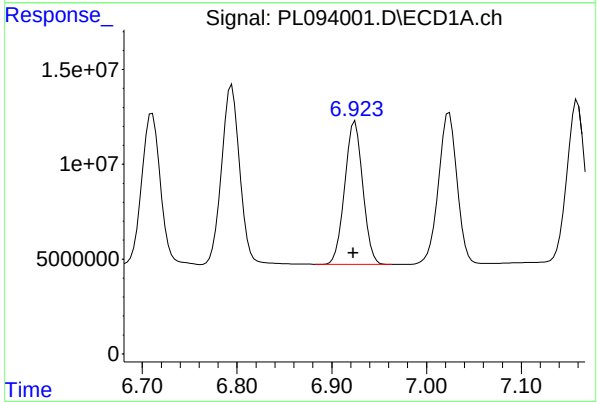
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 108680870
Conc: 55.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



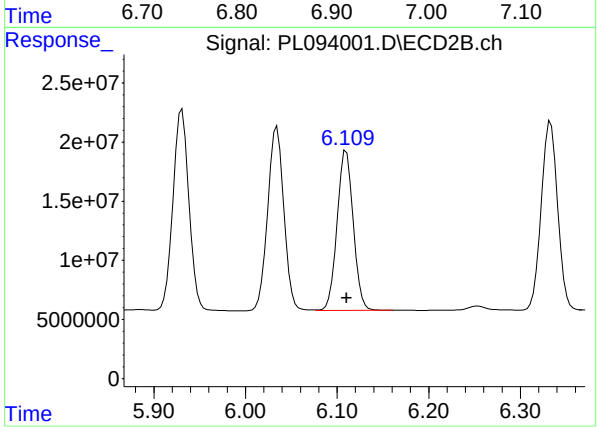
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 191139676
Conc: 58.74 ng/ml



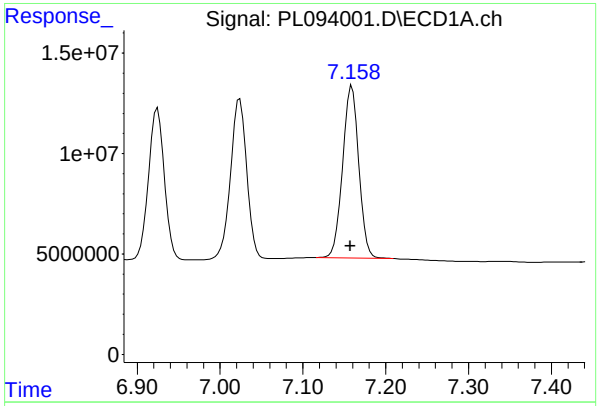
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 99968539
Conc: 51.42 ng/ml



#18 Endrin aldehyde

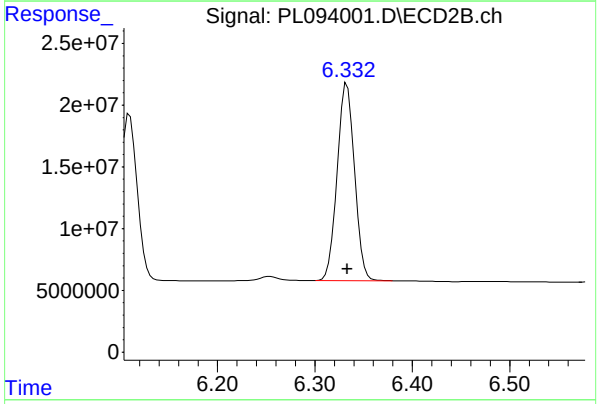
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 166143954
Conc: 54.57 ng/ml



#19 Endosulfan Sulfate

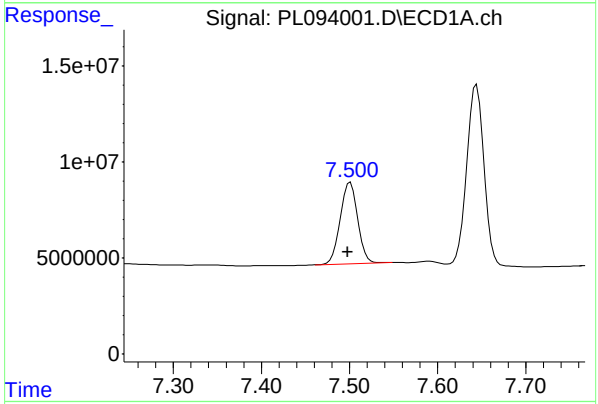
R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 116288904
Conc: 51.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



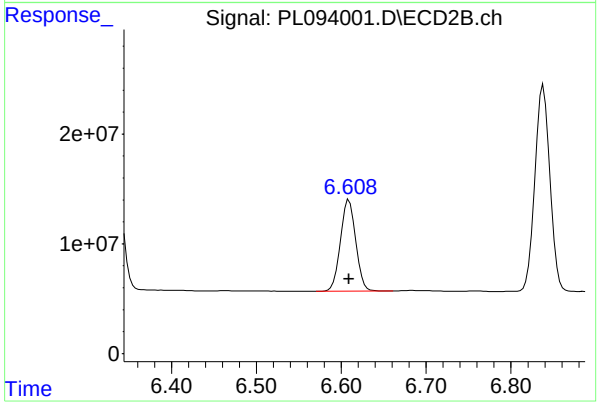
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 198264406
Conc: 55.60 ng/ml



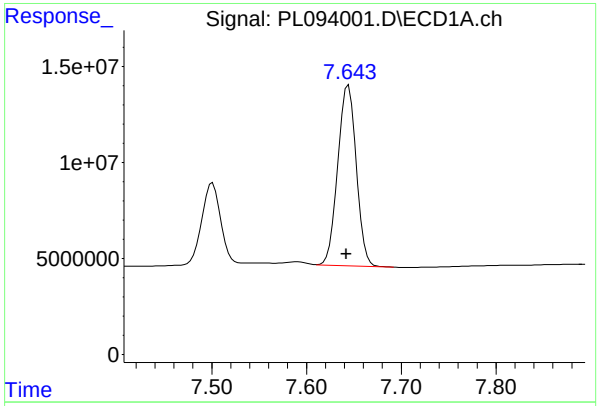
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 58743550
Conc: 56.30 ng/ml



#20 Methoxychlor

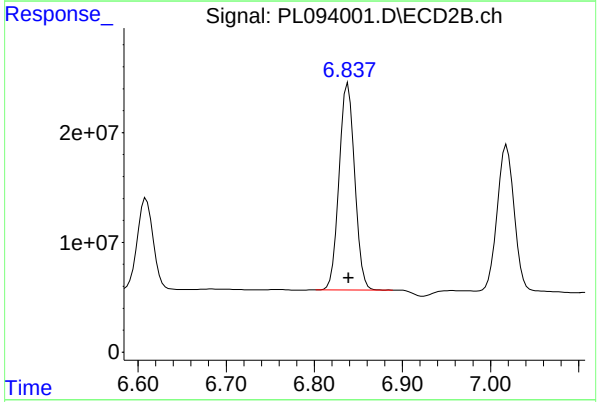
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 104436375
Conc: 58.41 ng/ml



#21 Endrin ketone

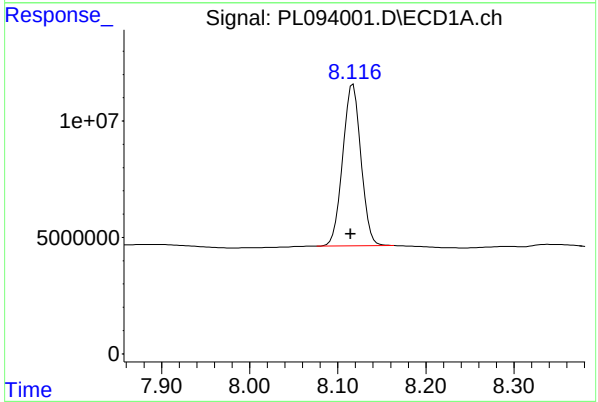
R.T.: 7.644 min
Delta R.T.: 0.002 mi
Response: 127561065
Conc: 50.57 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



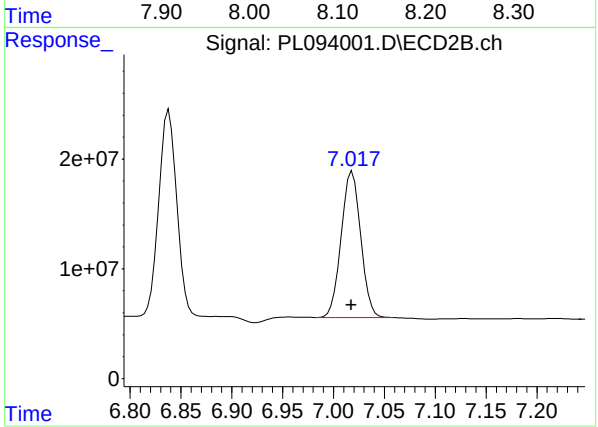
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 231717704
Conc: 55.23 ng/ml



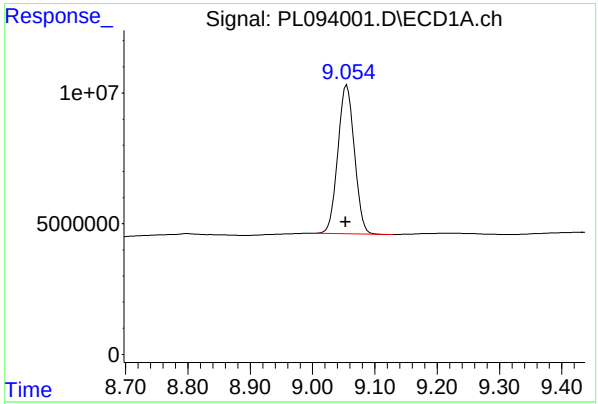
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 100040759
Conc: 48.04 ng/ml



#22 Mirex

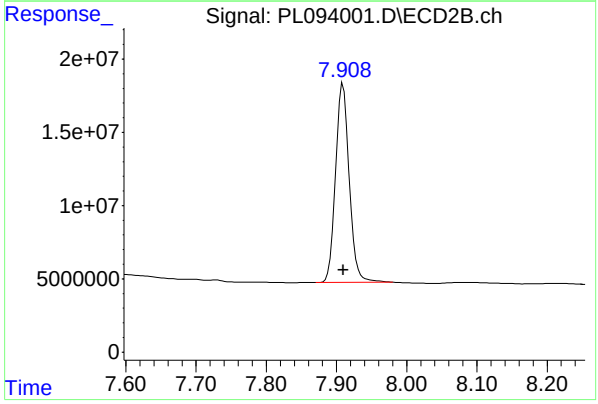
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 177992860
Conc: 52.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 104847601
Conc: 50.12 ng/ml

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

Raw Data: **PL094022.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 22:41 **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

Raw Data: **PL094022.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/03/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 22:41 **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

Raw Data: **PL094022.D**

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CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL02 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094022.D **Time Analyzed:** 22:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.953	9.153	48.960	50.000	-2.1
Endrin	6.572	6.472	6.672	50.650	50.000	1.3
gamma-BHC (Lindane)	4.327	4.227	4.427	51.980	50.000	4.0
Heptachlor	4.915	4.814	5.014	51.640	50.000	3.3
Heptachlor epoxide	5.683	5.582	5.782	50.990	50.000	2.0
Methoxychlor	7.500	7.398	7.598	53.980	50.000	8.0
Tetrachloro-m-xylene	3.538	3.439	3.639	51.210	50.000	2.4

Raw Data: **PL094022.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL02 **Date Analyzed:** 02/03/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094022.D **Time Analyzed:** 22:41

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	53.520	50.000	7.0
Endrin	5.636	5.536	5.736	56.890	50.000	13.8
gamma-BHC (Lindane)	3.607	3.507	3.707	52.380	50.000	4.8
Heptachlor	3.945	3.845	4.045	51.290	50.000	2.6
Heptachlor epoxide	4.727	4.627	4.827	52.980	50.000	6.0
Methoxychlor	6.610	6.509	6.709	56.660	50.000	13.3
Tetrachloro-m-xylene	2.774	2.674	2.874	51.590	50.000	3.2

Quantitation Report (QT Reviewed)

Sample Results: **PL094022.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:41
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 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 00:54:06 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...	3.538	2.774	137.9E6	168.4E6	51.210	51.594
28)	SA	Decachlor...	9.056	7.910	102.4E6	187.5E6	48.963	53.521
		Target Compounds						
2)	A	alpha-BHC	3.995	3.277	199.4E6	259.6E6	52.000	53.100
3)	MA	gamma-BHC...	4.327	3.607	191.4E6	248.3E6	51.980	52.377
4)	MA	Heptachlor	4.915	3.945	169.2E6	238.7E6	51.638	51.286
5)	MB	Aldrin	5.257	4.224	172.4E6	242.9E6	52.680	53.245
6)	B	beta-BHC	4.525	3.907	82864626	105.6E6	51.554	52.854
7)	B	delta-BHC	4.773	4.135	185.8E6	254.5E6	53.019	53.568
8)	B	Heptachlo...	5.683	4.727	151.6E6	221.5E6	50.986	52.980
9)	A	Endosulfan I	6.069	5.096	135.8E6	186.3E6	51.390	48.046
10)	B	gamma-Chl...	5.939	4.976	143.8E6	226.8E6	51.597	53.528
11)	B	alpha-Chl...	6.018	5.040	143.3E6	222.8E6	51.409	53.220
12)	B	4,4'-DDE	6.192	5.229	134.3E6	231.7E6	55.148	57.789
13)	MA	Dieldrin	6.344	5.361	142.4E6	231.0E6	51.298	53.781
14)	MA	Endrin	6.572	5.636	118.8E6	210.1E6	50.648m	56.894
15)	B	Endosulfa...	6.794	5.931	121.0E6	200.3E6	50.206	54.068
16)	A	4,4'-DDD	6.709	5.784	107.9E6	185.8E6	56.783	58.862
17)	MA	4,4'-DDT	7.024	6.035	105.2E6	185.0E6	53.327	56.856
18)	B	Endrin al...	6.924	6.110	97206774	162.4E6	50.002	53.352
19)	B	Endosulfa...	7.159	6.334	112.9E6	193.1E6	49.886	54.144
20)	A	Methoxychlor	7.500	6.610	56319474	101.3E6	53.977	56.661
21)	B	Endrin ke...	7.644	6.839	125.5E6	225.0E6	49.743	53.636
22)		Mirex	8.117	7.019	97999921	179.0E6	47.059	52.934

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

Sample Results: **PL094022.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:41
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

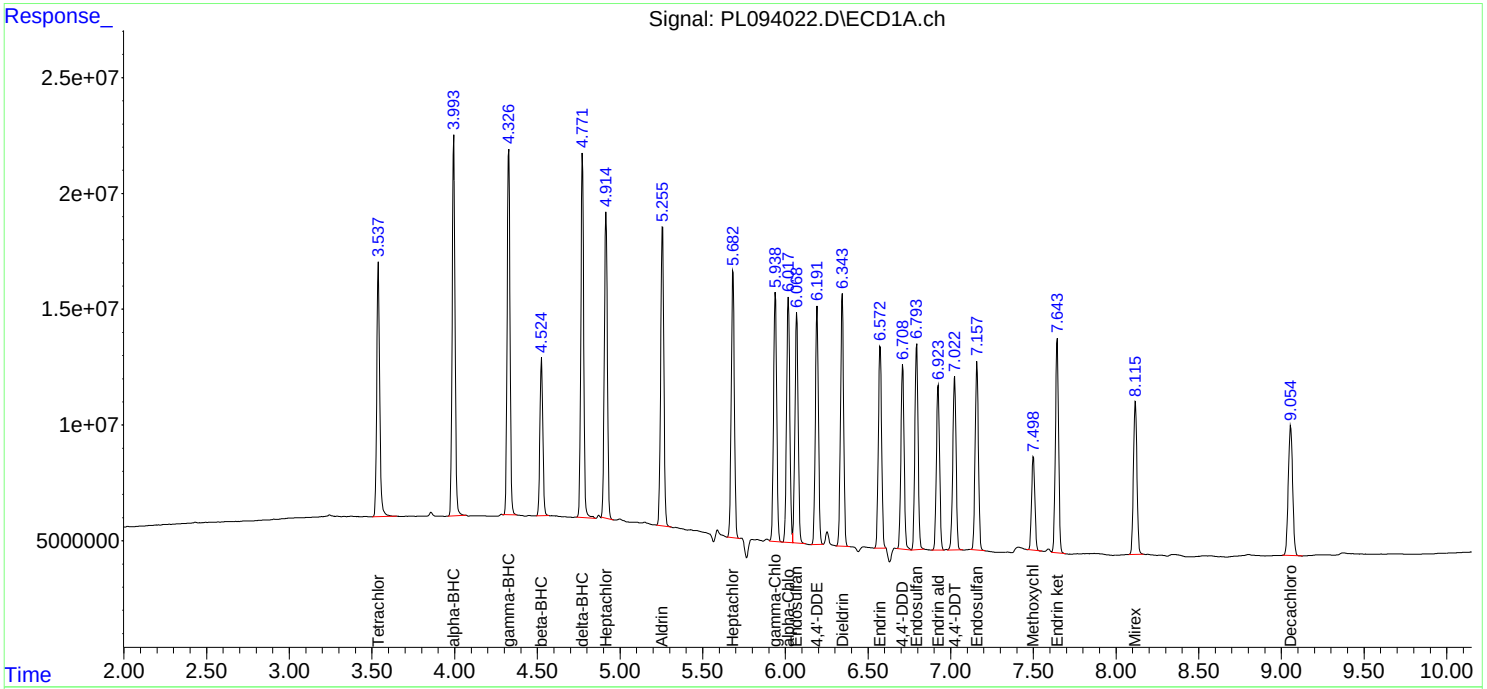
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

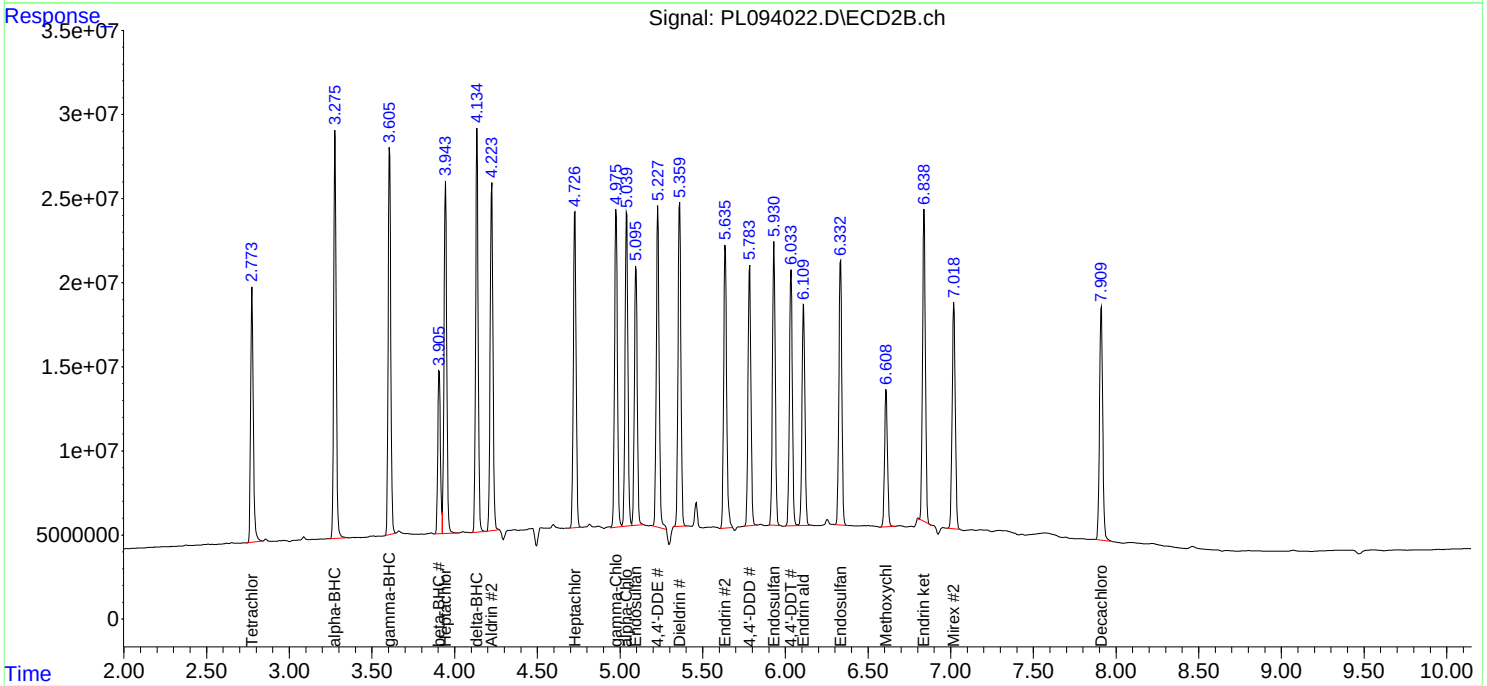
Manual Integrations APPROVED

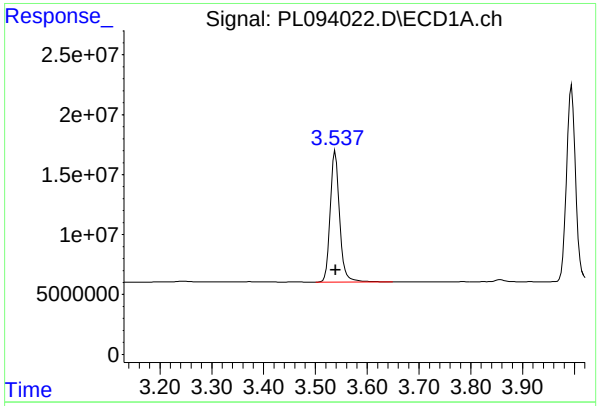
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:54:06 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







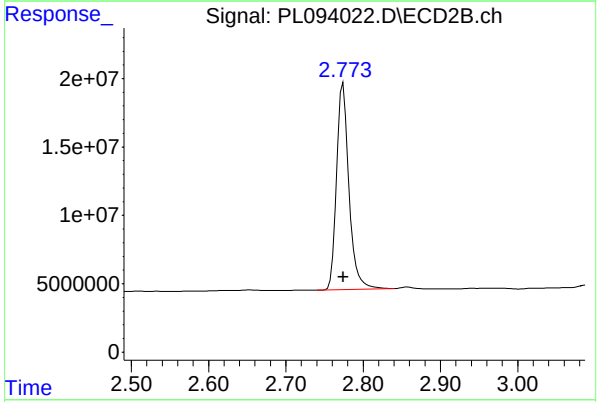
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137895056
Conc: 51.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

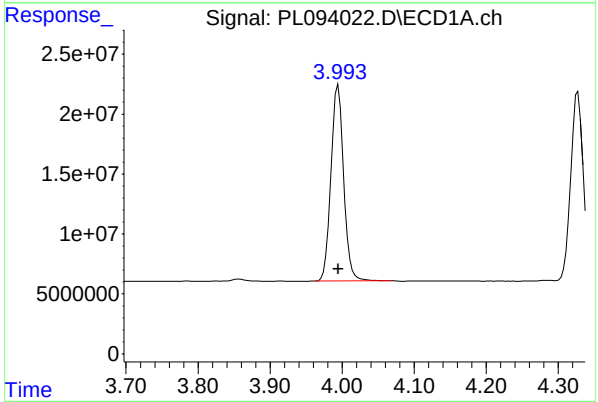
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



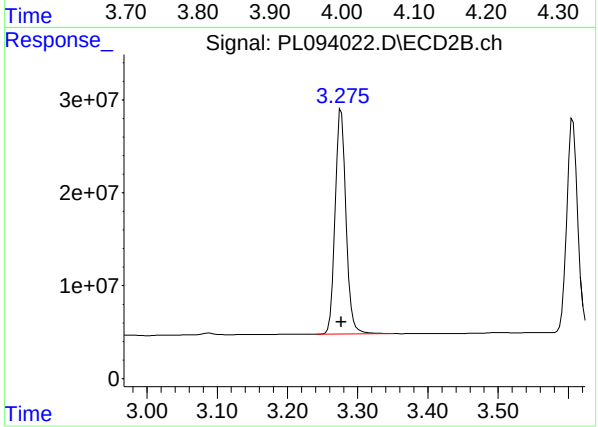
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 168411438
Conc: 51.59 ng/ml



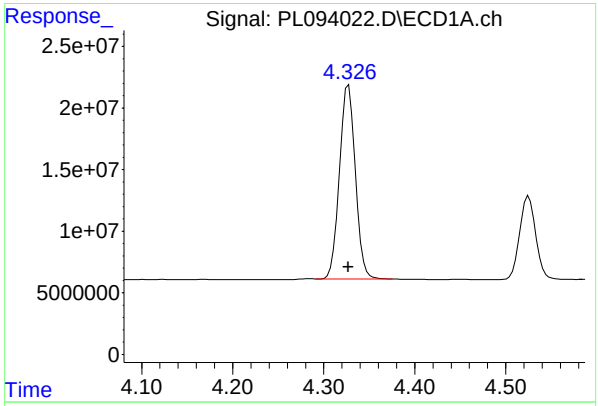
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 199361755
Conc: 52.00 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 259603868
Conc: 53.10 ng/ml



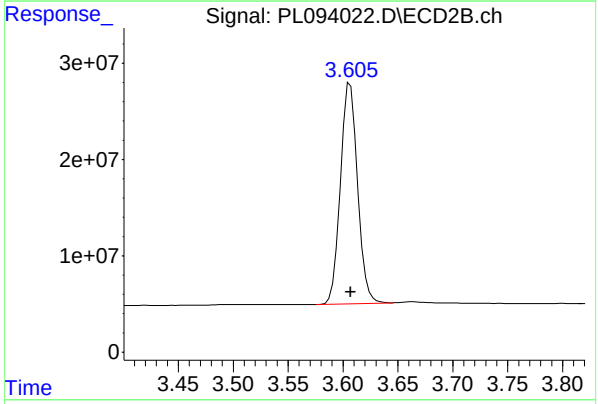
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 191433033
Conc: 51.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

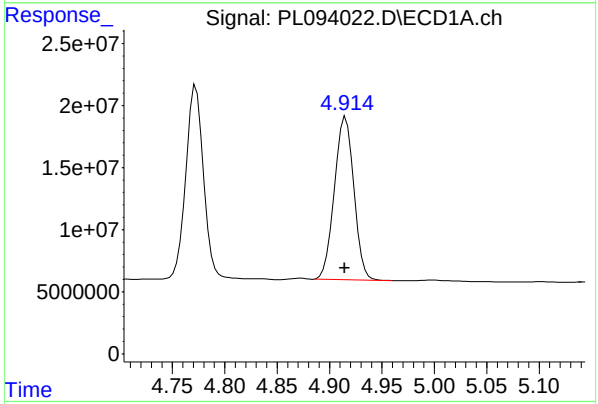
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



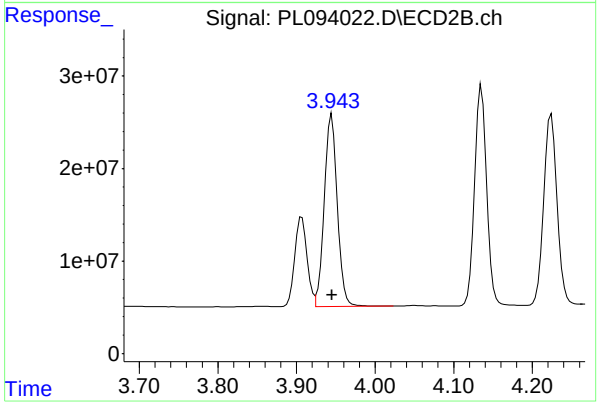
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 248329007
Conc: 52.38 ng/ml



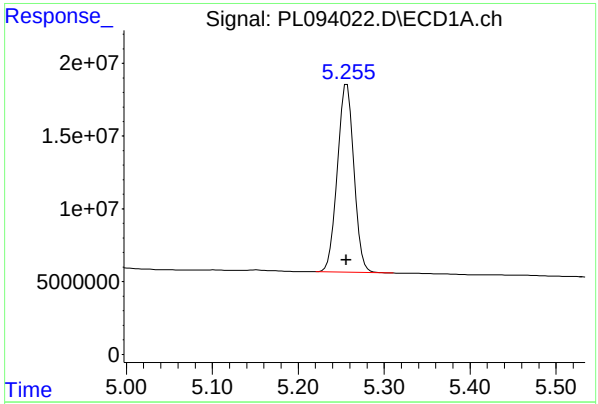
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 169235332
Conc: 51.64 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 238725266
Conc: 51.29 ng/ml



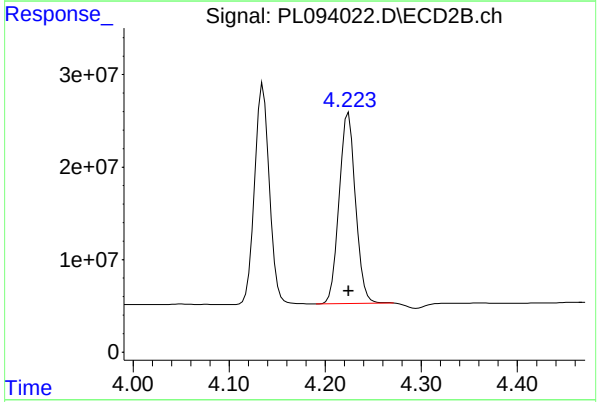
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 172368556
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

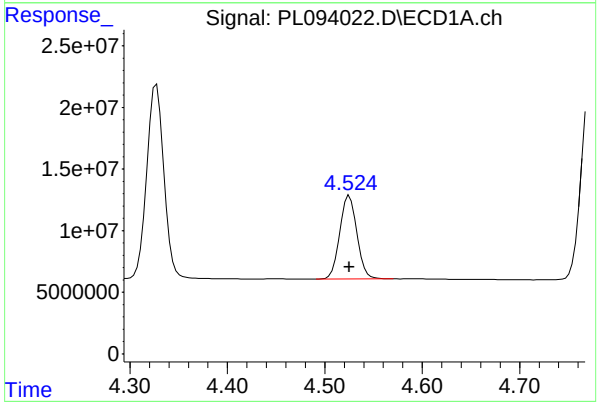
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



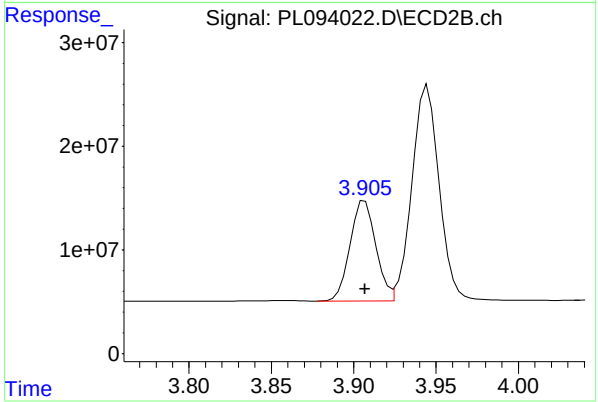
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 242893457
Conc: 53.25 ng/ml



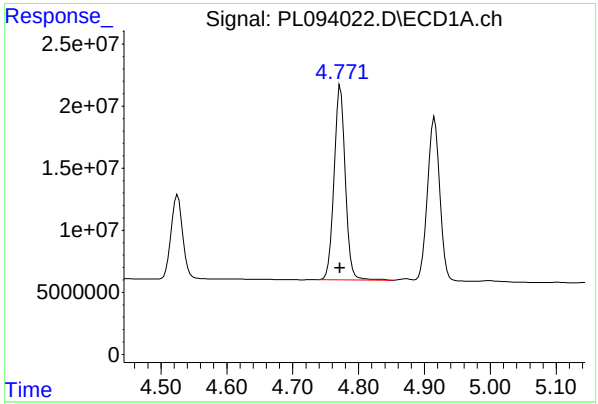
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 82864626
Conc: 51.55 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 105572031
Conc: 52.85 ng/ml



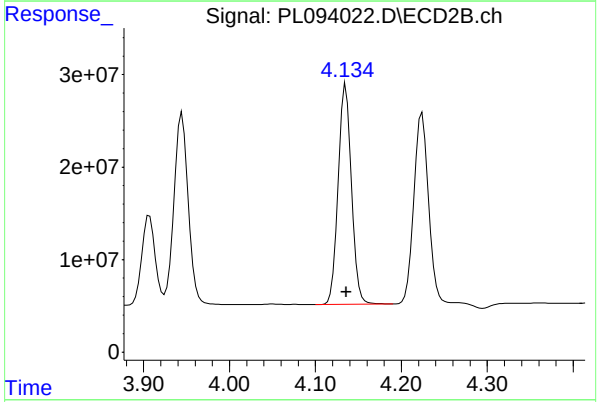
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 185847992
Conc: 53.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

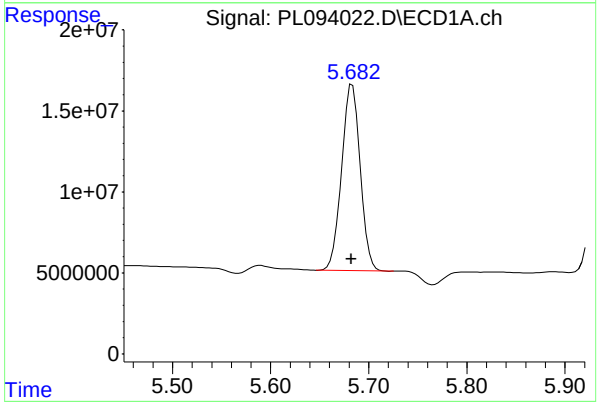
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



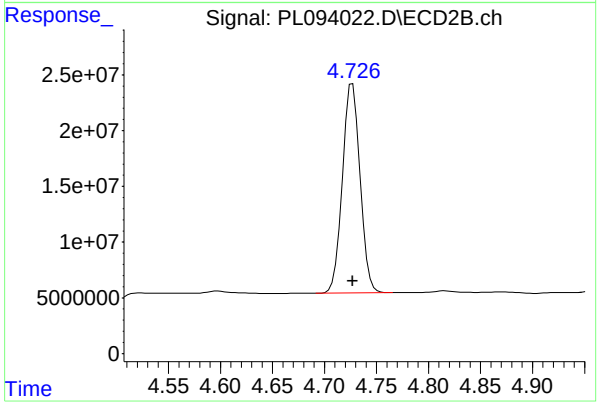
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 254514103
Conc: 53.57 ng/ml



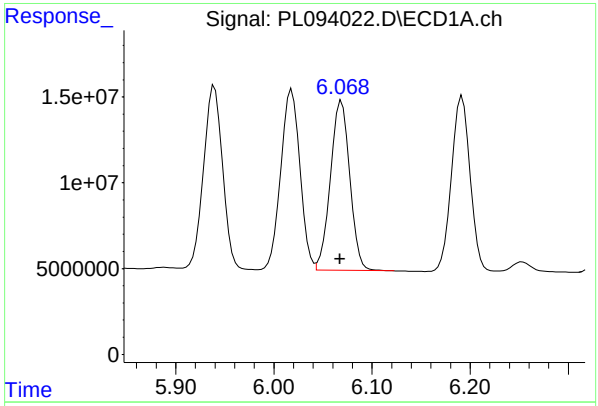
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.001 min
Response: 151624711
Conc: 50.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221467991
Conc: 52.98 ng/ml



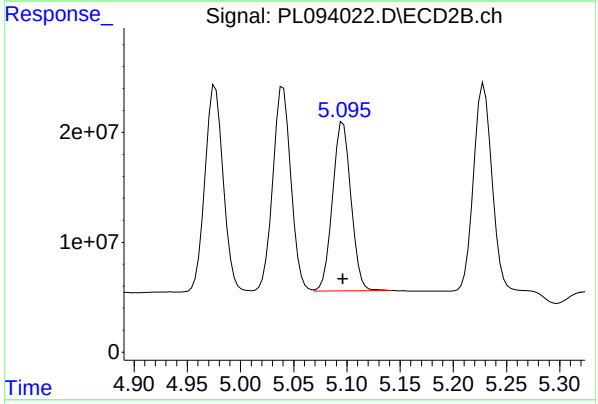
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 135817052
Conc: 51.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

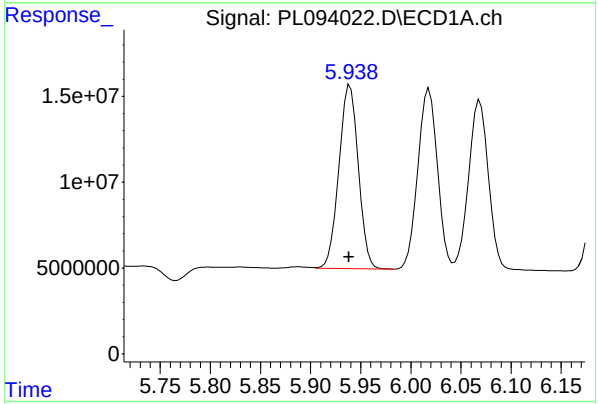
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



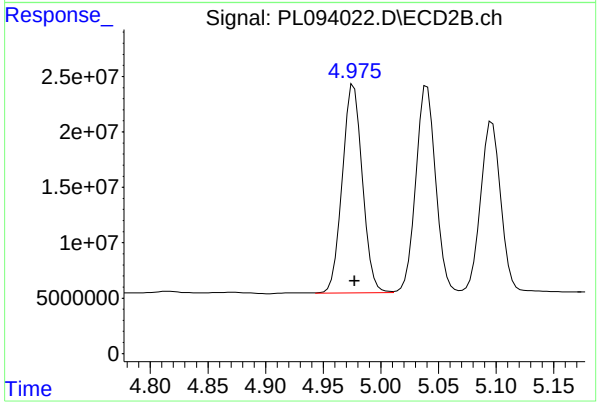
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 186272086
Conc: 48.05 ng/ml



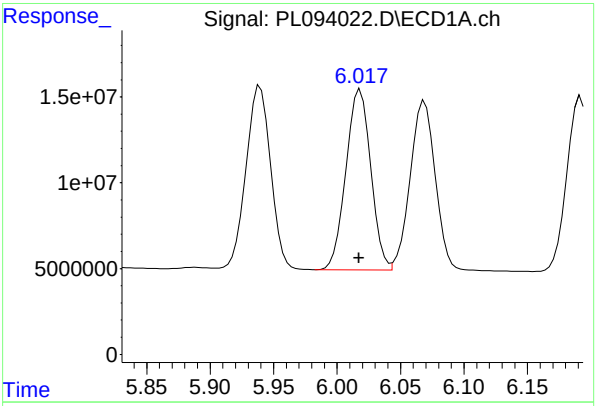
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.001 min
Response: 143818538
Conc: 51.60 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 226830149
Conc: 53.53 ng/ml



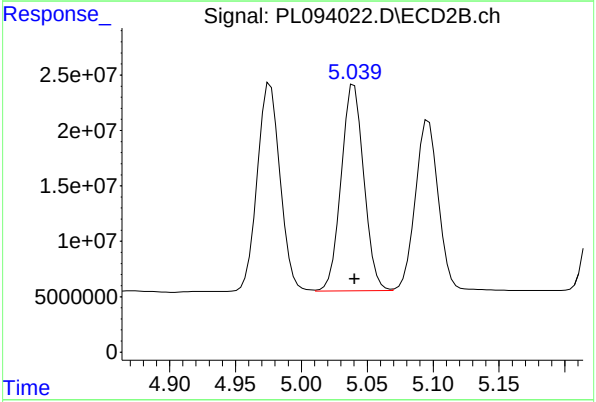
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 143349581
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

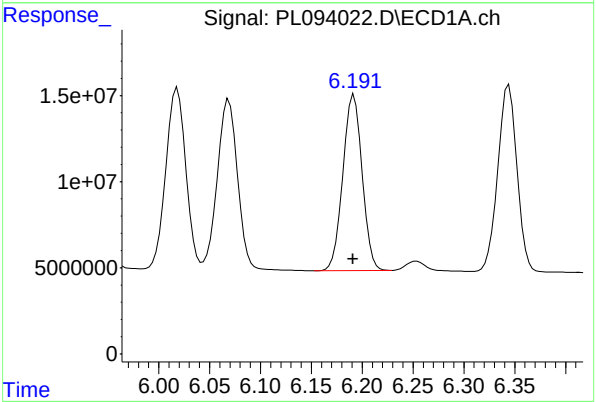
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



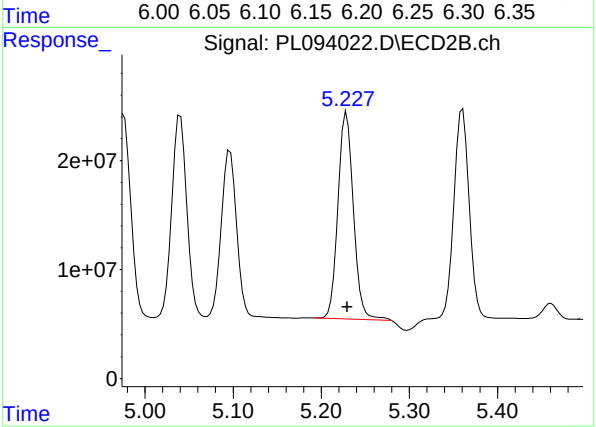
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 222809801
Conc: 53.22 ng/ml



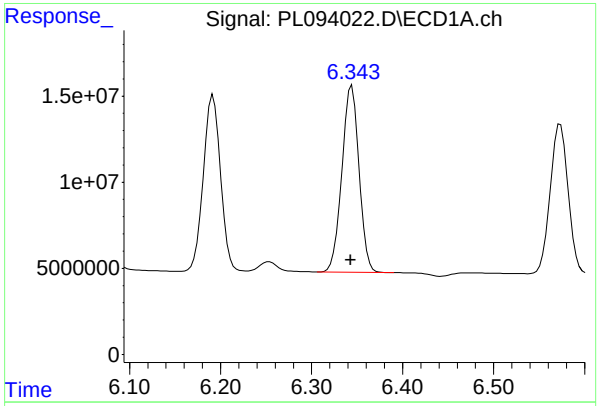
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 134262905
Conc: 55.15 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 231701798
Conc: 57.79 ng/ml



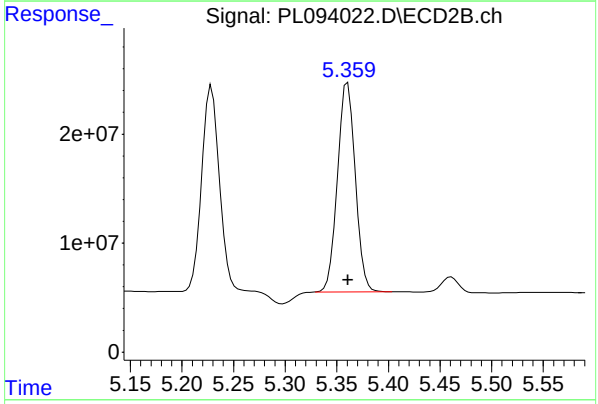
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.001 mi
Response: 142396950
Conc: 51.30 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

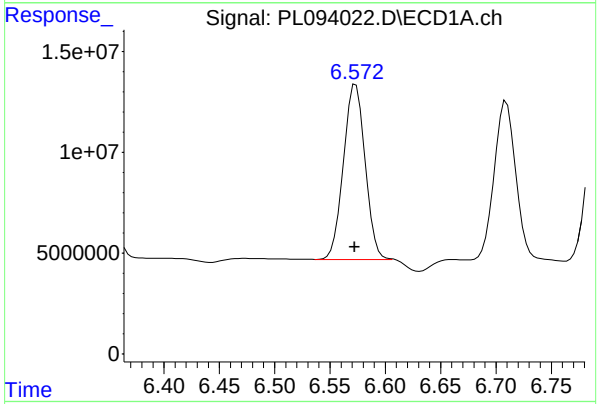
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



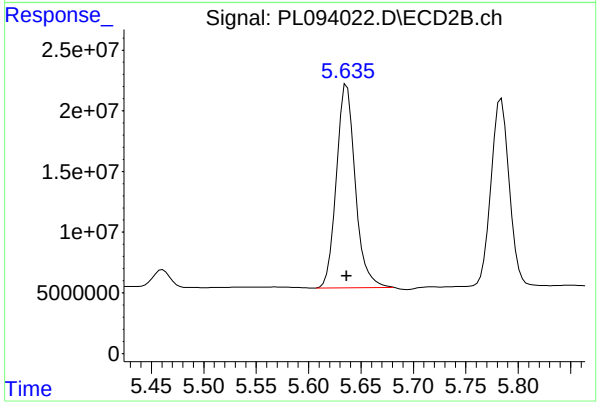
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 231024546
Conc: 53.78 ng/ml



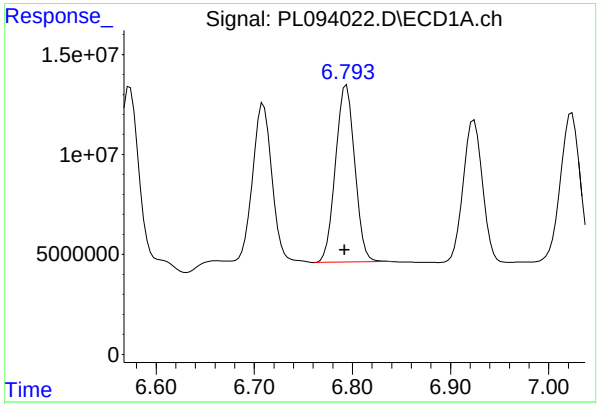
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 118759659
Conc: 50.65 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 210090392
Conc: 56.89 ng/ml



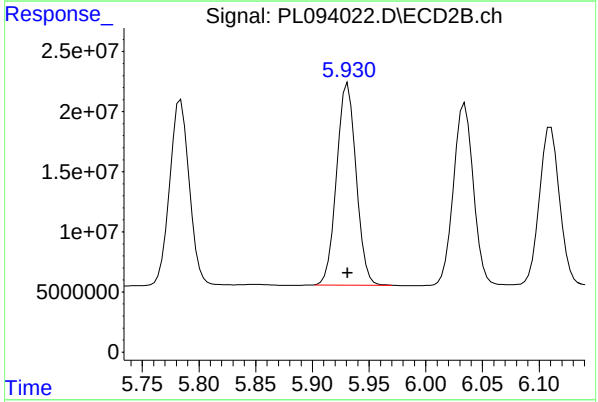
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 120963660
Conc: 50.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

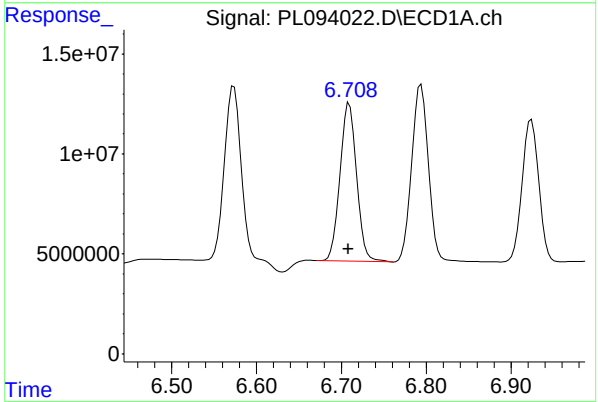
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



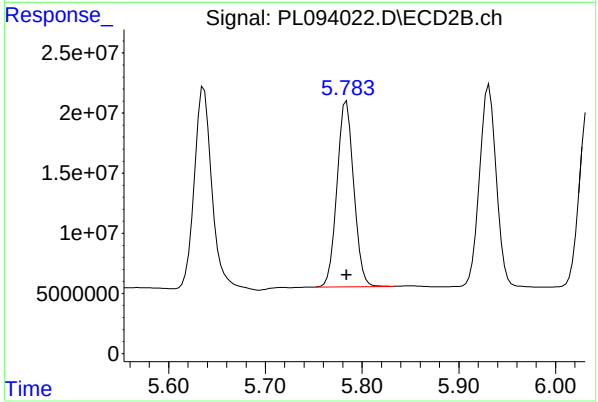
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 200257880
Conc: 54.07 ng/ml



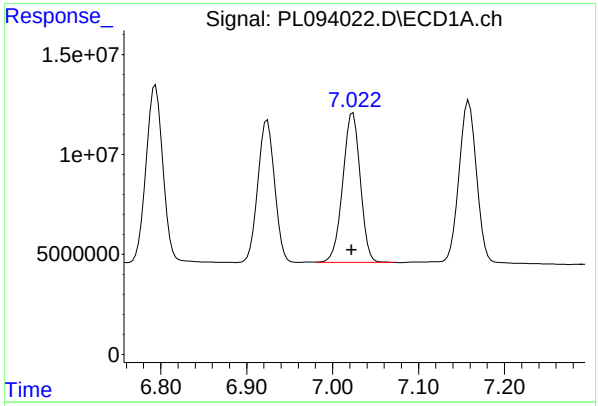
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.001 min
Response: 107919941
Conc: 56.78 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 185800748
Conc: 58.86 ng/ml



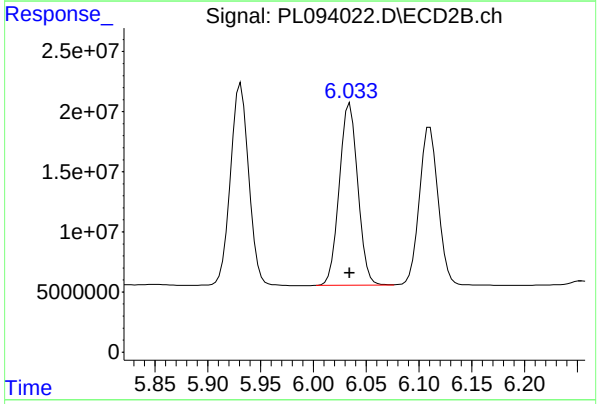
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.001 min
Response: 105163001
Conc: 53.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

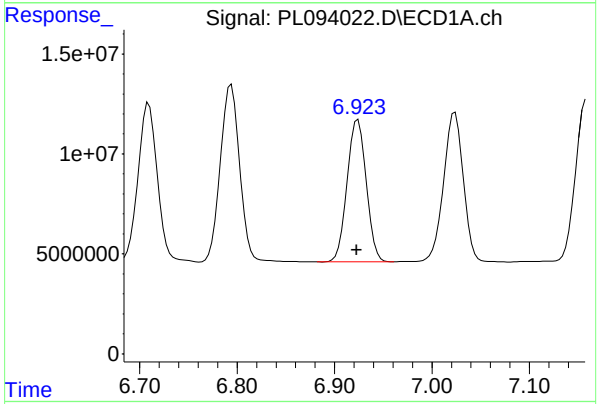
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



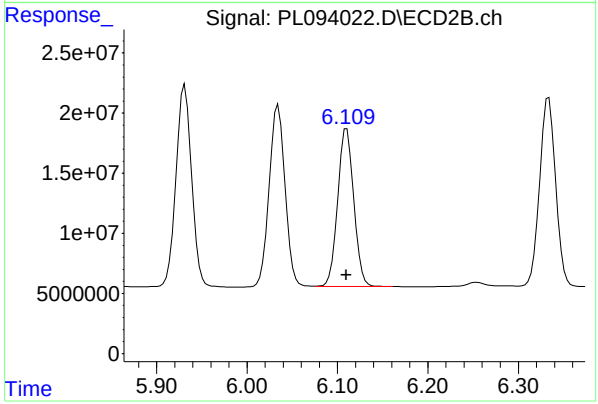
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 185013093
Conc: 56.86 ng/ml



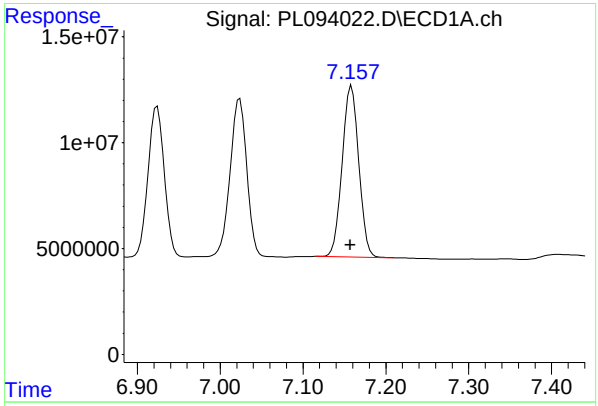
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 97206774
Conc: 50.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 162438703
Conc: 53.35 ng/ml



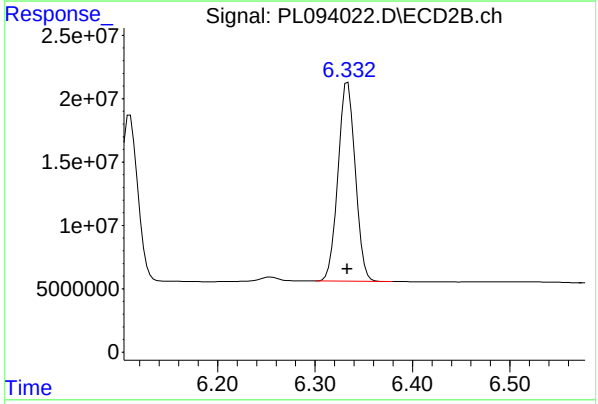
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.001 min
Response: 112927916
Conc: 49.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

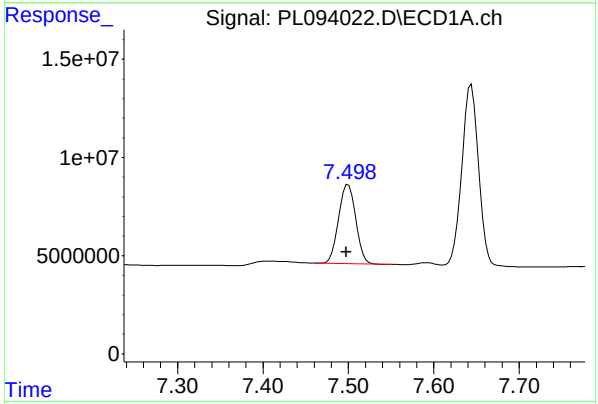
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



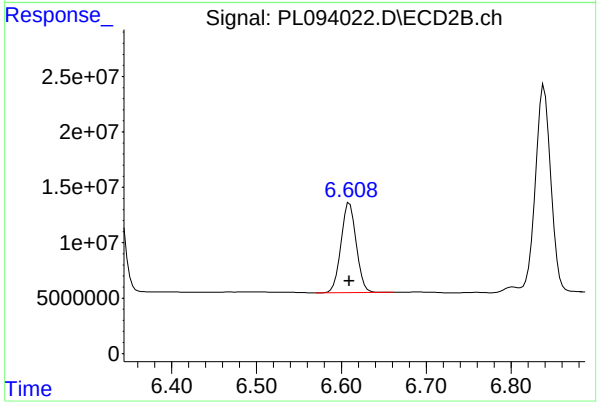
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 193081935
Conc: 54.14 ng/ml



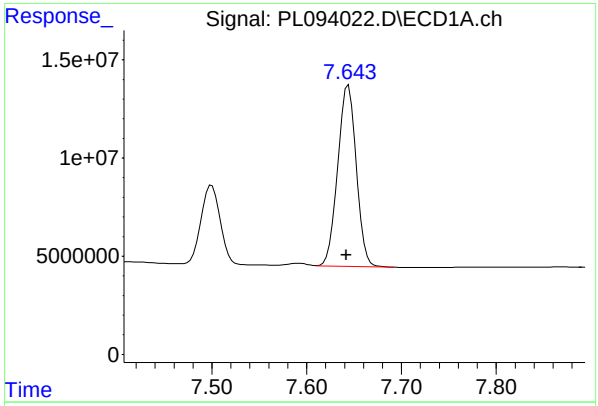
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 56319474
Conc: 53.98 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 101317120
Conc: 56.66 ng/ml



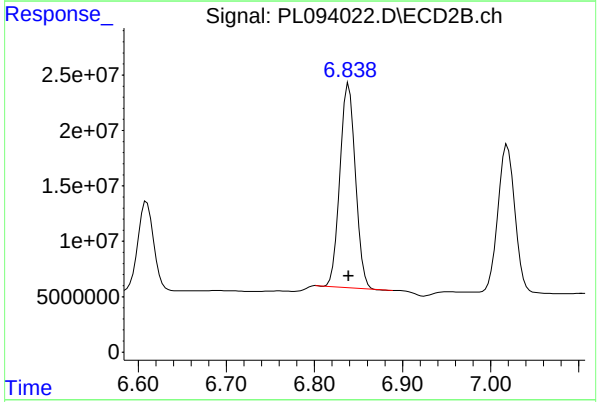
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 125484126
Conc: 49.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

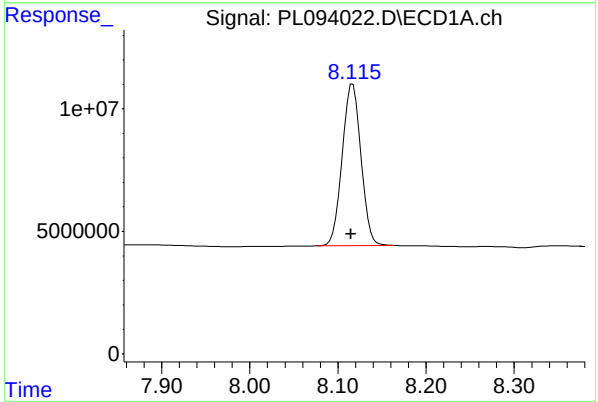
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



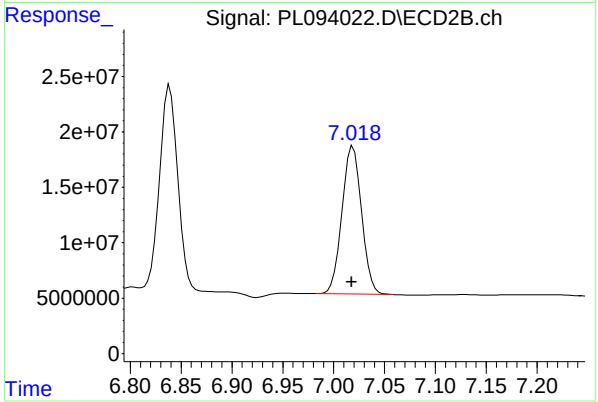
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 225015309
Conc: 53.64 ng/ml



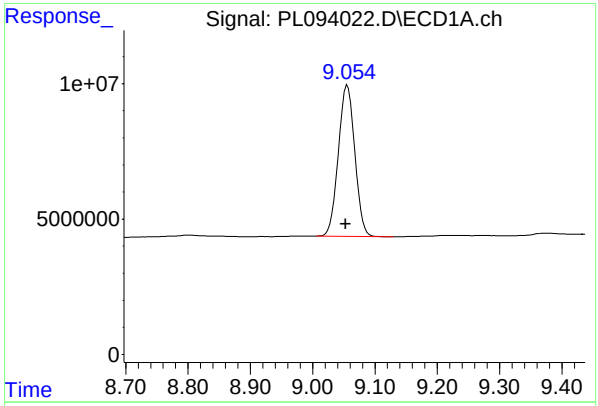
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 97999921
Conc: 47.06 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 179016314
Conc: 52.93 ng/ml



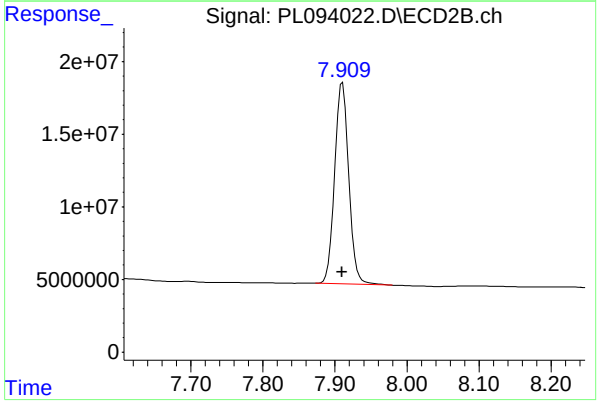
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 102426025
Conc: 48.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 187540618
Conc: 53.52 ng/ml

Raw Data: **PL094038.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 09:14 **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

Raw Data: **PL094038.D**

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 09:14 **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

Raw Data: **PL094038.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL03 **Date Analyzed:** 02/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094038.D **Time Analyzed:** 09:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.953	9.153	47.740	50.000	-4.5
Endrin	6.573	6.472	6.672	48.440	50.000	-3.1
gamma-BHC (Lindane)	4.328	4.227	4.427	51.900	50.000	3.8
Heptachlor	4.916	4.814	5.014	51.240	50.000	2.5
Heptachlor epoxide	5.684	5.582	5.782	50.560	50.000	1.1
Methoxychlor	7.500	7.398	7.598	48.720	50.000	-2.6
Tetrachloro-m-xylene	3.539	3.439	3.639	51.420	50.000	2.8

Raw Data: **PL094038.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL03 **Date Analyzed:** 02/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094038.D **Time Analyzed:** 09:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.910	7.810	8.010	52.230	50.000	4.5
Endrin	5.636	5.536	5.736	53.510	50.000	7.0
gamma-BHC (Lindane)	3.607	3.507	3.707	52.640	50.000	5.3
Heptachlor	3.945	3.845	4.045	50.310	50.000	0.6
Heptachlor epoxide	4.727	4.627	4.827	52.780	50.000	5.6
Methoxychlor	6.609	6.509	6.709	48.950	50.000	-2.1
Tetrachloro-m-xylene	2.774	2.674	2.874	52.080	50.000	4.2

Sample Results: **PL094038.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:36:33 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	138.4E6	170.0E6	51.415	52.075
28) SA	Decachlor...	9.056	7.910	99859885	183.0E6	47.736	52.227
	Target Compounds						
2) A	alpha-BHC	3.995	3.277	200.3E6	259.9E6	52.233	53.156
3) MA	gamma-BHC...	4.328	3.607	191.1E6	249.6E6	51.900	52.642
4) MA	Heptachlor	4.916	3.945	167.9E6	234.2E6	51.237	50.306
5) MB	Aldrin	5.257	4.224	172.5E6	242.1E6	52.723	53.067
6) B	beta-BHC	4.526	3.907	83404039	105.8E6	51.890	52.954
7) B	delta-BHC	4.773	4.135	187.0E6	253.8E6	53.359	53.411
8) B	Heptachlo...	5.684	4.727	150.4E6	220.6E6	50.558	52.783
9) A	Endosulfan I	6.069	5.097	133.9E6	197.4E6	50.660	50.918
10) B	gamma-Chl...	5.939	4.977	143.7E6	228.5E6	51.540m	53.911
11) B	alpha-Chl...	6.018	5.040	142.5E6	222.7E6	51.117	53.187
12) B	4,4'-DDE	6.192	5.229	133.4E6	226.7E6	54.805	56.532
13) MA	Dieldrin	6.344	5.361	140.5E6	228.6E6	50.598	53.217
14) MA	Endrin	6.573	5.636	113.6E6	197.6E6	48.443m	53.514
15) B	Endosulfa...	6.795	5.931	118.3E6	197.8E6	49.092	53.408
16) A	4,4'-DDD	6.710	5.784	108.0E6	186.9E6	56.808	59.222
17) MA	4,4'-DDT	7.024	6.034	95064883	164.8E6	48.206	50.630
18) B	Endrin al...	6.925	6.110	95240963	158.2E6	48.991	51.968
19) B	Endosulfa...	7.159	6.333	110.2E6	186.7E6	48.696	52.355
20) A	Methoxychlor	7.500	6.609	50834494	87531557	48.720	48.951
21) B	Endrin ke...	7.644	6.838	122.2E6	222.5E6	48.444	53.025
22)	Mirex	8.117	7.018	95057147	173.0E6	45.646	51.150

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

Sample Results: **PL094038.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

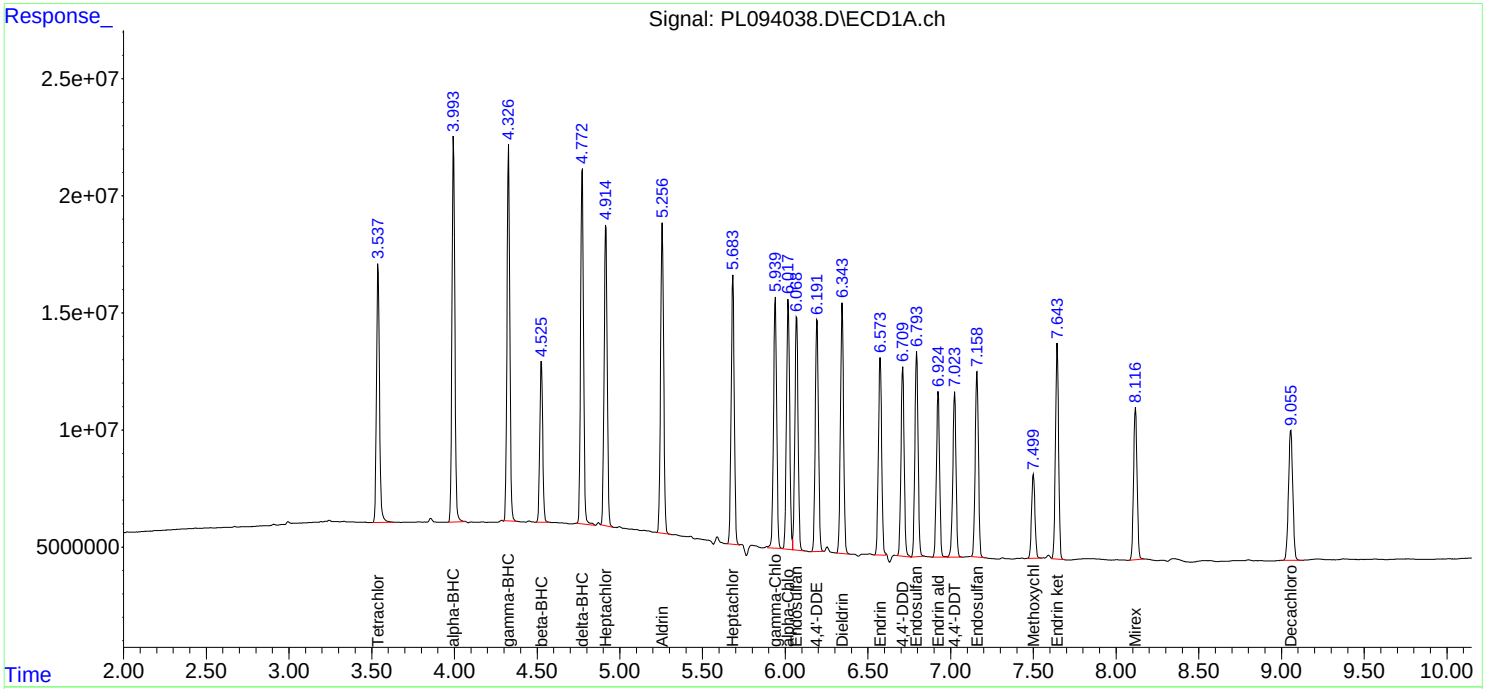
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

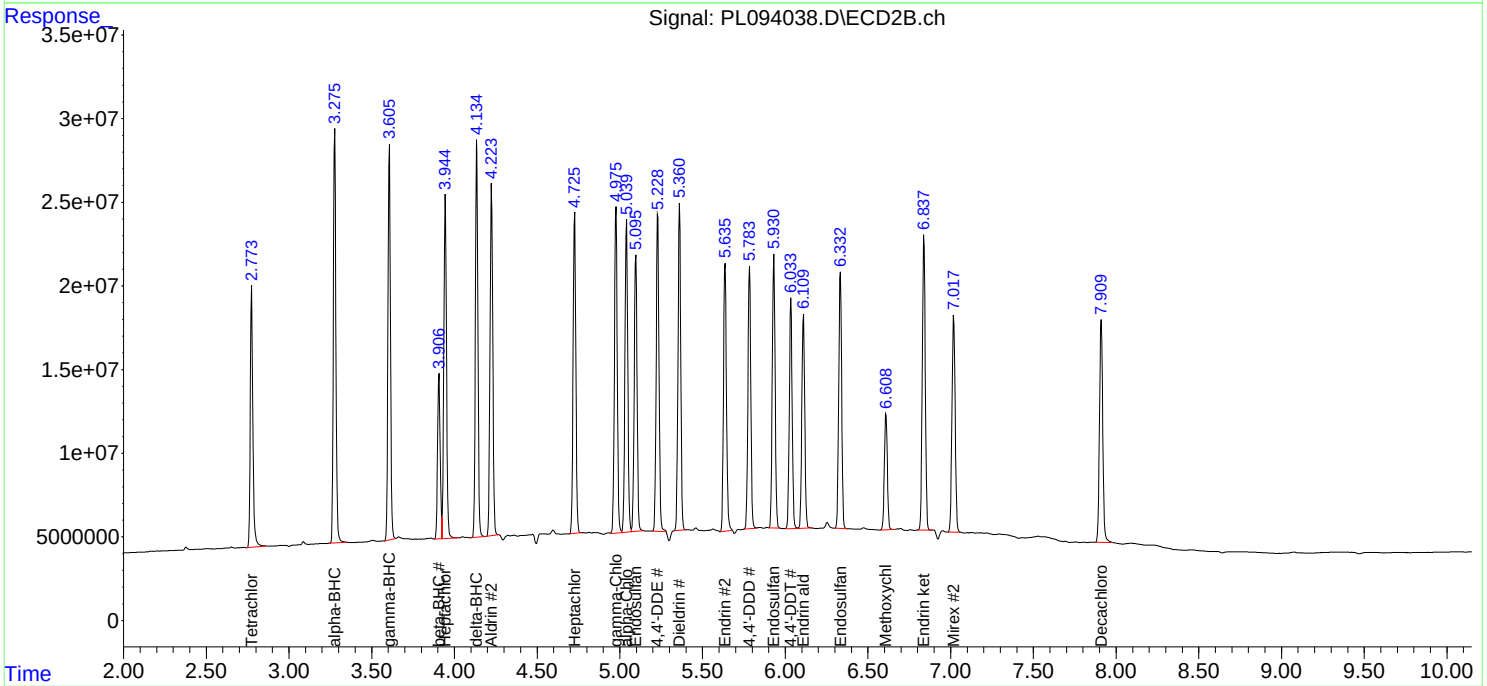
Manual Integrations APPROVED

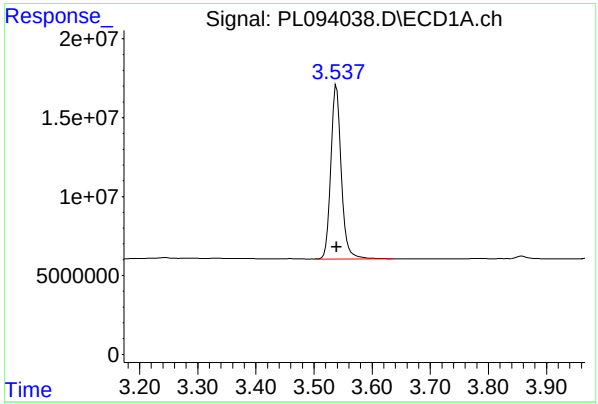
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:36:33 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: 138449622
Conc: 51.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
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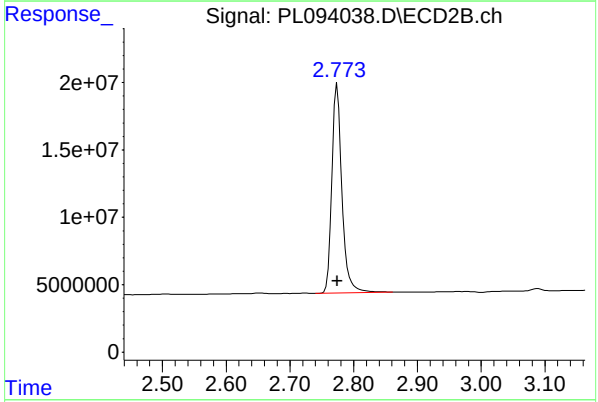
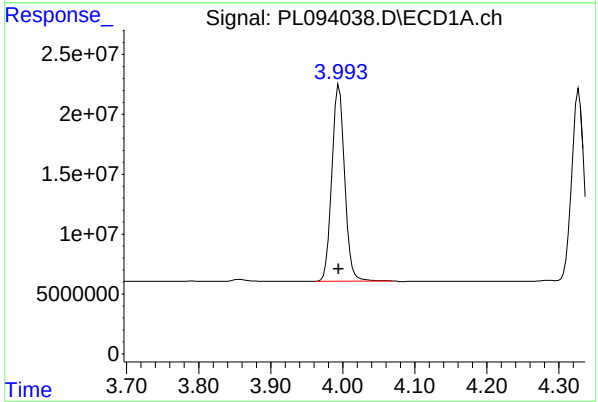


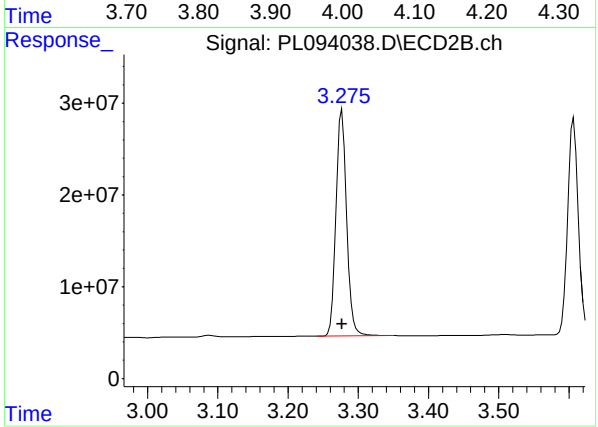
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 169981852
Conc: 52.08 ng/ml



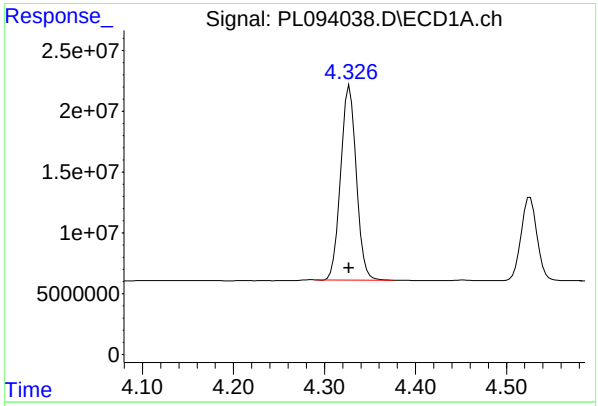
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 200253591
Conc: 52.23 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 259878221
Conc: 53.16 ng/ml



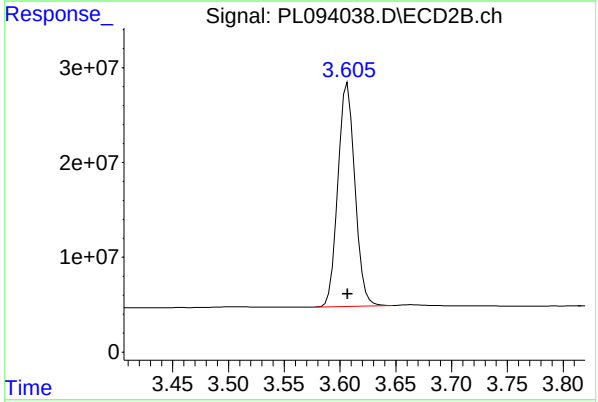
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 191138817
Conc: 51.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

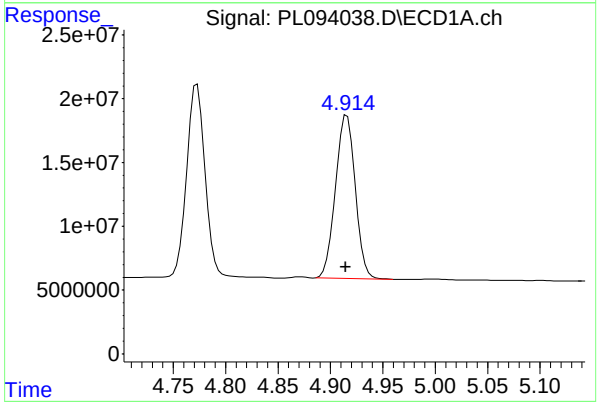
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



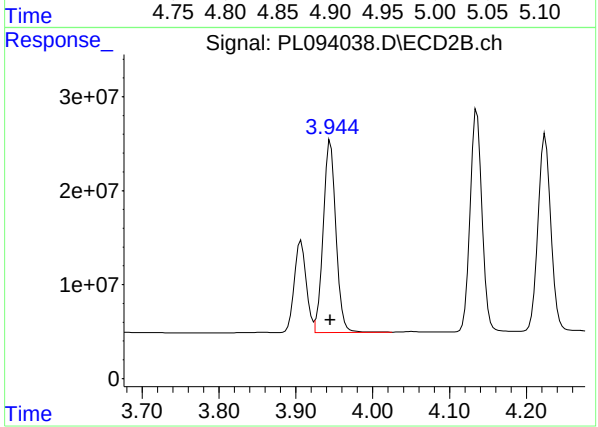
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 249587117
Conc: 52.64 ng/ml



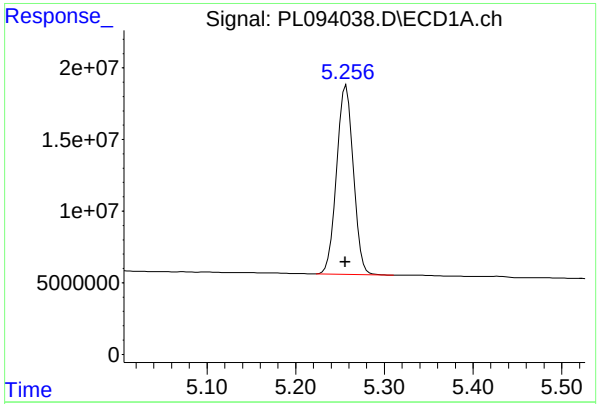
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 167921515
Conc: 51.24 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 234163452
Conc: 50.31 ng/ml



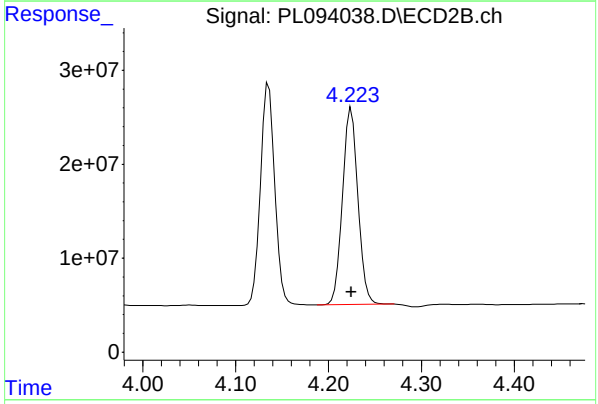
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 172506982
Conc: 52.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

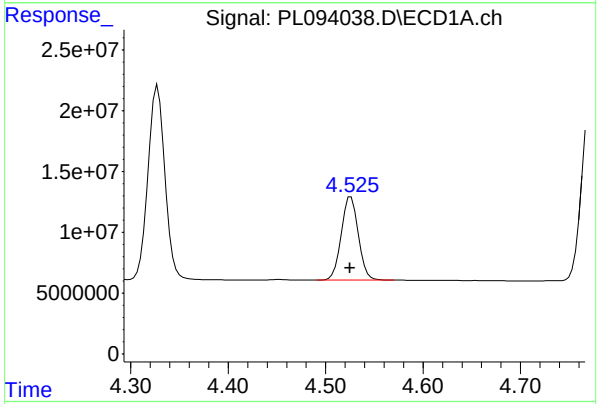
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



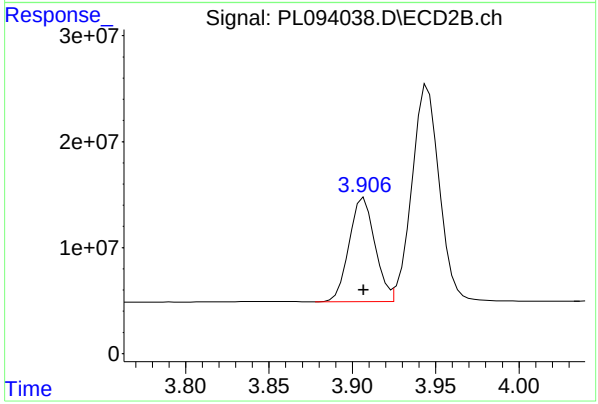
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 242080652
Conc: 53.07 ng/ml



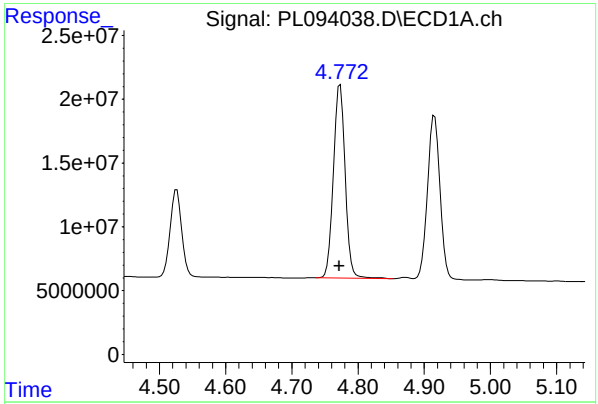
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 83404039
Conc: 51.89 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 105771882
Conc: 52.95 ng/ml



#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 187040307
Conc: 53.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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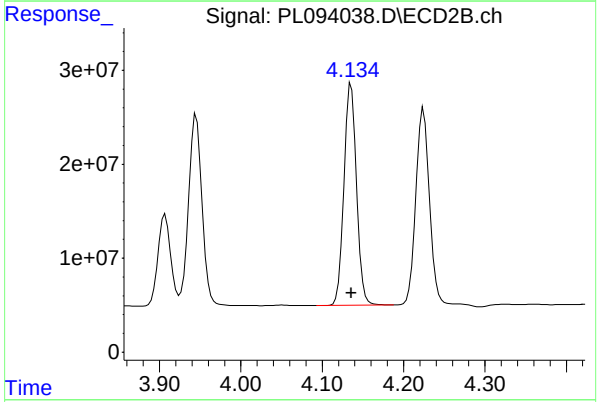
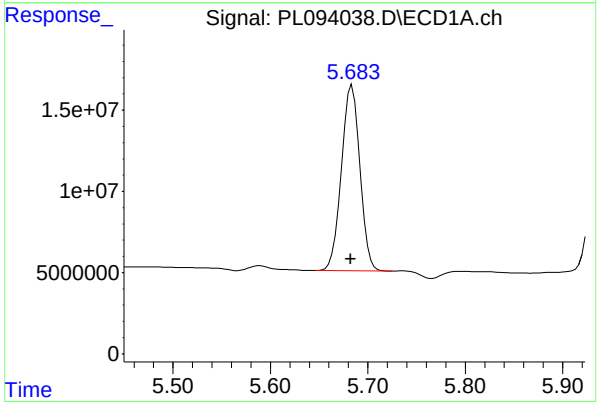


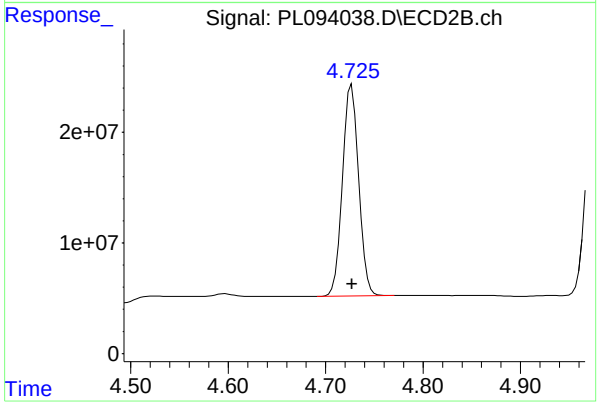
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 253766330
Conc: 53.41 ng/ml



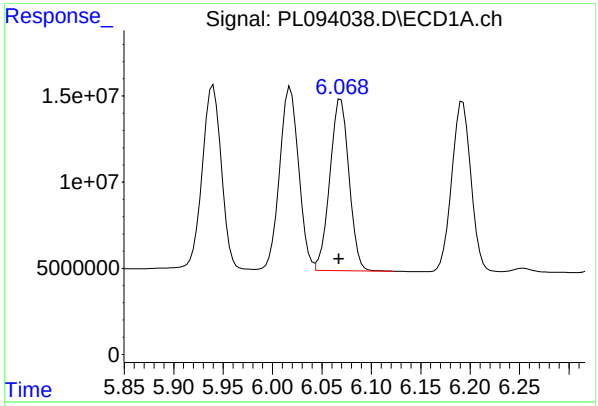
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 150351484
Conc: 50.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 220646331
Conc: 52.78 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 mi
Response: 133887358
Conc: 50.66 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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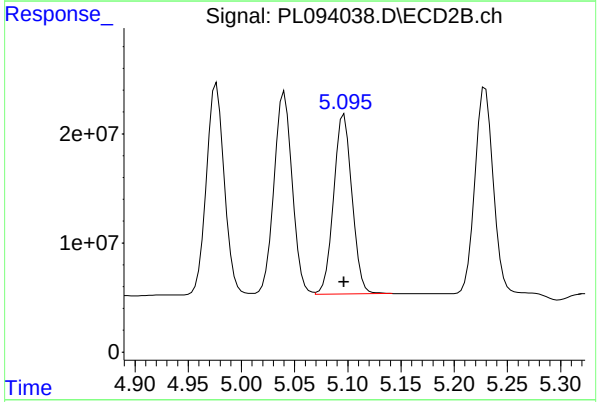
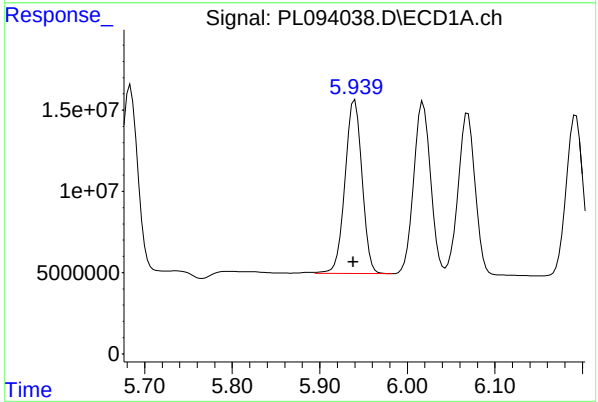


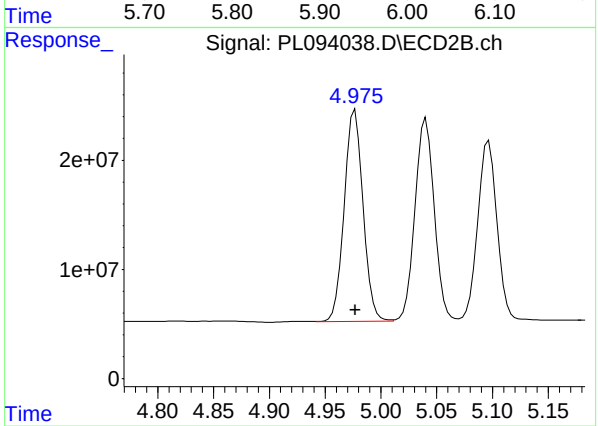
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 197403494
Conc: 50.92 ng/ml



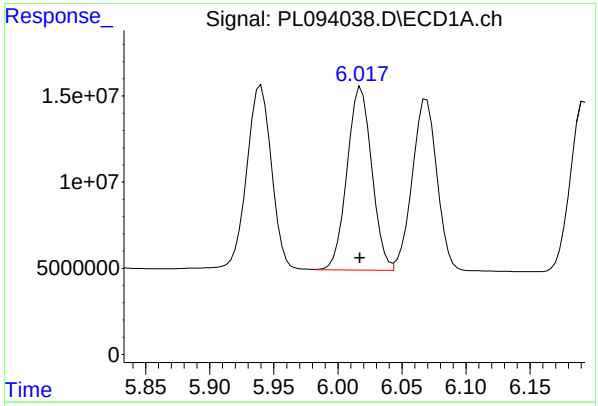
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 143659859
Conc: 51.54 ng/ml m



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 228454032
Conc: 53.91 ng/ml



#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 142533659
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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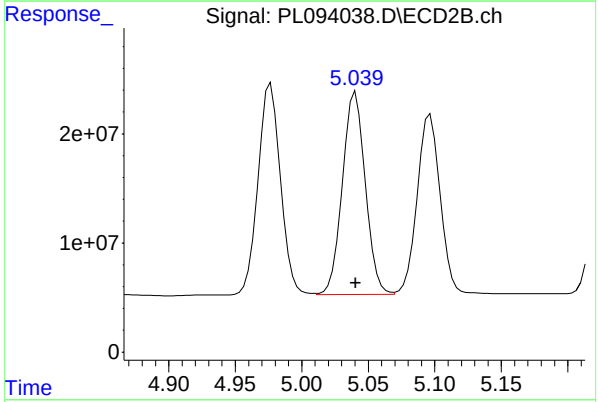
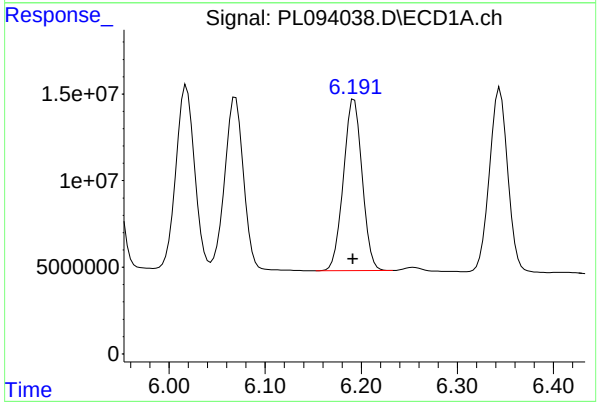


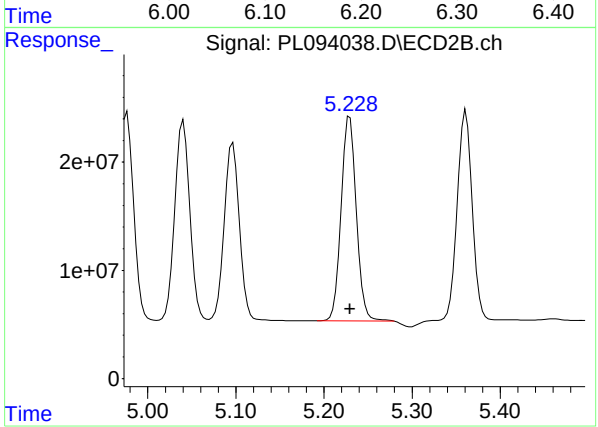
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 222669083
Conc: 53.19 ng/ml



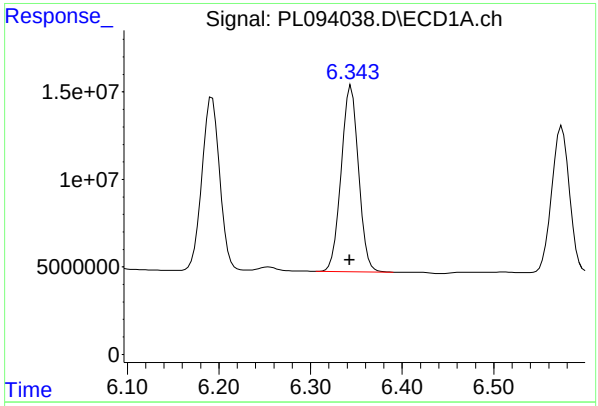
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.001 min
Response: 133427421
Conc: 54.80 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 226662670
Conc: 56.53 ng/ml



#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.002 mi
Response: 140452624
Conc: 50.60 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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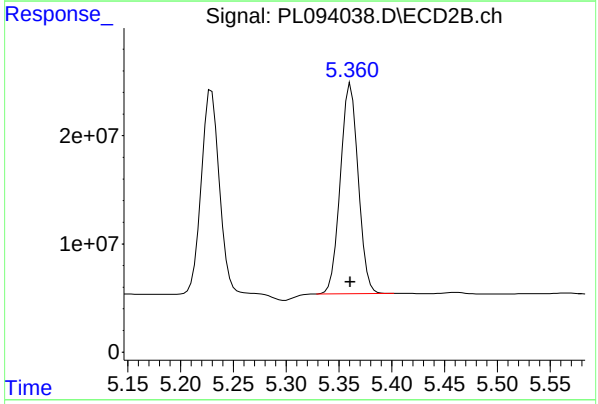
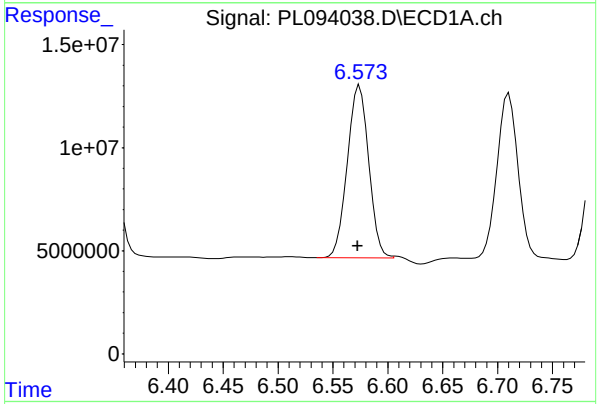


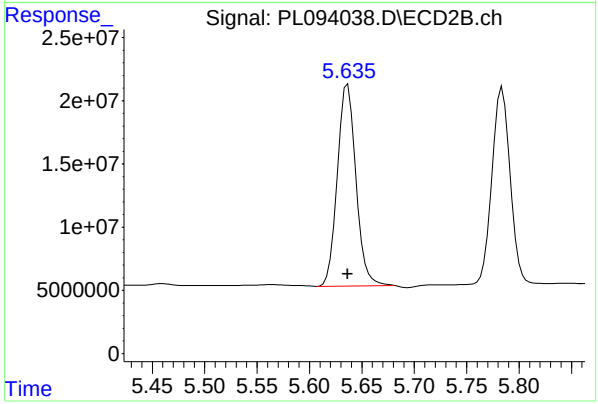
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 228602243
Conc: 53.22 ng/ml



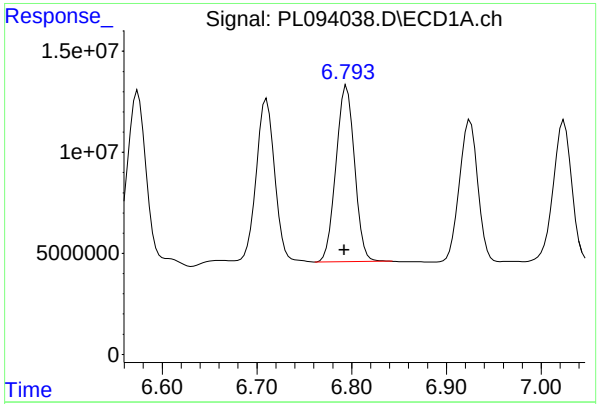
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 113590191
Conc: 48.44 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 197611304
Conc: 53.51 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 118281165
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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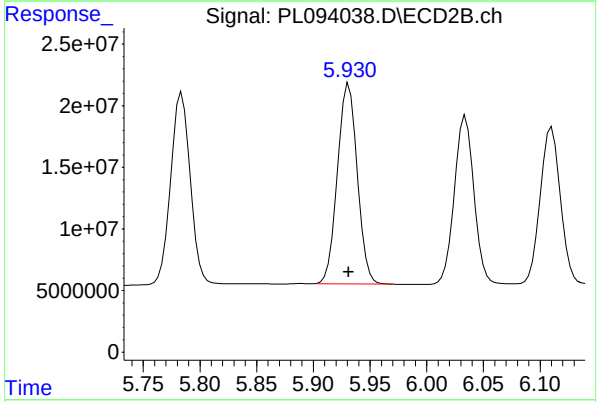
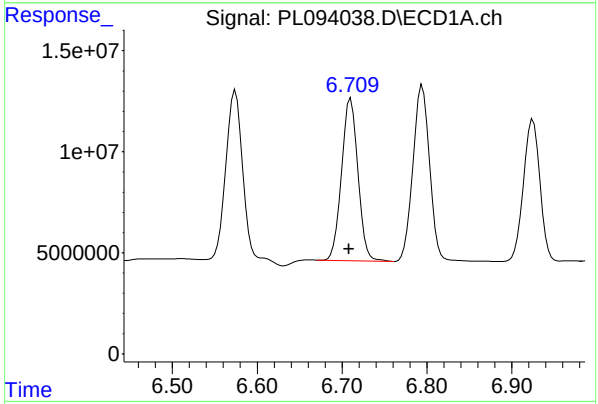


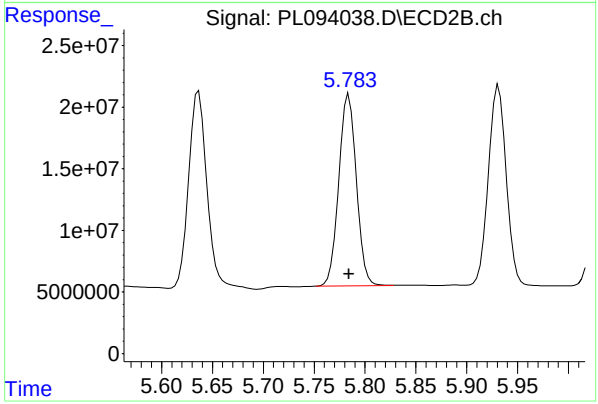
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 197815085
Conc: 53.41 ng/ml



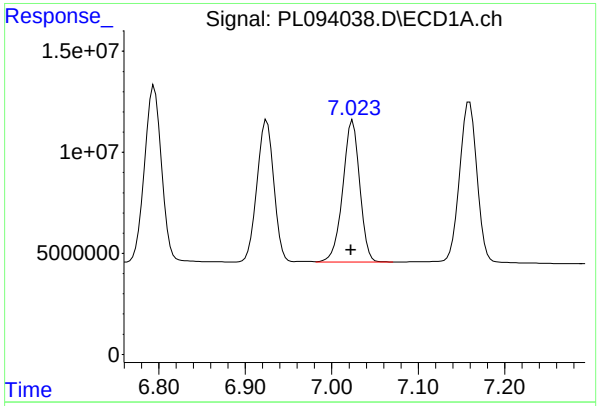
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 107966389
Conc: 56.81 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 186936910
Conc: 59.22 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 95064883
Conc: 48.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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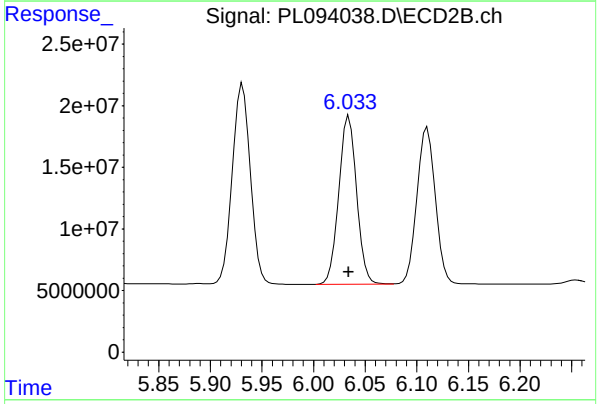
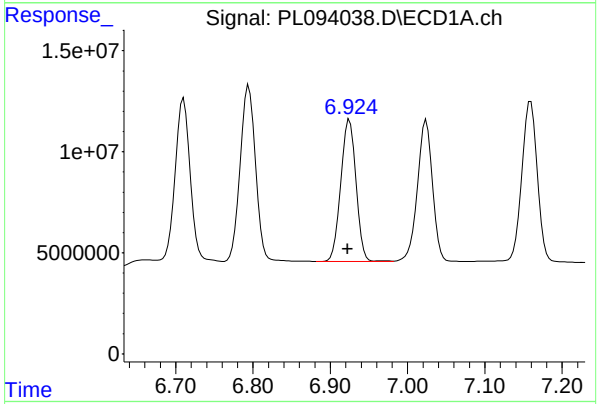


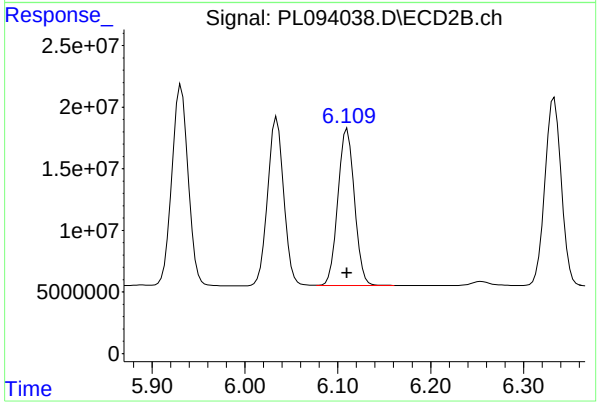
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 164753927
Conc: 50.63 ng/ml



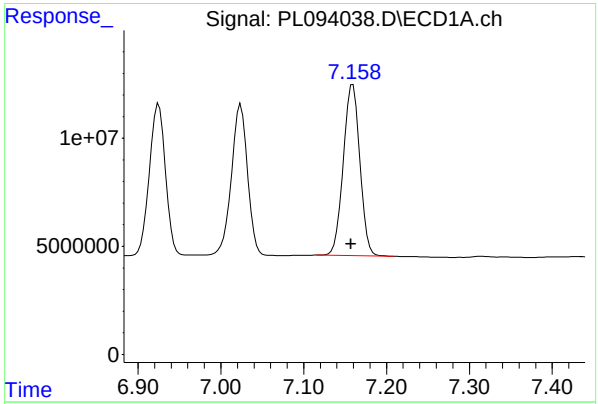
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 95240963
Conc: 48.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 158223807
Conc: 51.97 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 110234240
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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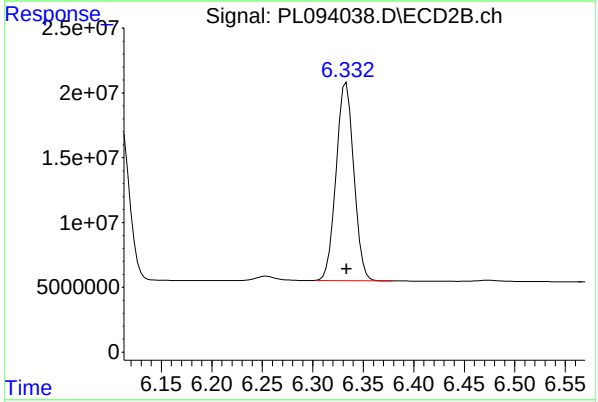
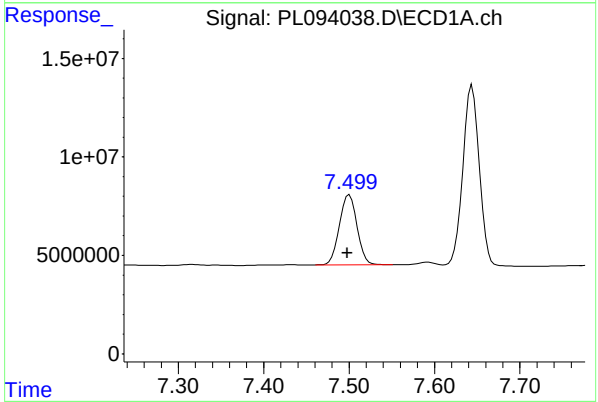


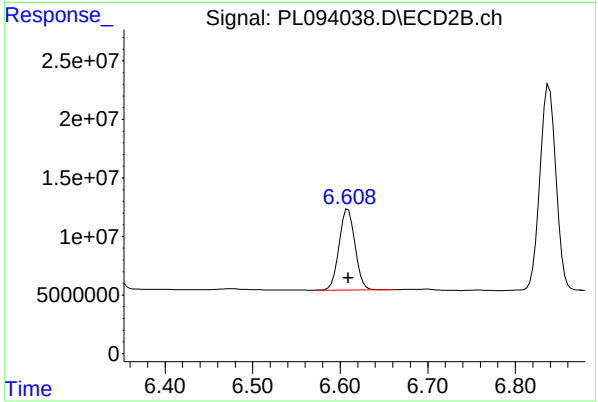
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 186703769
Conc: 52.36 ng/ml



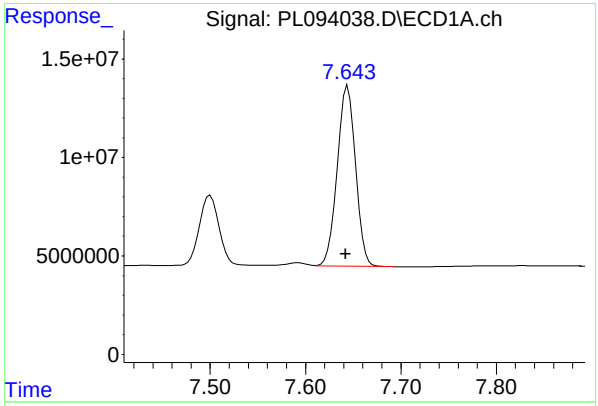
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 50834494
Conc: 48.72 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 87531557
Conc: 48.95 ng/ml



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 mi
Response: 122207314
Conc: 48.44 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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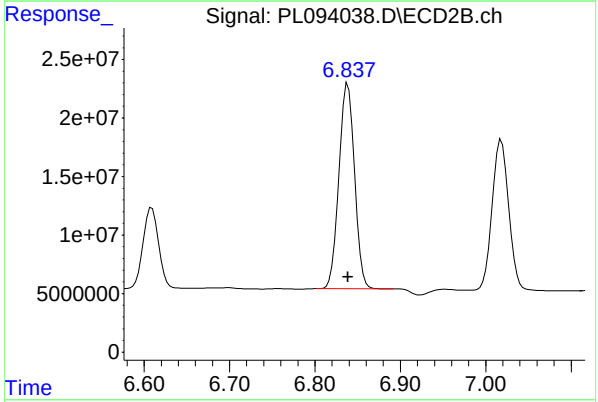
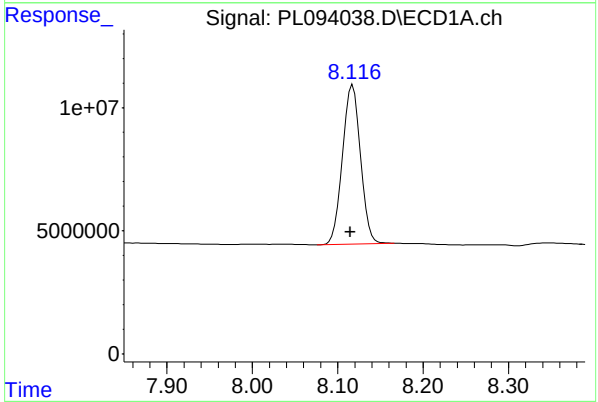


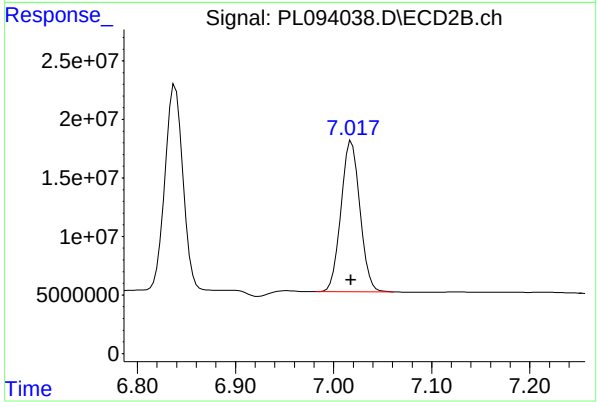
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 222452583
Conc: 53.02 ng/ml



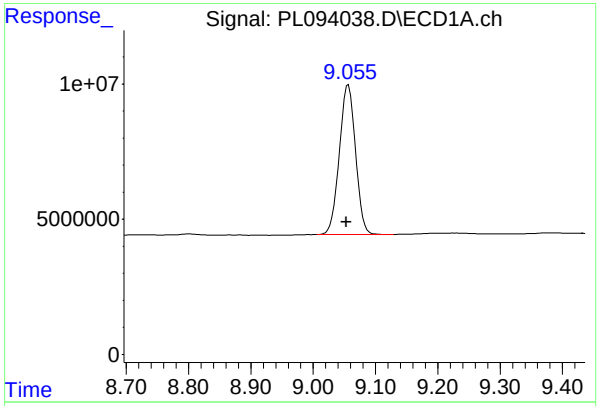
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 95057147
Conc: 45.65 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 172982886
Conc: 51.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 mi
Response: 99859885
Conc: 47.74 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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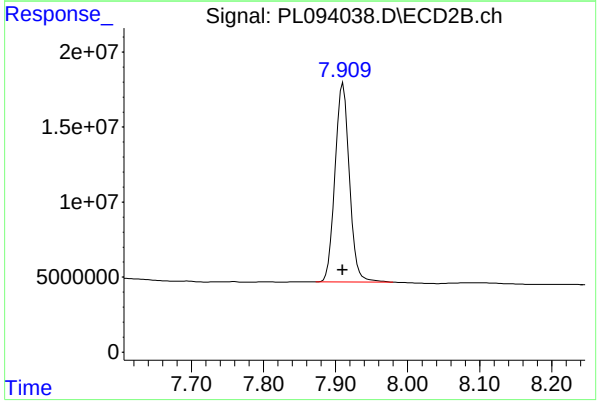


#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 183005947
Conc: 52.23 ng/ml

Raw Data: **PL094052.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 14:50 **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	0.00
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

Raw Data: **PL094052.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Continuing Calib Date: 02/04/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 14:50 **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

Raw Data: **PL094052.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL04 **Date Analyzed:** 02/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094052.D **Time Analyzed:** 14:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.953	9.153	45.130	50.000	-9.7
Endrin	6.572	6.472	6.672	44.960	50.000	-10.1
gamma-BHC (Lindane)	4.327	4.227	4.427	50.110	50.000	0.2
Heptachlor	4.915	4.814	5.014	47.450	50.000	-5.1
Heptachlor epoxide	5.683	5.582	5.782	48.530	50.000	-2.9
Methoxychlor	7.499	7.398	7.598	43.350	50.000	-13.3
Tetrachloro-m-xylene	3.538	3.439	3.639	50.380	50.000	0.8

Raw Data: **PL094052.D**

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No.: CCAL04 **Date Analyzed:** 02/04/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094052.D **Time Analyzed:** 14:50

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	43.570	50.000	-12.9
Endrin	5.636	5.536	5.736	50.920	50.000	1.8
gamma-BHC (Lindane)	3.606	3.507	3.707	52.180	50.000	4.4
Heptachlor	3.944	3.845	4.045	48.050	50.000	-3.9
Heptachlor epoxide	4.726	4.627	4.827	51.700	50.000	3.4
Methoxychlor	6.609	6.509	6.709	42.000	50.000	-16.0
Tetrachloro-m-xylene	2.774	2.674	2.874	52.500	50.000	5.0

Quantitation Report (QT Reviewed)

Sample Results: **PL094052.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:41:44 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	135.7E6	171.4E6	50.381	52.497
28)	SA	Decachlor...	9.055	7.909	94416593	152.7E6	45.134	43.568
		Target Compounds						
2)	A	alpha-BHC	3.994	3.276	195.9E6	260.9E6	51.110	53.361
3)	MA	gamma-BHC...	4.327	3.606	184.5E6	247.4E6	50.107	52.181
4)	MA	Heptachlor	4.915	3.944	155.5E6	223.7E6	47.455	48.050
5)	MB	Aldrin	5.256	4.224	166.2E6	241.5E6	50.809	52.934
6)	B	beta-BHC	4.525	3.906	81023247	105.1E6	50.409	52.626
7)	B	delta-BHC	4.772	4.135	181.6E6	252.9E6	51.820	53.222
8)	B	Heptachlo...	5.683	4.726	144.3E6	216.1E6	48.534	51.700
9)	A	Endosulfan I	6.068	5.096	127.5E6	189.2E6	48.261	48.808
10)	B	gamma-Chl...	5.939	4.976	138.9E6	223.3E6	49.826	52.696
11)	B	alpha-Chl...	6.018	5.039	135.2E6	217.4E6	48.495	51.916
12)	B	4,4'-DDE	6.192	5.227	126.2E6	219.9E6	51.847	54.840m
13)	MA	Dieldrin	6.343	5.360	132.5E6	221.6E6	47.720	51.589
14)	MA	Endrin	6.572	5.636	105.4E6	188.0E6	44.960m	50.922
15)	B	Endosulfa...	6.793	5.931	111.3E6	186.2E6	46.183	50.273
16)	A	4,4'-DDD	6.709	5.784	101.9E6	177.7E6	53.640	56.311
17)	MA	4,4'-DDT	7.023	6.034	82856661	142.8E6	42.015	43.894
18)	B	Endrin al...	6.923	6.110	87669184	144.1E6	45.096	47.344
19)	B	Endosulfa...	7.158	6.333	103.0E6	174.8E6	45.500	49.013
20)	A	Methoxychlor	7.499	6.609	45232284	75099614	43.351	41.999
21)	B	Endrin ke...	7.643	6.838	113.2E6	195.1E6	44.862	46.512
22)		Mirex	8.116	7.018	87777648	149.2E6	42.150	44.110

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:50
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

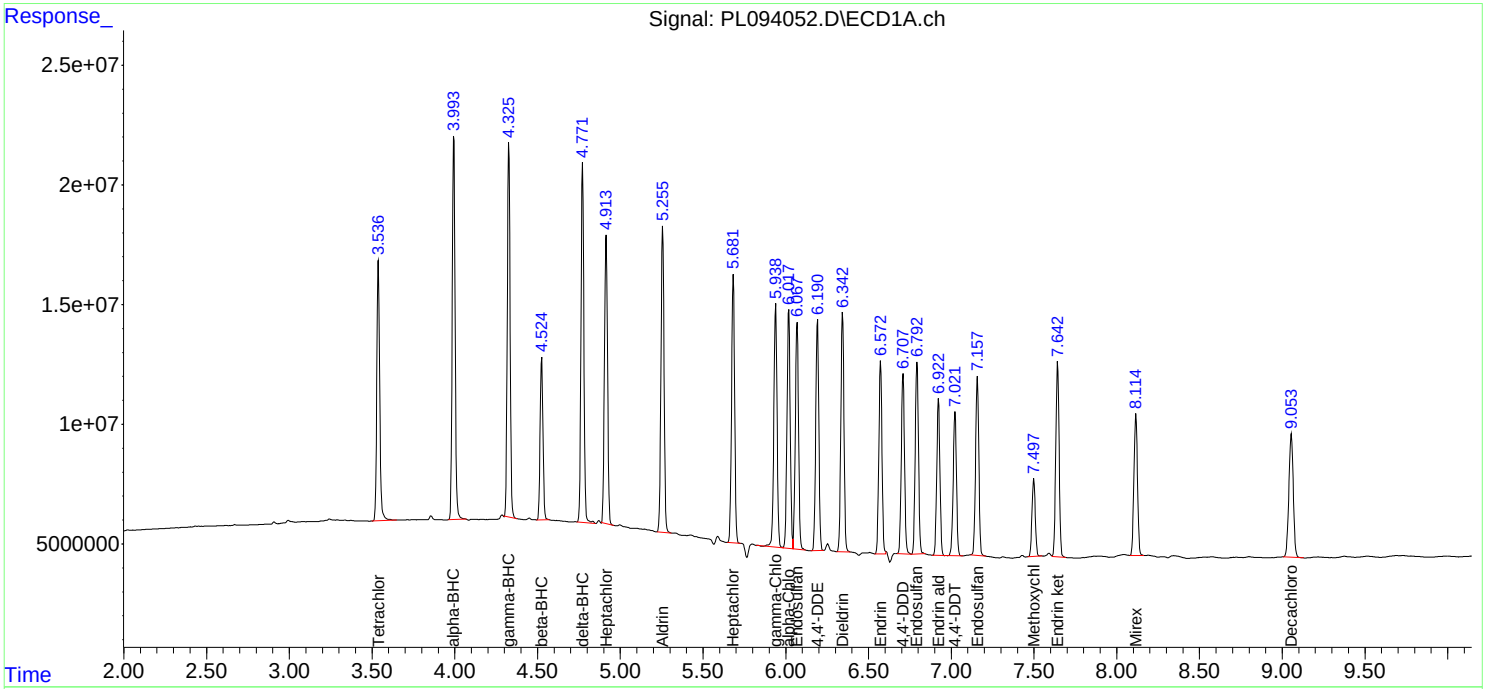
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

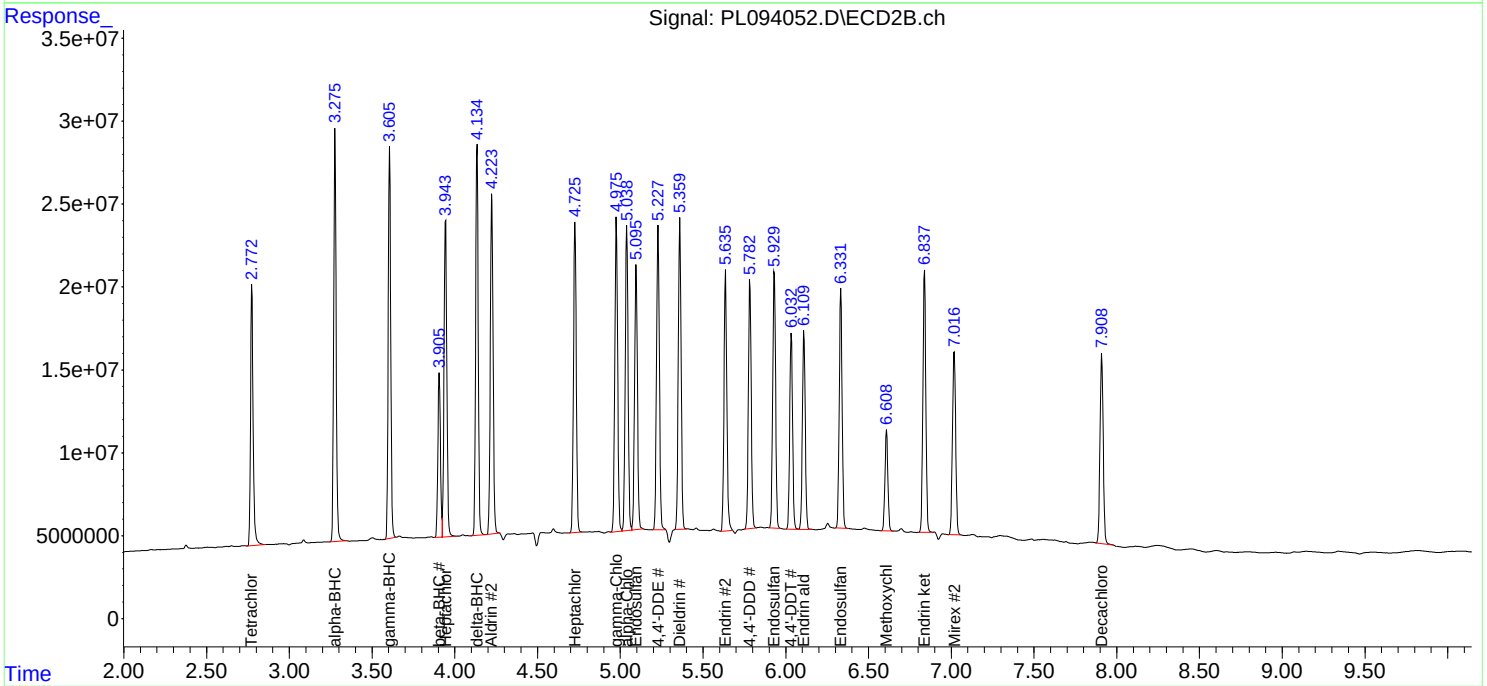
Manual Integrations APPROVED

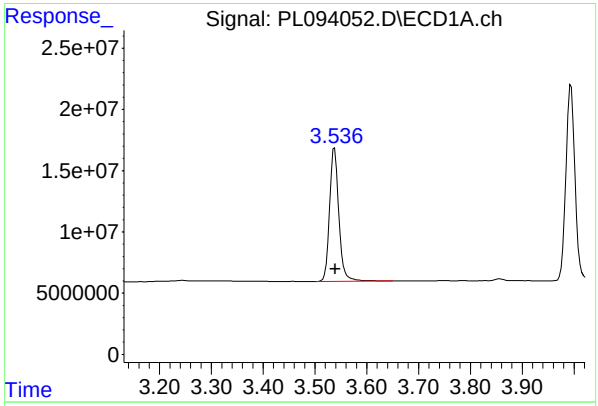
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:41:44 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







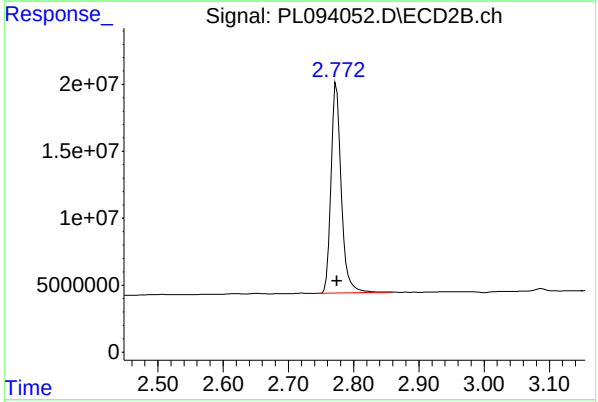
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 135663003
Conc: 50.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

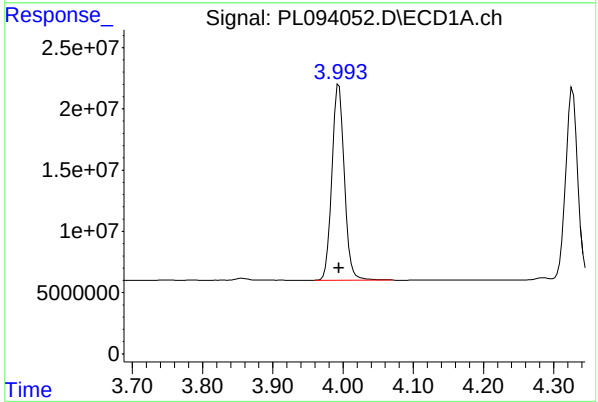
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



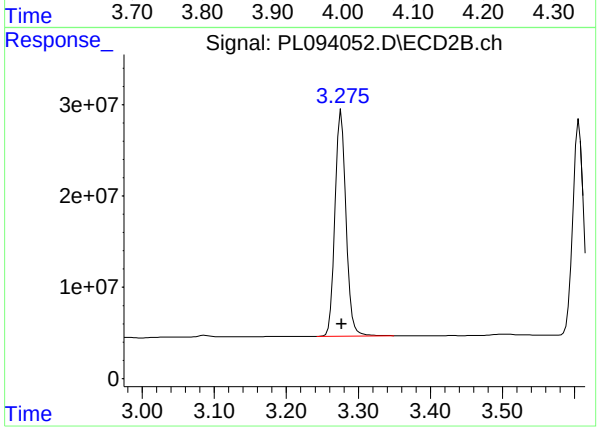
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 171359160
Conc: 52.50 ng/ml



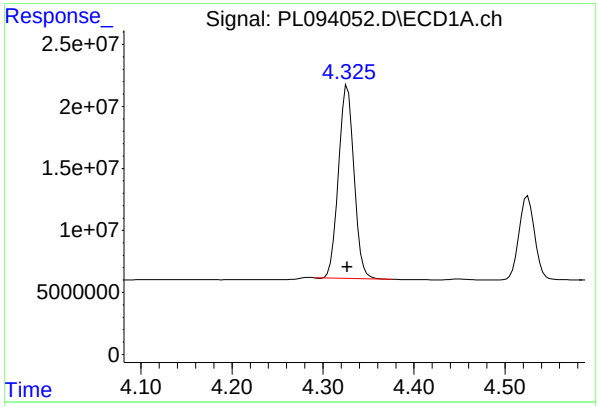
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 195949543
Conc: 51.11 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 260881607
Conc: 53.36 ng/ml



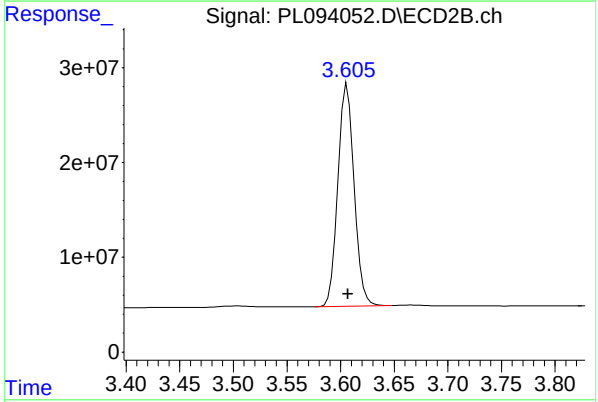
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 184536086
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

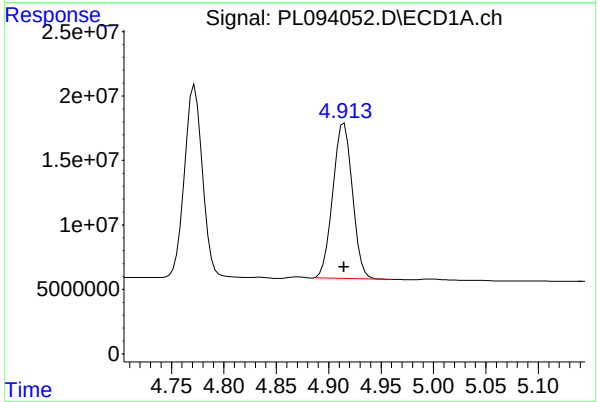
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



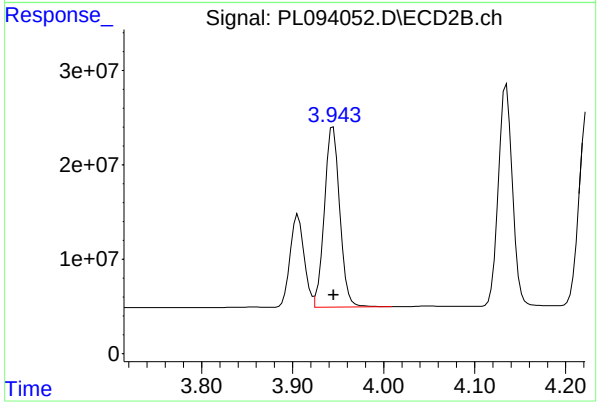
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 247401694
Conc: 52.18 ng/ml



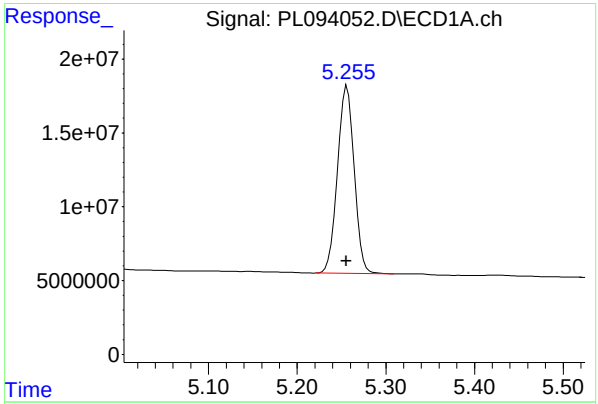
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 155525190
Conc: 47.45 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 223661233
Conc: 48.05 ng/ml



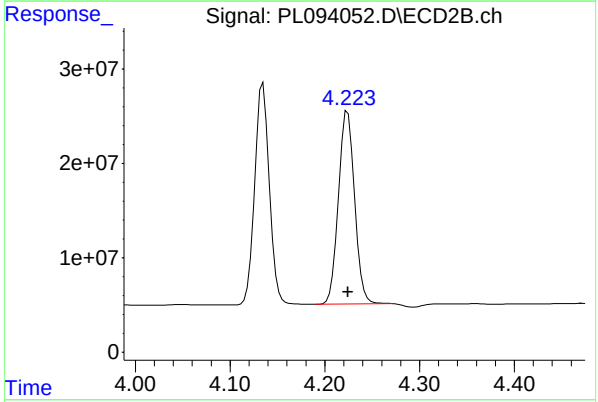
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 166245192
Conc: 50.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

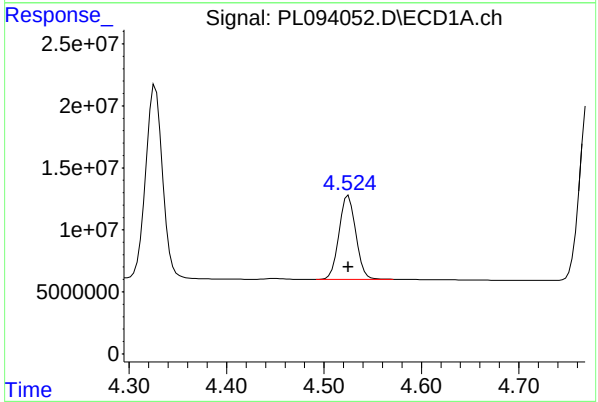
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



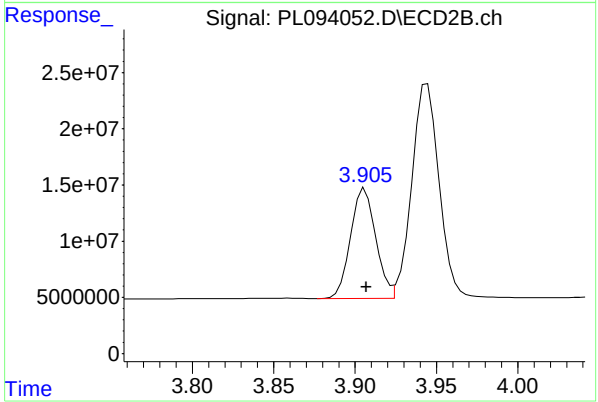
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 241473958
Conc: 52.93 ng/ml



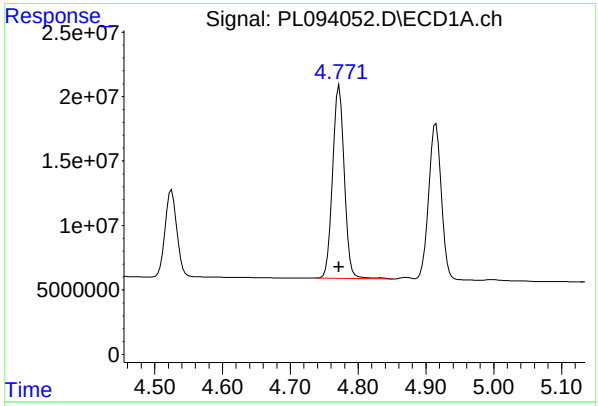
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81023247
Conc: 50.41 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 105117037
Conc: 52.63 ng/ml



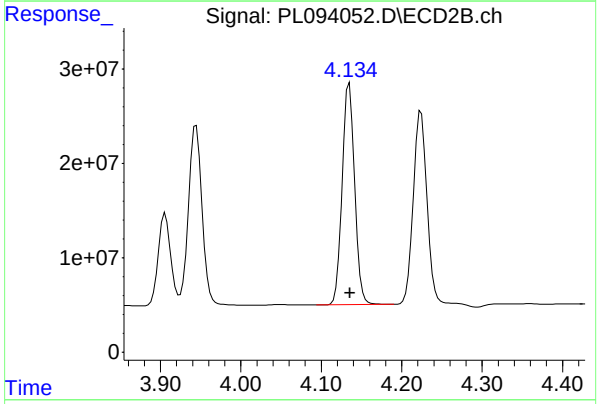
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181645451
Conc: 51.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

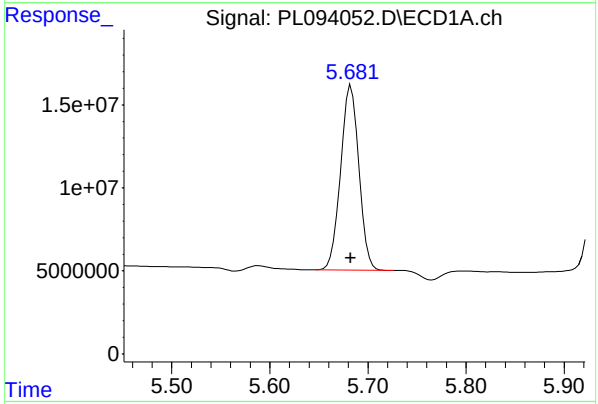
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



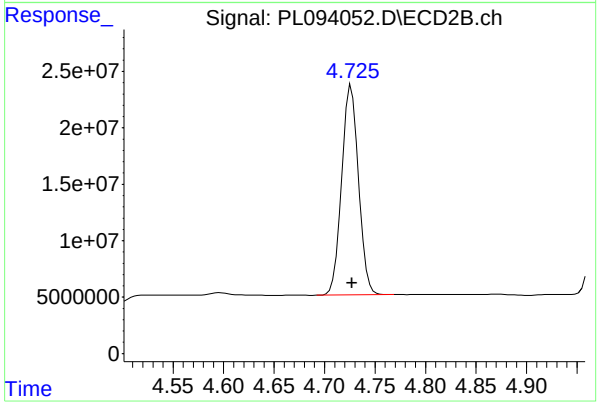
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 252870675
Conc: 53.22 ng/ml



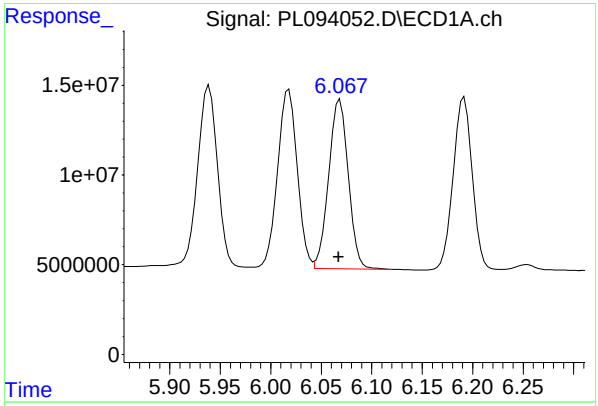
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 144333078
Conc: 48.53 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 216117629
Conc: 51.70 ng/ml



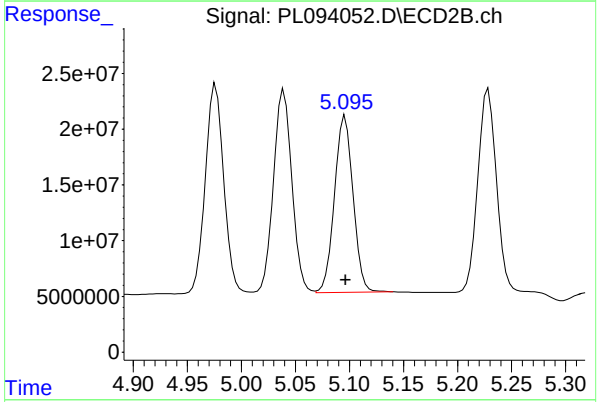
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.001 min
Response: 127546790
Conc: 48.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

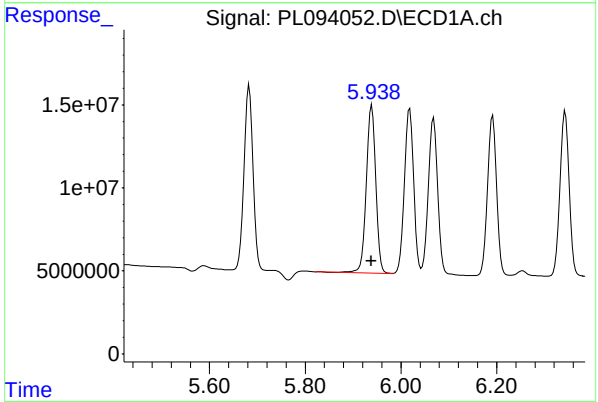
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



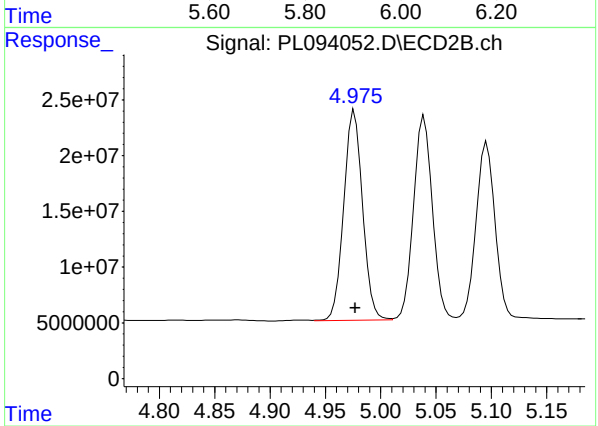
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 189223350
Conc: 48.81 ng/ml



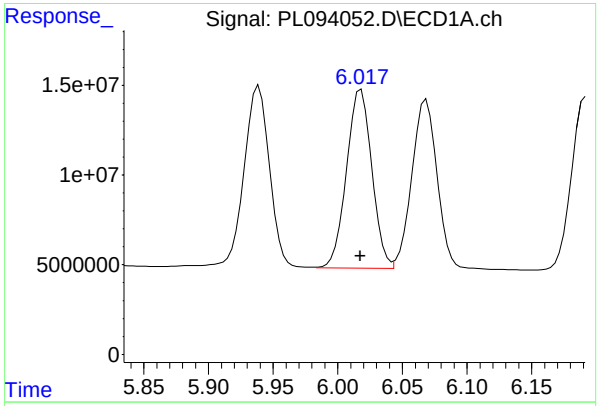
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 138882701
Conc: 49.83 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 223307064
Conc: 52.70 ng/ml



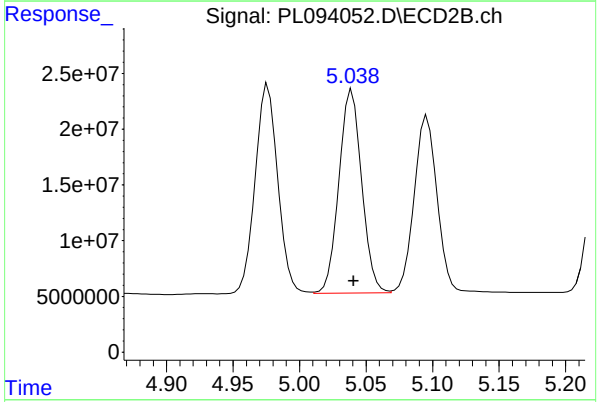
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 mi
Response: 135224518
Conc: 48.50 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

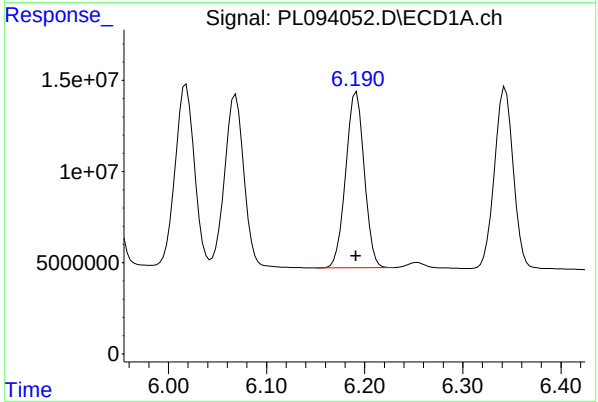
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



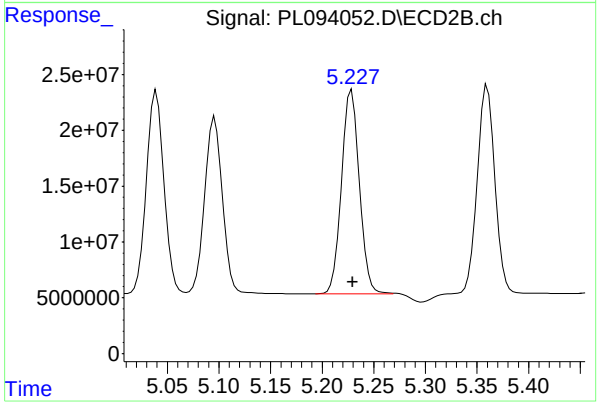
#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.001 min
Response: 217350123
Conc: 51.92 ng/ml



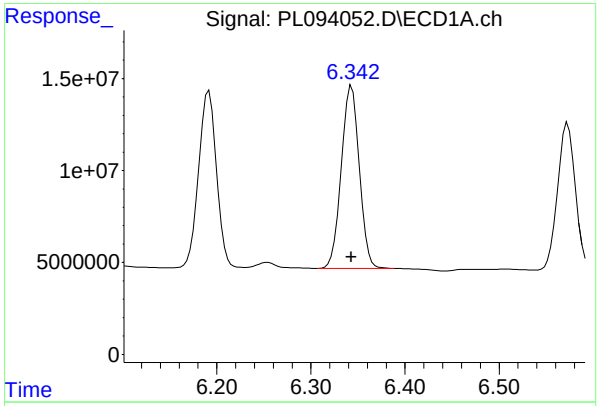
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 126225920
Conc: 51.85 ng/ml



#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: -0.002 min
Response: 219881270
Conc: 54.84 ng/ml m



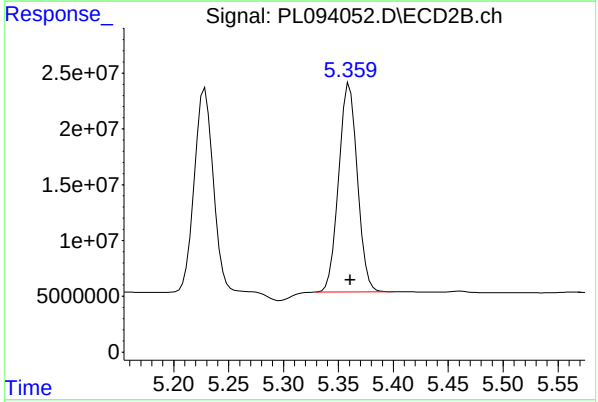
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 132462625
Conc: 47.72 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

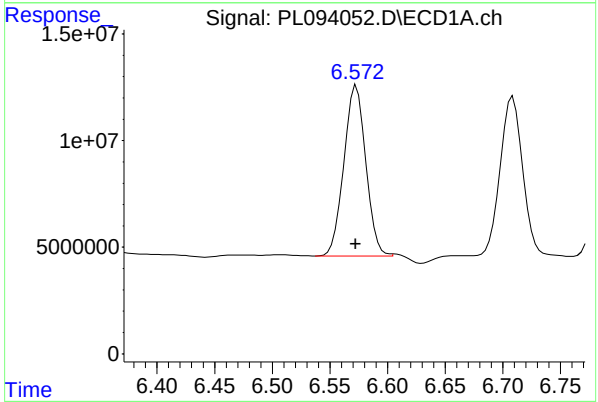
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



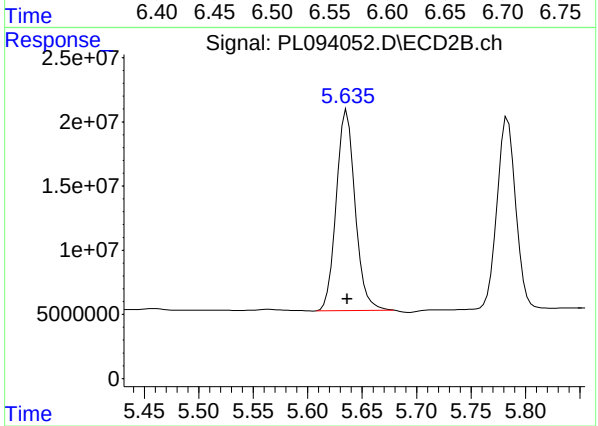
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 221608374
Conc: 51.59 ng/ml



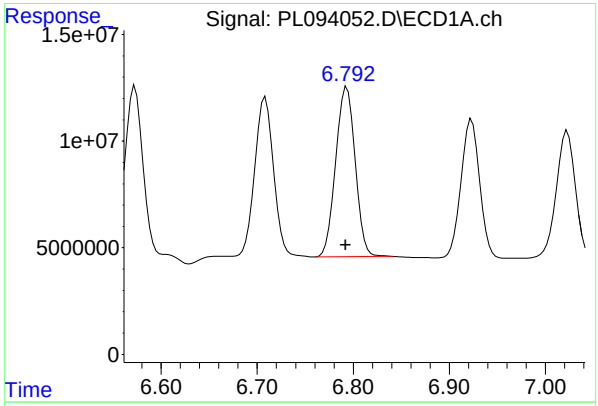
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 105422906
Conc: 44.96 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 188039907
Conc: 50.92 ng/ml



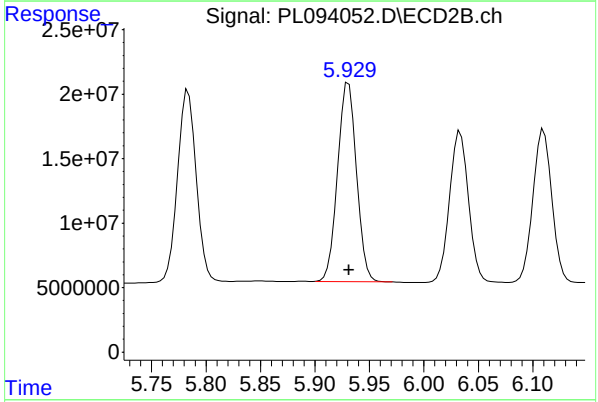
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 111272217
Conc: 46.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

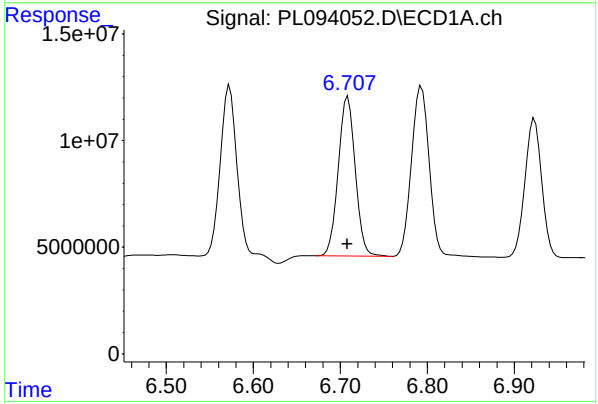
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



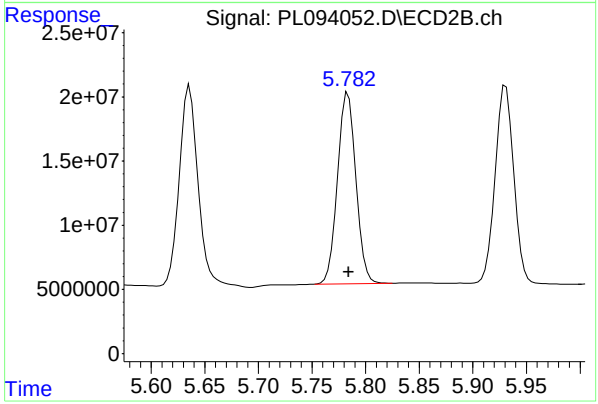
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 186203655
Conc: 50.27 ng/ml



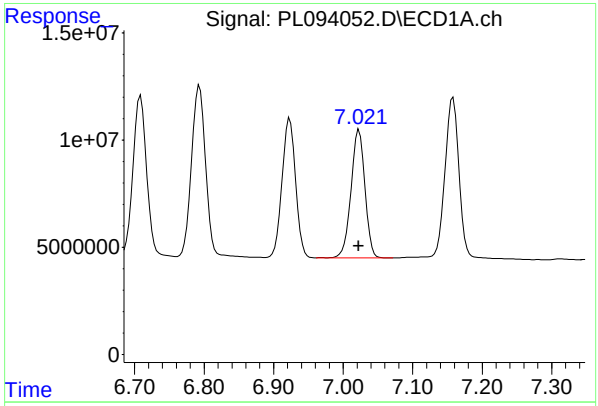
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 101945300
Conc: 53.64 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 177746719
Conc: 56.31 ng/ml



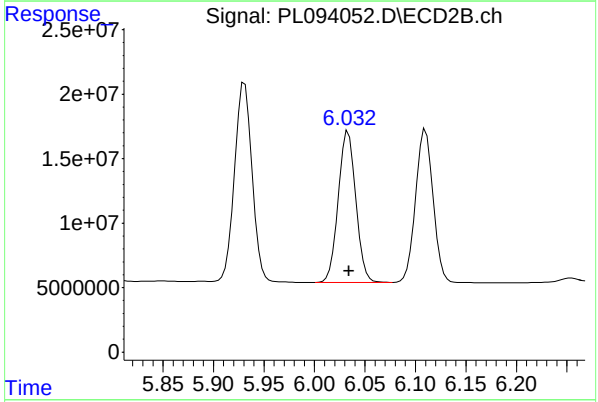
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 82856661
Conc: 42.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

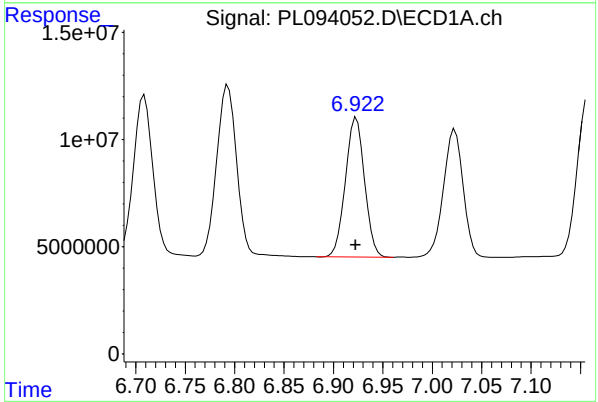
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



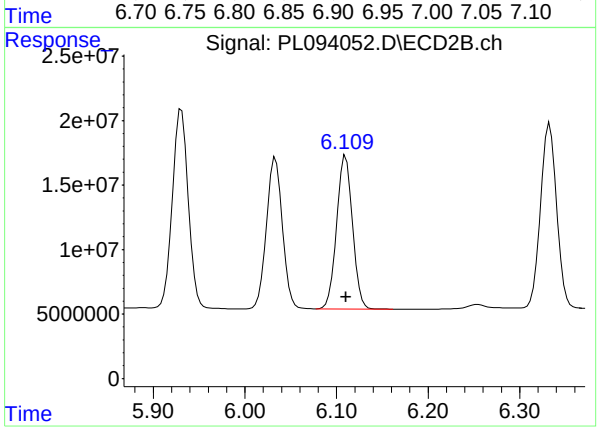
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 142832565
Conc: 43.89 ng/ml



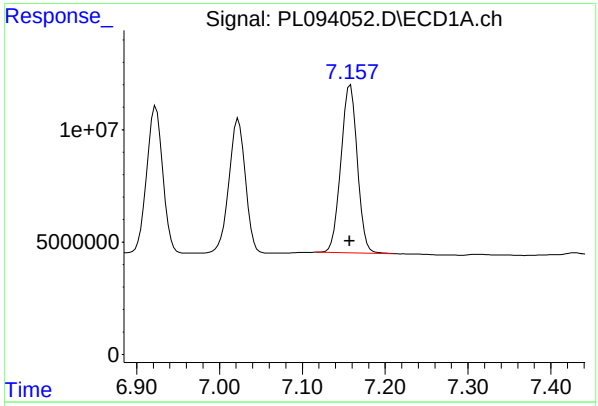
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 87669184
Conc: 45.10 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 144144230
Conc: 47.34 ng/ml



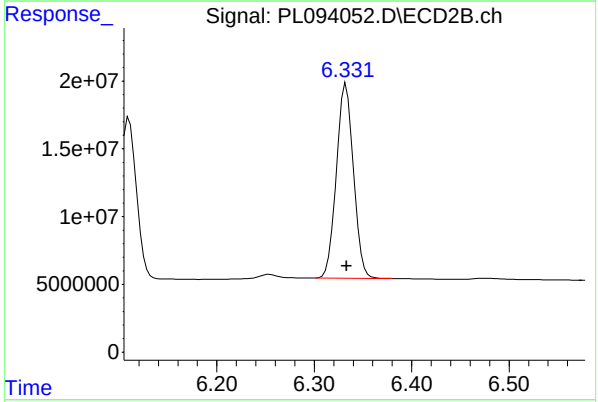
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 102999638
Conc: 45.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

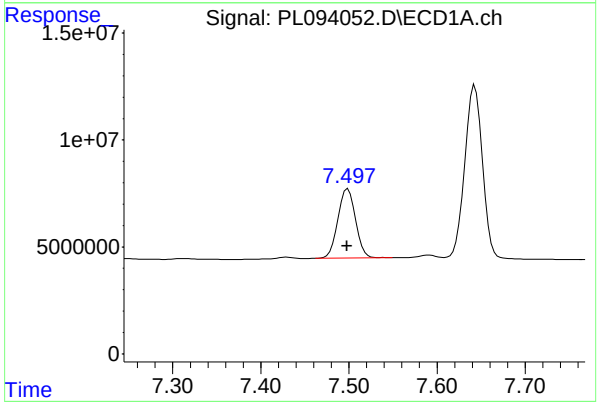
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



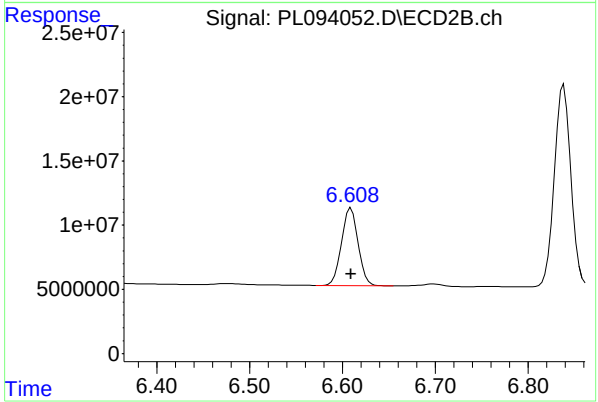
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 174785710
Conc: 49.01 ng/ml



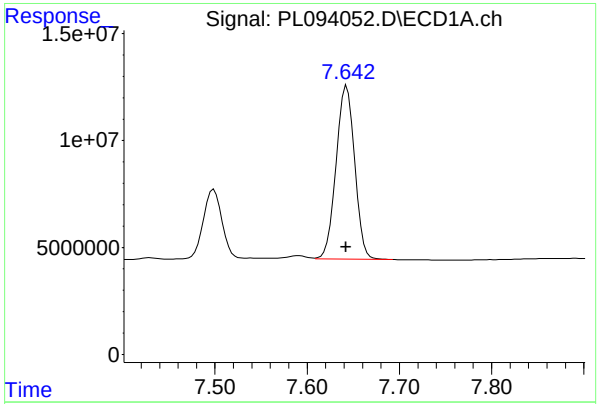
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 45232284
Conc: 43.35 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 75099614
Conc: 42.00 ng/ml



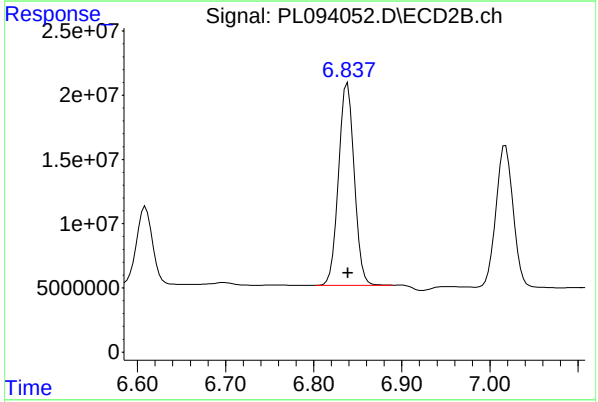
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.001 min
Response: 113170701
Conc: 44.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

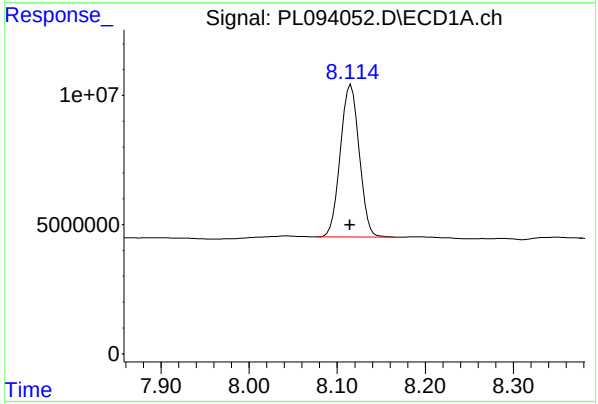
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



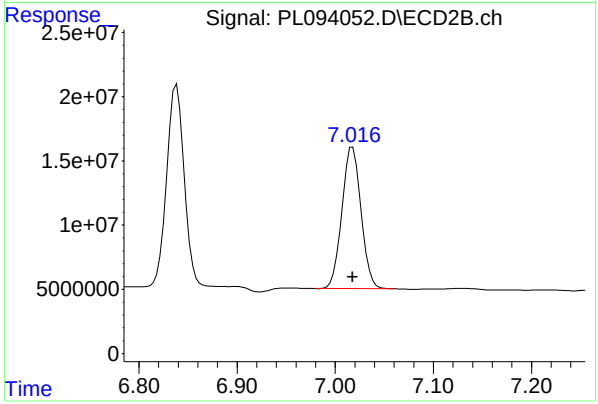
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 195128355
Conc: 46.51 ng/ml



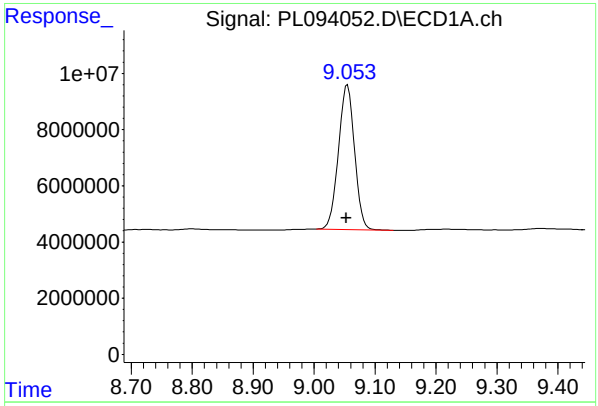
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 87777648
Conc: 42.15 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 149176569
Conc: 44.11 ng/ml



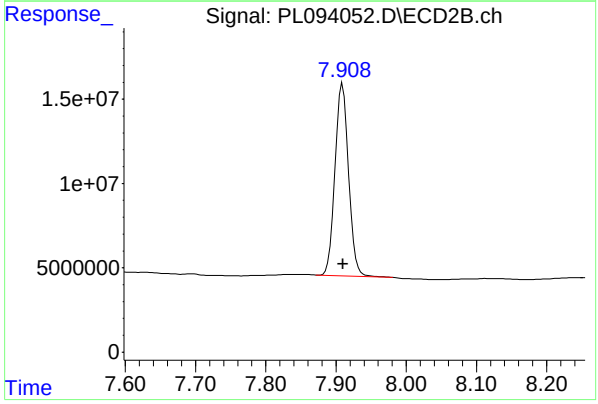
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 94416593
Conc: 45.13 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 152666215
Conc: 43.57 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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

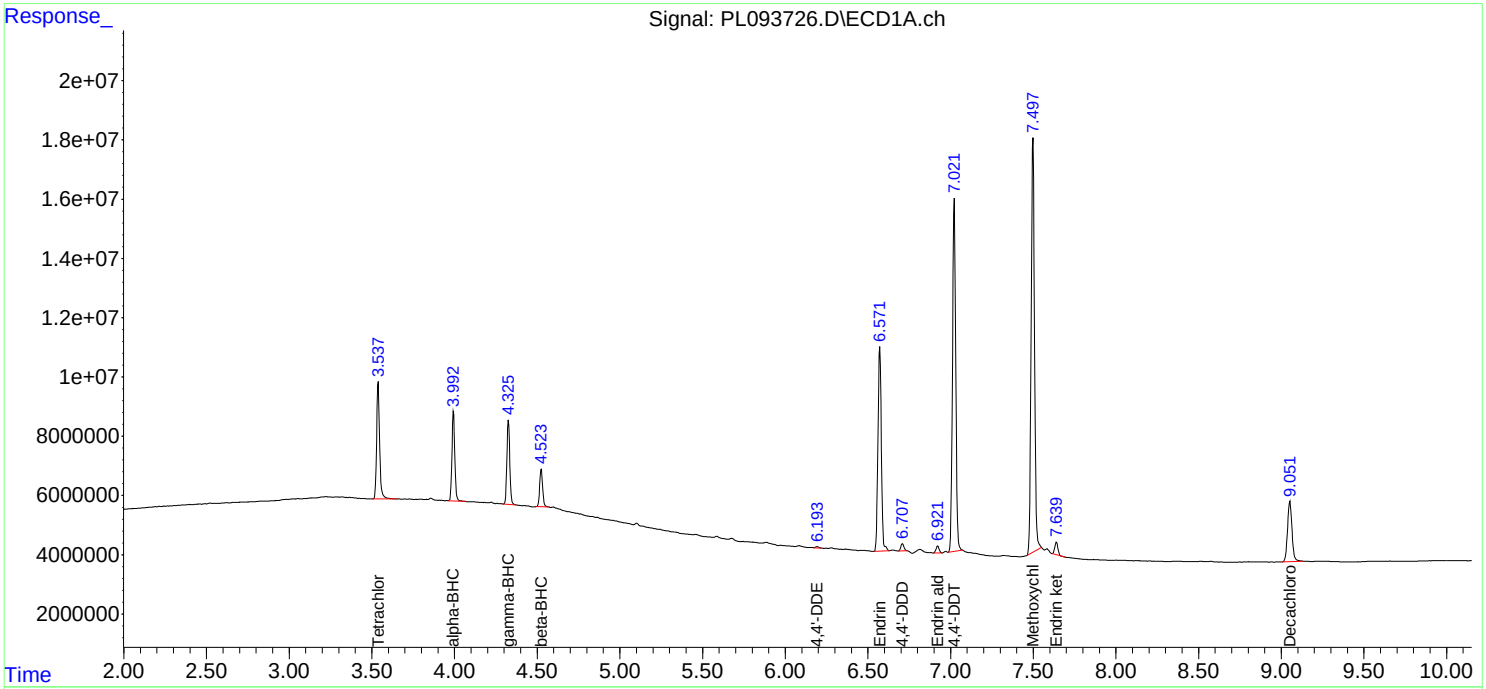
Instrument :
ECD_L
ClientSampleId :
PEM

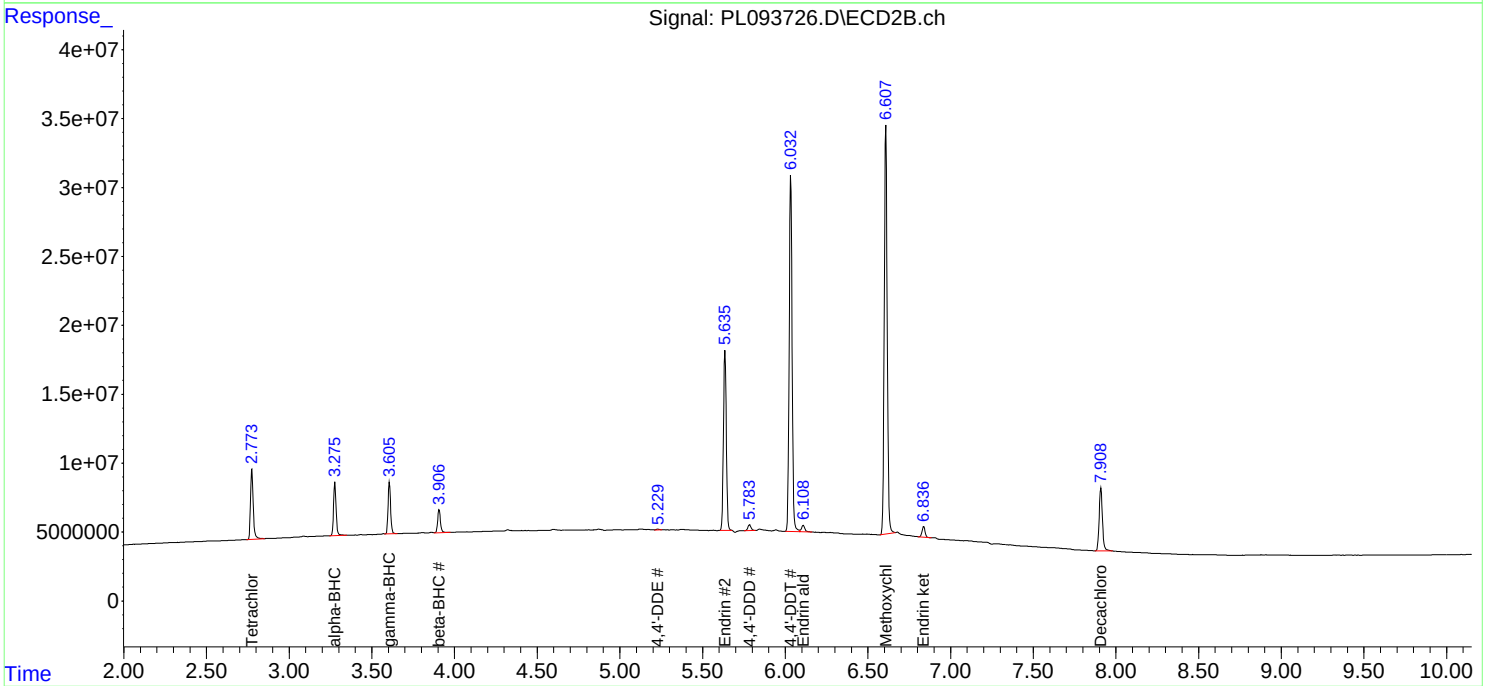
Manual Integrations APPROVED

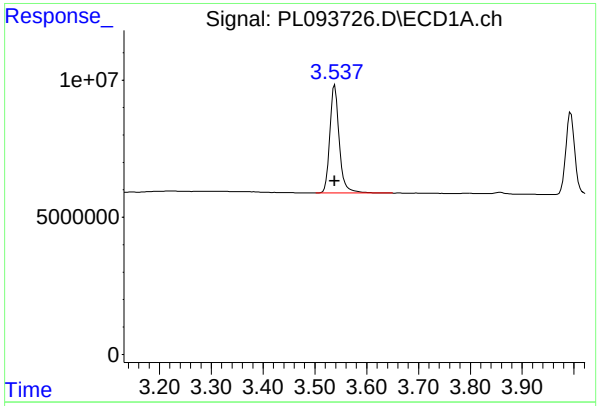
Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

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







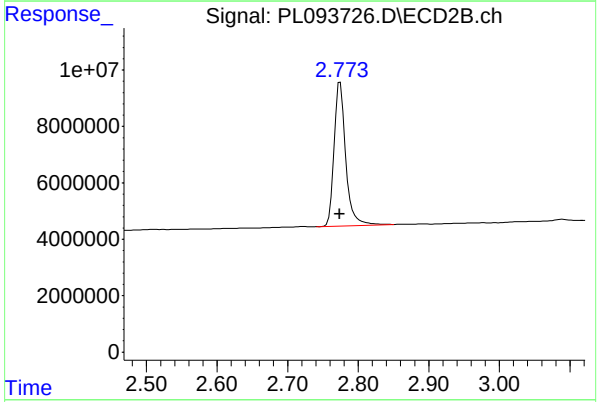
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

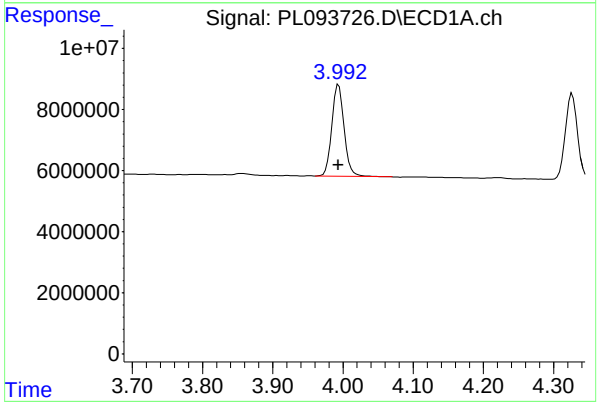
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



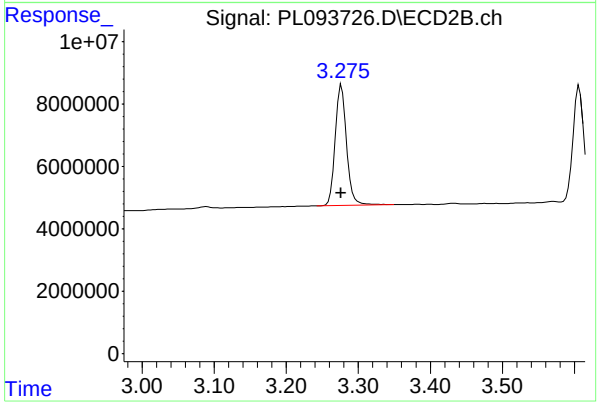
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



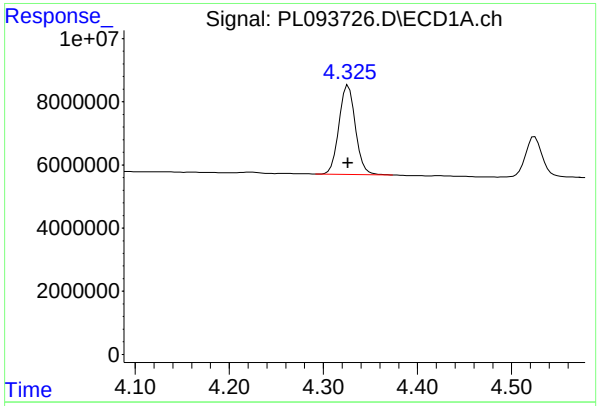
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



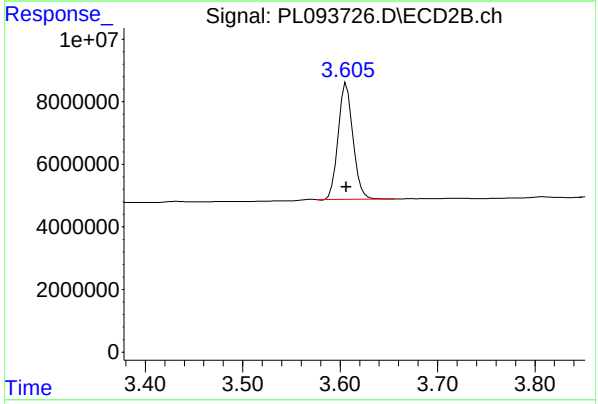
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

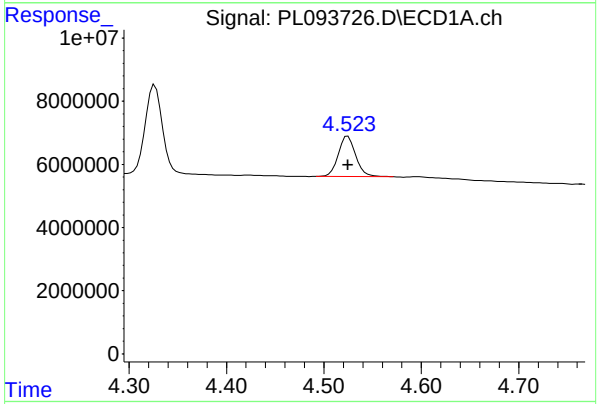
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



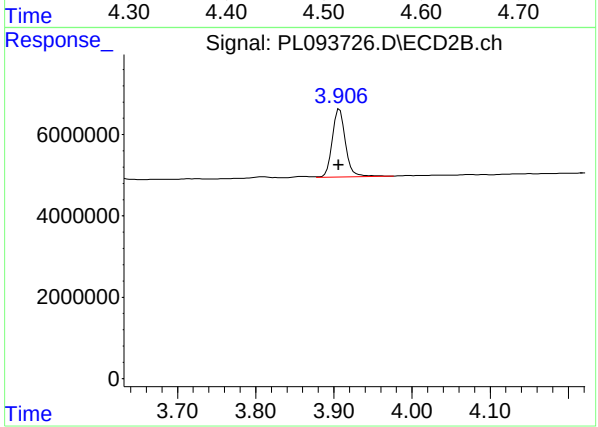
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



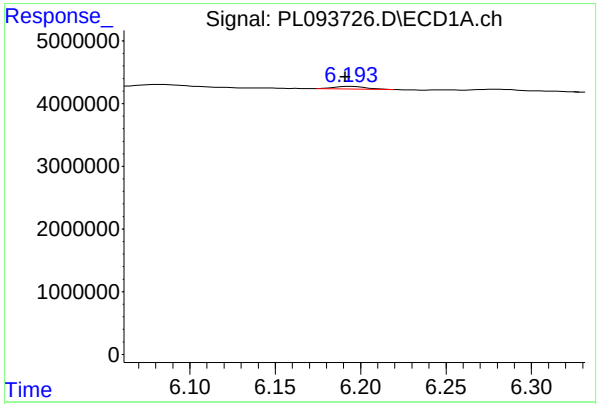
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



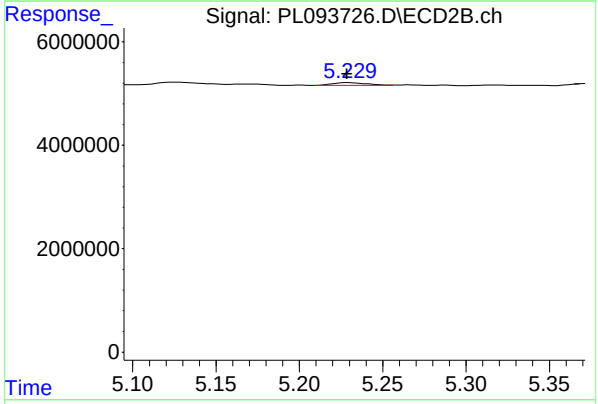
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 560248
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

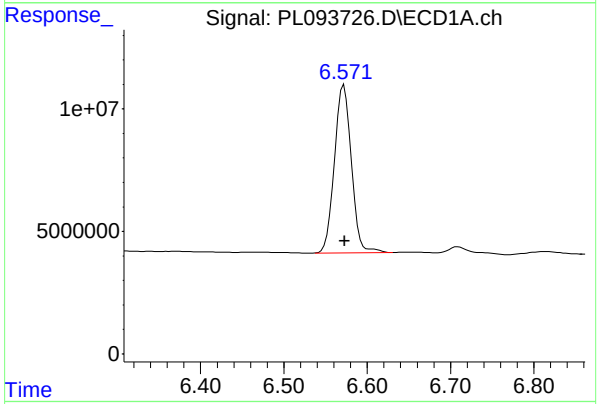
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



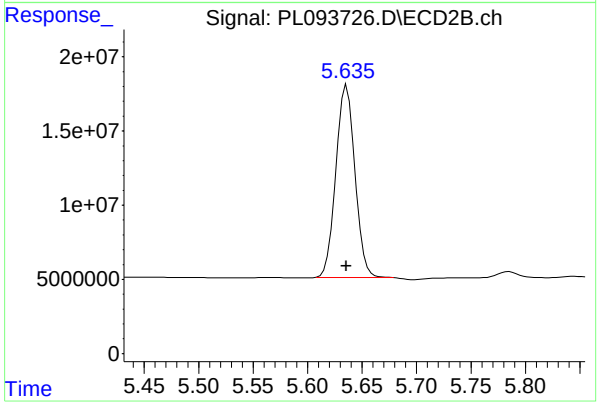
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



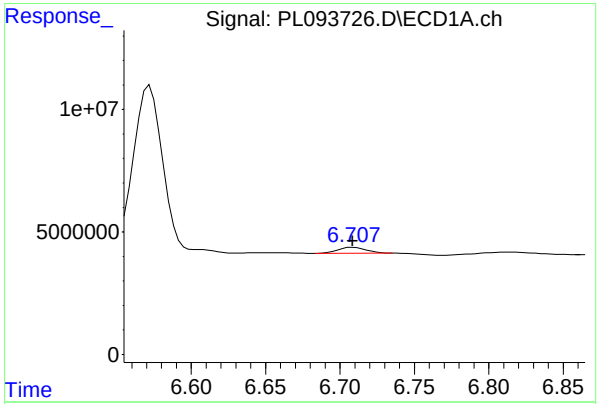
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



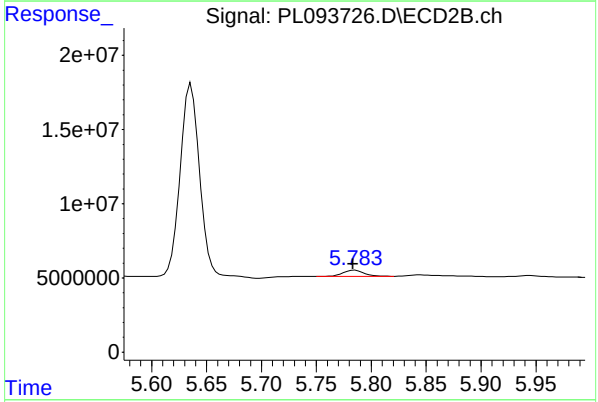
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3354680
Conc: 1.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

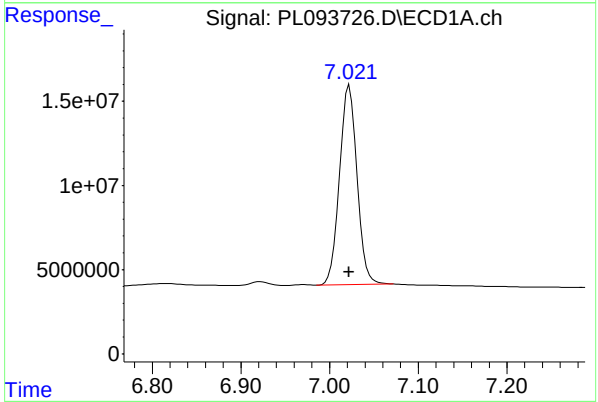
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



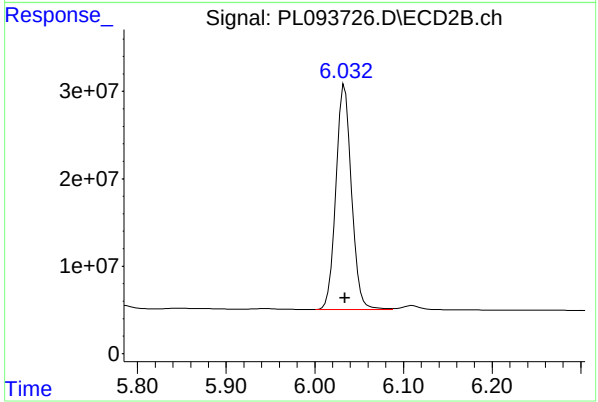
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



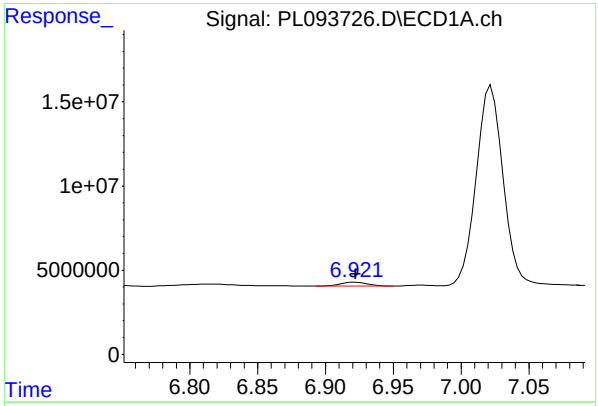
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



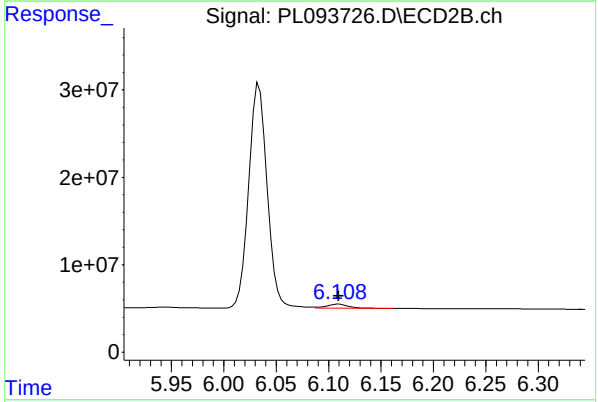
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 3175682
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

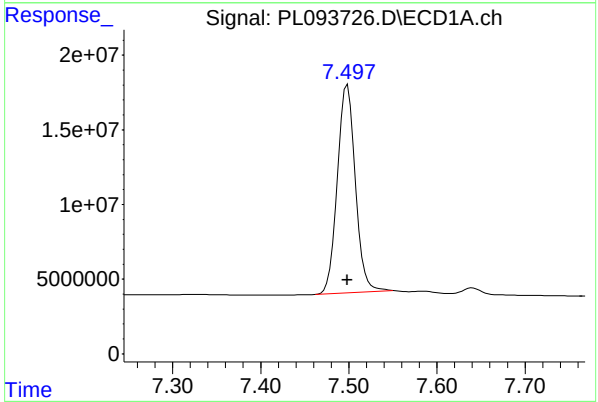
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



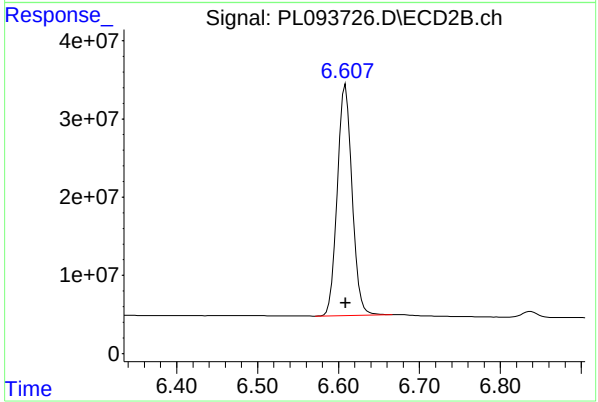
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



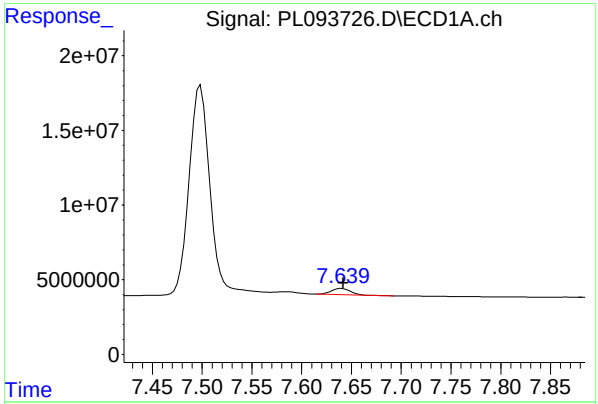
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



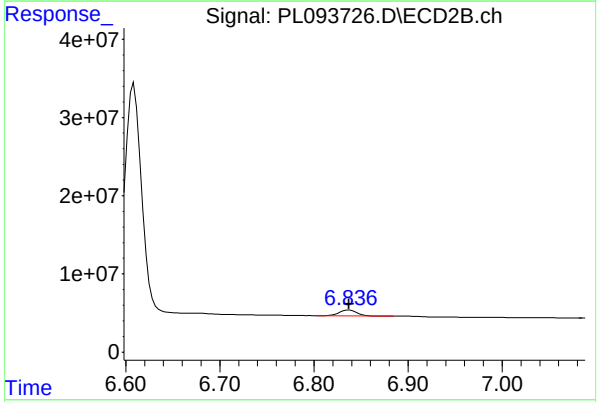
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

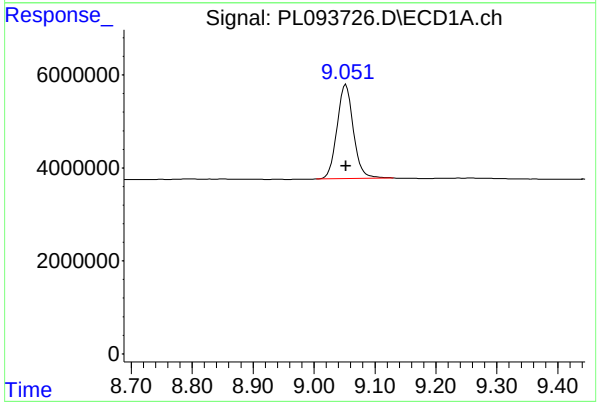
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



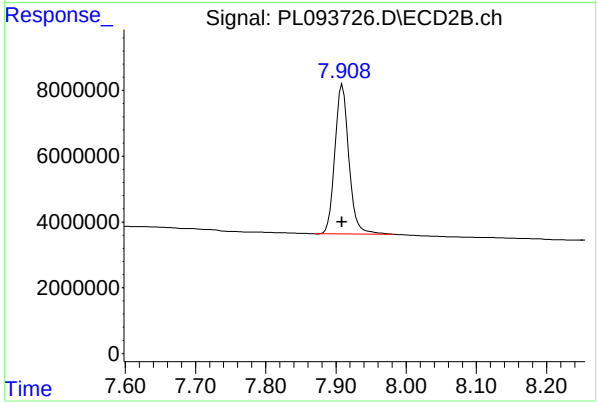
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No. (PEM): PEM - PL094000.D **Date Analyzed:** 02/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 17:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.053	8.950	9.150	19.750	20.000	-1.3
Tetrachloro-m-xylene	3.538	3.490	3.590	21.100	20.000	5.5
alpha-BHC	3.993	3.940	4.040	11.200	10.000	12.0
beta-BHC	4.525	4.470	4.580	11.440	10.000	14.4
gamma-BHC (Lindane)	4.326	4.280	4.380	10.850	10.000	8.5
Endrin	6.571	6.500	6.640	44.210	50.000	-11.6
4,4'-DDT	7.022	6.950	7.090	97.410	100.000	-2.6
Methoxychlor	7.499	7.430	7.570	235.970	250.000	-5.6

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

Client Sample No. (PEM): PEM - PL094000.D **Date Analyzed:** 02/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 17:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	19.650	20.000	-1.8
Tetrachloro-m-xylene	2.774	2.720	2.820	19.890	20.000	-0.6
alpha-BHC	3.276	3.230	3.330	9.680	10.000	-3.2
beta-BHC	3.906	3.860	3.960	10.710	10.000	7.1
gamma-BHC (Lindane)	3.606	3.560	3.660	9.120	10.000	-8.8
Endrin	5.636	5.570	5.710	48.990	50.000	-2.0
4,4'-DDT	6.034	5.960	6.100	114.120	100.000	14.1
Methoxychlor	6.609	6.540	6.680	256.680	250.000	2.7

PEM

Data File: PL094000.D **Date Acquired** 2/3/2025 17:08

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	103659263.1	113631546.6	9972283.48	**8.78**
Endrin aldehyde	6.92	2888458.844			
Endrin ketone	7.64	7083824.636			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	180905544	197567914.5	16662370.6	**8.43**
Endrin aldehyde #2	6.11	6385829.58			
Endrin ketone #2	6.84	10276540.97			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	192105181.4	196689387.8	4584206.41	**2.33**
4,4'-DDE	6.19	327928.837			
4,4'-DDD	6.71	4256277.568			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	371341474.7	380234380.1	8892905.34	**2.34**
4,4'-DDE #2	5.23	962285.137			
4,4'-DDD #2	5.78	7930620.206			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 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 00:45:43 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	56824914	64914065	21.103	19.887
28)	SA Decachlor...	9.053	7.909	41311740	68838920	19.748	19.645
	Target Compounds						
2)	A alpha-BHC	3.993	3.276	42936616	47329166	11.199	9.681
3)	MA gamma-BHC...	4.326	3.606	39953405	43250367	10.849	9.122
6)	B beta-BHC	4.525	3.906	18394760	21386378	11.444	10.707
12)	B 4,4'-DDE	6.189	5.228	327929	962285	0.135m	0.240m#
14)	MA Endrin	6.571	5.636	103.7E6	180.9E6	44.208m	48.990
16)	A 4,4'-DDD	6.708	5.784	4256278	7930620	2.239m	2.512
17)	MA 4,4'-DDT	7.022	6.034	192.1E6	371.3E6	97.414m	114.117
18)	B Endrin al...	6.920	6.109	2888459	6385830	1.486m	2.097 #
20)	A Methoxychlor	7.499	6.609	246.2E6	459.0E6	235.974	256.681
21)	B Endrin ke...	7.640	6.837	7083825	10276541	2.808m	2.450

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

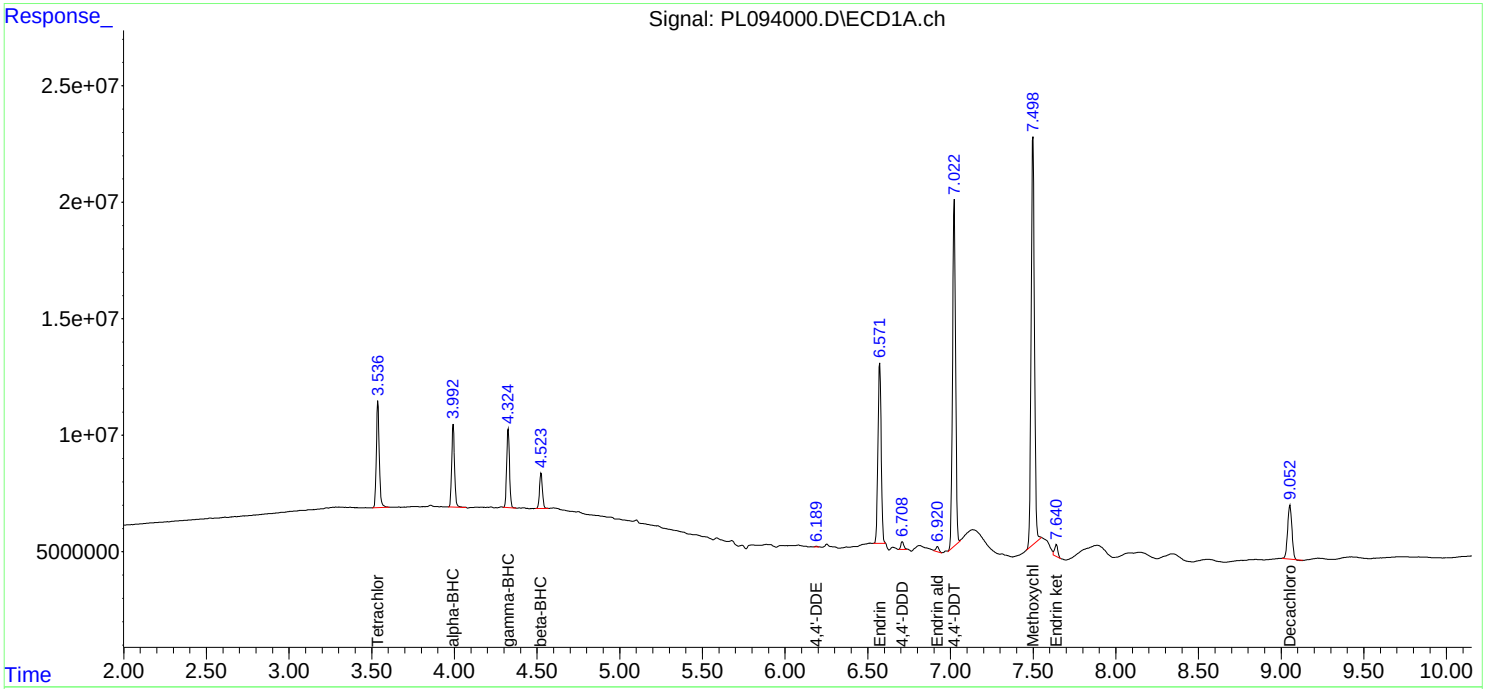
Instrument :
ECD_L
ClientSampleId :
PEM

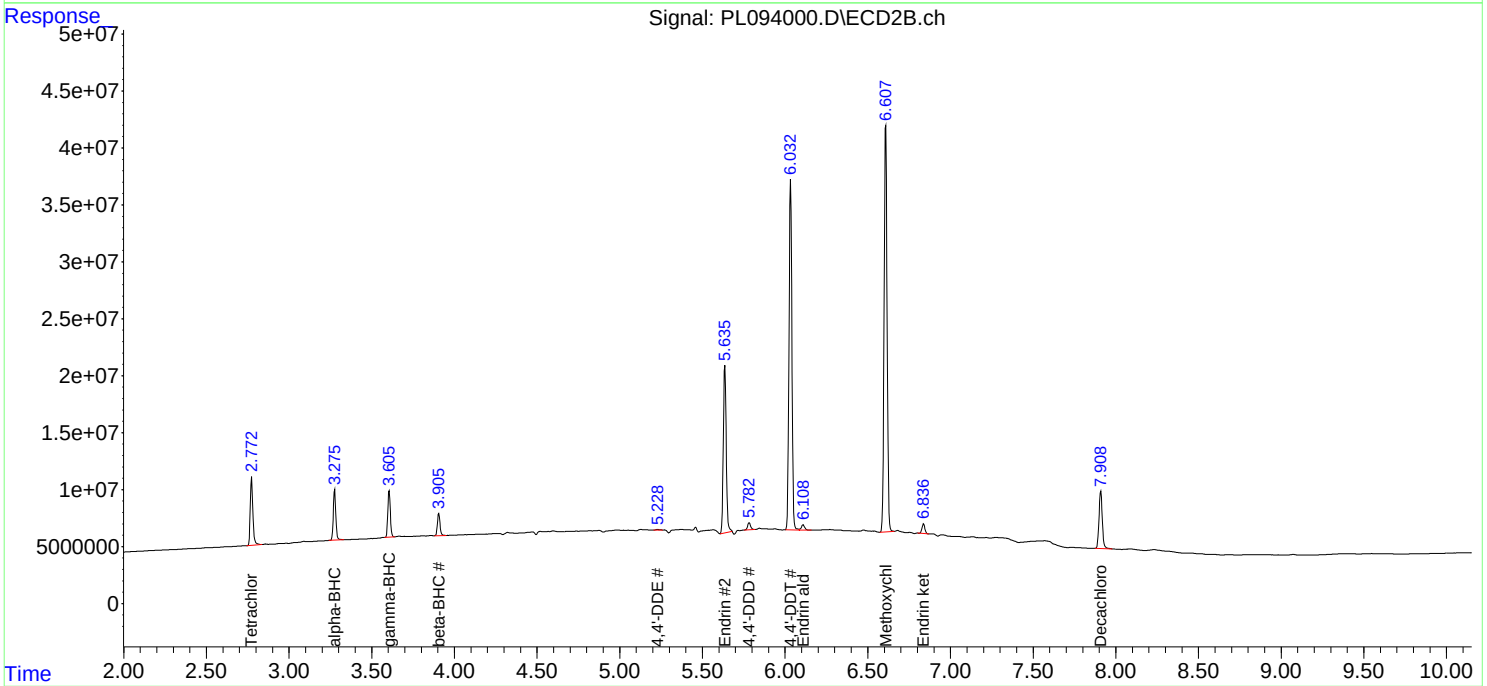
Manual Integrations APPROVED

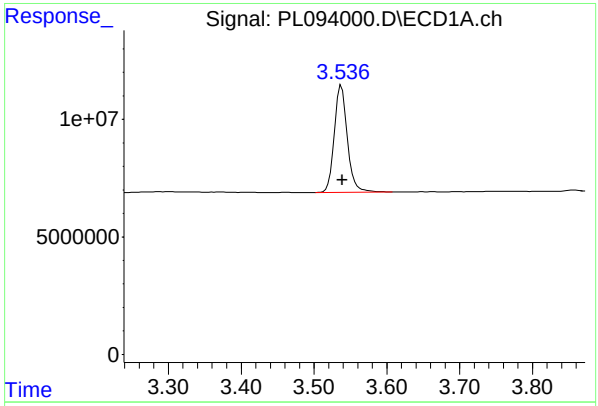
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:45:43 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







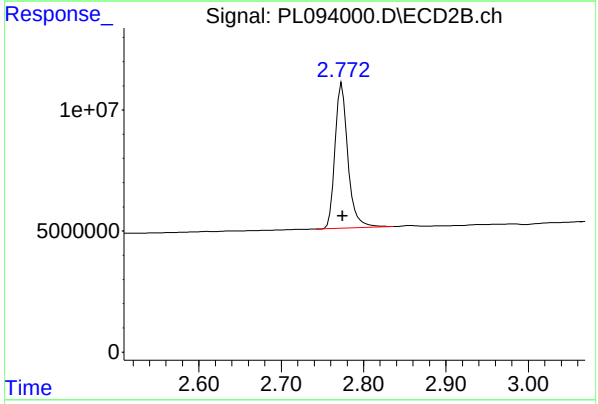
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 56824914
Conc: 21.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

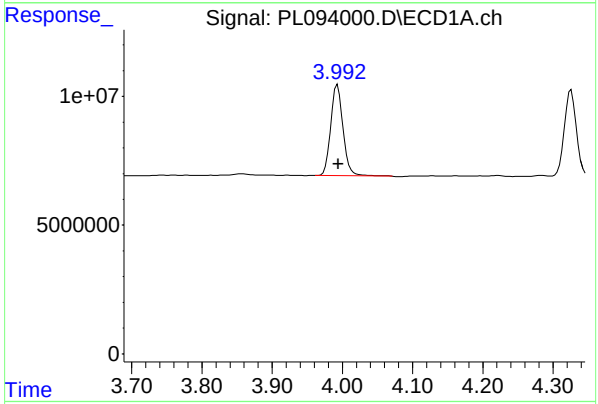
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



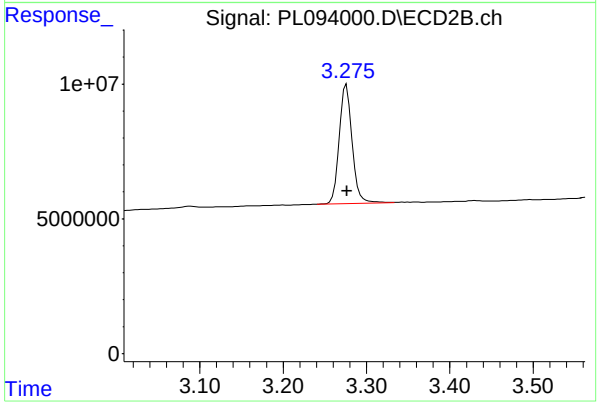
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 64914065
Conc: 19.89 ng/ml



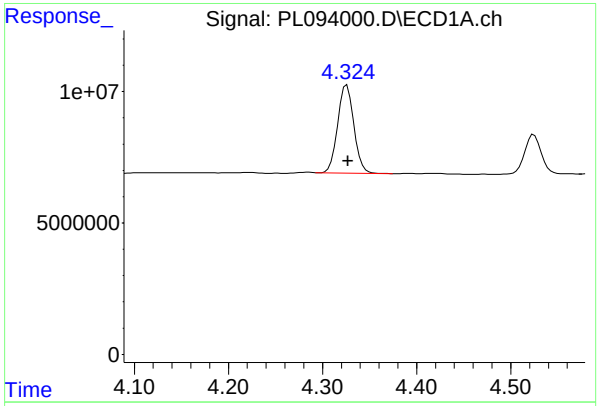
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 42936616
Conc: 11.20 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 47329166
Conc: 9.68 ng/ml



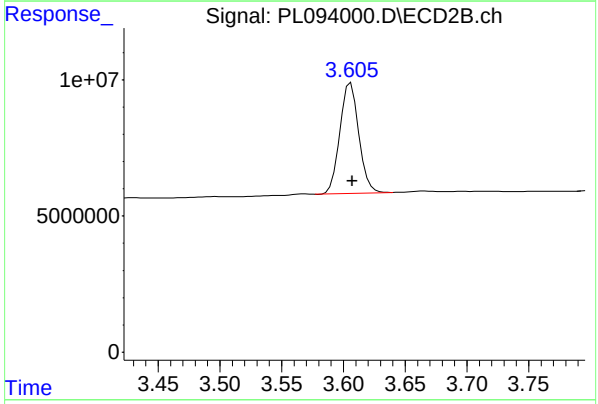
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 39953405
Conc: 10.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

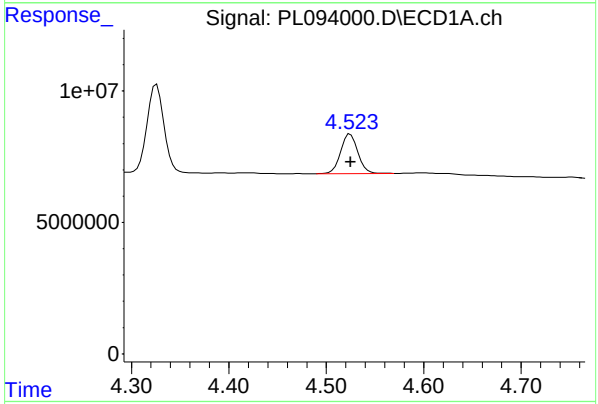
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



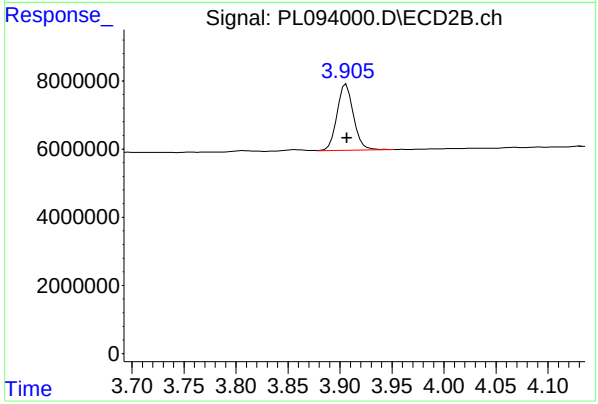
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 43250367
Conc: 9.12 ng/ml



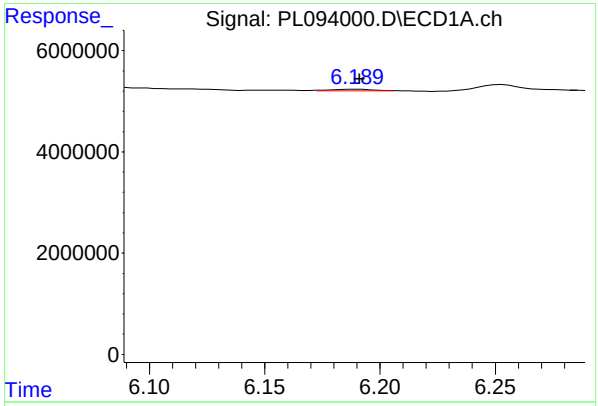
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 18394760
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 21386378
Conc: 10.71 ng/ml



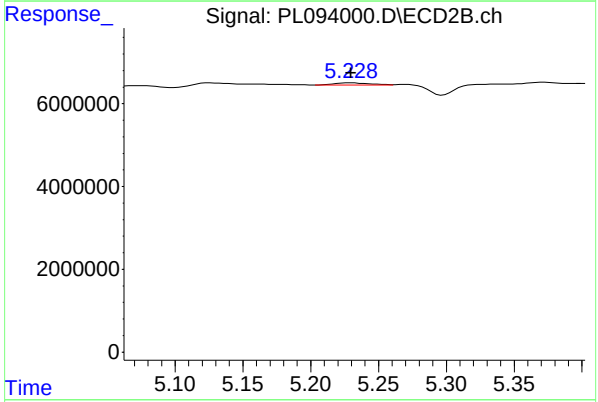
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 327929
Conc: 0.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

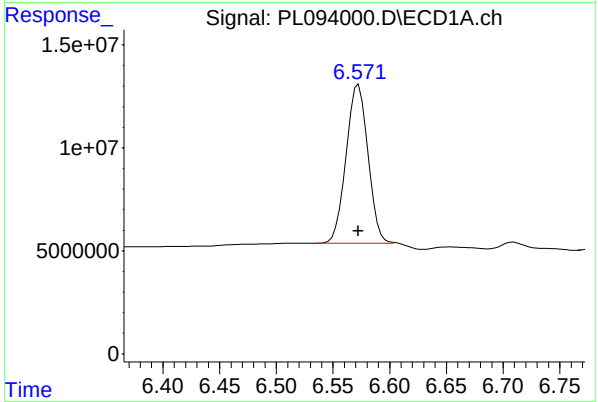
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



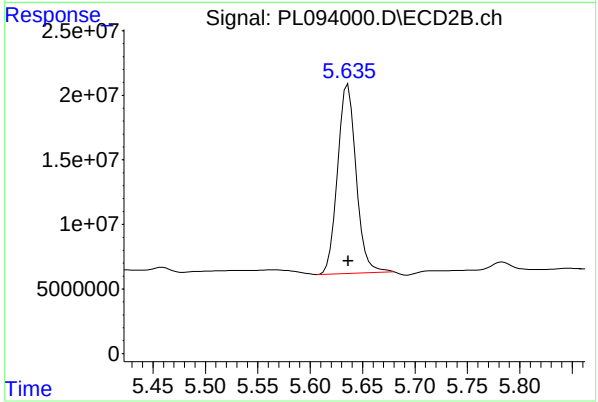
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.002 min
Response: 962285
Conc: 0.24 ng/ml m



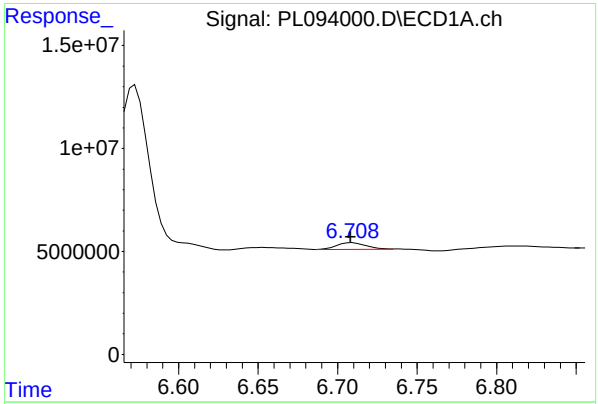
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 103659263
Conc: 44.21 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 180905544
Conc: 48.99 ng/ml



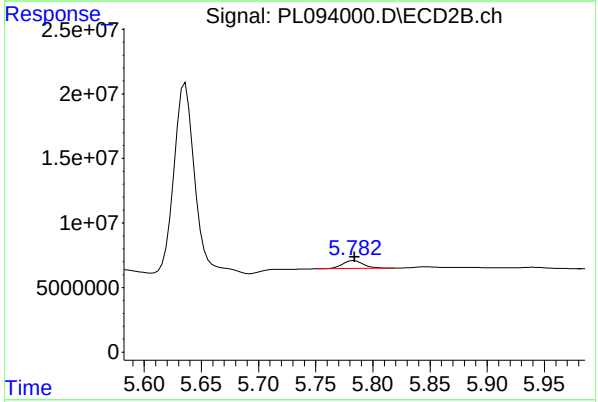
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 mi
Response: 4256278
Conc: 2.24 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

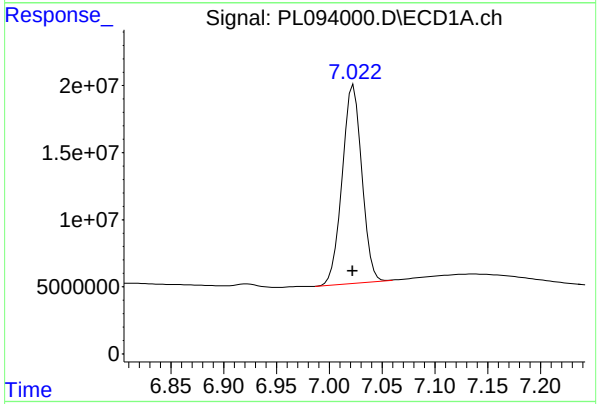
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



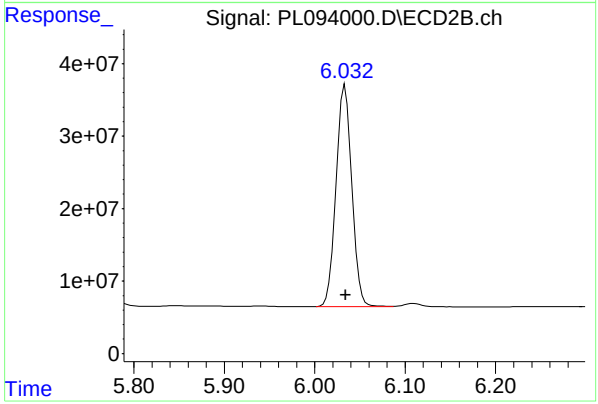
#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 7930620
Conc: 2.51 ng/ml



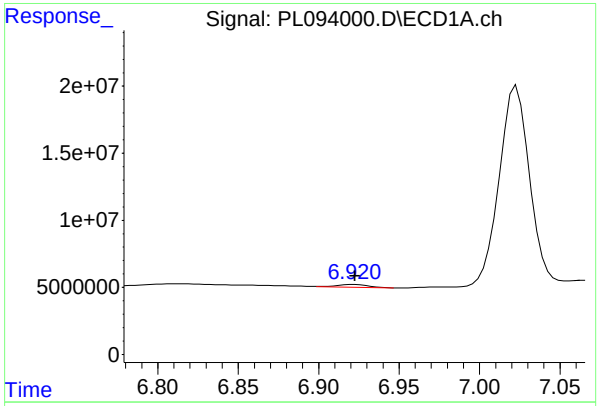
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 192105181
Conc: 97.41 ng/ml m



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 371341475
Conc: 114.12 ng/ml



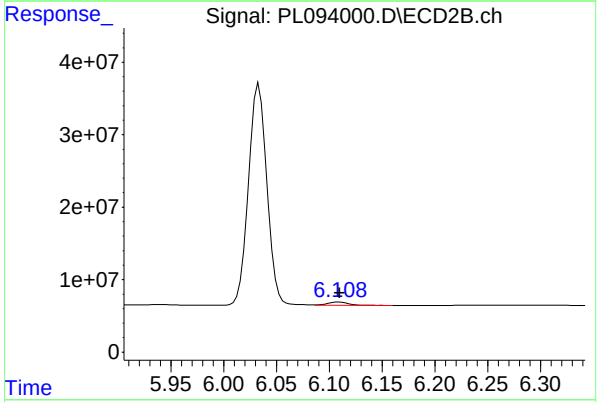
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.002 min
Response: 2888459
Conc: 1.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

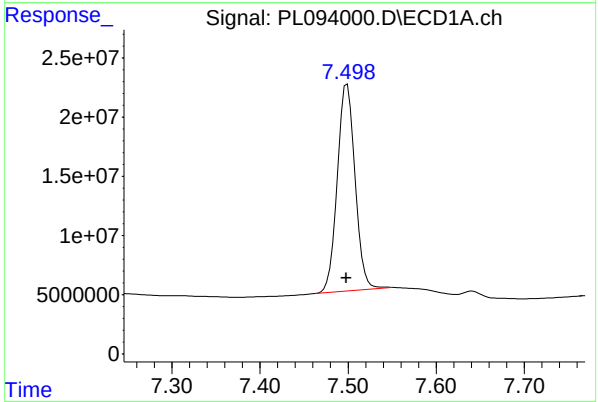
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



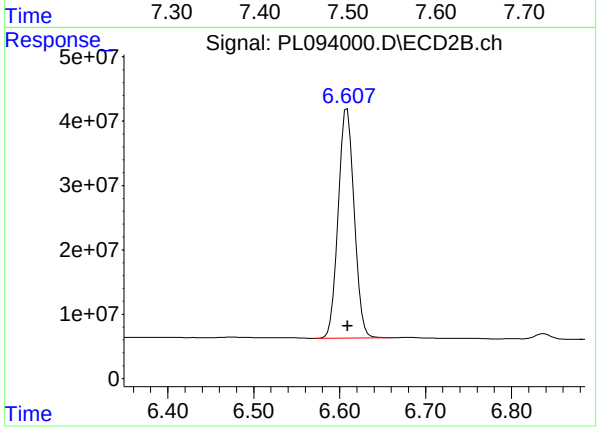
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6385830
Conc: 2.10 ng/ml



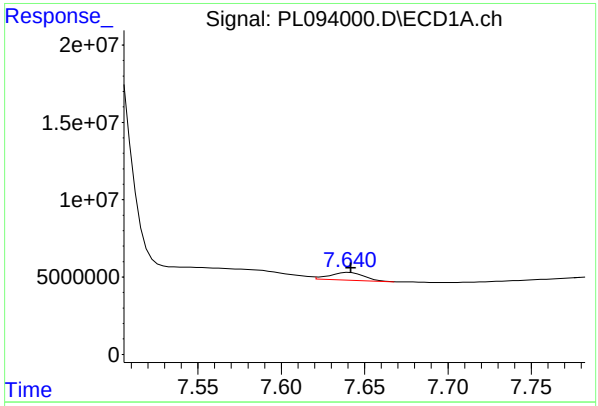
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 246214004
Conc: 235.97 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 458981331
Conc: 256.68 ng/ml



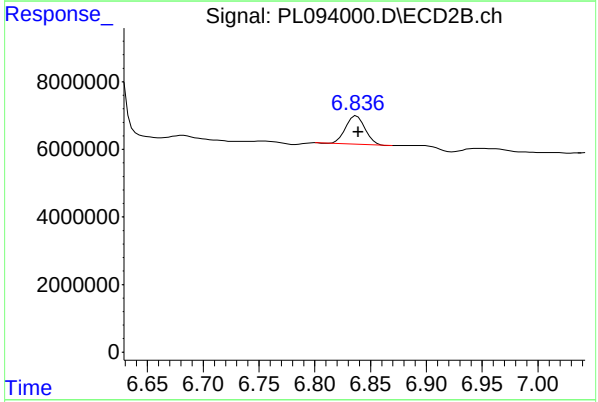
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 7083825
Conc: 2.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

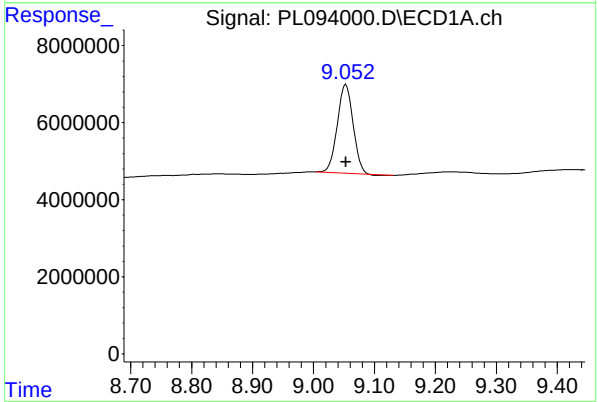
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



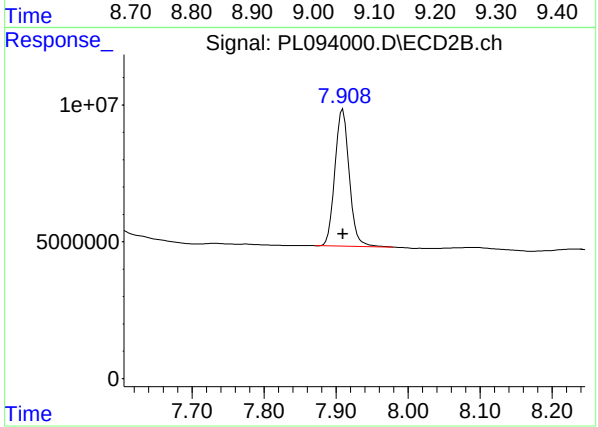
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 10276541
Conc: 2.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 41311740
Conc: 19.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 68838920
Conc: 19.65 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.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

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

Client Sample No. (PEM): PEM - PL094037.D **Date Analyzed:** 02/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	20.890	20.000	4.5
Tetrachloro-m-xylene	3.539	3.490	3.590	22.330	20.000	11.7
alpha-BHC	3.995	3.940	4.050	11.650	10.000	16.5
beta-BHC	4.526	4.480	4.580	11.780	10.000	17.8
gamma-BHC (Lindane)	4.327	4.280	4.380	11.270	10.000	12.7
Endrin	6.574	6.500	6.640	46.750	50.000	-6.5
4,4'-DDT	7.025	6.950	7.100	94.850	100.000	-5.2
Methoxychlor	7.502	7.430	7.570	219.360	250.000	-12.3

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

Client Sample No. (PEM): PEM - PL094037.D **Date Analyzed:** 02/04/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:00

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.911	7.810	8.010	22.030	20.000	10.2
Tetrachloro-m-xylene	2.774	2.720	2.820	21.750	20.000	8.8
alpha-BHC	3.276	3.230	3.330	10.410	10.000	4.1
beta-BHC	3.907	3.860	3.960	11.650	10.000	16.5
gamma-BHC (Lindane)	3.607	3.560	3.660	9.960	10.000	-0.4
Endrin	5.637	5.570	5.710	52.100	50.000	4.2
4,4'-DDT	6.035	5.960	6.110	107.610	100.000	7.6
Methoxychlor	6.610	6.540	6.680	234.420	250.000	-6.2

PEM

Data File: PL094037.D **Date Acquired** 2/4/2025 9:00

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.57	109617257.6	123056762.6	13439505.1	**10.92**
Endrin aldehyde	6.92	4095381.665			
Endrin ketone	7.64	9344123.39			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	192374619.2	215292200.9	22917581.7	**10.64**
Endrin aldehyde #2	6.11	7449502.831			
Endrin ketone #2	6.84	15468078.83			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	187041319.2	200287478.8	13246159.6	**6.61**
4,4'-DDE	6.19	716048.299			
4,4'-DDD	6.71	12530111.26			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	350180324.9	367145794	16965469.1	**4.62**
4,4'-DDE #2	5.23	909041.198			
4,4'-DDD #2	5.78	16056427.9			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:00
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:36:11 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	2.774	60138082	70981576	22.333	21.746
28) SA	Decachlor...	9.057	7.911	43708120	77177182	20.894	22.025
	Target Compounds						
2) A	alpha-BHC	3.995	3.276	44663886	50893613	11.650	10.410
3) MA	gamma-BHC...	4.327	3.607	41487860	47204326	11.265	9.956
6) B	beta-BHC	4.526	3.907	18926929	23270549	11.775	11.650
12) B	4,4'-DDE	6.191	5.229	716048	909041	0.294m	0.227
14) MA	Endrin	6.574	5.637	109.6E6	192.4E6	46.749m	52.096
16) A	4,4'-DDD	6.710	5.785	12530111	16056428	6.593	5.087
17) MA	4,4'-DDT	7.025	6.035	187.0E6	350.2E6	94.846	107.614
18) B	Endrin al...	6.925	6.111	4095382	7449503	2.107	2.447
20) A	Methoxychlor	7.502	6.610	228.9E6	419.2E6	219.356	234.424
21) B	Endrin ke...	7.644	6.839	9344123	15468079	3.704	3.687

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 09:00
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

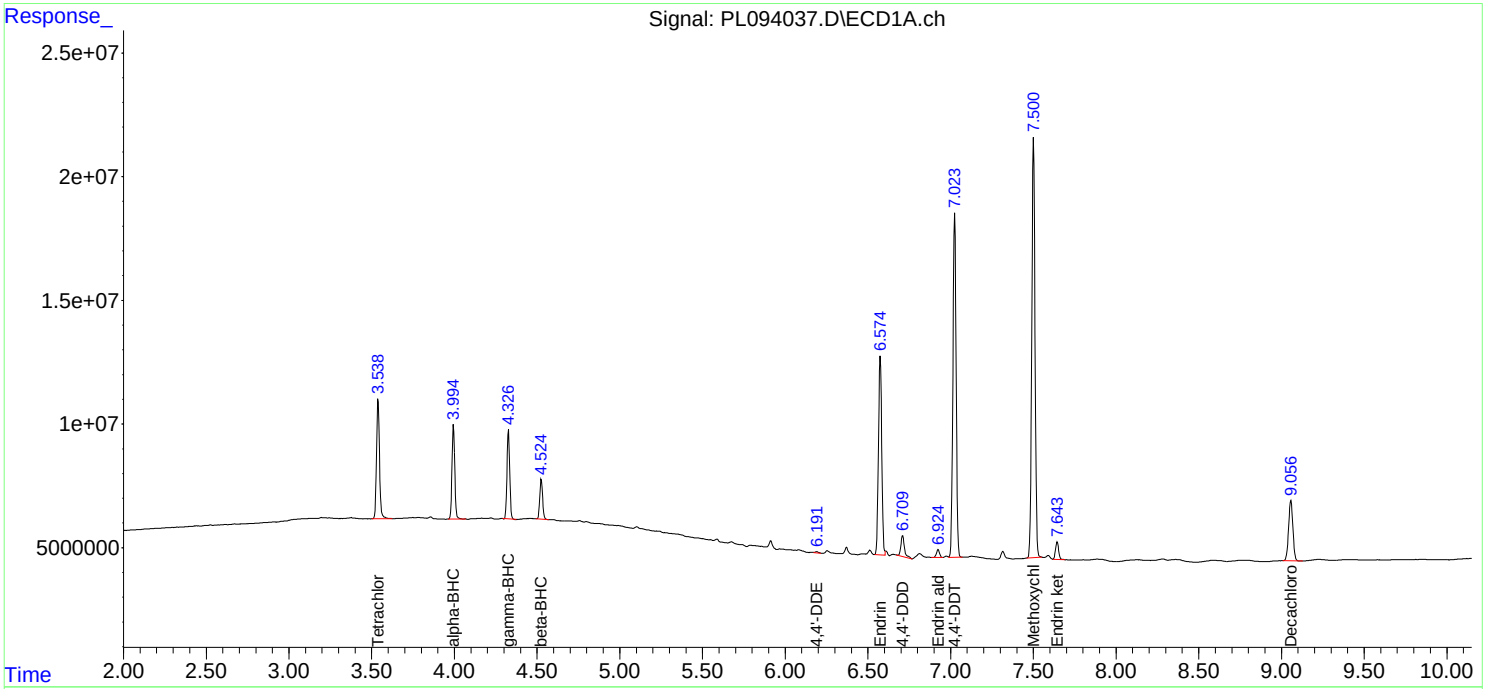
Instrument :
ECD_L
ClientSampleId :
PEM

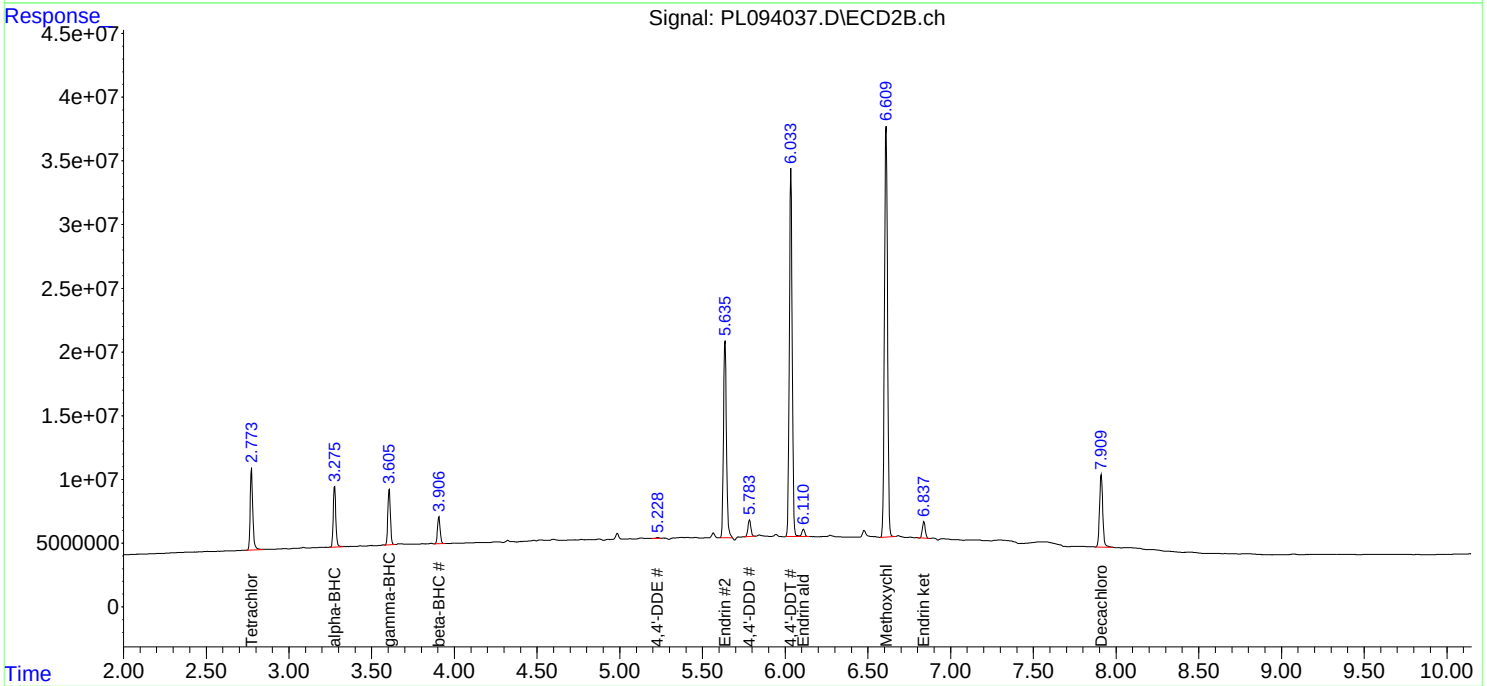
Manual Integrations APPROVED

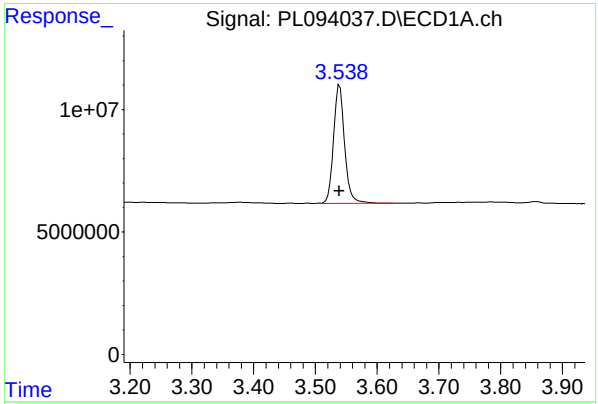
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:36:11 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







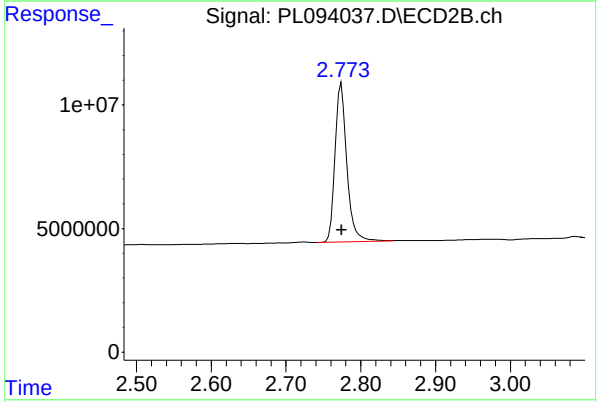
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 60138082
Conc: 22.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

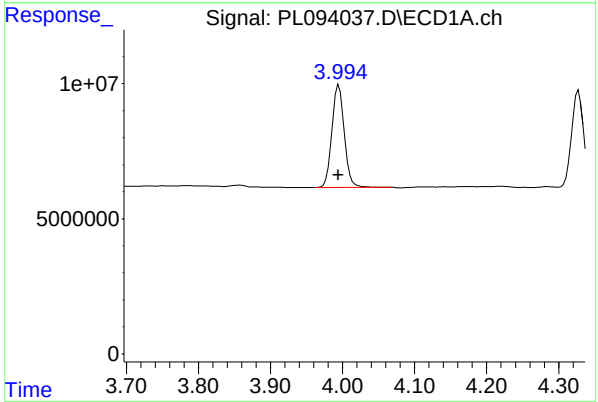
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



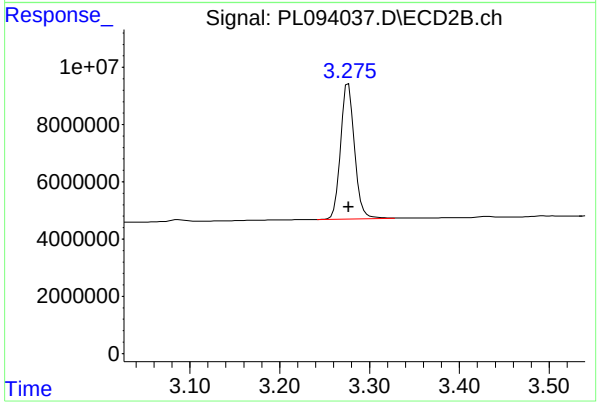
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 70981576
Conc: 21.75 ng/ml



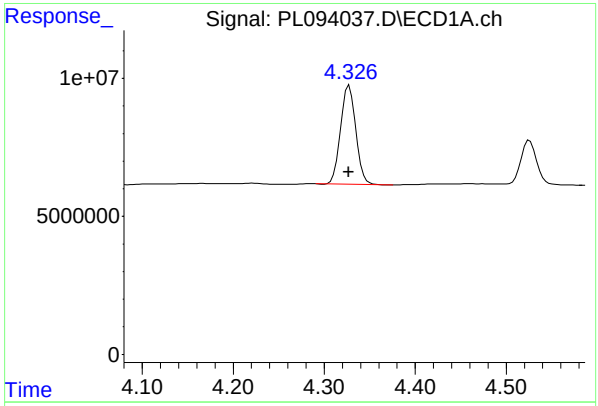
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 44663886
Conc: 11.65 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 50893613
Conc: 10.41 ng/ml



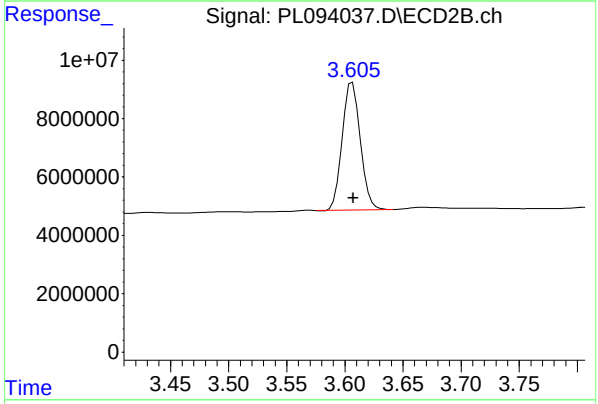
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 41487860
Conc: 11.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

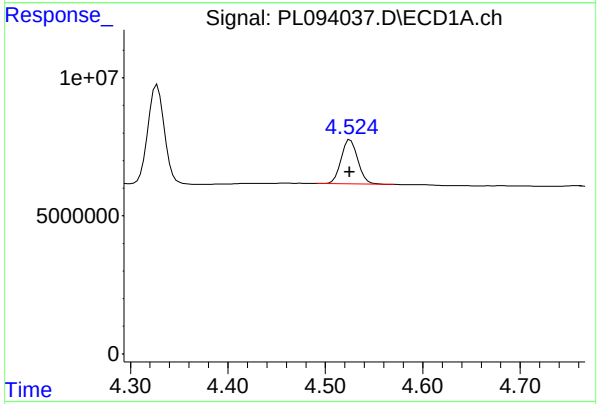
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



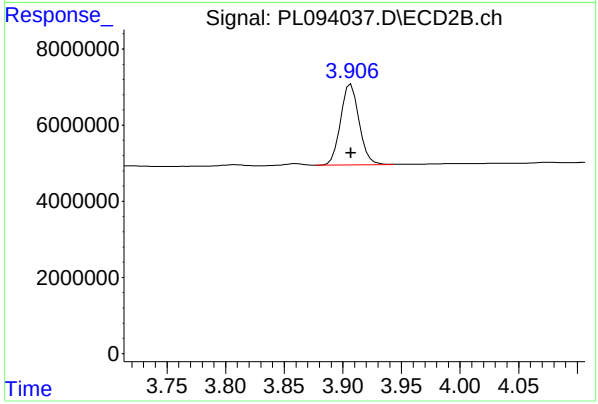
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 47204326
Conc: 9.96 ng/ml



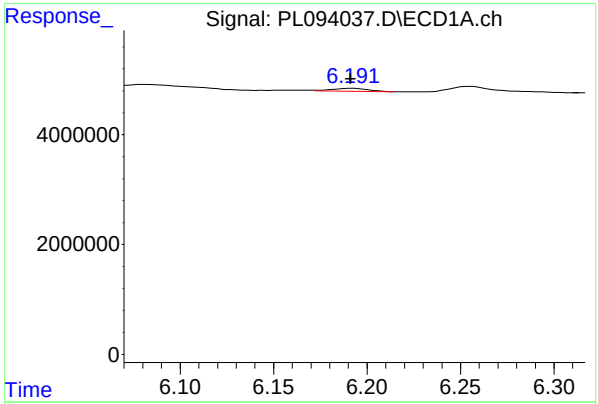
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 18926929
Conc: 11.78 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 23270549
Conc: 11.65 ng/ml



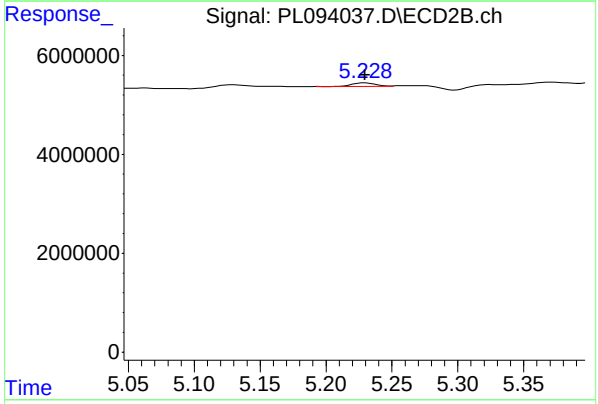
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 mi
Response: 716048
Conc: 0.29 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

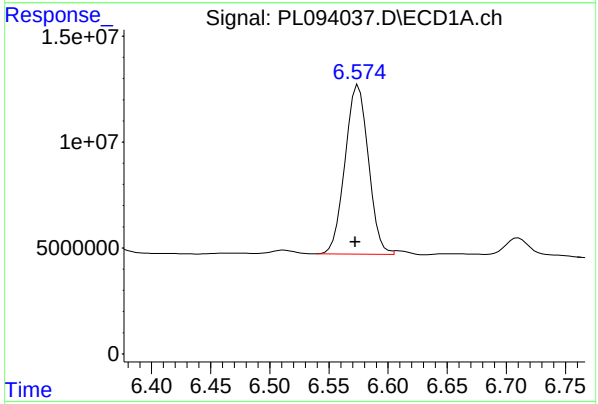
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



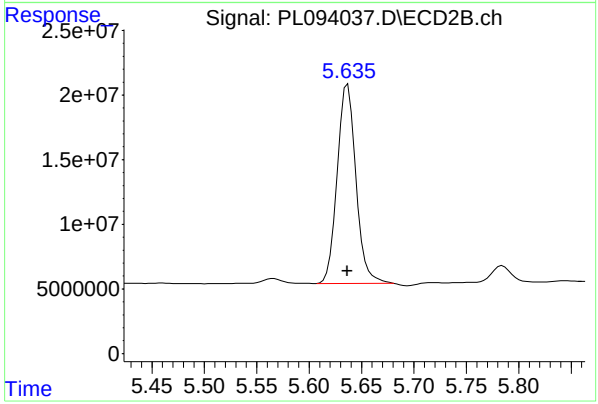
#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 909041
Conc: 0.23 ng/ml



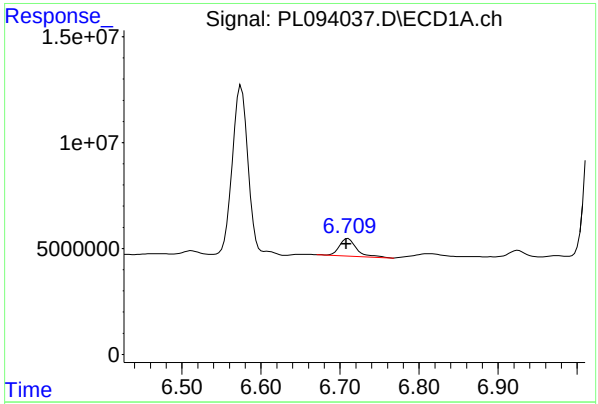
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.001 min
Response: 109617258
Conc: 46.75 ng/ml m



#14 Endrin

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 192374619
Conc: 52.10 ng/ml



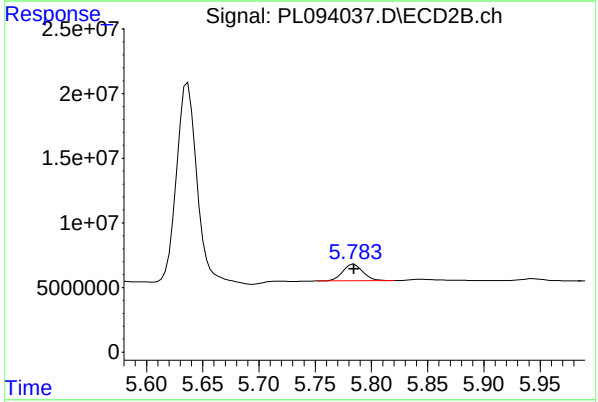
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 12530111
Conc: 6.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

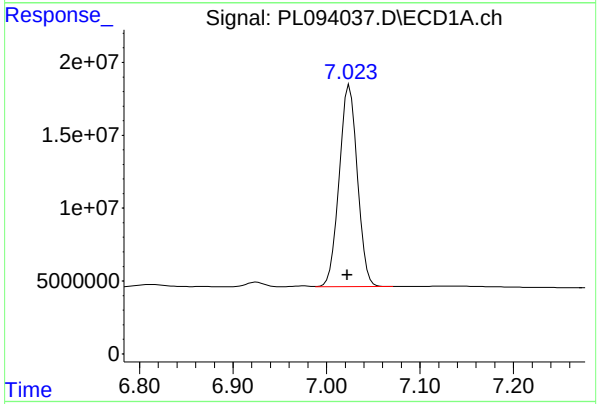
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



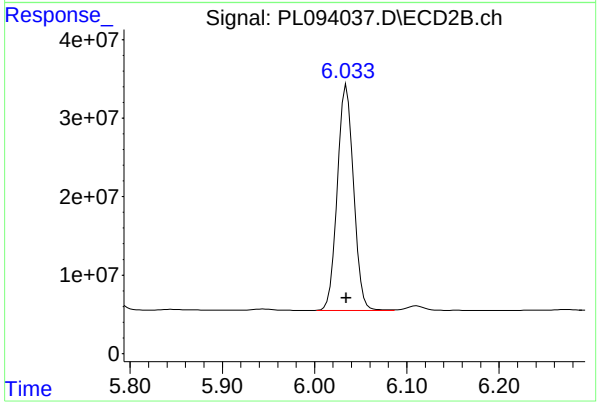
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 16056428
Conc: 5.09 ng/ml



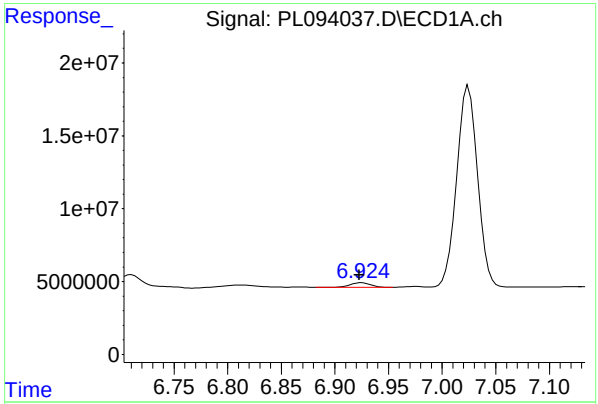
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.002 min
Response: 187041319
Conc: 94.85 ng/ml



#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 350180325
Conc: 107.61 ng/ml



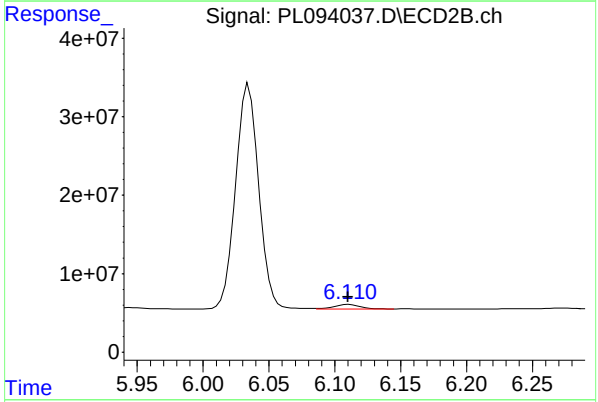
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 4095382
Conc: 2.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

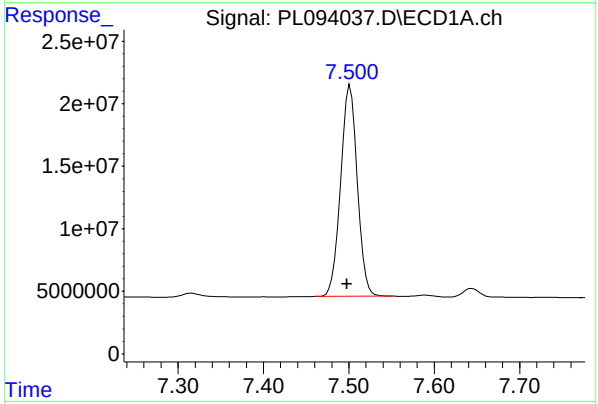
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



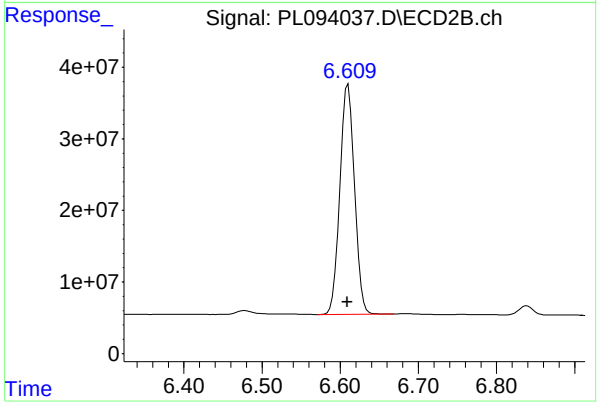
#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 7449503
Conc: 2.45 ng/ml



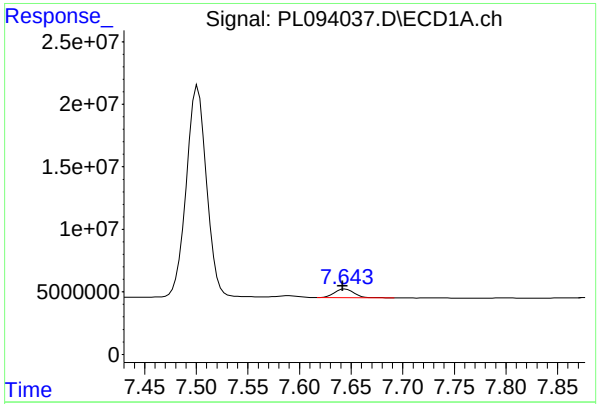
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.004 min
Response: 228875525
Conc: 219.36 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 419182754
Conc: 234.42 ng/ml



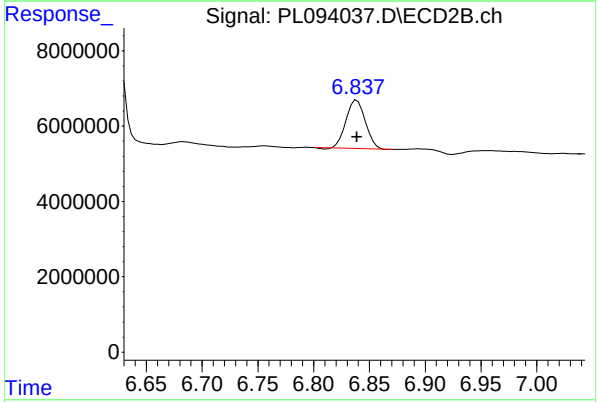
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 9344123
Conc: 3.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

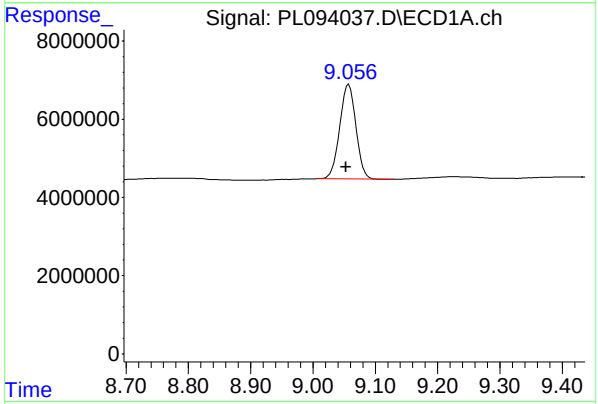
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



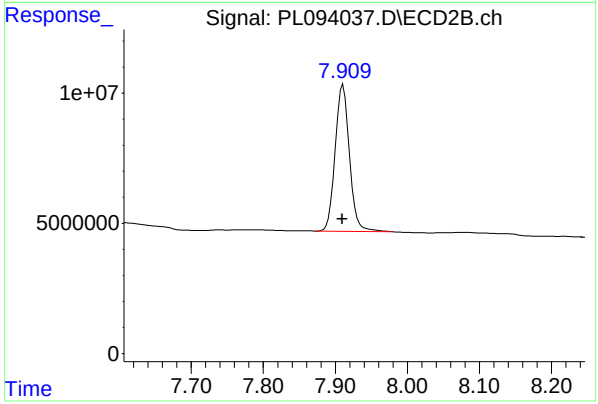
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 15468079
Conc: 3.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.004 min
Response: 43708120
Conc: 20.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 77177182
Conc: 22.03 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%

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

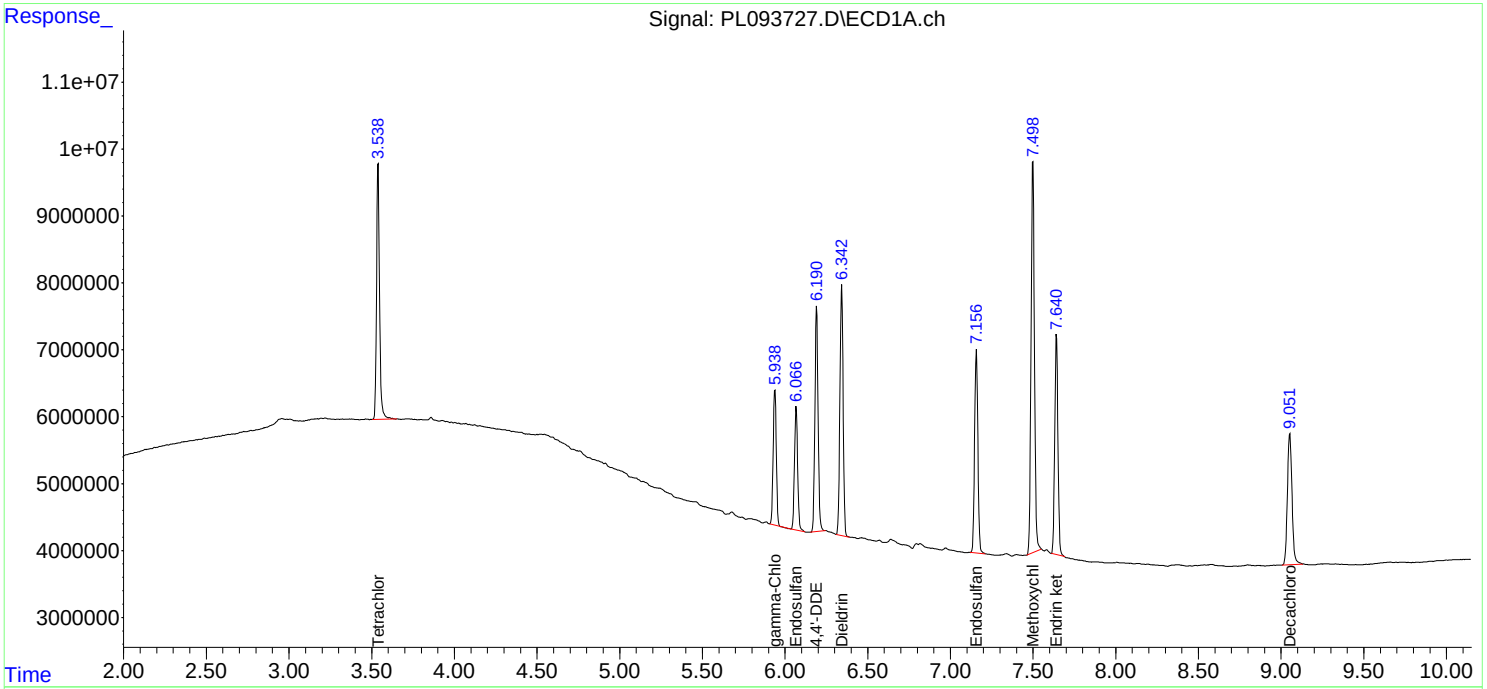
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

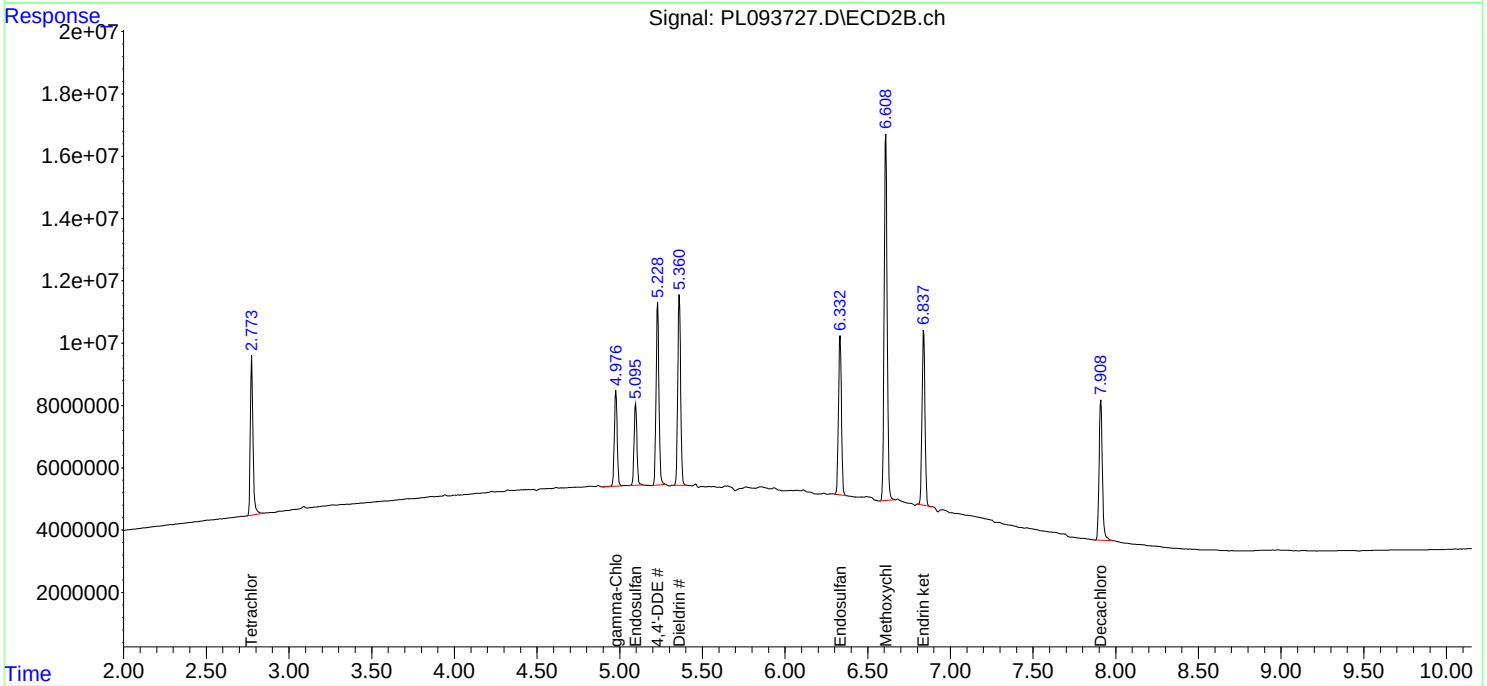
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

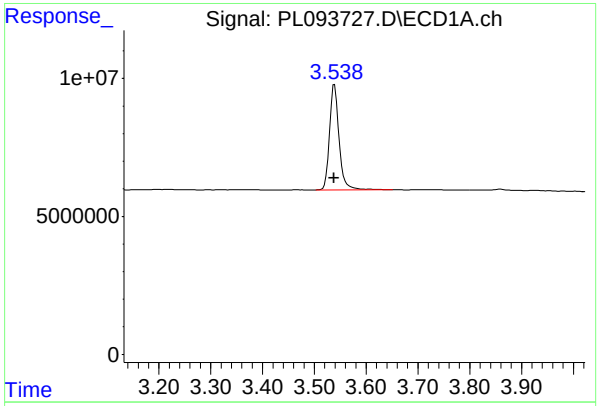
Instrument :
ECD_L
ClientSampleId :
RESCHK

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



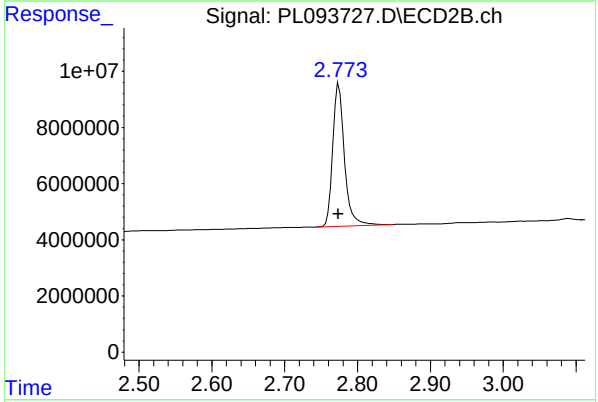




#1 Tetrachloro-m-xylene

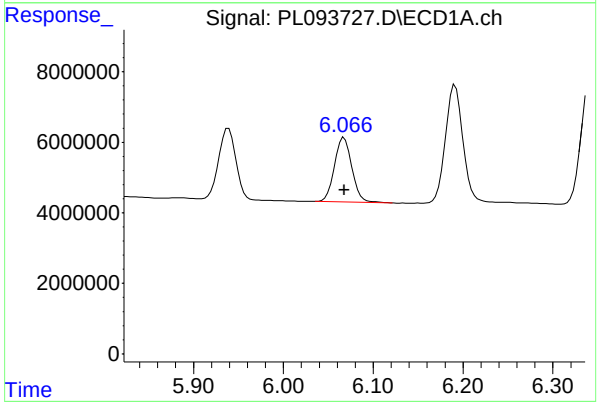
R.T.: 3.539 min
Delta R.T.: 0.001 mi
Response: 48739758
Conc: 18.10 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



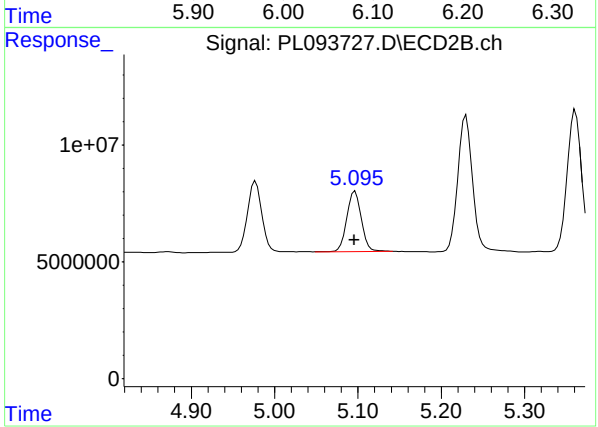
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 56764042
Conc: 17.39 ng/ml



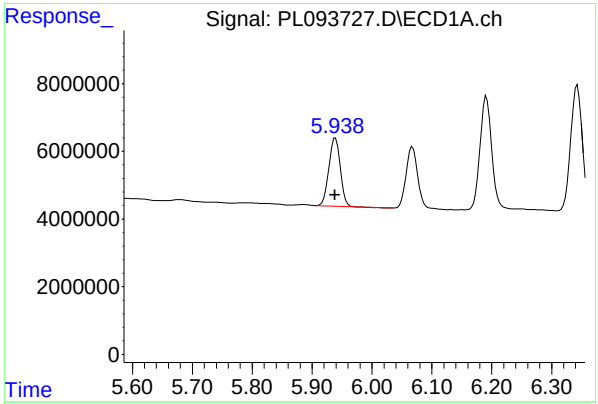
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 24505533
Conc: 9.27 ng/ml



#9 Endosulfan I

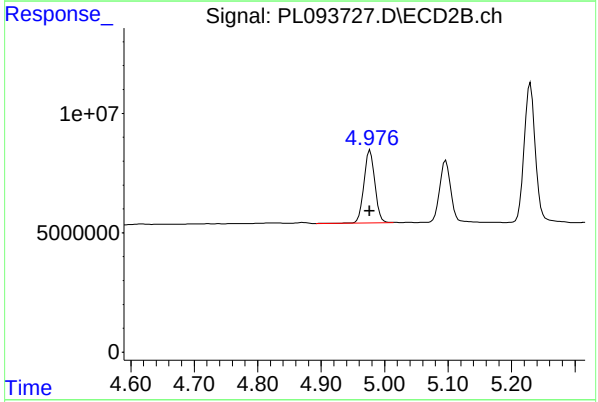
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

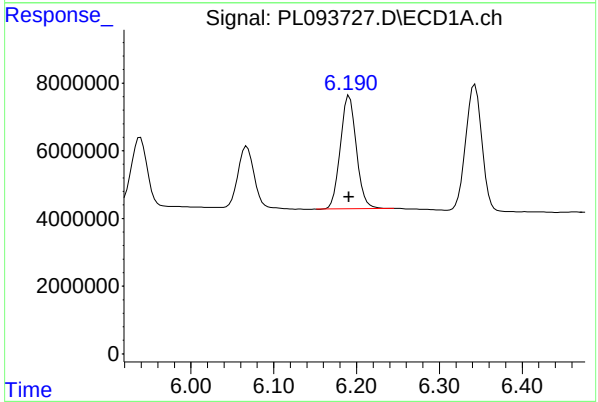
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



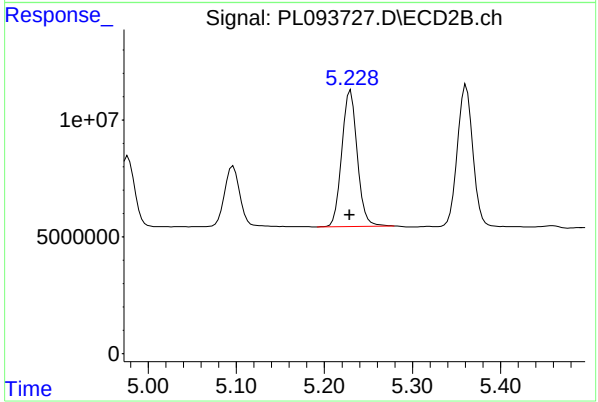
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 36721665
Conc: 8.67 ng/ml



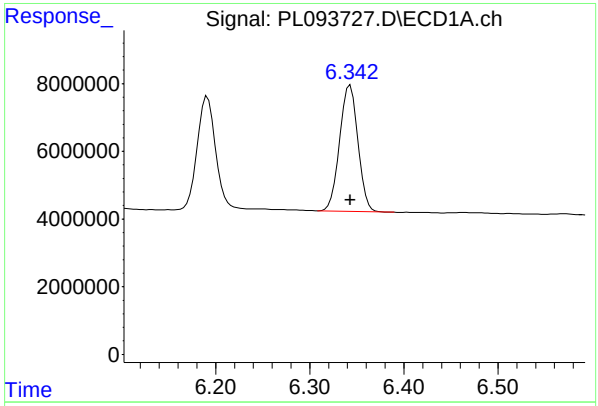
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 45047667
Conc: 18.50 ng/ml



#12 4,4'-DDE

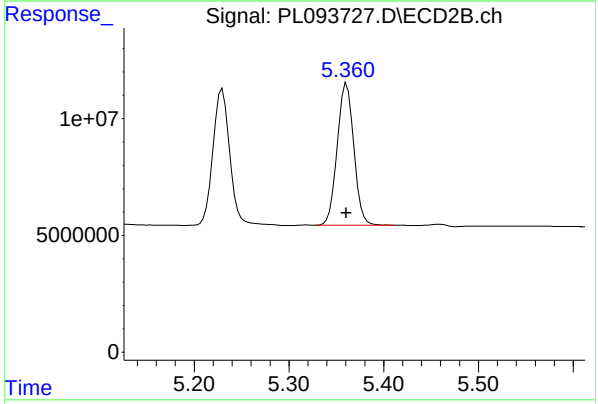
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

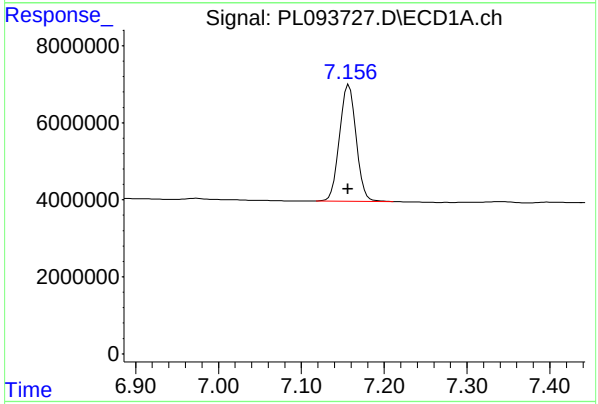
R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 50553851
Conc: 18.21 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



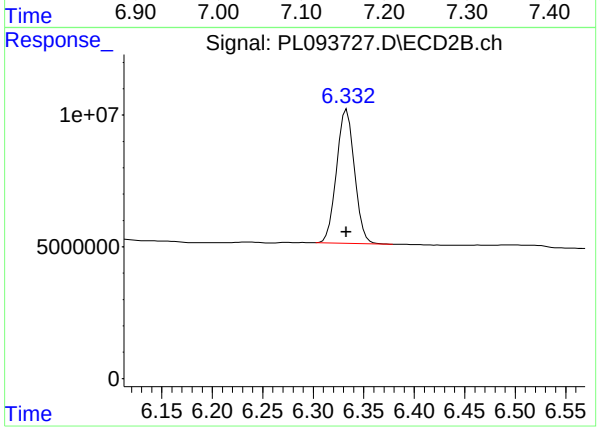
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 73721045
Conc: 17.16 ng/ml



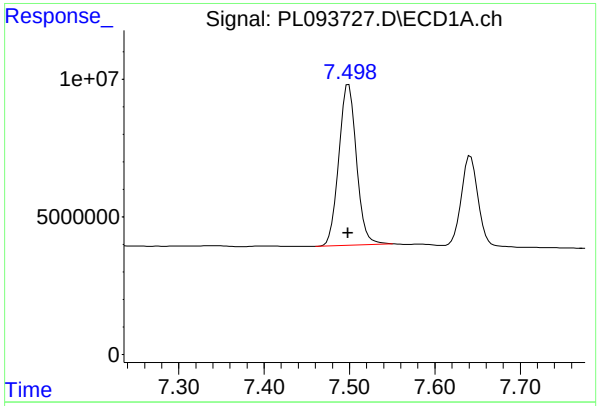
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.001 min
Response: 42219467
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

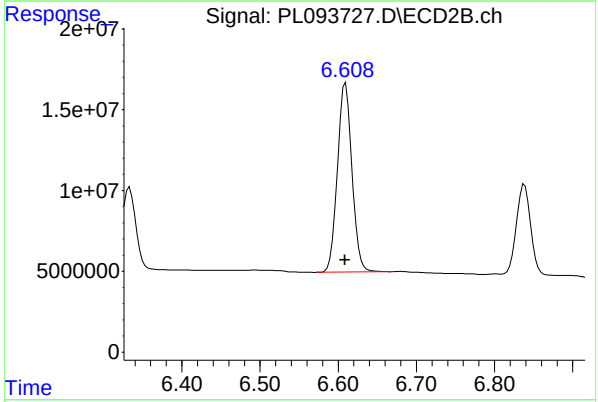
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

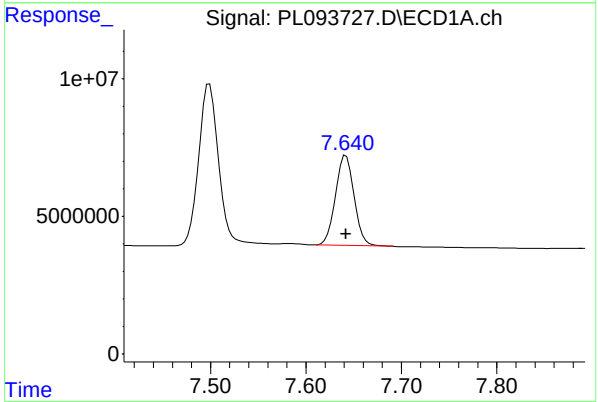
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



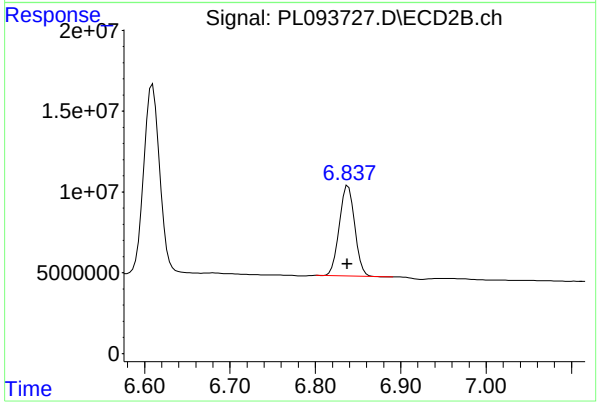
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 151645256
Conc: 84.81 ng/ml



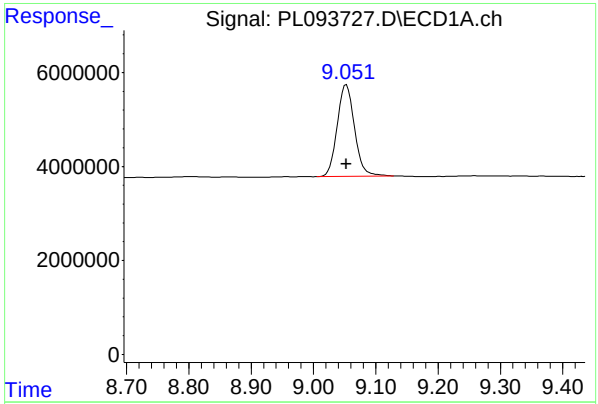
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 44318803
Conc: 17.57 ng/ml



#21 Endrin ketone

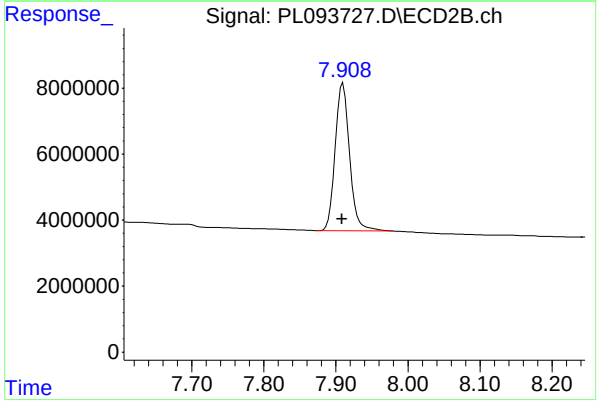
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#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.:** Q1242

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
I.BLK	I.BLK	02/03/2025	16:55	PL093999.D	9.05	3.54
PEM	PEM	02/03/2025	17:08	PL094000.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/03/2025	17:50	PL094001.D	9.06	3.54
PB166484BL	PB166484BL	02/03/2025	19:36	PL094009.D	9.06	3.54
PB166423TB	PB166423TB	02/03/2025	20:02	PL094011.D	9.06	3.54
JPP-3.5-013025MS	Q1241-04MS	02/03/2025	20:29	PL094013.D	9.06	3.54
JPP-3.5-013025MSD	Q1241-04MSD	02/03/2025	20:42	PL094014.D	9.06	3.54
JPP-6.2-013025	Q1242-04	02/03/2025	21:48	PL094019.D	9.06	3.54
I.BLK	I.BLK	02/03/2025	22:02	PL094020.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/03/2025	22:41	PL094022.D	9.06	3.54
I.BLK	I.BLK	02/04/2025	08:47	PL094036.D	9.06	3.54
PEM	PEM	02/04/2025	09:00	PL094037.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/04/2025	09:14	PL094038.D	9.06	3.54
PB166484BS	PB166484BS	02/04/2025	11:53	PL094042.D	9.07	3.55
I.BLK	I.BLK	02/04/2025	14:37	PL094051.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/04/2025	14:50	PL094052.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.:** Q1242

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
I.BLK	I.BLK	02/03/2025	16:55	PL093999.D	7.91	2.77
PEM	PEM	02/03/2025	17:08	PL094000.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/03/2025	17:50	PL094001.D	7.91	2.77
PB166484BL	PB166484BL	02/03/2025	19:36	PL094009.D	7.91	2.77
PB166423TB	PB166423TB	02/03/2025	20:02	PL094011.D	7.91	2.77
JPP-3.5-013025MS	Q1241-04MS	02/03/2025	20:29	PL094013.D	7.91	2.77
JPP-3.5-013025MSD	Q1241-04MSD	02/03/2025	20:42	PL094014.D	7.91	2.77
JPP-6.2-013025	Q1242-04	02/03/2025	21:48	PL094019.D	7.91	2.77
I.BLK	I.BLK	02/03/2025	22:02	PL094020.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/03/2025	22:41	PL094022.D	7.91	2.77
I.BLK	I.BLK	02/04/2025	08:47	PL094036.D	7.91	2.77
PEM	PEM	02/04/2025	09:00	PL094037.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/04/2025	09:14	PL094038.D	7.91	2.77
PB166484BS	PB166484BS	02/04/2025	11:53	PL094042.D	7.91	2.78
I.BLK	I.BLK	02/04/2025	14:37	PL094051.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/04/2025	14:50	PL094052.D	7.91	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-3.5-013025MS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Lab Sample ID: Q1241-04MS **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	5.60	3.5
	2	6.61	6.56	6.66	5.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.00	0
	2	3.61	3.56	3.66	5.00	
Heptachlor	1	4.92	4.87	4.97	5.30	3.8
	2	3.94	3.89	3.99	5.10	
Heptachlor epoxide	1	5.68	5.63	5.73	5.00	2
	2	4.73	4.68	4.78	5.10	
Endrin	1	6.57	6.52	6.62	5.20	7.4
	2	5.64	5.59	5.69	5.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JPP-3.5-013025MSD

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Lab Sample ID: Q1241-04MSD **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	5.60	3.5
	2	6.61	6.56	6.66	5.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.10	2
	2	3.61	3.56	3.66	5.00	
Heptachlor	1	4.91	4.86	4.96	5.30	1.9
	2	3.95	3.90	4.00	5.20	
Heptachlor epoxide	1	5.68	5.63	5.73	5.00	2
	2	4.73	4.68	4.78	5.10	
Endrin	1	6.57	6.52	6.62	5.20	7.4
	2	5.64	5.59	5.69	5.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166484BS

Contract: RUTW01

Lab Code: CHEM **Case No.:** Q1242 **SAS No.:** Q1242 **SDG NO.:** Q1242

Lab Sample ID: PB166484BS **Date(s) Analyzed:** 02/04/2025 02/04/2025

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	7.51	7.46	7.56	0.43	5.6
	2	6.61	6.56	6.66	0.40	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.47	1.9
	2	3.61	3.56	3.66	0.48	
Heptachlor	1	4.92	4.87	4.97	0.48	1.4
	2	3.95	3.90	4.00	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.48	2.8
	2	4.73	4.68	4.78	0.49	
Endrin	1	6.58	6.53	6.63	0.44	8.2
	2	5.64	5.59	5.69	0.47	

QC SAMPLE DATA

Raw Data: **PL094009.D**

Alliance TECHNICAL GROUP
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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:	PB166484BL	SDG No.:	Q1242
Lab Sample ID:	PB166484BL	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
PL094009.D	1	02/03/25 09:36	02/03/25 19:36	PB166484

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	24.6		43 - 140	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		77 - 126	117%	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 : PL094009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:36
Operator : AR\AJ
Sample : PB166484BL
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166484BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:48:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	62936524	72846502	23.372	22.317
28)	SA Decachlor...	9.055	7.910	50275773	86335494	24.033	24.639
	Target Compounds						

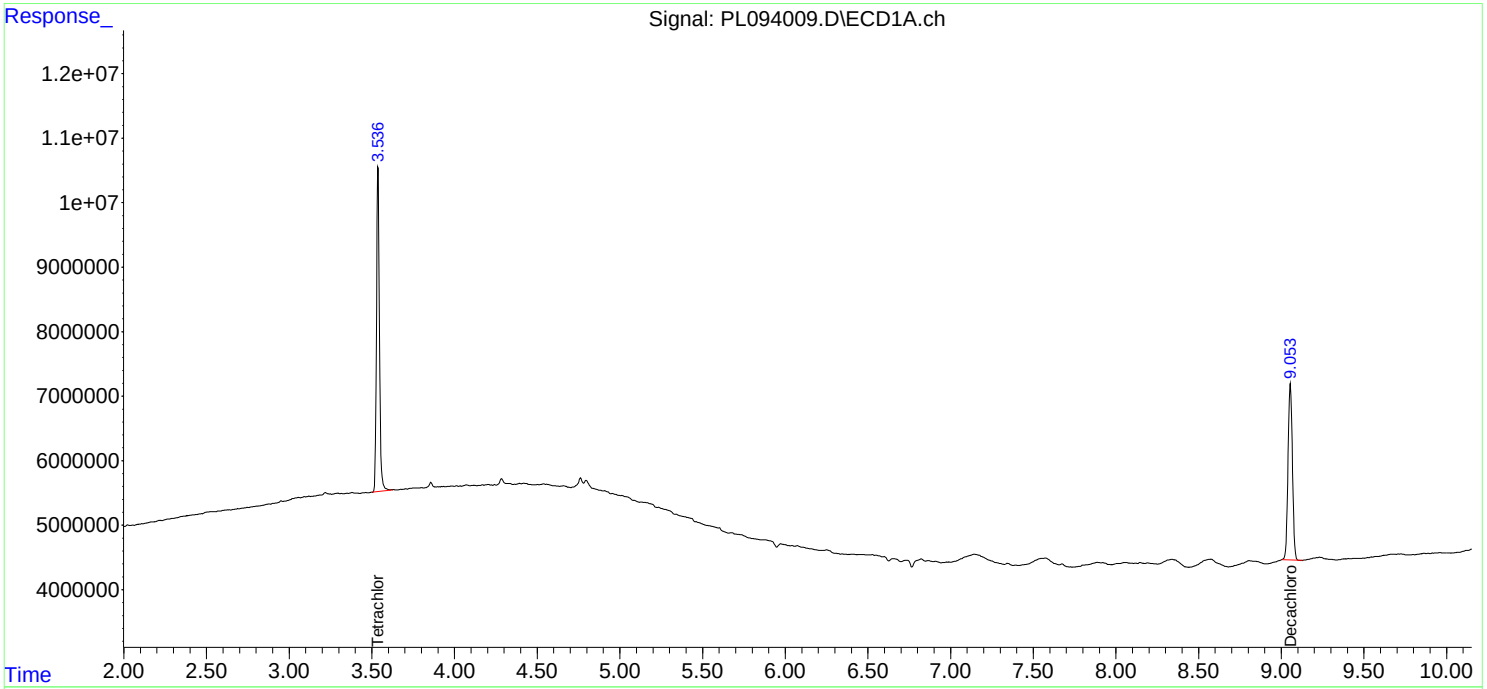
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

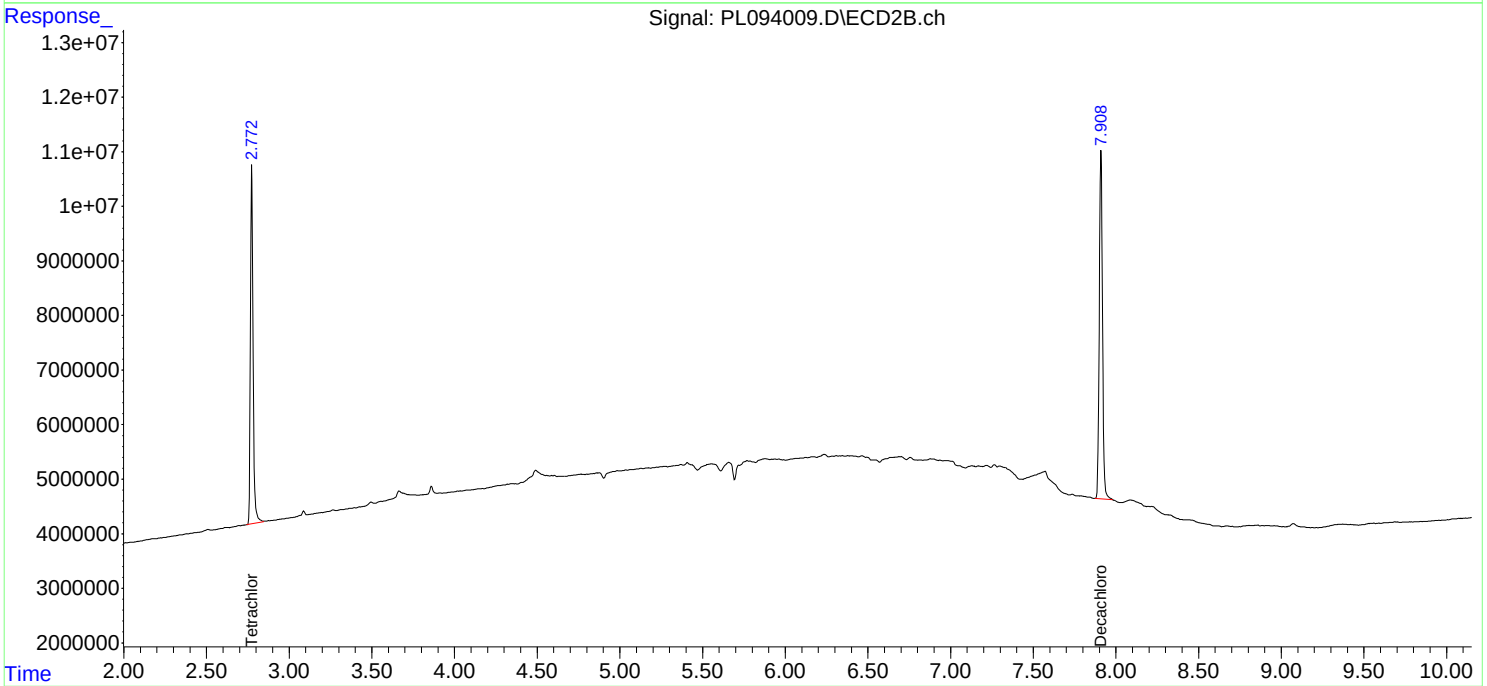
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:36
Operator : AR\AJ
Sample : PB166484BL
Misc :
ALS Vial : 28 Sample Multiplier: 1

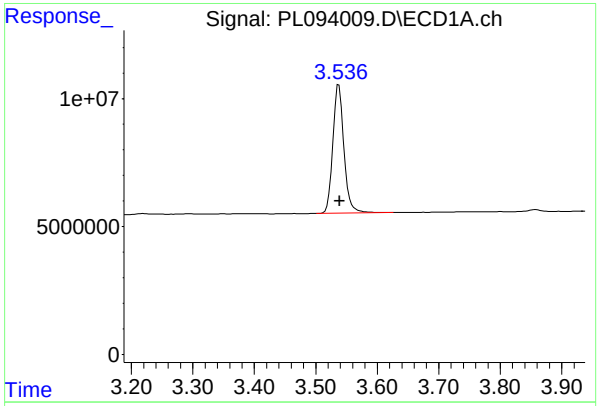
Instrument :
ECD_L
ClientSampleId :
PB166484BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:48:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



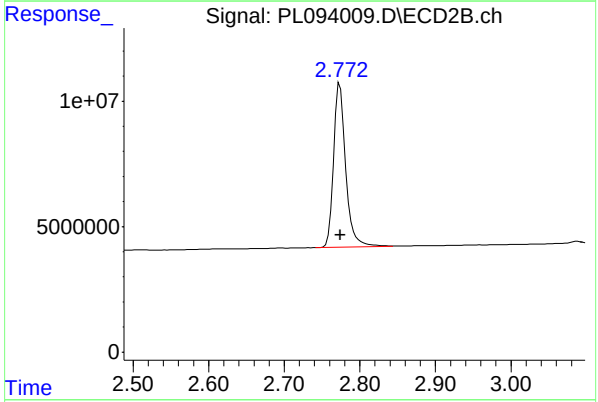




#1 Tetrachloro-m-xylene

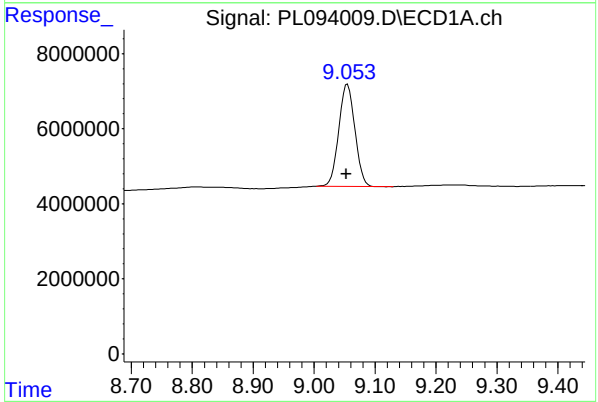
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 62936524
Conc: 23.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BL



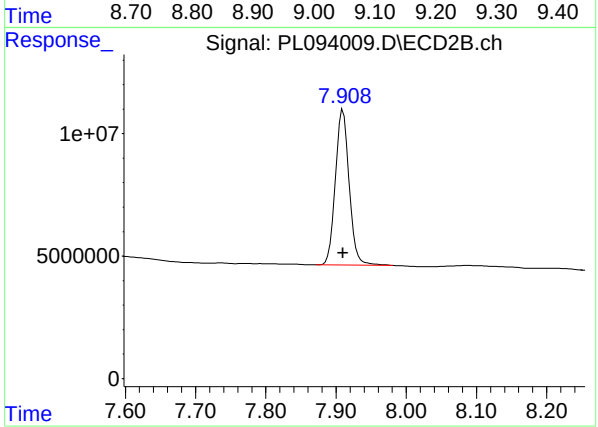
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 72846502
Conc: 22.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 50275773
Conc: 24.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 86335494
Conc: 24.64 ng/ml

Raw Data: **PL093725.D**

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:	01/21/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1242
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)

Sample Results: **PL093725.D**

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						

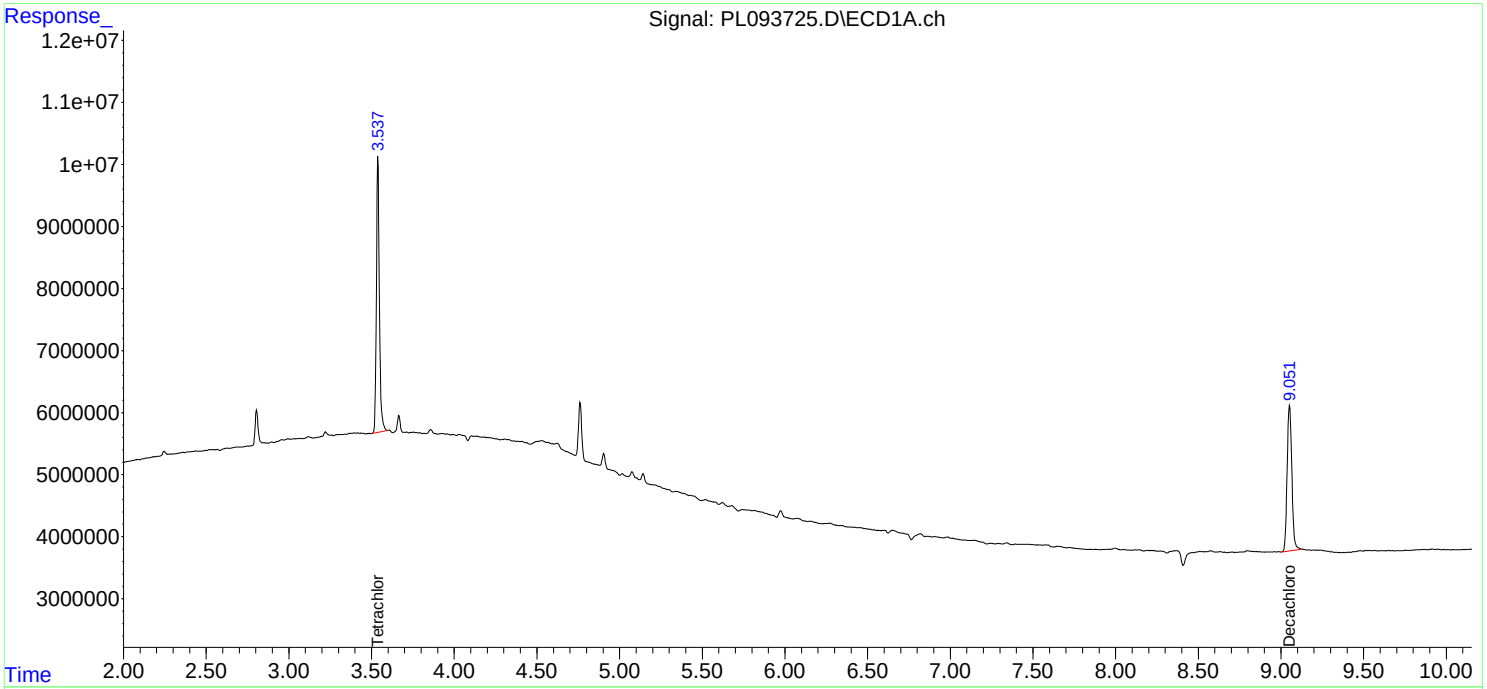
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

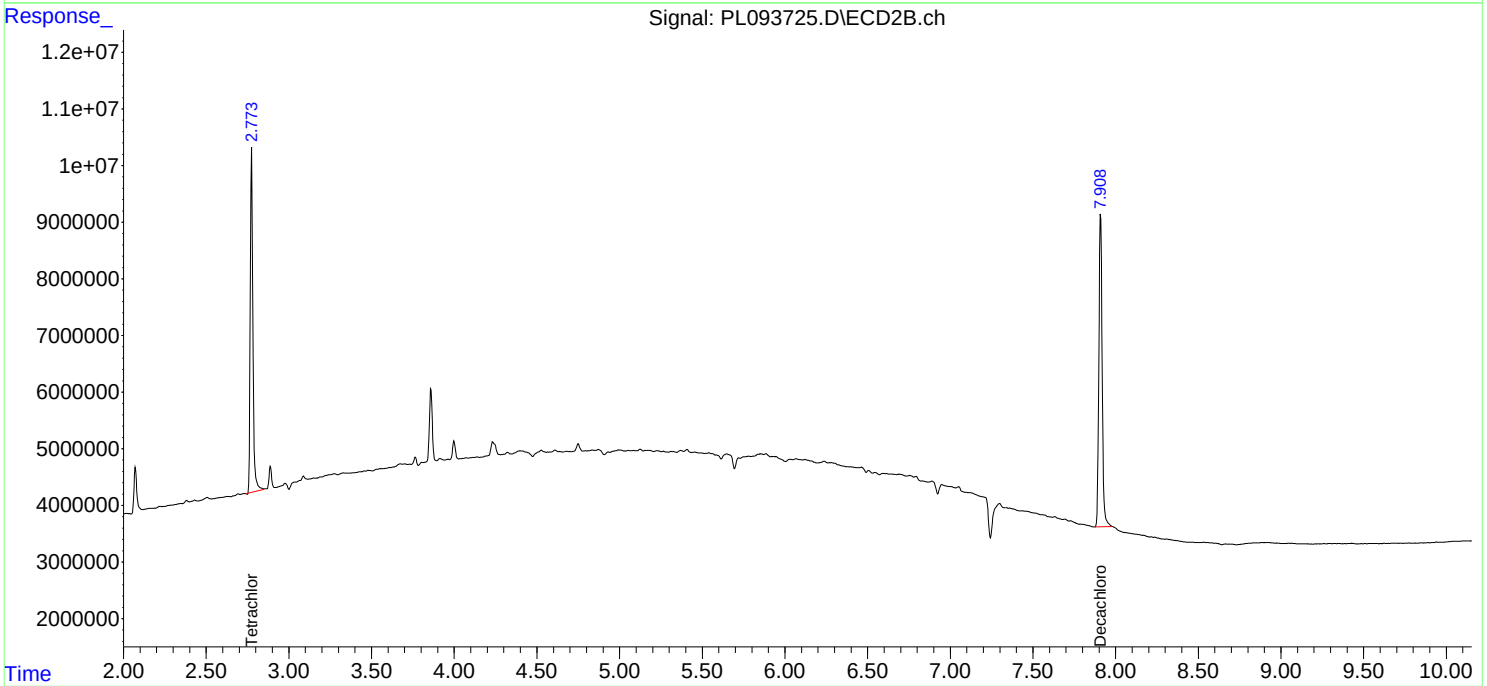
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

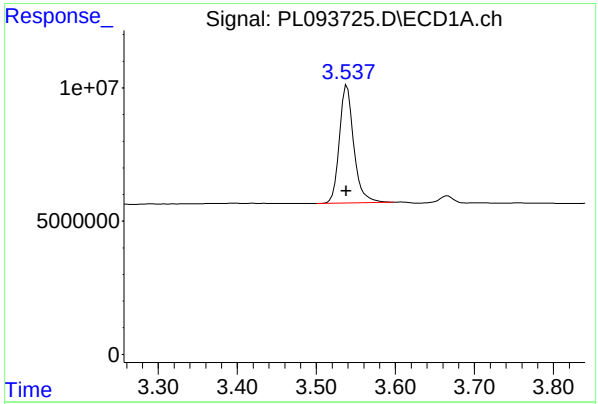
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



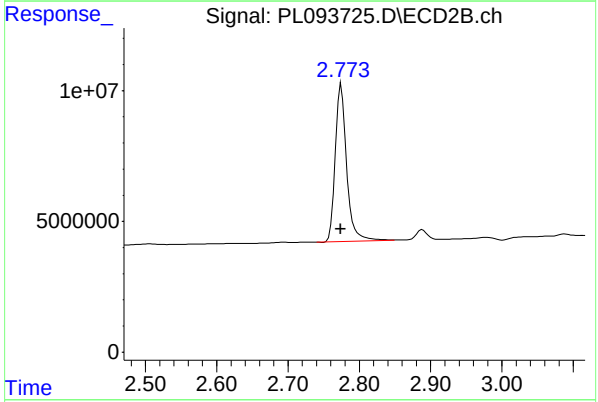




#1 Tetrachloro-m-xylene

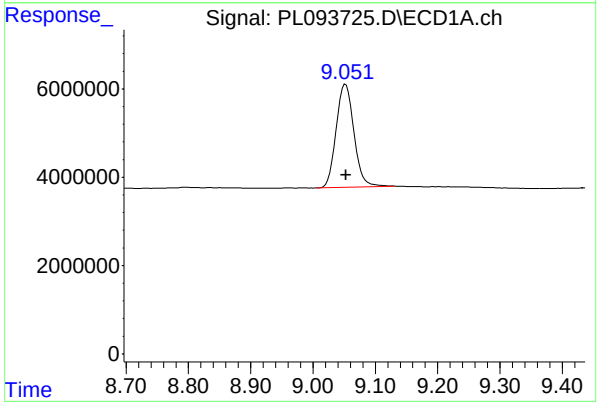
R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 55919553
Conc: 20.77 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



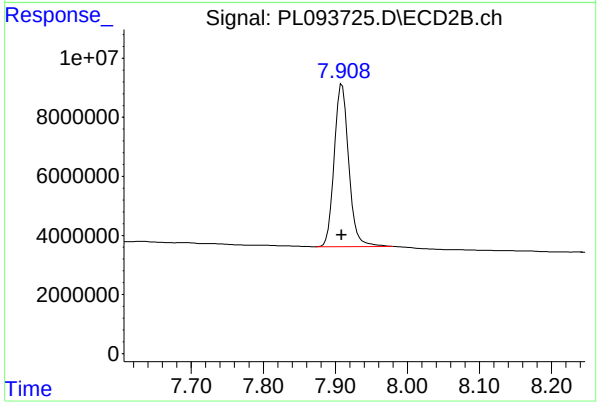
#1 Tetrachloro-m-xylene

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

Raw Data: **PL093999.D**

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.:	Q1242
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

Sample Results: **PL093999.D**

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.

Sample Results: **PL093999.D**

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

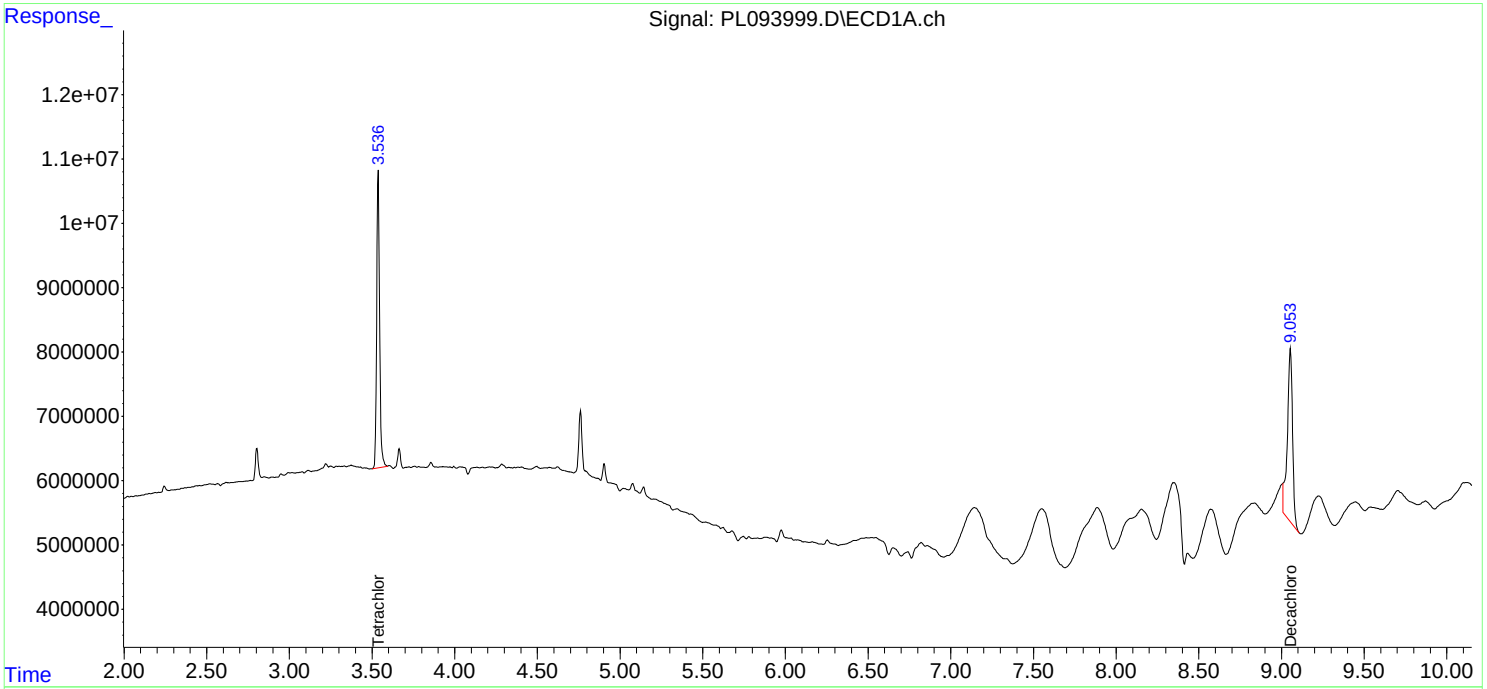
Instrument :
ECD_L
ClientSampleId :
I.BLK

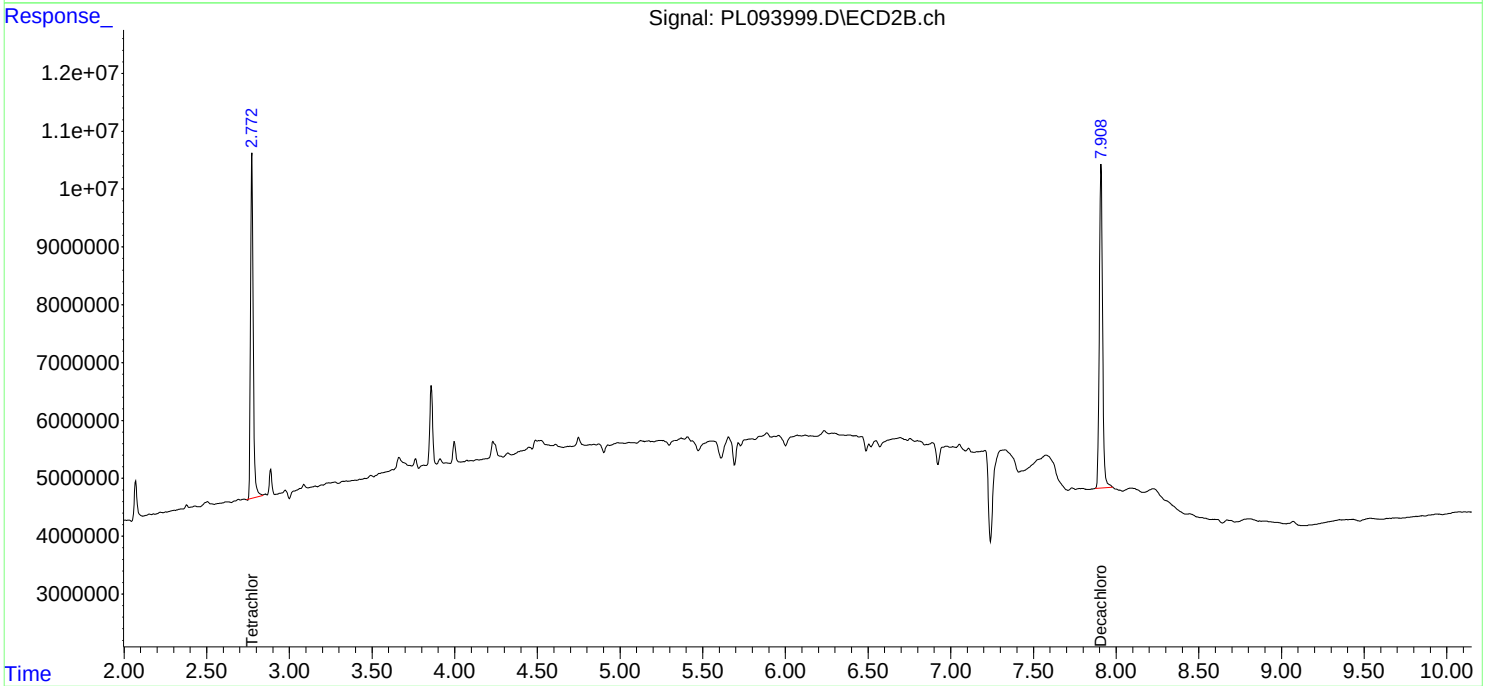
Manual Integrations APPROVED

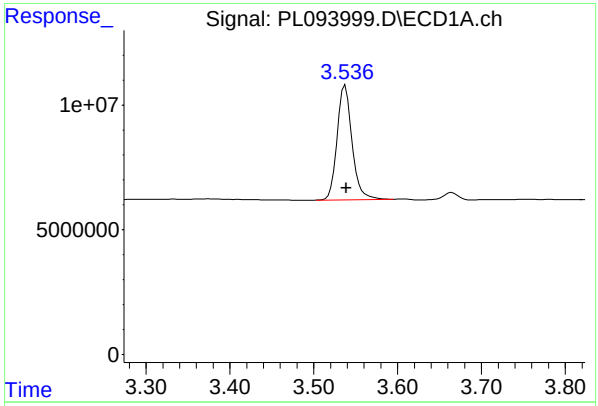
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

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







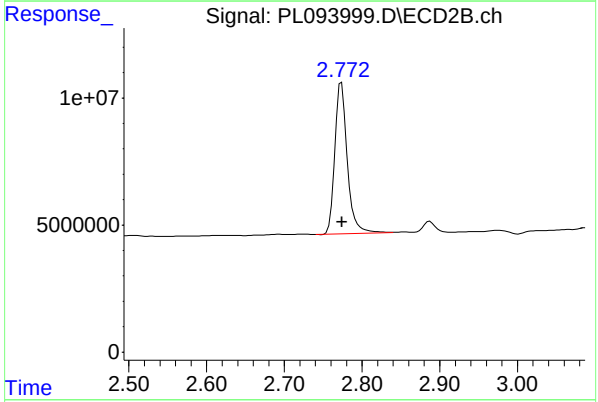
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 mi
Response: 56951406
Conc: 21.15 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK

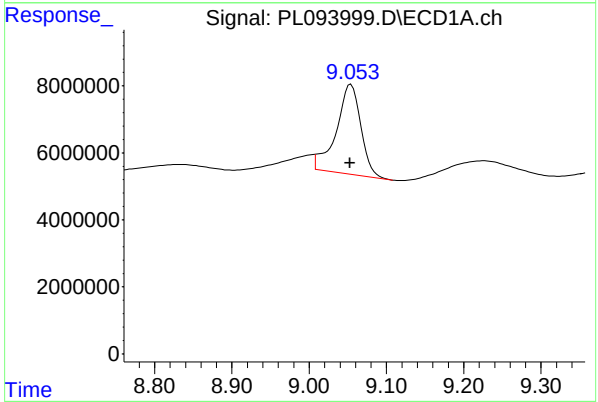
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



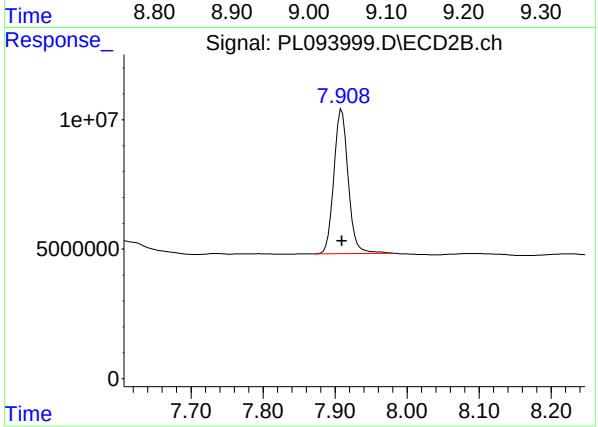
#1 Tetrachloro-m-xylene

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

Raw Data: **PL094020.D**

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-PL094020.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PL094020.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
PL094020.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	24.3		43 - 140	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	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)

Sample Results: **PL094020.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:02
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 00:53:23 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	58264928	68924850	21.638	21.116
28)	SA Decachlor...	9.056	7.910	47614912	84966091	22.761	24.248
	Target Compounds						

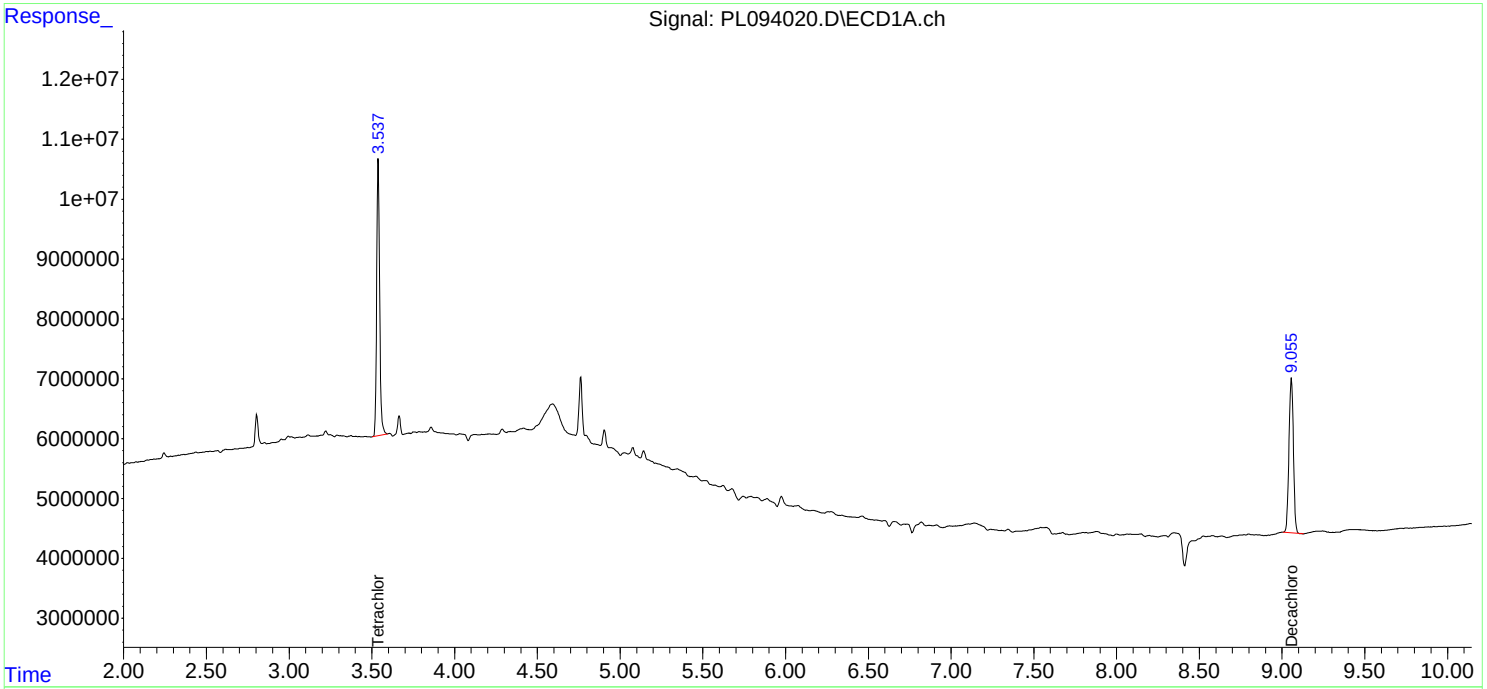
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

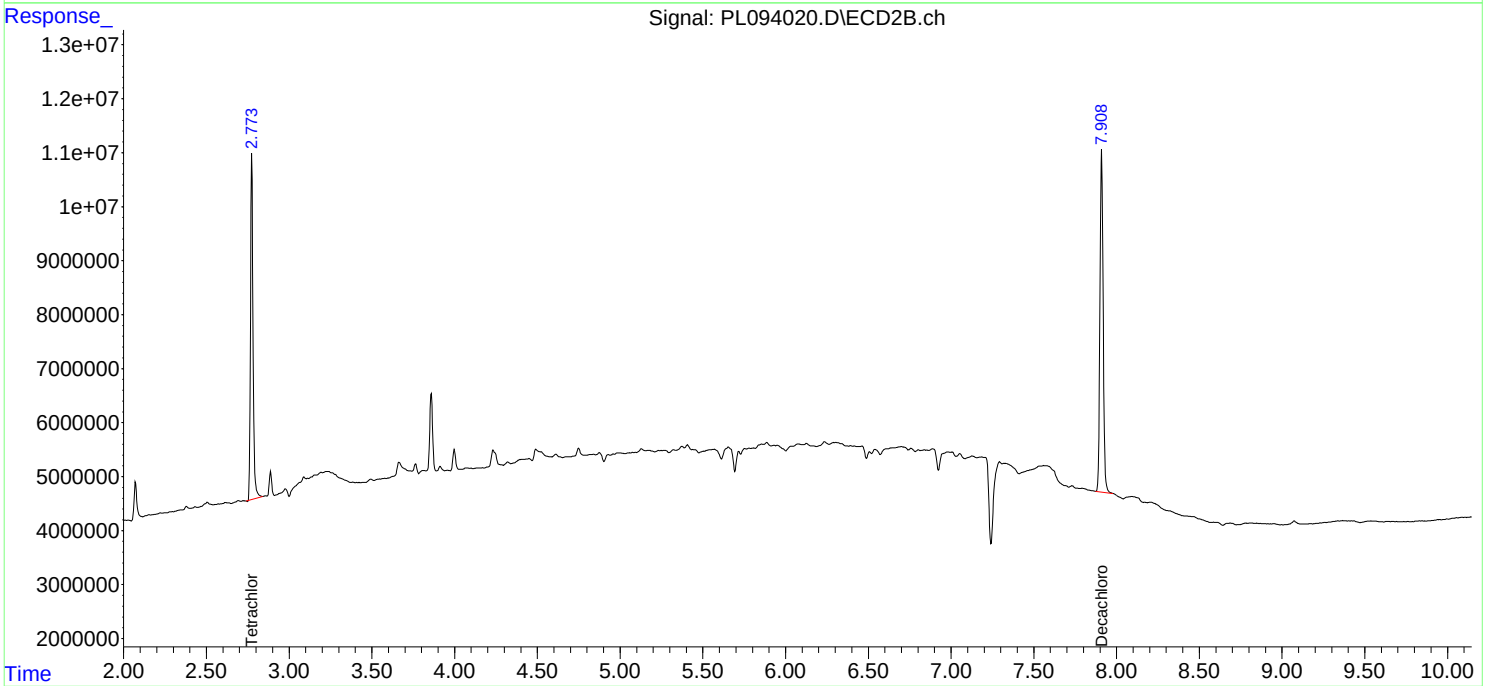
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

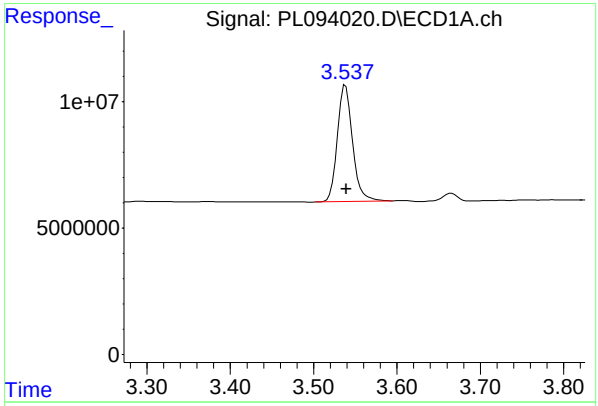
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:53:23 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



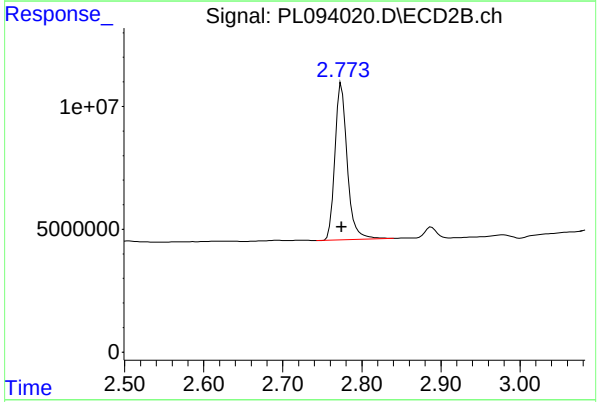




#1 Tetrachloro-m-xylene

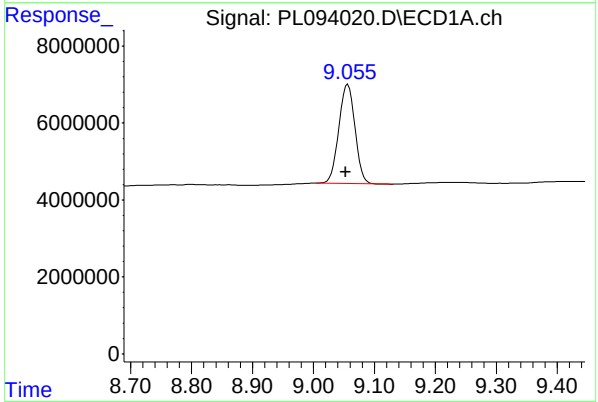
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 58264928
Conc: 21.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



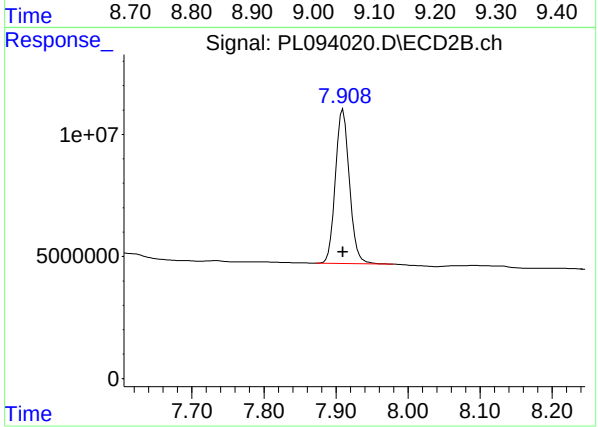
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 68924850
Conc: 21.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 47614912
Conc: 22.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 84966091
Conc: 24.25 ng/ml

Raw Data: **PL094036.D**

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:	02/04/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/04/25
Client Sample ID:	PIBLK-PL094036.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PL094036.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
PL094036.D	1		02/04/25	pl020425

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	23.3		43 - 140	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		77 - 126	112%	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)

Sample Results: **PL094036.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:47
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 05 01:35:52 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	60400977	71591259	22.431	21.933
28)	SA Decachlor...	9.058	7.911	48144366	81527551	23.015	23.267
	Target Compounds						

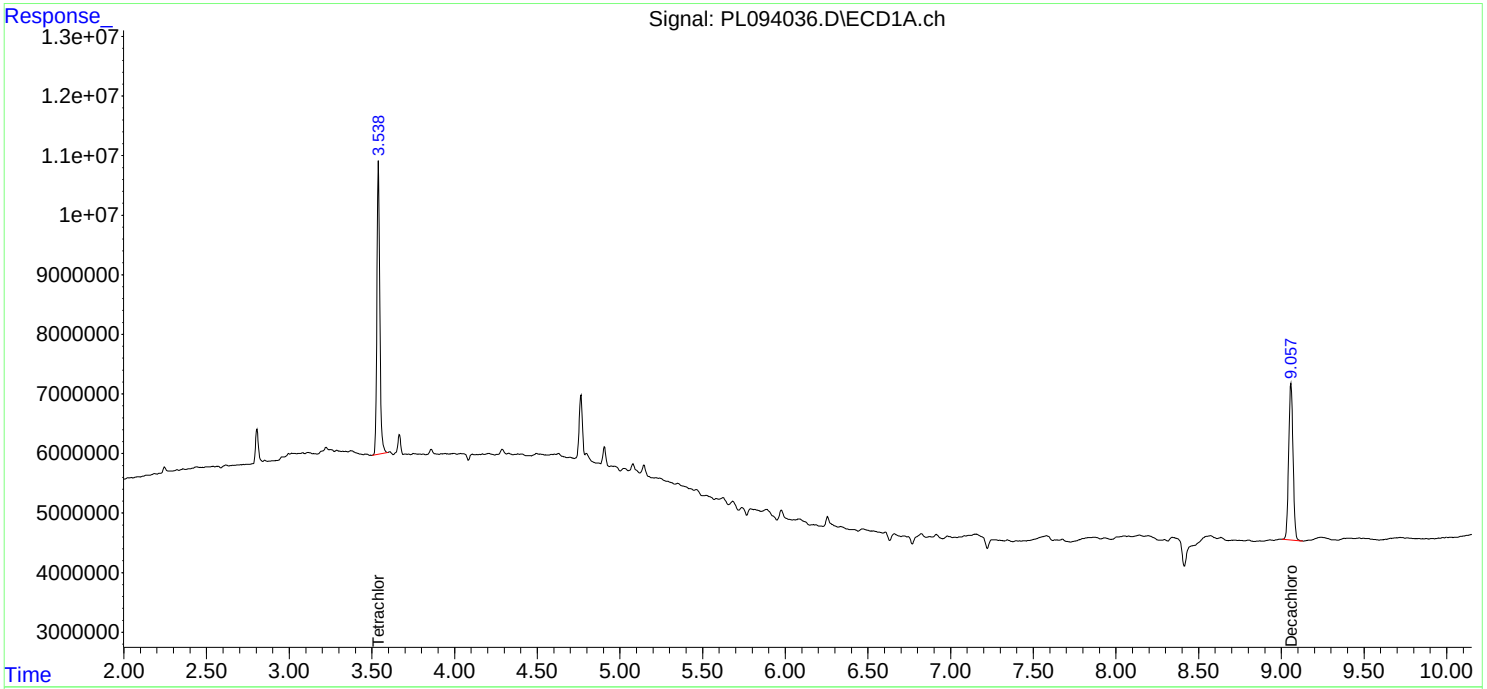
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

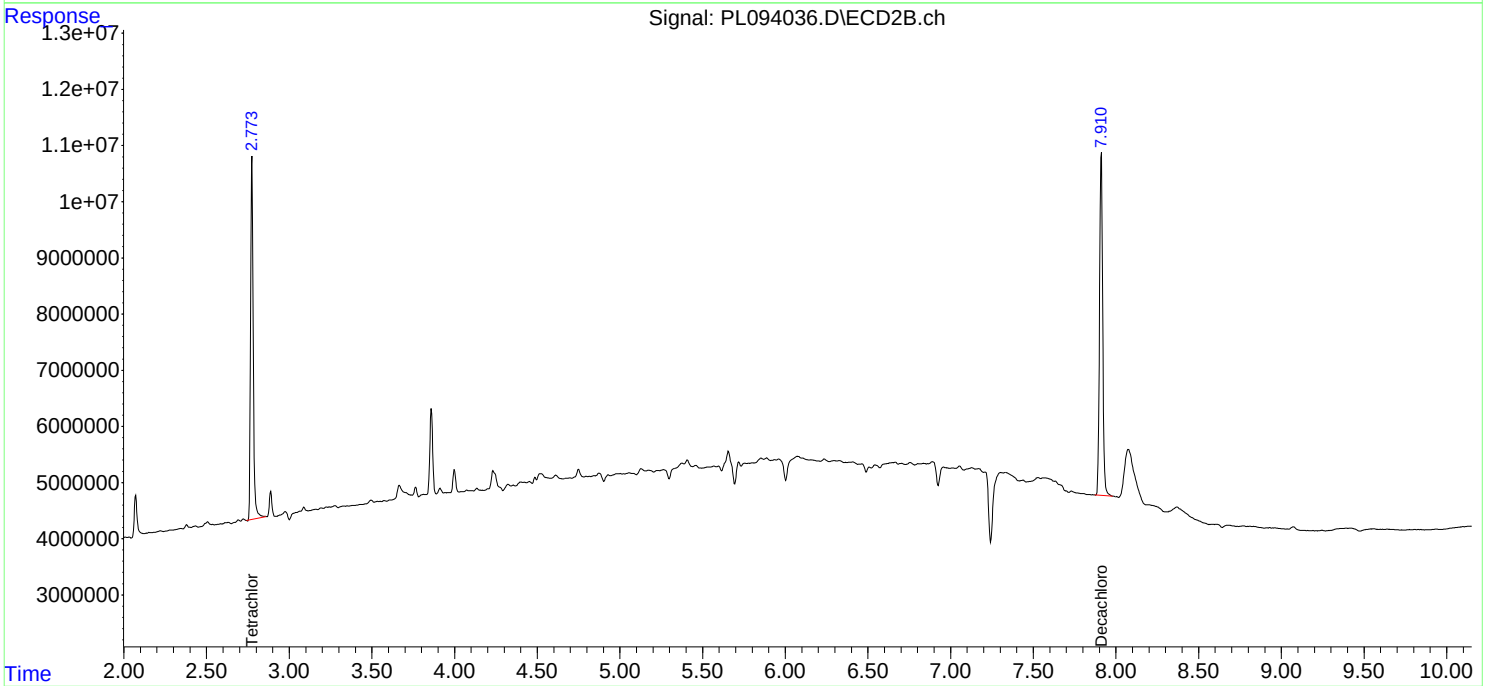
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 08:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

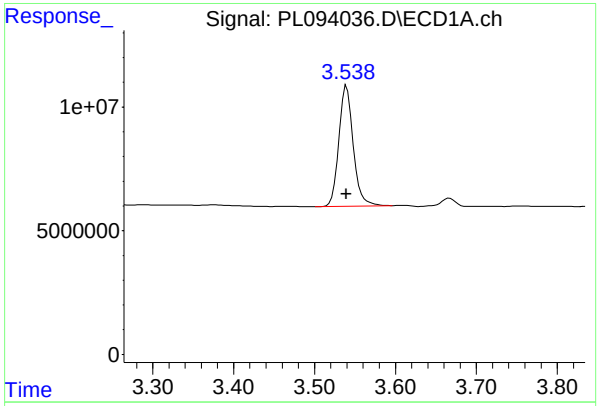
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:35:52 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



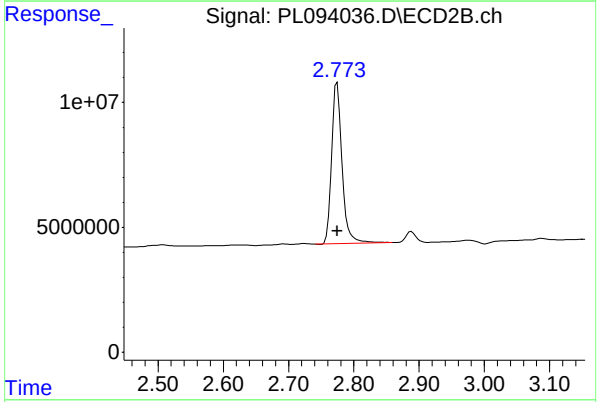




#1 Tetrachloro-m-xylene

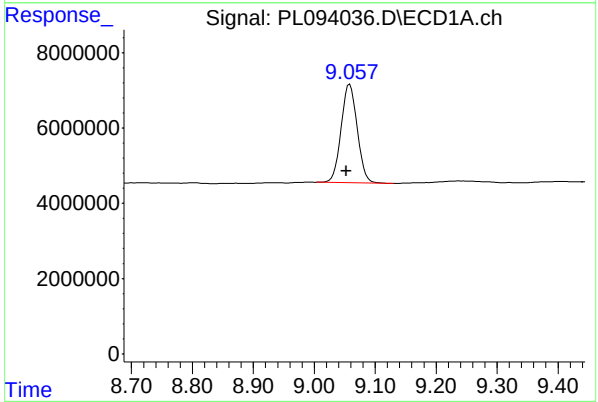
R.T.: 3.540 min
Delta R.T.: 0.000 mi
Response: 60400977
Conc: 22.43 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



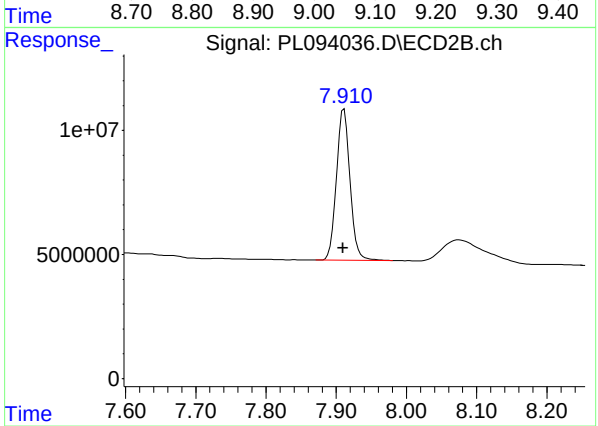
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 71591259
Conc: 21.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.006 min
Response: 48144366
Conc: 23.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.001 min
Response: 81527551
Conc: 23.27 ng/ml

Raw Data: **PL094051.D**

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:	02/04/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	02/04/25
Client Sample ID:	PIBLK-PL094051.D	SDG No.:	Q1242
Lab Sample ID:	I.BLK-PL094051.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
PL094051.D	1		02/04/25	pl020425

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	20.1		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		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)

Sample Results: **PL094051.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:37
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 05 01:41:25 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...	3.538	2.774	58948039	69967397	21.891	21.435
28)	SA Decachlor...	9.054	7.910	42105575	68566040	20.128	19.568
	Target Compounds						

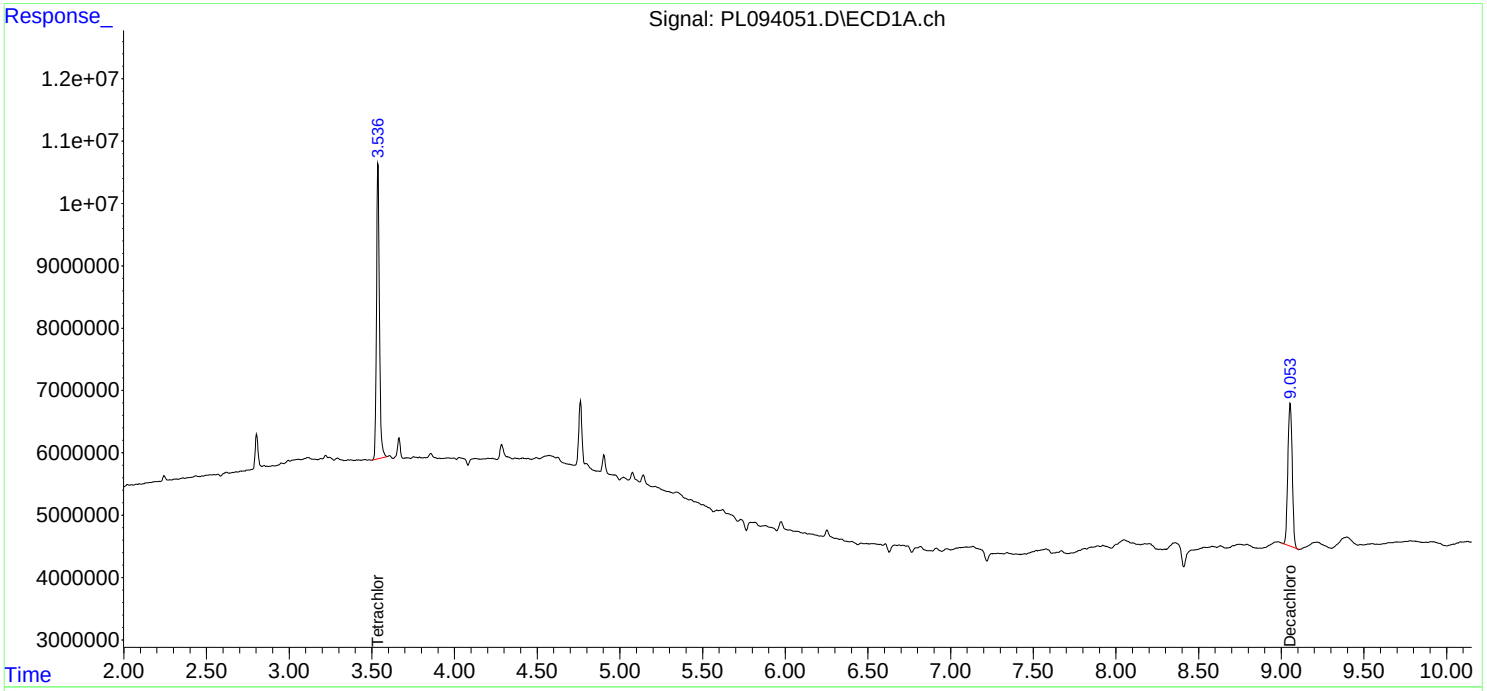
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

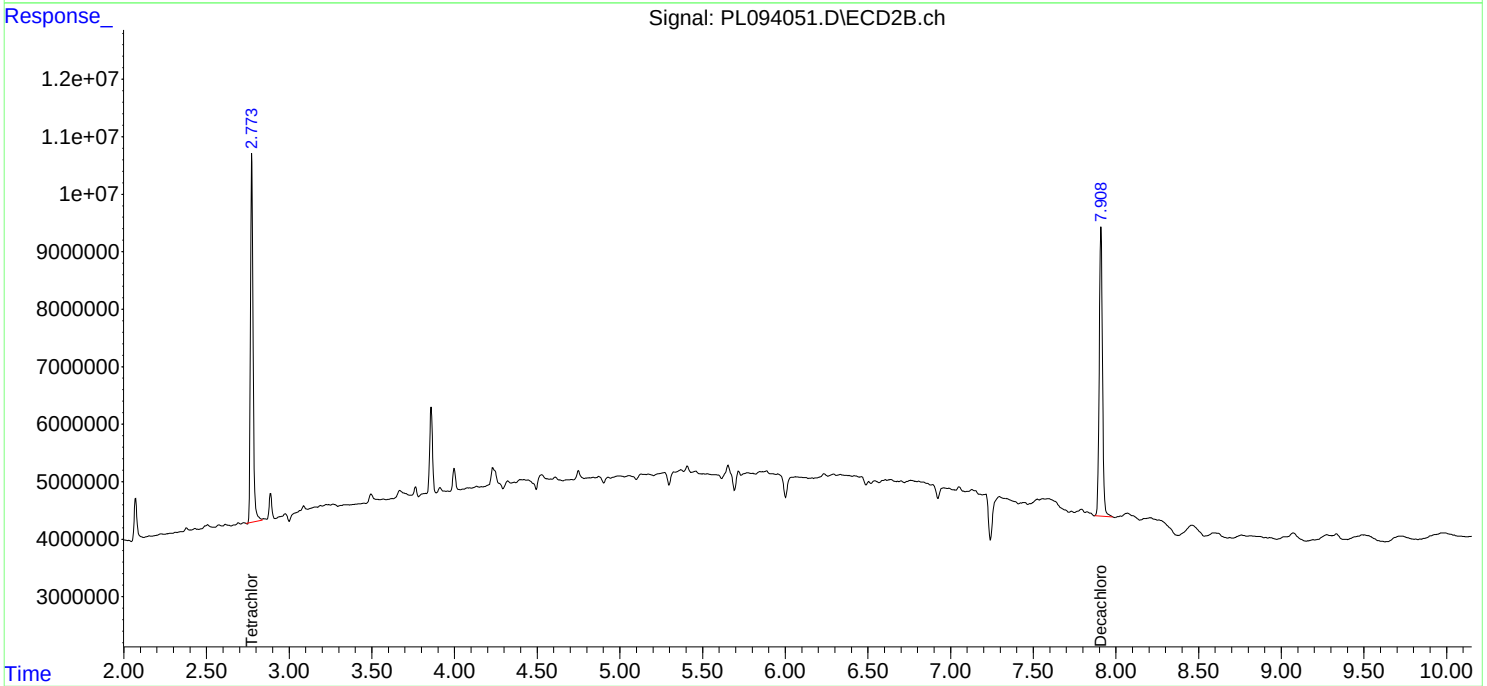
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 14:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

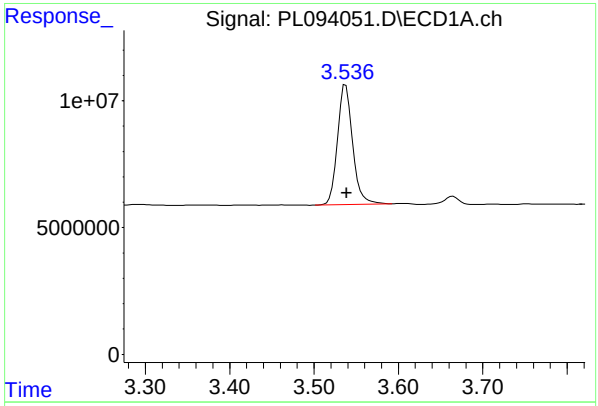
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:41:25 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



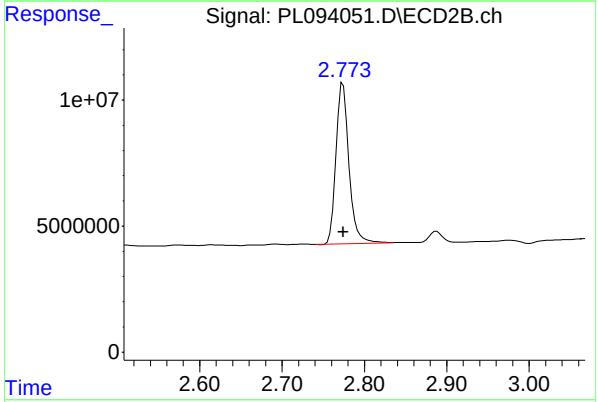




#1 Tetrachloro-m-xylene

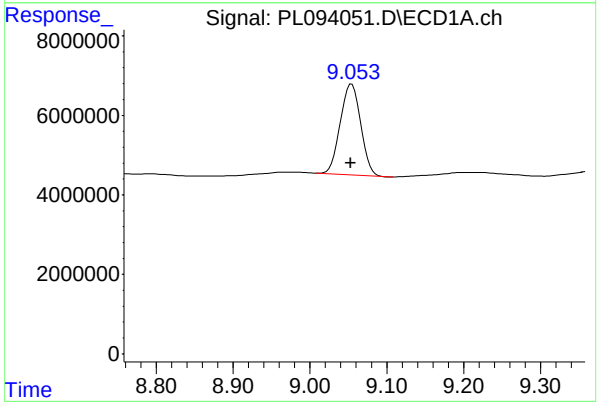
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 58948039
Conc: 21.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



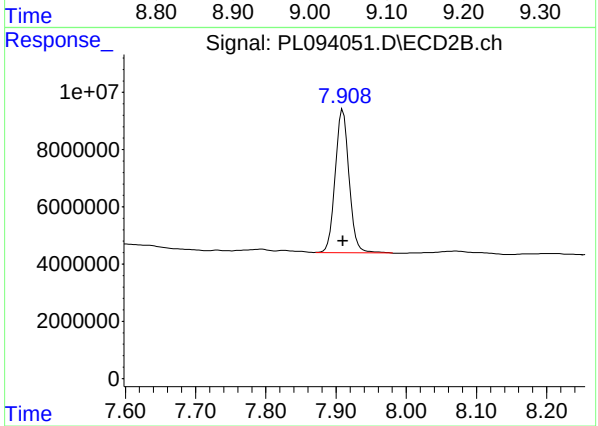
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 69967397
Conc: 21.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 42105575
Conc: 20.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 68566040
Conc: 19.57 ng/ml

Raw Data: **PL094042.D**

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:	PB166484BS	SDG No.:	Q1242
Lab Sample ID:	PB166484BS	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
PL094042.D	1	02/03/25 09:36	02/04/25 11:53	PB166484

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.49		0.0090	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.43		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	20.7		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	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)

Sample Results: **PL094042.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 11:53
Operator : AR\AJ
Sample : PB166484BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:38:03 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...	3.547	2.776	58070471	66520321	21.565	20.379
28)	SA	Decachlor...	9.066	7.914	43220234	66907602	20.661	19.094
		Target Compounds						
2)	A	alpha-BHC	4.003	3.278	186.2E6	238.8E6	48.557	48.851
3)	MA	gamma-BHC...	4.336	3.608	172.9E6	226.8E6	46.943	47.833
4)	MA	Heptachlor	4.924	3.947	158.3E6	221.6E6	48.292	47.597
5)	MB	Aldrin	5.266	4.227	159.9E6	219.5E6	48.857	48.120
6)	B	beta-BHC	4.535	3.909	77606964	99722327	48.283	49.925
7)	B	delta-BHC	4.782	4.137	169.9E6	225.5E6	48.460	47.457
8)	B	Heptachlo...	5.693	4.730	142.4E6	206.0E6	47.900	49.281
9)	A	Endosulfan I	6.078	5.100	126.2E6	200.5E6	47.758	51.705
10)	B	gamma-Chl...	5.948	4.978	143.1E6	222.2E6	51.322m	52.432m
11)	B	alpha-Chl...	6.028	5.043	136.1E6	215.8E6	48.825	51.549
12)	B	4,4'-DDE	6.201	5.233	127.2E6	216.9E6	52.264	54.101
13)	MA	Dieldrin	6.354	5.364	133.2E6	219.1E6	47.993	51.006
14)	MA	Endrin	6.581	5.640	102.0E6	174.4E6	43.508m	47.226
15)	B	Endosulfa...	6.803	5.935	114.6E6	186.6E6	47.579	50.388
16)	A	4,4'-DDD	6.719	5.787	99733073	170.5E6	52.476	54.011
17)	MA	4,4'-DDT	7.033	6.038	91653089	154.8E6	46.476	47.572
18)	B	Endrin al...	6.934	6.114	89876482	150.3E6	46.231	49.378
19)	B	Endosulfa...	7.168	6.337	103.8E6	178.8E6	45.835	50.139
20)	A	Methoxychlor	7.509	6.613	44350165	71866014	42.506	40.190
21)	B	Endrin ke...	7.653	6.842	115.2E6	211.8E6	45.678	50.485
22)		Mirex	8.126	7.023	82190401	141.7E6	39.467	41.892

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

Sample Results: **PL094042.D**

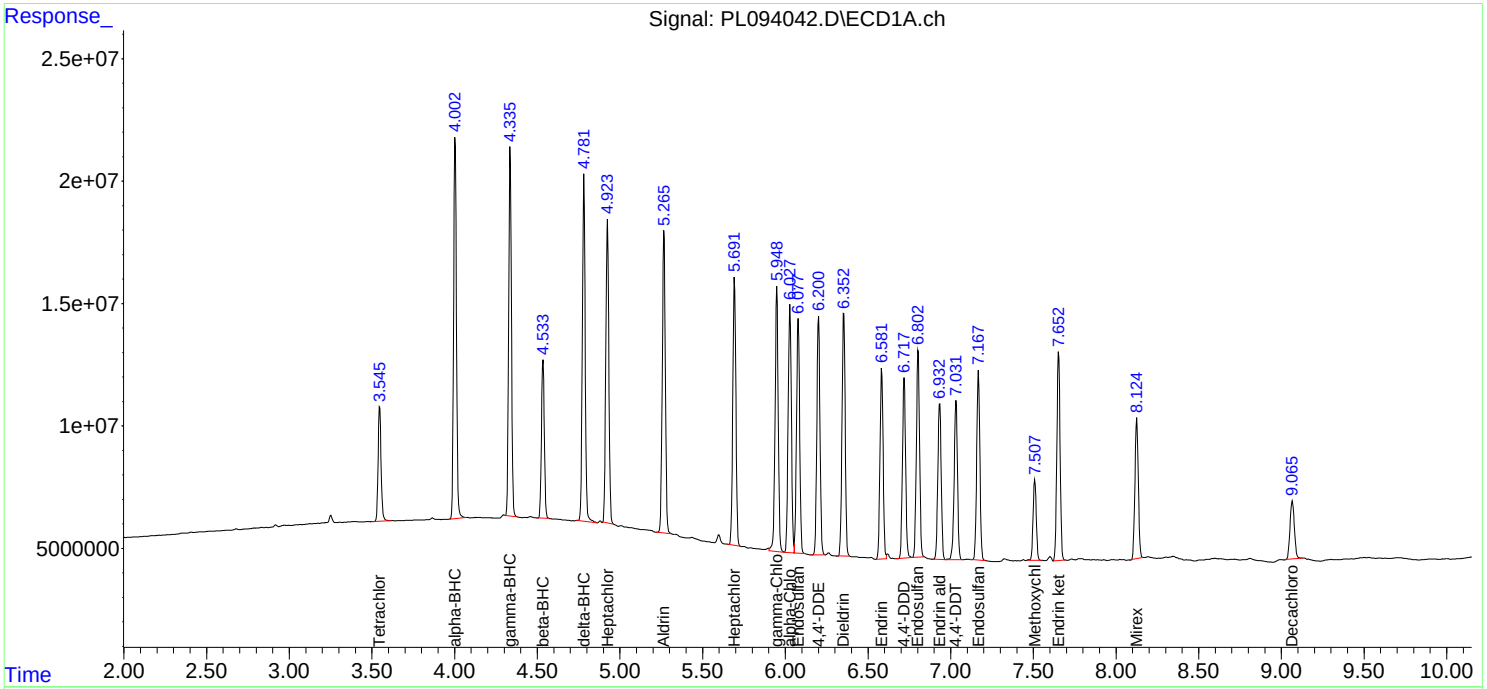
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020425\
Data File : PL094042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 11:53
Operator : AR\AJ
Sample : PB166484BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

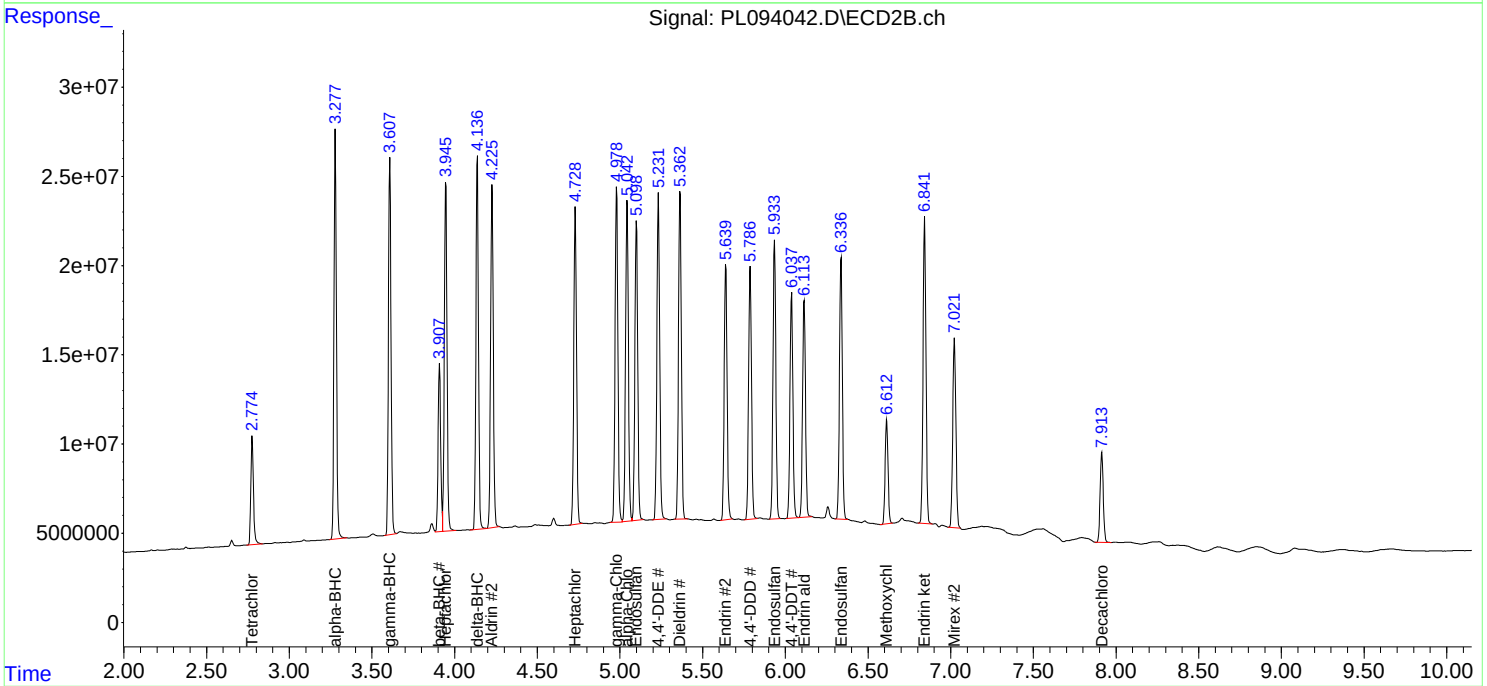
Instrument :
ECD_L
ClientSampleId :
PB166484BS

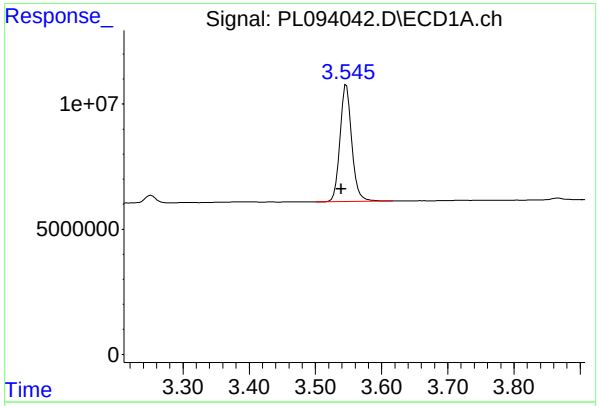
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 05 01:38:03 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







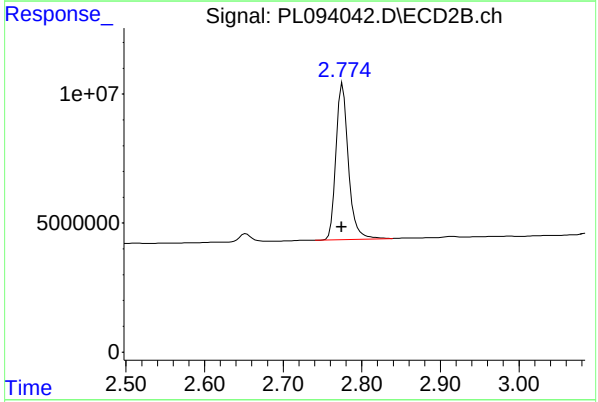
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.008 mi
Response: 58070471
Conc: 21.57 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166484BS

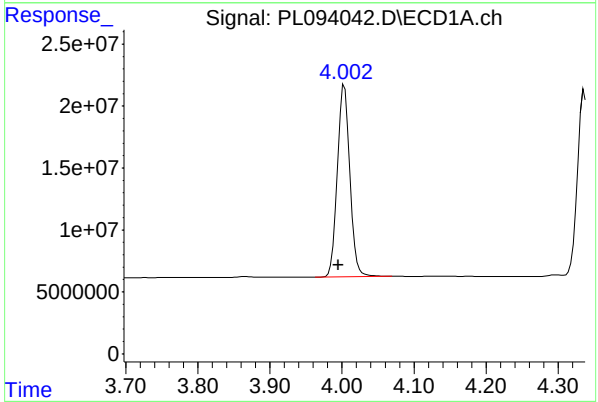
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



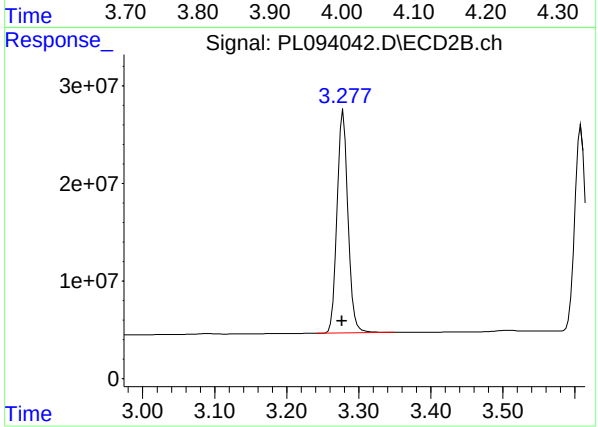
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.001 min
Response: 66520321
Conc: 20.38 ng/ml



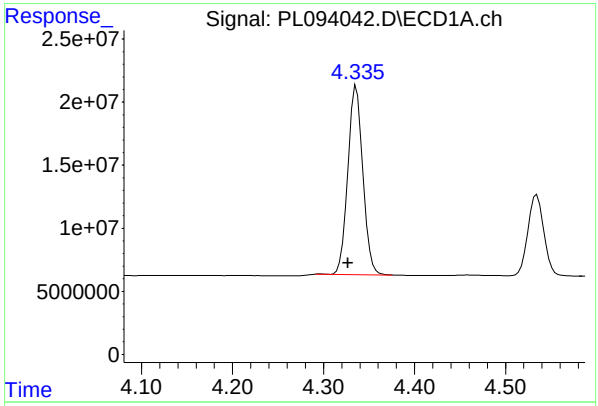
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.009 min
Response: 186159853
Conc: 48.56 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: 0.001 min
Response: 238833427
Conc: 48.85 ng/ml



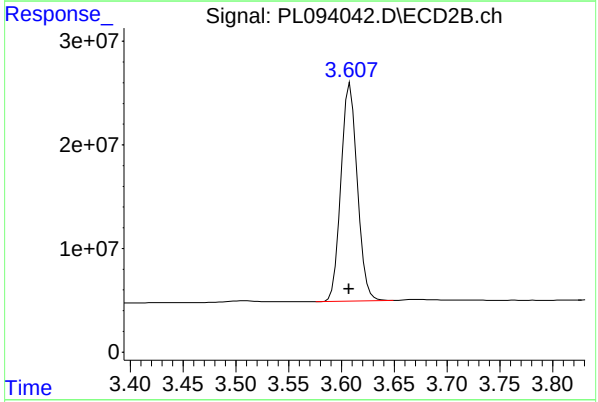
#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.009 min
Response: 172884869
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

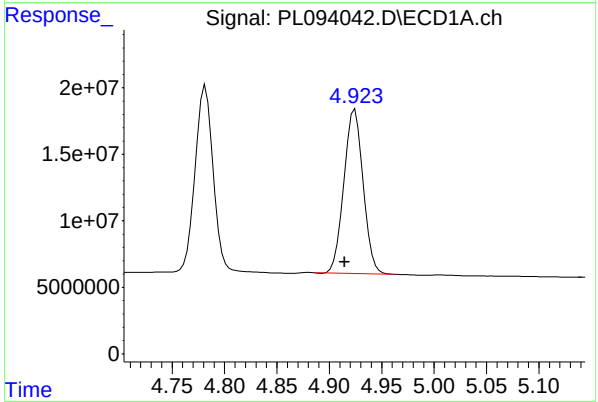
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



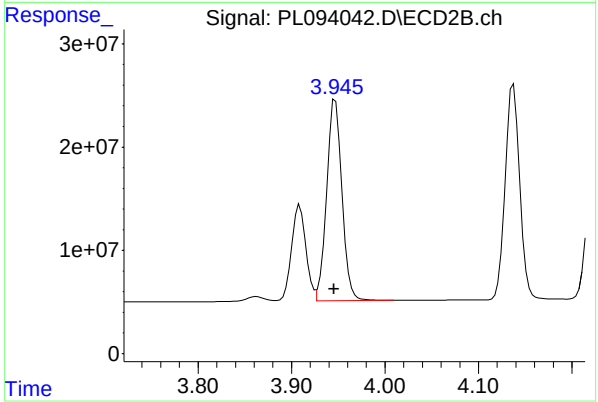
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: 0.001 min
Response: 226788215
Conc: 47.83 ng/ml



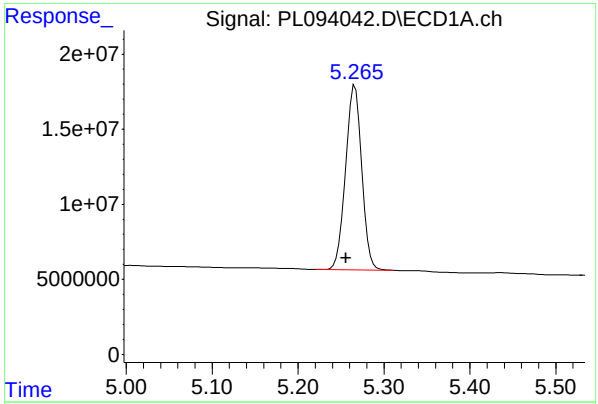
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.010 min
Response: 158267824
Conc: 48.29 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.002 min
Response: 221554240
Conc: 47.60 ng/ml



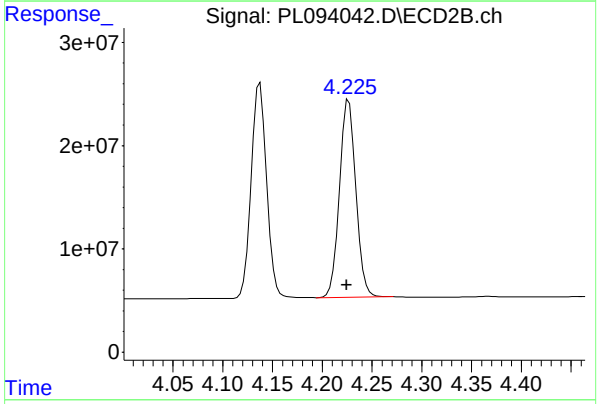
#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.011 min
Response: 159858339
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

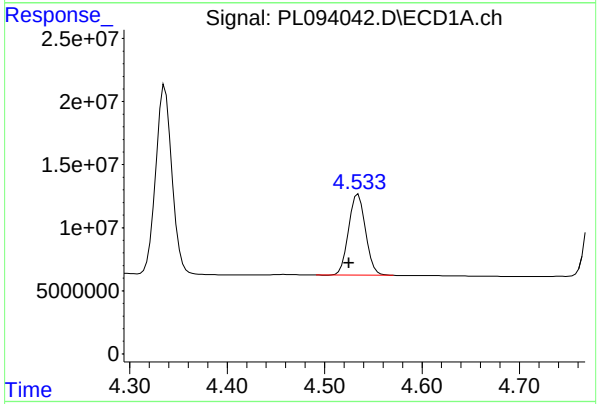
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



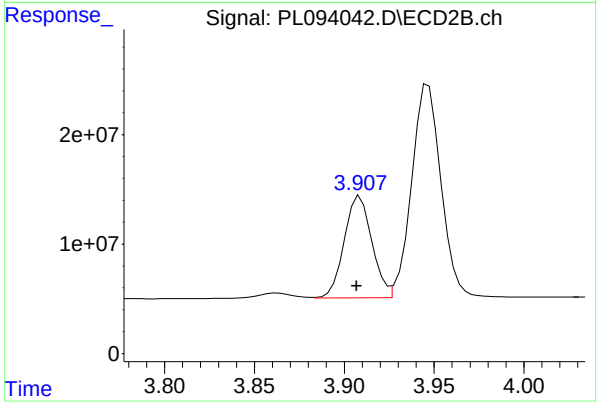
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.002 min
Response: 219511775
Conc: 48.12 ng/ml



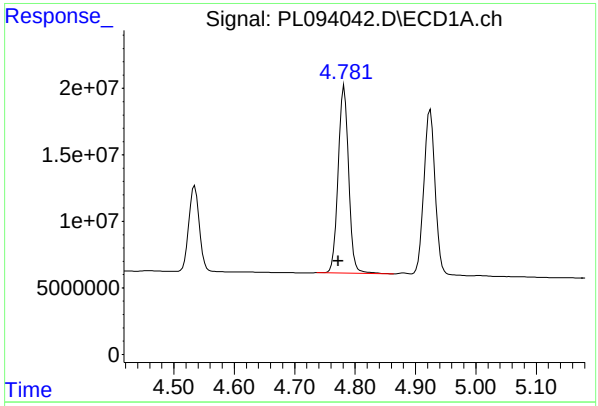
#6 beta-BHC

R.T.: 4.535 min
Delta R.T.: 0.009 min
Response: 77606964
Conc: 48.28 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 99722327
Conc: 49.93 ng/ml



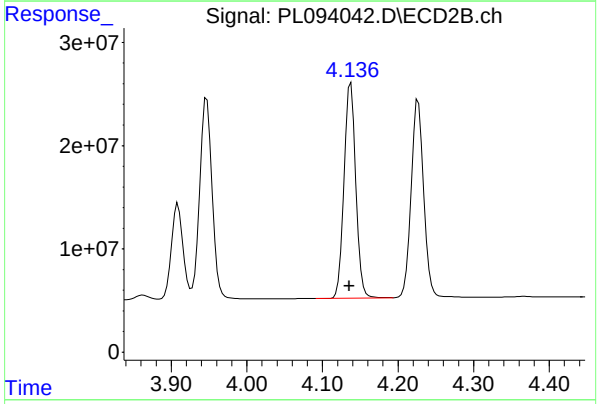
#7 delta-BHC

R.T.: 4.782 min
Delta R.T.: 0.010 min
Response: 169864930
Conc: 48.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

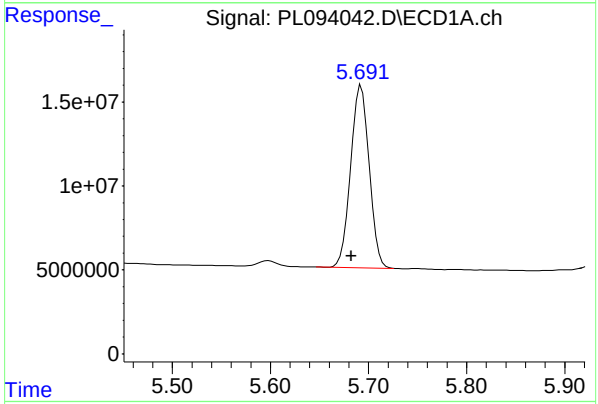
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



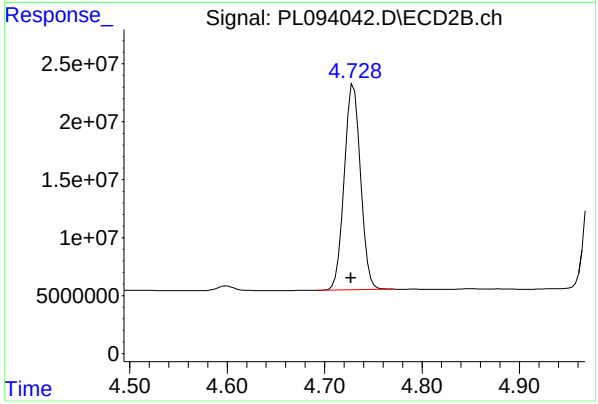
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.002 min
Response: 225478640
Conc: 47.46 ng/ml



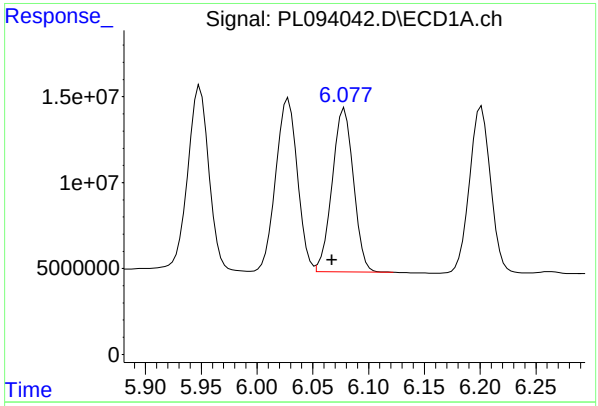
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.010 min
Response: 142445131
Conc: 47.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min
Delta R.T.: 0.003 min
Response: 206005504
Conc: 49.28 ng/ml



#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.011 mi
Response: 126218411
Conc: 47.76 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations
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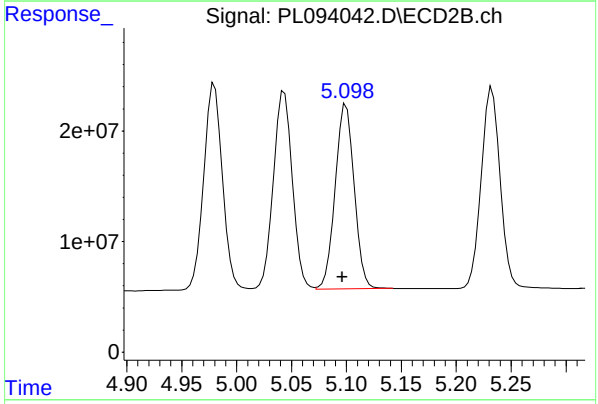
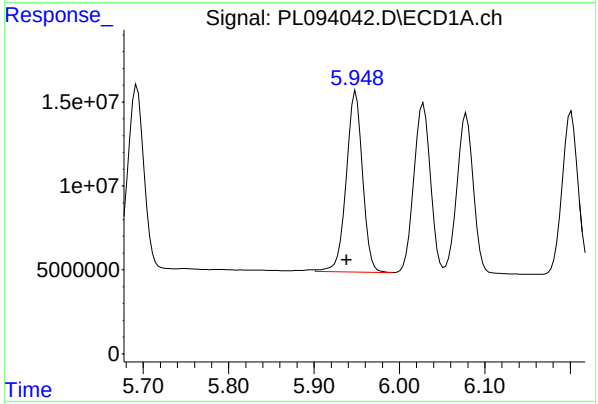
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



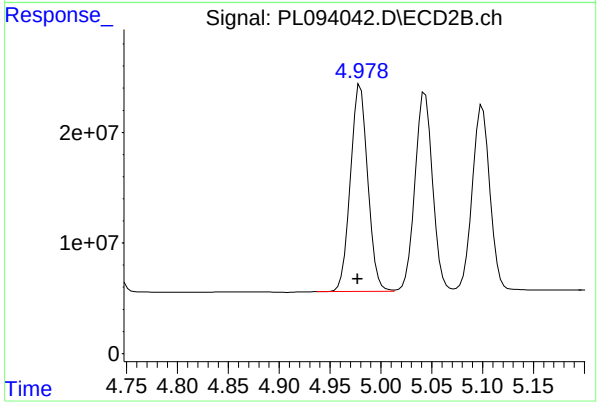
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.003 min
Response: 200455429
Conc: 51.70 ng/ml



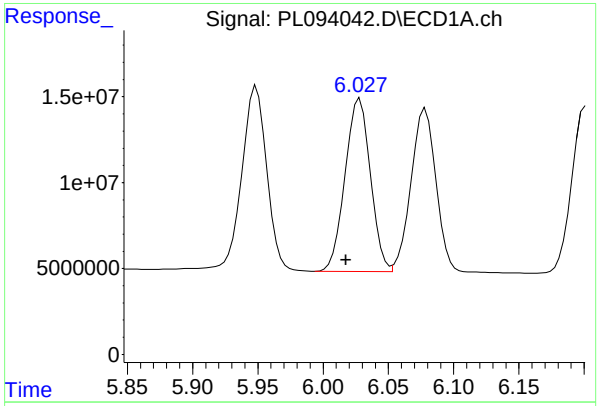
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.009 min
Response: 143053150
Conc: 51.32 ng/ml m



#10 gamma-Chlordane

R.T.: 4.978 min
Delta R.T.: 0.001 min
Response: 222187781
Conc: 52.43 ng/ml m



#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.011 min
Response: 136145236
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations APPROVED

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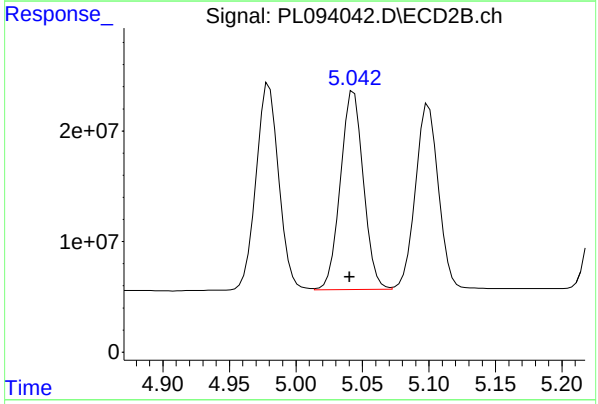
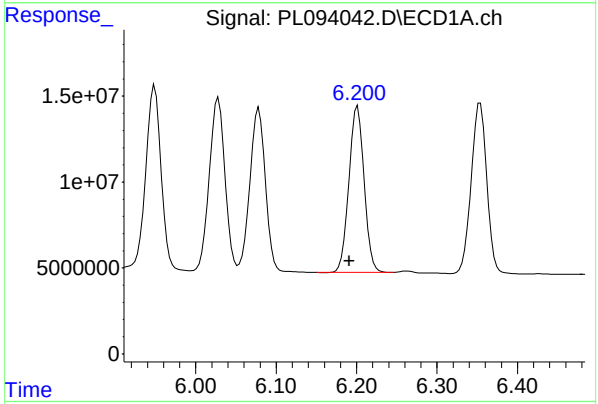
Supervised By :Ankita Jodhani 02/05/2025



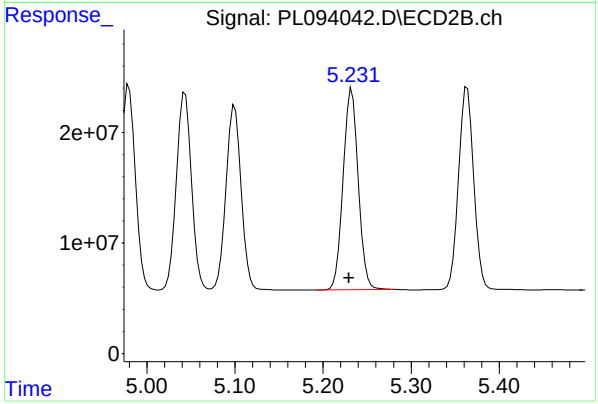
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.003 min
Response: 215811680
Conc: 51.55 ng/ml



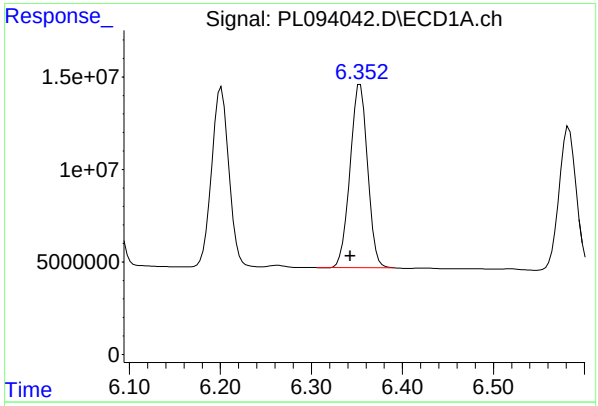
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.010 min
Response: 127241108
Conc: 52.26 ng/ml



#12 4,4'-DDE

R.T.: 5.233 min
Delta R.T.: 0.003 min
Response: 216916308
Conc: 54.10 ng/ml



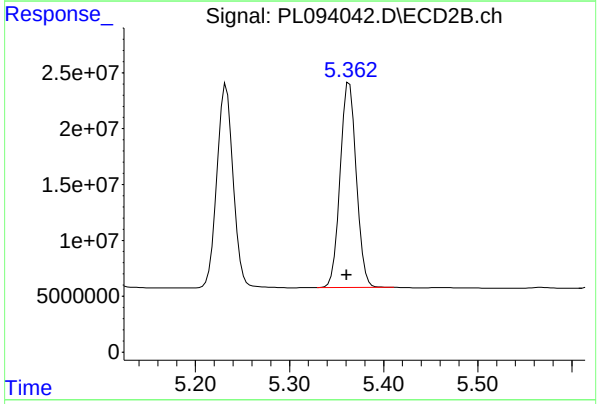
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.011 mi
Response: 133221536
Conc: 47.99 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166484BS

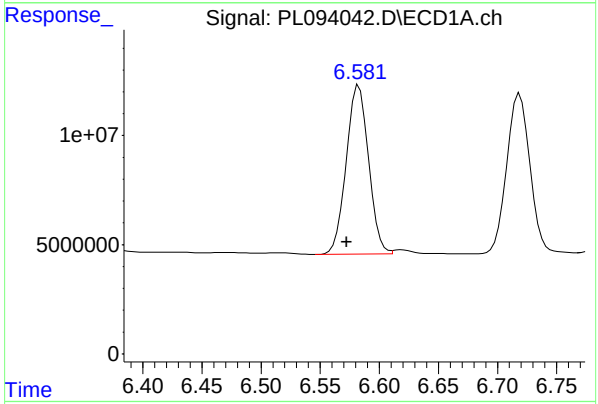
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



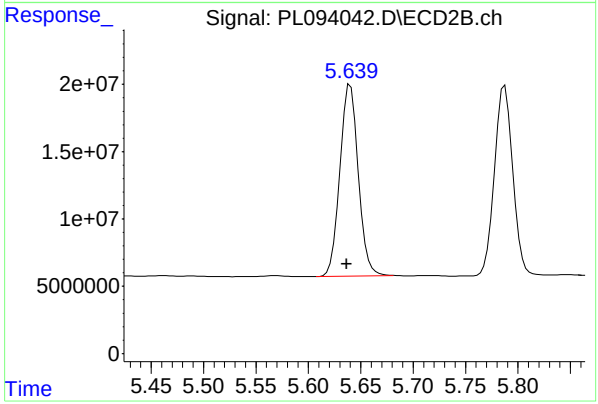
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.003 min
Response: 219102425
Conc: 51.01 ng/ml



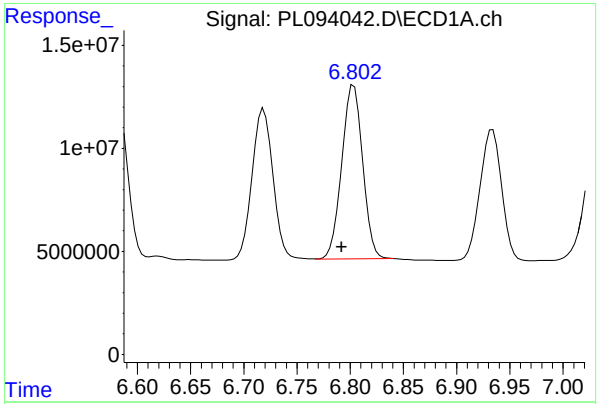
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.009 min
Response: 102018688
Conc: 43.51 ng/ml m



#14 Endrin

R.T.: 5.640 min
Delta R.T.: 0.004 min
Response: 174392479
Conc: 47.23 ng/ml



#15 Endosulfan II

R.T.: 6.803 min
Delta R.T.: 0.011 min
Response: 114634472
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations
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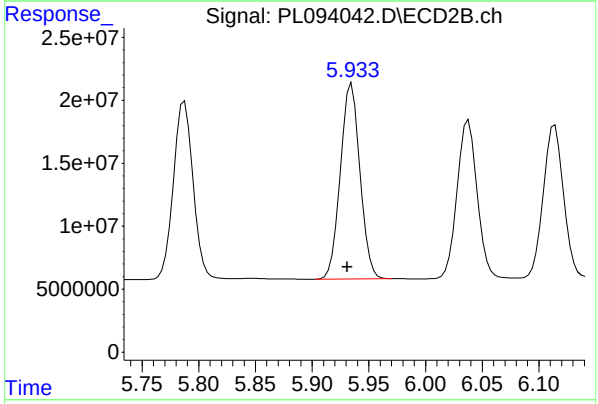
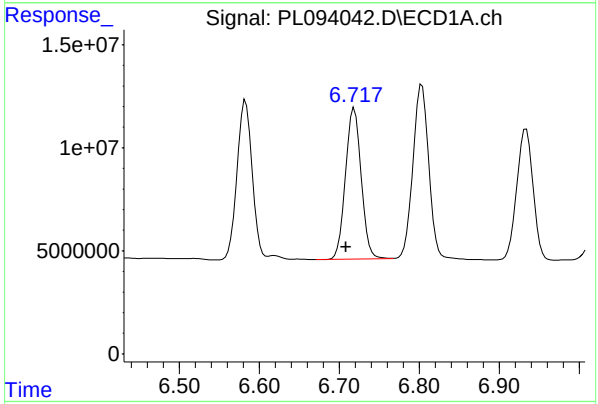
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



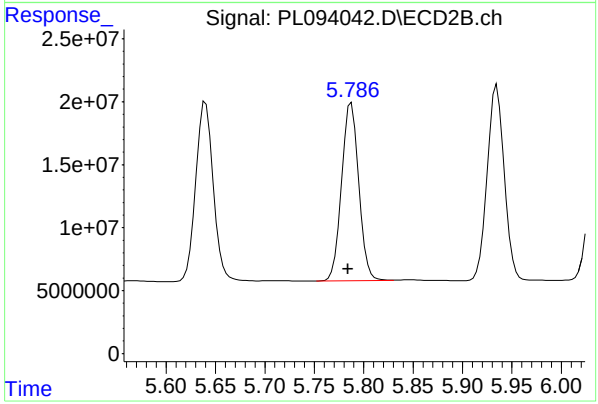
#15 Endosulfan II

R.T.: 5.935 min
Delta R.T.: 0.004 min
Response: 186630290
Conc: 50.39 ng/ml



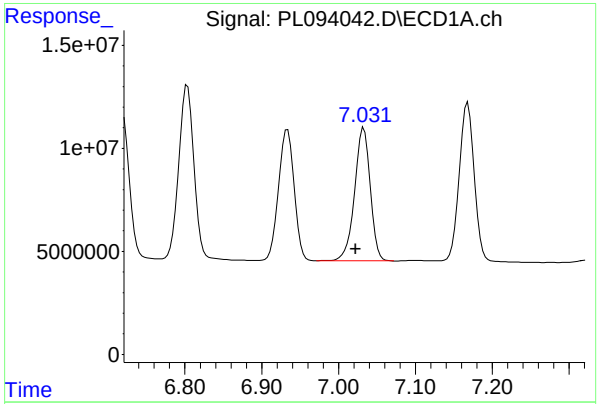
#16 4,4'-DDD

R.T.: 6.719 min
Delta R.T.: 0.011 min
Response: 99733073
Conc: 52.48 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.003 min
Response: 170487718
Conc: 54.01 ng/ml



#17 4,4'-DDT

R.T.: 7.033 min
Delta R.T.: 0.010 mi
Response: 91653089
Conc: 46.48 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations
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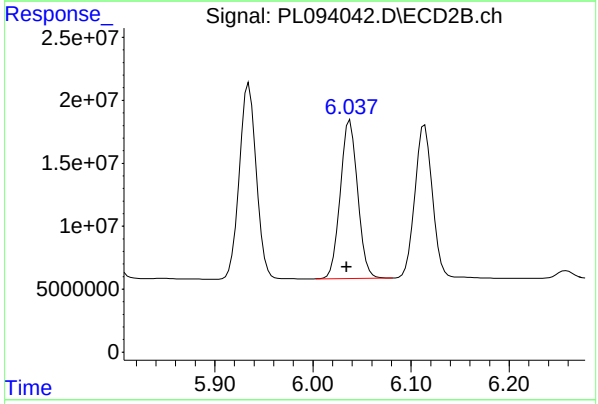
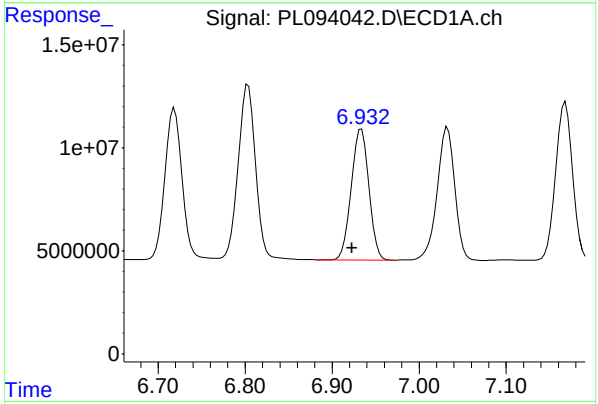
Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



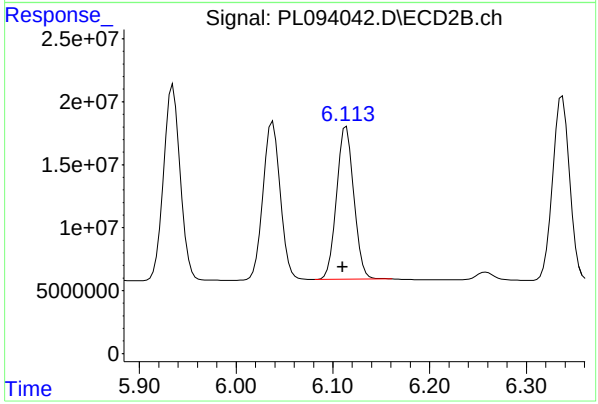
#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.004 min
Response: 154801070
Conc: 47.57 ng/ml



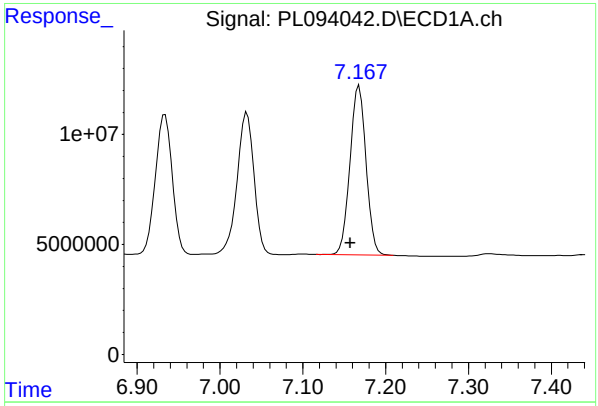
#18 Endrin aldehyde

R.T.: 6.934 min
Delta R.T.: 0.011 min
Response: 89876482
Conc: 46.23 ng/ml



#18 Endrin aldehyde

R.T.: 6.114 min
Delta R.T.: 0.004 min
Response: 150338126
Conc: 49.38 ng/ml



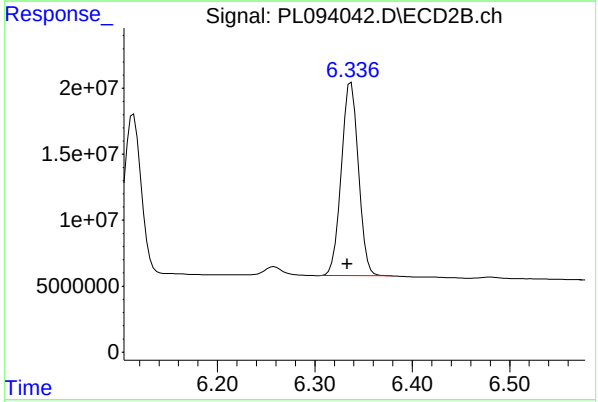
#19 Endosulfan Sulfate

R.T.: 7.168 min
Delta R.T.: 0.011 min
Response: 103757550
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

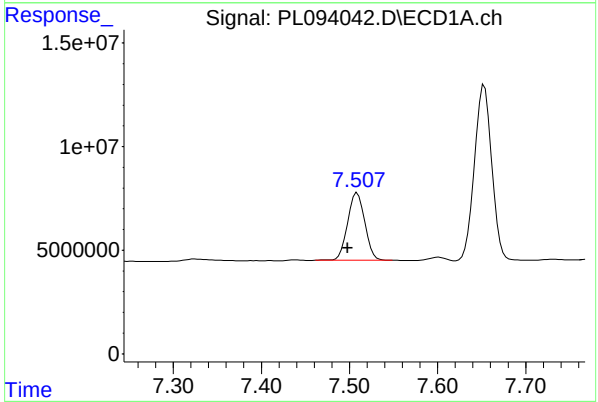
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



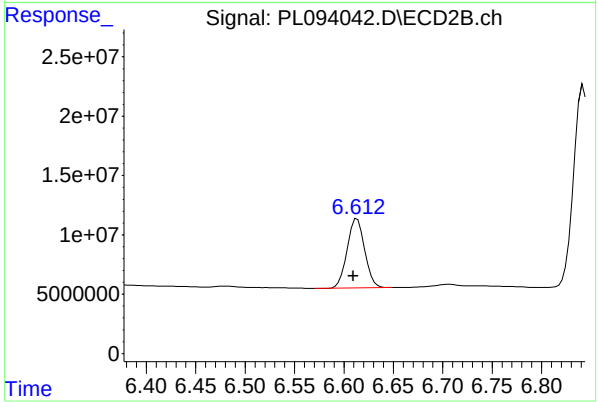
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.004 min
Response: 178800876
Conc: 50.14 ng/ml



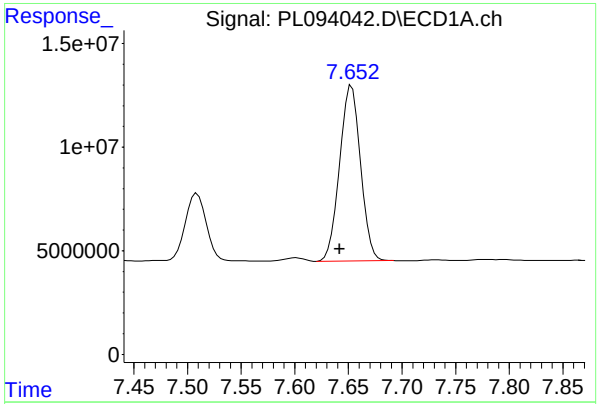
#20 Methoxychlor

R.T.: 7.509 min
Delta R.T.: 0.011 min
Response: 44350165
Conc: 42.51 ng/ml



#20 Methoxychlor

R.T.: 6.613 min
Delta R.T.: 0.004 min
Response: 71866014
Conc: 40.19 ng/ml



#21 Endrin ketone

R.T.: 7.653 min
Delta R.T.: 0.011 min
Response: 115227958
Conc: 45.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
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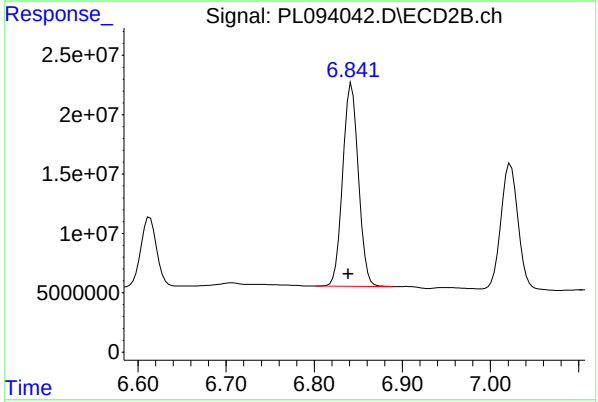
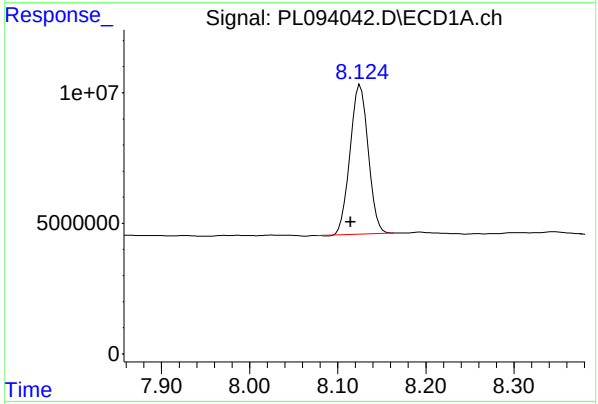


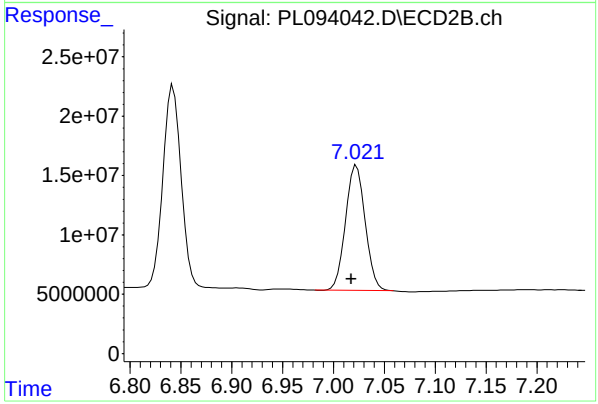
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.004 min
Response: 211794945
Conc: 50.48 ng/ml



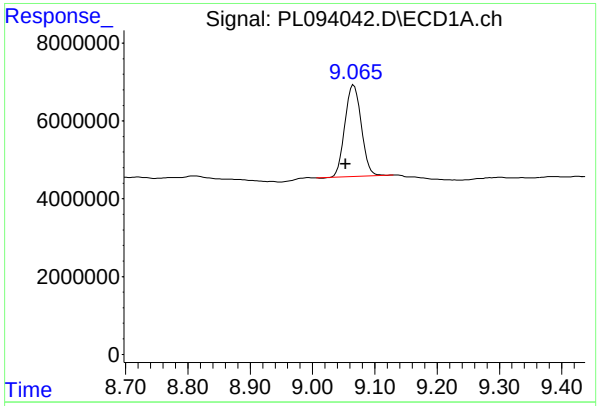
#22 Mirex

R.T.: 8.126 min
Delta R.T.: 0.011 min
Response: 82190401
Conc: 39.47 ng/ml



#22 Mirex

R.T.: 7.023 min
Delta R.T.: 0.005 min
Response: 141675330
Conc: 41.89 ng/ml



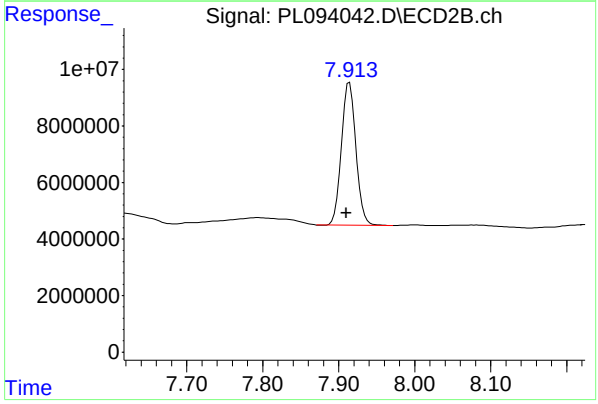
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.013 min
Response: 43220234
Conc: 20.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166484BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/05/2025
Supervised By :Ankita Jodhani 02/05/2025



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.004 min
Response: 66907602
Conc: 19.09 ng/ml

Raw Data: **PL094013.D**

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:	JPP-3.5-013025MS	SDG No.:	Q1242
Lab Sample ID:	Q1241-04MS	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
PL094013.D	1	02/03/25 09:36	02/03/25 20:29	PB166484

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.00		0.049	0.50	ug/L
76-44-8	Heptachlor	5.30		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.80		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	26.6		43 - 140	133%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		77 - 126	114%	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)

Sample Results: **PL094013.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1241-04MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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 00:50:32 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	61560756	72900196	22.862	22.334
28)	SA Decachlor...	9.056	7.910	52717126	93293086	25.200	26.624
	Target Compounds						
2)	A alpha-BHC	3.995	3.276	193.4E6	249.7E6	50.449	51.079
3)	MA gamma-BHC...	4.326	3.606	185.1E6	234.7E6	50.261m	49.512
4)	MA Heptachlor	4.915	3.944	173.2E6	238.6E6	52.853	51.262
5)	MB Aldrin	5.257	4.224	162.8E6	222.0E6	49.746	48.667
6)	B beta-BHC	4.526	3.906	81044226	102.2E6	50.422	51.150
7)	B delta-BHC	4.773	4.135	178.2E6	240.2E6	50.824	50.548
8)	B Heptachlo...	5.684	4.726	147.2E6	213.5E6	49.496	51.069
9)	A Endosulfan I	6.069	5.096	134.8E6	205.6E6	51.016	53.020
10)	B gamma-Chl...	5.940	4.976	143.9E6	230.4E6	51.624	54.370
11)	B alpha-Chl...	6.019	5.040	144.4E6	222.6E6	51.804	53.159
12)	B 4,4'-DDE	6.193	5.229	134.4E6	221.4E6	55.187	55.207
13)	MA Dieldrin	6.345	5.360	142.5E6	226.6E6	51.320	52.744
14)	MA Endrin	6.573	5.636	122.3E6	206.3E6	52.139m	55.856
15)	B Endosulfa...	6.795	5.931	124.1E6	201.5E6	51.497	54.402
16)	A 4,4'-DDD	6.711	5.784	108.0E6	180.5E6	56.812	57.194
17)	MA 4,4'-DDT	7.024	6.034	111.7E6	192.2E6	56.624	59.067
18)	B Endrin al...	6.925	6.110	94982600	155.0E6	48.858	50.913
19)	B Endosulfa...	7.159	6.333	114.0E6	193.0E6	50.344	54.117
20)	A Methoxychlor	7.501	6.609	58283509	103.1E6	55.859	57.650
21)	B Endrin ke...	7.644	6.838	124.5E6	225.1E6	49.349	53.663
22)	Mirex	8.117	7.018	93754803	166.6E6	45.021	49.257

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1241-04MS
Misc :
ALS Vial : 32 Sample Multiplier: 1

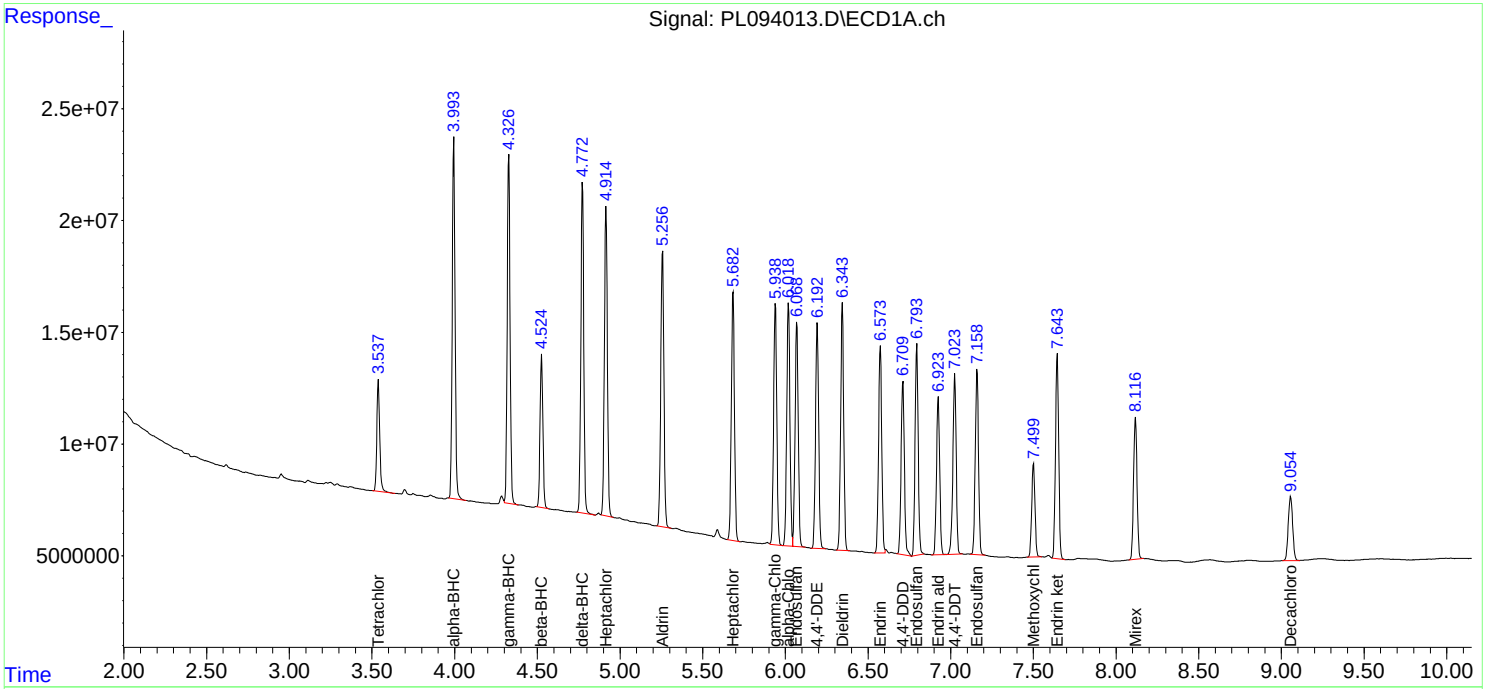
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:50:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

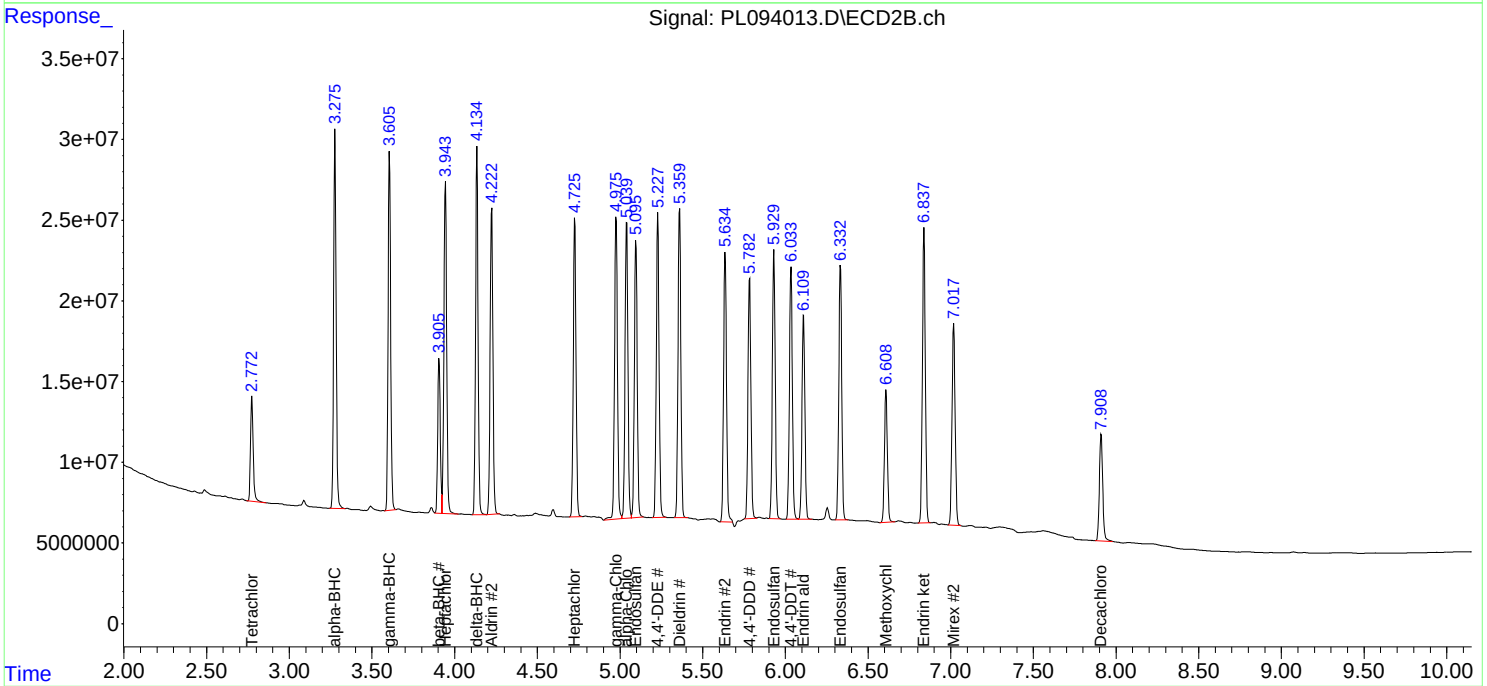
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

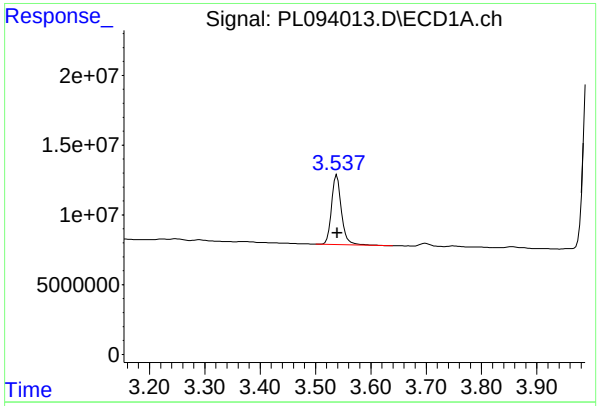
Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025







#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 61560756
Conc: 22.86 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

Manual Integrations
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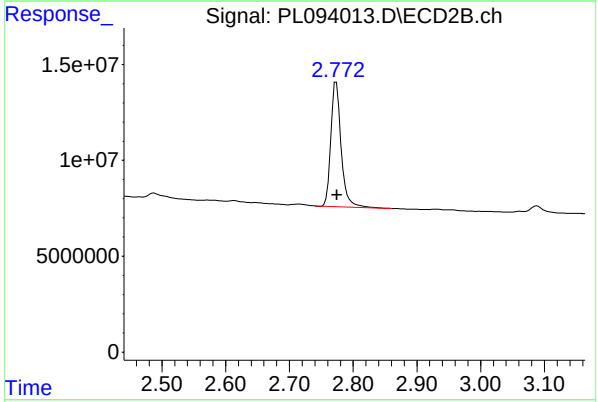
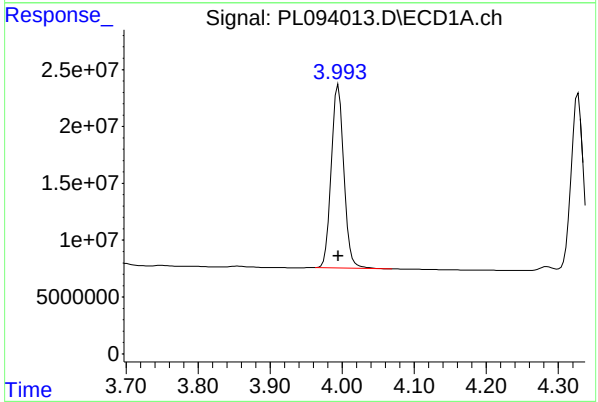


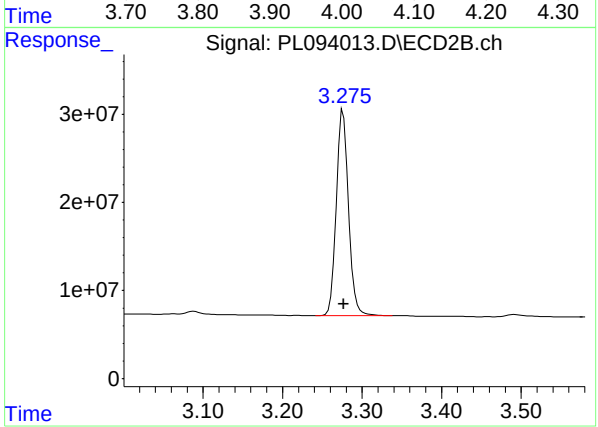
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 72900196
Conc: 22.33 ng/ml



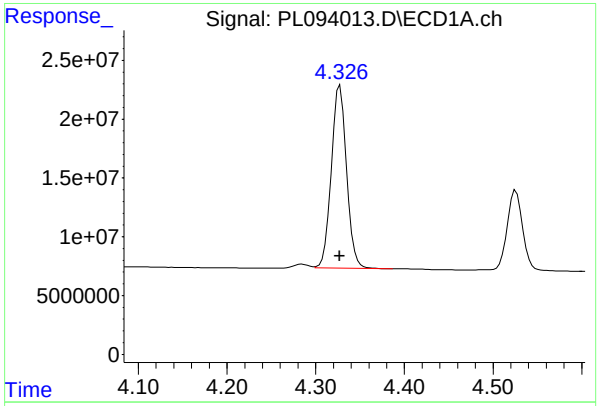
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 193413957
Conc: 50.45 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 249724047
Conc: 51.08 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 185105178
Conc: 50.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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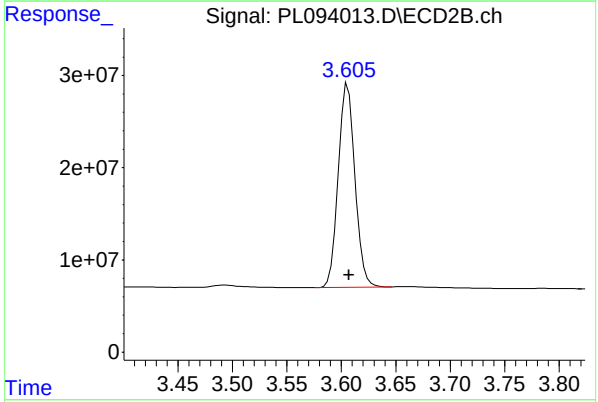
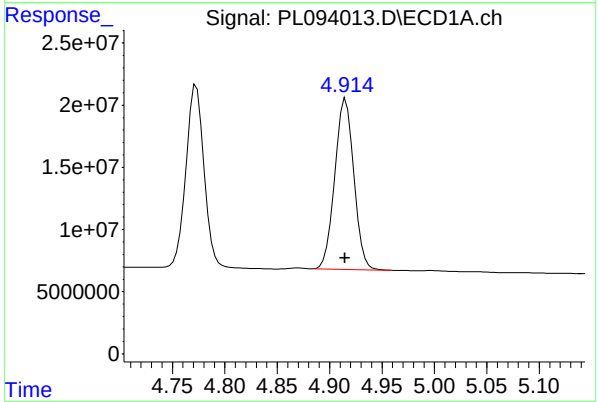


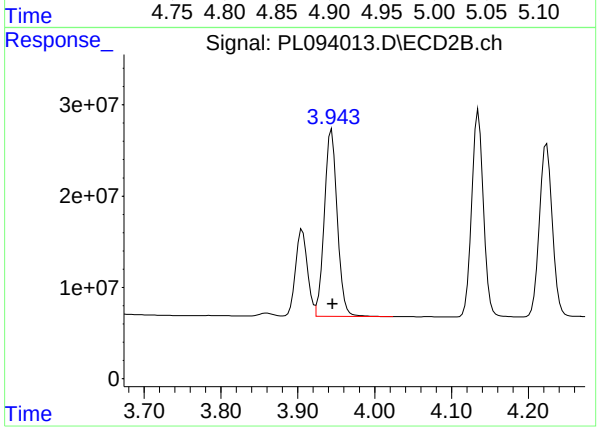
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 234745129
Conc: 49.51 ng/ml



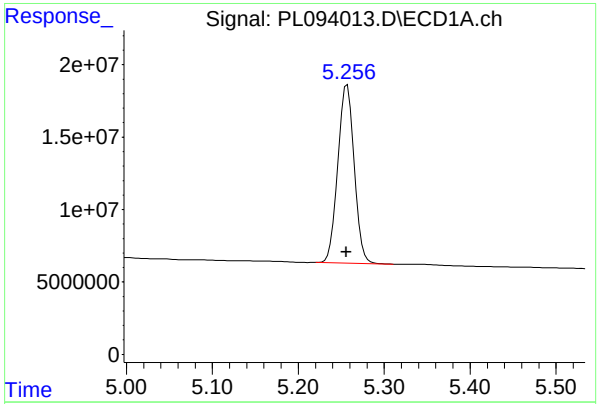
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 173218907
Conc: 52.85 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 238616107
Conc: 51.26 ng/ml



#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 mi
Response: 162767025
Conc: 49.75 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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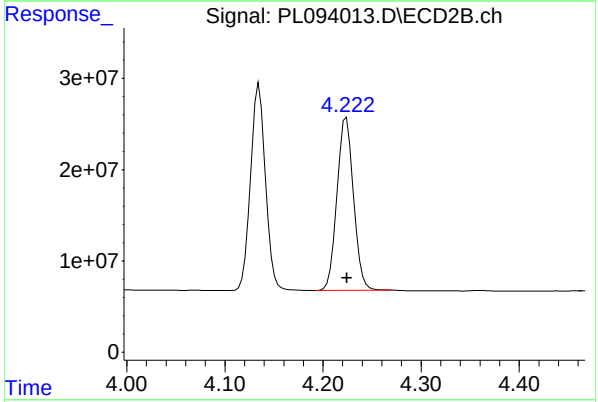
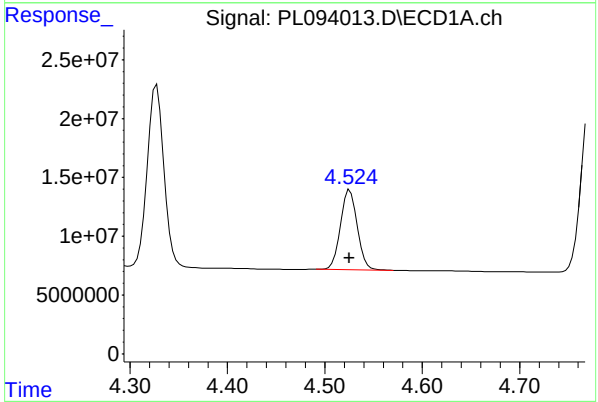


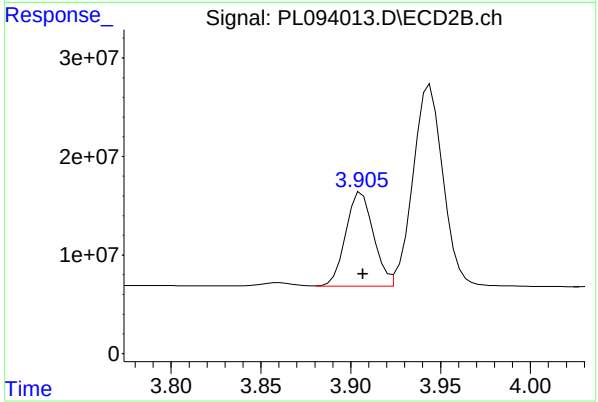
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 222010423
Conc: 48.67 ng/ml



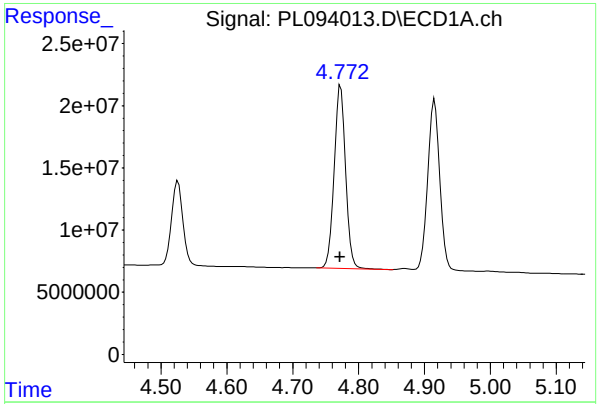
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 81044226
Conc: 50.42 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 102167972
Conc: 51.15 ng/ml



#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 178152872
Conc: 50.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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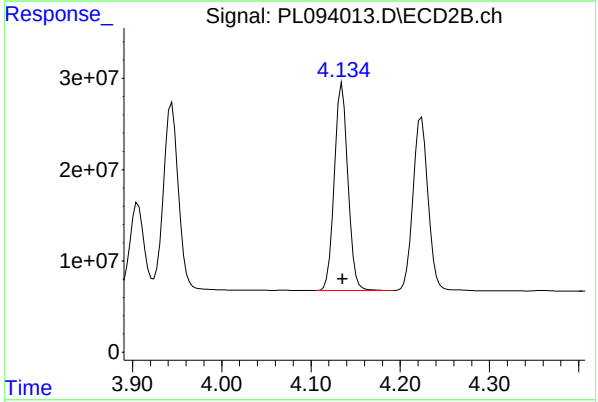
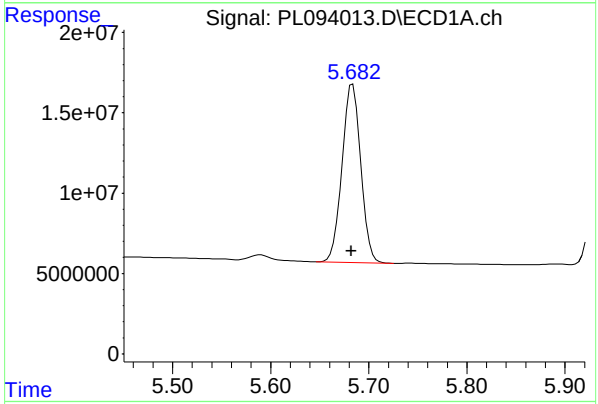


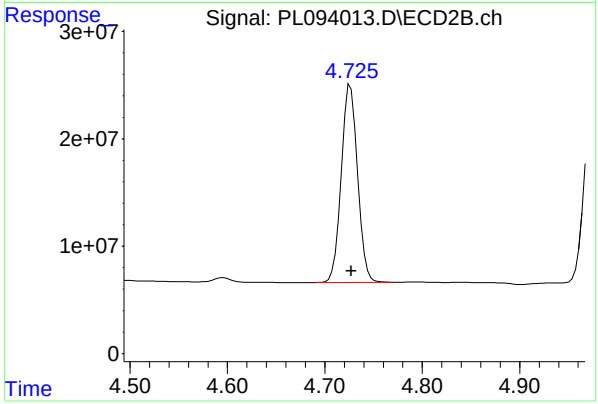
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 240164433
Conc: 50.55 ng/ml



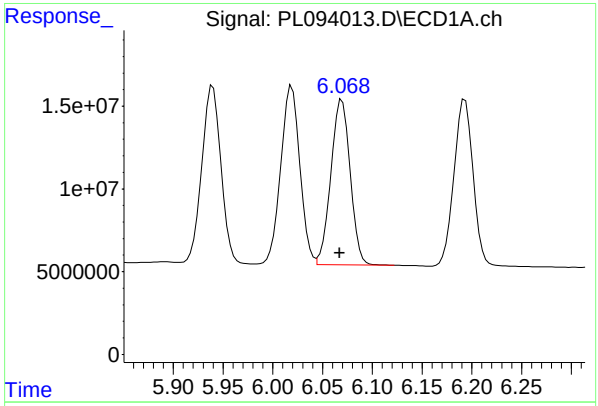
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.001 min
Response: 147190983
Conc: 49.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 213481989
Conc: 51.07 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 mi
Response: 134828324
Conc: 51.02 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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Reviewed By :Abdul Mirza 02/04/2025
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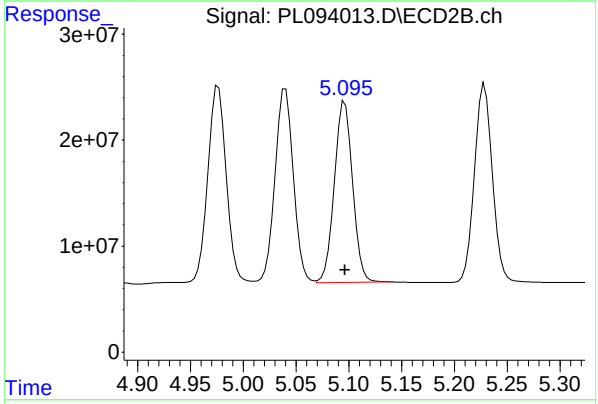
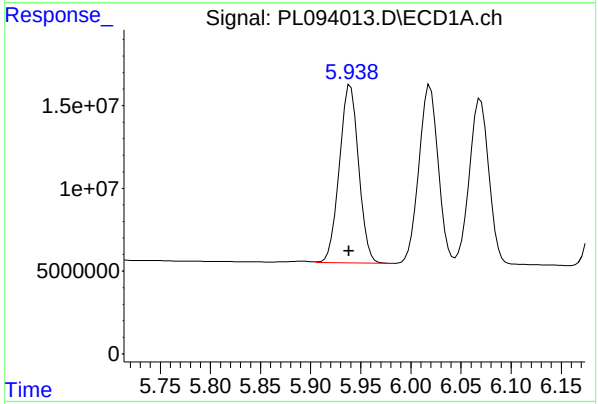


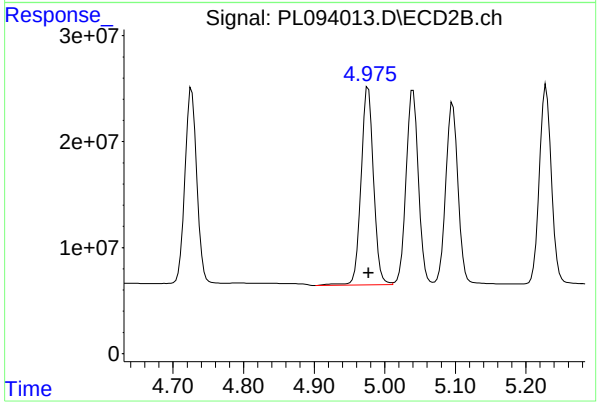
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 205554424
Conc: 53.02 ng/ml



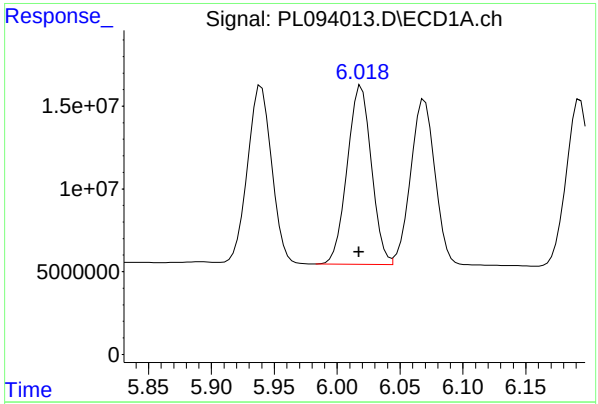
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.001 min
Response: 143894531
Conc: 51.62 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 230397871
Conc: 54.37 ng/ml



#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.002 min
Response: 144449993
Conc: 51.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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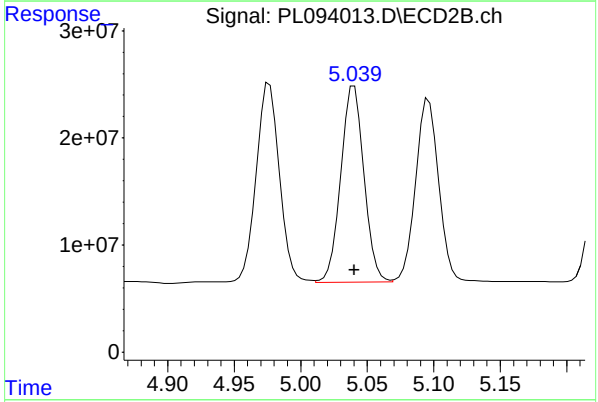
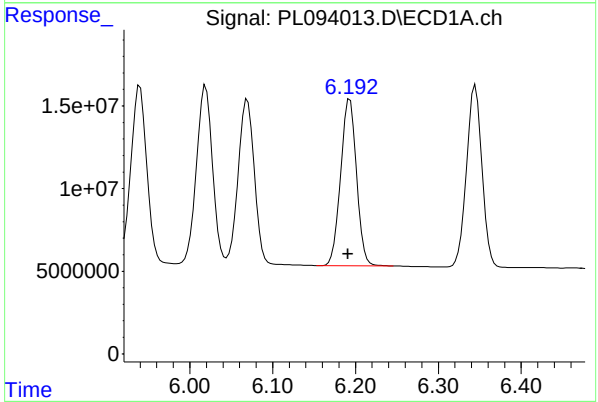


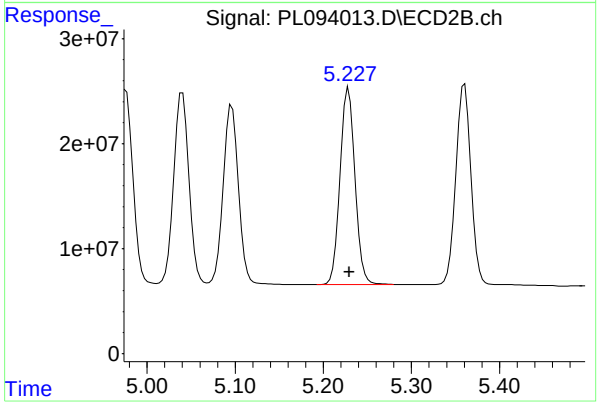
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 222553716
Conc: 53.16 ng/ml



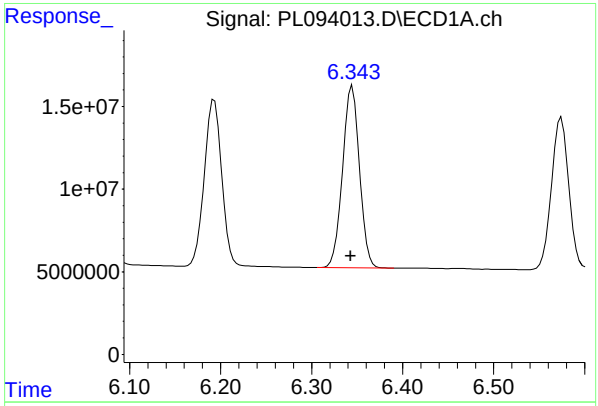
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 134358930
Conc: 55.19 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221351908
Conc: 55.21 ng/ml



#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 mi
Response: 142455505
Conc: 51.32 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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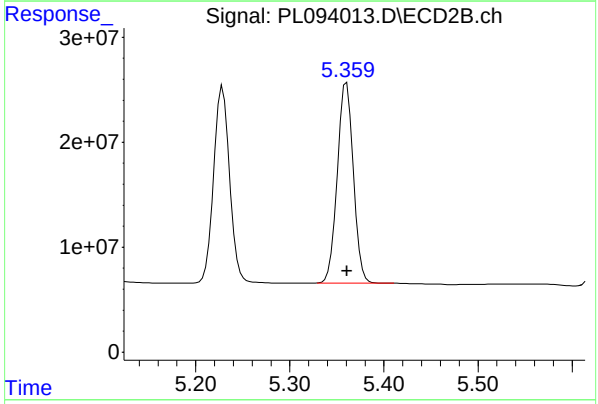
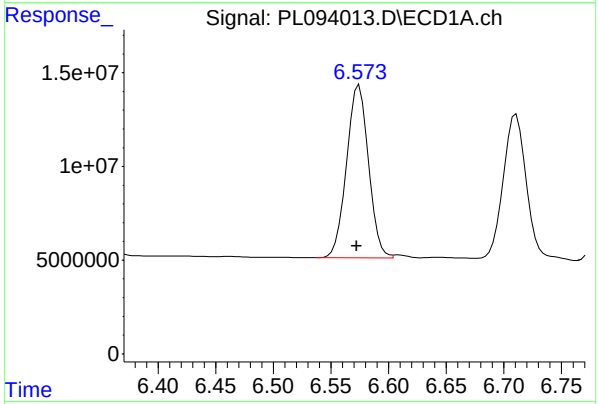


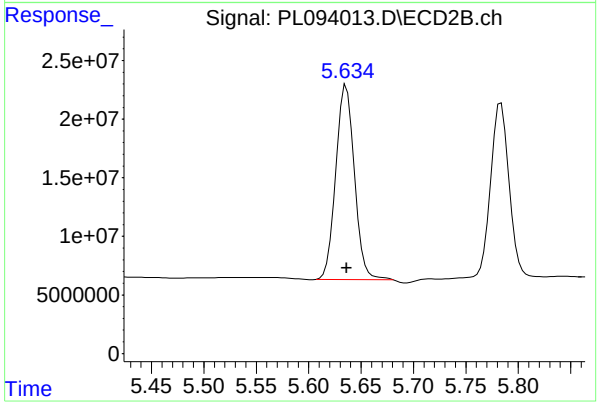
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 226567919
Conc: 52.74 ng/ml



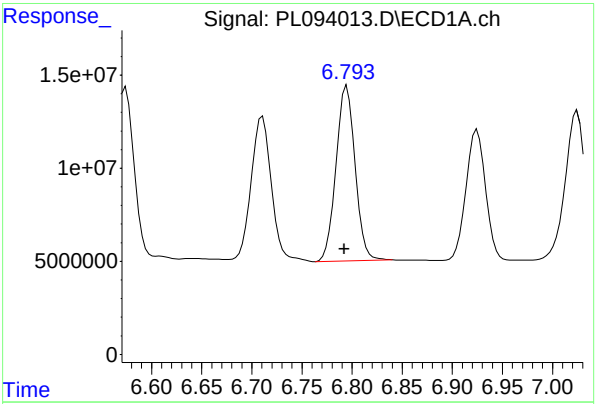
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 122255827
Conc: 52.14 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 206256901
Conc: 55.86 ng/ml



#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.003 min
Response: 124073349
Conc: 51.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

Manual Integrations APPROVED

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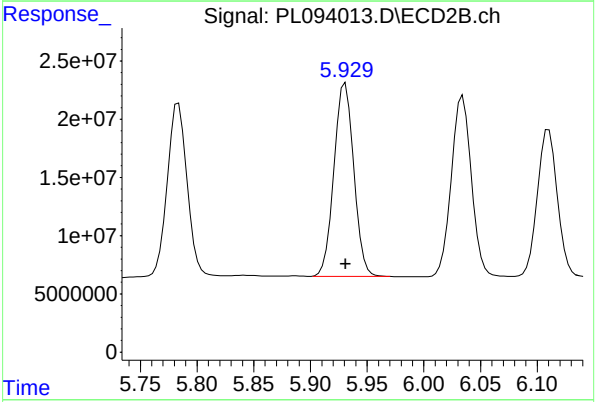
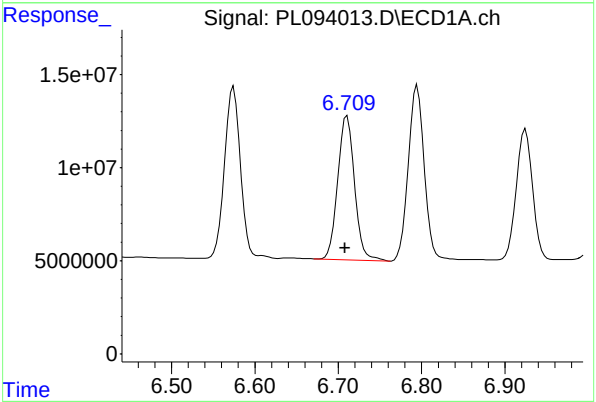


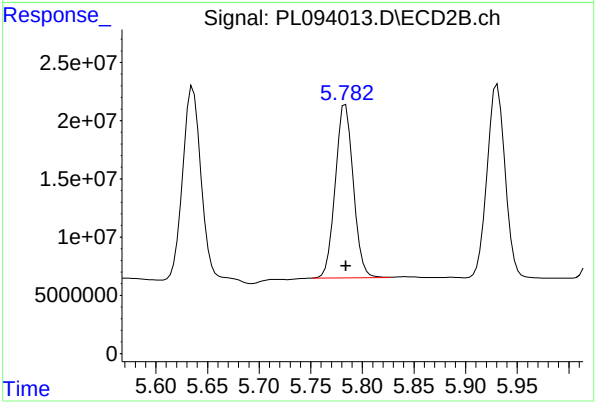
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 201493871
Conc: 54.40 ng/ml



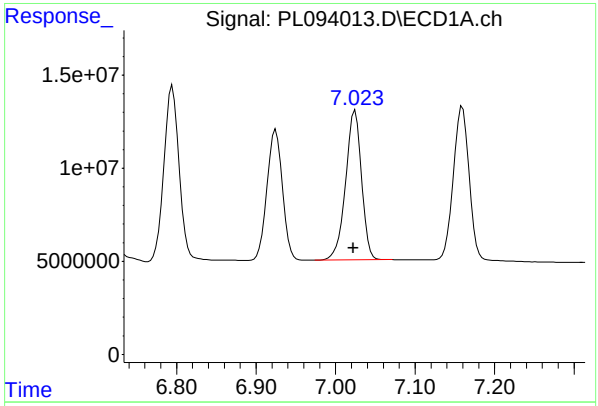
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.002 min
Response: 107975600
Conc: 56.81 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 180535750
Conc: 57.19 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 111665373
Conc: 56.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

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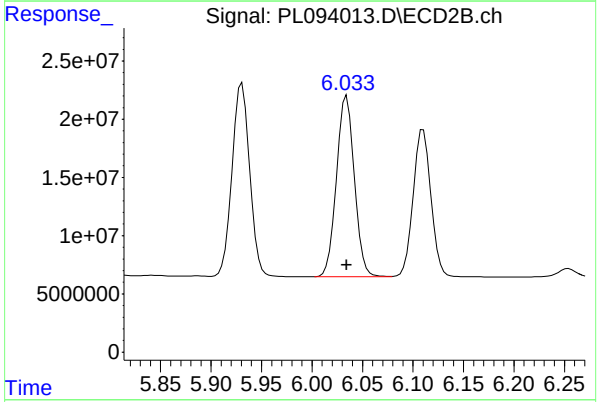
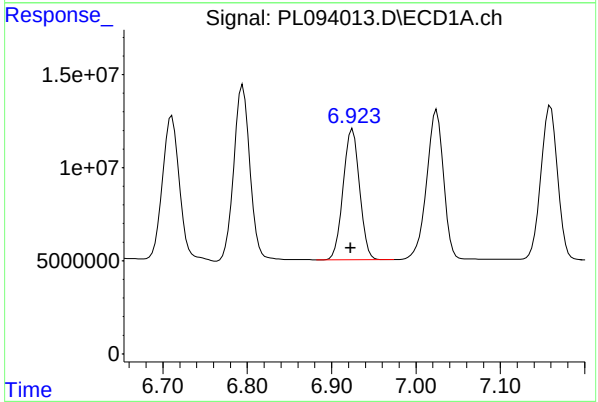


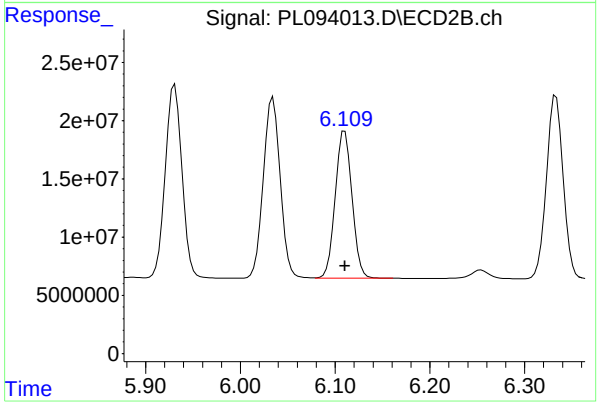
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 192208218
Conc: 59.07 ng/ml



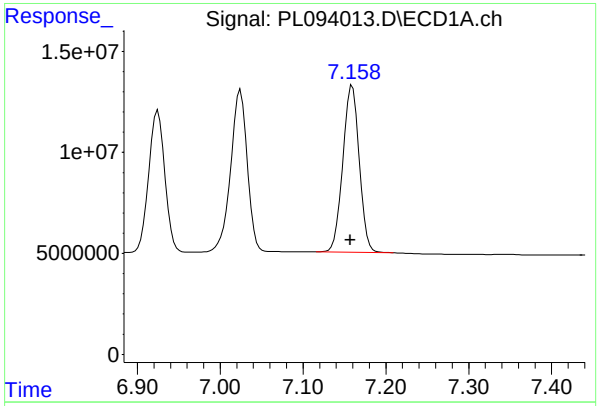
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 94982600
Conc: 48.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 155011115
Conc: 50.91 ng/ml



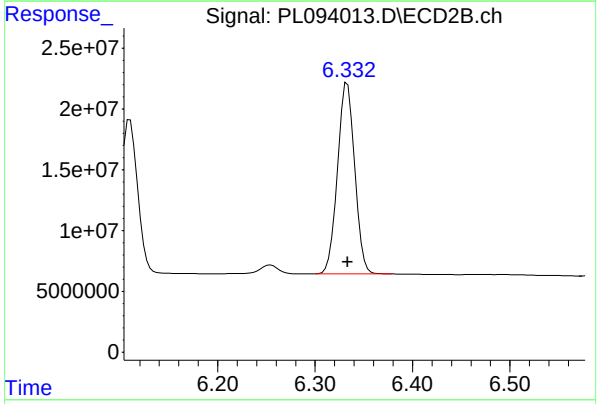
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 113964760
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

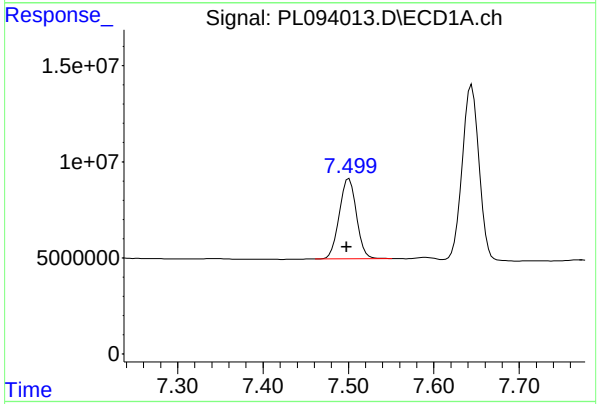
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



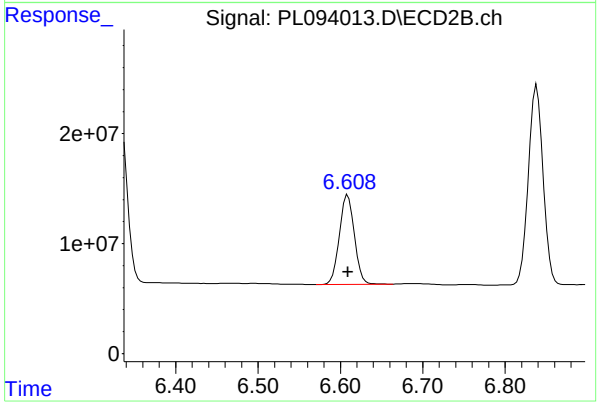
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 192985107
Conc: 54.12 ng/ml



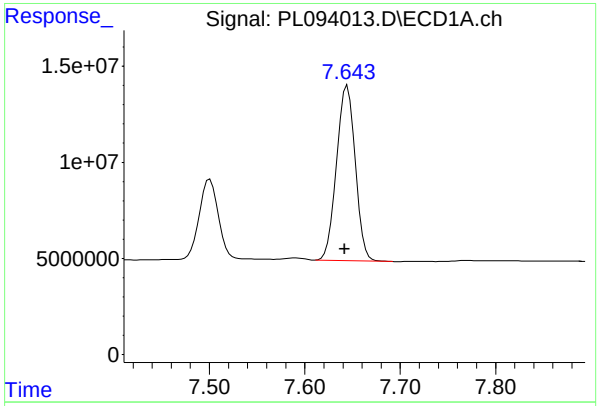
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.003 min
Response: 58283509
Conc: 55.86 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 103085357
Conc: 57.65 ng/ml



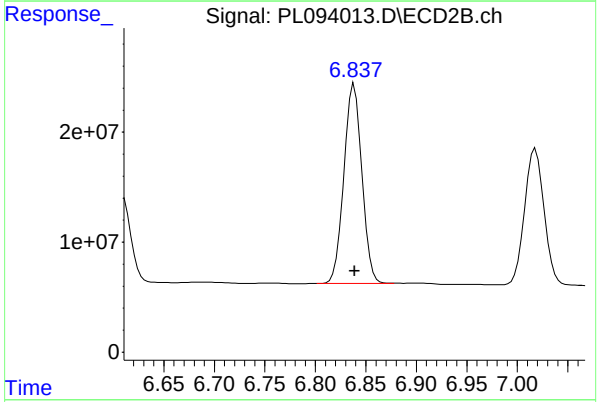
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.003 min
Response: 124488454
Conc: 49.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

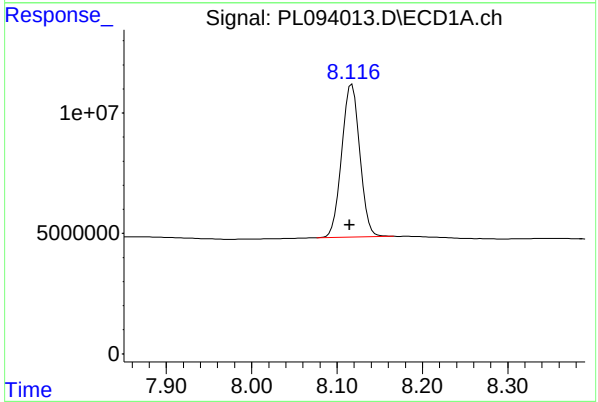
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



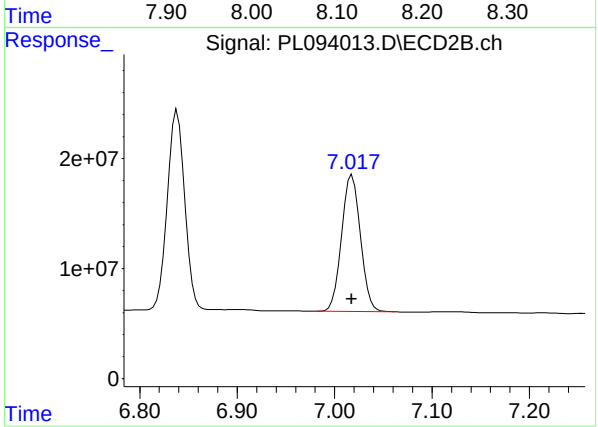
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 225128525
Conc: 53.66 ng/ml



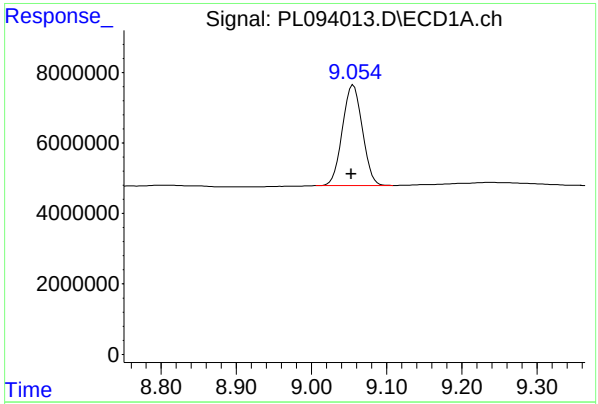
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 93754803
Conc: 45.02 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 166581771
Conc: 49.26 ng/ml



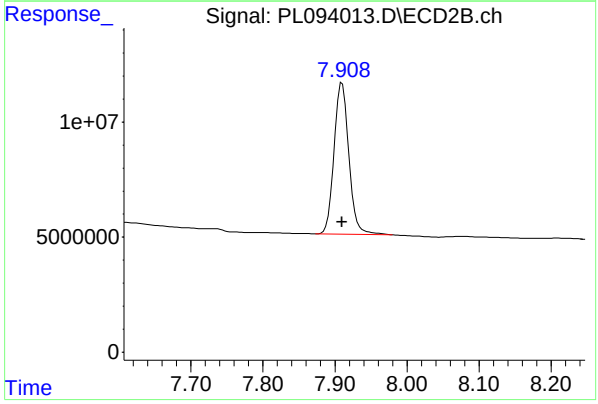
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 52717126
Conc: 25.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 93293086
Conc: 26.62 ng/ml

Raw Data: **PL094014.D**

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:	JPP-3.5-013025MSD	SDG No.:	Q1242
Lab Sample ID:	Q1241-04MSD	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
PL094014.D	1	02/03/25 09:36	02/03/25 20:42	PB166484

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.10		0.049	0.50	ug/L
76-44-8	Heptachlor	5.30		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.80		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	26.7		43 - 140	134%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		77 - 126	116%	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)

Sample Results: **PL094014.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:42
Operator : AR\AJ
Sample : Q1241-04MSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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 00:50:58 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	62325458	73024606	23.146	22.372
28)	SA	Decachlor...	9.055	7.910	52595184	93558983	25.142	26.700
		Target Compounds						
2)	A	alpha-BHC	3.994	3.276	194.3E6	251.0E6	50.673	51.334
3)	MA	gamma-BHC...	4.325	3.606	186.5E6	237.0E6	50.639m	49.981
4)	MA	Heptachlor	4.914	3.945	173.5E6	240.7E6	52.930	51.701
5)	MB	Aldrin	5.256	4.224	162.4E6	223.9E6	49.648	49.087
6)	B	beta-BHC	4.524	3.906	81880727	103.0E6	50.942	51.552
7)	B	delta-BHC	4.772	4.135	179.6E6	241.2E6	51.228	50.774
8)	B	Heptachlo...	5.683	4.726	148.0E6	214.7E6	49.762	51.351
9)	A	Endosulfan I	6.069	5.096	135.2E6	206.7E6	51.164	53.319
10)	B	gamma-Chl...	5.939	4.976	144.6E6	231.7E6	51.877	54.679
11)	B	alpha-Chl...	6.018	5.040	145.3E6	224.1E6	52.111	53.527
12)	B	4,4'-DDE	6.192	5.229	135.9E6	222.6E6	55.834	55.527
13)	MA	Dieldrin	6.344	5.361	143.0E6	228.2E6	51.506	53.122
14)	MA	Endrin	6.572	5.636	121.8E6	206.5E6	51.966m	55.927
15)	B	Endosulfa...	6.794	5.931	124.6E6	202.7E6	51.719	54.729
16)	A	4,4'-DDD	6.710	5.784	108.5E6	182.3E6	57.070	57.753
17)	MA	4,4'-DDT	7.023	6.034	111.9E6	193.3E6	56.765	59.406
18)	B	Endrin al...	6.924	6.110	94844306	155.7E6	48.787	51.147
19)	B	Endosulfa...	7.158	6.333	113.9E6	194.1E6	50.303	54.436
20)	A	Methoxychlor	7.499	6.609	58322404	103.7E6	55.897	57.969
21)	B	Endrin ke...	7.644	6.838	123.8E6	226.2E6	49.093	53.928
22)		Mirex	8.116	7.018	93785056	167.8E6	45.035	49.621

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

Sample Results: **PL094014.D**

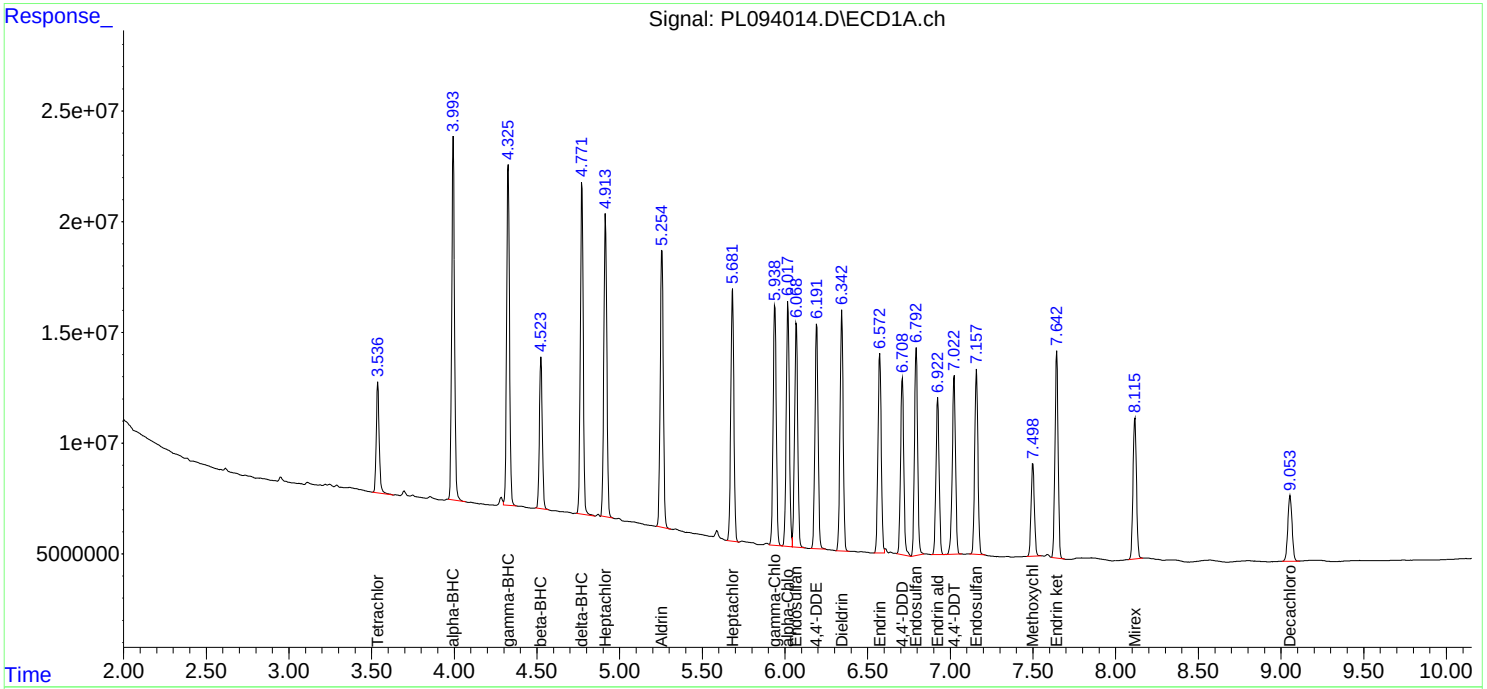
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL020325\
Data File : PL094014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:42
Operator : AR\AJ
Sample : Q1241-04MSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

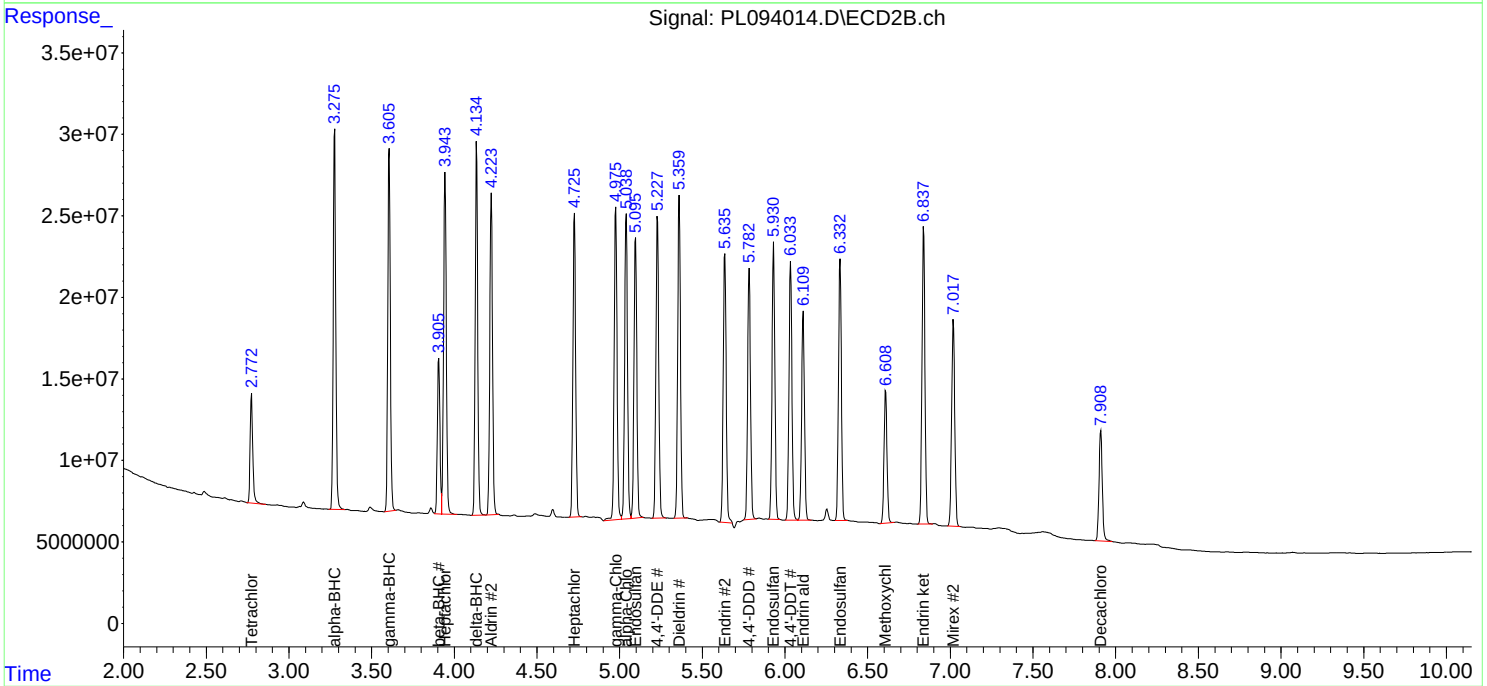
Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

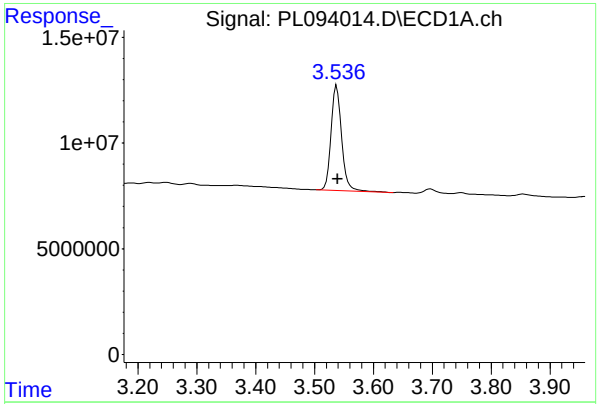
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 00:50:58 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: 62325458
Conc: 23.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
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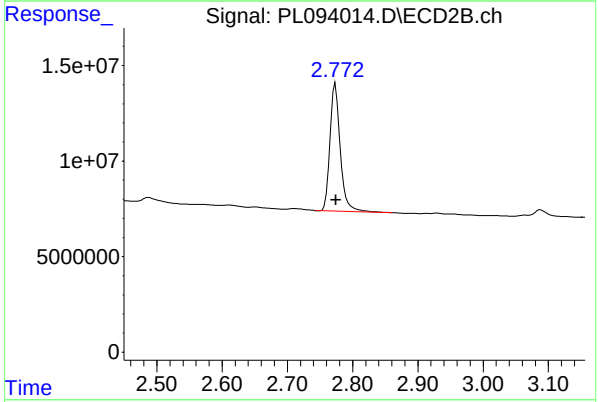
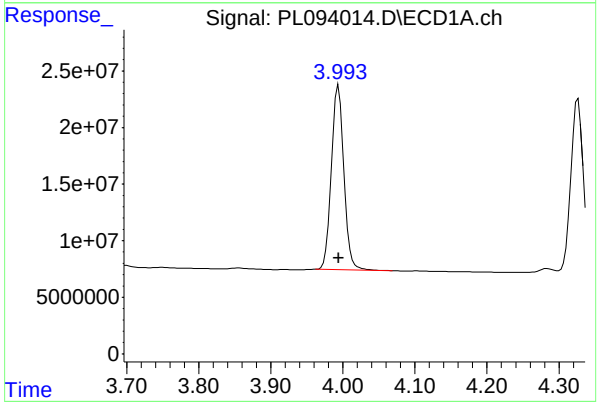


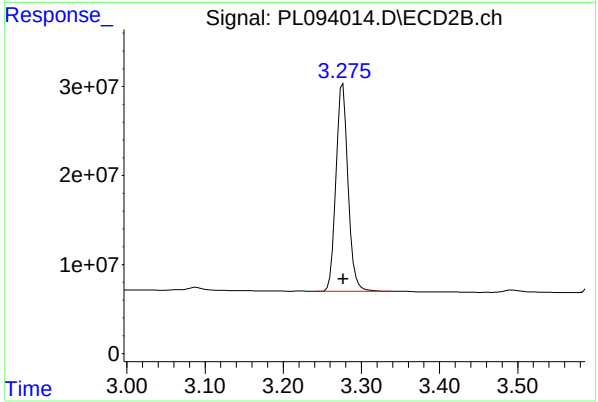
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 73024606
Conc: 22.37 ng/ml



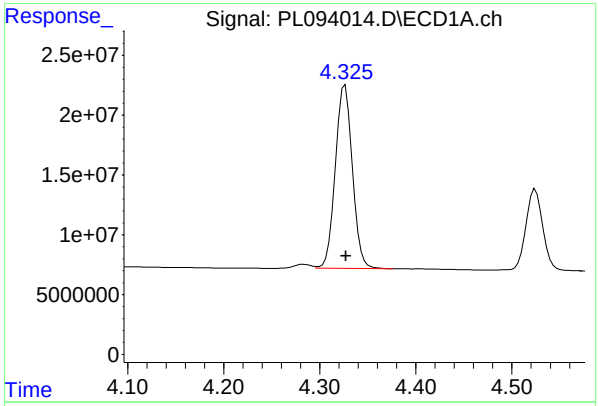
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 194270971
Conc: 50.67 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 250971466
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 186494848
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

Manual Integrations APPROVED

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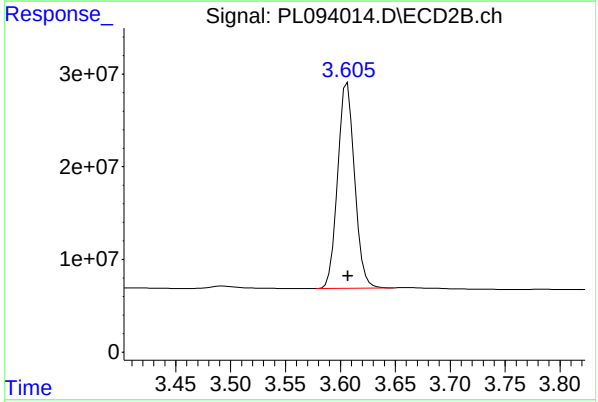
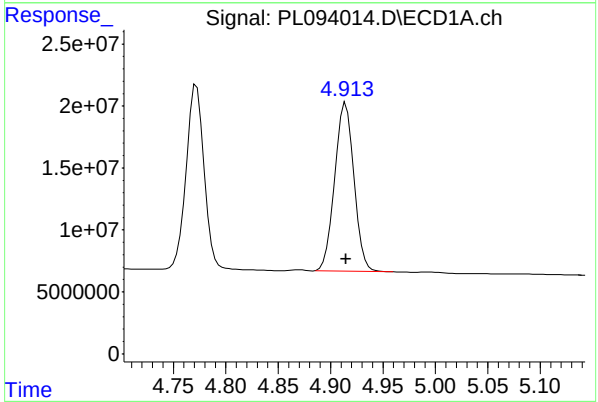


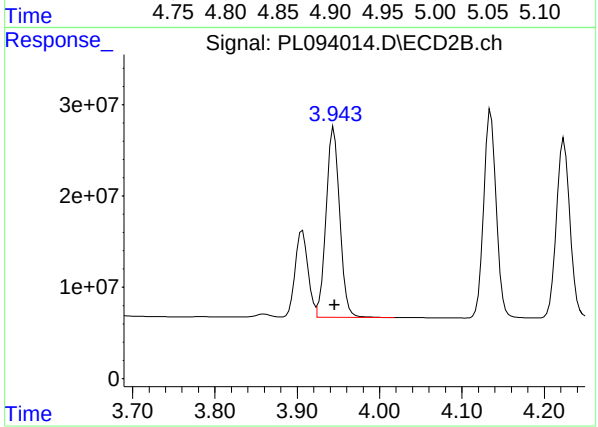
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 236972578
Conc: 49.98 ng/ml



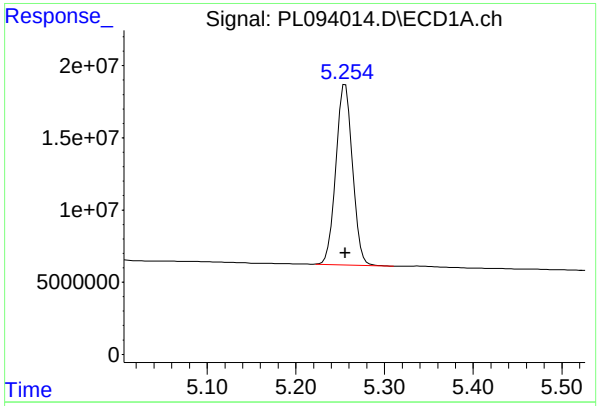
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 173469519
Conc: 52.93 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 240655522
Conc: 51.70 ng/ml



#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 162445035
Conc: 49.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/04/2025
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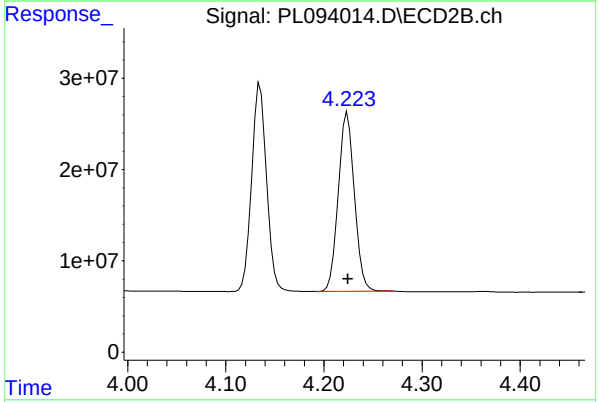
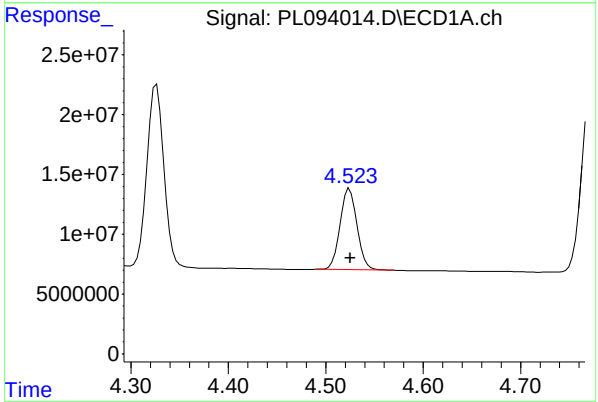


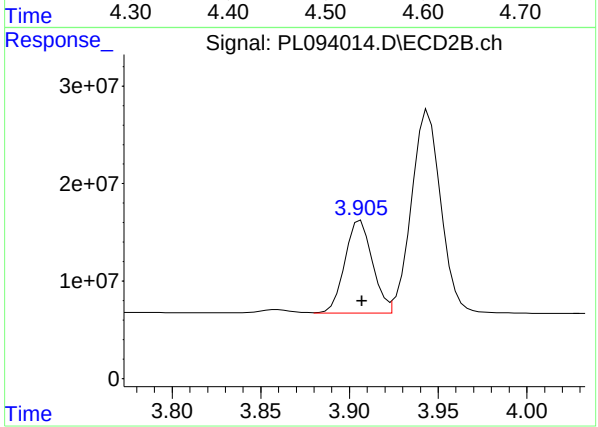
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 223923419
Conc: 49.09 ng/ml



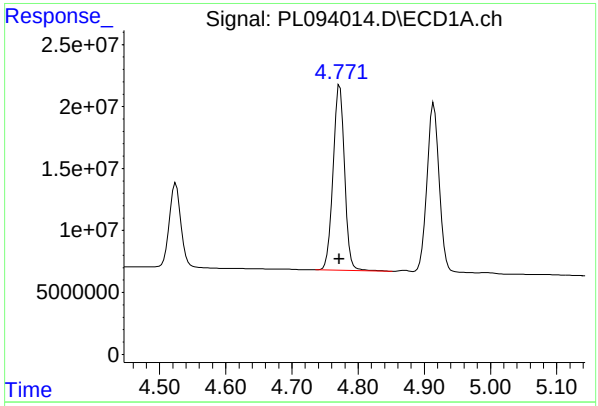
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 81880727
Conc: 50.94 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 102972790
Conc: 51.55 ng/ml



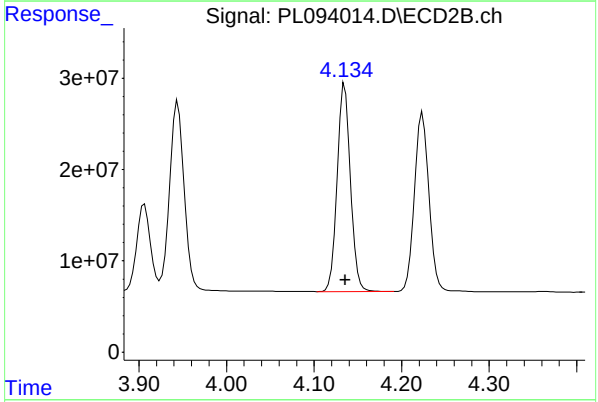
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 179570559
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

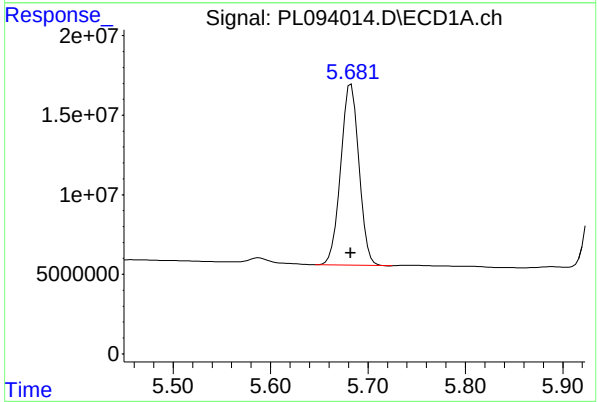
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



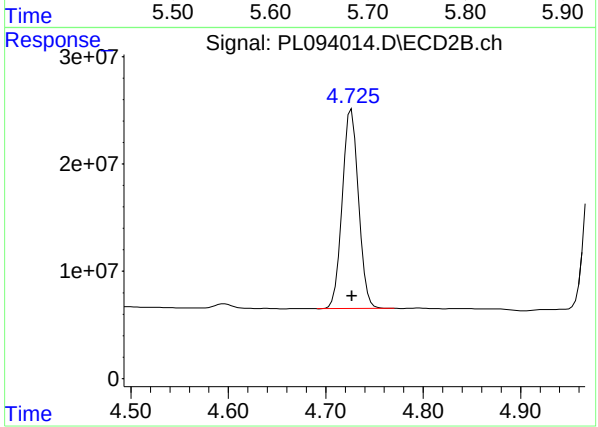
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 241237369
Conc: 50.77 ng/ml



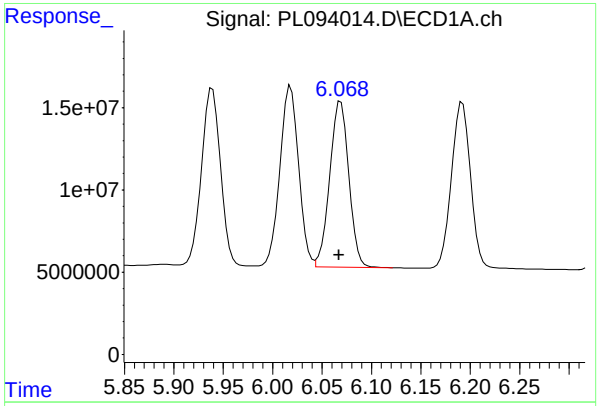
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 147983858
Conc: 49.76 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 214661310
Conc: 51.35 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 135219354
Conc: 51.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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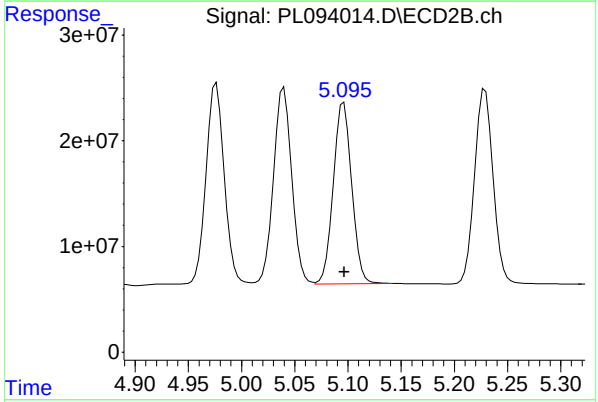
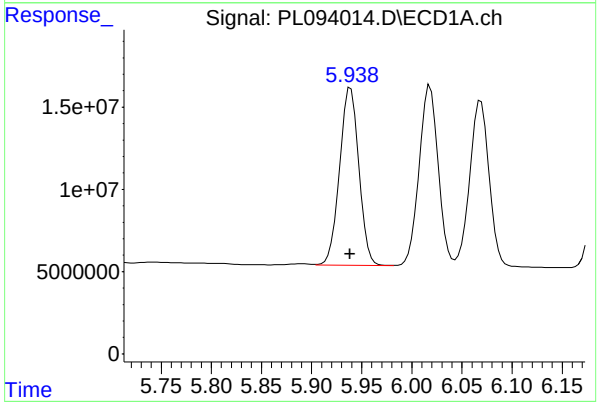
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



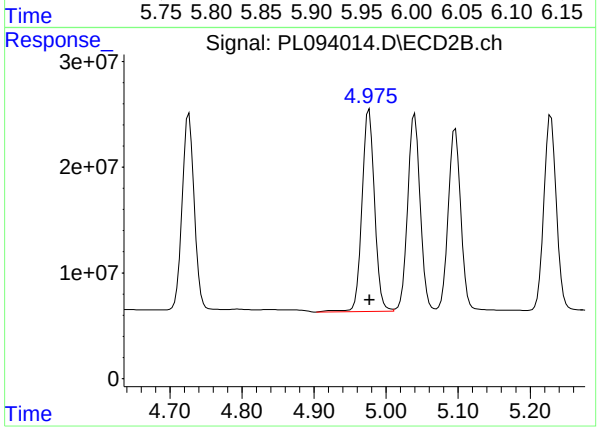
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 206711626
Conc: 53.32 ng/ml



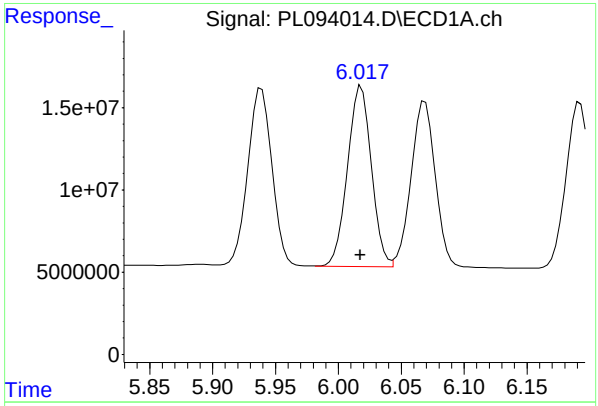
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 144601577
Conc: 51.88 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 231710990
Conc: 54.68 ng/ml



#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 145305629
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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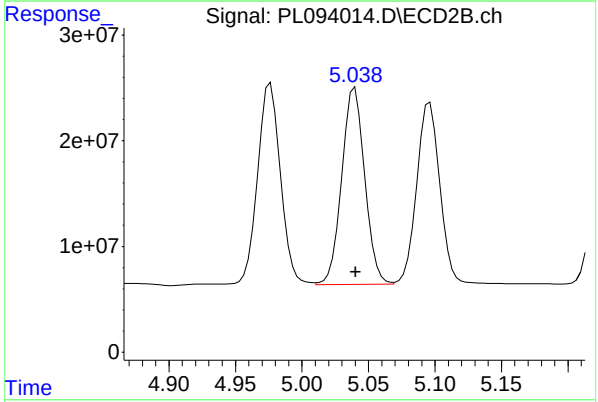
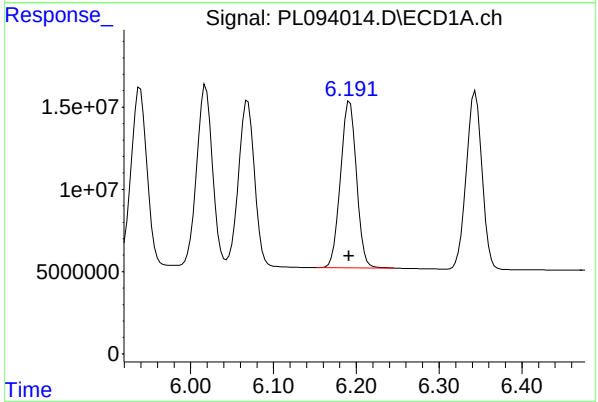
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



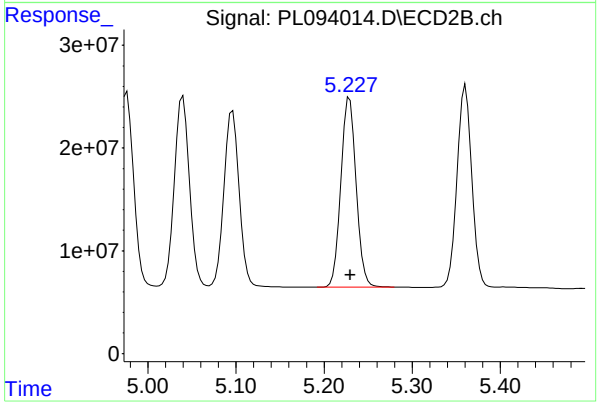
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 224094247
Conc: 53.53 ng/ml



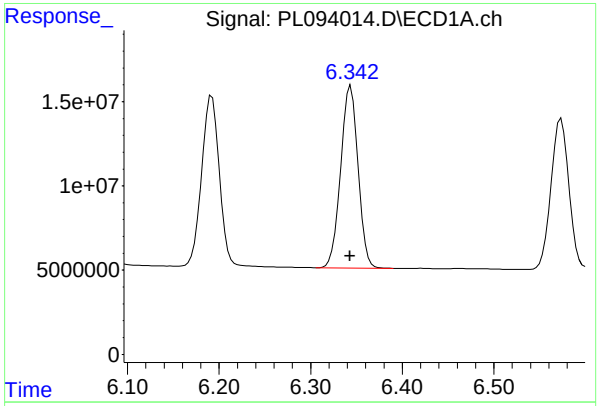
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 135932755
Conc: 55.83 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 222632510
Conc: 55.53 ng/ml



#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 mi
Response: 142973617
Conc: 51.51 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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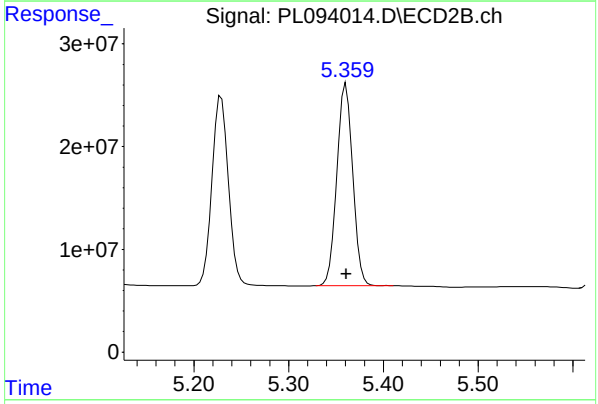
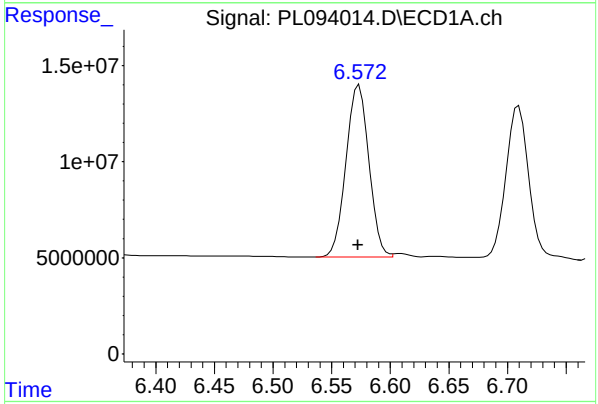
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



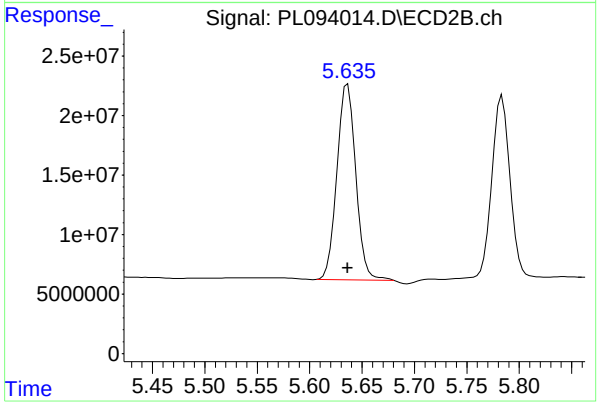
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 228193154
Conc: 53.12 ng/ml



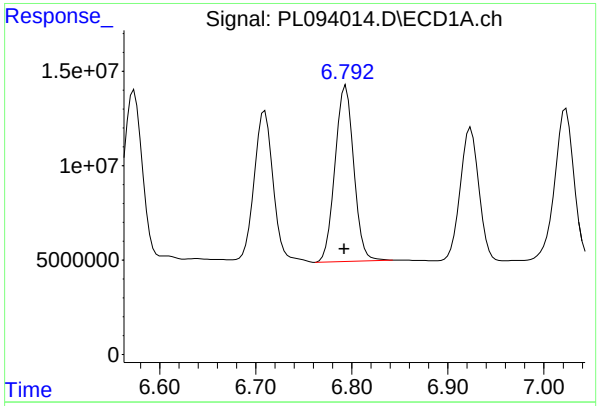
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 121849878
Conc: 51.97 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 206520958
Conc: 55.93 ng/ml



#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 mi
Response: 124609307
Conc: 51.72 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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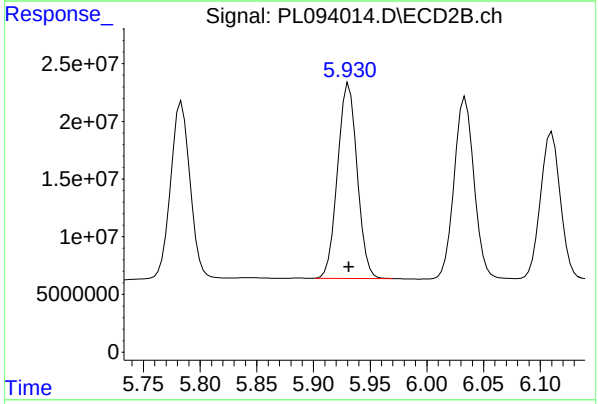
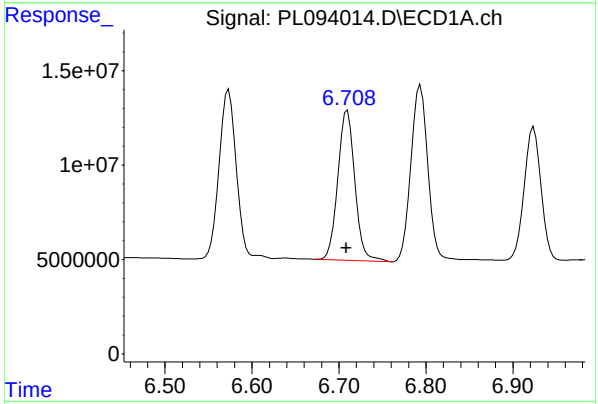


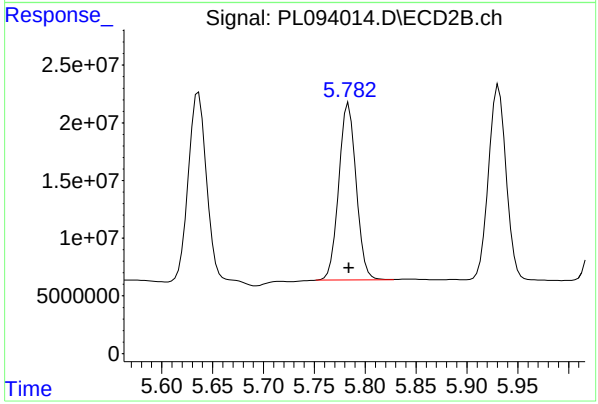
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 202706418
Conc: 54.73 ng/ml



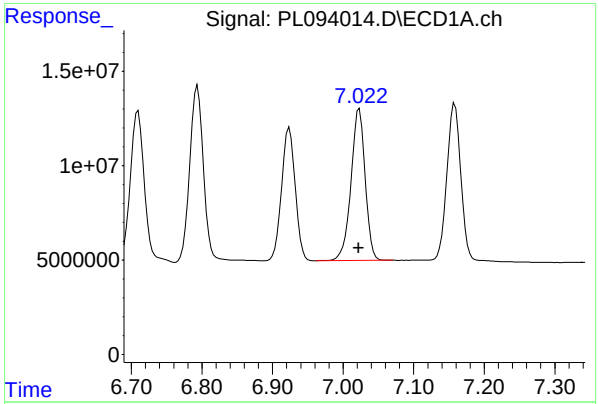
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.001 min
Response: 108465780
Conc: 57.07 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 182298451
Conc: 57.75 ng/ml



#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 111942858
Conc: 56.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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Reviewed By :Abdul Mirza 02/04/2025
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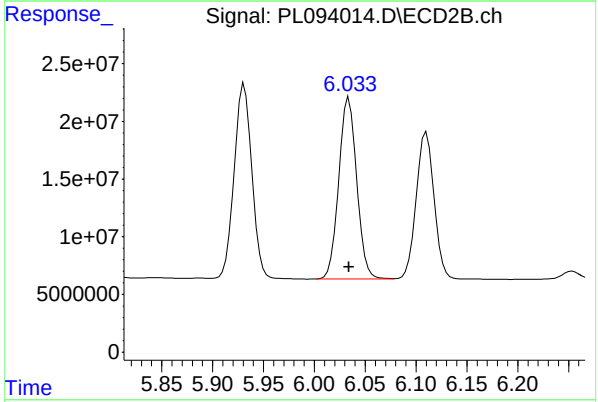
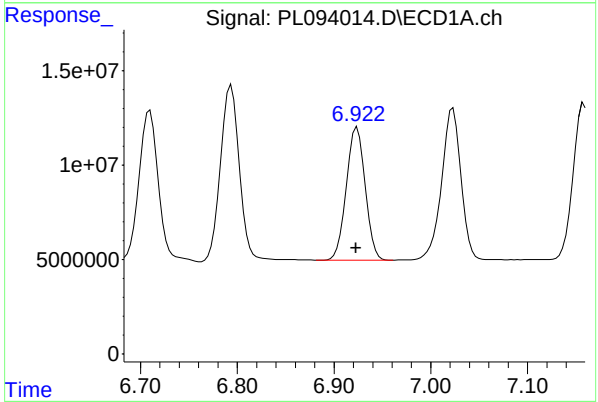


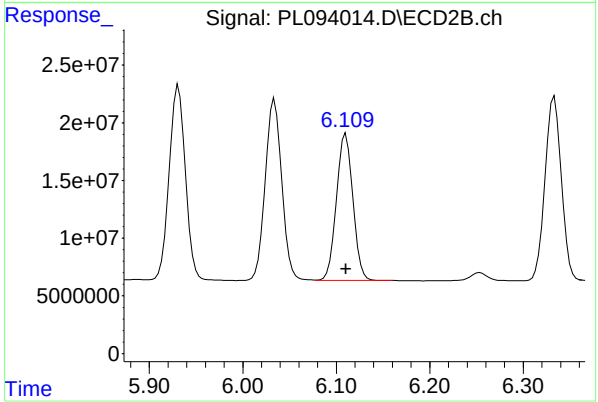
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 193308745
Conc: 59.41 ng/ml



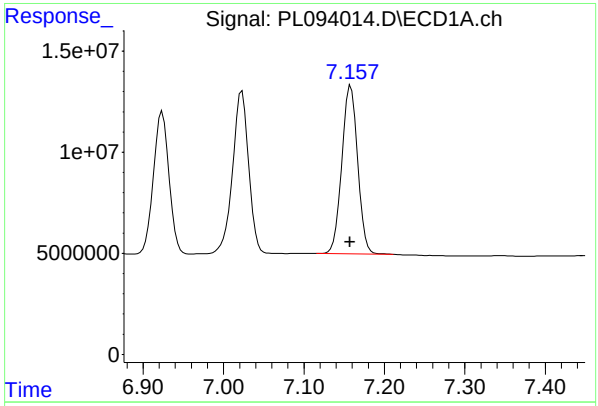
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 94844306
Conc: 48.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 155724878
Conc: 51.15 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.001 min
Response: 113872994
Conc: 50.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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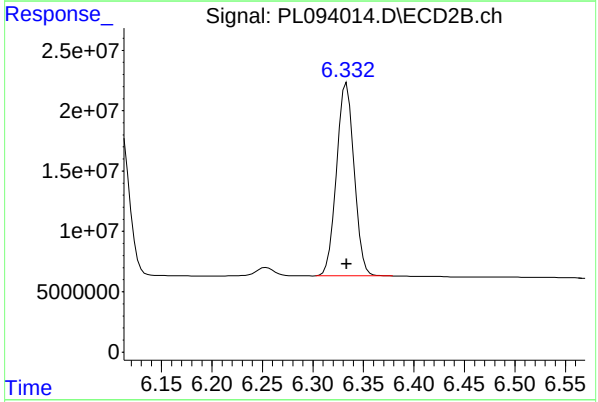
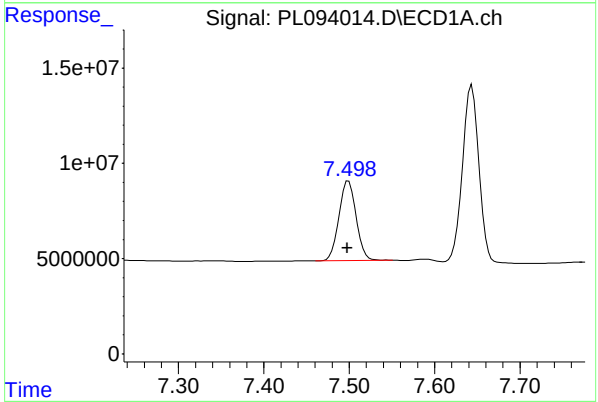


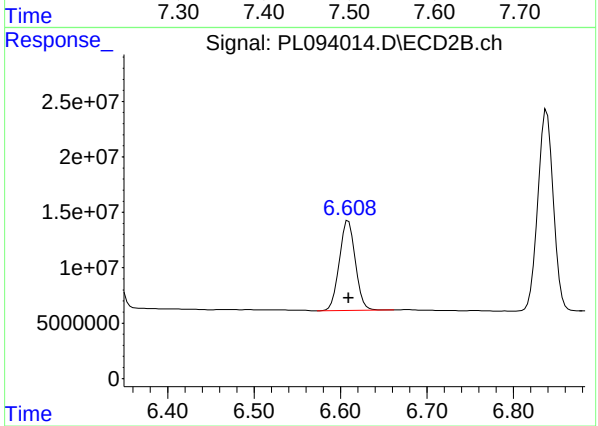
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 194122938
Conc: 54.44 ng/ml



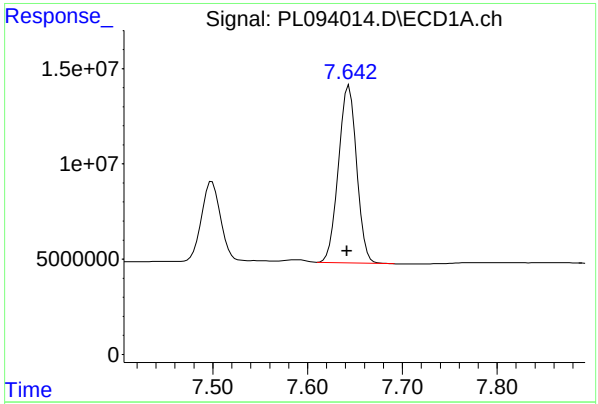
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 58322404
Conc: 55.90 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 103656033
Conc: 57.97 ng/ml



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 mi
Response: 123844604
Conc: 49.09 ng/m

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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Reviewed By :Abdul Mirza 02/04/2025
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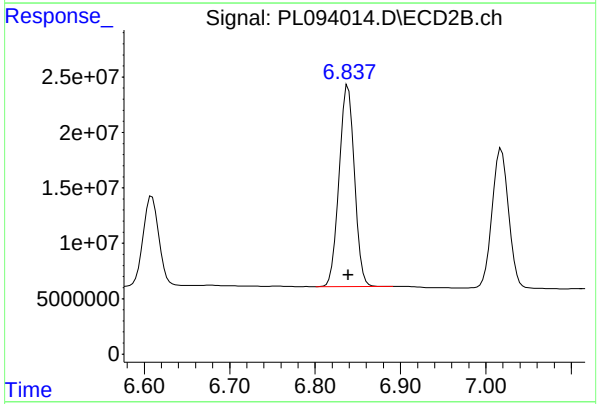
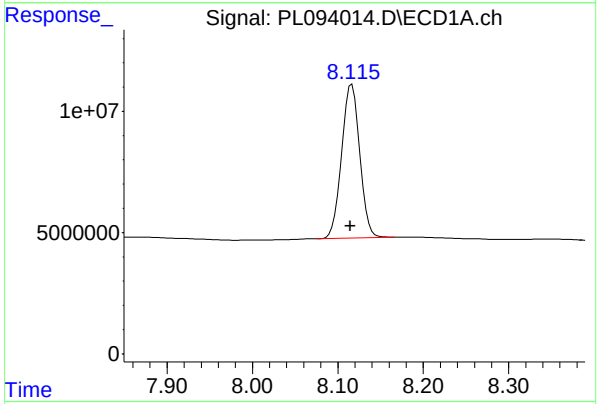


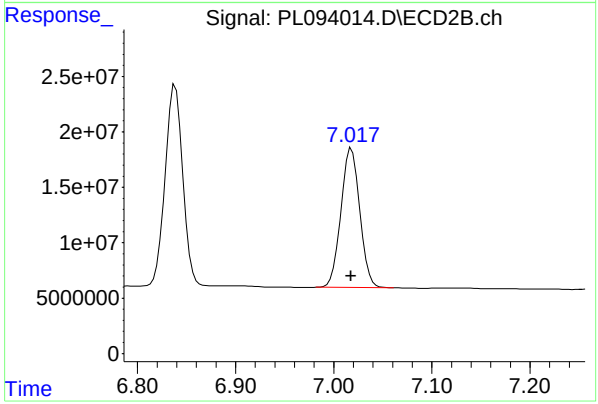
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 226242507
Conc: 53.93 ng/ml



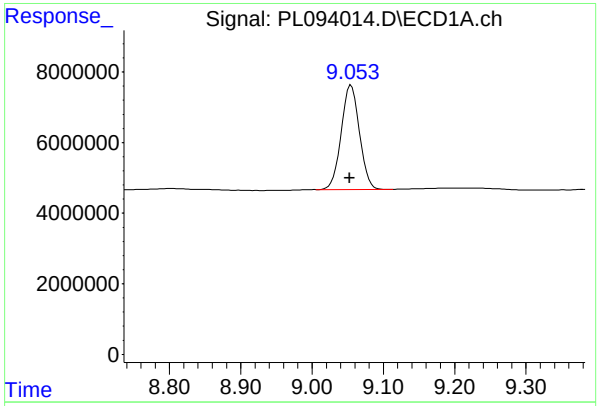
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.002 min
Response: 93785056
Conc: 45.04 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 167812054
Conc: 49.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 52595184
Conc: 25.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
JPP-3.5-013025MSD

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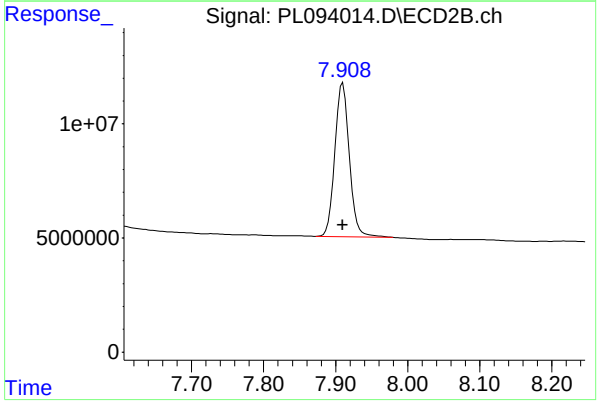
Reviewed By :Abdul Mirza 02/04/2025
Supervised By :Ankita Jodhani 02/04/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 93558983
Conc: 26.70 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:	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
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
PEM	PL094000.D	Endrin aldehyde	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 ketone	Abdul	2/4/2025 2:01:31 PM	Ankita	2/4/2025 3:36:02	Peak Integrated by Software
Q1241-04MS	PL094013.D	Endrin	Abdul	2/4/2025 2:01:44 PM	Ankita	2/4/2025 3:36:16	Peak Integrated by Software
Q1241-04MS	PL094013.D	gamma-BHC (Lindane)	Abdul	2/4/2025 2:01:44 PM	Ankita	2/4/2025 3:36:16	Peak Integrated by Software
Q1241-04MSD	PL094014.D	Endrin	Abdul	2/4/2025 2:01:48 PM	Ankita	2/4/2025 3:36:17	Peak Integrated by Software
Q1241-04MSD	PL094014.D	gamma-BHC (Lindane)	Abdul	2/4/2025 2:01:48 PM	Ankita	2/4/2025 3:36:17	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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Manual Integration Report

Sequence:	pl020425	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094037.D	4,4"-DDE	Abdul	2/5/2025 8:05:38 AM	Ankita	2/5/2025 9:14:43	Peak Integrated by Software
PEM	PL094037.D	Endrin	Abdul	2/5/2025 8:05:38 AM	Ankita	2/5/2025 9:14:43	Peak Integrated by Software
PSTDCCC050	PL094038.D	Endrin	Abdul	2/5/2025 8:05:43 AM	Ankita	2/5/2025 9:14:45	Peak Integrated by Software
PSTDCCC050	PL094038.D	gamma-Chlordane	Abdul	2/5/2025 8:05:43 AM	Ankita	2/5/2025 9:14:45	Peak Integrated by Software
PB166484BS	PL094042.D	Endrin	Abdul	2/5/2025 8:06:01 AM	Ankita	2/5/2025 9:15:18	Peak Integrated by Software
PB166484BS	PL094042.D	gamma-Chlordane	Abdul	2/5/2025 8:06:01 AM	Ankita	2/5/2025 9:15:18	Peak Integrated by Software
PB166484BS	PL094042.D	gamma-Chlordane #2	Abdul	2/5/2025 8:06:01 AM	Ankita	2/5/2025 9:15:18	Peak Integrated by Software
PSTDCCC050	PL094052.D	4,4"-DDE #2	Abdul	2/5/2025 8:06:46 AM	Ankita	2/5/2025 9:15:35	Peak Integrated by Software
PSTDCCC050	PL094052.D	Endrin	Abdul	2/5/2025 8:06:46 AM	Ankita	2/5/2025 9:15:35	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 # 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 # PL020425

Review By	Abdul	Review On	2/5/2025 8:07:06 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:15:56 AM		
SubDirectory	PL020425	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	PL094035.D	04 Feb 2025 08:34	AR\AJ	Ok
2	I.BLK	PL094036.D	04 Feb 2025 08:47	AR\AJ	Ok
3	PEM	PL094037.D	04 Feb 2025 09:00	AR\AJ	Ok,M
4	PSTDCCC050	PL094038.D	04 Feb 2025 09:14	AR\AJ	Ok,M
5	Q1262-01RE	PL094039.D	04 Feb 2025 09:34	AR\AJ	Confirms
6	Q1206-07	PL094040.D	04 Feb 2025 09:47	AR\AJ	Ok,M
7	PB166481BS	PL094041.D	04 Feb 2025 11:29	AR\AJ	Ok,M
8	PB166484BS	PL094042.D	04 Feb 2025 11:53	AR\AJ	Ok,M
9	PB166527BL	PL094043.D	04 Feb 2025 12:42	AR\AJ	Ok,M
10	PB166527BS	PL094044.D	04 Feb 2025 12:56	AR\AJ	Ok,M
11	Q1276-01	PL094045.D	04 Feb 2025 13:17	AR\AJ	Ok,M
12	Q1277-02	PL094046.D	04 Feb 2025 13:31	AR\AJ	Ok,M
13	Q1280-01	PL094047.D	04 Feb 2025 13:44	AR\AJ	Ok,M
14	Q1280-01MS	PL094048.D	04 Feb 2025 13:57	AR\AJ	Ok,M
15	Q1280-01MSD	PL094049.D	04 Feb 2025 14:11	AR\AJ	Ok,M
16	Q1281-01	PL094050.D	04 Feb 2025 14:24	AR\AJ	Ok,M
17	I.BLK	PL094051.D	04 Feb 2025 14:37	AR\AJ	Ok
18	PSTDCCC050	PL094052.D	04 Feb 2025 14:50	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	ICVPL012125	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125	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 # 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

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020425

Review By	Abdul	Review On	2/5/2025 8:07:06 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:15:56 AM		
SubDirectory	PL020425	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	PL094035.D	04 Feb 2025 08:34		AR\AJ	Ok
2	I.BLK	I.BLK	PL094036.D	04 Feb 2025 08:47		AR\AJ	Ok
3	PEM	PEM	PL094037.D	04 Feb 2025 09:00		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094038.D	04 Feb 2025 09:14		AR\AJ	Ok,M
5	Q1262-01RE	ETGI-371RE	PL094039.D	04 Feb 2025 09:34	DCB high in both column	AR\AJ	Confirms
6	Q1206-07	JPP-16.3-012725	PL094040.D	04 Feb 2025 09:47		AR\AJ	Ok,M
7	PB166481BS	PB166481BS	PL094041.D	04 Feb 2025 11:29		AR\AJ	Ok,M
8	PB166484BS	PB166484BS	PL094042.D	04 Feb 2025 11:53		AR\AJ	Ok,M
9	PB166527BL	PB166527BL	PL094043.D	04 Feb 2025 12:42		AR\AJ	Ok,M
10	PB166527BS	PB166527BS	PL094044.D	04 Feb 2025 12:56		AR\AJ	Ok,M
11	Q1276-01	TR-05-020325	PL094045.D	04 Feb 2025 13:17		AR\AJ	Ok,M
12	Q1277-02	RT 3249	PL094046.D	04 Feb 2025 13:31		AR\AJ	Ok,M
13	Q1280-01	72-11984	PL094047.D	04 Feb 2025 13:44		AR\AJ	Ok,M
14	Q1280-01MS	72-11984MS	PL094048.D	04 Feb 2025 13:57		AR\AJ	Ok,M
15	Q1280-01MSD	72-11984MSD	PL094049.D	04 Feb 2025 14:11	Comp#21 recovery fail	AR\AJ	Ok,M
16	Q1281-01	OR-02--2-03-2025	PL094050.D	04 Feb 2025 14:24		AR\AJ	Ok,M
17	I.BLK	I.BLK	PL094051.D	04 Feb 2025 14:37		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PL094052.D	04 Feb 2025 14:50		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL020425

Review By	Abdul	Review On	2/5/2025 8:07:06 AM		
Supervise By	Ankita	Supervise On	2/5/2025 9:15:56 AM		
SubDirectory	PL020425	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	

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB166423

SOP ID :	M1311-TCLP-15		
SDG No :	N/A	**Start Prep Date :**	01/31/2025 **Time :** 17:00
Weigh By :	JP	**End Prep Date :**	02/01/2025 **Time :** 11:15
Balance ID :	WC SC-7	**Combination Ratio :**	20
pH Meter ID :	WC PH METER-1	**ZHE Cleaning Batch :**	N/A
Extraction By :	JP	**Initial Room Temperature:**	23 °C
Filter By :	JP	**Final Room Temperature:**	22 °C
Pippete ID :	WC	**TCLP Technician Signature :**	JP
Tumbler ID :	T-1 / T-2	**Supervisor By :**	[signature]
TCLP Filter ID :	114771		

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 added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q1238-02 and 03 both samples we receive limited volume so no fluid determation. q1240-02 is oil sample so fluid determation % is <0.5. q1262-05 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/01/25 13:00	JP / TCLP Room	[signature] / Ext
	Preparation Group	**Analysis Group** [illegible]

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TCLP EXTRACTION LOGPAGE

PB166423

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
PB166423TB	LEB423	N/A	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1238-01	ABATEMENT-WASTE	01	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q1238-02	PERSONAL-PROTECT-EQUIPT	02	25.02	500	N/A	N/A	N/A	6.2	1.0	T-1
Q1238-03	PLASTIC-FROM-AREA	03	25.03	500	N/A	N/A	N/A	5.6	1.5	T-1
Q1239-02	286	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1239-05	348	05	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q1239-08	RBR22266	06	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q1239-11	357	07	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1240-02	MEG-OIL	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.5	N/A
Q1241-04	JPP-3.5-013025	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1241-08	JPP-5.3-013025	09	100.04	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1241-12	JPP-5.2-013025	10	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1241-16	JPP-5.4-013025	11	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1241-20	JPP-51.4-013025	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1242-04	JPP-6.2-013025	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1262-05	3762	14	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166423TB	LEB423	N/A	N/A	N/A	N/A	N/A	N/A
Q1238-01	ABATEMENT-WASTE	N/A	N/A	N/A	N/A	100	N/A
Q1238-02	PERSONAL-PROTECT-EQUIPT	N/A	N/A	N/A	N/A	100	N/A
Q1238-03	PLASTIC-FROM-AREA	N/A	N/A	N/A	N/A	100	N/A
Q1239-02	286	N/A	N/A	N/A	N/A	100	N/A
Q1239-05	348	N/A	N/A	N/A	N/A	100	N/A
Q1239-08	RBR22266	N/A	N/A	N/A	N/A	100	N/A
Q1239-11	357	N/A	N/A	N/A	N/A	100	N/A
Q1240-02	MEG-OIL	N/A	N/A	N/A	N/A	<0.5	N/A
Q1241-04	JPP-3.5-013025	N/A	N/A	N/A	N/A	100	N/A
Q1241-08	JPP-5.3-013025	N/A	N/A	N/A	N/A	100	N/A
Q1241-12	JPP-5.2-013025	N/A	N/A	N/A	N/A	100	N/A
Q1241-16	JPP-5.4-013025	N/A	N/A	N/A	N/A	100	N/A
Q1241-20	JPP-51.4-013025	N/A	N/A	N/A	N/A	100	N/A
Q1242-04	JPP-6.2-013025	N/A	N/A	N/A	N/A	100	N/A
Q1262-05	3762	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB166423

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
PB166423TB	LEB423	N/A	N/A	N/A	N/A	#1	4.93
Q1238-01	ABATEMENT-WASTE	5.02	96.5	11.5	4.0	#1	4.93
Q1238-02	PERSONAL-PROTECT-EQUIPT	N/A	N/A	N/A	N/A	N/A	N/A
Q1238-03	PLASTIC-FROM-AREA	N/A	N/A	N/A	N/A	N/A	N/A
Q1239-02	286	5.04	96.5	7.0	2.5	#1	4.93
Q1239-05	348	5.02	96.5	7.2	2.5	#1	4.93
Q1239-08	RBR22266	5.01	96.5	10.5	3.5	#1	4.93
Q1239-11	357	5.02	96.5	8.0	3.0	#1	4.93
Q1240-02	MEG-OIL	N/A	N/A	N/A	N/A	N/A	N/A
Q1241-04	JPP-3.5-013025	5.02	96.5	8.6	3.5	#1	4.93
Q1241-08	JPP-5.3-013025	5.03	96.5	11.0	4.0	#1	4.93
Q1241-12	JPP-5.2-013025	5.03	96.5	11.5	4.5	#1	4.93
Q1241-16	JPP-5.4-013025	5.04	96.5	10.0	4.0	#1	4.93
Q1241-20	JPP-51.4-013025	5.03	96.5	9.0	3.5	#1	4.93
Q1242-04	JPP-6.2-013025	5.02	96.5	11.5	4.5	#1	4.93
Q1262-05	3762	5.00	96.5	6.0	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1242 **WorkList ID :** 187349 **Department :** TCLP Extraction **Date :** 01-31-2025 10:26:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1238-01	ABATEMENT-WASTE	Solid	TCLP Extraction	Cool 4 deg C	TOTA02	N41	01/27/2025	1311
Q1238-02	PERSONAL-PROTECT-EQUIP'	Solid	TCLP Extraction	Cool 4 deg C	TOTA02	N41	01/27/2025	1311
Q1238-03	PLASTIC-FROM-AREA	Solid	TCLP Extraction	Cool 4 deg C	TOTA02	N41	01/27/2025	1311
Q1239-02	286	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	01/30/2025	1311
Q1239-05	348	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	01/30/2025	1311
Q1239-08	RBR22266	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	01/30/2025	1311
Q1239-11	357	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	01/30/2025	1311
Q1240-02	MEG-OIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/30/2025	1311
Q1241-04	JPP-3.5-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1241-08	JPP-5.3-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1241-12	JPP-5.2-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1241-16	JPP-5.4-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1241-20	JPP-51.4-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1242-04	JPP-6.2-013025	Solid	TCLP Extraction	Cool 4 deg C	RUTW01	E11	01/30/2025	1311
Q1262-05	3762	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N41	01/31/2025	1311

Date/Time 01/31/25 16:20
Raw Sample Received by: JB Col C
Raw Sample Relinquished by: RJ (Ext-lab)

Date/Time 01/31/25 18:30
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by: JB Col C

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EXTRACTION LOGPAGE

PB166484

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: Florisil

Matrix : Water

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 02/03/2025

Extraction Start Time : 09:36

Extraction End Date : 02/03/2025

Extraction End Time : 14:35

Concentration By: EH

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
Methylene Chloride	N/A	E3874
Baked Na2SO4	N/A	EP2580
Hexane	N/A	E3872
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
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

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/03/25	RP (Ext Lab)	R. Pest/PCB Lab
1647:40	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166484

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 02/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166423TB	PB166423TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-01
PB166484BL	PBLK484	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB166484BS	PLCS484	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q1241-04	JPP-3.5-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q1241-04MS	JPP-3.5-013025MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q1241-04MSD	JPP-3.5-013025MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q1241-08	JPP-5.3-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q1241-12	JPP-5.2-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q1241-16	JPP-5.4-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q1241-20	JPP-51.4-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q1242-04	JPP-6.2-013025	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11

* **Extracts relinguished on the same date as received.**

2/3/25

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166423

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
PB166423TB	LEB423	N/A	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1238-01	ABATEMENT-WASTE	01	100.02	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q1238-02	PERSONAL-PROTECT-EQUIPT	02	25.02	500	N/A	N/A	N/A	6.2	1.0	T-1
Q1238-03	PLASTIC-FROM-AREA	03	25.03	500	N/A	N/A	N/A	5.6	1.5	T-1
Q1239-02	286	04	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1239-05	348	05	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q1239-08	RBR22266	06	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q1239-11	357	07	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1240-02	MEG-OIL	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.5	N/A
Q1241-04	JPP-3.5-013025	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1241-08	JPP-5.3-013025	09	100.04	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1241-12	JPP-5.2-013025	10	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1241-16	JPP-5.4-013025	11	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1241-20	JPP-51.4-013025	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1242-04	JPP-6.2-013025	13	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1262-05	3762	14	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

02/01/25
13:00

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Prep Standard - Chemical Standard Summary

Order ID : Q1242

Test : TCLP Pesticide

Prepbatch ID : PB166484,

Sequence ID/Qc Batch ID: pl020325,pl020425,

Standard ID :
EP2580,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,P
P23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24091,PP24095,PP24123,

Chemical ID :
E3551,E3792,E3805,E3843,E3846,E3847,E3872,E3874,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13
353,P13359,P13402,

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Extractions STANDARD PREPARATION LOG

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

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

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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	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	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

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

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Pest/Pcb STANDARD PREPARATION LOG

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

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CHEMICAL RECEIPT LOG BOOK

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

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

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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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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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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

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.

Recd. by RB 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

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

Avantor Performance Materials LLC

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 1/29/25

E3872

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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 ↓ P 11896 (5)

06/17/2022

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

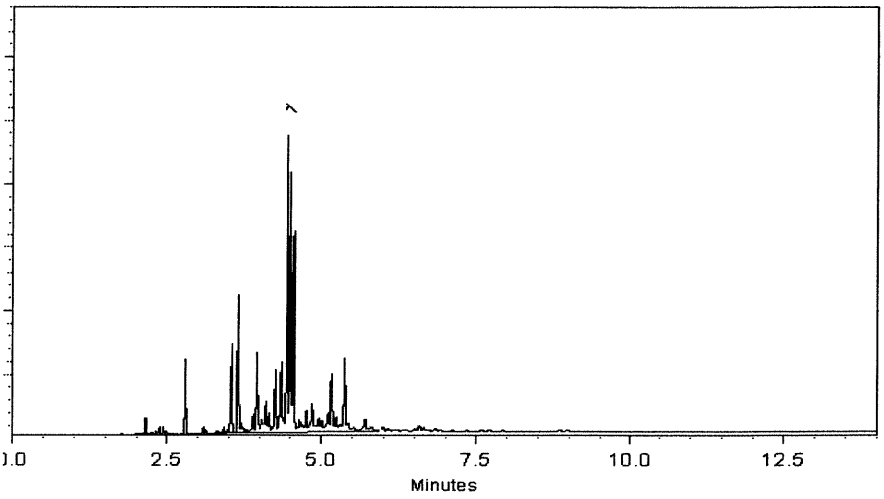
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11892 | (5)
↓
P 11896
1

06/17/2022

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130431

12.26.2023

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039 5
↓
P13043 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.)

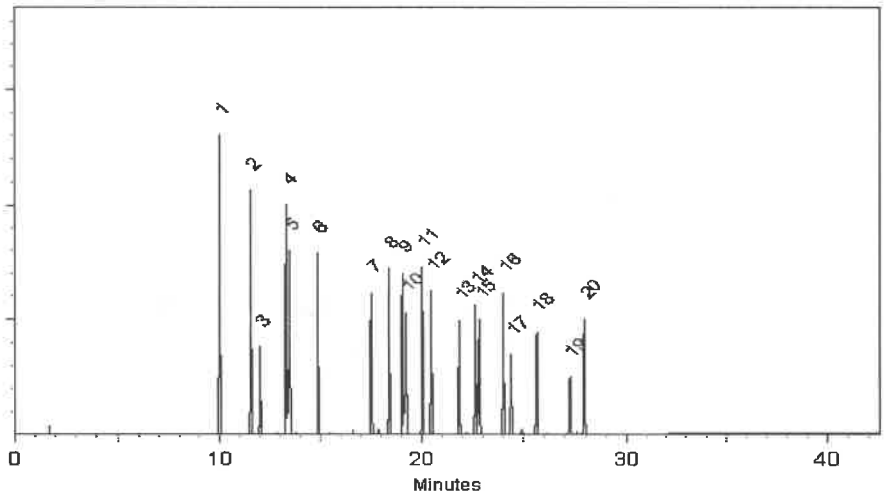
Inj. Temp:
200°C

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

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

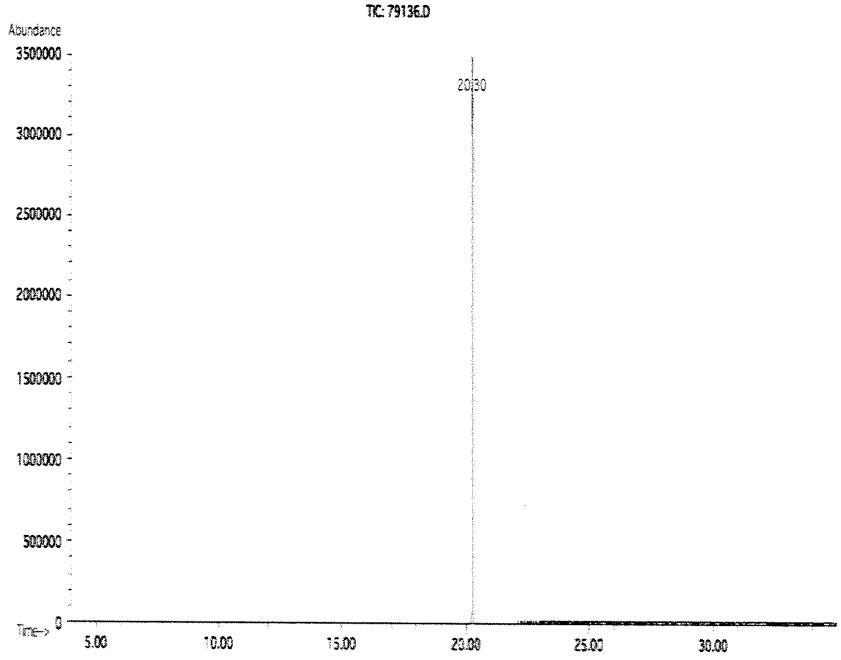
Solvent(s): **Lot#**
Acetone 81025

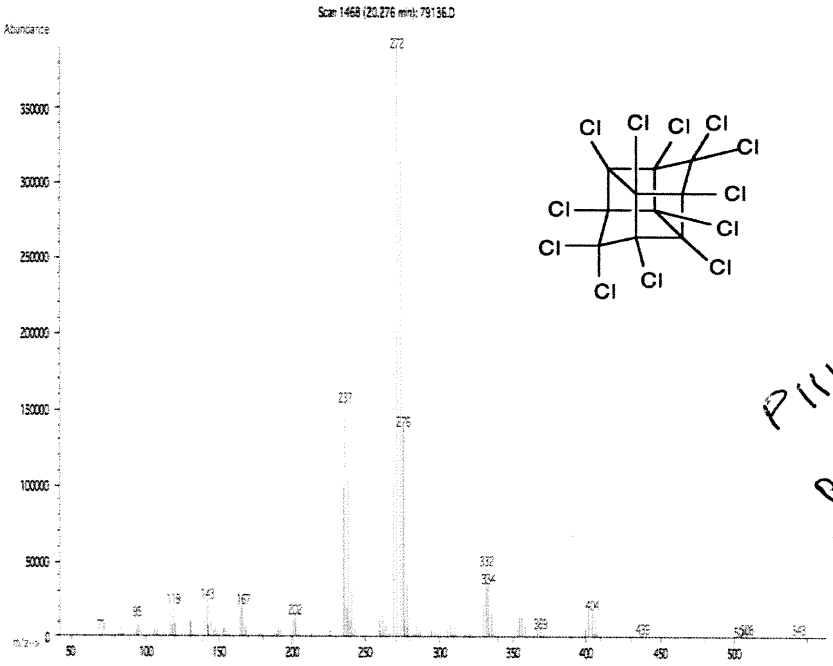
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 } 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.)

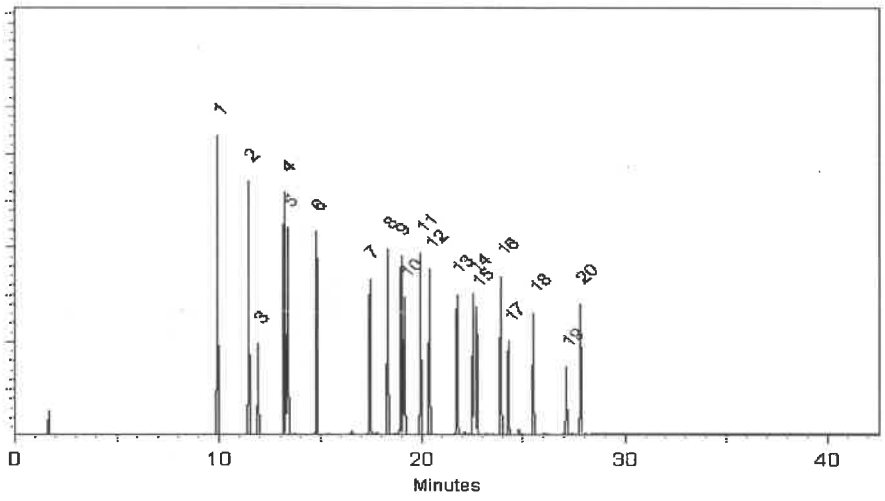
Inj. Temp:
200°C

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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 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 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 → P13357 (10)

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.)

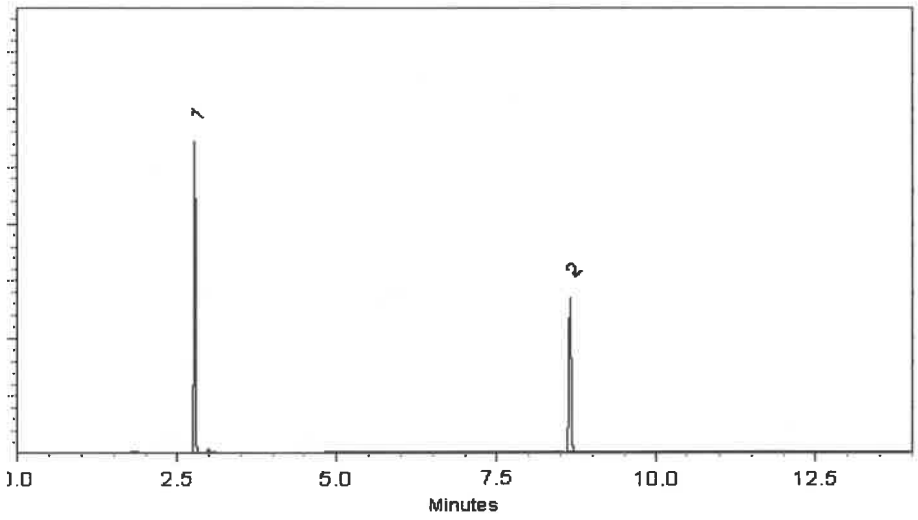
Inj. Temp:
250°C

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)

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P13357

04/25/2025

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110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 → P13357 (10)

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.)

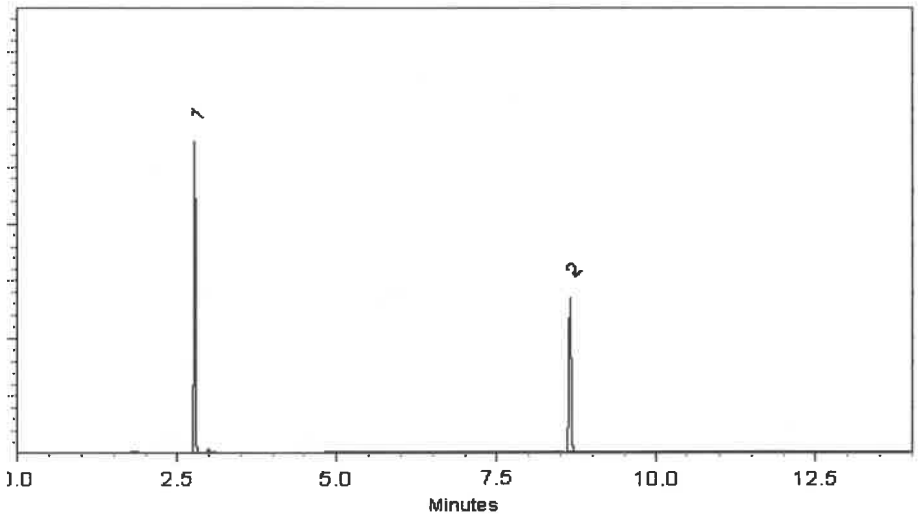
Inj. Temp:
250°C

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)

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P13357

04/25/2025

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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P13348 → P13357 (10)

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.)

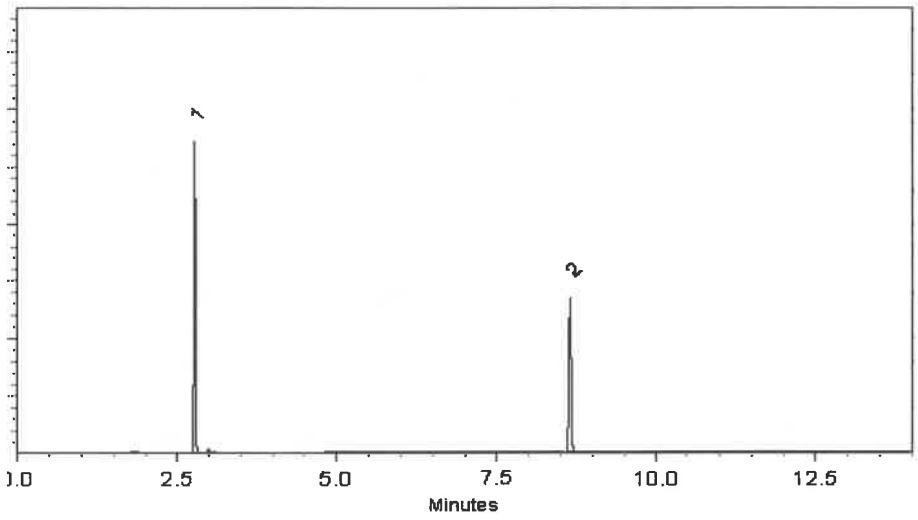
Inj. Temp:
250°C

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)

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P13357

04/25/2025

RESTEK

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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.)

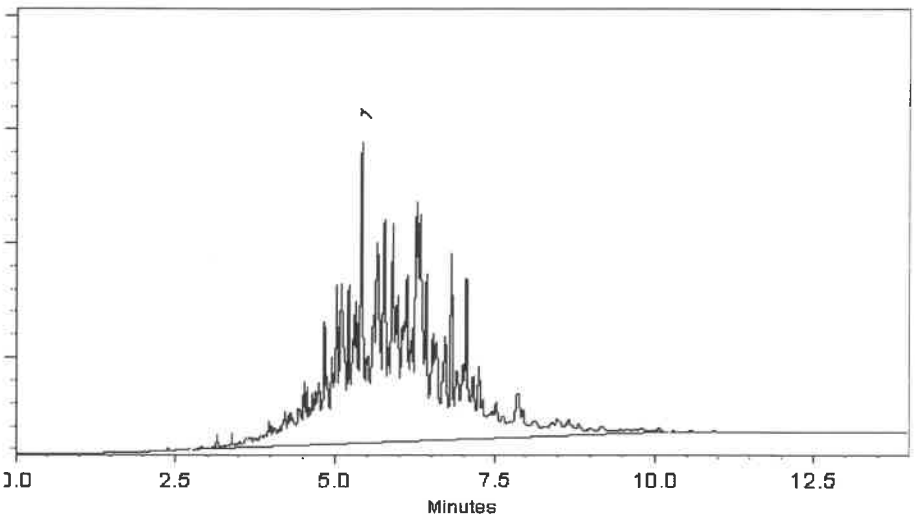
Inj. Temp:
250°C

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
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane

CAS # 110-54-3

Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

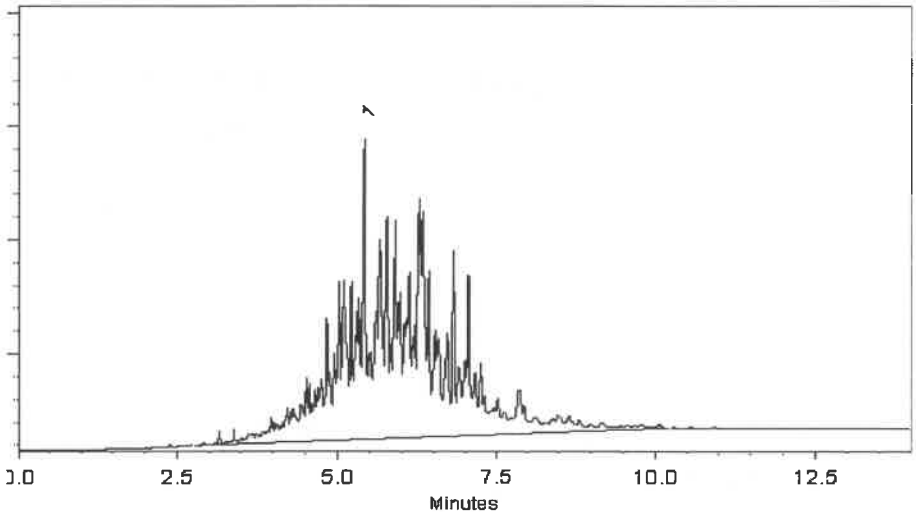
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402
↓
P13406
5

5/22/2024

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1242
QUOTE NO.
COC Number 2041688

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: SANDTWOBRB/MCR 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-6.2-013025	Soil		G	1/30/25	12:44	3	X	X	X							
2.	JPP-6.2-93025	Soil	C		1/30/25	12:52	8			X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1-30-25 1453	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
Comments: Preserve extra Sample Jar if additional analysis is Required
IR-Gun #1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1242 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 3:02:00 PM
Project Name : NYCDDC SANTWOBR Bi
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 1-30-25 15:50

Received By : [signature]
Date / Time : 1/30/25 1530

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1242 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 3:02:00 PM
Project Name : NYCDDC SANTWOBR Bi
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1242-01	JPP-6.2-013025	Solid	01/30/2025	12:44	Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : CR
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room