

Cover Page

Order ID : Q1502

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number

Q1502-01
Q1502-02
Q1502-03
Q1502-04
Q1502-05
Q1502-06
Q1502-07
Q1502-08
Q1502-09
Q1502-10
Q1502-11
Q1502-12
Q1502-13
Q1502-14
Q1502-15
Q1502-16
Q1502-17
Q1502-18
Q1502-19
Q1502-20
Q1502-21
Q1502-22

Client Sample Number

PT-VOA-WP
PT-VOA-WP
PT-BN-WP
PT-BN-WP
PT-BN-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-ACIDS-WP
PT-PEST-WP
PT-PEST-WP
PT-CHLR-WP
PT-CHLR-WP
PT-TXP-WP
PT-TXP-WP
PT-PCBW-WP
PT-PCBW-WP
PT-HERB-WP
RR-GAS-WP
RR-DIES-WP
RR-8011-WP
RR-PAH-WP
RR-TRIAZINE-WP

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: 4/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # Q1502

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

21 Water samples were received on 03/05/2025.

1 Water sample was received on 03/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of PESTICIDE Group1s was based on method 608.3,8081B and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PT-PEST-WP [Tetrachloro-m-xylene(1) - 131%], PT-PEST-WPDL [Tetrachloro-m-xylene(1) - 136%], AS per method one surrogate allowed to fail to meet the criteria per column; No further corrective action was taken while, sample PT-PEST-WPDL2 [Decachlorobiphenyl(1) - 149% and Tetrachloro-m-xylene(1) - 154%] was required dilution as well due to high concentration therefore sample was reanalyzed with dilution and reported.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .



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The Continuous Calibration met the requirements .

Samples PT-PEST-WP, PT-PEST-WPDL were diluted due to high concentrations.

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.

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1502

MATRIX: Water

METHOD: 608.3,8081B/3510

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.			✓
The Initial Calibration met the requirements .			
The Continuous Calibration met the requirements .			
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
The Surrogate recoveries met the acceptable criteria except for PT-PEST-WP [Tetrachloro-m-xylene(1) - 131%], PT-PEST-WPDL [Tetrachloro-m-xylene(1) - 136%],AS per method one surrogate allowed to fail to meet the criteria per column; No further corrective action was taken while, sample PT-PEST-WPDL2 [Decachlorobiphenyl(1) - 149% and Tetrachloro-m-xylene(1) - 154%]was required dilution as well due to high concentration therefore sample was reanalyzed with dilution and reported.			
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 Blank Spike met requirements for all samples .			
The Blank Spike Duplicate 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.

The Holding Times were met for all analysis.

ADDITIONAL COMMENTS:

Samples PT-PEST-WP, PT-PEST-WPDL were diluted due to high concentrations.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1502

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 Custody

✓

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: PATEL VAISHALI

Date: 04/09/2025

LAB CHRONICLE

OrderID:	Q1502	OrderDate:	3/6/2025 10:04:07 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1502-09	PT-PEST-WP	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/11/25	03/05/25
Q1502-09DL	PT-PEST-WPDL	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-09DL 2	PT-PEST-WPDL2	WATER	PESTICIDE Group1	8081B	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-15	PT-PCBW-WP	WATER	PCB	8082A	03/03/25	03/11/25	03/12/25	03/05/25
Q1502-18	RR-GAS-WP	Water	Gasoline Range Organics	8015D	03/03/25		03/11/25	03/05/25
			Gasoline Range Organics	8015D			03/13/25	
Q1502-19	RR-DIES-WP	Water	Diesel Range Organics	8015D	03/03/25	03/12/25	03/12/25	03/05/25
Q1502-20	RR-8011-WP	WATER	VOCGC Group 1	8011	03/03/25	03/12/25	03/12/25	03/05/25
Q1502-20DL	RR-8011-WPDL	WATER	VOCGC Group 1	8011	03/03/25	03/12/25	03/12/25	03/05/25

Hit Summary Sheet
SW-846

SDG No.: Q1502

Order ID: Q1502

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-PEST-WP							
Q1502-09	PT-PEST-WP	WATER alpha-BHC	5.50	E	0.0039	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER beta-BHC	4.80	E	0.0049	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER delta-BHC	14.1	E	0.011	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER gamma-BHC (Lindane)	5.00	E	0.0037	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Heptachlor	3.90	E	0.0027	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Aldrin	8.90	E	0.0036	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Heptachlor epoxide	8.20	E	0.0096	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endosulfan I	13.3	E	0.0031	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Dieldrin	8.70	E	0.0036	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER 4,4-DDE	6.40	E	0.0037	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endrin	14.2	E	0.0032	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endosulfan II	6.10	E	0.0079	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER 4,4-DDD	9.80	E	0.0071	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endosulfan Sulfate	8.70	E	0.0037	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER 4,4-DDT	5.80	E	0.0035	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Methoxychlor	7.30	E	0.011	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endrin ketone	14.8	E	0.0093	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER Endrin aldehyde	14.5	E	0.011	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER alpha-Chlordane	3.10	E	0.0035	0.050	ug/L
Q1502-09	PT-PEST-WP	WATER gamma-Chlordane	1.70	E	0.0039	0.050	ug/L

Total Concentration: 164.800

Client ID : PT-PEST-WPDL

Q1502-09DL	PT-PEST-WPDL	WATER alpha-BHC	5.60	ED	0.0078	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER beta-BHC	4.90	ED	0.0098	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER delta-BHC	15.1	ED	0.022	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER gamma-BHC (Lindane)	5.10	ED	0.0074	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Heptachlor	4.00	ED	0.0054	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Aldrin	9.50	ED	0.0072	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Heptachlor epoxide	9.00	ED	0.019	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Endosulfan I	14.8	ED	0.0062	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Dieldrin	9.40	ED	0.0072	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER 4,4-DDE	6.60	ED	0.0074	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Endrin	15.0	ED	0.0064	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Endosulfan II	6.50	ED	0.016	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER 4,4-DDD	10.1	ED	0.014	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Endosulfan Sulfate	9.50	ED	0.0074	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER 4,4-DDT	5.80	ED	0.0070	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Methoxychlor	7.90	ED	0.022	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER Endrin ketone	15.2	ED	0.019	0.10	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q1502

Order ID: Q1502

Client: Alliance Technical Group, LLC - Newark

Project ID: NJ Waste Water PT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Q1502-09DL	PT-PEST-WPDL	WATER Endrin aldehyde	15.6	ED	0.022	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER alpha-Chlordane	3.20	ED	0.0070	0.10	ug/L
Q1502-09DL	PT-PEST-WPDL	WATER gamma-Chlordane	1.70	D	0.0078	0.10	ug/L
Total Concentration:			174.500				

Client ID : PT-PEST-WPDL2

Q1502-09DL2	PT-PEST-WPDL2	WATER alpha-BHC	5.40	D	0.078	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER beta-BHC	5.30	D	0.098	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER delta-BHC	15.9	D	0.22	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER gamma-BHC (Lindane)	5.00	D	0.074	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Heptachlor	4.10	D	0.054	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Aldrin	10.1	D	0.072	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Heptachlor epoxide	10.2	D	0.19	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endosulfan I	17.6	D	0.062	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Dieldrin	10.2	D	0.072	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER 4,4-DDE	6.90	D	0.074	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endrin	17.9	D	0.064	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endosulfan II	7.20	D	0.16	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER 4,4-DDD	10.5	D	0.14	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endosulfan Sulfate	10.9	D	0.074	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER 4,4-DDT	5.50	D	0.070	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Methoxychlor	9.10	D	0.22	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endrin ketone	19.3	D	0.19	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER Endrin aldehyde	18.9	D	0.22	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER alpha-Chlordane	3.30	D	0.070	1.00	ug/L
Q1502-09DL2	PT-PEST-WPDL2	WATER gamma-Chlordane	1.90	D	0.078	1.00	ug/L
Total Concentration:			195.200				



QC SUMMARY

Surrogate Summary

SDG No.: **Q1502**

Client: **Alliance Technical Group, LLC - Newark**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	20.6	103		77	126
		Decachlorobiphenyl	2	20	21.0	105		43	140
		Tetrachloro-m-xylene	2	20	20.2	101		77	126
I.BLK-PL094587.D	PIBLK-PL094587.D	Decachlorobiphenyl	1	20	24.4	122		43	140
		Tetrachloro-m-xylene	1	20	20.3	102		77	126
		Decachlorobiphenyl	2	20	23.2	116		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126
PB167076BL	PB167076BL	Decachlorobiphenyl	1	20	24.5	123		43	140
		Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	23.5	117		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
PB167076BS	PB167076BS	Decachlorobiphenyl	1	20	22.8	114		43	140
		Tetrachloro-m-xylene	1	20	19.3	97		77	126
		Decachlorobiphenyl	2	20	22.4	112		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
PB167076BSD	PB167076BSD	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	18.1	90		77	126
		Decachlorobiphenyl	2	20	22.1	111		43	140
		Tetrachloro-m-xylene	2	20	18.0	90		77	126
Q1502-09	PT-PEST-WP	Decachlorobiphenyl	1	20	24.9	125		43	140
		Tetrachloro-m-xylene	1	20	26.2	131	*	77	126
		Decachlorobiphenyl	2	20	24.8	124		43	140
		Tetrachloro-m-xylene	2	20	21.1	106		77	126
I.BLK-PL094597.D	PIBLK-PL094597.D	Decachlorobiphenyl	1	20	24.0	120		43	140
		Tetrachloro-m-xylene	1	20	21.1	106		77	126
		Decachlorobiphenyl	2	20	23.6	118		43	140
		Tetrachloro-m-xylene	2	20	20.5	102		77	126
I.BLK-PL094628.D	PIBLK-PL094628.D	Decachlorobiphenyl	1	20	23.9	120		43	140
		Tetrachloro-m-xylene	1	20	21.2	106		77	126
		Decachlorobiphenyl	2	20	22.9	115		43	140
		Tetrachloro-m-xylene	2	20	20.9	105		77	126
Q1502-09DL	PT-PEST-WPDL	Decachlorobiphenyl	1	20	26.1	130		43	140
		Tetrachloro-m-xylene	1	20	27.1	136	*	77	126
		Decachlorobiphenyl	2	20	24.9	125		43	140
		Tetrachloro-m-xylene	2	20	22.1	111		77	126
Q1502-09DL2	PT-PEST-WPDL2	Decachlorobiphenyl	1	20	29.8	149	*	43	140
		Tetrachloro-m-xylene	1	20	30.8	154	*	77	126
		Decachlorobiphenyl	2	20	27.6	138		43	140
		Tetrachloro-m-xylene	2	20	23.4	117		77	126
I.BLK-PL094639.D	PIBLK-PL094639.D	Decachlorobiphenyl	1	20	24.1	121		43	140

Surrogate Summary

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094639.D	PIBLK-PL094639.D	Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	23.8	119		43	140
		Tetrachloro-m-xylene	2	20	21.0	105		77	126

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newar

Analytical Method: **8081B** Datafile : PL094591.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167076BS	alpha-BHC	0.5	0.45	ug/L	91				85	130	
	beta-BHC	0.5	0.46	ug/L	93				83	126	
	delta-BHC	0.5	0.47	ug/L	95				69	141	
	gamma-BHC (Lindane)	0.5	0.46	ug/L	91				82	129	
	Heptachlor	0.5	0.47	ug/L	93				79	127	
	Aldrin	0.5	0.47	ug/L	93				79	126	
	Heptachlor epoxide	0.5	0.48	ug/L	96				81	124	
	Endosulfan I	0.5	0.48	ug/L	96				85	122	
	Dieldrin	0.5	0.48	ug/L	96				83	125	
	4,4'-DDE	0.5	0.48	ug/L	96				80	127	
	Endrin	0.5	0.48	ug/L	96				81	128	
	Endosulfan II	0.5	0.49	ug/L	97				82	123	
	4,4'-DDD	0.5	0.49	ug/L	98				77	131	
	Endosulfan sulfate	0.5	0.50	ug/L	100				76	129	
	4,4'-DDT	0.5	0.49	ug/L	98				80	133	
	Methoxychlor	0.5	0.49	ug/L	99				78	108	
	Endrin ketone	0.5	0.51	ug/L	102				80	131	
	Endrin aldehyde	0.5	0.48	ug/L	97				82	127	
	alpha-Chlordane	0.5	0.47	ug/L	95				82	125	
	gamma-Chlordane	0.5	0.47	ug/L	95				82	125	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newar

Analytical Method: **8081B** Datafile : PL094592.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167076BSD	alpha-BHC	0.5	0.43	ug/L	87	4			85	130	20
	beta-BHC	0.5	0.45	ug/L	89	4			83	126	20
	delta-BHC	0.5	0.46	ug/L	92	3			69	141	20
	gamma-BHC (Lindane)	0.5	0.43	ug/L	87	4			82	129	20
	Heptachlor	0.5	0.45	ug/L	90	3			79	127	20
	Aldrin	0.5	0.44	ug/L	89	4			79	126	20
	Heptachlor epoxide	0.5	0.46	ug/L	93	3			81	124	20
	Endosulfan I	0.5	0.47	ug/L	94	2			85	122	20
	Dieldrin	0.5	0.47	ug/L	94	2			83	125	20
	4,4'-DDE	0.5	0.46	ug/L	93	3			80	127	20
	Endrin	0.5	0.47	ug/L	95	1			81	128	20
	Endosulfan II	0.5	0.48	ug/L	96	1			82	123	20
	4,4'-DDD	0.5	0.48	ug/L	96	2			77	131	20
	Endosulfan sulfate	0.5	0.49	ug/L	98	2			76	129	20
	4,4'-DDT	0.5	0.48	ug/L	97	1			80	133	20
	Methoxychlor	0.5	0.49	ug/L	97	2			78	108	20
	Endrin ketone	0.5	0.51	ug/L	102	0			80	131	20
	Endrin aldehyde	0.5	0.48	ug/L	95	2			82	127	20
	alpha-Chlordane	0.5	0.46	ug/L	92	3			82	125	20
	gamma-Chlordane	0.5	0.46	ug/L	92	3			82	125	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167076BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502

SAS No.: Q1502 SDG NO.: Q1502

Lab Sample ID: PB167076BL

Lab File ID: PL094590.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/11/2025

Date Analyzed (1): 03/11/2025

Date Analyzed (2): 03/11/2025

Time Analyzed (1): 17:57

Time Analyzed (2): 17:57

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
PB167076BS	PB167076BS	PL094591.D	03/11/2025	03/11/2025
PB167076BSD	PB167076BSD	PL094592.D	03/11/2025	03/11/2025
PT-PEST-WP	Q1502-09	PL094595.D	03/11/2025	03/11/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-PEST-WP	SDG No.:	Q1502
Lab Sample ID:	Q1502-09	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094595.D	1	03/11/25 08:39	03/11/25 19:25	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	5.50	E	0.0039	0.050	ug/L
319-85-7	beta-BHC	4.80	E	0.0049	0.050	ug/L
319-86-8	delta-BHC	14.1	E	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	5.00	E	0.0037	0.050	ug/L
76-44-8	Heptachlor	3.90	E	0.0027	0.050	ug/L
309-00-2	Aldrin	8.90	E	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	8.20	E	0.0096	0.050	ug/L
959-98-8	Endosulfan I	13.3	E	0.0031	0.050	ug/L
60-57-1	Dieldrin	8.70	E	0.0036	0.050	ug/L
72-55-9	4,4-DDE	6.40	E	0.0037	0.050	ug/L
72-20-8	Endrin	14.2	E	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	6.10	E	0.0079	0.050	ug/L
72-54-8	4,4-DDD	9.80	E	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	8.70	E	0.0037	0.050	ug/L
50-29-3	4,4-DDT	5.80	E	0.0035	0.050	ug/L
72-43-5	Methoxychlor	7.30	E	0.011	0.050	ug/L
53494-70-5	Endrin ketone	14.8	E	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	14.5	E	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	3.10	E	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	1.70	E	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.9		43 - 140	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.2	*	77 - 126	131%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25	
Project:	NJ Waste Water PT		Date Received:	03/05/25	
Client Sample ID:	PT-PEST-WP		SDG No.:	Q1502	
Lab Sample ID:	Q1502-09		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094595.D	1	03/11/25 08:39	03/11/25 19:25	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 19:25
 Operator : AR\AJ
 Sample : Q1502-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WP

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 03:03:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.770	74181343	75299350	26.206	21.097m
28)	SA Decachlor...	9.053	7.905	52492033	100.3E6	24.908	24.827
Target Compounds							
2)	A alpha-BHC	3.994	3.274	2170.7E6	2981.1E6	522.766	552.933
3)	MA gamma-BHC...	4.326	3.603	1866.3E6	2587.2E6	467.702	503.402
4)	MA Heptachlor	4.914	3.941	1406.5E6	2063.3E6	362.351	391.625
5)	MB Aldrin	5.254	4.220	3107.5E6	4355.8E6	841.642m	893.254
6)	B beta-BHC	4.525	3.903	764.0E6	1063.4E6	414.068	478.742
7)	B delta-BHC	4.772	4.132	5336.0E6	7055.7E6	1370.215	1410.586
8)	B Heptachlo...	5.682	4.723	2667.5E6	3765.1E6	797.410	822.337
9)	A Endosulfan I	6.068	5.093	4028.0E6	5816.3E6	1311.963	1325.273
10)	B gamma-Chl...	5.938	4.973	519.7E6	836.5E6	154.252	173.248
11)	B alpha-Chl...	6.017	5.036	919.5E6	1497.4E6	278.894	313.740
12)	B 4,4'-DDE	6.191	5.225	1765.3E6	2979.1E6	600.030	640.879
13)	MA Dieldrin	6.343	5.357	2741.5E6	4236.9E6	857.230	873.259
14)	MA Endrin	6.573	5.632	3938.4E6	5934.3E6	1420.756	1359.948
15)	B Endosulfa...	6.793	5.927	1587.5E6	2649.4E6	584.752	612.127
16)	A 4,4'-DDD	6.709	5.779	1875.5E6	3511.9E6	865.861	976.641m
17)	MA 4,4'-DDT	7.022	6.030	1235.5E6	2350.3E6	519.432	582.902
18)	B Endrin al...	6.923	6.107	2994.0E6	4875.7E6	1418.291	1448.789
19)	B Endosulfa...	7.157	6.330	2006.5E6	3564.0E6	825.018	874.925
20)	A Methoxychlor	7.499	6.605	860.1E6	1552.7E6	718.515	732.050
21)	B Endrin ke...	7.641	6.835	3924.4E6	6483.8E6	1484.692m	1358.550

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:25
Operator : AR\AJ
Sample : Q1502-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WP

Manual Integrations

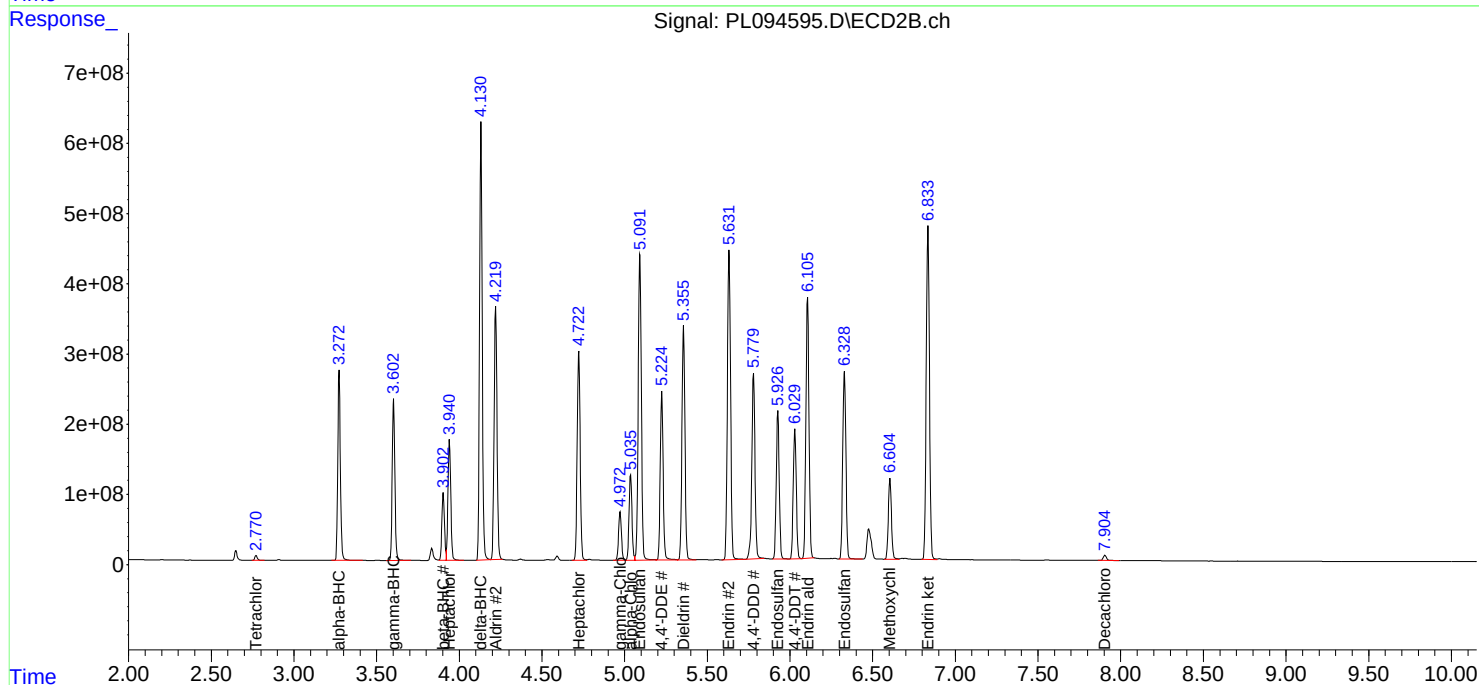
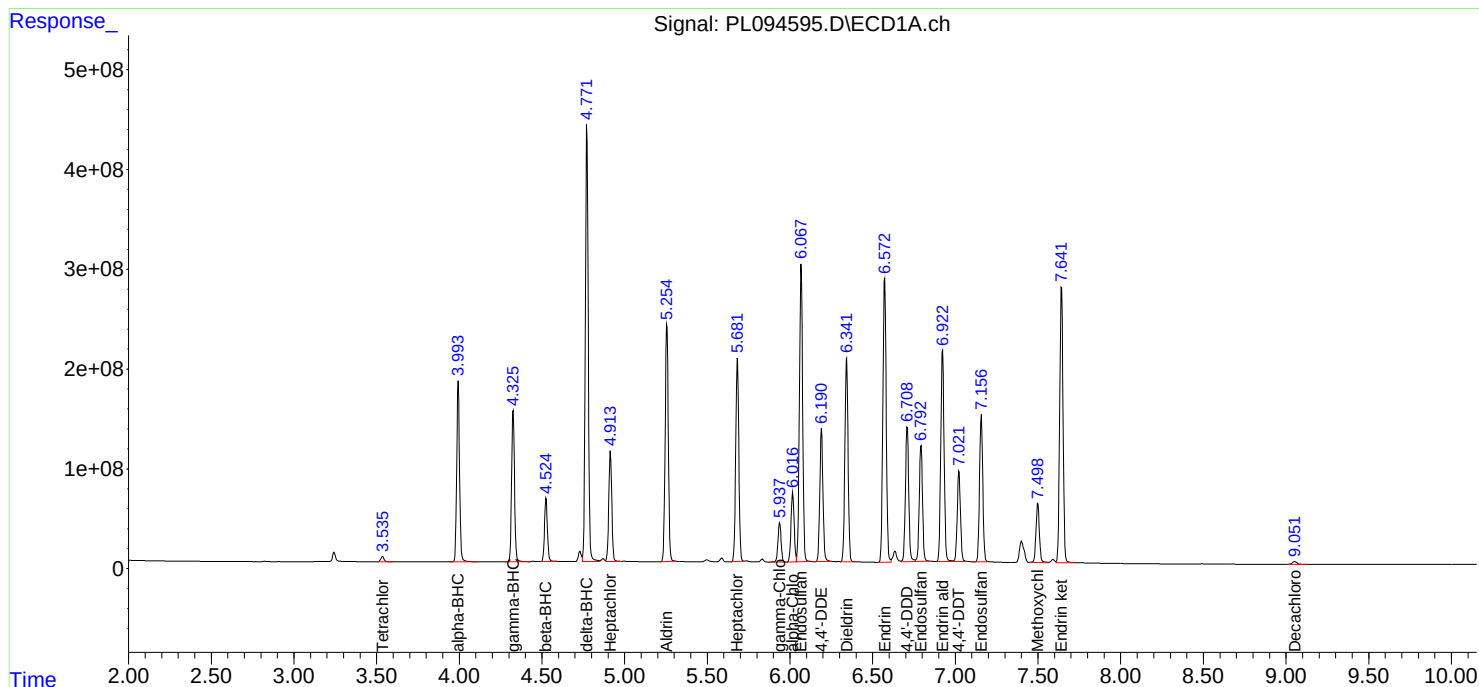
APPROVED

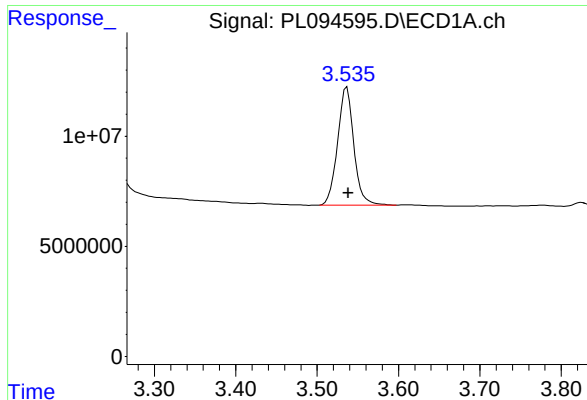
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:03:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





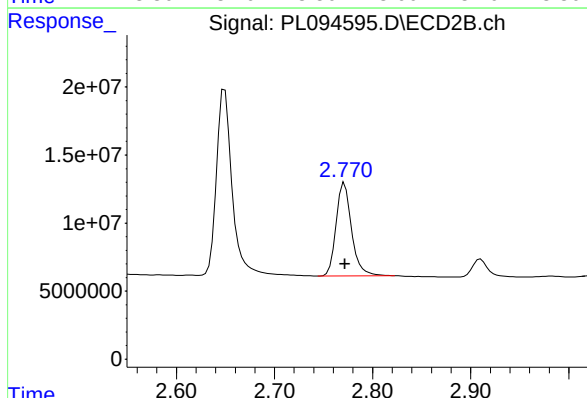
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 74181343
Conc: 26.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

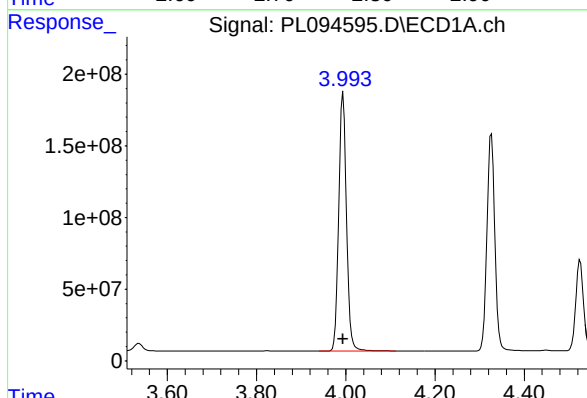
Manual Integrations
APPROVED

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



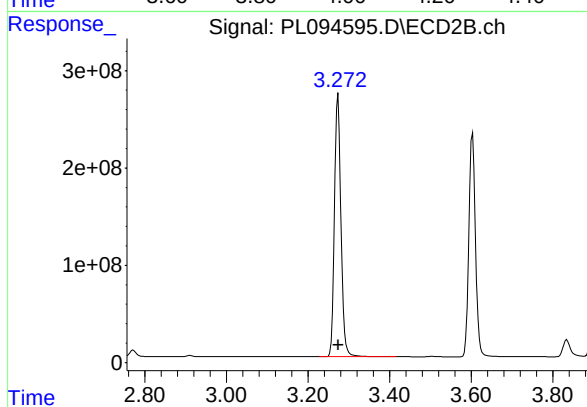
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 75299350
Conc: 21.10 ng/ml



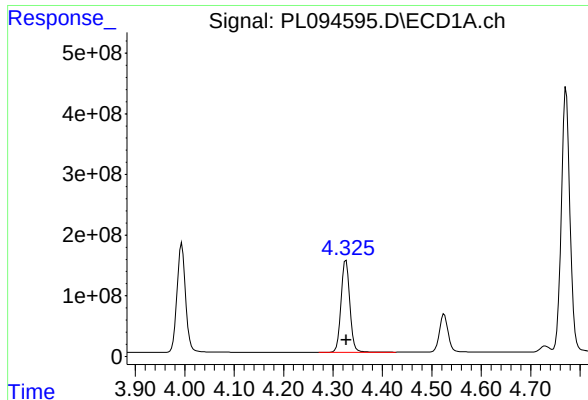
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 2170704387
Conc: 522.77 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2981066084
Conc: 552.93 ng/ml



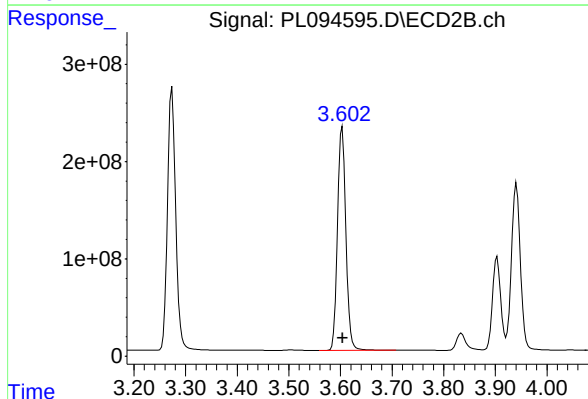
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 1866257178
Conc: 467.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

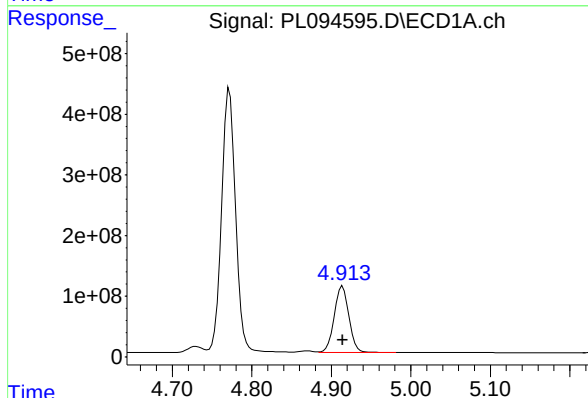
Manual Integrations
APPROVED

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



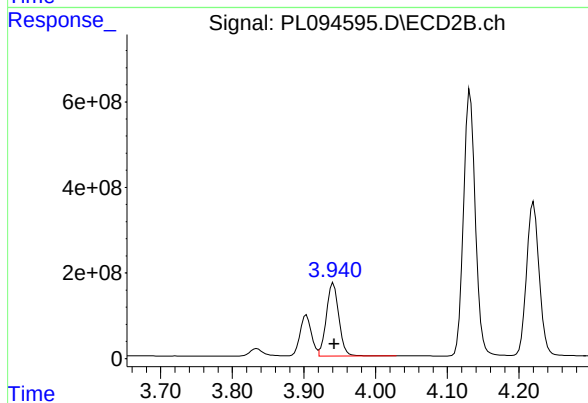
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 2587207070
Conc: 503.40 ng/ml



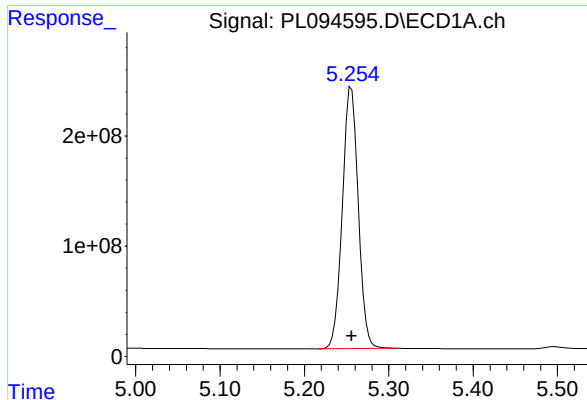
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 1406510479
Conc: 362.35 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.001 min
Response: 2063331588
Conc: 391.62 ng/ml



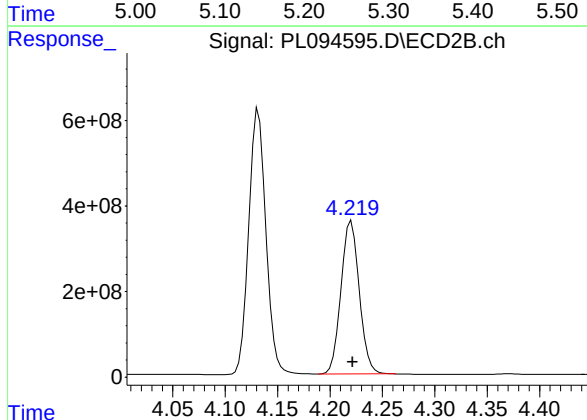
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 3107528361
Conc: 841.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

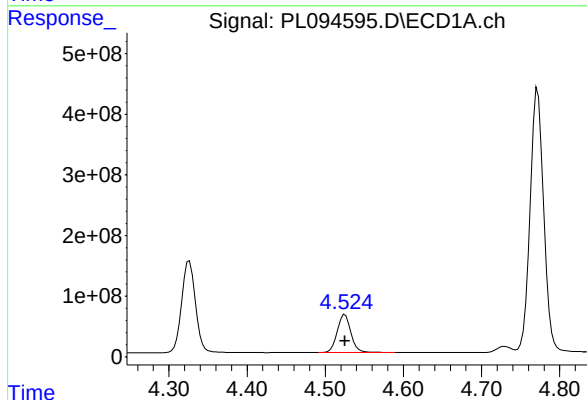
Manual Integrations
APPROVED

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



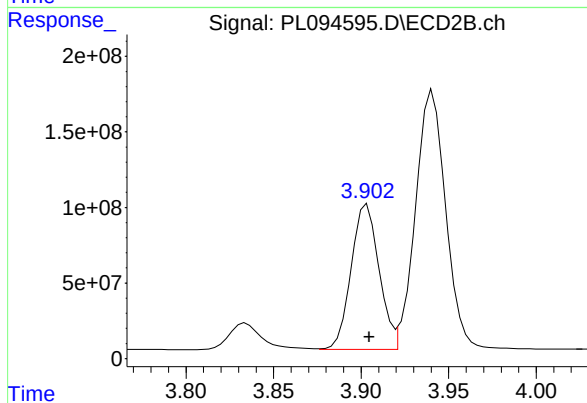
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.001 min
Response: 4355812509
Conc: 893.25 ng/ml



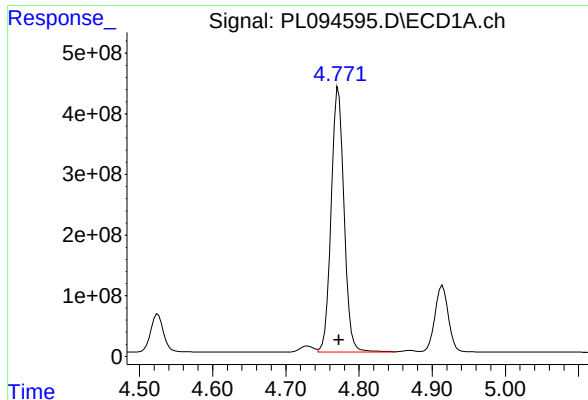
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 764045200
Conc: 414.07 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.001 min
Response: 1063426611
Conc: 478.74 ng/ml



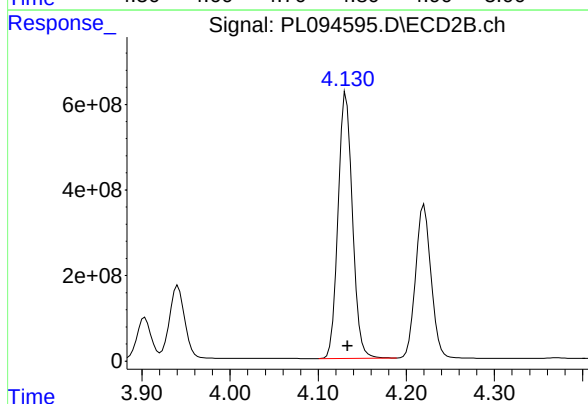
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 5336040471
Conc: 1370.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

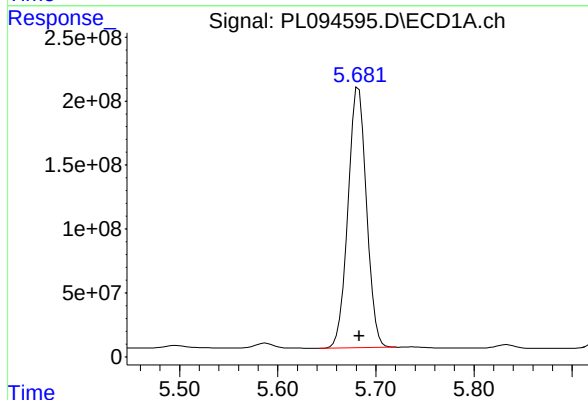
Manual Integrations
APPROVED

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



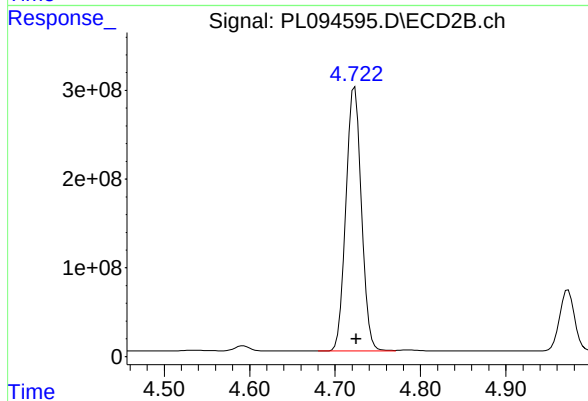
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.001 min
Response: 7055722886
Conc: 1410.59 ng/ml



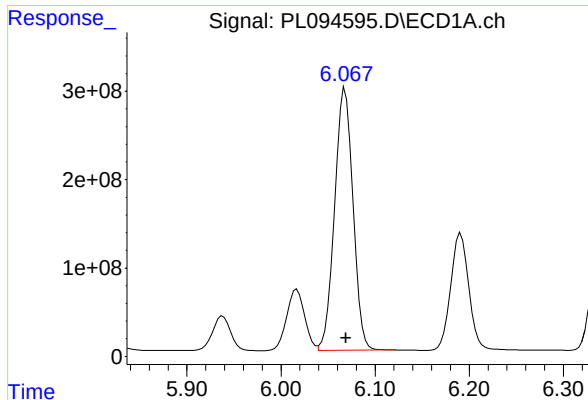
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 2667493763
Conc: 797.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.002 min
Response: 3765141478
Conc: 822.34 ng/ml



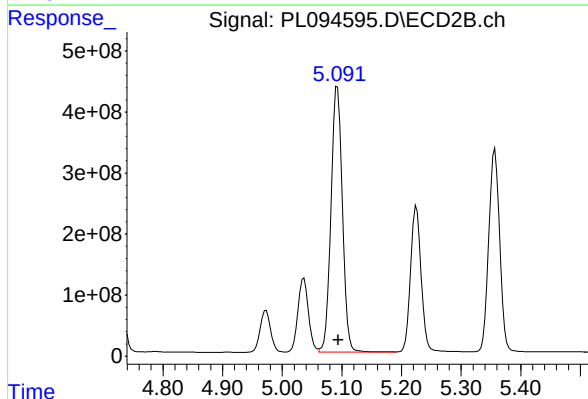
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 4027993208
Conc: 1311.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

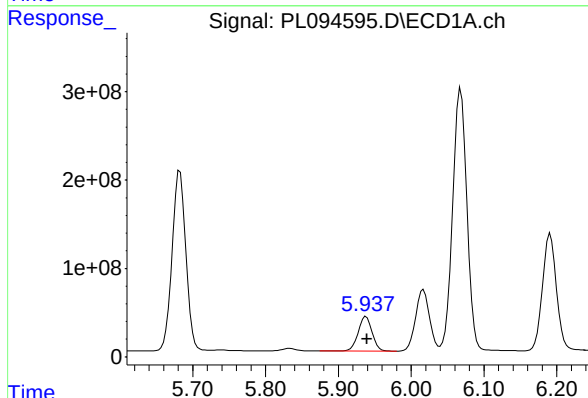
Manual Integrations
APPROVED

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



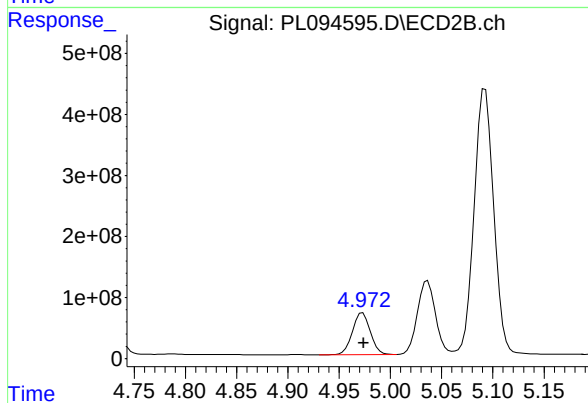
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.001 min
Response: 5816267783
Conc: 1325.27 ng/ml



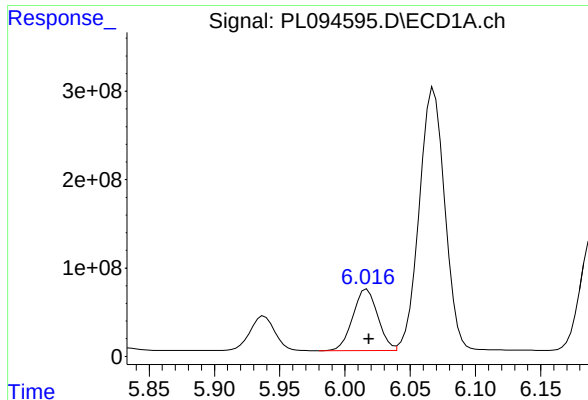
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 519730805
Conc: 154.25 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 836514114
Conc: 173.25 ng/ml



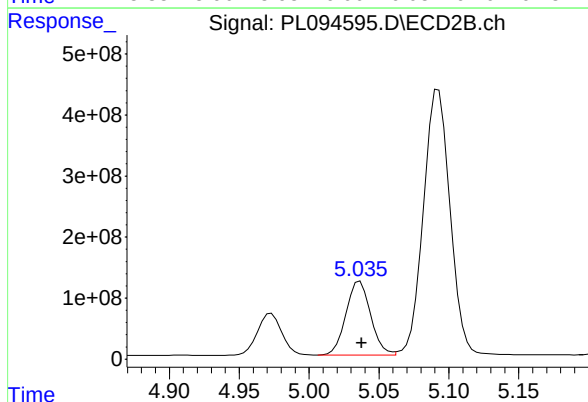
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.002 min
Response: 919467632
Conc: 278.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

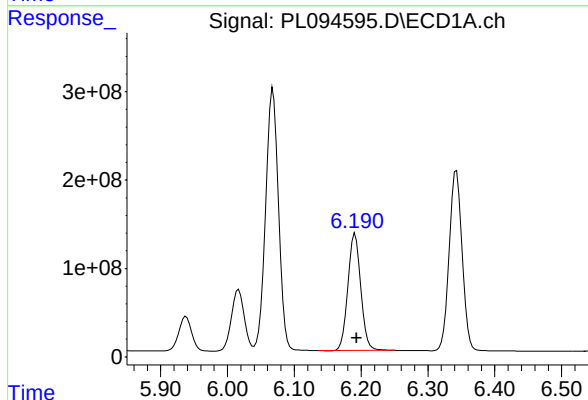
Manual Integrations
APPROVED

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



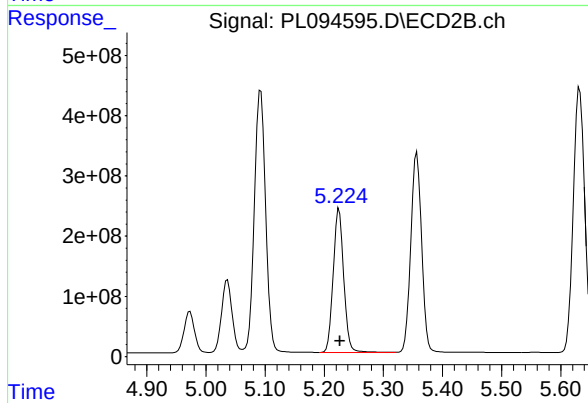
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.001 min
Response: 1497406772
Conc: 313.74 ng/ml



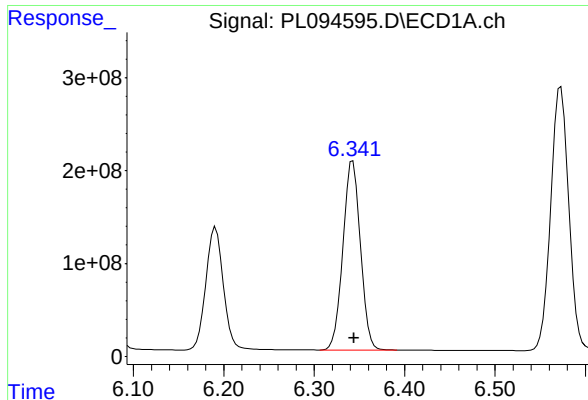
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 1765322968
Conc: 600.03 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.001 min
Response: 2979145439
Conc: 640.88 ng/ml



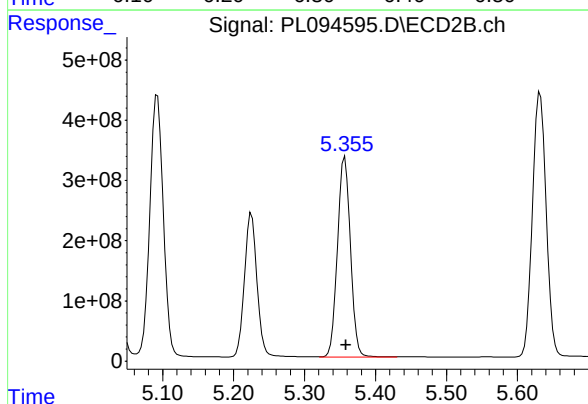
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 2741540942
Conc: 857.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

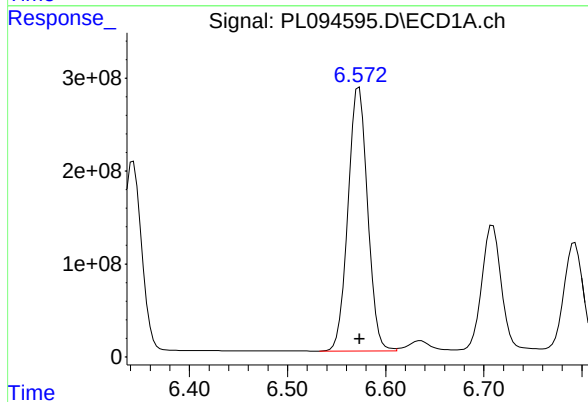
Manual Integrations
APPROVED

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



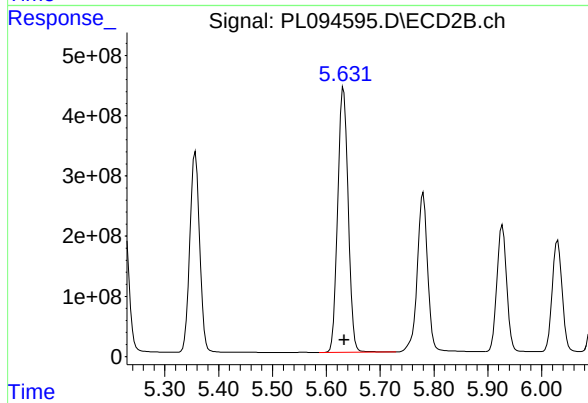
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.001 min
Response: 4236893414
Conc: 873.26 ng/ml



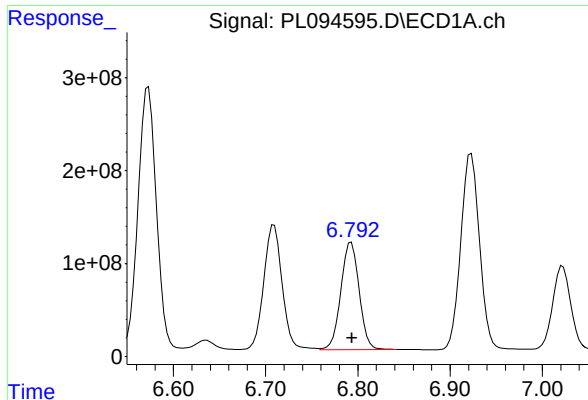
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 3938441241
Conc: 1420.76 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.001 min
Response: 5934337267
Conc: 1359.95 ng/ml



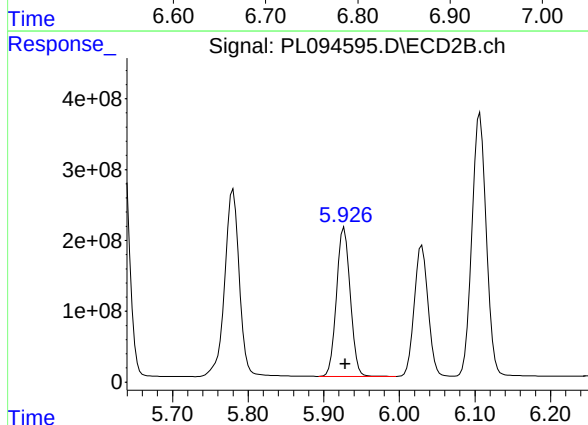
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 1587452287
Conc: 584.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

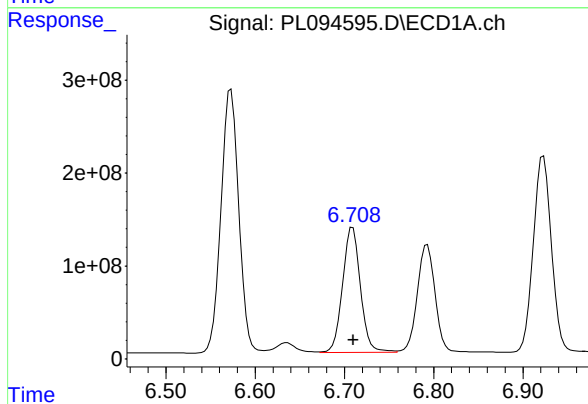
Manual Integrations
APPROVED

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



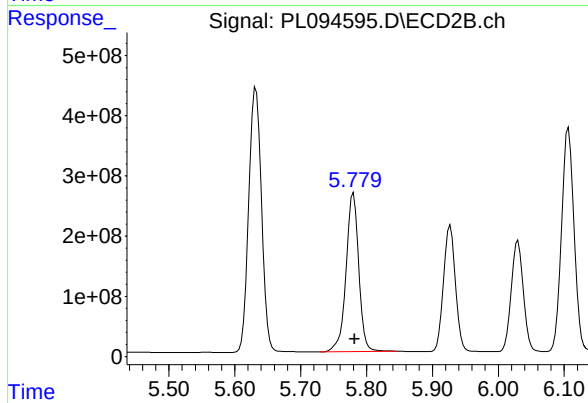
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.001 min
Response: 2649443657
Conc: 612.13 ng/ml



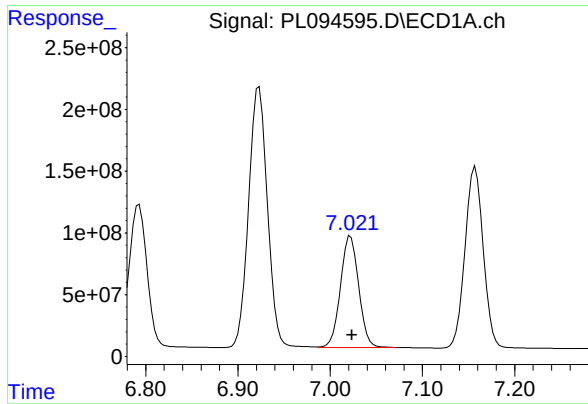
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 1875514148
Conc: 865.86 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 3511894796
Conc: 976.64 ng/ml m



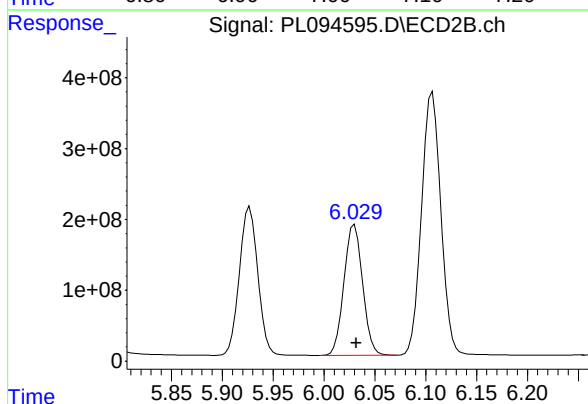
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 1235488840
Conc: 519.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

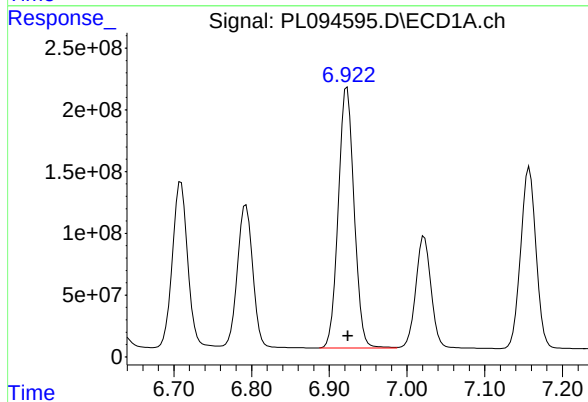
Manual Integrations
APPROVED

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



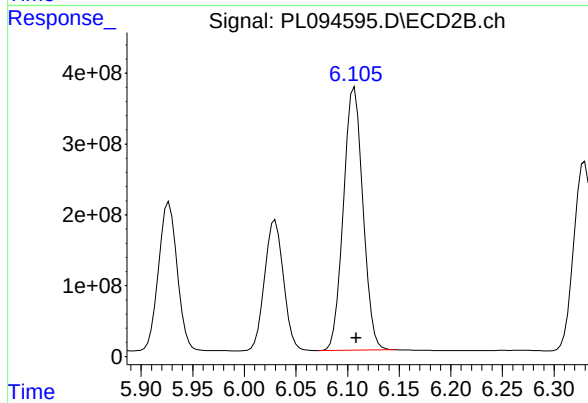
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.002 min
Response: 2350323608
Conc: 582.90 ng/ml



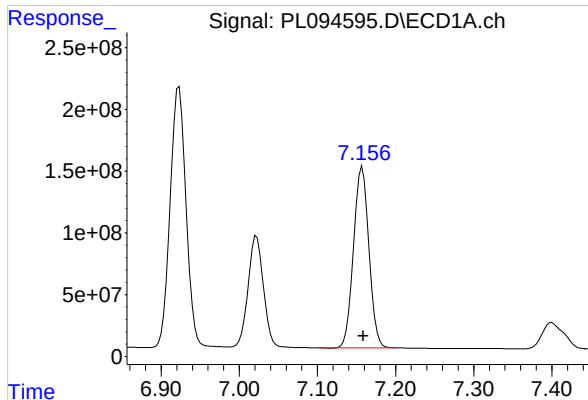
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 2993998751
Conc: 1418.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 4875708852
Conc: 1448.79 ng/ml



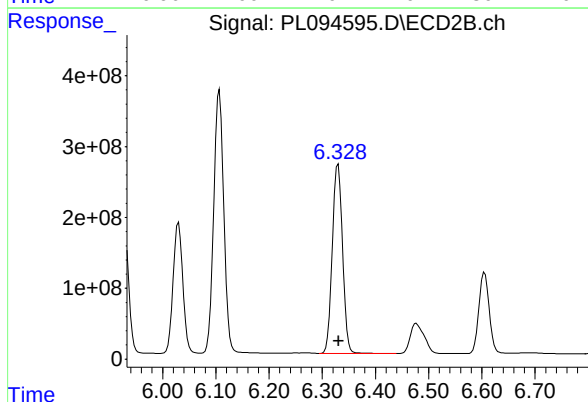
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.001 min
Response: 2006460372
Conc: 825.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

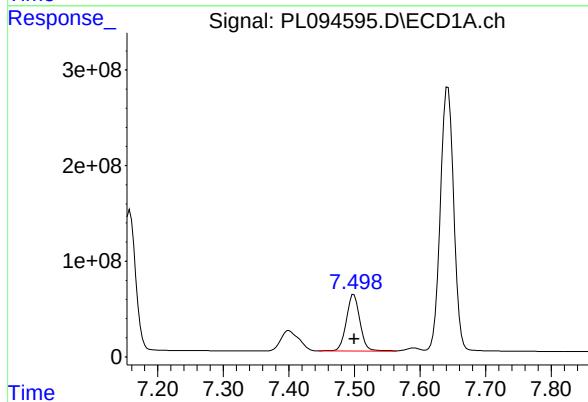
Manual Integrations
APPROVED

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



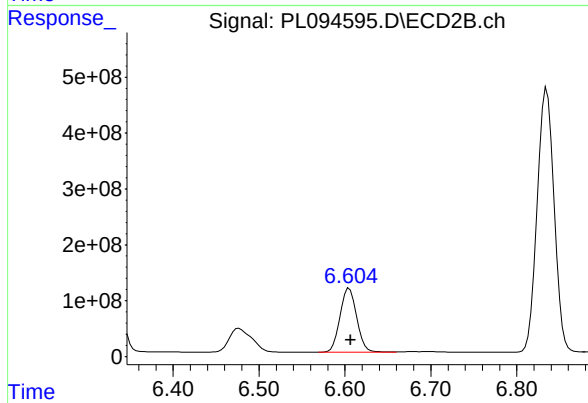
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.001 min
Response: 3563953642
Conc: 874.93 ng/ml



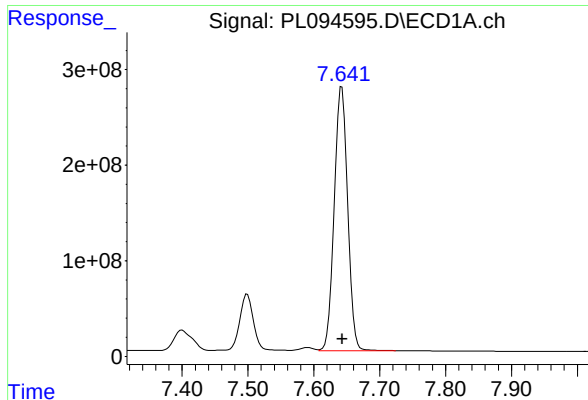
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 860114563
Conc: 718.52 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 1552727971
Conc: 732.05 ng/ml



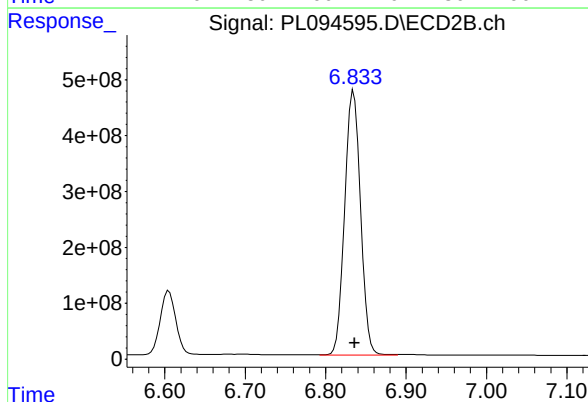
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 3924441650
Conc: 1484.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WP

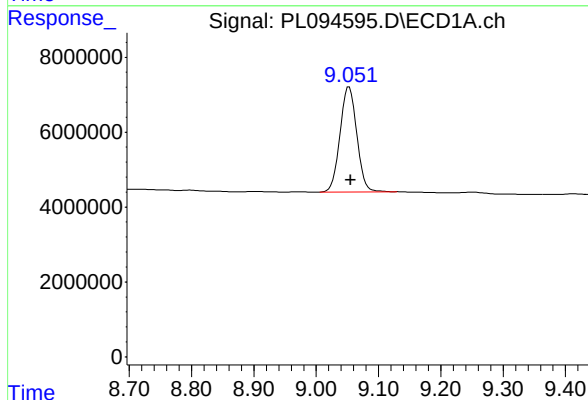
Manual Integrations
APPROVED

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



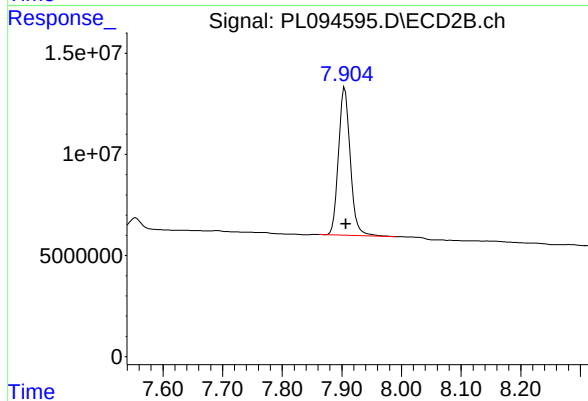
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.001 min
Response: 6483788082
Conc: 1358.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 52492033
Conc: 24.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 100284645
Conc: 24.83 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/03/25	
Project:	NJ Waste Water PT			Date Received:	03/05/25	
Client Sample ID:	PT-PEST-WPDL			SDG No.:	Q1502	
Lab Sample ID:	Q1502-09DL			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094635.D	2	03/11/25 08:39	03/12/25 14:26	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	5.60	ED	0.0078	0.10	ug/L
319-85-7	beta-BHC	4.90	ED	0.0098	0.10	ug/L
319-86-8	delta-BHC	15.1	ED	0.022	0.10	ug/L
58-89-9	gamma-BHC (Lindane)	5.10	ED	0.0074	0.10	ug/L
76-44-8	Heptachlor	4.00	ED	0.0054	0.10	ug/L
309-00-2	Aldrin	9.50	ED	0.0072	0.10	ug/L
1024-57-3	Heptachlor epoxide	9.00	ED	0.019	0.10	ug/L
959-98-8	Endosulfan I	14.8	ED	0.0062	0.10	ug/L
60-57-1	Dieldrin	9.40	ED	0.0072	0.10	ug/L
72-55-9	4,4-DDE	6.60	ED	0.0074	0.10	ug/L
72-20-8	Endrin	15.0	ED	0.0064	0.10	ug/L
33213-65-9	Endosulfan II	6.50	ED	0.016	0.10	ug/L
72-54-8	4,4-DDD	10.1	ED	0.014	0.10	ug/L
1031-07-8	Endosulfan Sulfate	9.50	ED	0.0074	0.10	ug/L
50-29-3	4,4-DDT	5.80	ED	0.0070	0.10	ug/L
72-43-5	Methoxychlor	7.90	ED	0.022	0.10	ug/L
53494-70-5	Endrin ketone	15.2	ED	0.019	0.10	ug/L
7421-93-4	Endrin aldehyde	15.6	ED	0.022	0.10	ug/L
5103-71-9	alpha-Chlordane	3.20	ED	0.0070	0.10	ug/L
5103-74-2	gamma-Chlordane	1.70	D	0.0078	0.10	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.1		43 - 140	130%	SPK: 20
877-09-8	Tetrachloro-m-xylene	27.1	*	77 - 126	136%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25	
Project:	NJ Waste Water PT		Date Received:	03/05/25	
Client Sample ID:	PT-PEST-WPDL		SDG No.:	Q1502	
Lab Sample ID:	Q1502-09DL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094635.D	2	03/11/25 08:39	03/12/25 14:26	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094635.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 14:26
 Operator : AR\AJ
 Sample : Q1502-09DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-WPDL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:33:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	38407174	39494099	13.568	11.065
2) SA Decachlor...	9.050	7.904	27468780	50302799	13.034	12.453
Target Compounds						
2) A alpha-BHC	3.993	3.273	1045.7E6	1517.5E6	251.830	281.473
3) MA gamma-BHC...	4.326	3.602	900.8E6	1314.9E6	225.750	255.845
4) MA Heptachlor	4.913	3.940	677.1E6	1060.5E6	174.425	201.277
5) MB Aldrin	5.255	4.220	1534.9E6	2315.1E6	415.718	474.769
6) B beta-BHC	4.524	3.902	383.5E6	548.1E6	207.819	246.761
7) B delta-BHC	4.772	4.131	2583.1E6	3764.0E6	663.295	752.507
8) B Heptachlo...	5.682	4.722	1354.2E6	2063.6E6	404.833	450.713
9) A Endosulfan I	6.067	5.091	2066.9E6	3242.3E6	673.212	738.770
10) B gamma-Chl...	5.937	4.971	256.6E6	416.8E6	76.156	86.329
11) B alpha-Chl...	6.016	5.035	453.4E6	754.4E6	137.516	158.065
12) B 4,4'-DDE	6.189	5.223	882.6E6	1542.5E6	299.984	331.830
13) MA Dieldrin	6.342	5.355	1363.3E6	2277.3E6	426.277	469.372
14) MA Endrin	6.570	5.631	1974.3E6	3279.5E6	712.193m	751.553
15) B Endosulfa...	6.792	5.925	787.4E6	1408.9E6	290.035	325.522
16) A 4,4'-DDD	6.708	5.779	936.3E6	1808.7E6	432.273	503.000
17) MA 4,4'-DDT	7.021	6.028	588.0E6	1169.8E6	247.193	290.127
18) B Endrin al...	6.922	6.105	1496.0E6	2627.0E6	708.674	780.610
19) B Endosulfa...	7.156	6.328	1022.5E6	1933.5E6	420.423	474.656
20) A Methoxychlor	7.497	6.603	436.4E6	834.8E6	364.559	393.579
21) B Endrin ke...	7.641	6.833	2011.7E6	3634.7E6	761.060	761.587

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094635.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 14:26
Operator : AR\AJ
Sample : Q1502-09DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WPDL

Manual Integrations

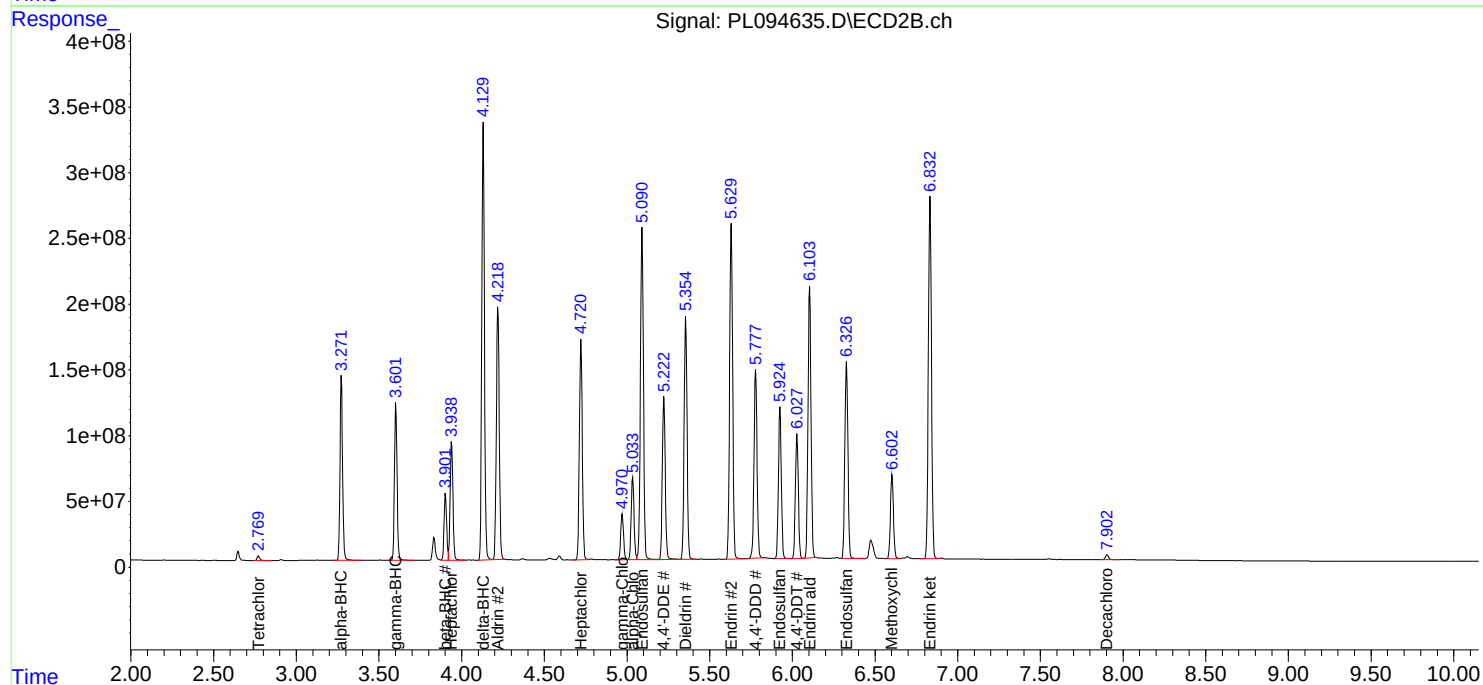
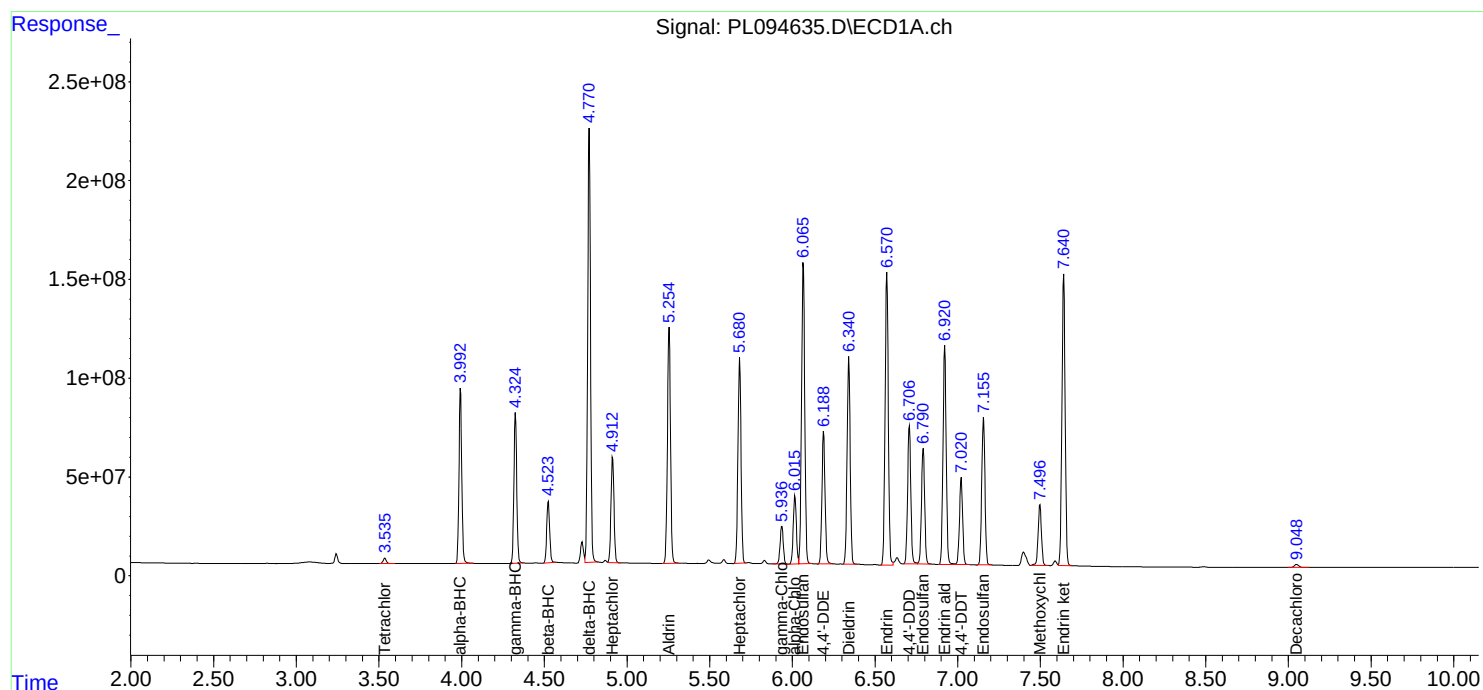
APPROVED

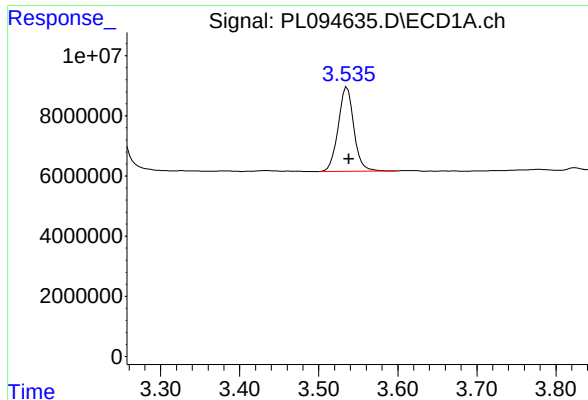
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:33:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





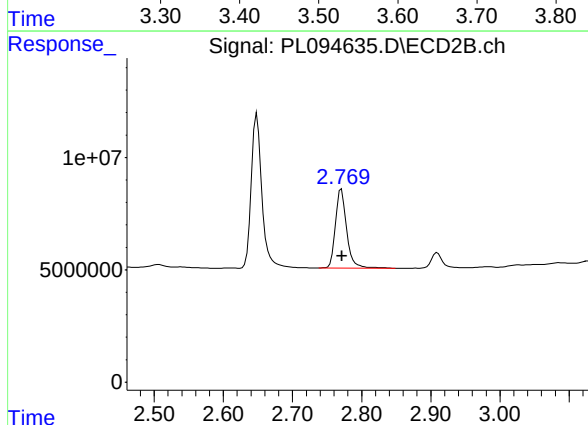
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 38407174
Conc: 13.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

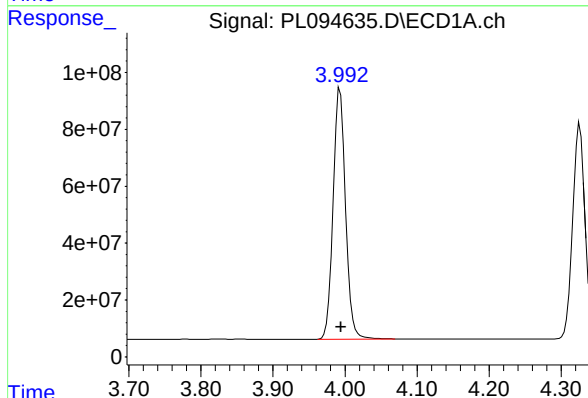
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



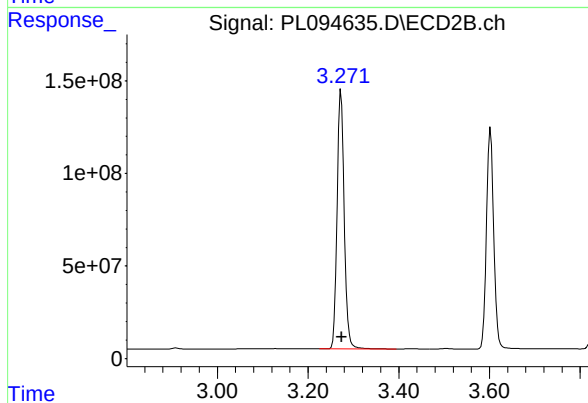
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 39494099
Conc: 11.07 ng/ml



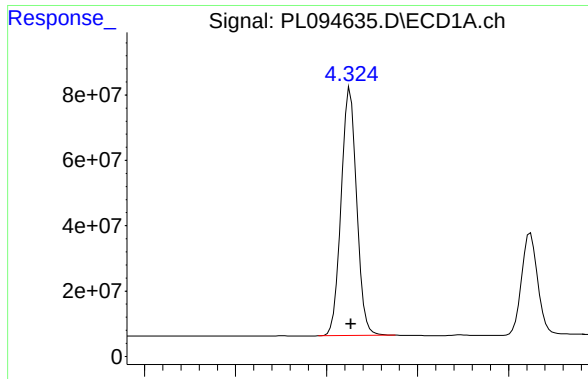
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 1045684515
Conc: 251.83 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 1517523862
Conc: 281.47 ng/ml



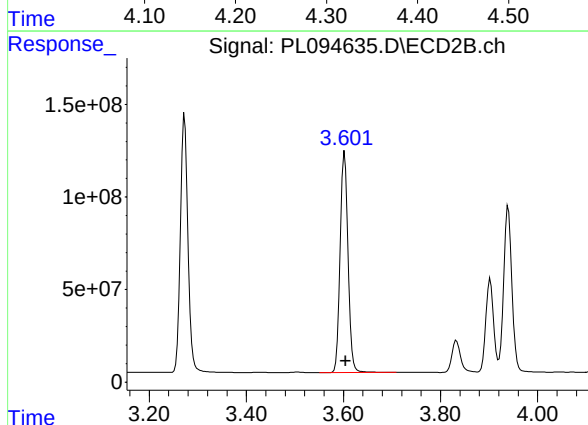
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 900804742
Conc: 225.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

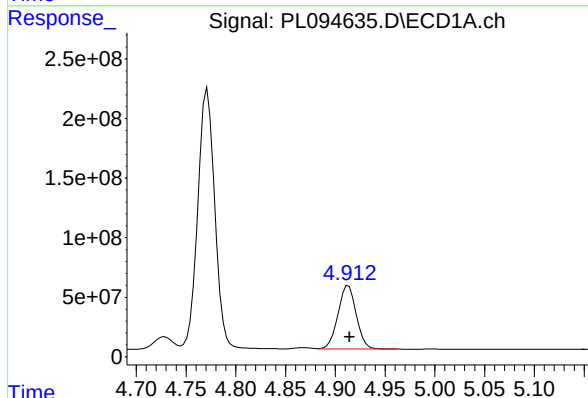
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



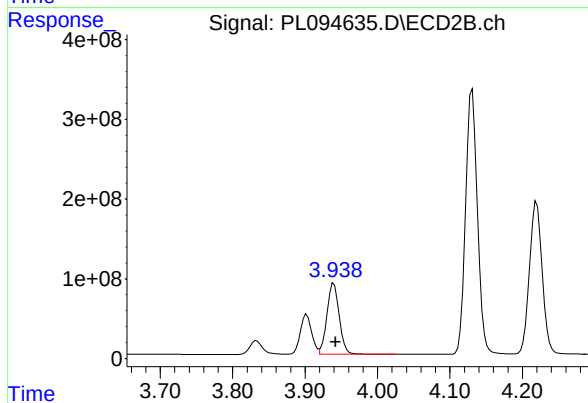
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 1314902544
Conc: 255.84 ng/ml



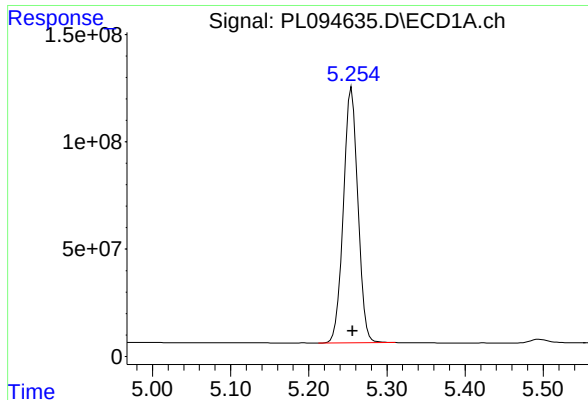
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 677054024
Conc: 174.43 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 1060458208
Conc: 201.28 ng/ml



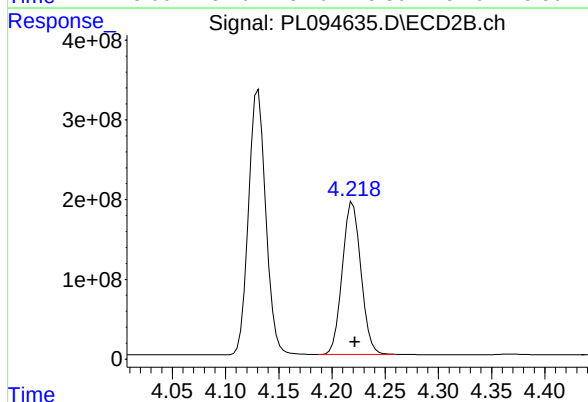
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 1534921044
Conc: 415.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

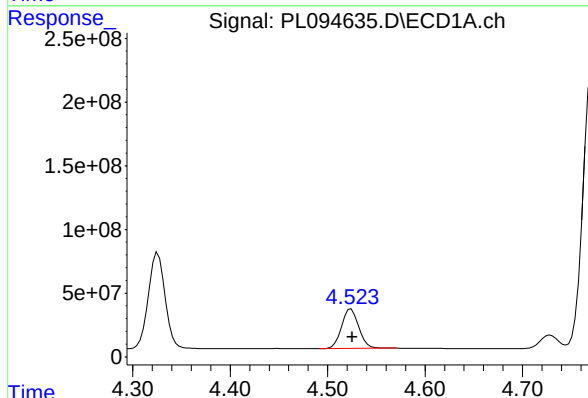
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



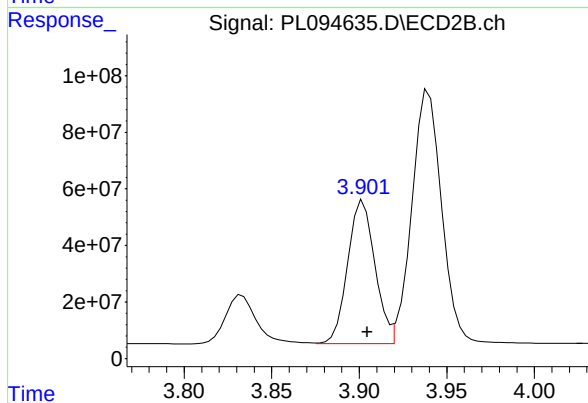
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 2315139652
Conc: 474.77 ng/ml



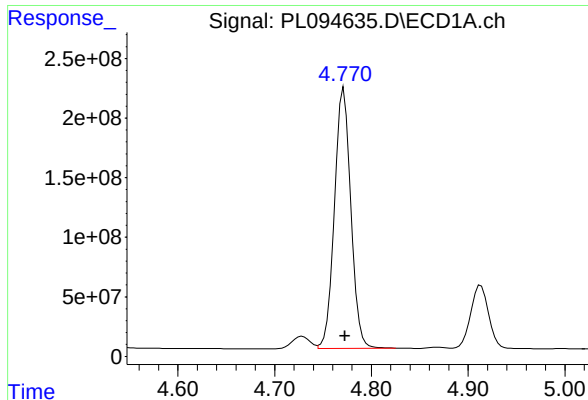
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 383472089
Conc: 207.82 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 548128821
Conc: 246.76 ng/ml



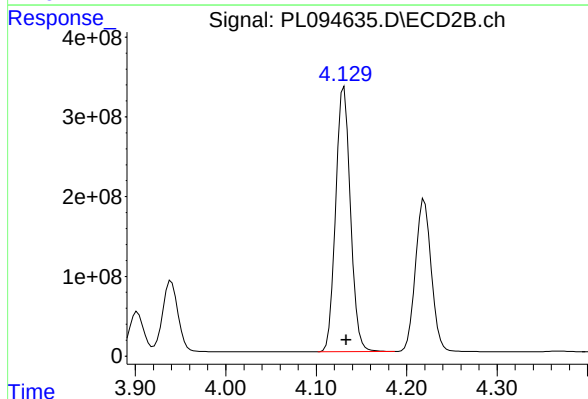
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: -0.001 min
Response: 2583076938
Conc: 663.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

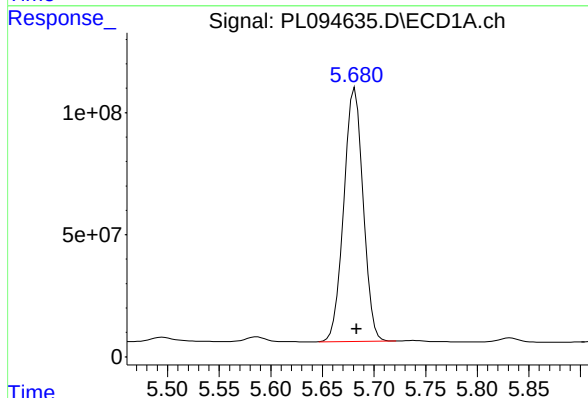
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



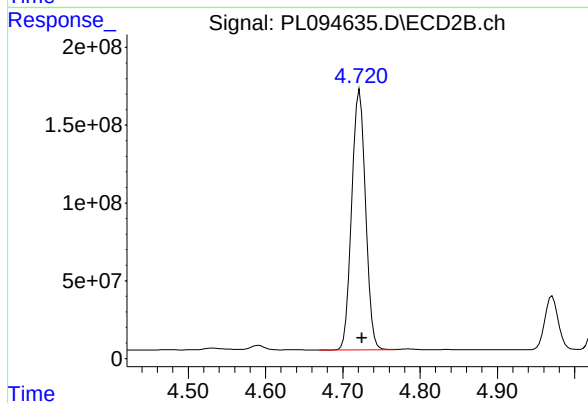
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 3764027870
Conc: 752.51 ng/ml



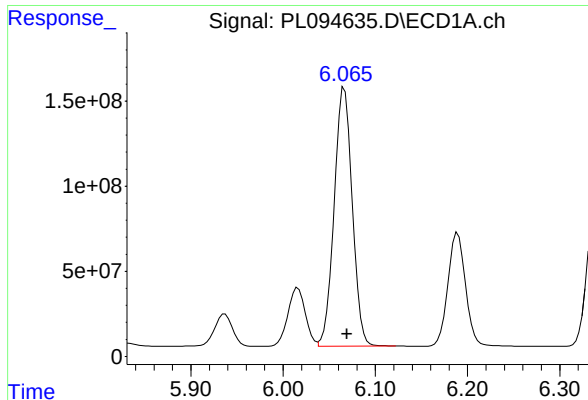
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.002 min
Response: 1354246563
Conc: 404.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.003 min
Response: 2063629225
Conc: 450.71 ng/ml



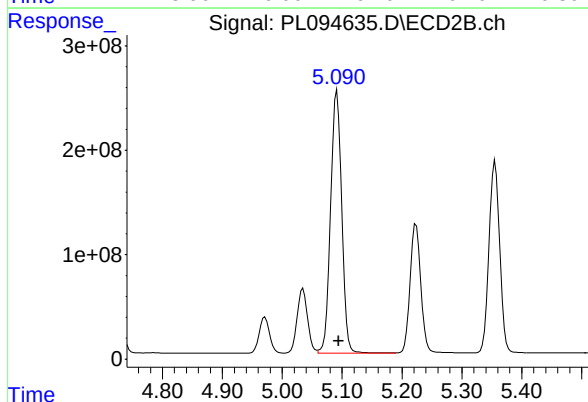
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 2066898167
Conc: 673.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

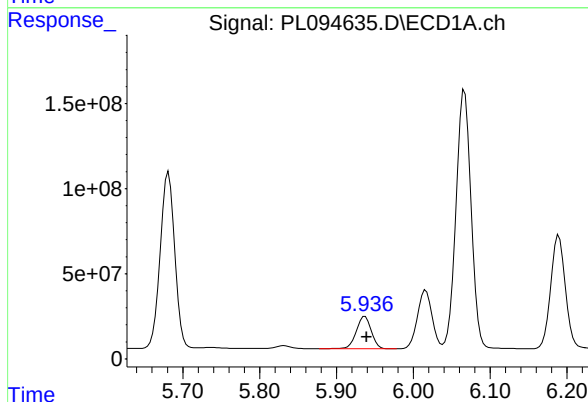
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



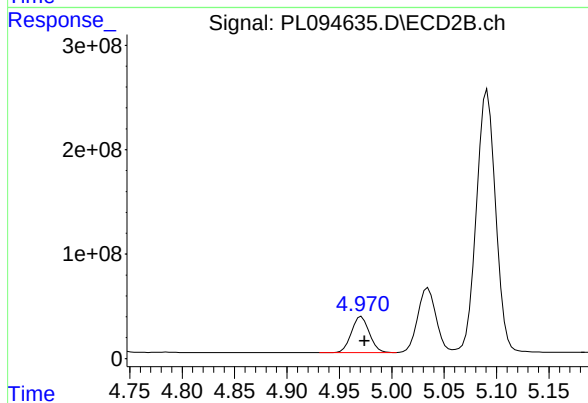
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 3242263331
Conc: 738.77 ng/ml



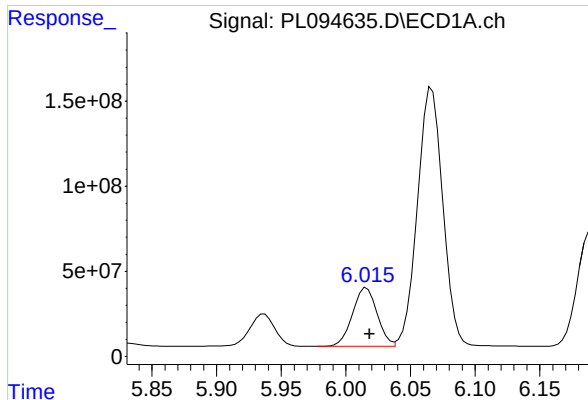
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 256598496
Conc: 76.16 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 416830454
Conc: 86.33 ng/ml



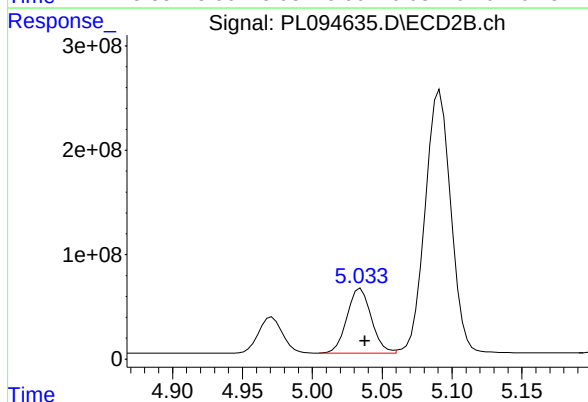
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 453369064
Conc: 137.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

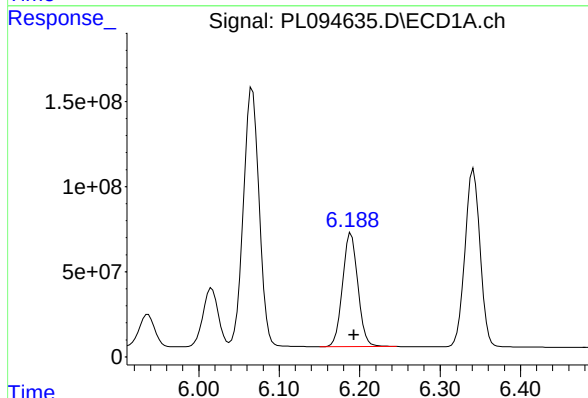
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



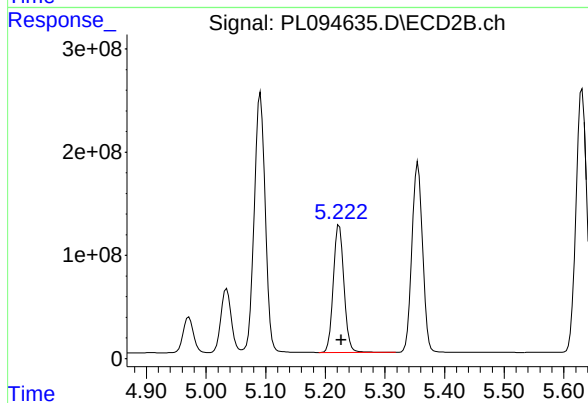
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 754410009
Conc: 158.07 ng/ml



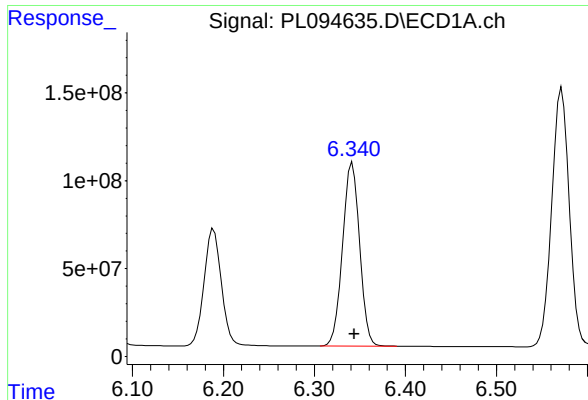
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 882570727
Conc: 299.98 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.003 min
Response: 1542519345
Conc: 331.83 ng/ml



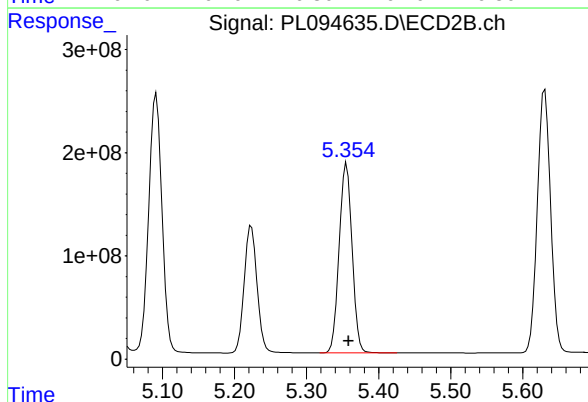
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 1363293627
Conc: 426.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

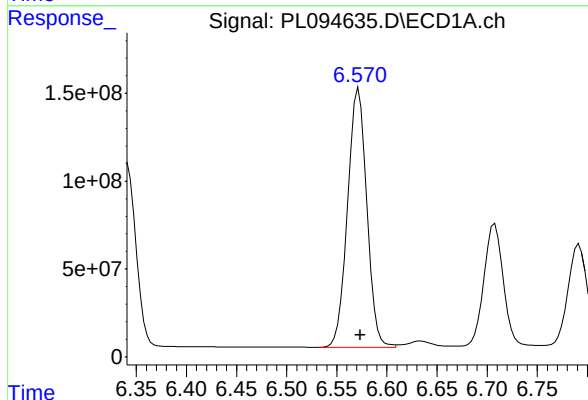
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



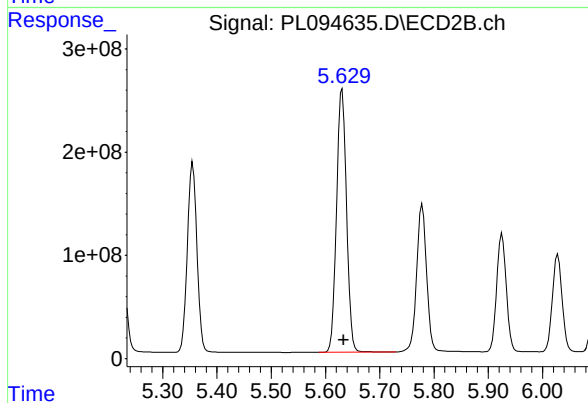
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 2277307102
Conc: 469.37 ng/ml



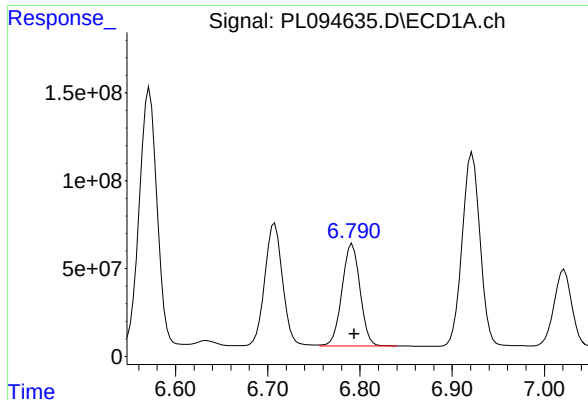
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 1974250694
Conc: 712.19 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 3279512343
Conc: 751.55 ng/ml



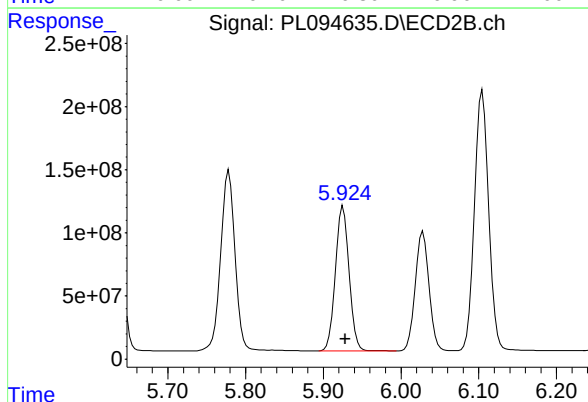
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 787369936
Conc: 290.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

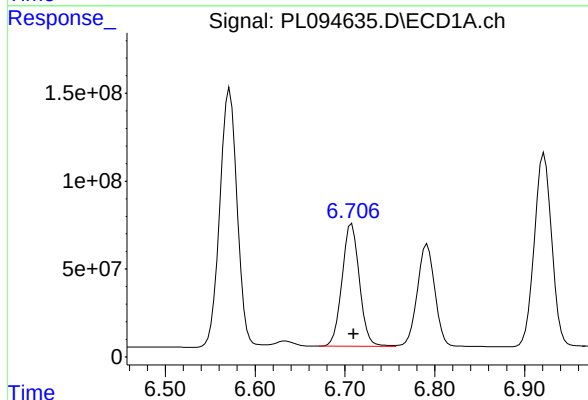
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



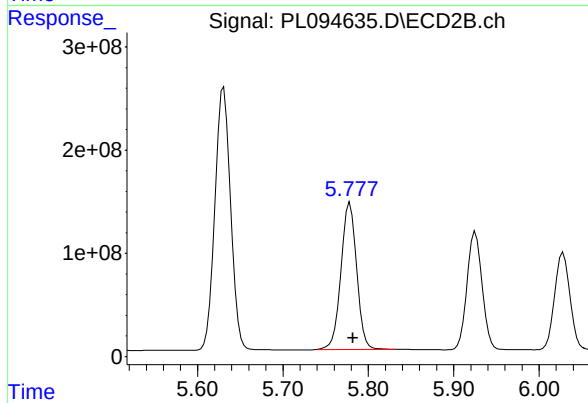
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 1408944460
Conc: 325.52 ng/ml



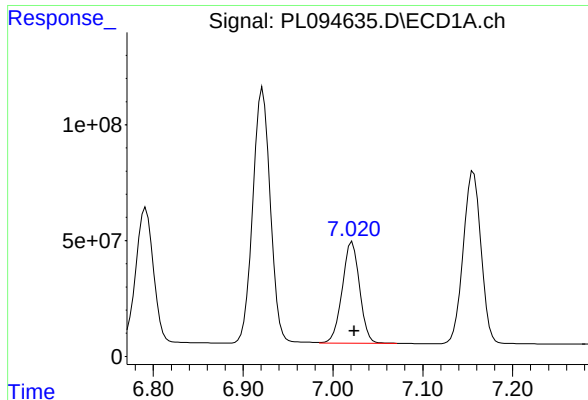
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 936333197
Conc: 432.27 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1808733170
Conc: 503.00 ng/ml



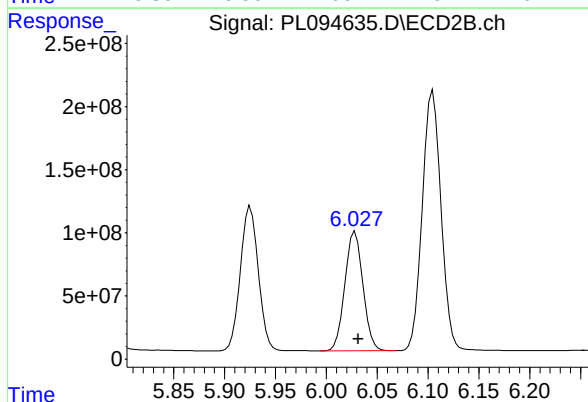
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 587958650
Conc: 247.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

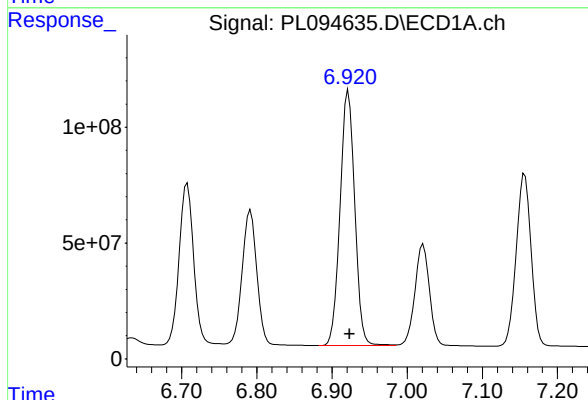
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



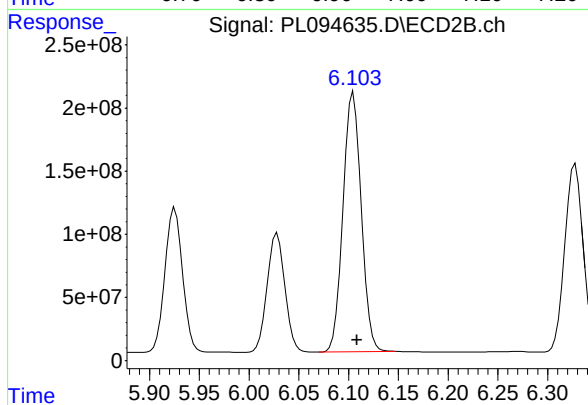
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 1169822017
Conc: 290.13 ng/ml



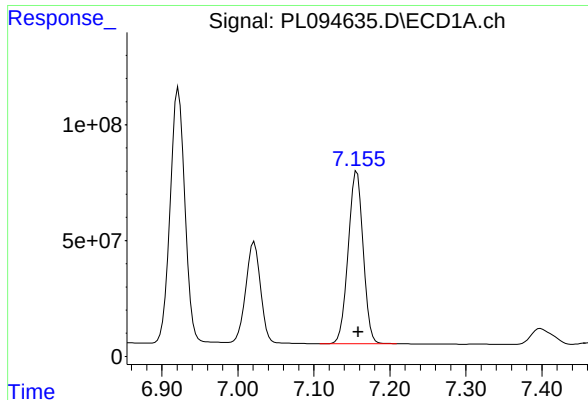
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 1496004382
Conc: 708.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 2627040151
Conc: 780.61 ng/ml



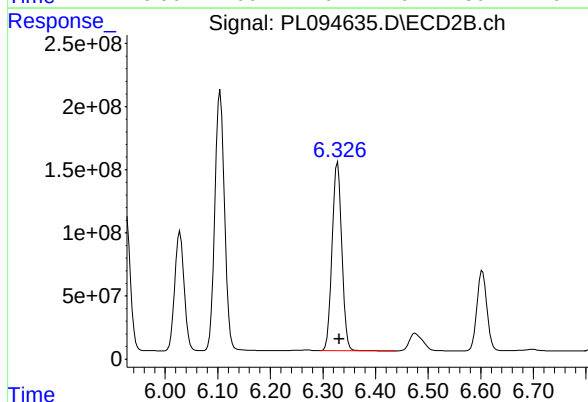
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.002 min
Response: 1022476456
Conc: 420.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

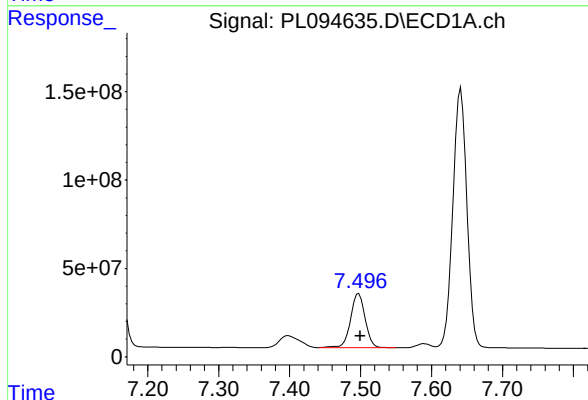
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



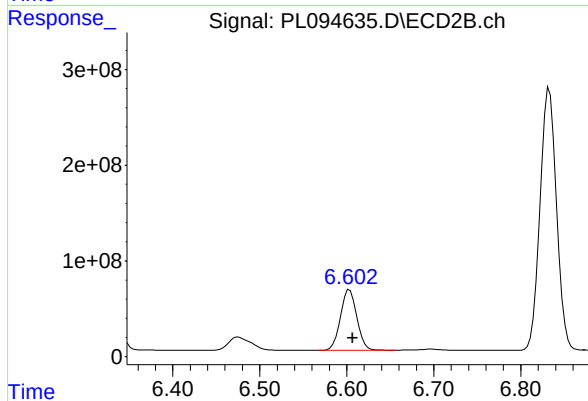
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 1933481738
Conc: 474.66 ng/ml



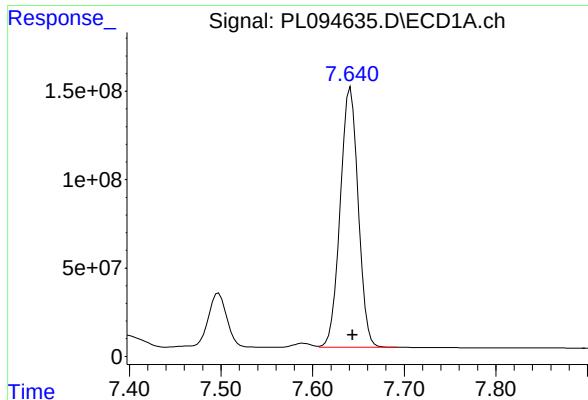
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 436403642
Conc: 364.56 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 834807749
Conc: 393.58 ng/ml



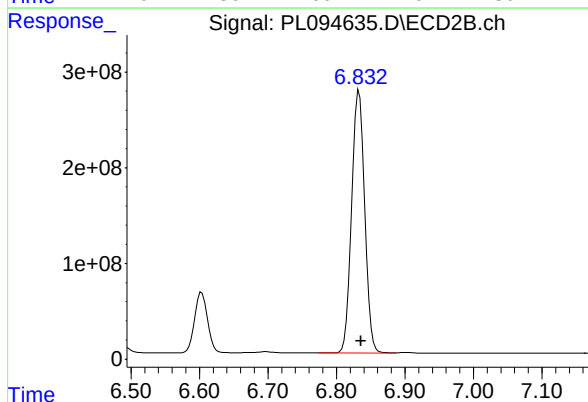
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 2011685916
Conc: 761.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL

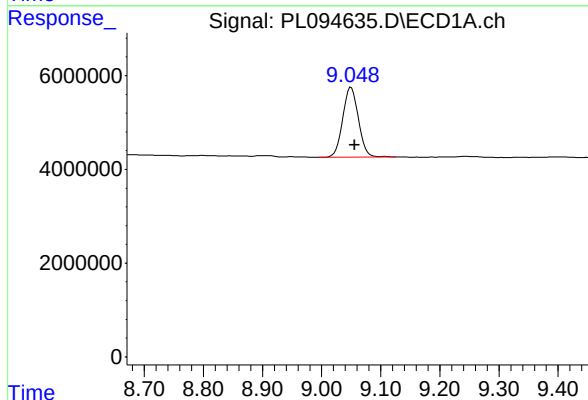
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



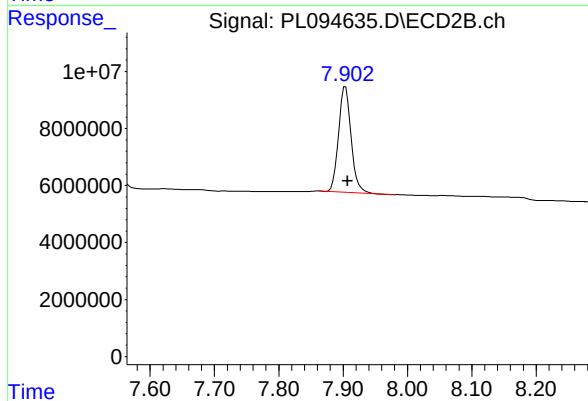
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 3634733565
Conc: 761.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 27468780
Conc: 13.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 50302799
Conc: 12.45 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-PEST-WPDL2	SDG No.:	Q1502
Lab Sample ID:	Q1502-09DL2	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094636.D	20	03/11/25 08:39	03/12/25 14:40	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	5.40	D	0.078	1.00	ug/L
319-85-7	beta-BHC	5.30	D	0.098	1.00	ug/L
319-86-8	delta-BHC	15.9	D	0.22	1.00	ug/L
58-89-9	gamma-BHC (Lindane)	5.00	D	0.074	1.00	ug/L
76-44-8	Heptachlor	4.10	D	0.054	1.00	ug/L
309-00-2	Aldrin	10.1	D	0.072	1.00	ug/L
1024-57-3	Heptachlor epoxide	10.2	D	0.19	1.00	ug/L
959-98-8	Endosulfan I	17.6	D	0.062	1.00	ug/L
60-57-1	Dieldrin	10.2	D	0.072	1.00	ug/L
72-55-9	4,4-DDE	6.90	D	0.074	1.00	ug/L
72-20-8	Endrin	17.9	D	0.064	1.00	ug/L
33213-65-9	Endosulfan II	7.20	D	0.16	1.00	ug/L
72-54-8	4,4-DDD	10.5	D	0.14	1.00	ug/L
1031-07-8	Endosulfan Sulfate	10.9	D	0.074	1.00	ug/L
50-29-3	4,4-DDT	5.50	D	0.070	1.00	ug/L
72-43-5	Methoxychlor	9.10	D	0.22	1.00	ug/L
53494-70-5	Endrin ketone	19.3	D	0.19	1.00	ug/L
7421-93-4	Endrin aldehyde	18.9	D	0.22	1.00	ug/L
5103-71-9	alpha-Chlordane	3.30	D	0.070	1.00	ug/L
5103-74-2	gamma-Chlordane	1.90	D	0.078	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	29.8	*	43 - 140	149%	SPK: 20
877-09-8	Tetrachloro-m-xylene	30.8	*	77 - 126	154%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/03/25	
Project:	NJ Waste Water PT		Date Received:	03/05/25	
Client Sample ID:	PT-PEST-WPDL2		SDG No.:	Q1502	
Lab Sample ID:	Q1502-09DL2		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094636.D	20	03/11/25 08:39	03/12/25 14:40	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094636.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 14:40
 Operator : AR\AJ
 Sample : Q1502-09DL2 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PT-PEST-WPDL2

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:33:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	4354664	4184859	1.538	1.172m
28) SA Decachlor...	9.049	7.901	3145651	5562791	1.493m	1.377m
Target Compounds						
2) A alpha-BHC	3.992	3.272	111.6E6	146.8E6	26.870	27.233
3) MA gamma-BHC...	4.325	3.602	99183703	128.7E6	24.856	25.046
4) MA Heptachlor	4.912	3.940	80024277	108.4E6	20.616	20.571
5) MB Aldrin	5.254	4.219	172.1E6	245.9E6	46.617	50.421
6) B beta-BHC	4.523	3.903	47688904	59354722	25.845	26.721
7) B delta-BHC	4.771	4.131	271.3E6	396.6E6	69.661	79.286
8) B Heptachlo...	5.681	4.722	159.9E6	234.5E6	47.787	51.225
9) A Endosulfan I	6.066	5.091	241.8E6	386.8E6	78.749	88.142
10) B gamma-Chl...	5.936	4.971	31357869	42136342	9.307	8.727
11) B alpha-Chl...	6.015	5.035	54708547	77182234	16.594	16.171
12) B 4,4'-DDE	6.189	5.224	100.6E6	159.3E6	34.189	34.267
13) MA Dieldrin	6.341	5.355	152.8E6	248.5E6	47.764	51.222
14) MA Endrin	6.571	5.630	217.0E6	391.5E6	78.270	89.714
15) B Endosulfa...	6.791	5.926	93903963	155.6E6	34.590	35.957
16) A 4,4'-DDD	6.707	5.778	105.8E6	187.9E6	48.833	52.258
17) MA 4,4'-DDT	7.020	6.028	64893533	111.8E6	27.283	27.725
18) B Endrin al...	6.921	6.105	180.8E6	317.6E6	85.634	94.377
19) B Endosulfa...	7.156	6.328	124.2E6	222.1E6	51.050	54.521
20) A Methoxychlor	7.497	6.604	54244230	96075885	45.314	45.296
21) B Endrin ke...	7.641	6.833	237.0E6	460.2E6	89.662	96.429

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 14:40
Operator : AR\AJ
Sample : Q1502-09DL2 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PT-PEST-WPDL2

Manual Integrations

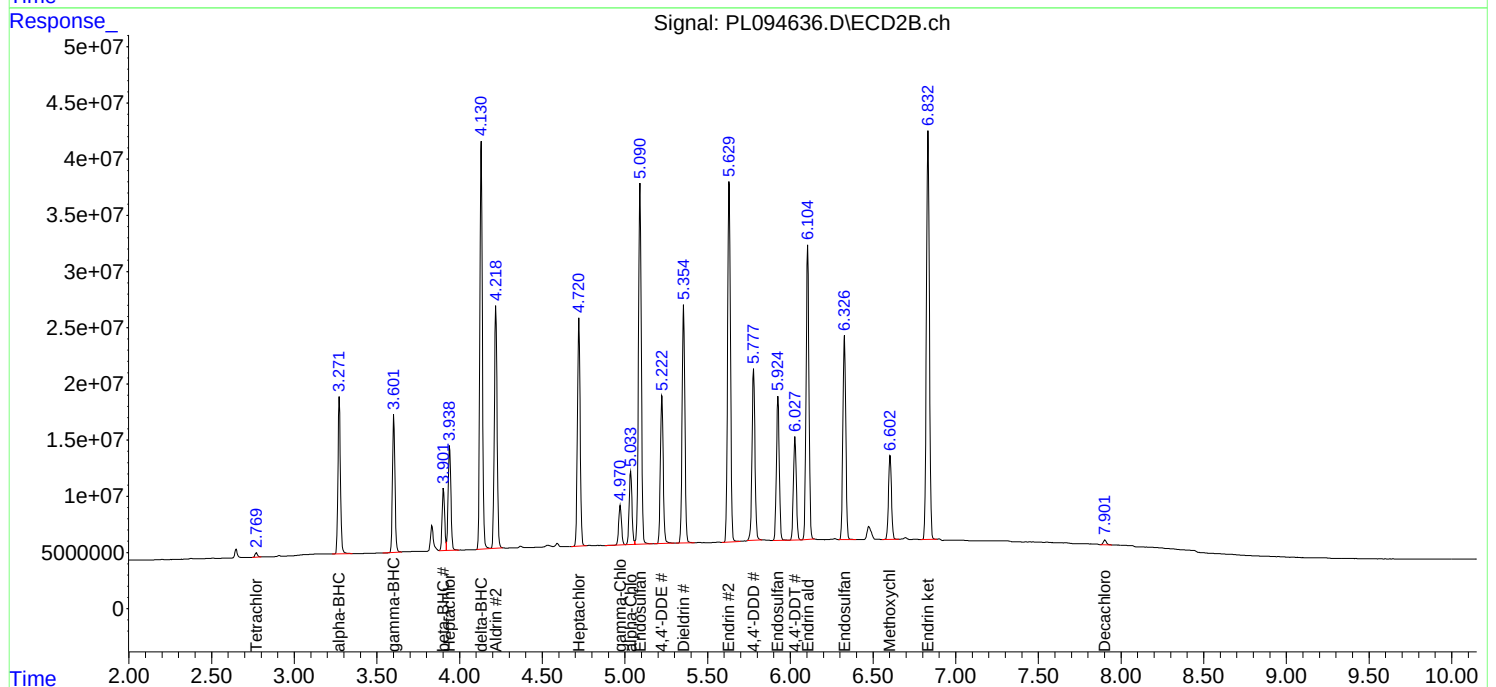
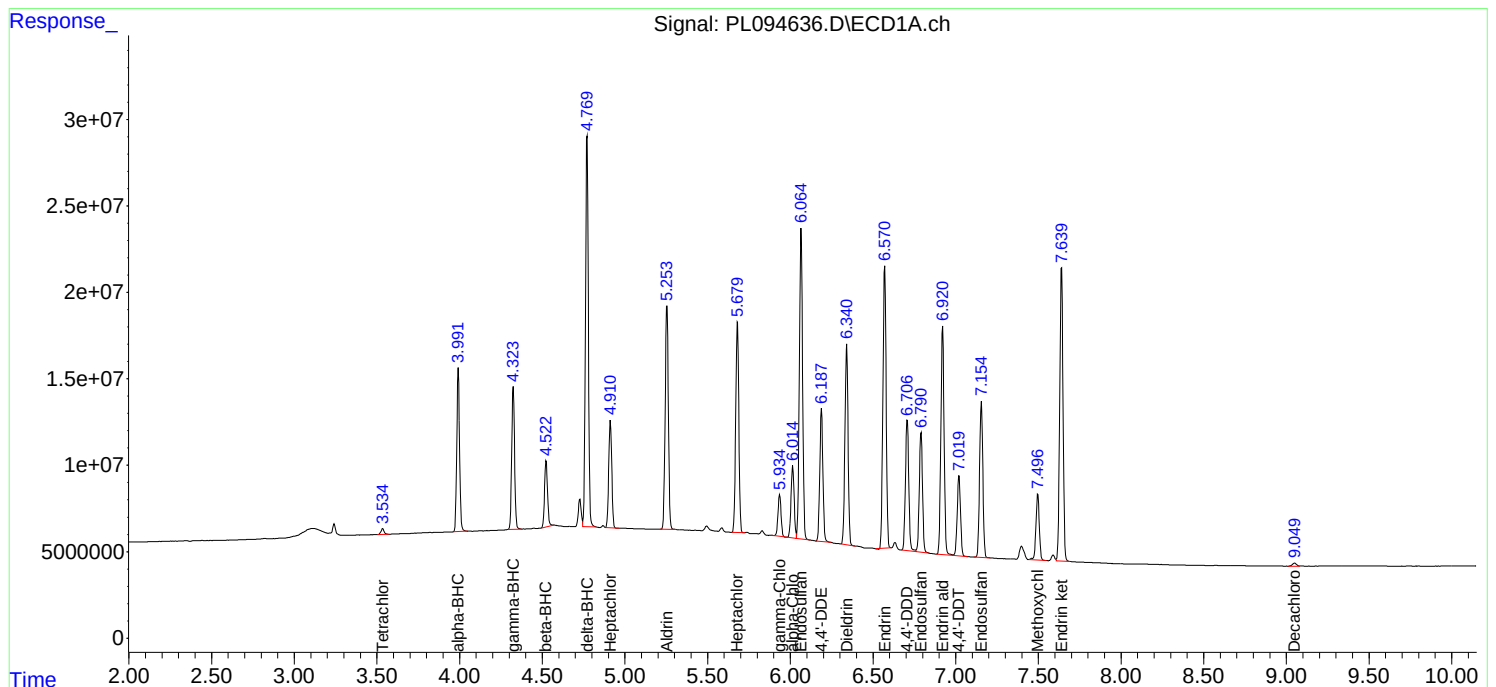
APPROVED

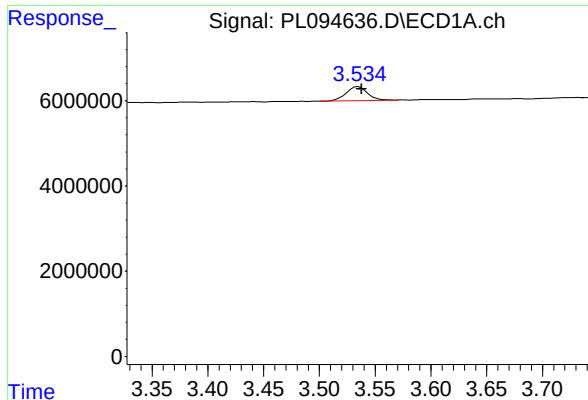
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:33:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





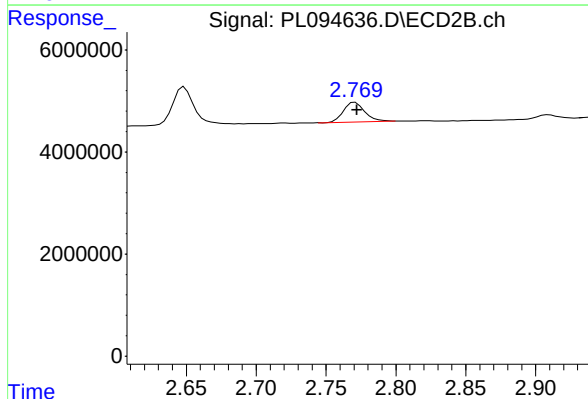
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 4354664
Conc: 1.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

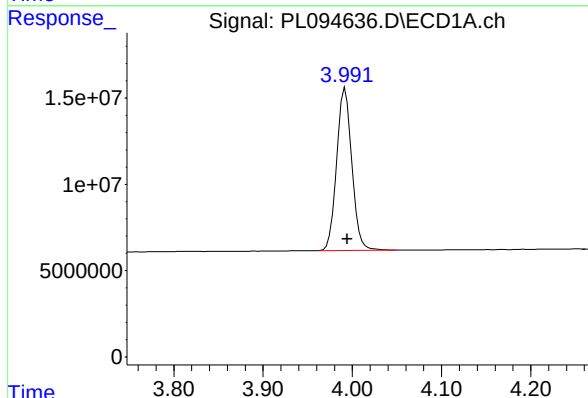
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



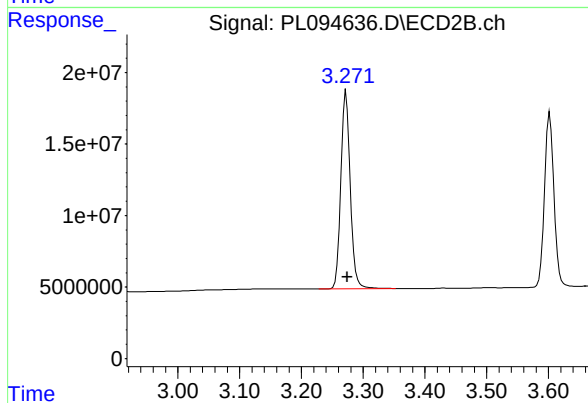
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 4184859
Conc: 1.17 ng/ml



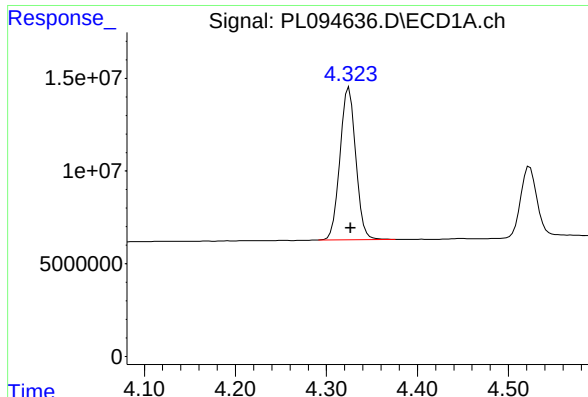
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 111571395
Conc: 26.87 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 146825180
Conc: 27.23 ng/ml



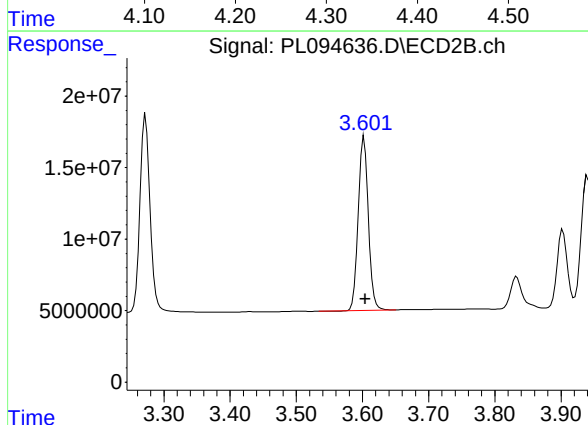
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 99183703
Conc: 24.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

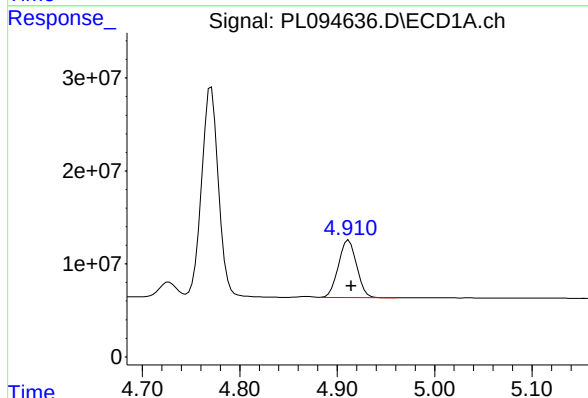
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



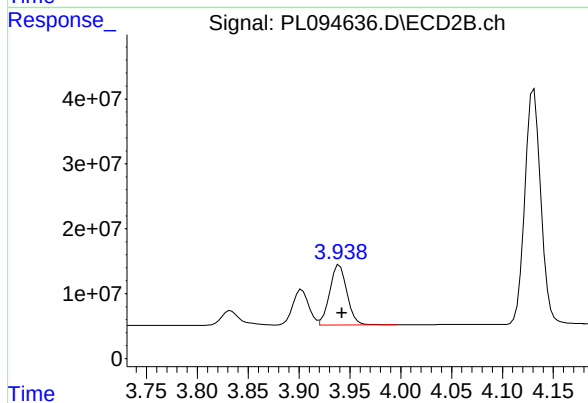
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 128721800
Conc: 25.05 ng/ml



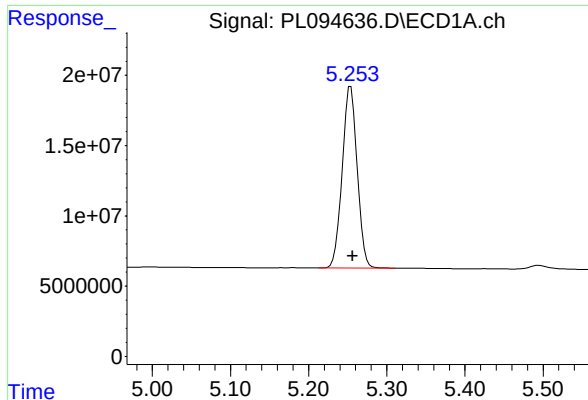
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 80024277
Conc: 20.62 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 108382189
Conc: 20.57 ng/ml



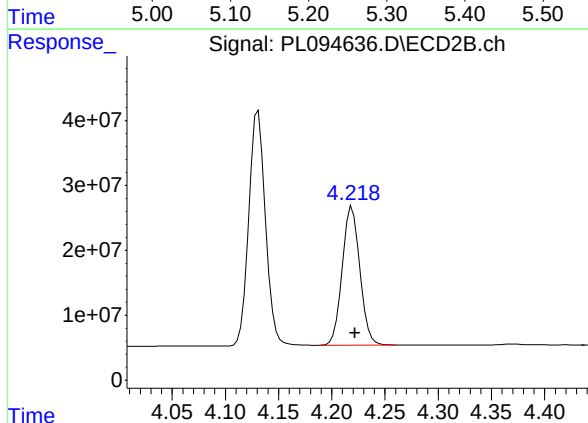
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 172119493
Conc: 46.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

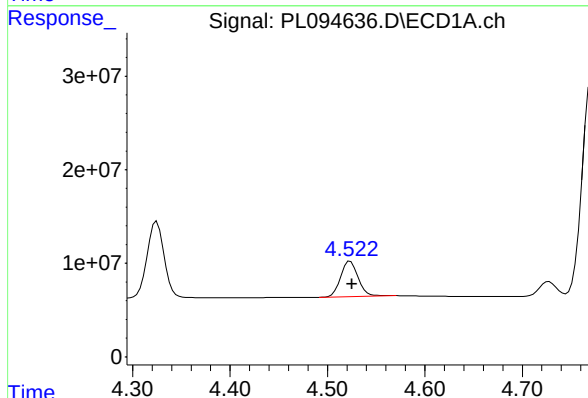
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



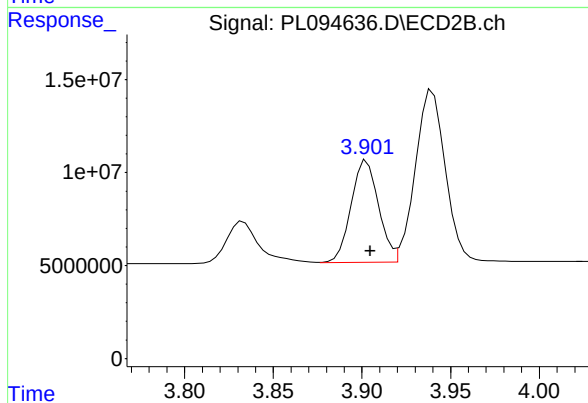
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 245870359
Conc: 50.42 ng/ml



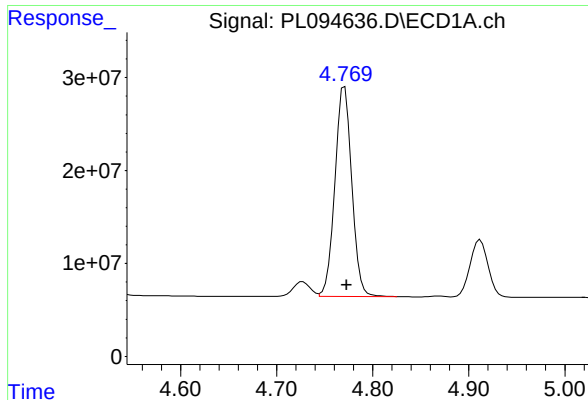
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 47688904
Conc: 25.84 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 59354722
Conc: 26.72 ng/ml



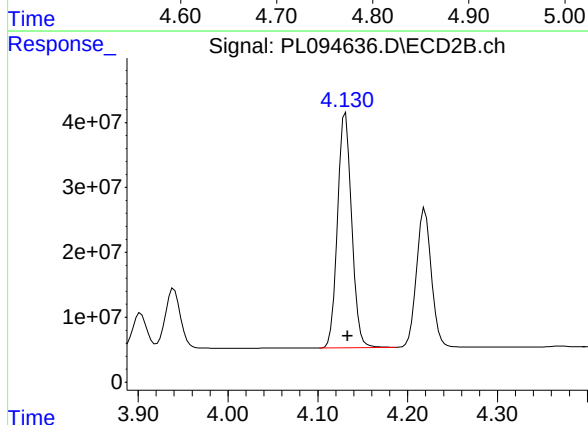
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.002 min
Response: 271279984
Conc: 69.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

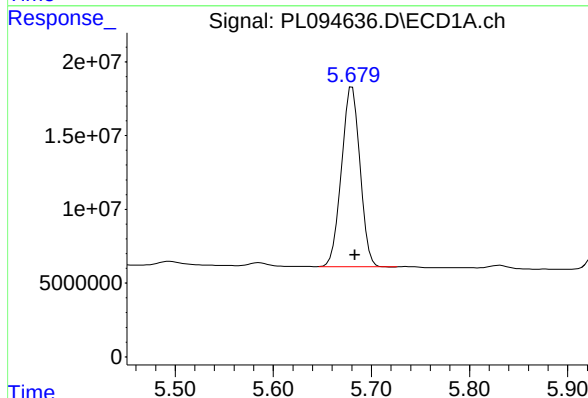
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



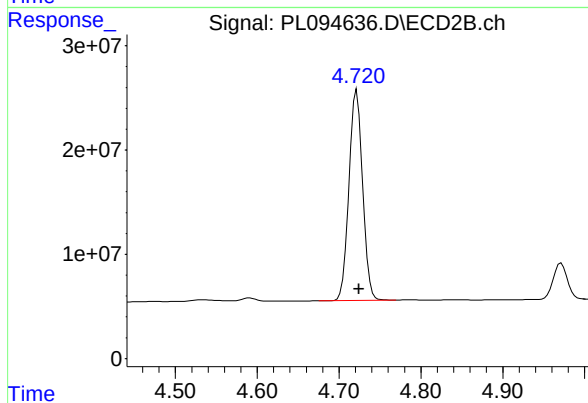
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 396586975
Conc: 79.29 ng/ml



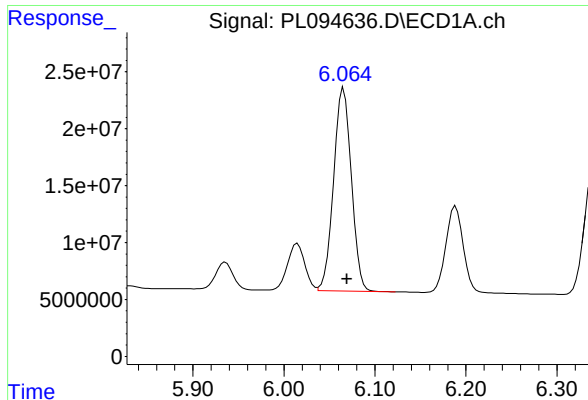
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.003 min
Response: 159855620
Conc: 47.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.003 min
Response: 234536287
Conc: 51.22 ng/ml



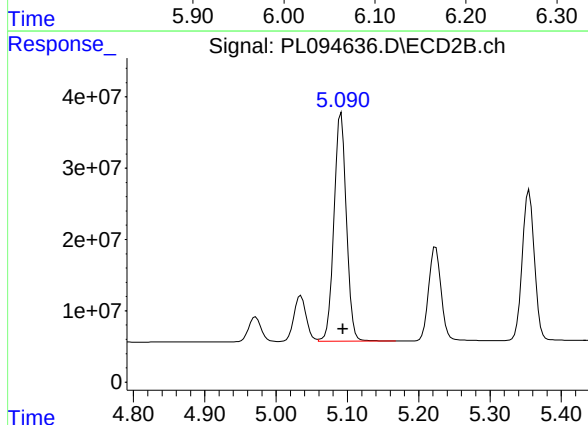
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 241776156
Conc: 78.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

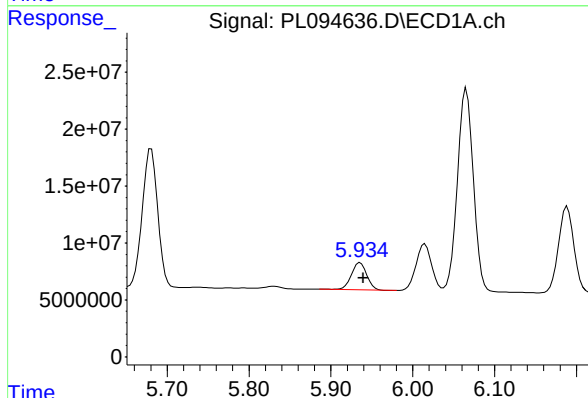
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



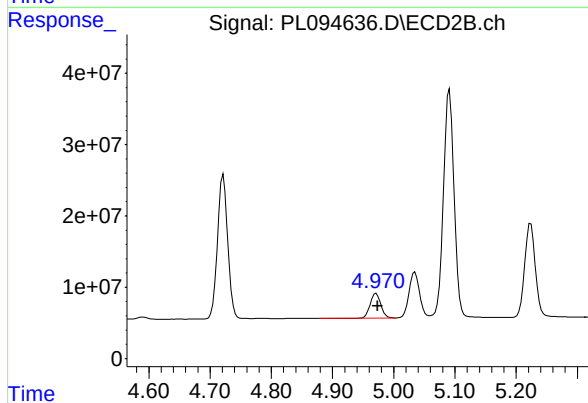
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 386833051
Conc: 88.14 ng/ml



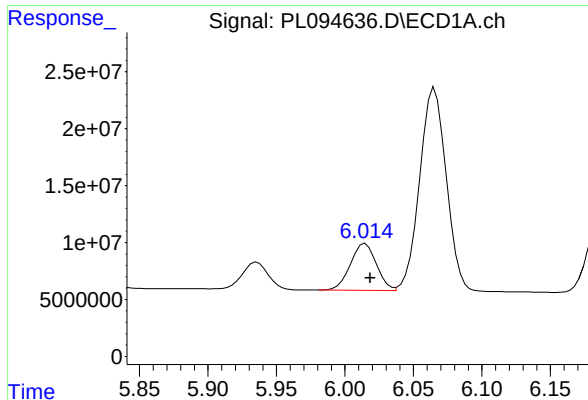
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 31357869
Conc: 9.31 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 42136342
Conc: 8.73 ng/ml



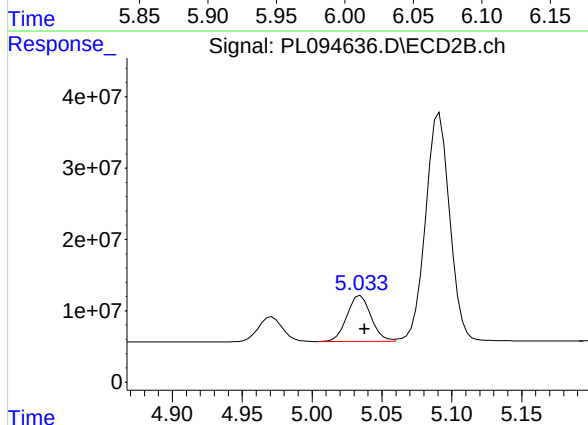
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 54708547
Conc: 16.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

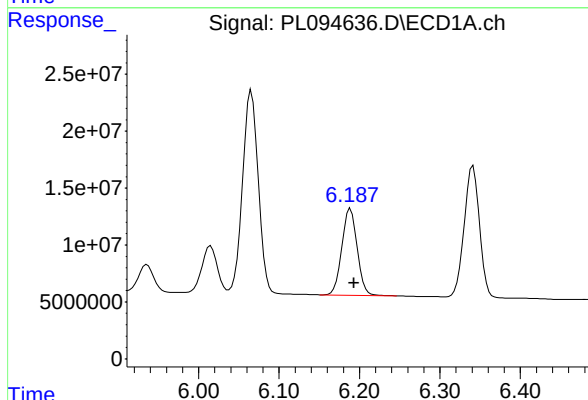
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



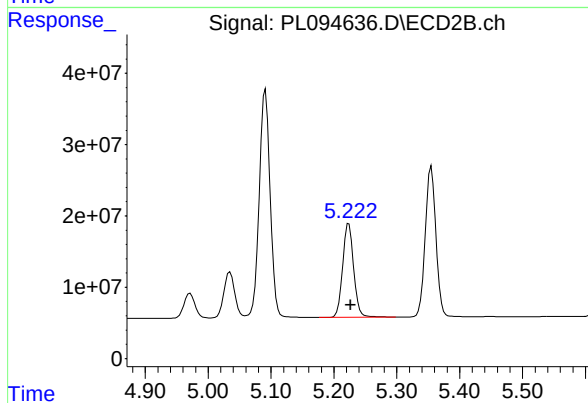
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 77182234
Conc: 16.17 ng/ml



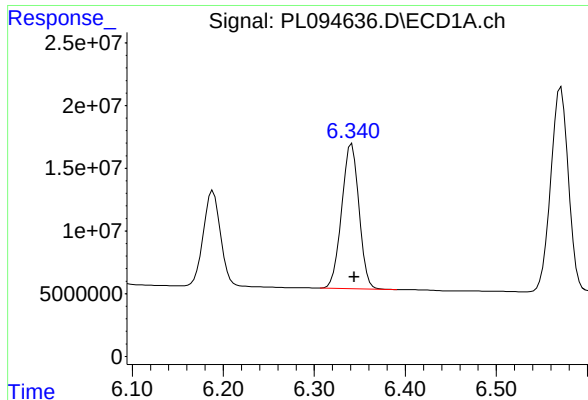
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 100585181
Conc: 34.19 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.003 min
Response: 159290973
Conc: 34.27 ng/ml



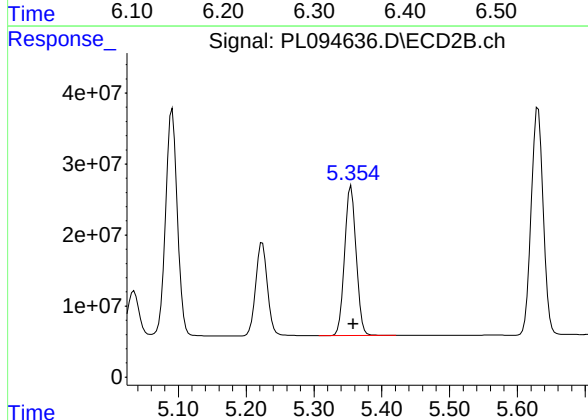
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 152754742
Conc: 47.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

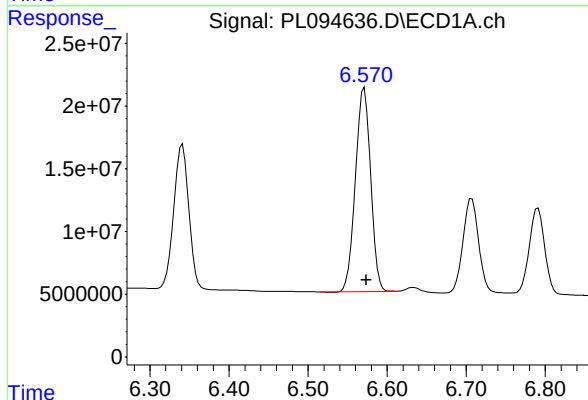
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



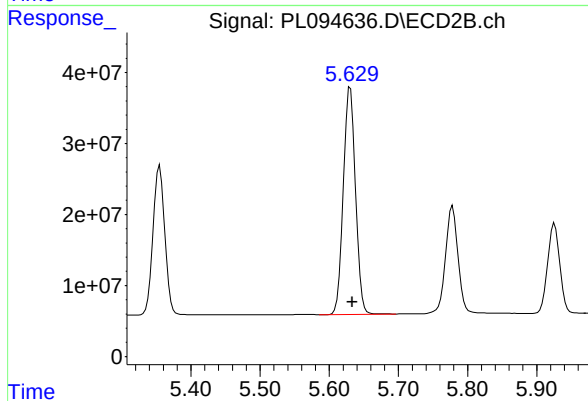
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 248521620
Conc: 51.22 ng/ml



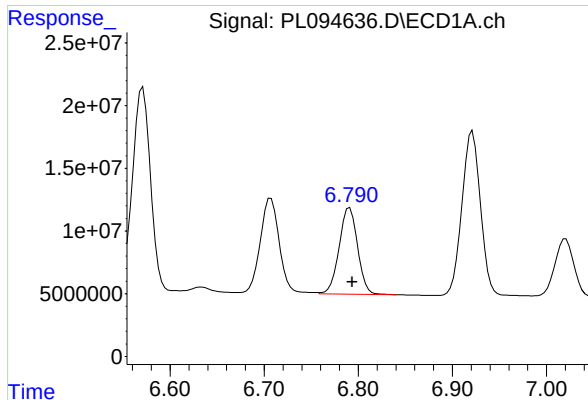
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 216970981
Conc: 78.27 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 391480421
Conc: 89.71 ng/ml



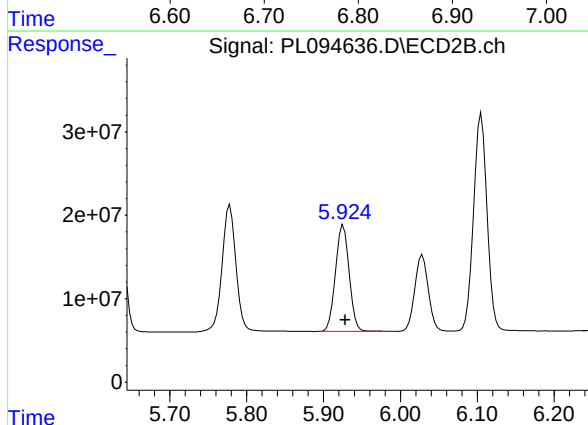
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.003 min
Response: 93903963
Conc: 34.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

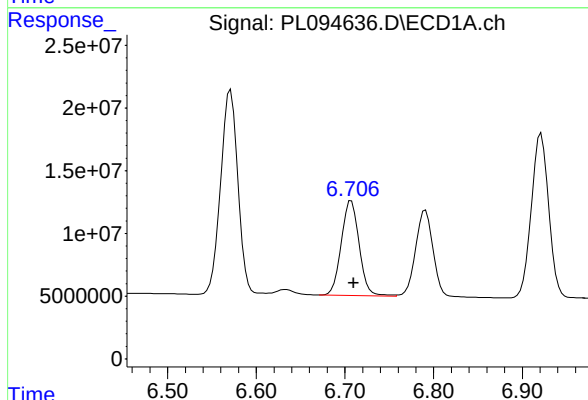
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



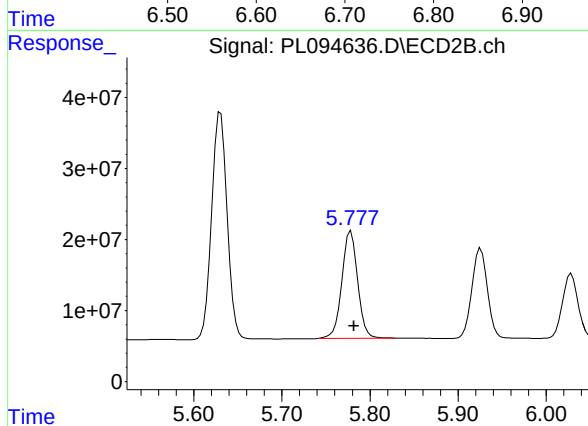
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 155633077
Conc: 35.96 ng/ml



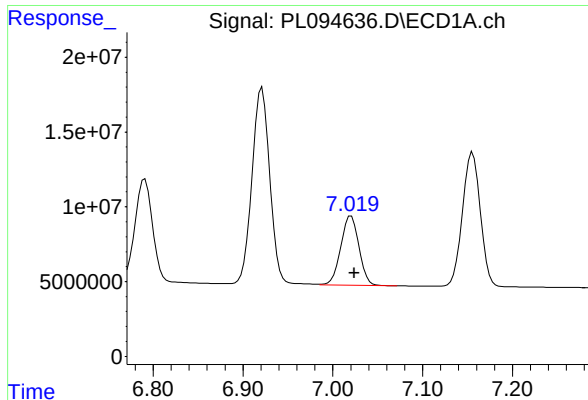
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 105775860
Conc: 48.83 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 187914805
Conc: 52.26 ng/ml



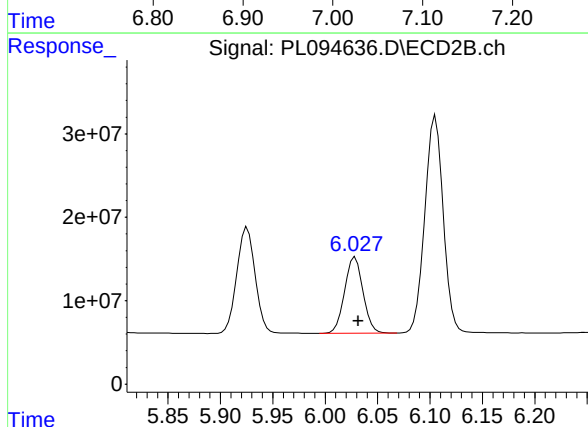
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 64893533
Conc: 27.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

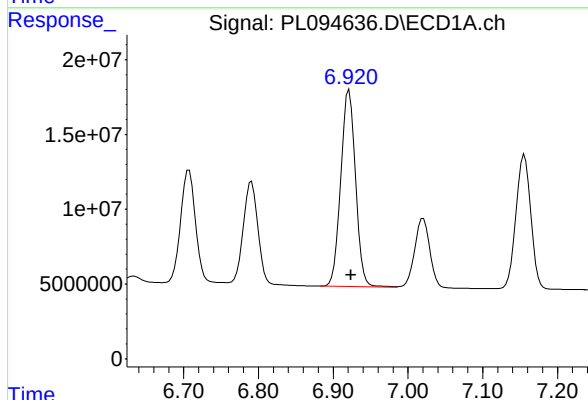
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



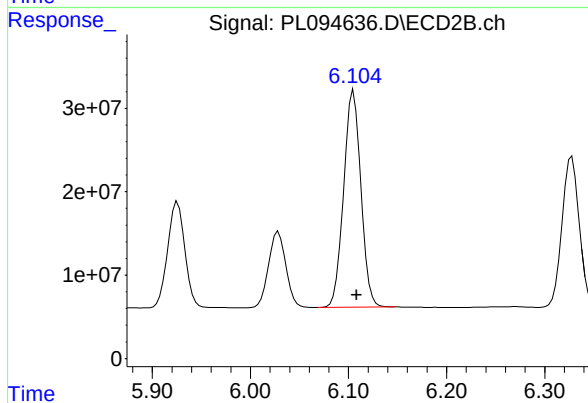
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 111791571
Conc: 27.73 ng/ml



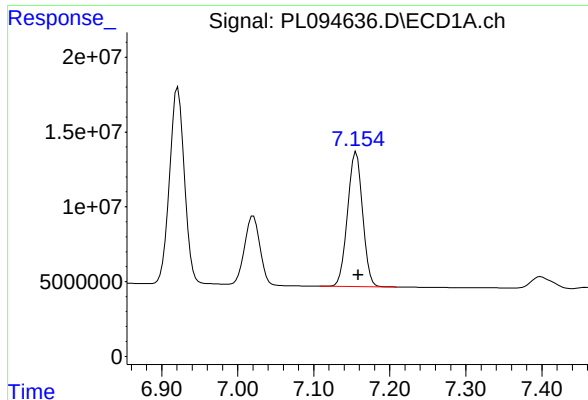
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 180771815
Conc: 85.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 317614452
Conc: 94.38 ng/ml



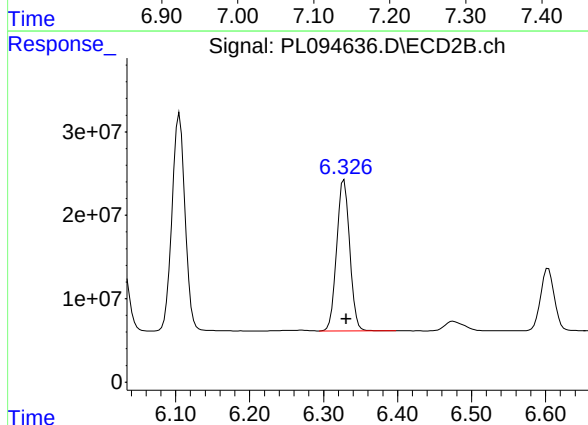
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 124154844
Conc: 51.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

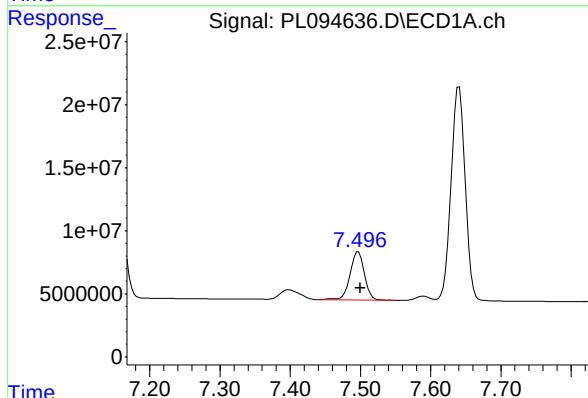
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



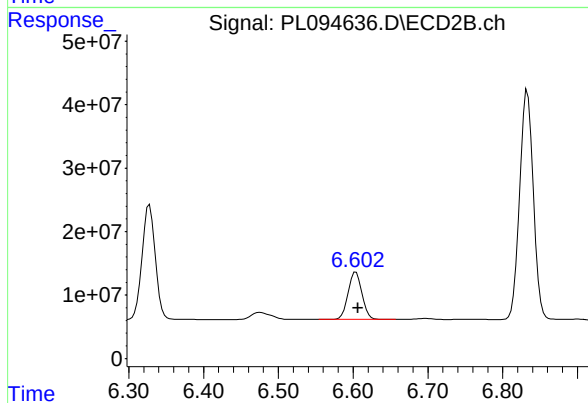
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 222087386
Conc: 54.52 ng/ml



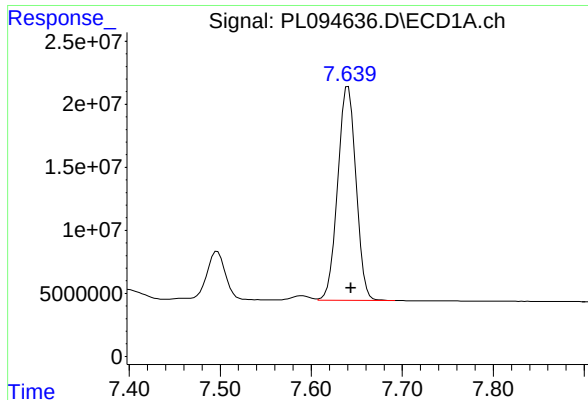
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.003 min
Response: 54244230
Conc: 45.31 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 96075885
Conc: 45.30 ng/ml



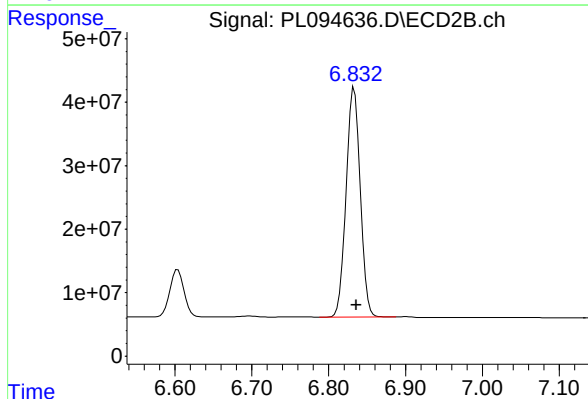
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 23700911
Conc: 89.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PT-PEST-WPDL2

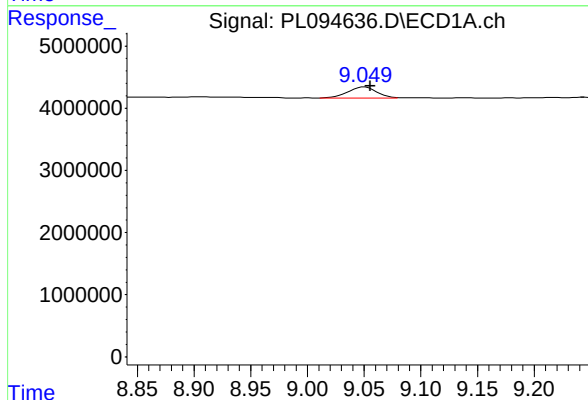
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



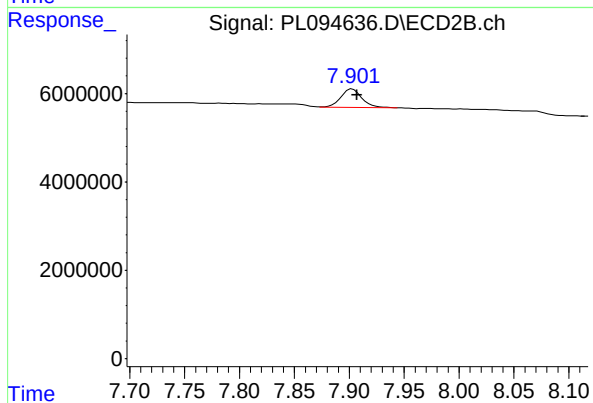
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 460214538
Conc: 96.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 3145651
Conc: 1.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.005 min
Response: 5562791
Conc: 1.38 ng/ml m



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_L
Calibration Date(s): 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29
GC Column: ZB-MR1 **ID:** 0.32 (mm)

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ALLI03
Lab Code: CHEM **Case No.:** Q1502 **SAS No.:** Q1502 **SDG NO.:** Q1502
Instrument ID: ECD_L
Calibration Date(s): 03/11/2025 03/11/2025
Calibration Times: 10:35 11:29
GC Column: ZB-MR2 **ID:** 0.32 (mm)

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

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Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

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

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

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

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

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

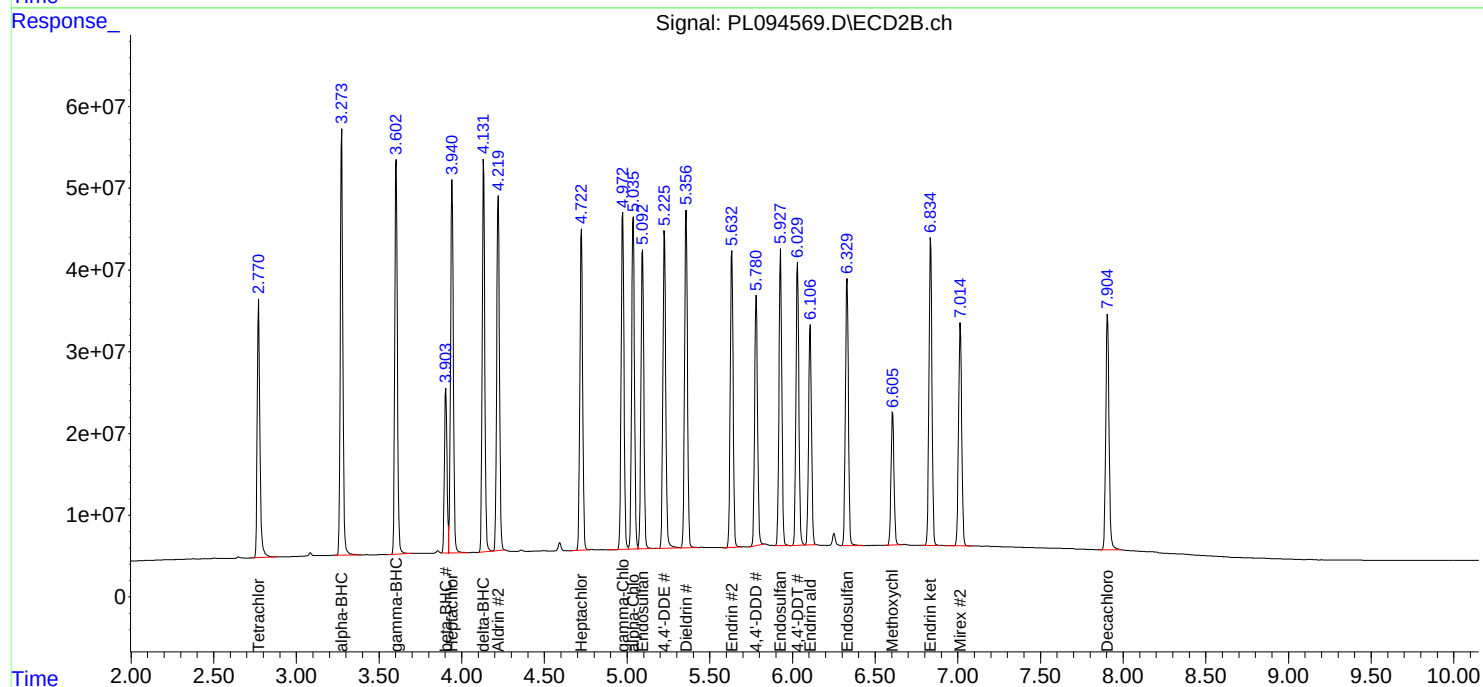
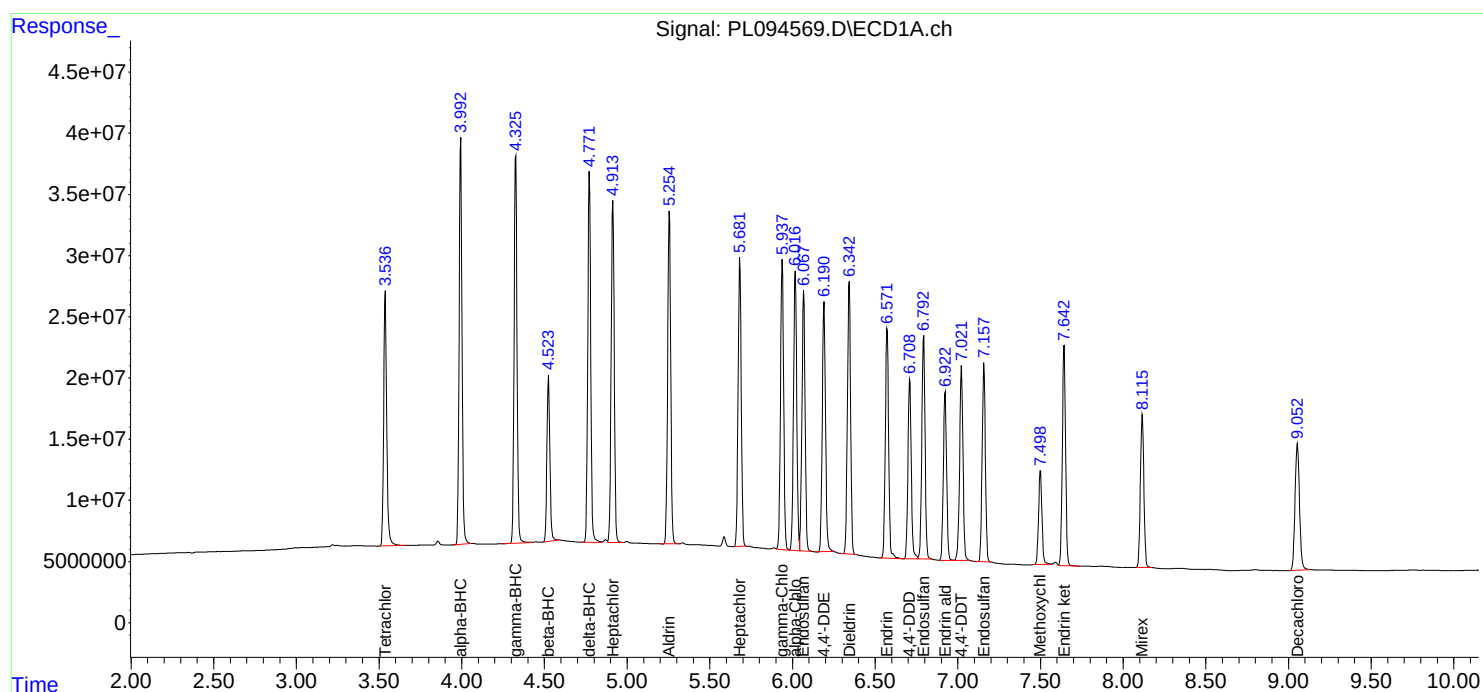
Manual Integrations

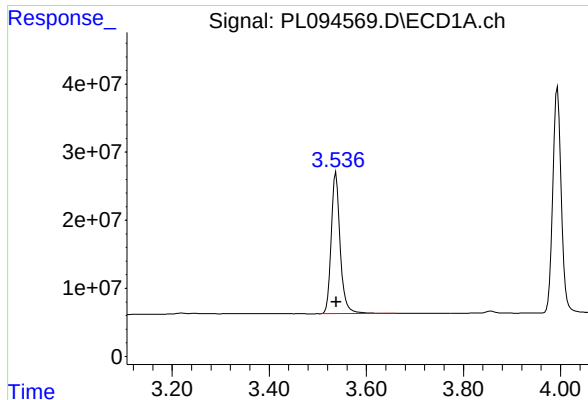
APPROVED

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

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

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





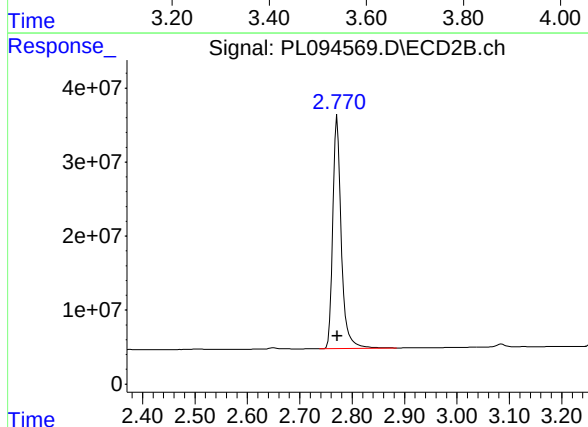
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

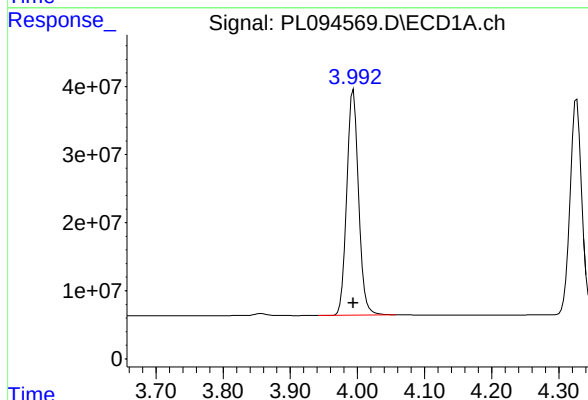
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



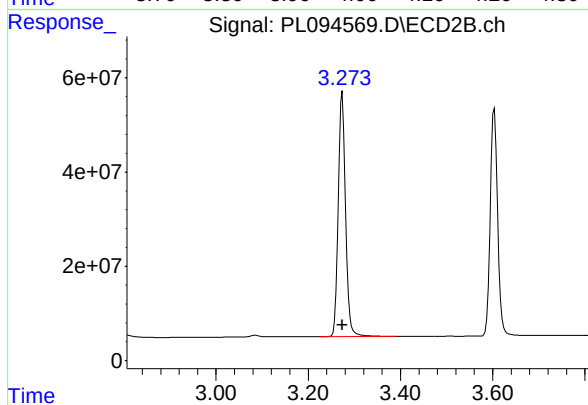
#1 Tetrachloro-m-xylene

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



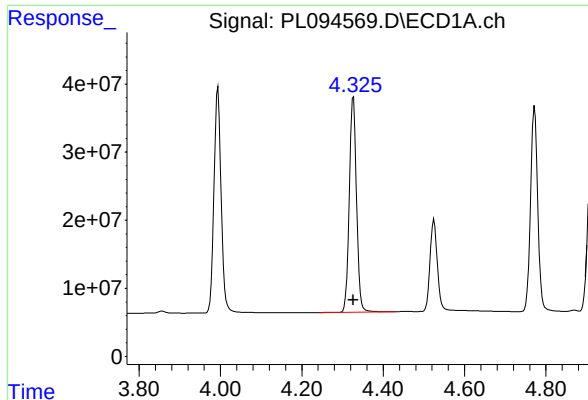
#2 alpha-BHC

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



#2 alpha-BHC

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



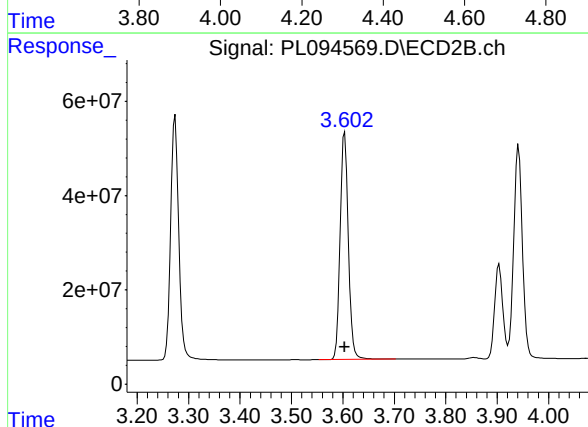
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

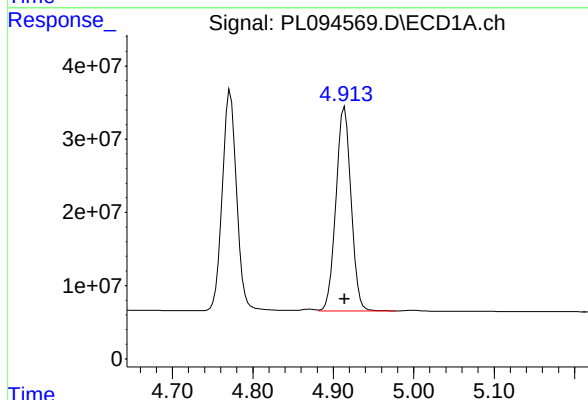
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



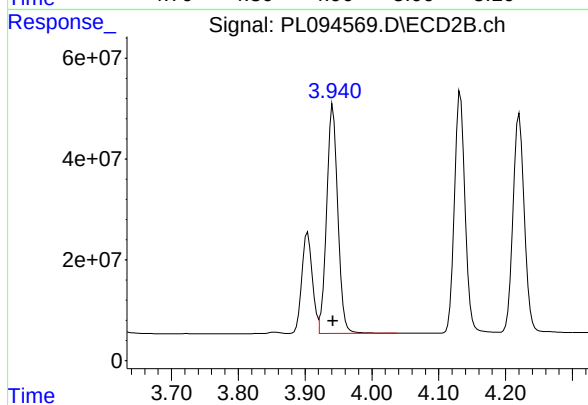
#3 gamma-BHC (Lindane)

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



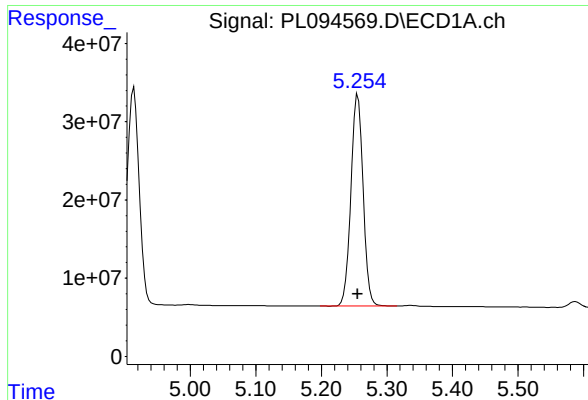
#4 Heptachlor

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



#4 Heptachlor

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



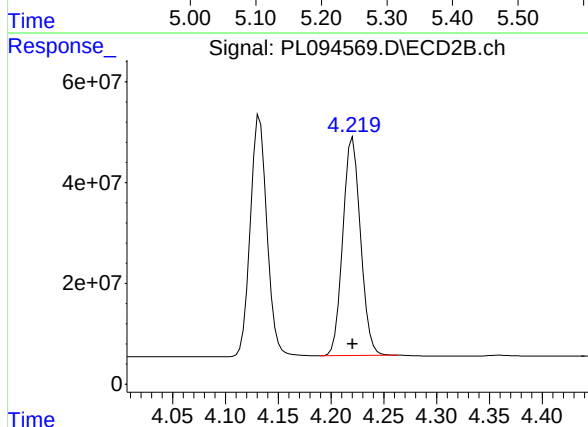
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

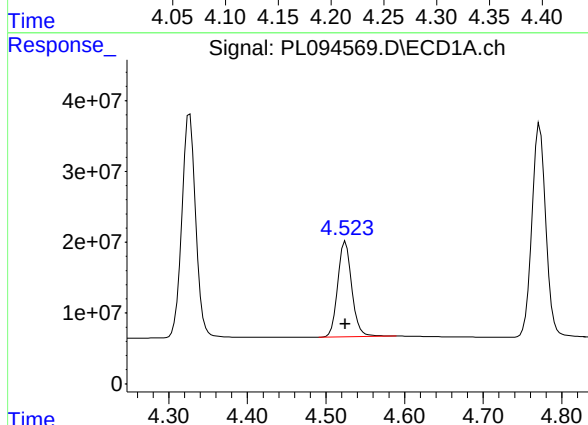
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



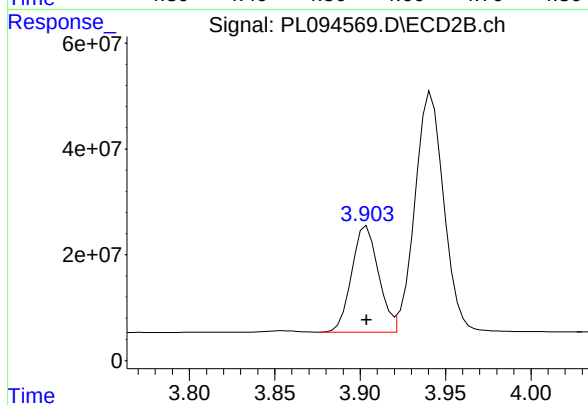
#5 Aldrin

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



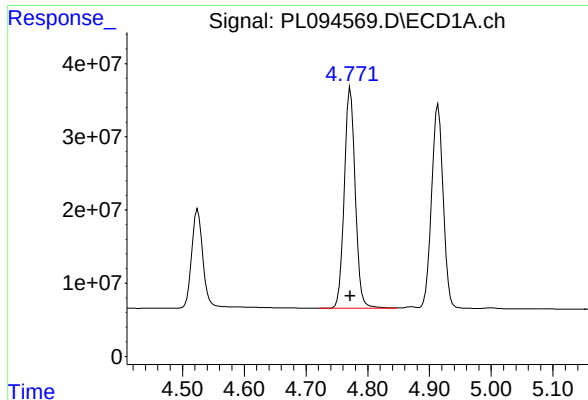
#6 beta-BHC

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



#6 beta-BHC

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



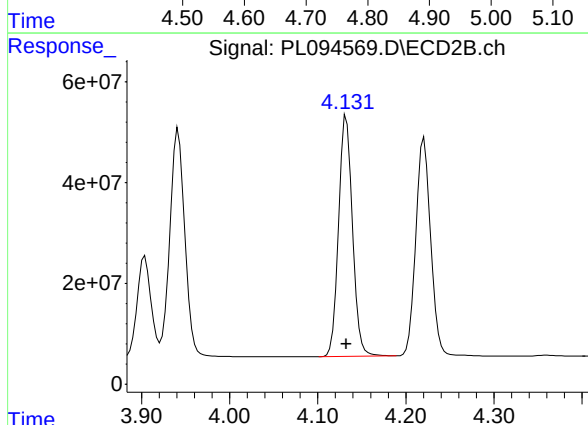
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

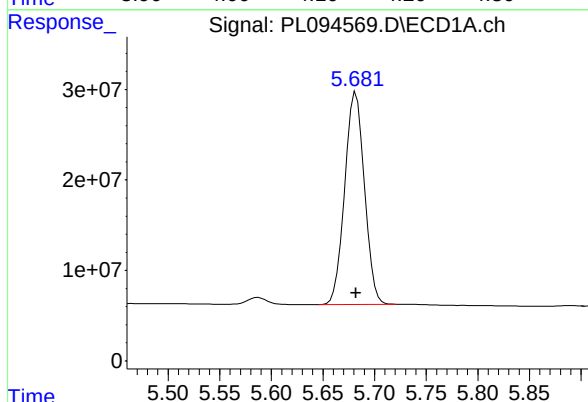
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



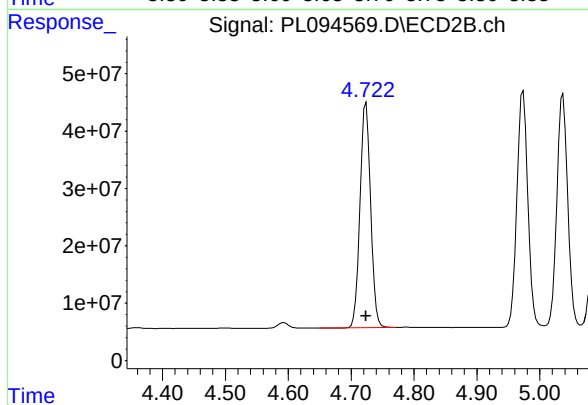
#7 delta-BHC

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



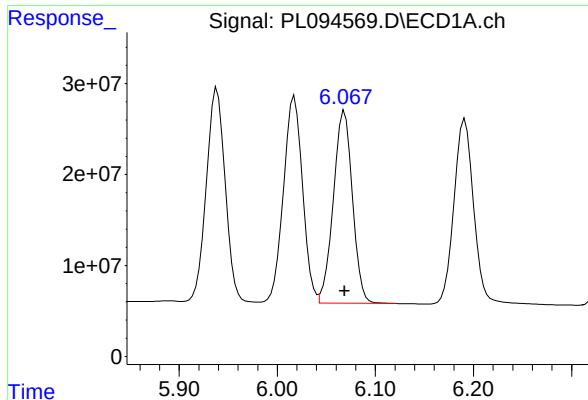
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



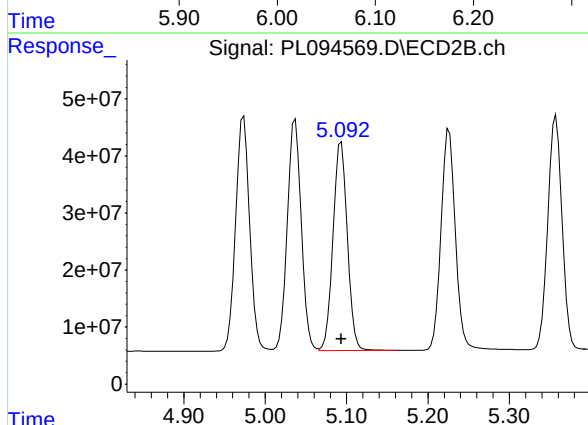
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

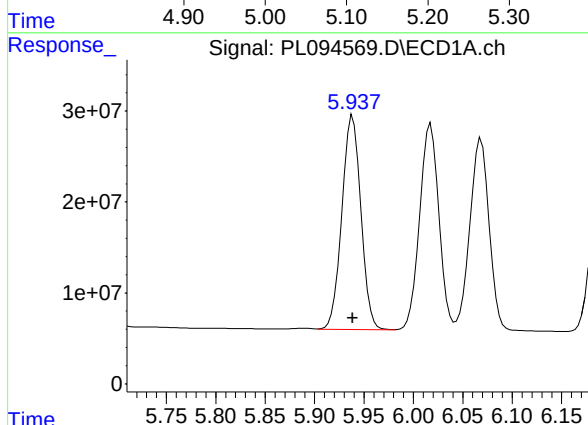
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



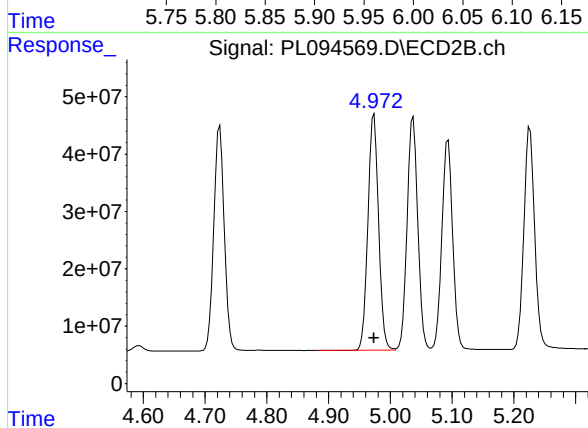
#9 Endosulfan I

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



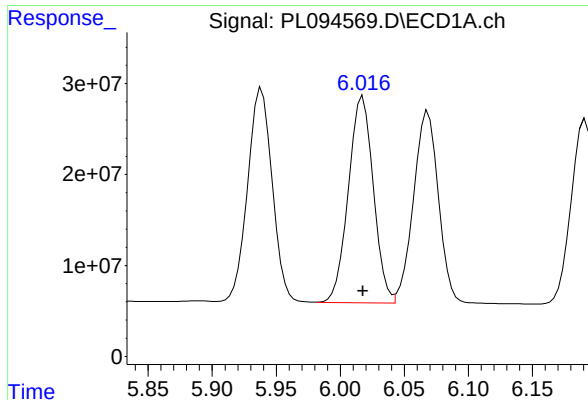
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



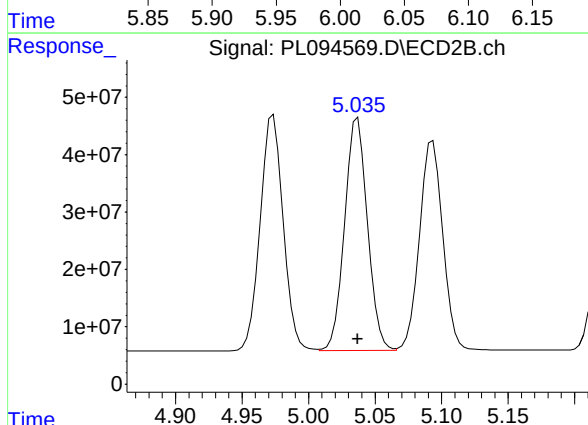
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

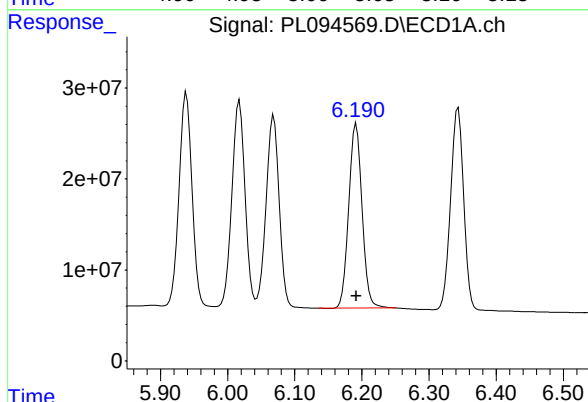
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



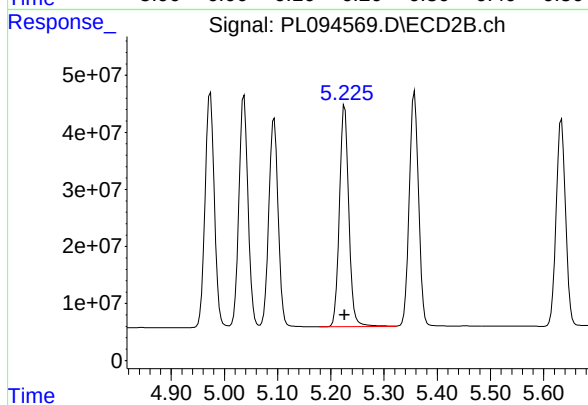
#11 alpha-Chlordane

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



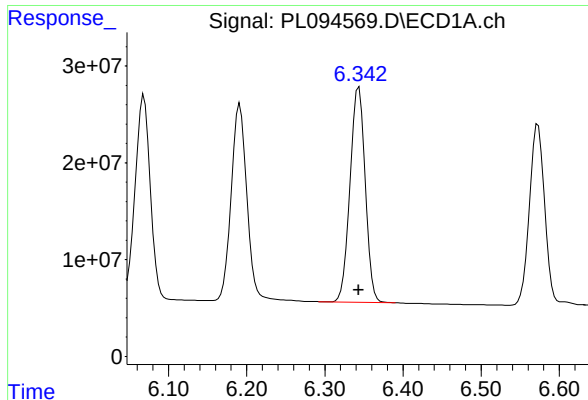
#12 4,4'-DDE

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



#12 4,4'-DDE

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



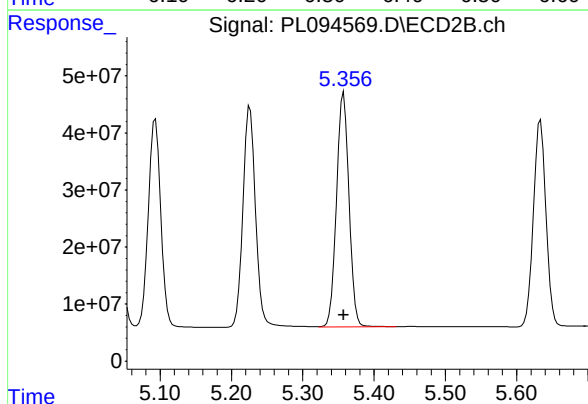
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

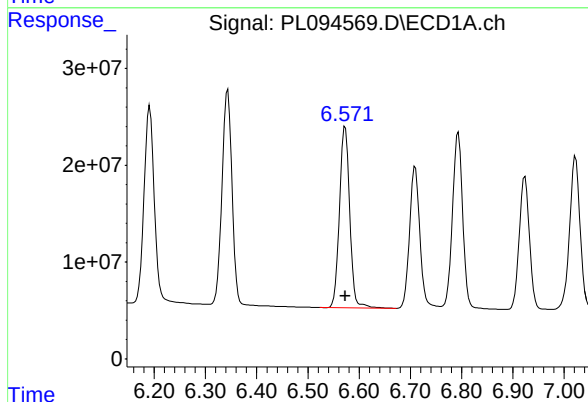
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



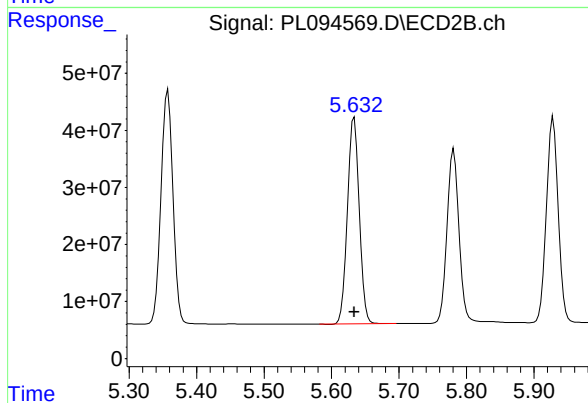
#13 Dieldrin

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



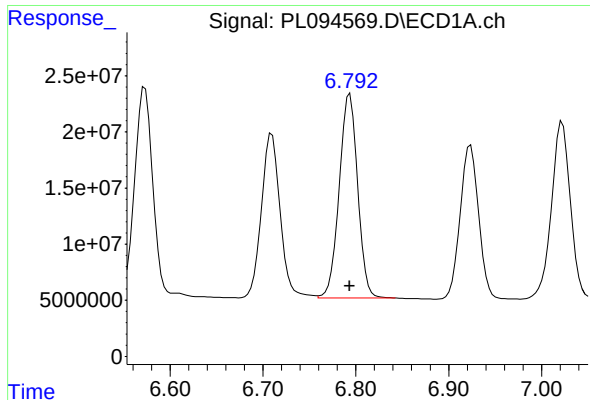
#14 Endrin

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



#14 Endrin

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



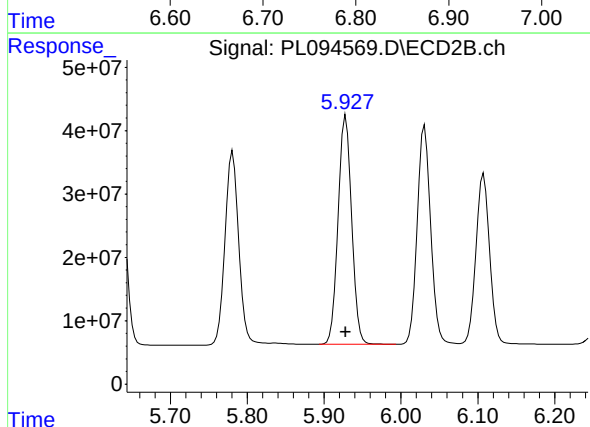
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

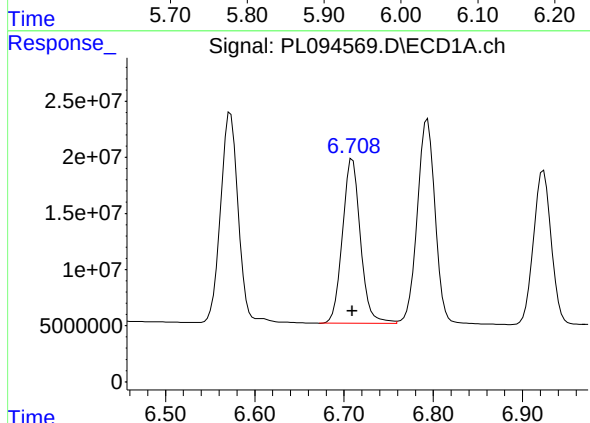
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



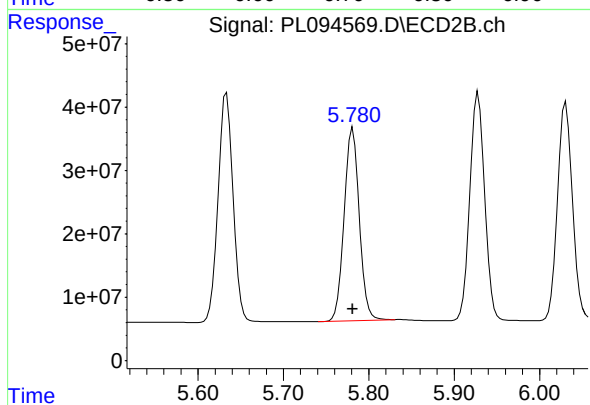
#15 Endosulfan II

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



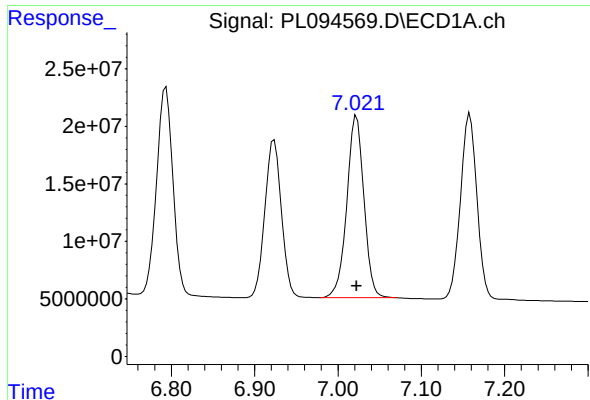
#16 4,4'-DDD

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



#16 4,4'-DDD

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



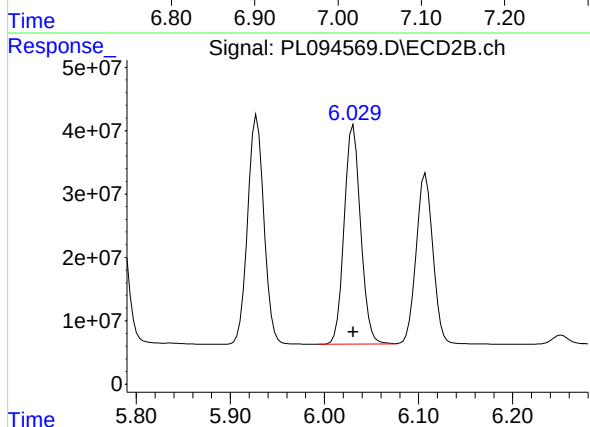
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

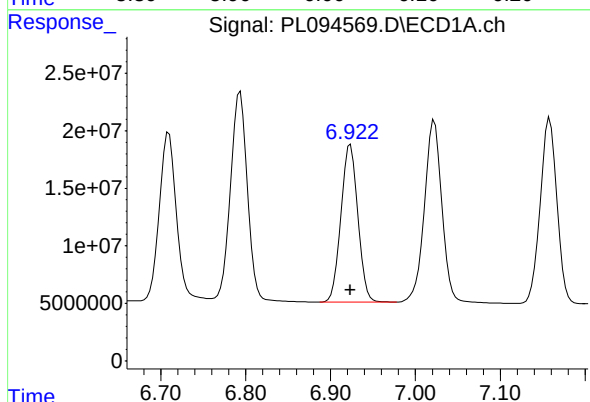
Manual Integrations
APPROVED

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



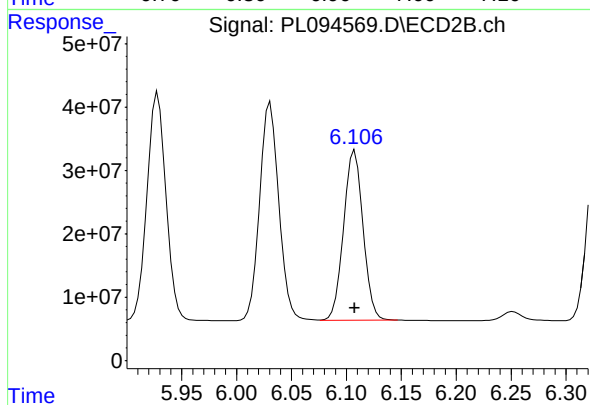
#17 4,4'-DDT

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



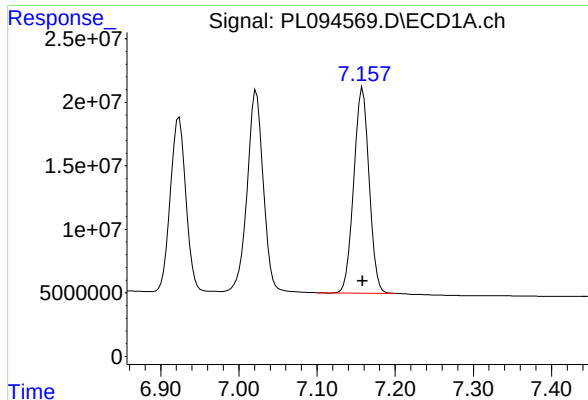
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



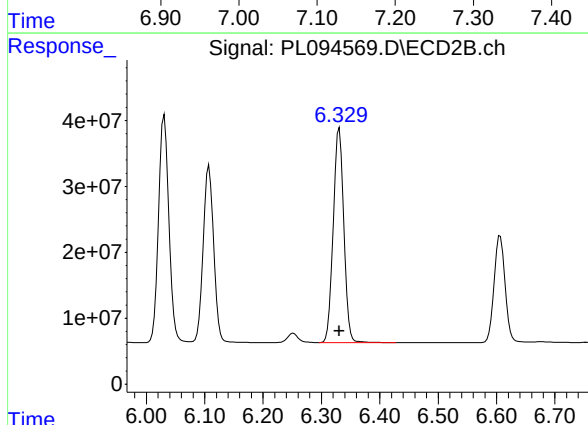
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

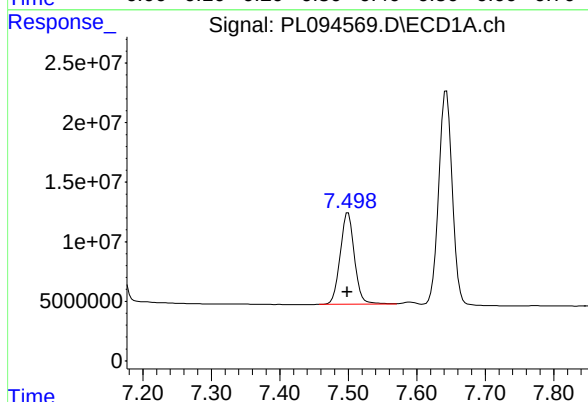
Manual Integrations
APPROVED

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



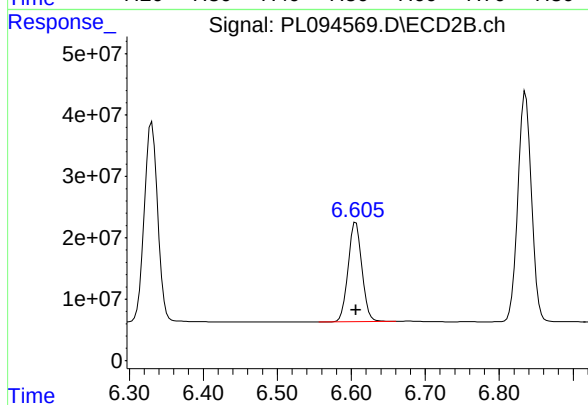
#19 Endosulfan Sulfate

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



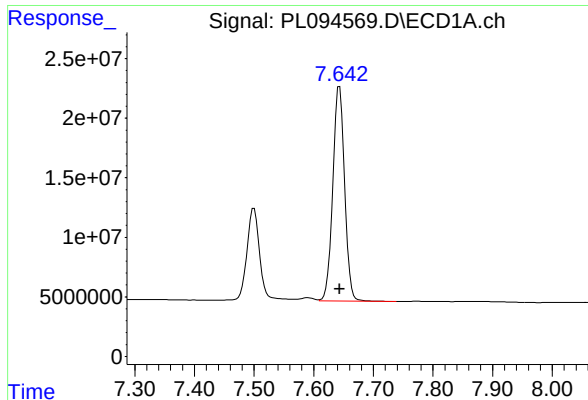
#20 Methoxychlor

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



#20 Methoxychlor

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



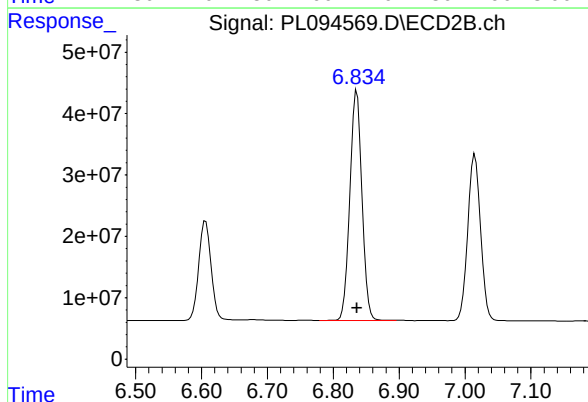
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

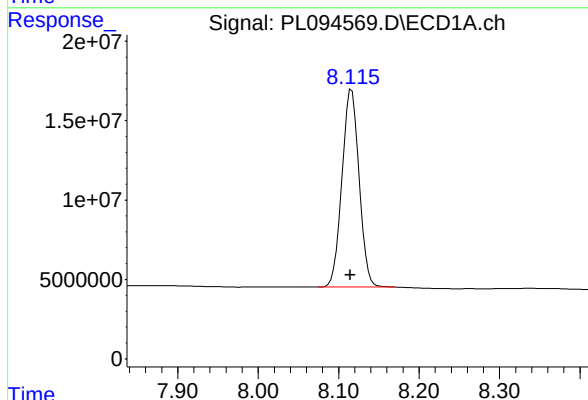
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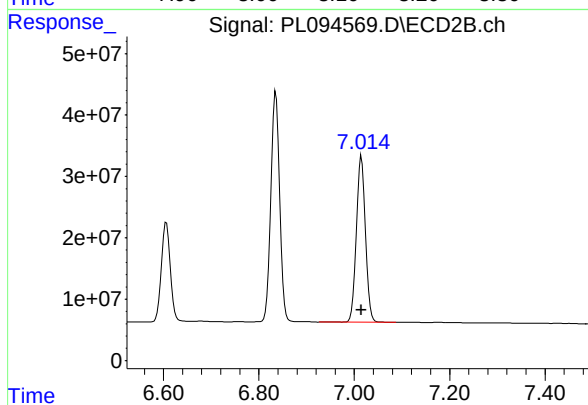
#21 Endrin ketone

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



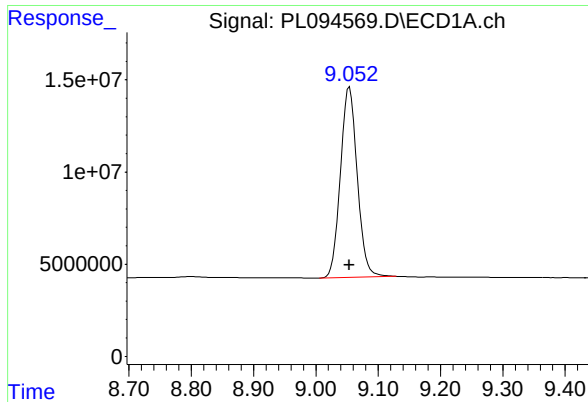
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

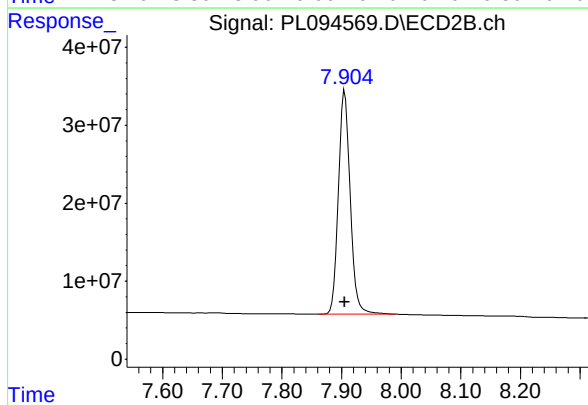
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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#28 Decachlorobiphenyl

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

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Supervised By :Ankita Jodhani 03/12/2025

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

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

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

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

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

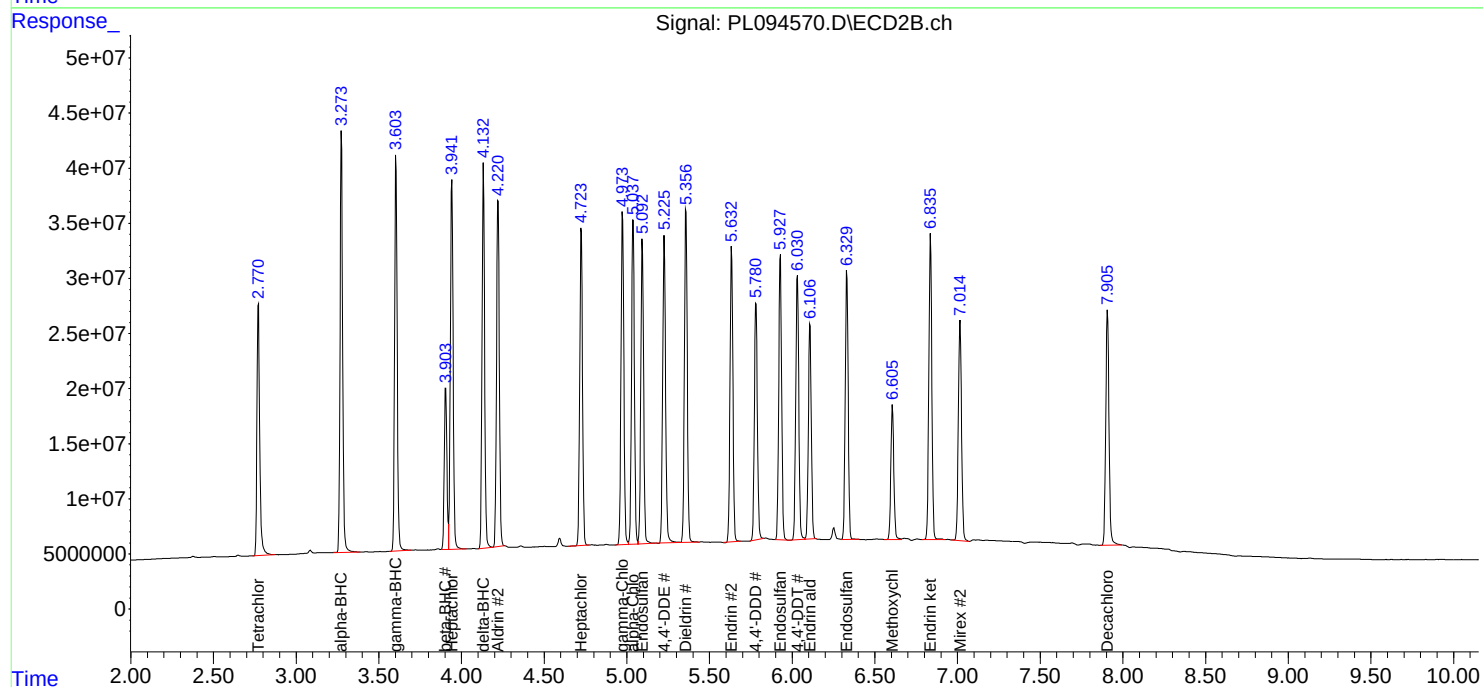
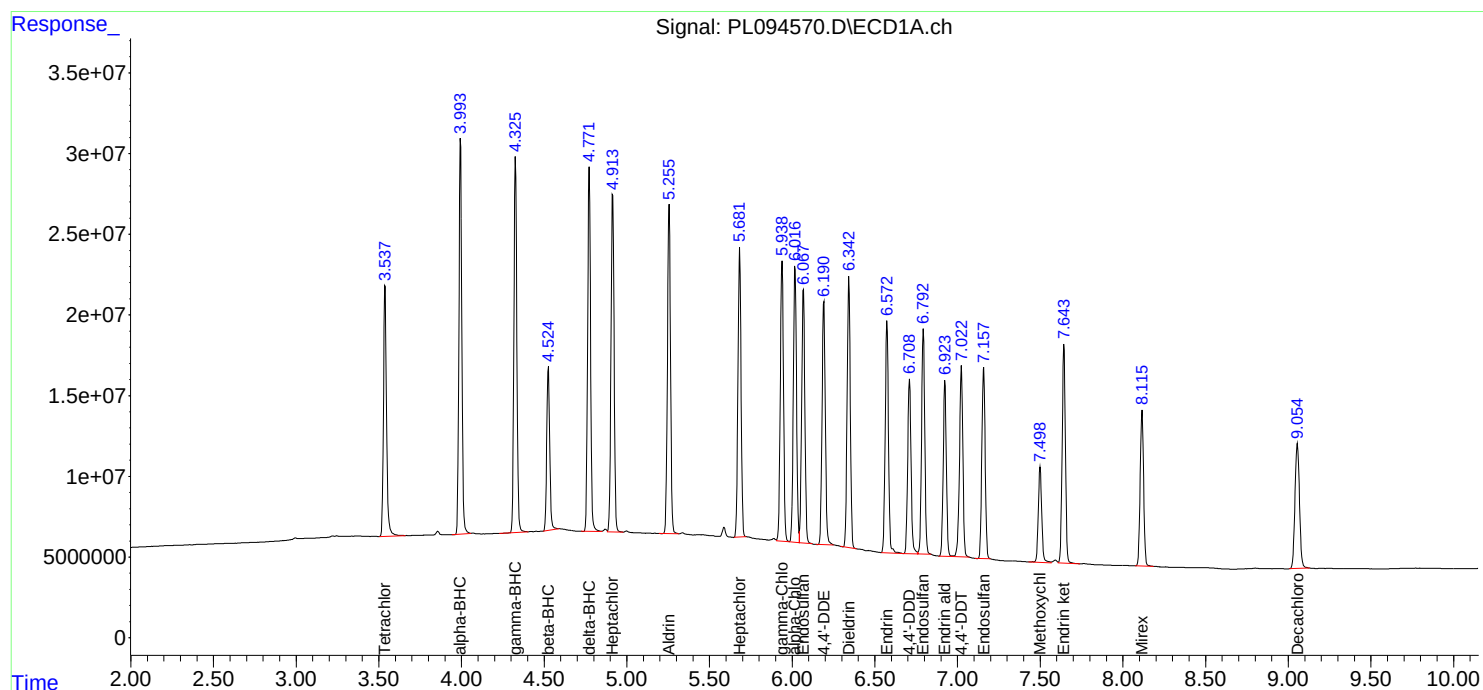
Manual Integrations

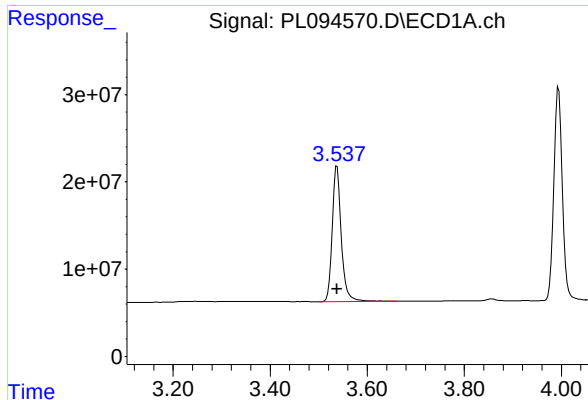
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Supervised By :Ankita Jodhani 03/12/2025

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

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





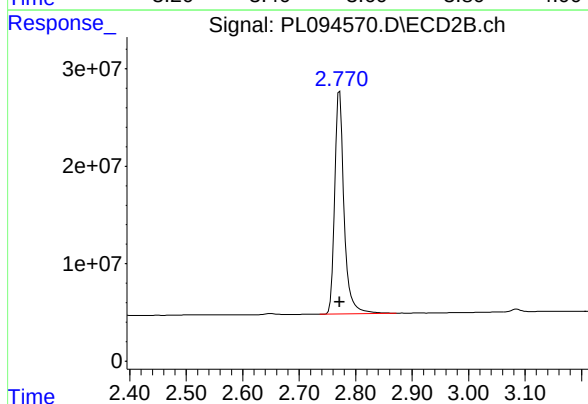
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

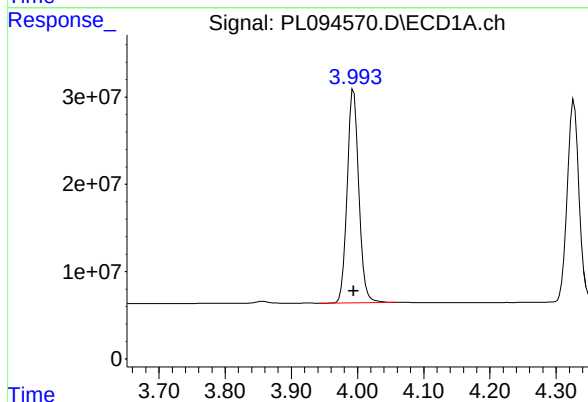
Manual Integrations
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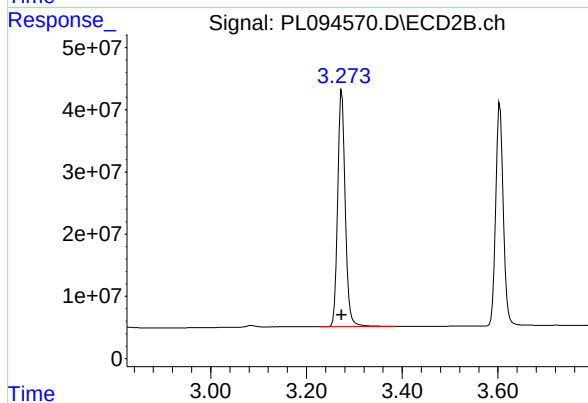
#1 Tetrachloro-m-xylene

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



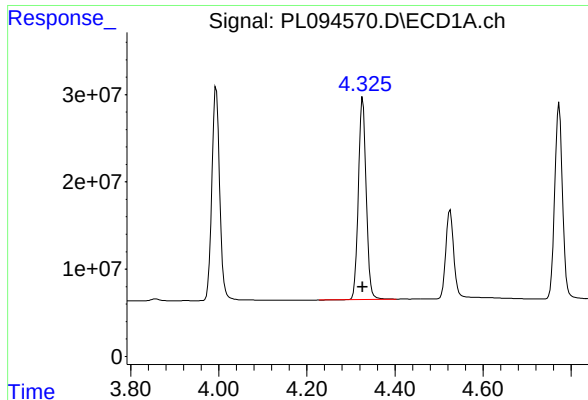
#2 alpha-BHC

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



#2 alpha-BHC

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



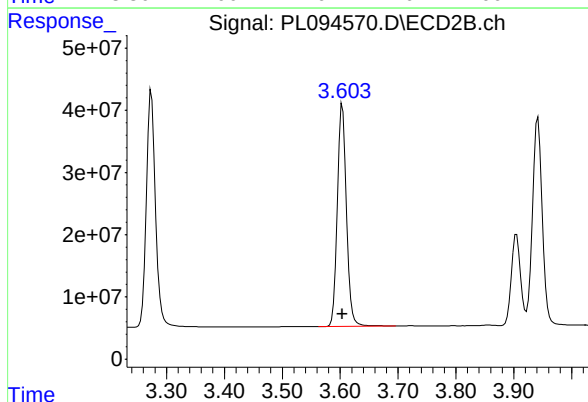
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

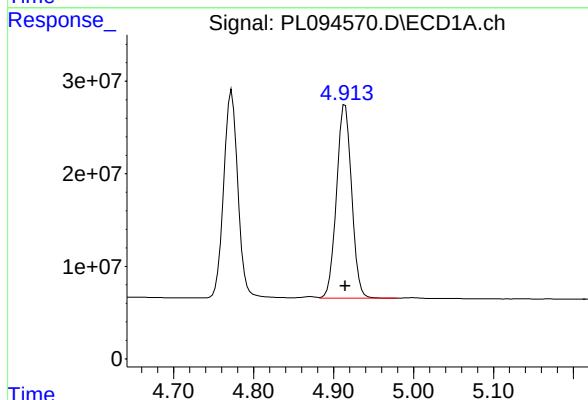
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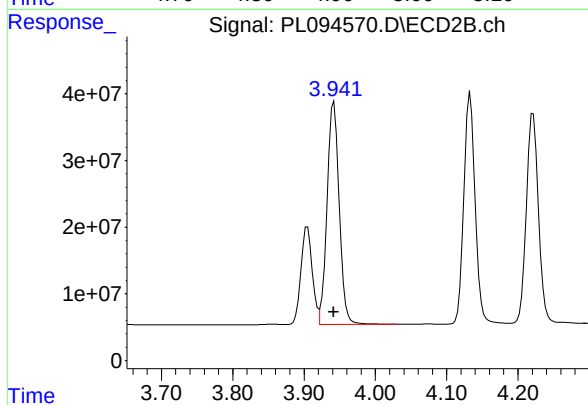
#3 gamma-BHC (Lindane)

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



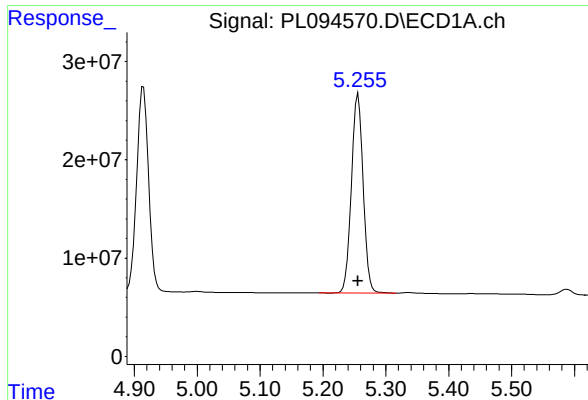
#4 Heptachlor

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



#4 Heptachlor

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



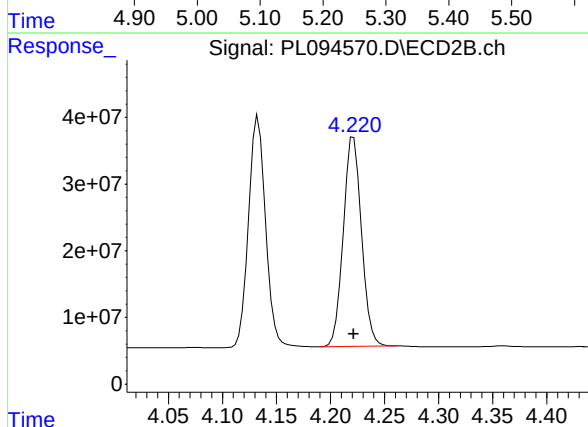
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

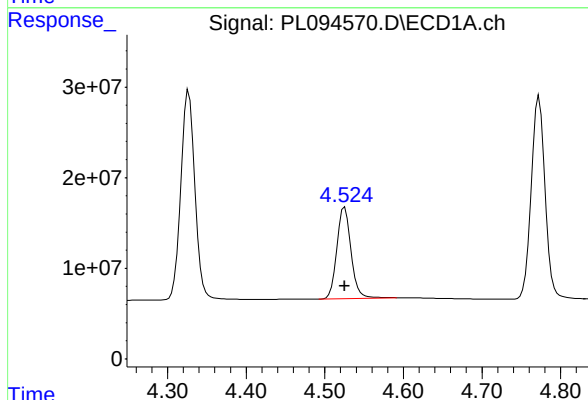
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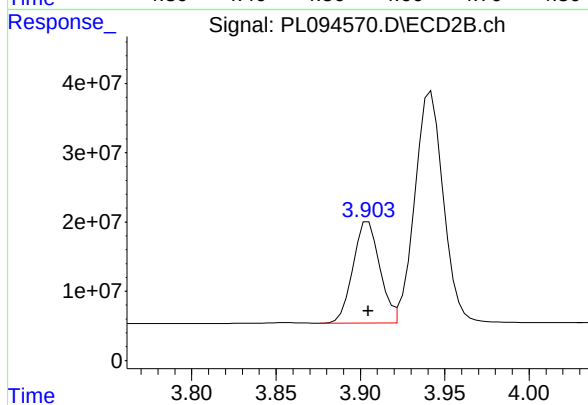
#5 Aldrin

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



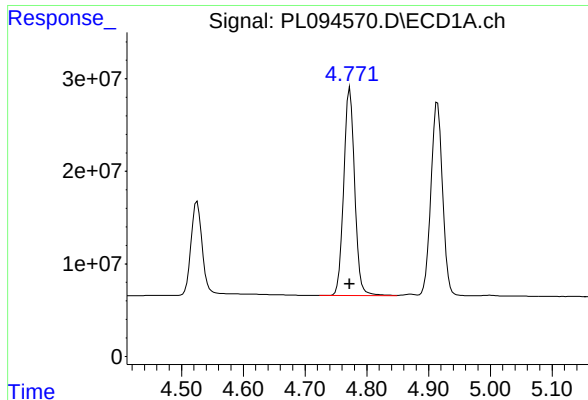
#6 beta-BHC

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



#6 beta-BHC

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



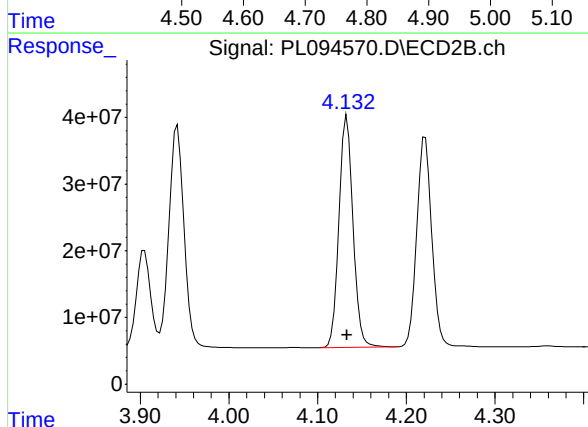
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

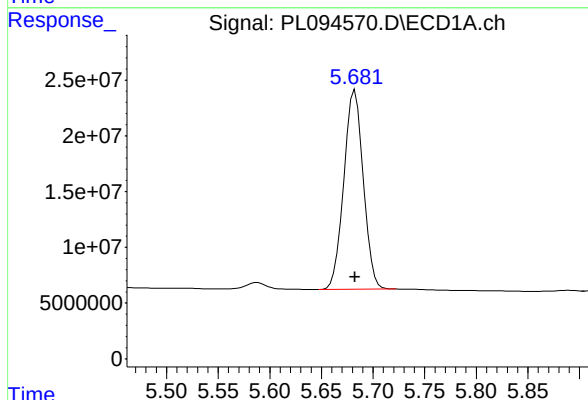
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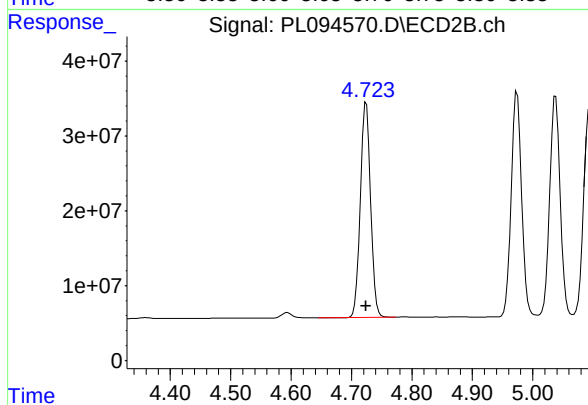
#7 delta-BHC

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



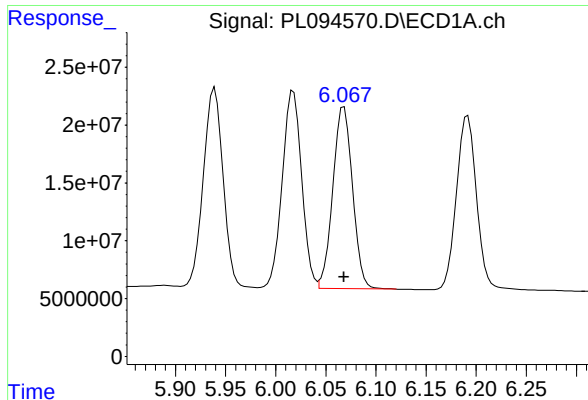
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



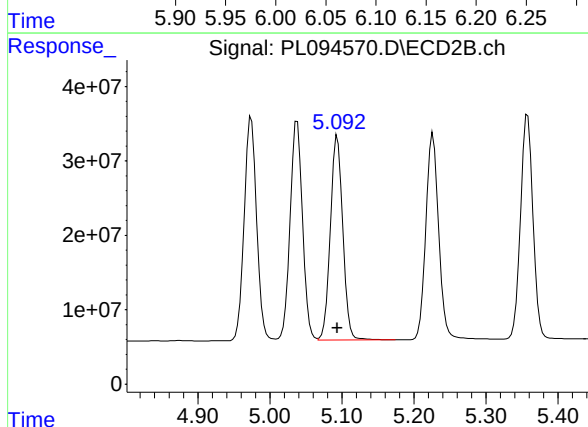
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

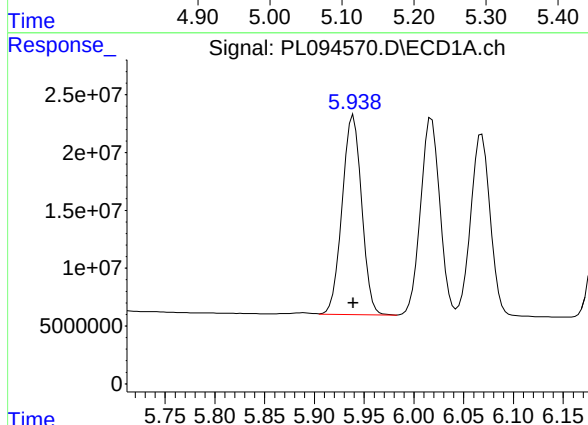
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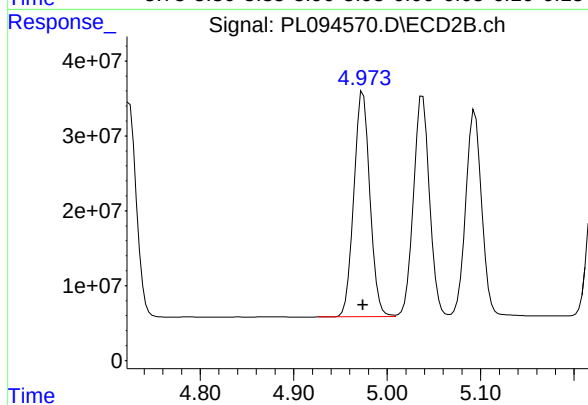
#9 Endosulfan I

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



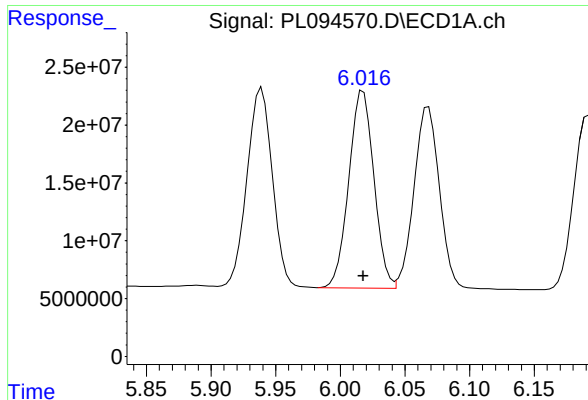
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



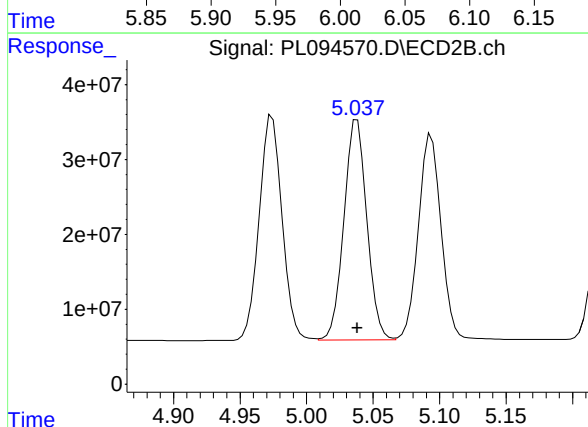
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

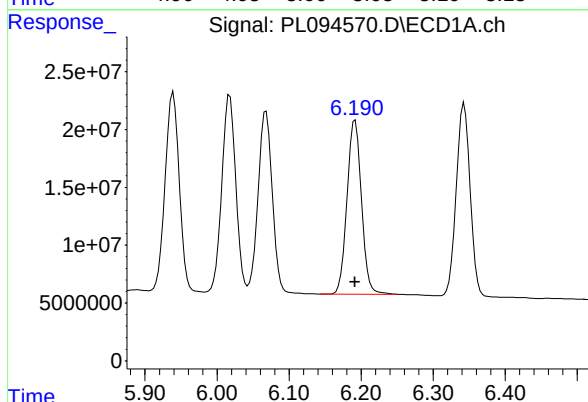
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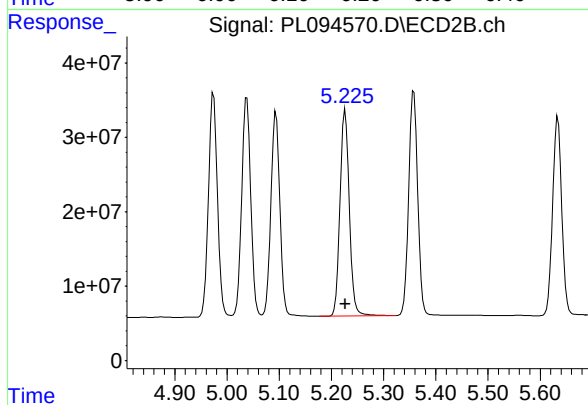
#11 alpha-Chlordane

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



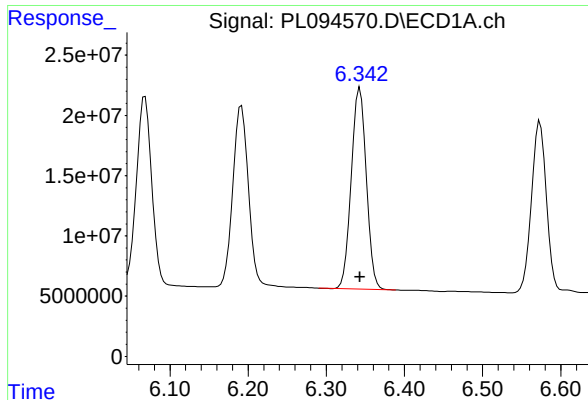
#12 4,4'-DDE

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



#12 4,4'-DDE

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



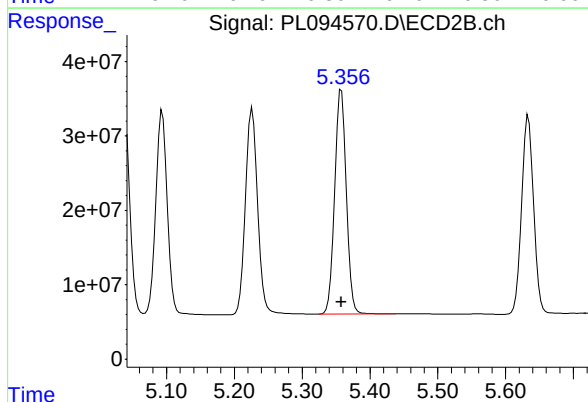
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

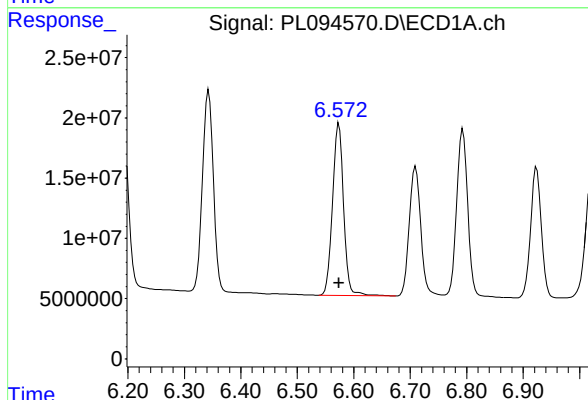
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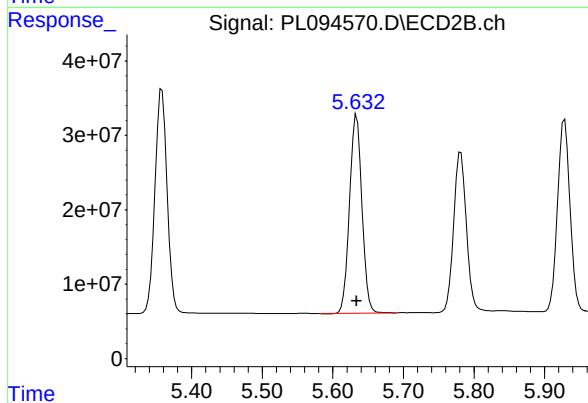
#13 Dieldrin

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



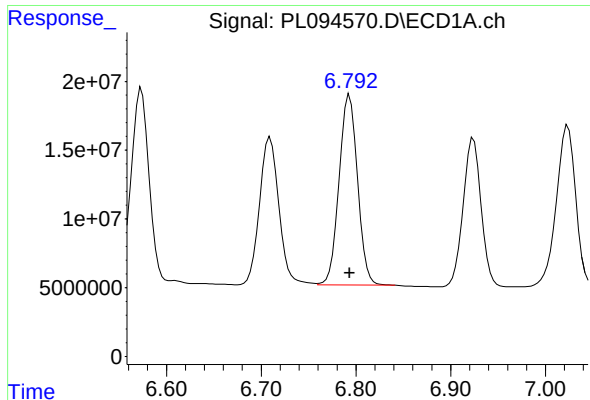
#14 Endrin

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



#14 Endrin

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



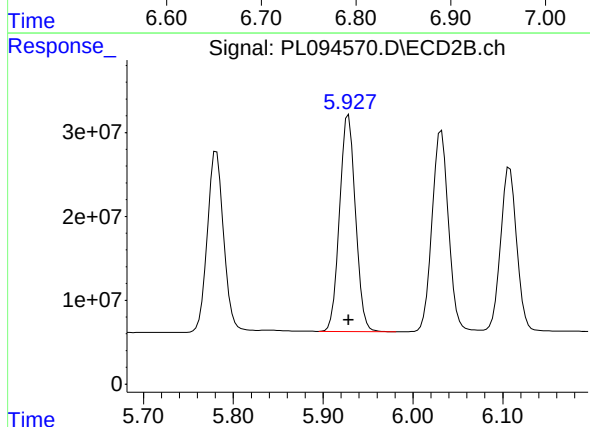
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

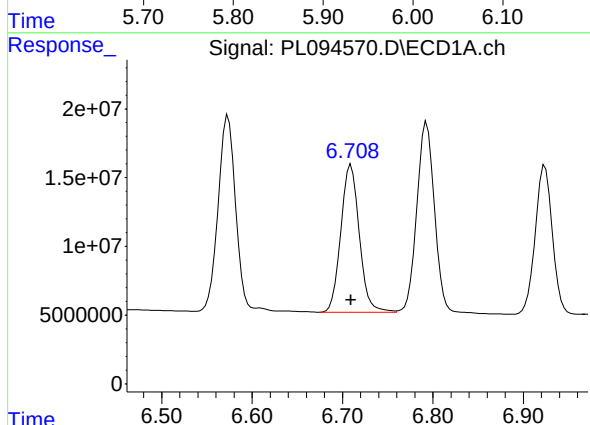
Manual Integrations
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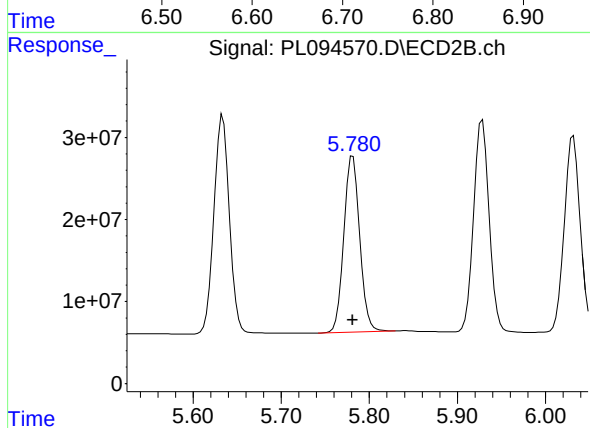
#15 Endosulfan II

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



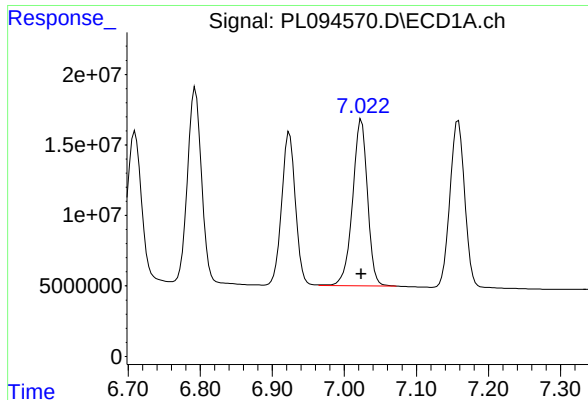
#16 4,4'-DDD

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



#16 4,4'-DDD

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



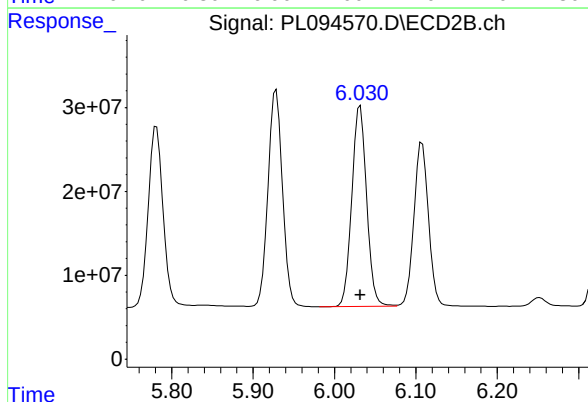
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

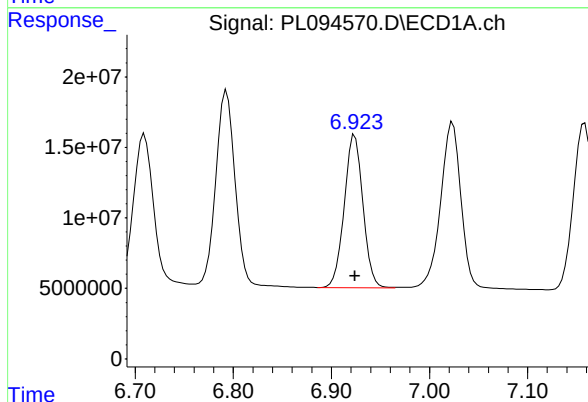
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



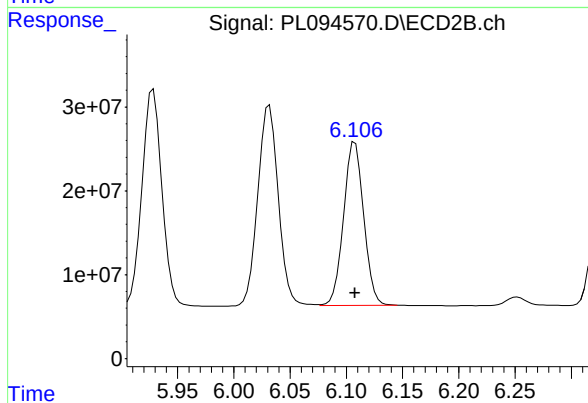
#17 4,4'-DDT

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



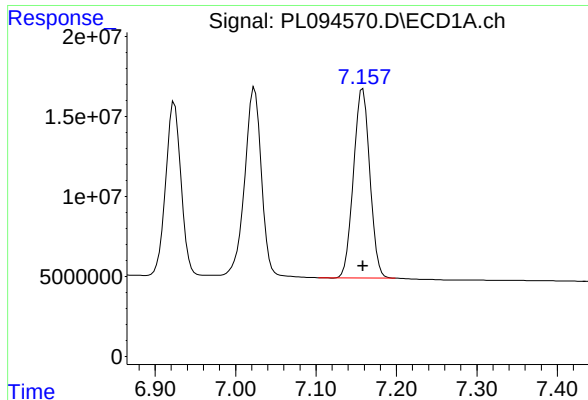
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



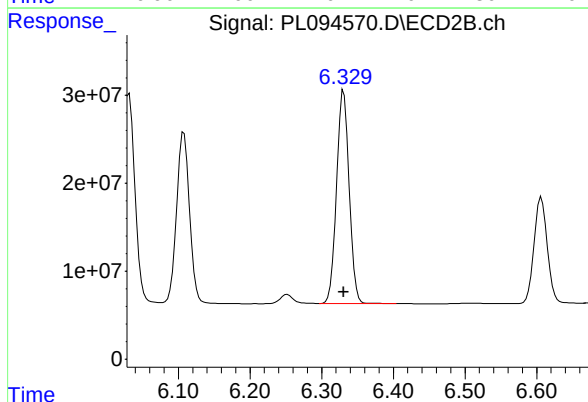
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

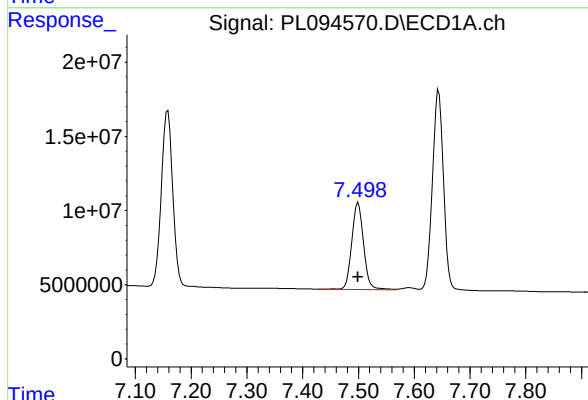
Manual Integrations
APPROVED

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



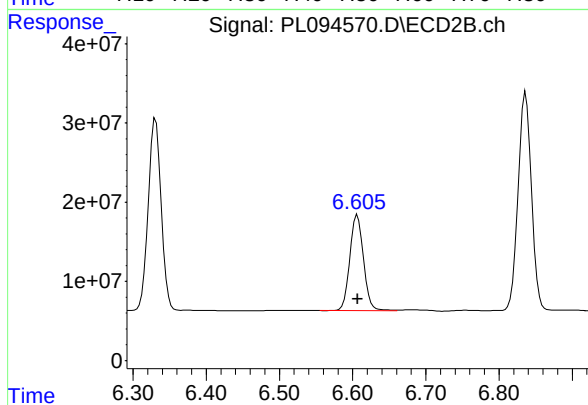
#19 Endosulfan Sulfate

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



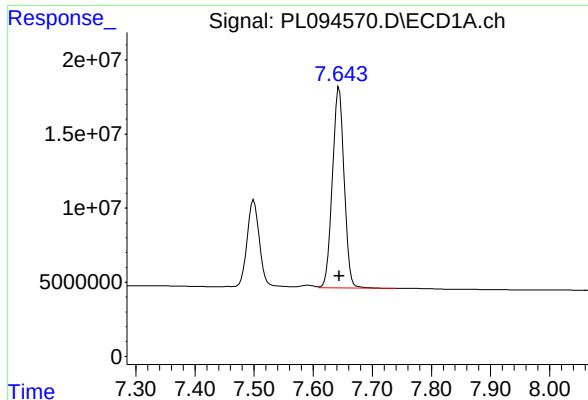
#20 Methoxychlor

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



#20 Methoxychlor

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



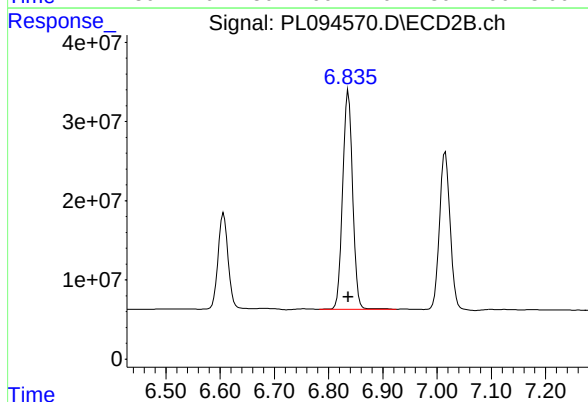
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

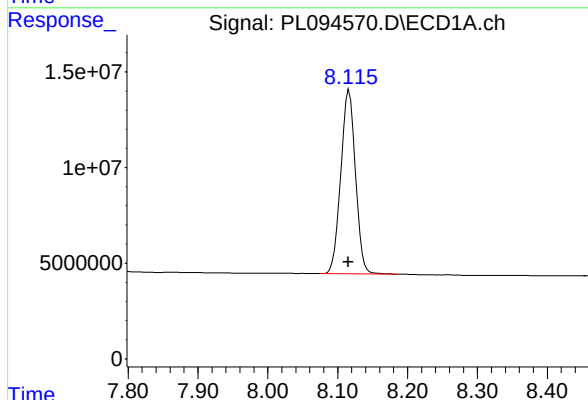
Manual Integrations
APPROVED

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



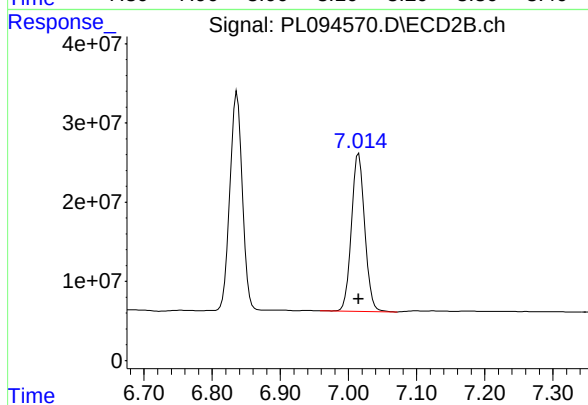
#21 Endrin ketone

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



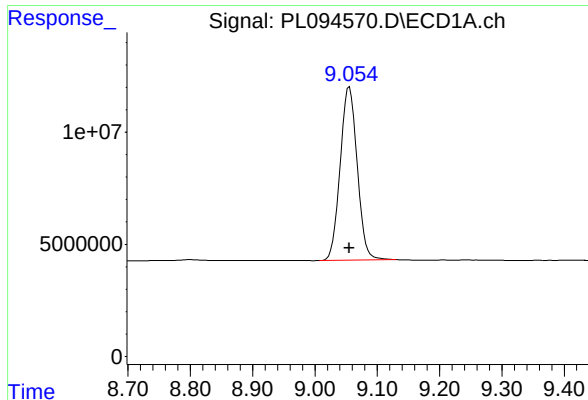
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

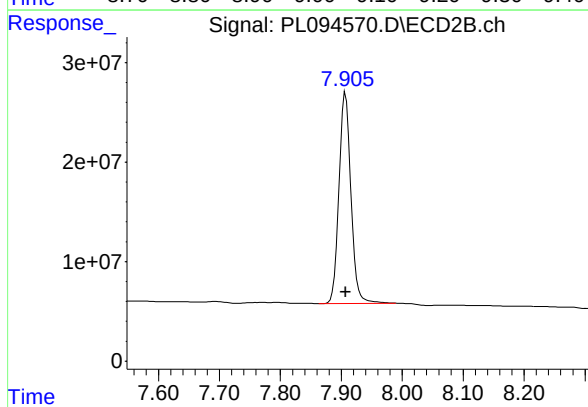
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

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

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

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

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

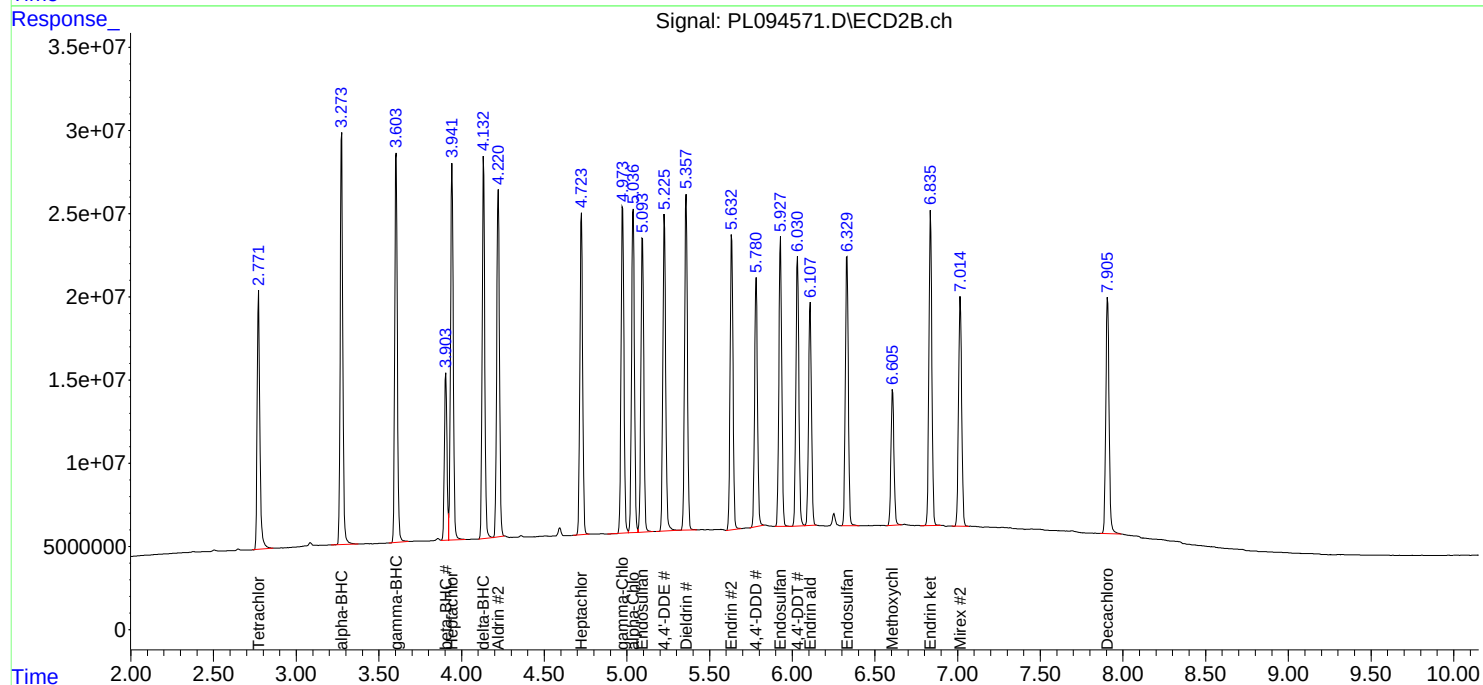
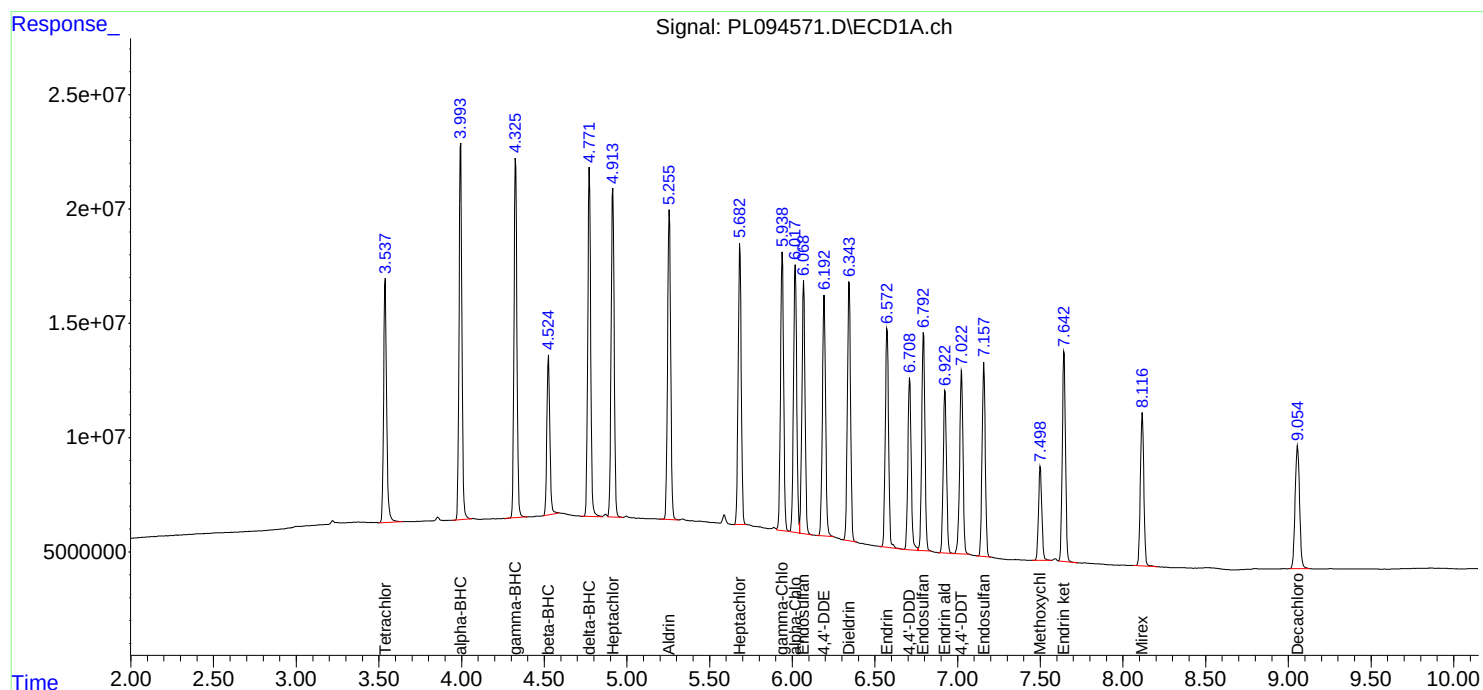
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

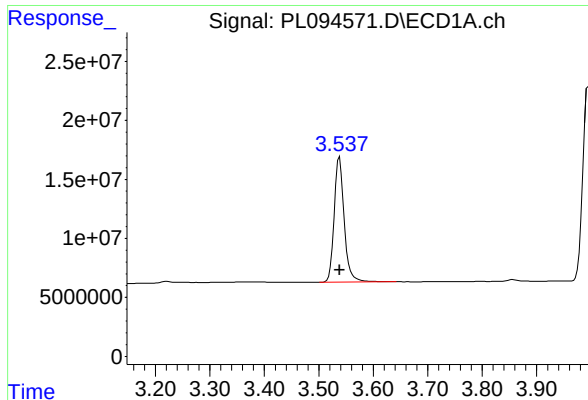
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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

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

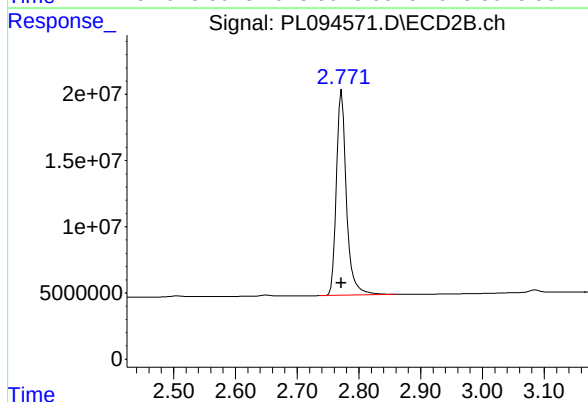




#1 Tetrachloro-m-xylene

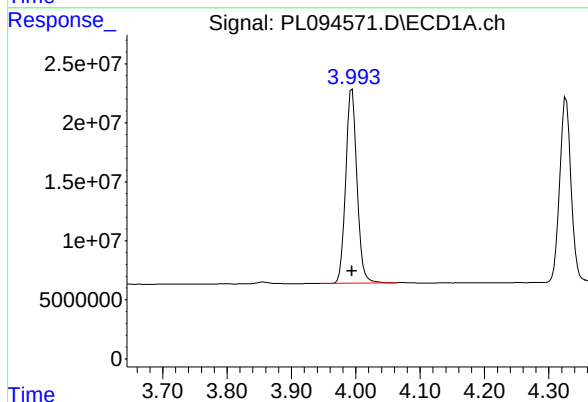
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 136137104
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



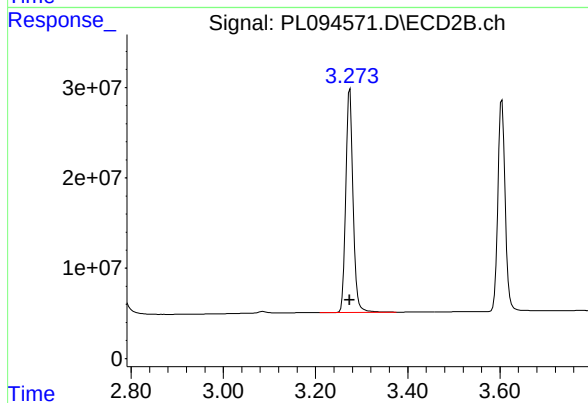
#1 Tetrachloro-m-xylene

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



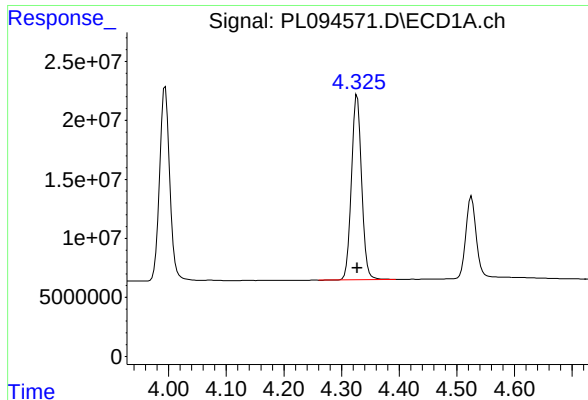
#2 alpha-BHC

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



#2 alpha-BHC

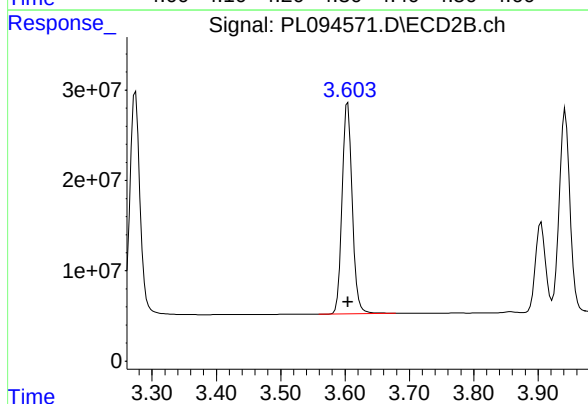
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 270359380
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

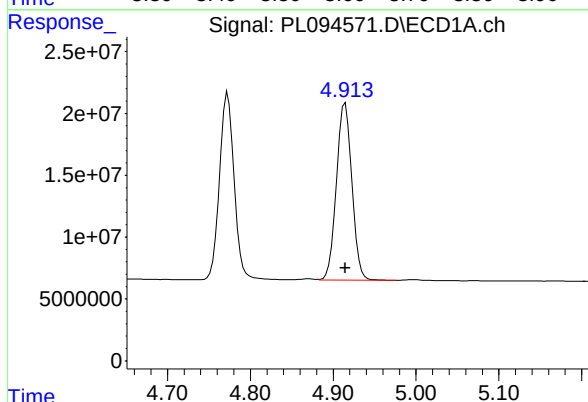
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192070832
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



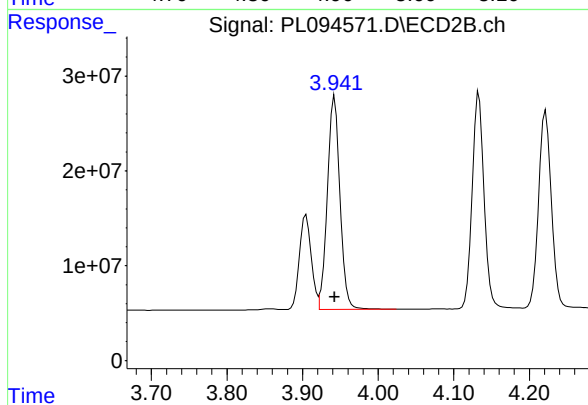
#3 gamma-BHC (Lindane)

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



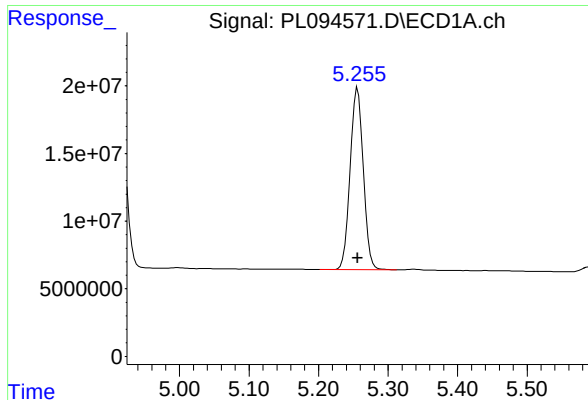
#4 Heptachlor

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



#4 Heptachlor

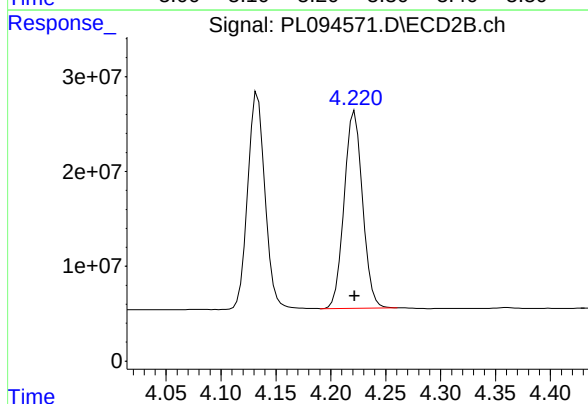
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 261438317
Conc: 50.00 ng/ml



#5 Aldrin

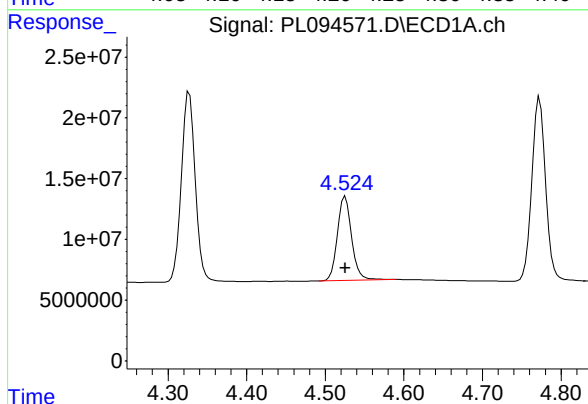
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 176587729
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



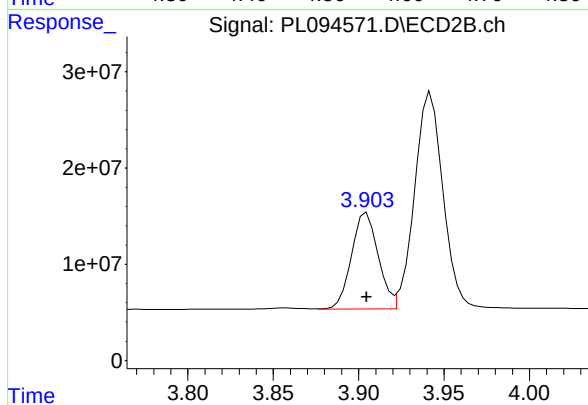
#5 Aldrin

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



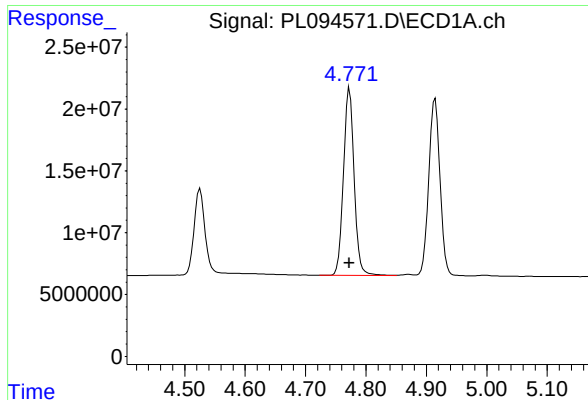
#6 beta-BHC

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



#6 beta-BHC

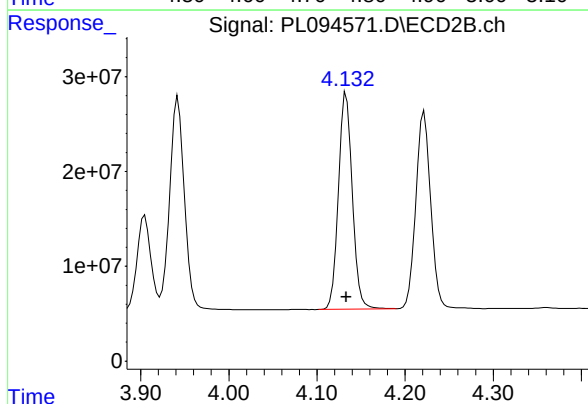
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 108608578
Conc: 50.00 ng/ml



#7 delta-BHC

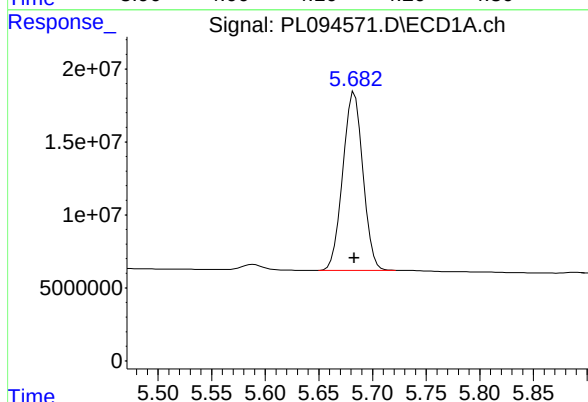
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186003116
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



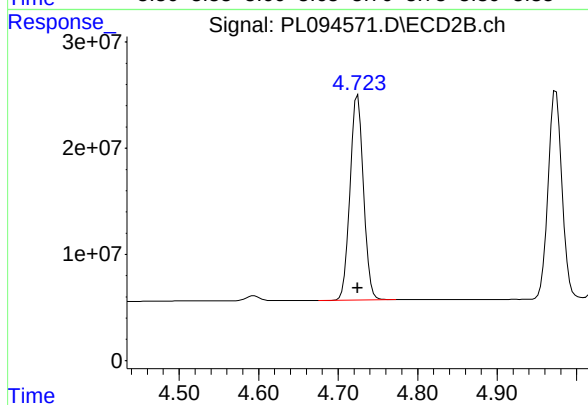
#7 delta-BHC

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



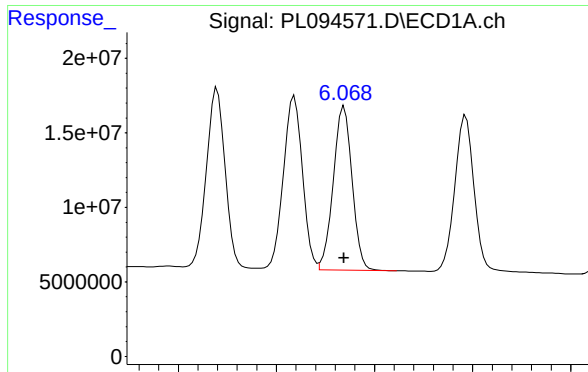
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

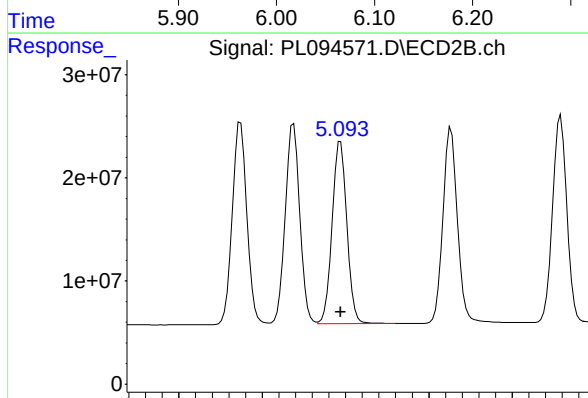
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 226476106
Conc: 50.00 ng/ml



#9 Endosulfan I

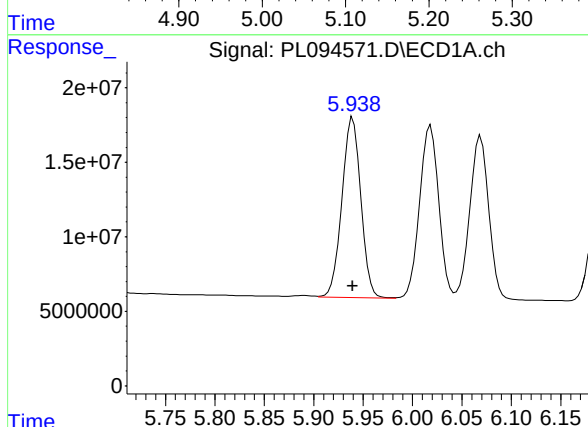
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 146211036
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



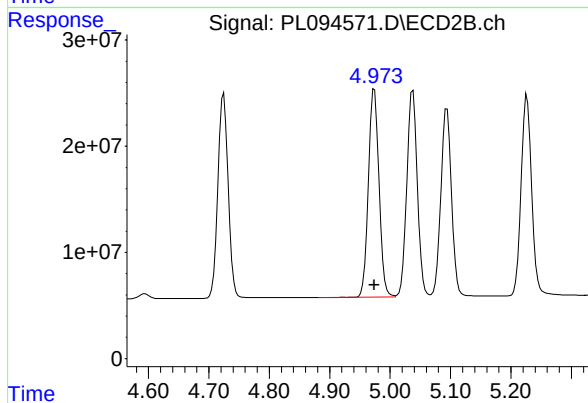
#9 Endosulfan I

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



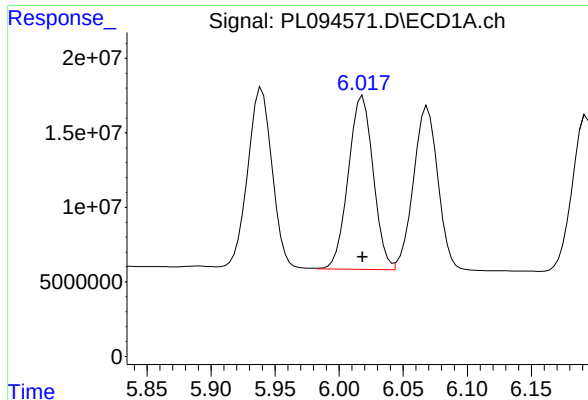
#10 gamma-Chlordane

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



#10 gamma-Chlordane

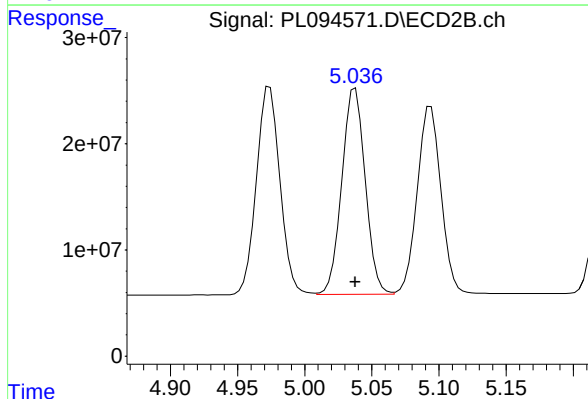
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 238530717
Conc: 50.00 ng/ml



#11 alpha-Chlordane

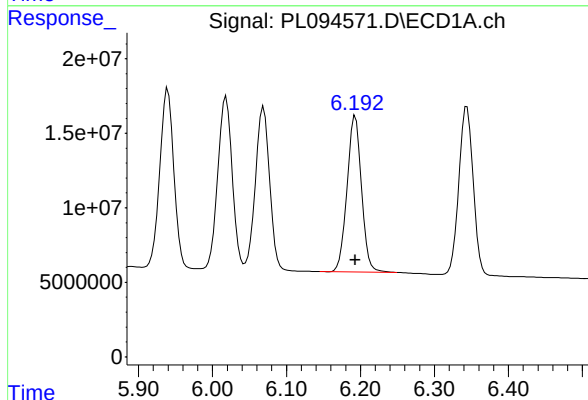
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157277512
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



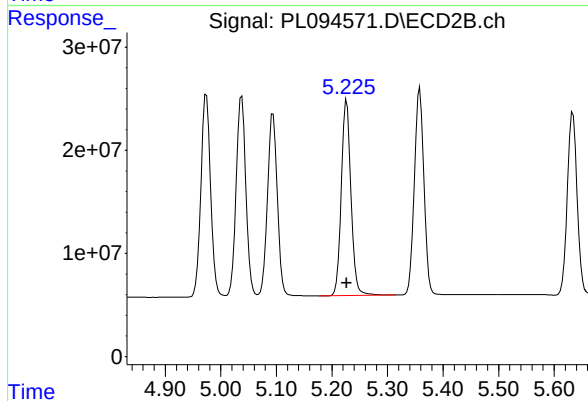
#11 alpha-Chlordane

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



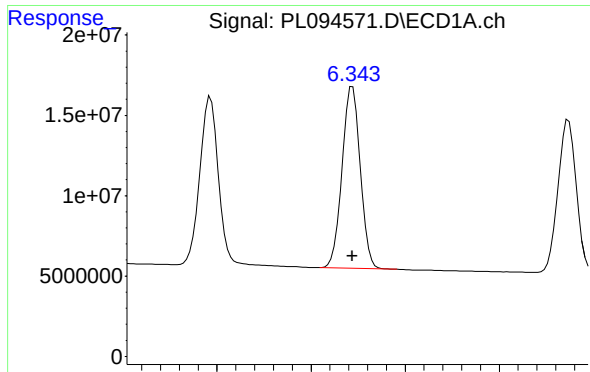
#12 4,4'-DDE

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



#12 4,4'-DDE

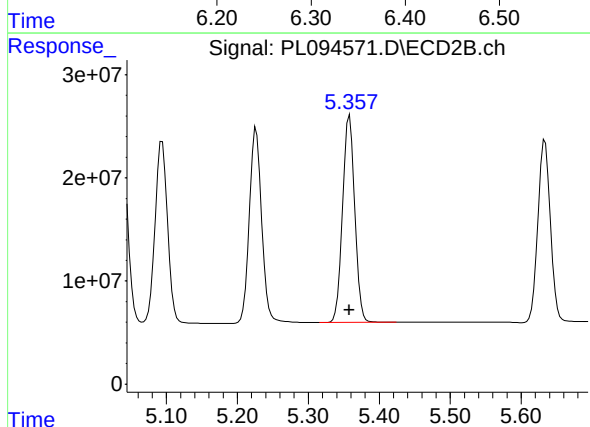
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 229476795
Conc: 50.00 ng/ml



#13 Dieldrin

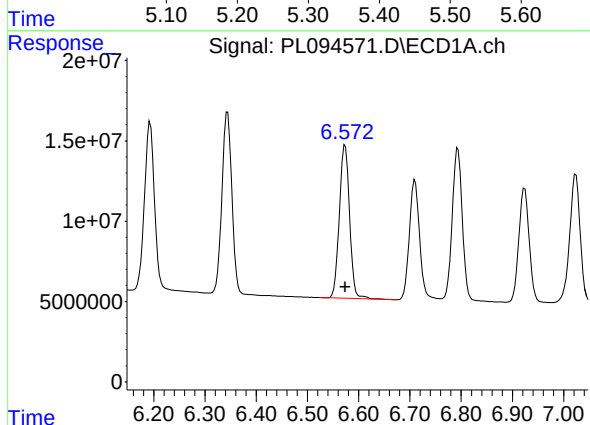
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 152019217
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



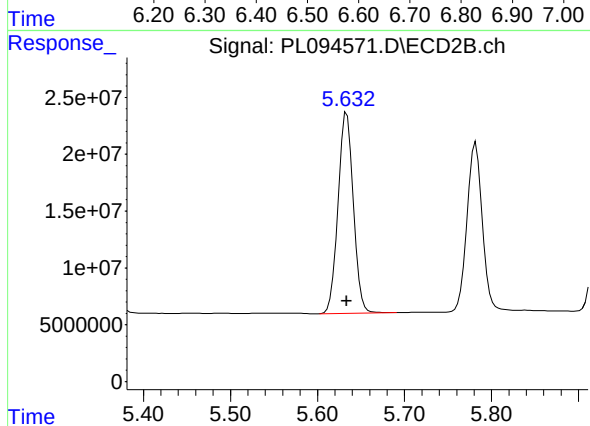
#13 Dieldrin

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



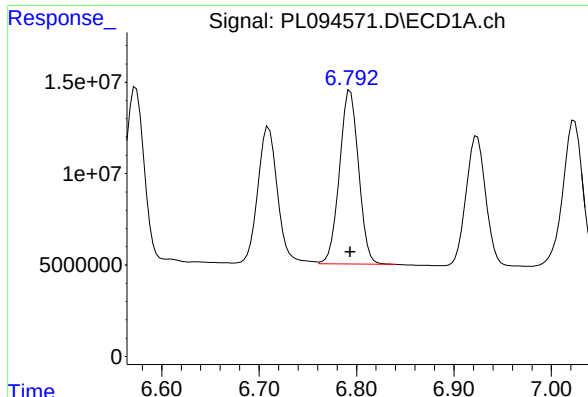
#14 Endrin

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



#14 Endrin

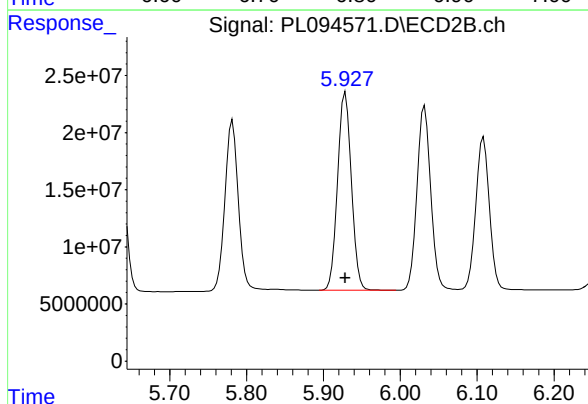
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 216302938
Conc: 50.00 ng/ml



#15 Endosulfan II

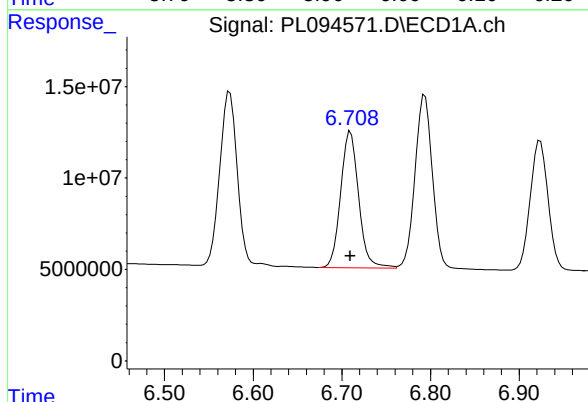
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 128973277
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



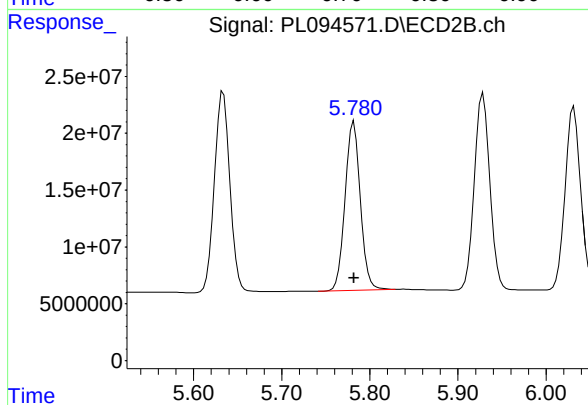
#15 Endosulfan II

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



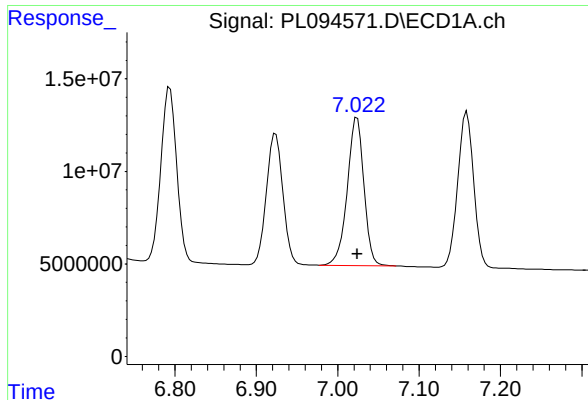
#16 4,4'-DDD

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



#16 4,4'-DDD

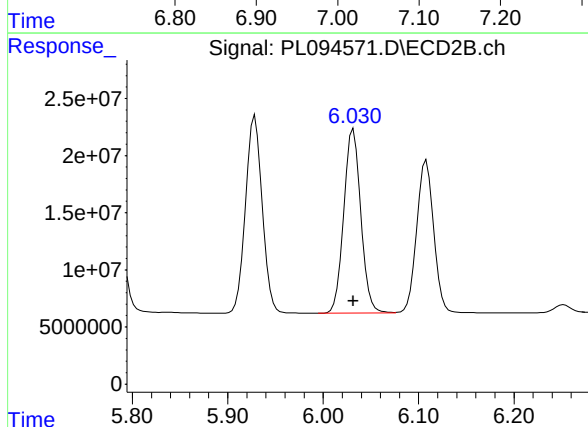
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 179139916
Conc: 50.00 ng/ml



#17 4,4'-DDT

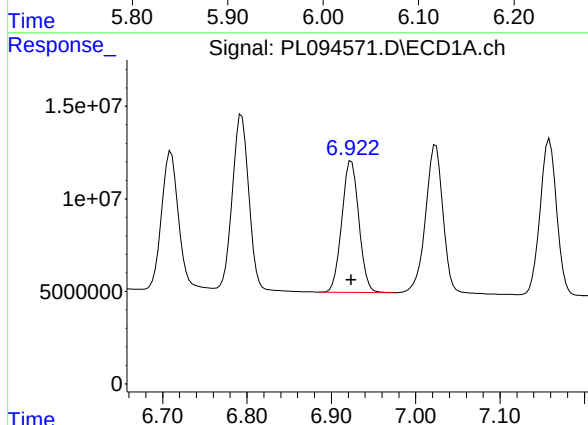
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114135799
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDIC050



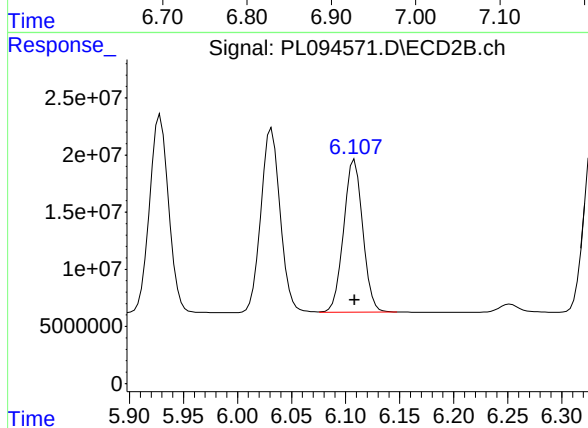
#17 4,4'-DDT

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



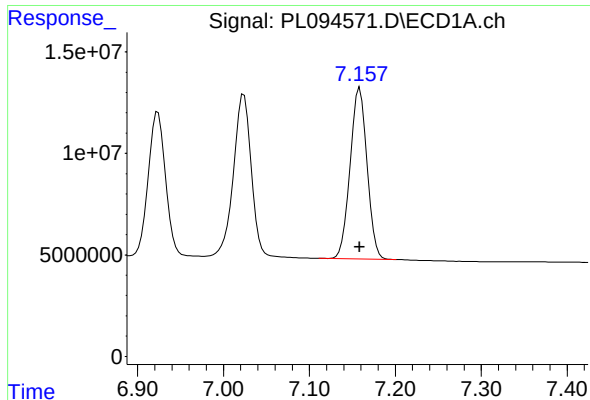
#18 Endrin aldehyde

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



#18 Endrin aldehyde

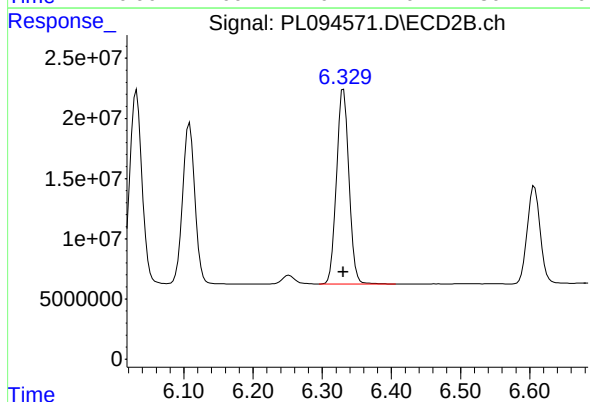
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 163954531
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

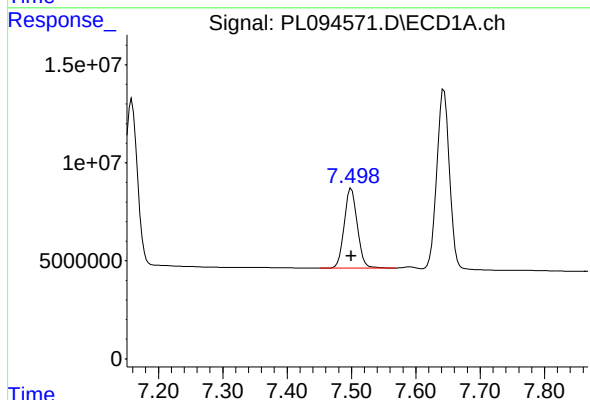
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 114763710
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



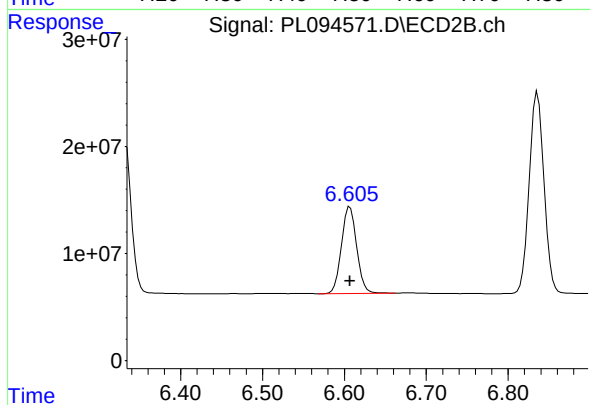
#19 Endosulfan Sulfate

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



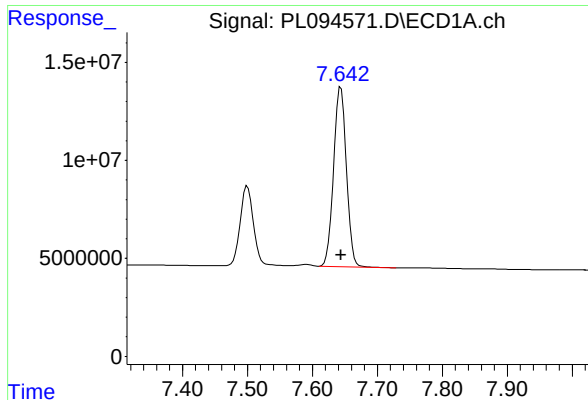
#20 Methoxychlor

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



#20 Methoxychlor

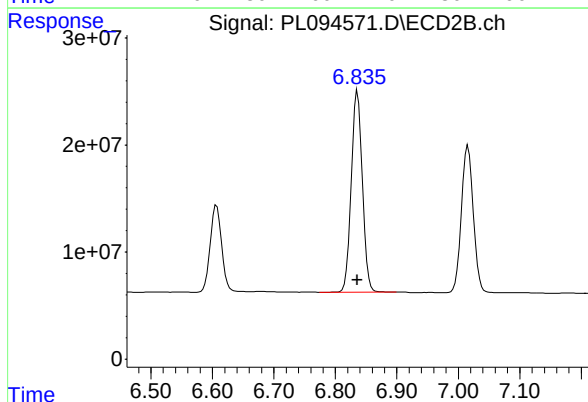
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 104967475
Conc: 50.00 ng/ml



#21 Endrin ketone

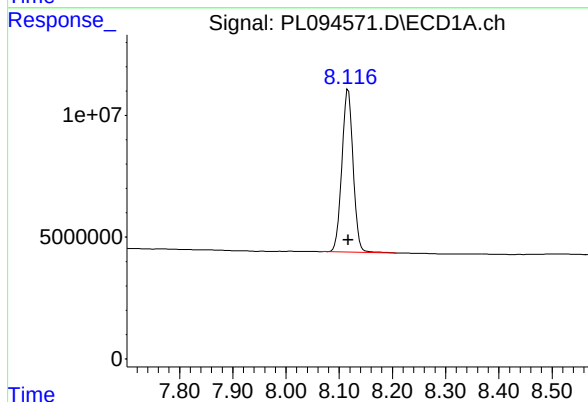
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 125237492
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



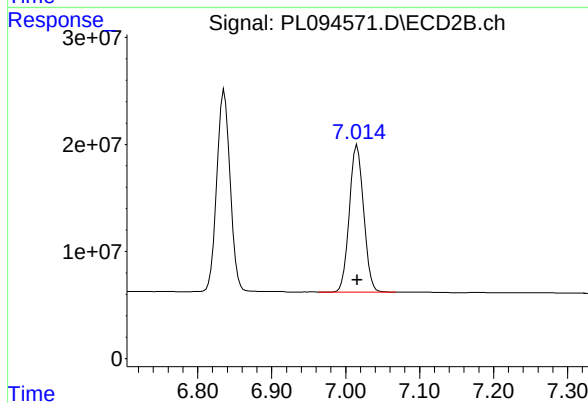
#21 Endrin ketone

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



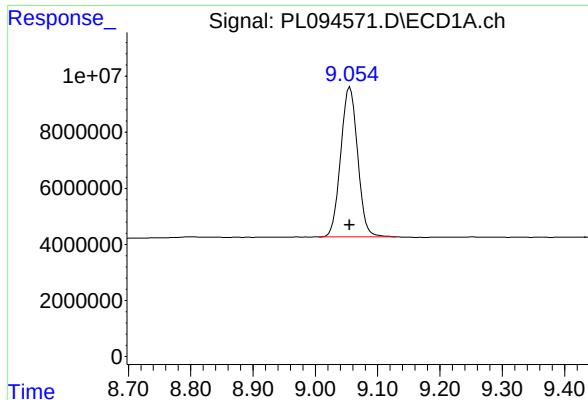
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.056 min

Delta R.T.: 0.000 min

Response: 101020675

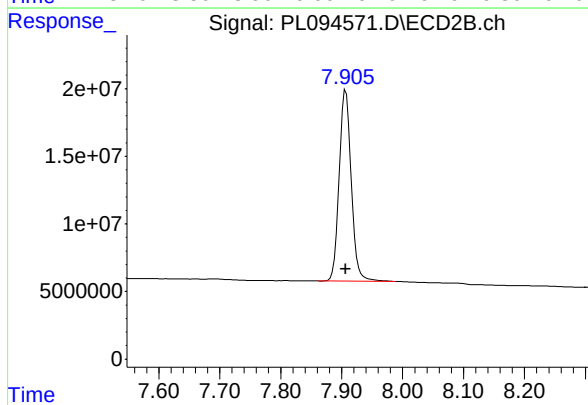
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.907 min

Delta R.T.: 0.000 min

Response: 195197693

Conc: 50.00 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

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

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

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

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

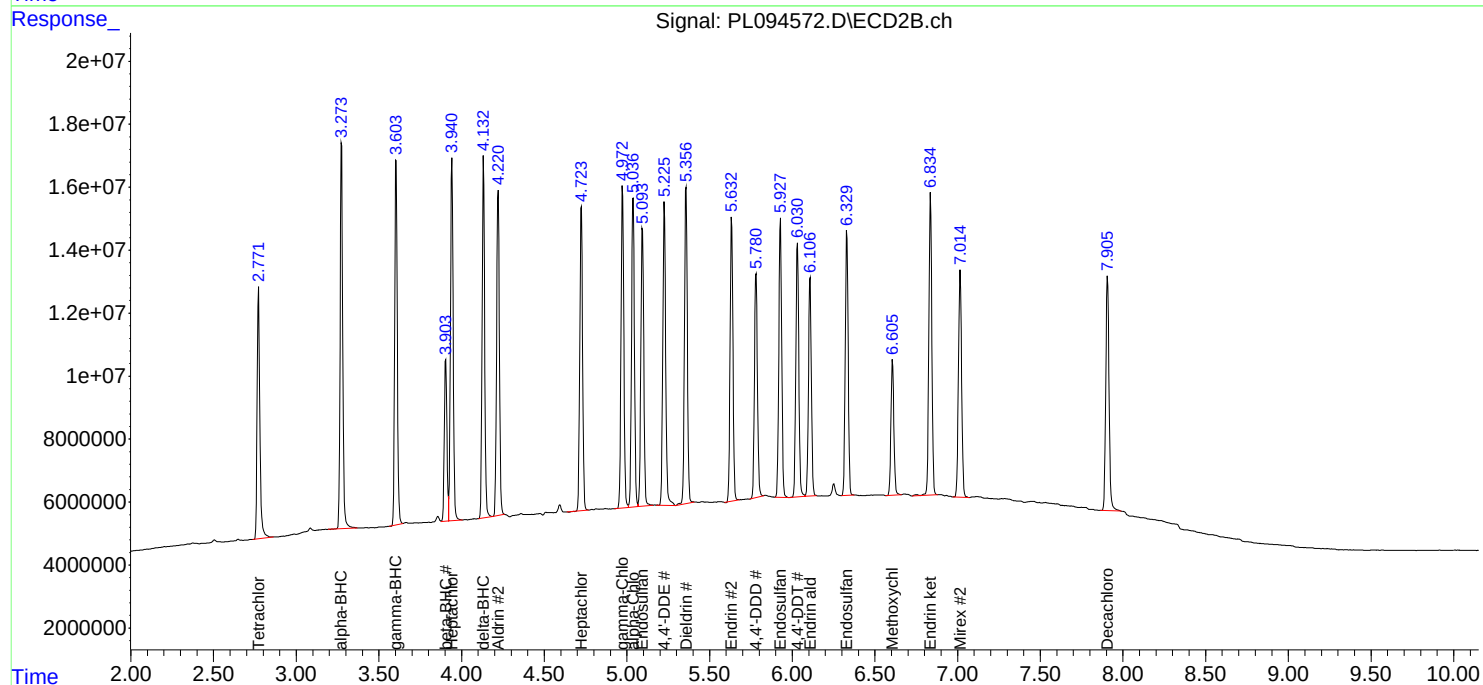
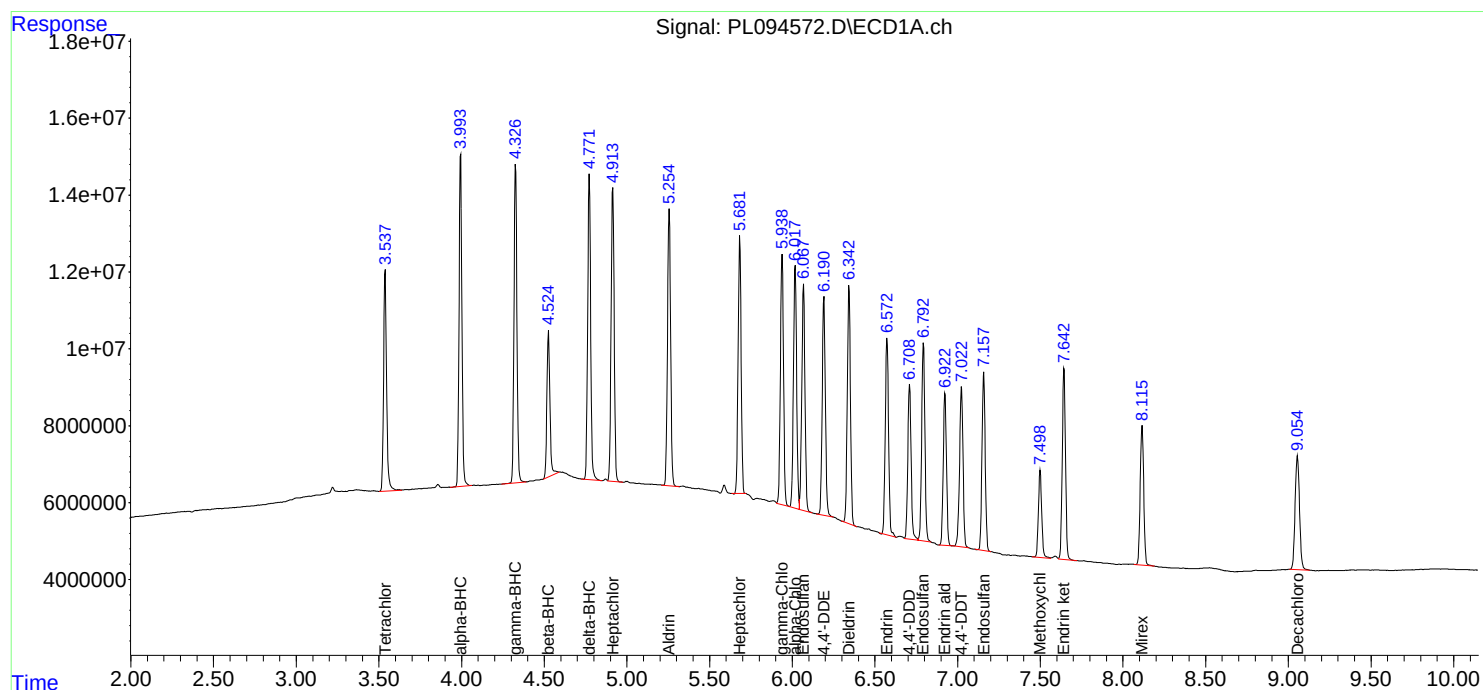
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

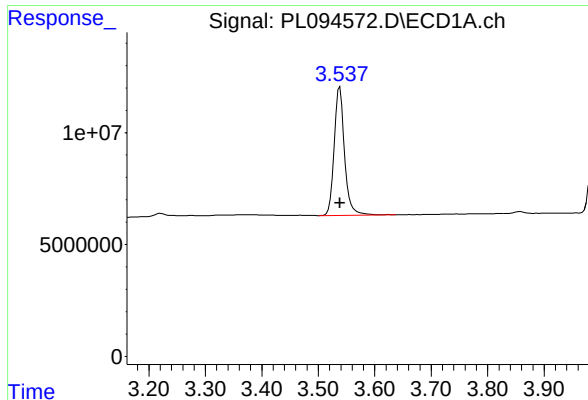
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

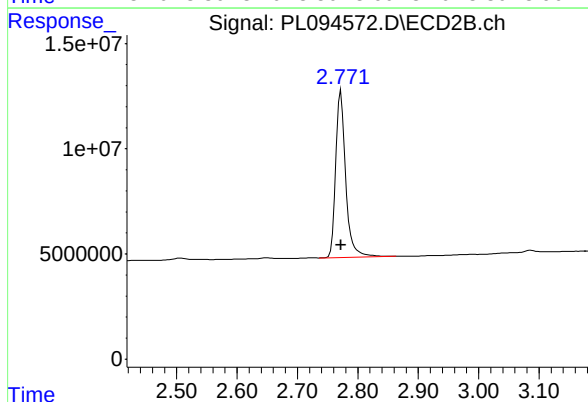




#1 Tetrachloro-m-xylene

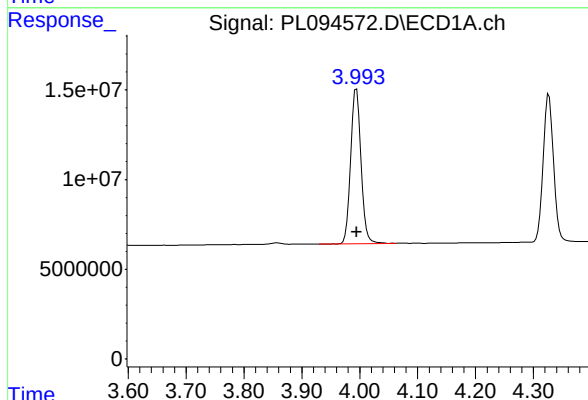
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 73066671
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



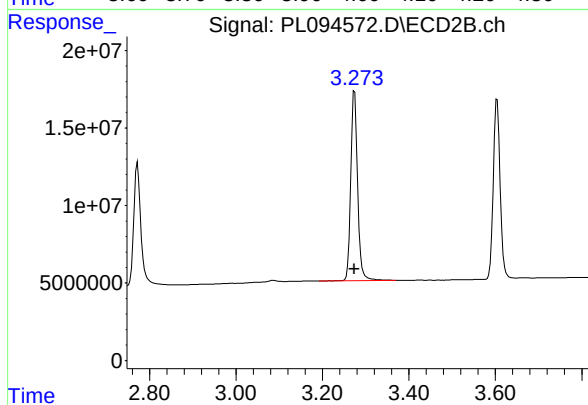
#1 Tetrachloro-m-xylene

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



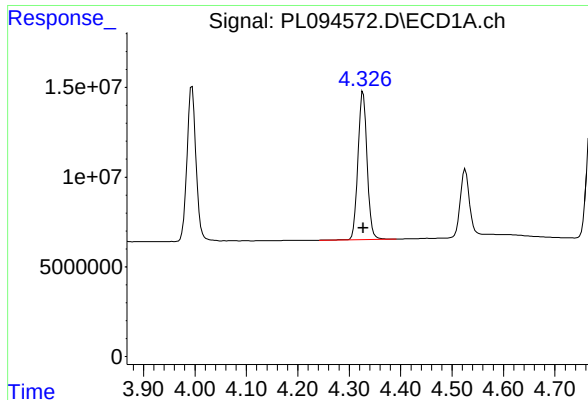
#2 alpha-BHC

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



#2 alpha-BHC

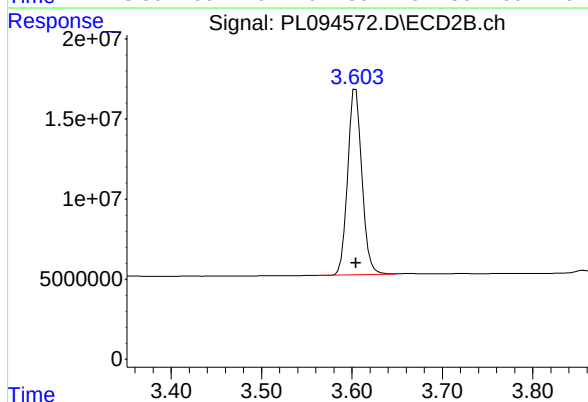
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 134567621
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

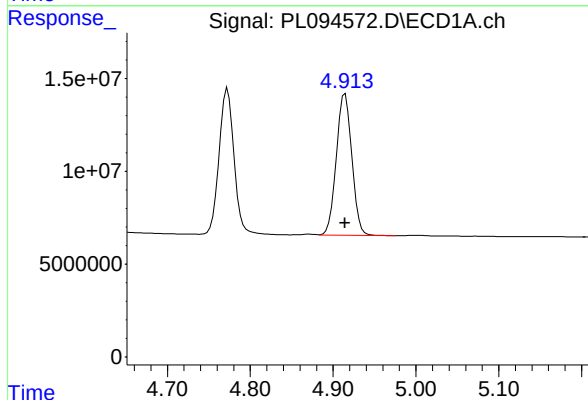
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 101519263
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



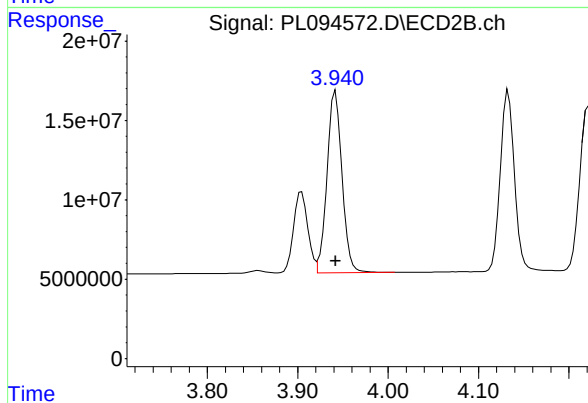
#3 gamma-BHC (Lindane)

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



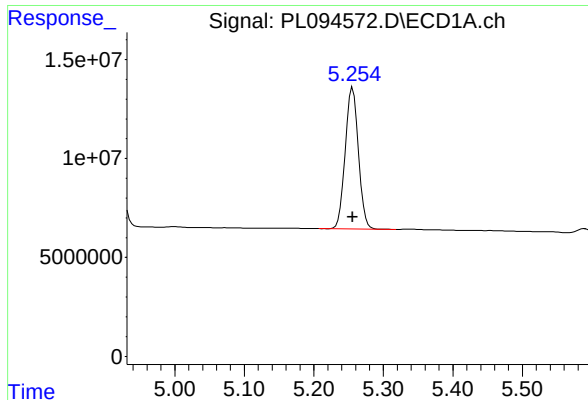
#4 Heptachlor

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



#4 Heptachlor

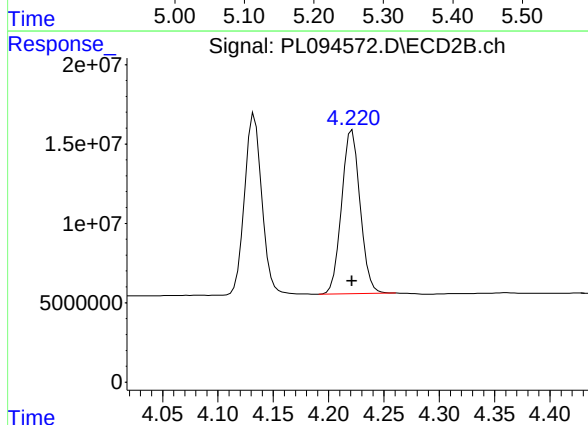
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 131830585
Conc: 24.96 ng/ml



#5 Aldrin

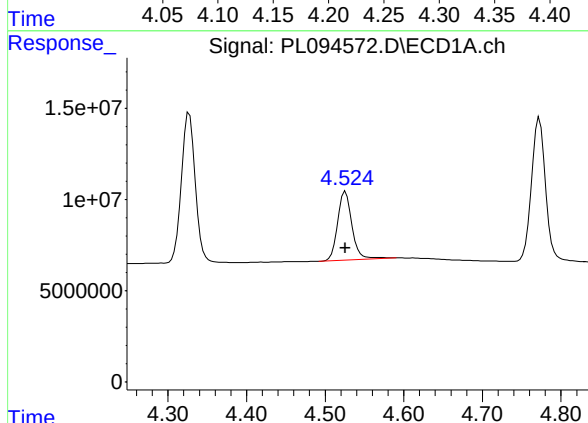
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 94187974
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



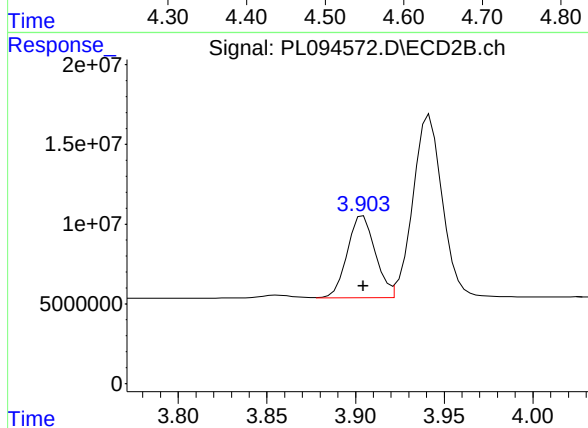
#5 Aldrin

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



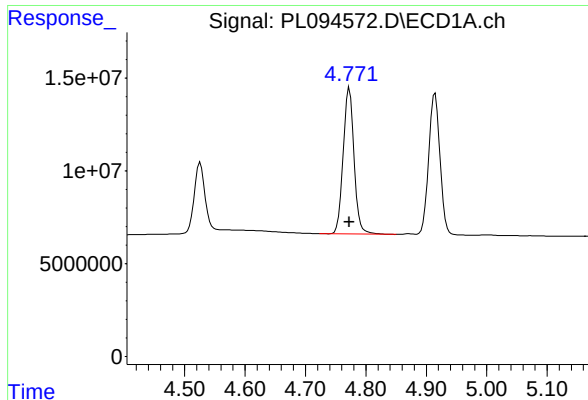
#6 beta-BHC

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



#6 beta-BHC

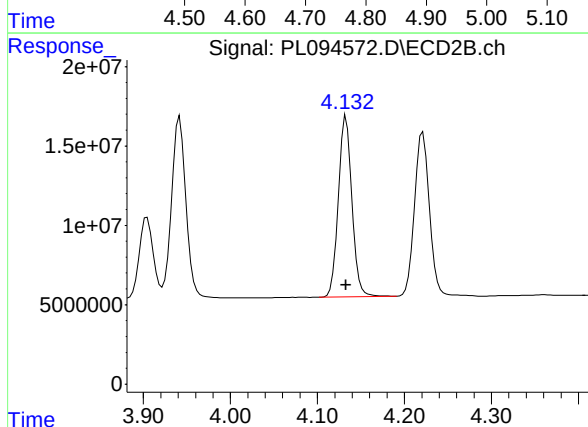
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 56269720
Conc: 25.67 ng/ml



#7 delta-BHC

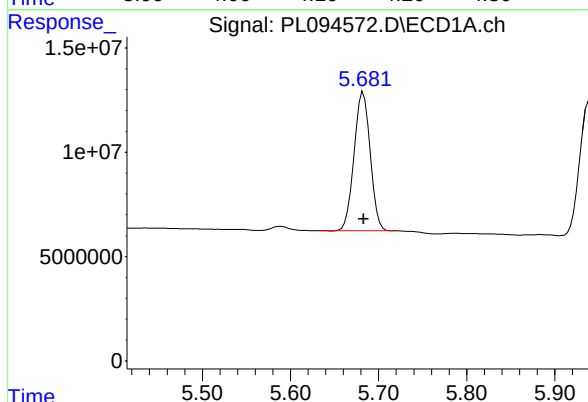
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98323171
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



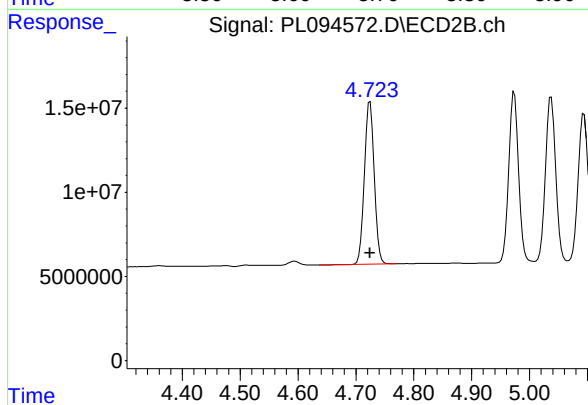
#7 delta-BHC

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



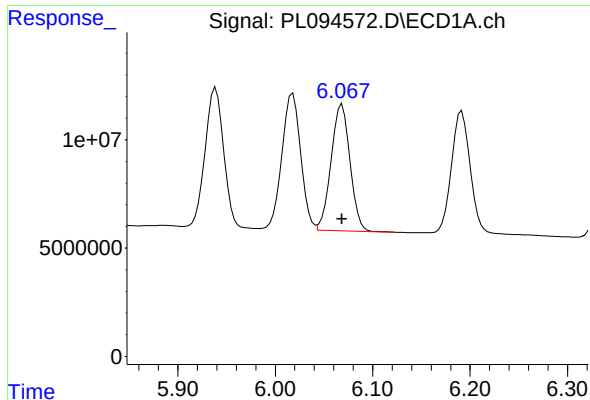
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

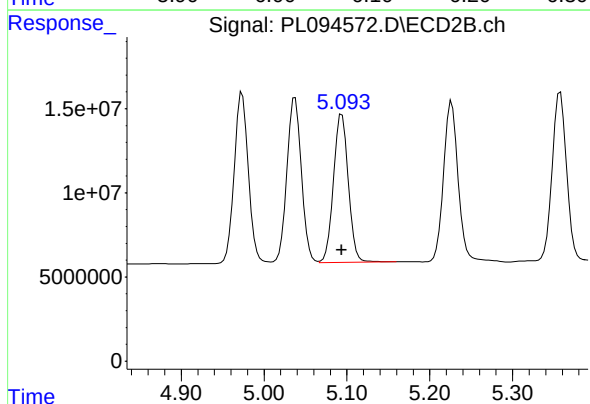
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 114828282
Conc: 25.15 ng/ml



#9 Endosulfan I

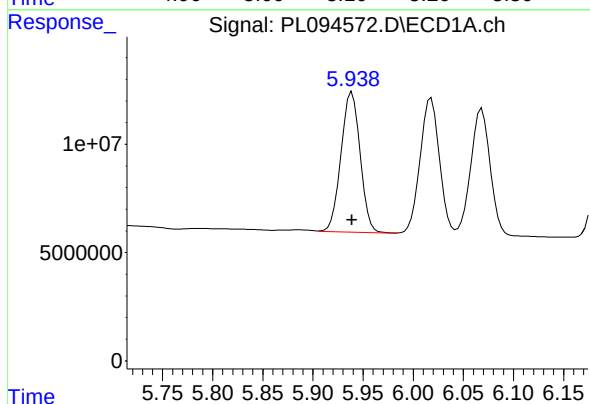
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 78452105
Conc: 26.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



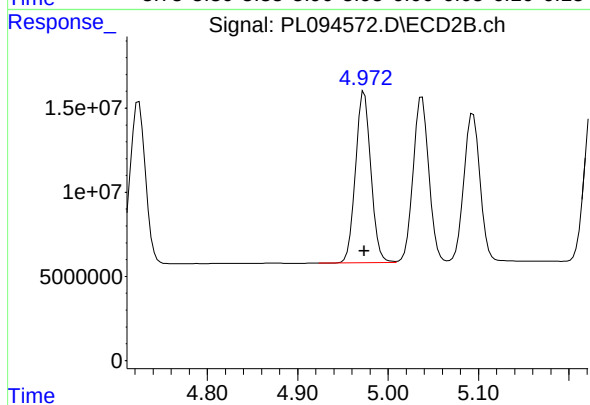
#9 Endosulfan I

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



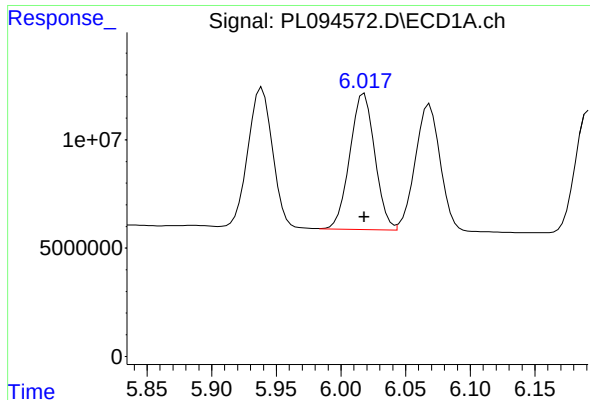
#10 gamma-Chlordane

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



#10 gamma-Chlordane

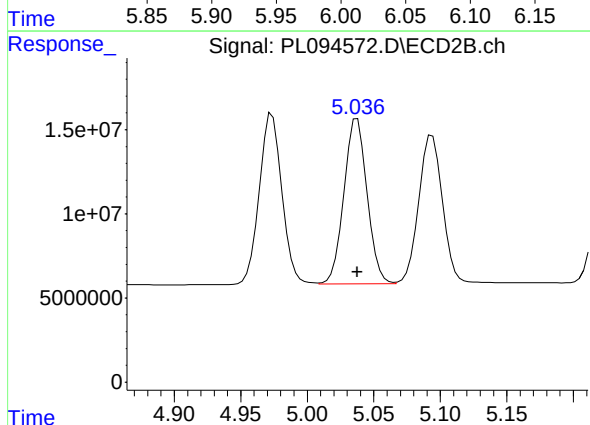
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 120286873
Conc: 24.88 ng/ml



#11 alpha-Chlordane

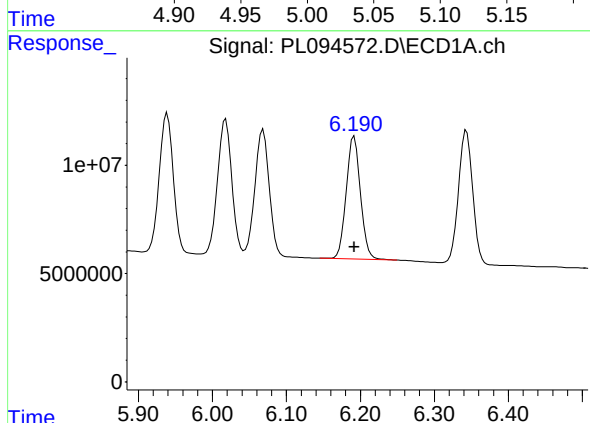
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 84236346
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



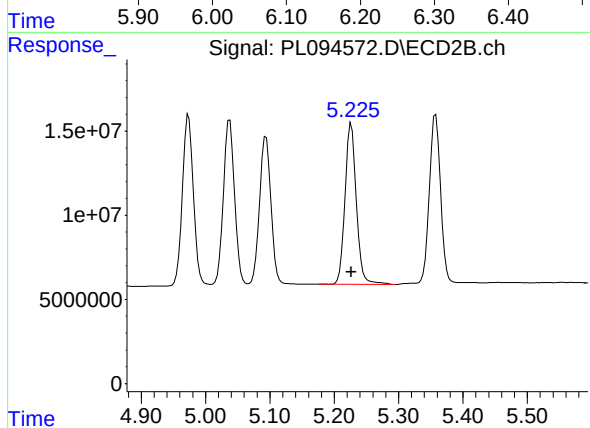
#11 alpha-Chlordane

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



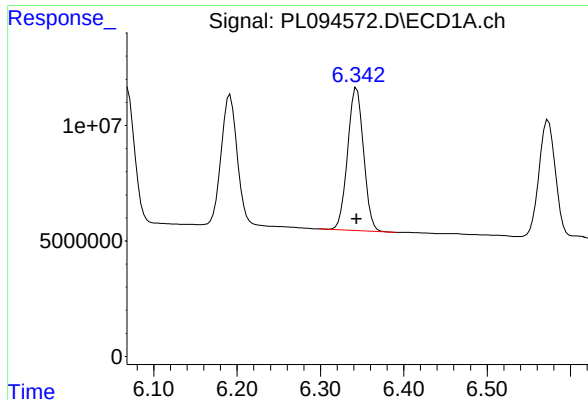
#12 4,4'-DDE

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



#12 4,4'-DDE

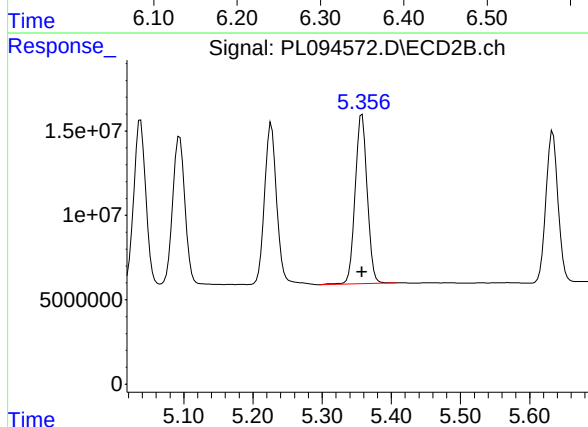
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 117694938
Conc: 25.25 ng/ml



#13 Dieldrin

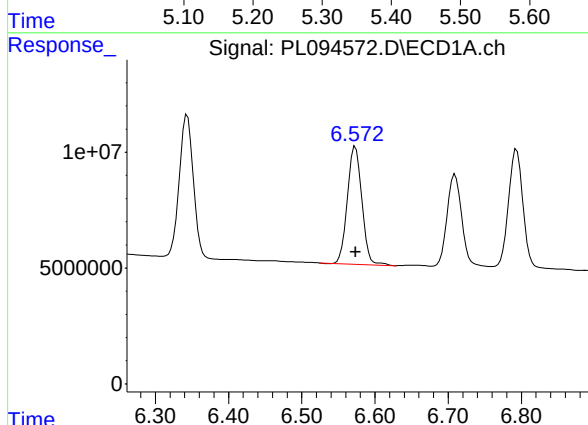
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 81751323
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



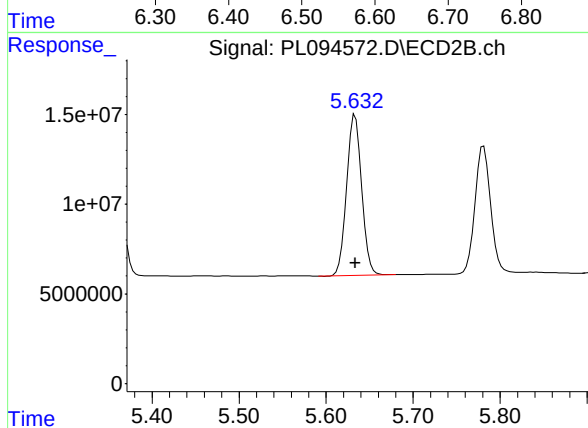
#13 Dieldrin

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



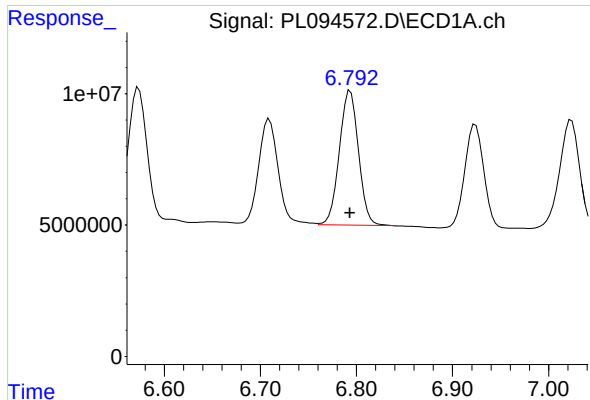
#14 Endrin

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



#14 Endrin

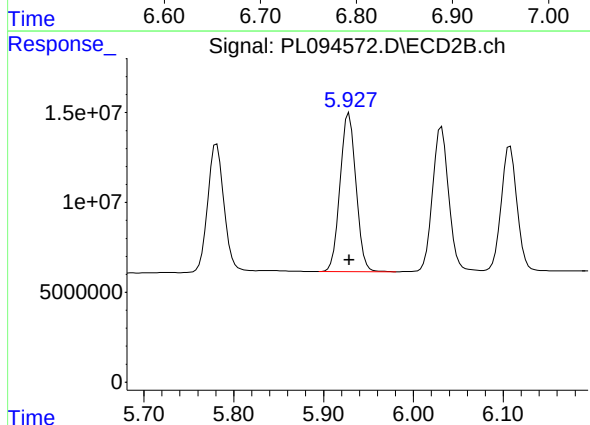
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 108262899
Conc: 24.86 ng/ml



#15 Endosulfan II

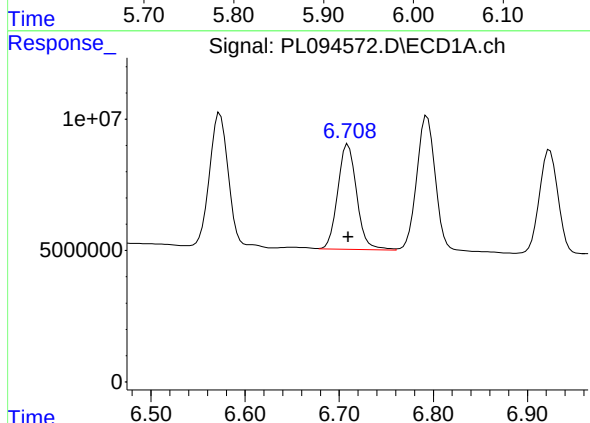
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 69950473
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



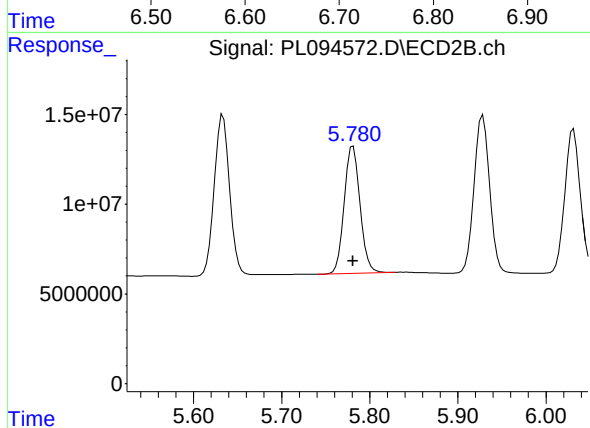
#15 Endosulfan II

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



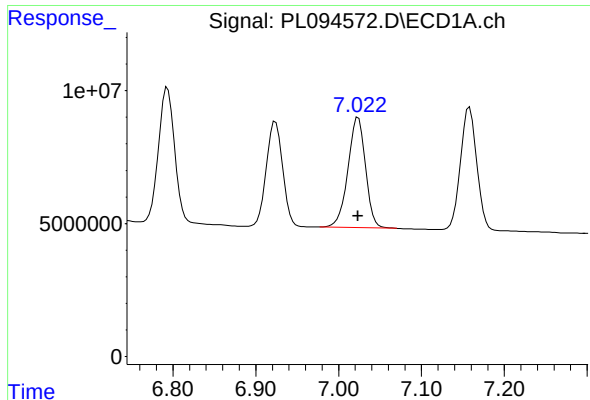
#16 4,4'-DDD

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



#16 4,4'-DDD

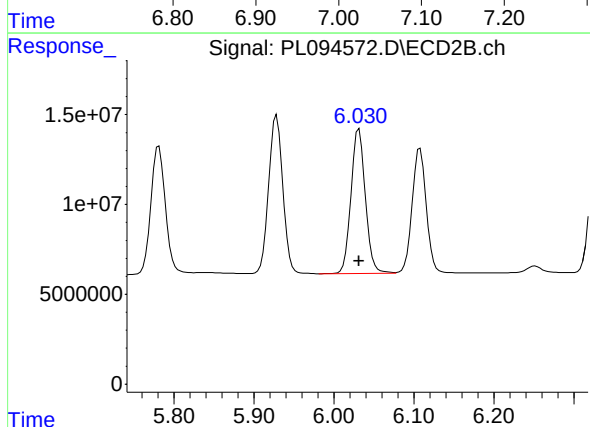
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 88985458
Conc: 24.57 ng/ml



#17 4,4'-DDT

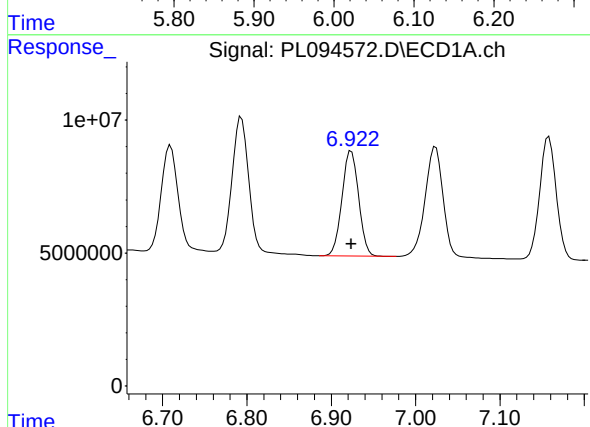
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 61047291
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



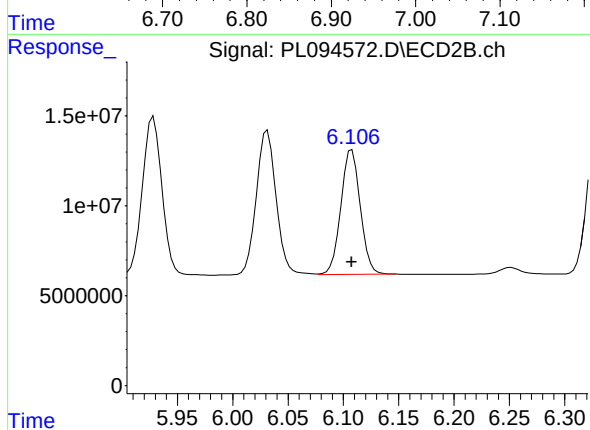
#17 4,4'-DDT

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



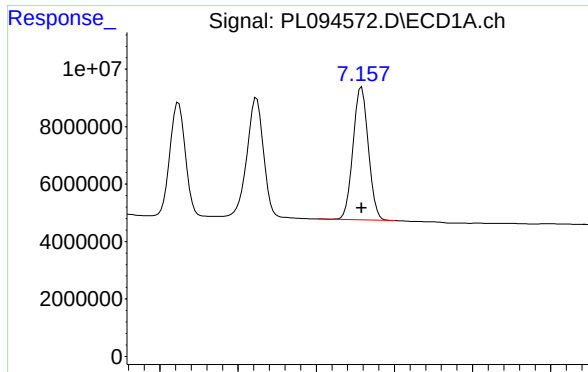
#18 Endrin aldehyde

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



#18 Endrin aldehyde

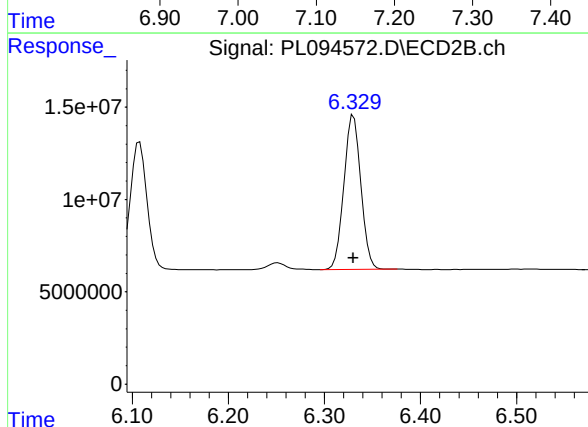
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 84742965
Conc: 25.67 ng/ml



#19 Endosulfan Sulfate

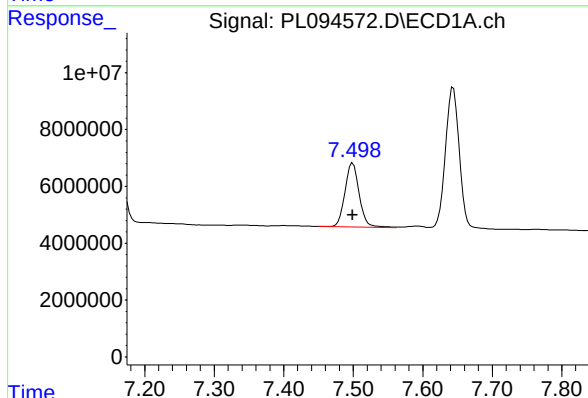
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 62993381
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



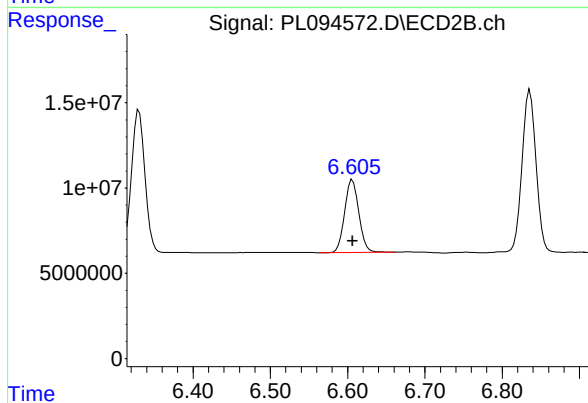
#19 Endosulfan Sulfate

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



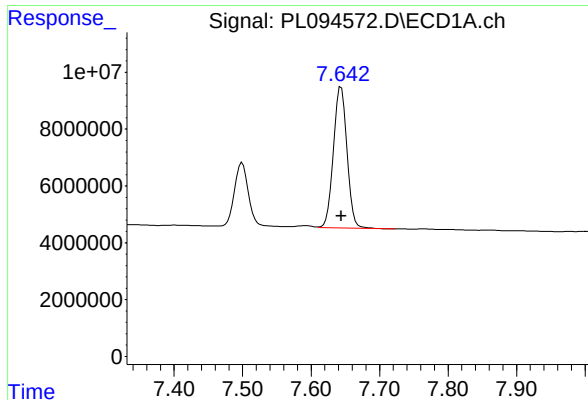
#20 Methoxychlor

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



#20 Methoxychlor

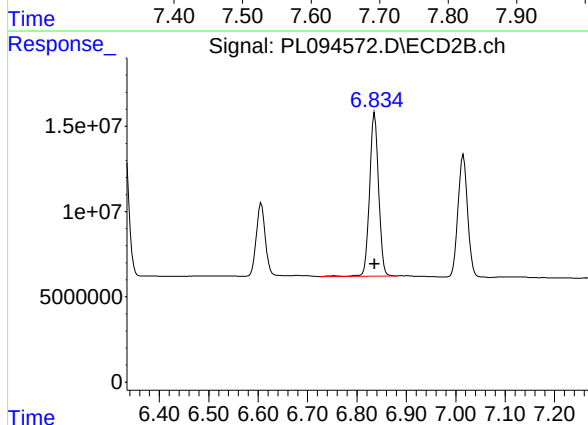
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 53888956
Conc: 25.57 ng/ml



#21 Endrin ketone

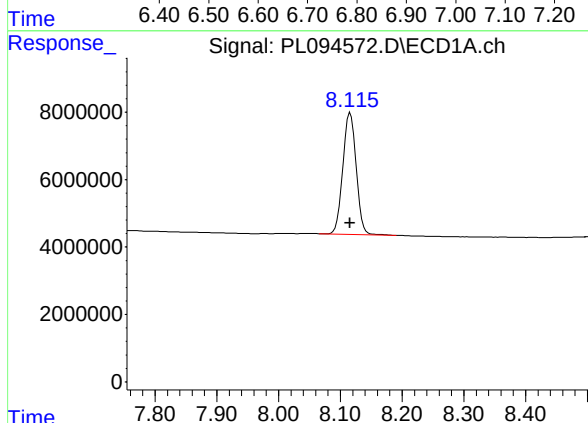
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 68364354
Conc: 26.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



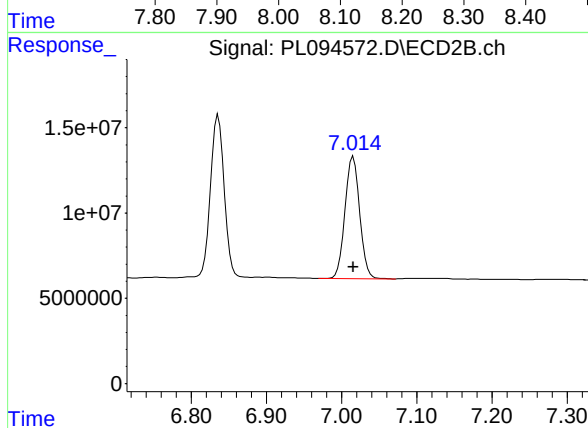
#21 Endrin ketone

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



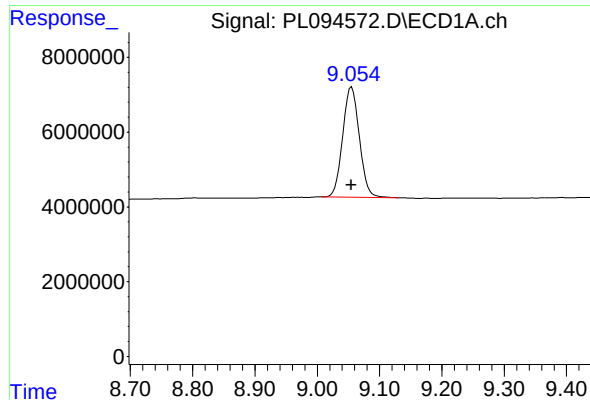
#22 Mirex

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



#22 Mirex

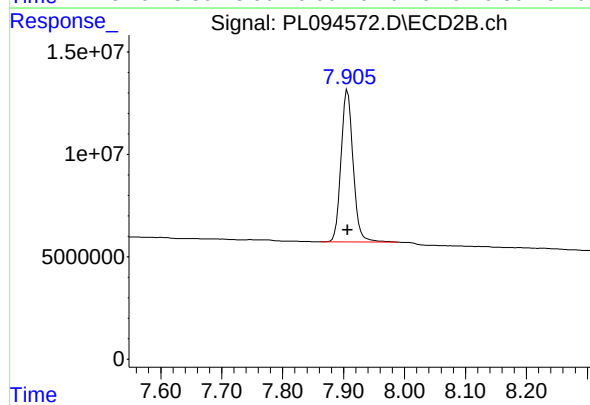
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 97357778
Conc: 26.22 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

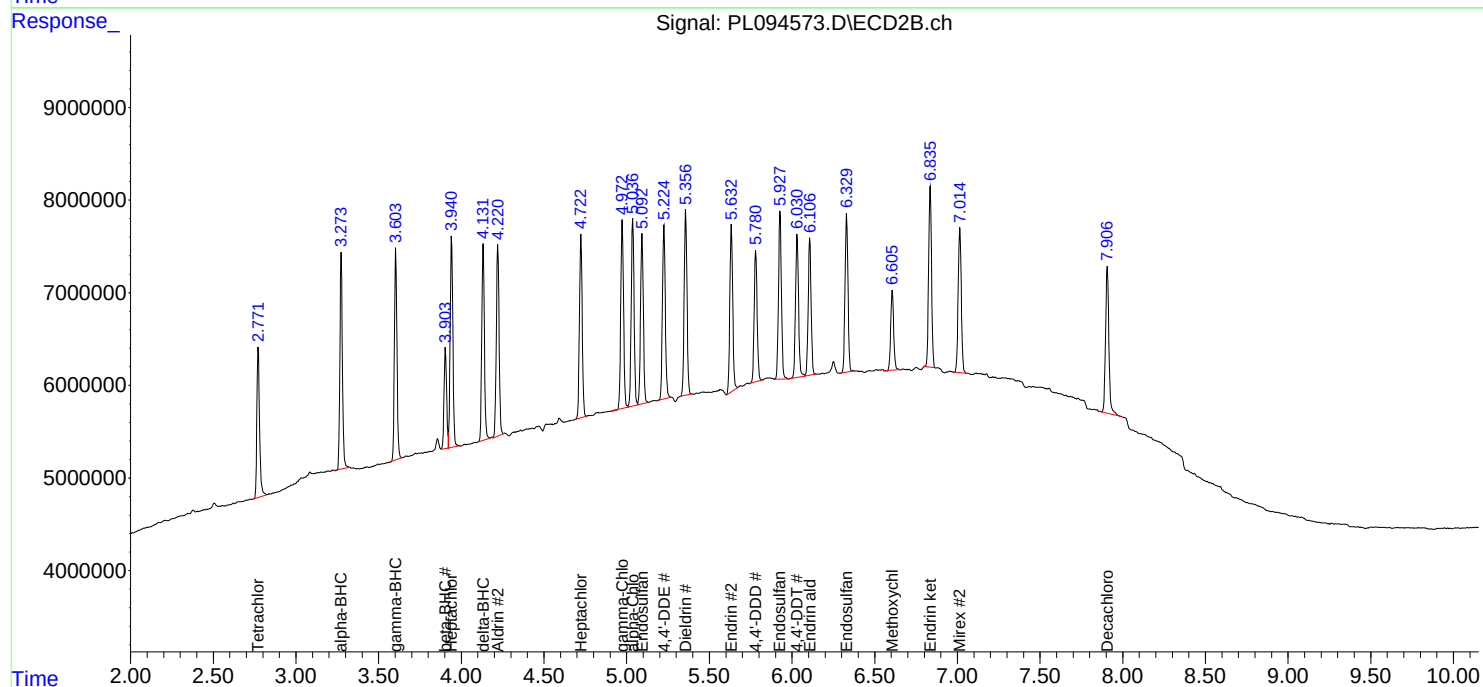
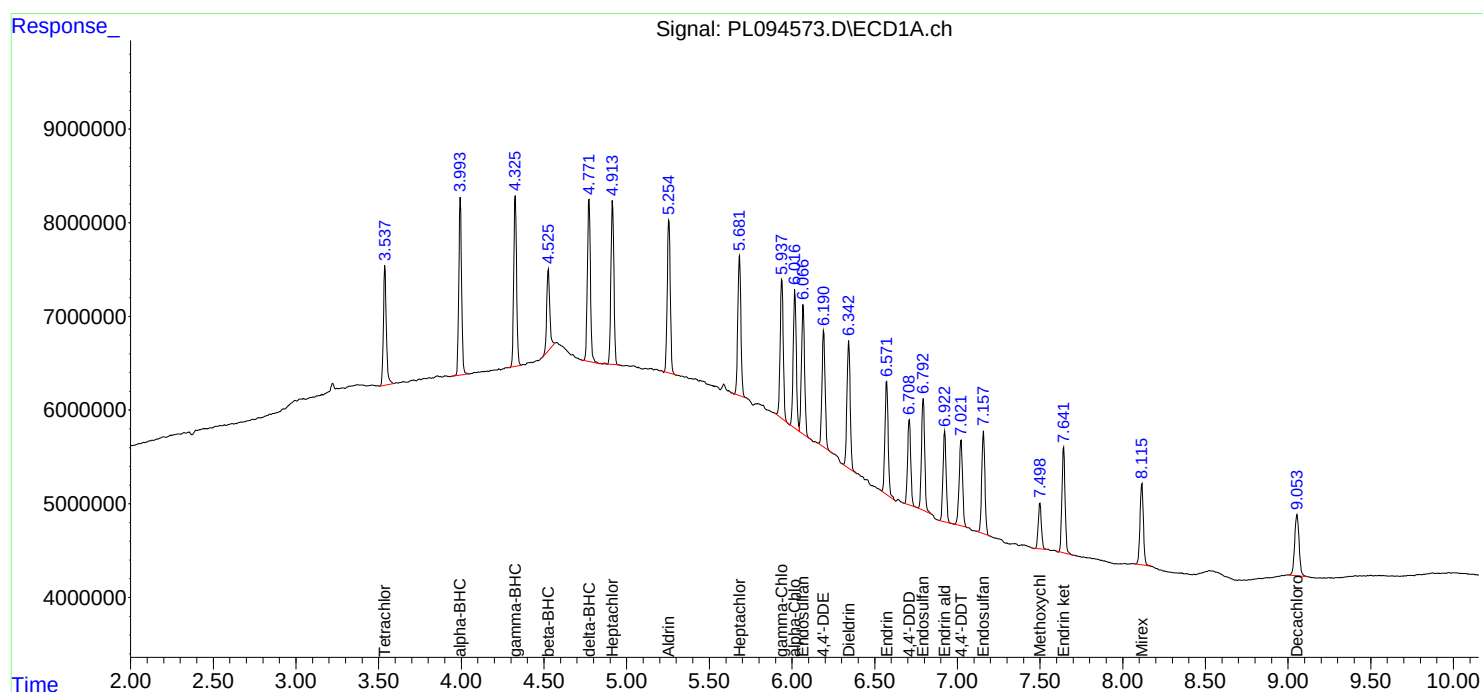
Manual Integrations

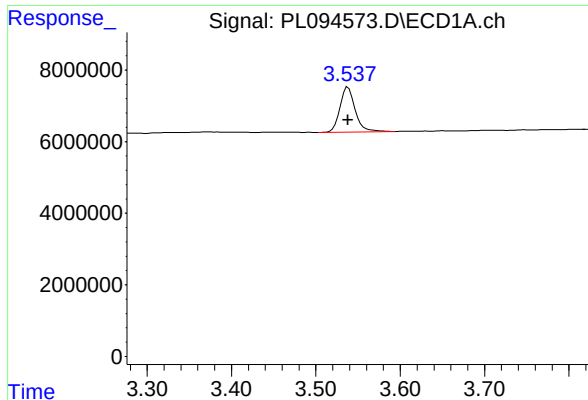
APPROVED

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

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

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





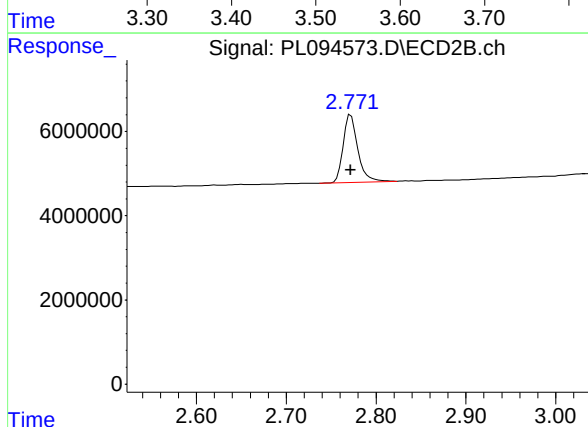
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

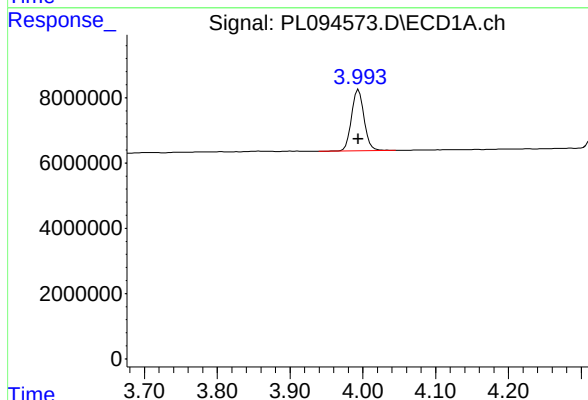
Manual Integrations
APPROVED

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



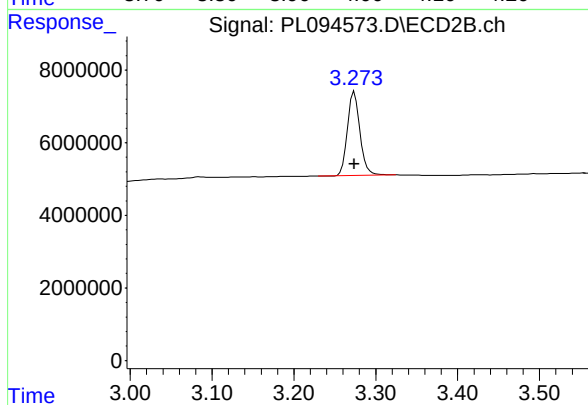
#1 Tetrachloro-m-xylene

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



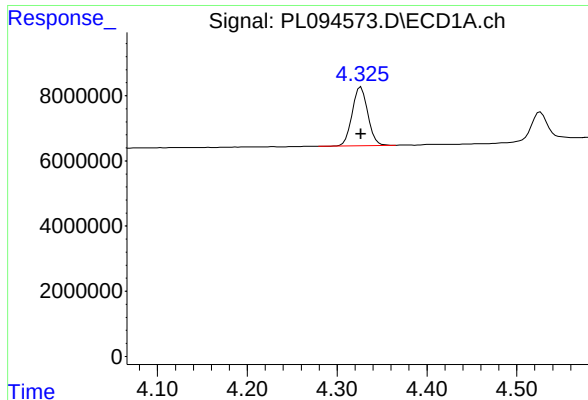
#2 alpha-BHC

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



#2 alpha-BHC

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



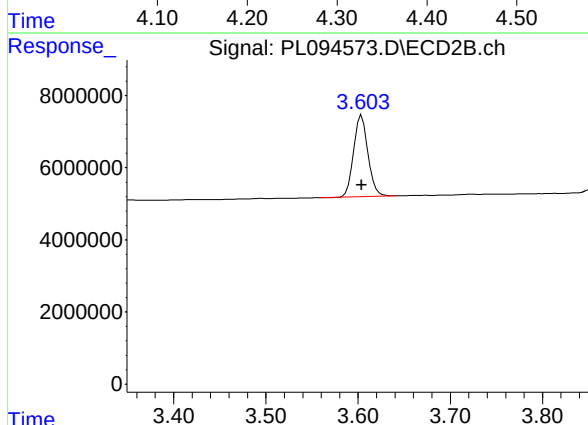
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

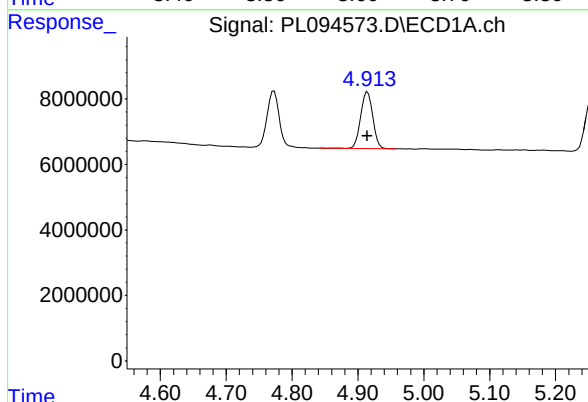
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



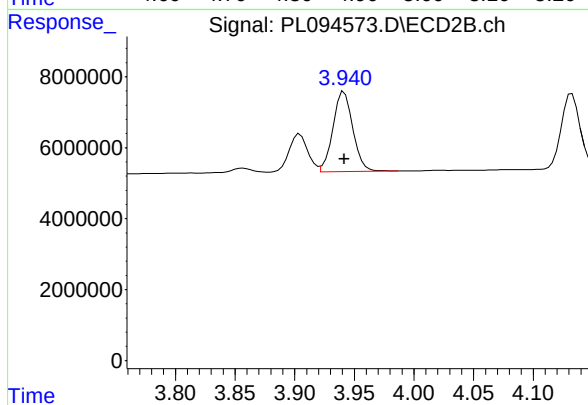
#3 gamma-BHC (Lindane)

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



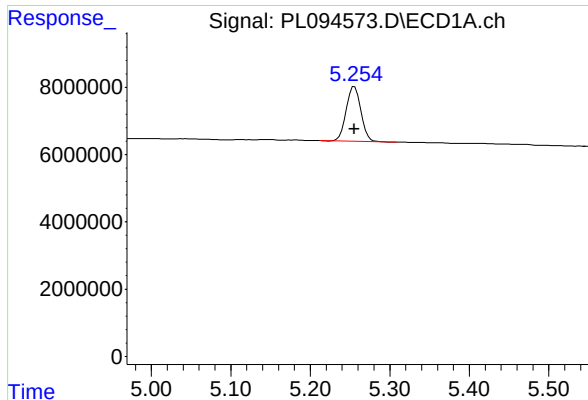
#4 Heptachlor

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



#4 Heptachlor

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



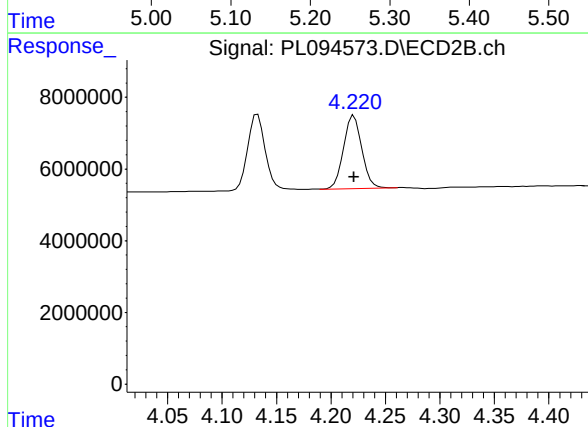
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

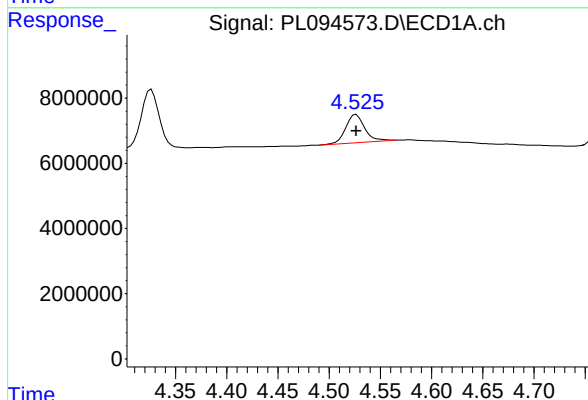
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



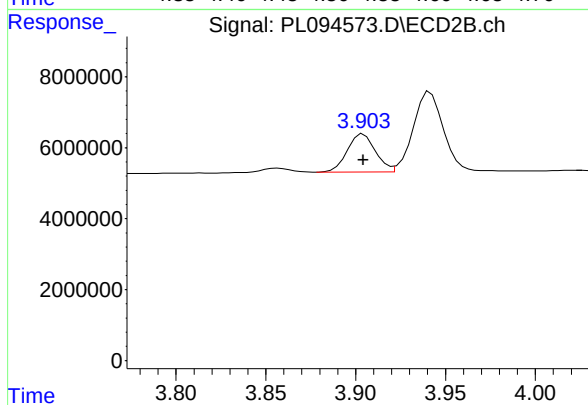
#5 Aldrin

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



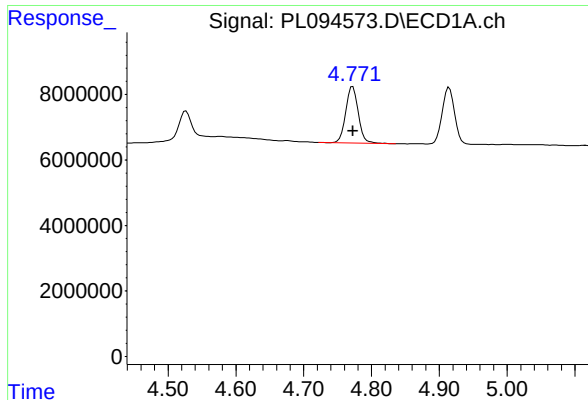
#6 beta-BHC

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



#6 beta-BHC

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



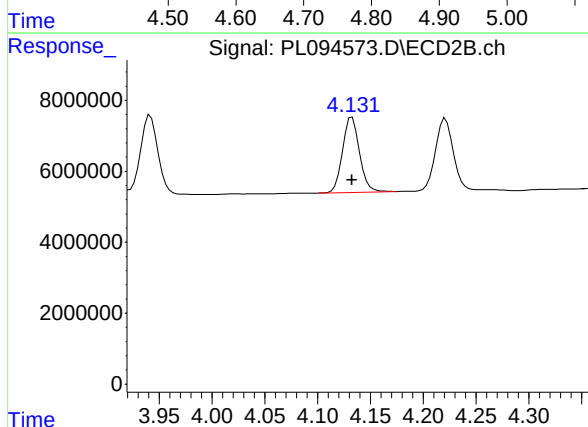
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

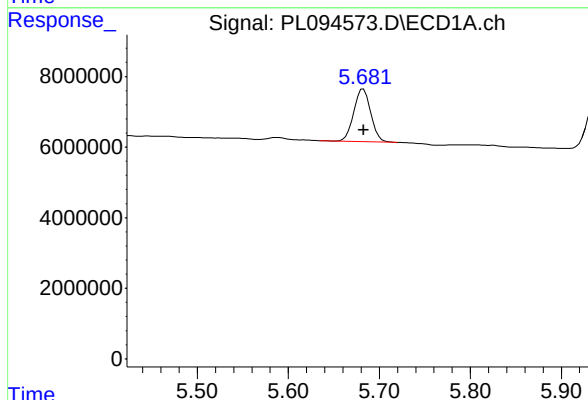
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



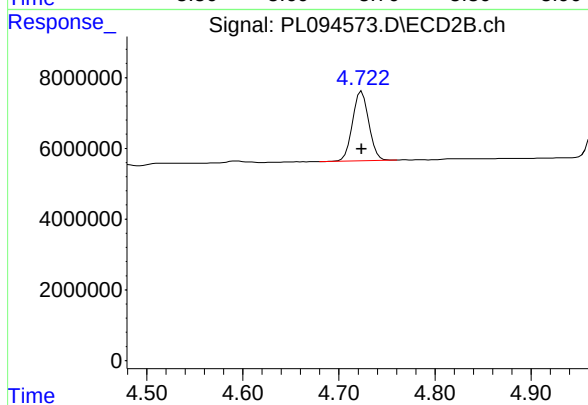
#7 delta-BHC

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



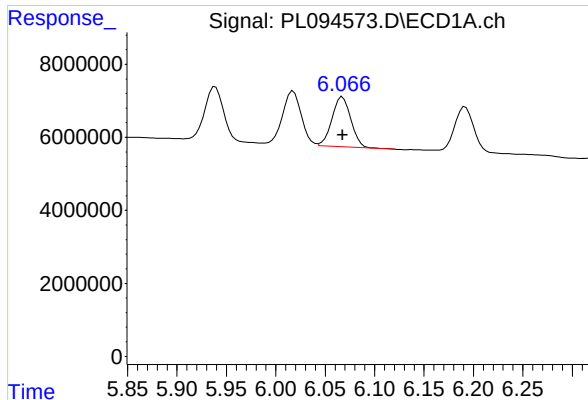
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



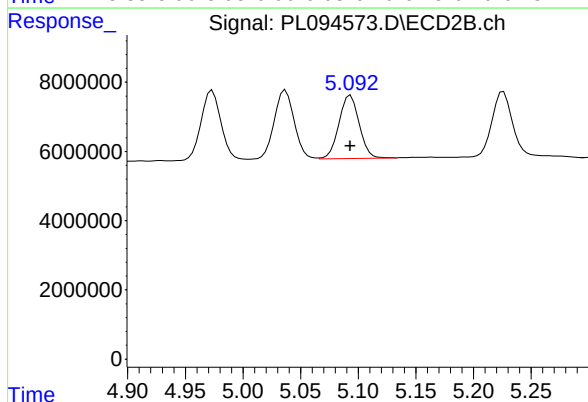
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

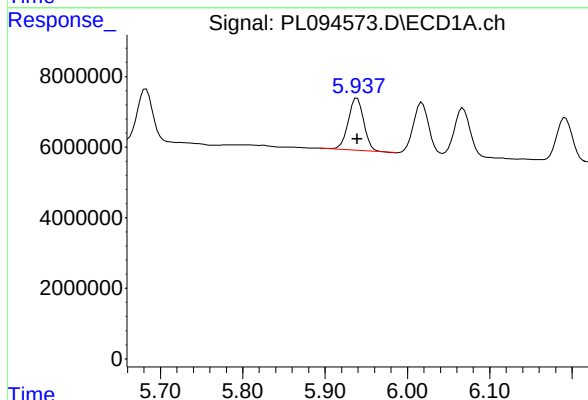
Manual Integrations
APPROVED

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



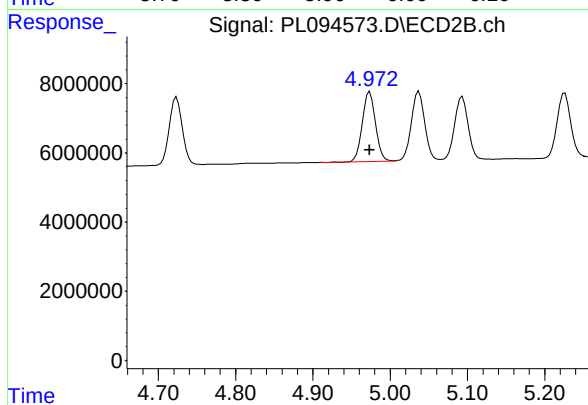
#9 Endosulfan I

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



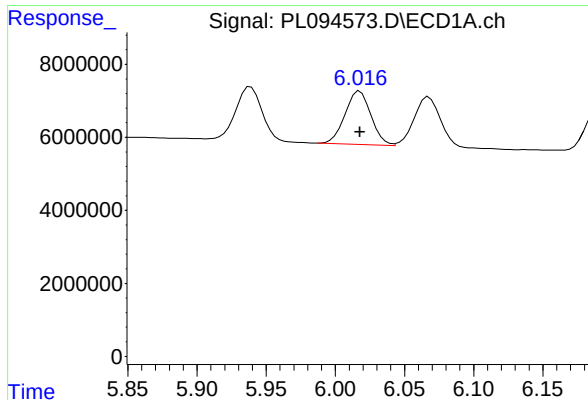
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



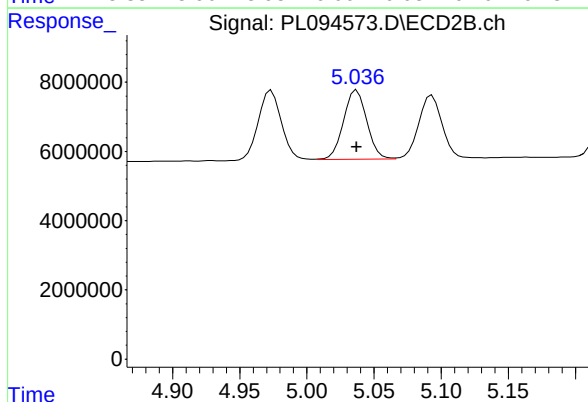
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

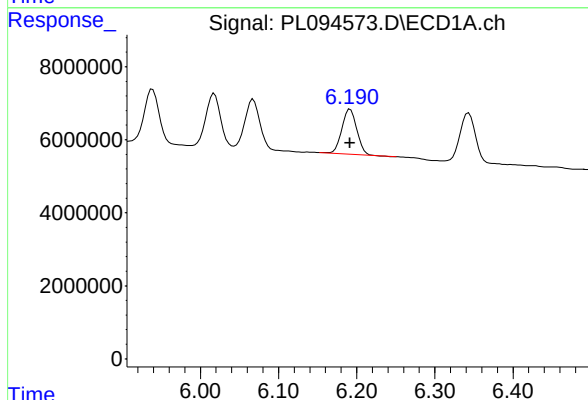
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



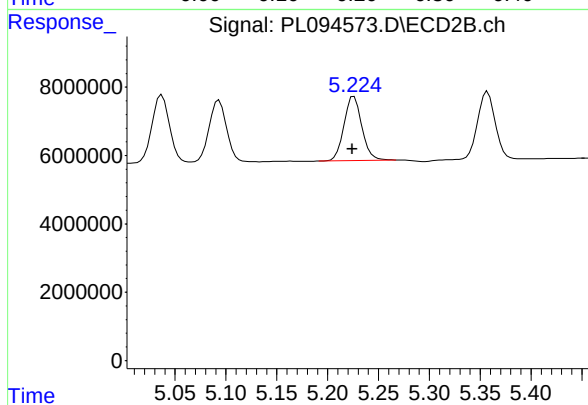
#11 alpha-Chlordane

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



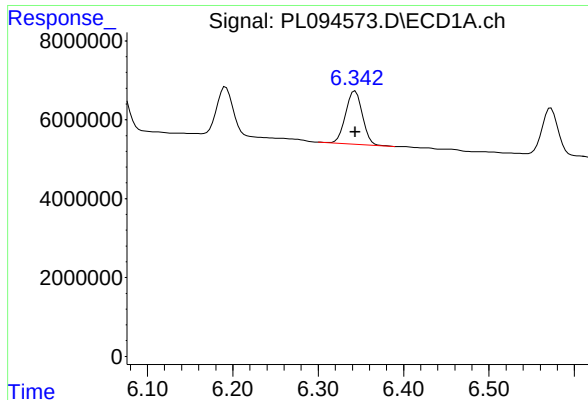
#12 4,4'-DDE

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



#12 4,4'-DDE

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



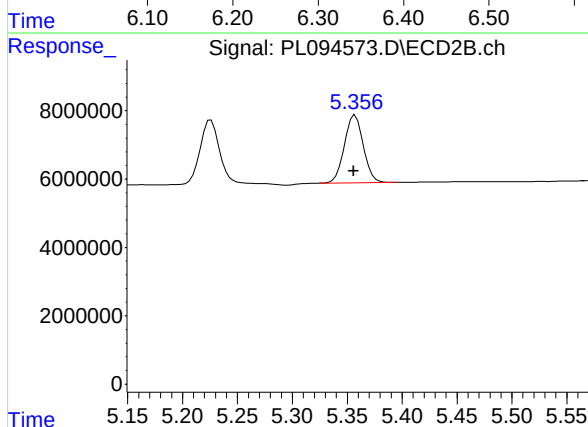
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

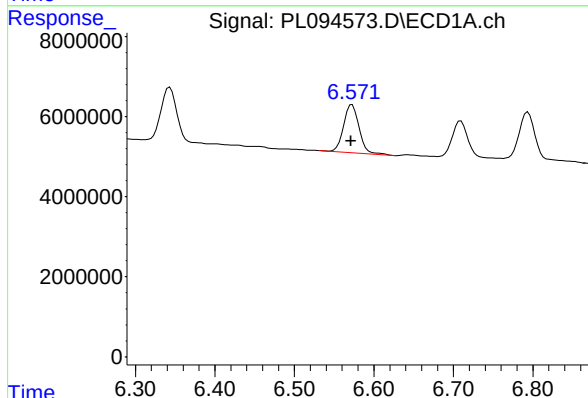
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



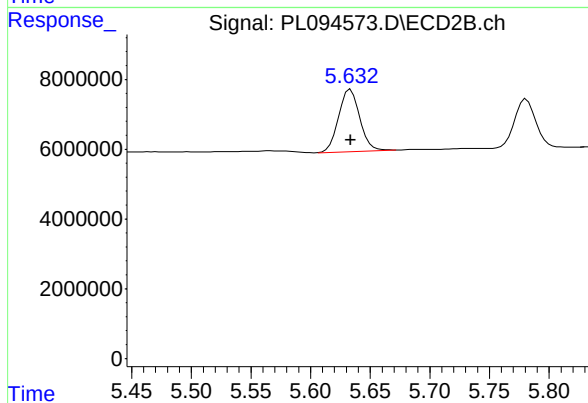
#13 Dieldrin

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



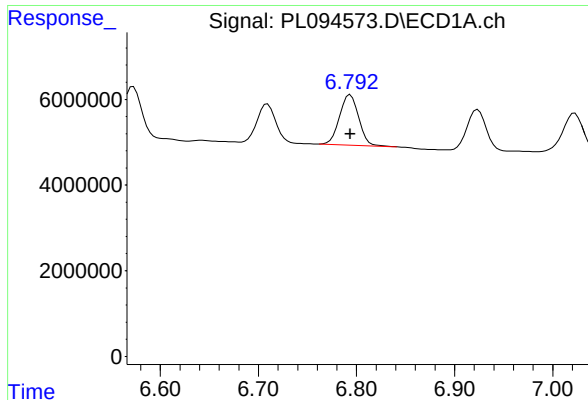
#14 Endrin

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



#14 Endrin

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



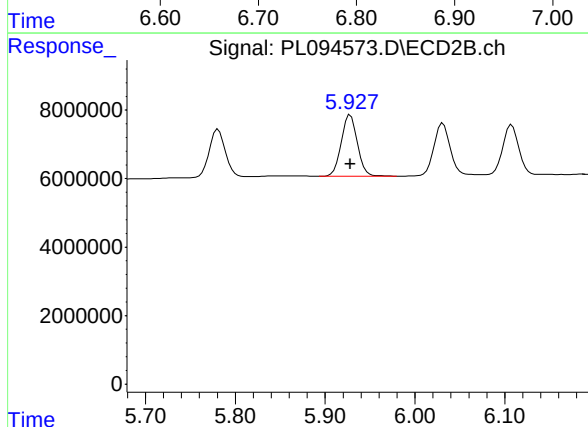
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

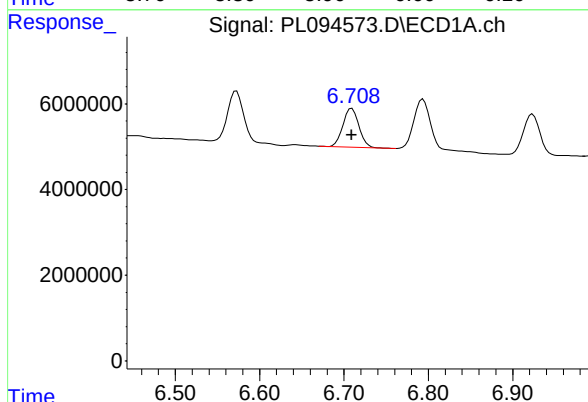
Manual Integrations
APPROVED

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



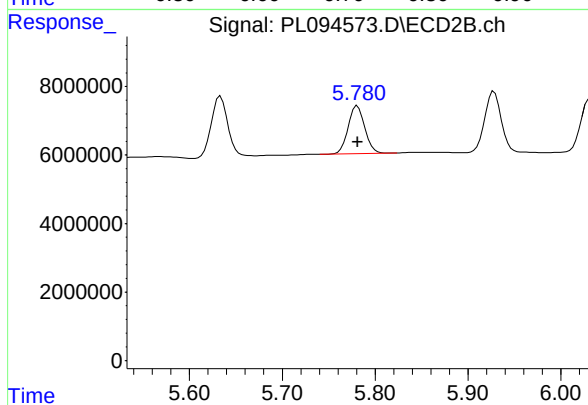
#15 Endosulfan II

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



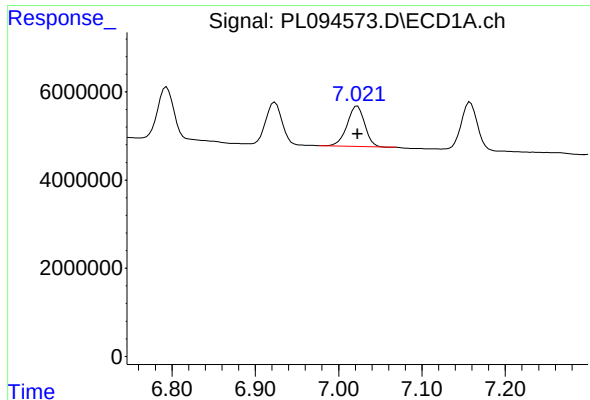
#16 4,4'-DDD

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



#16 4,4'-DDD

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



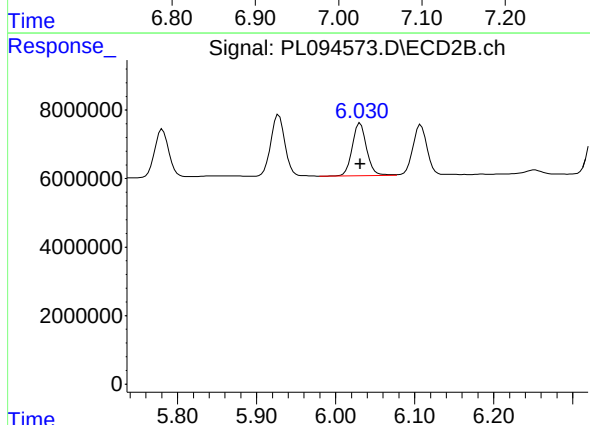
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

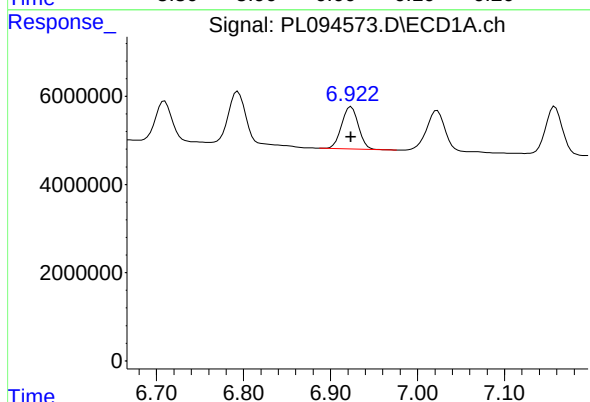
Manual Integrations
APPROVED

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



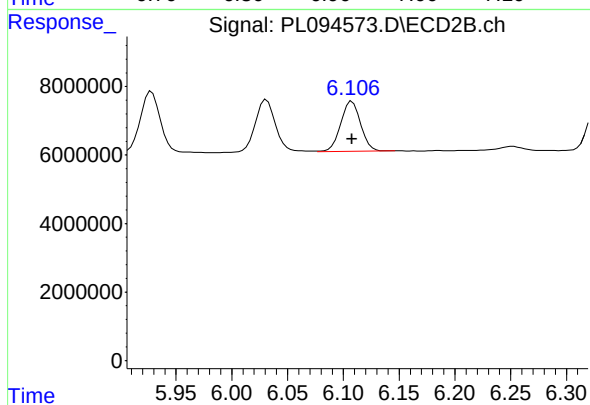
#17 4,4'-DDT

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



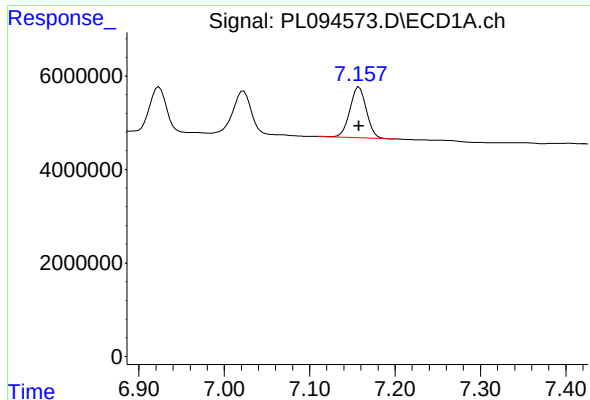
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



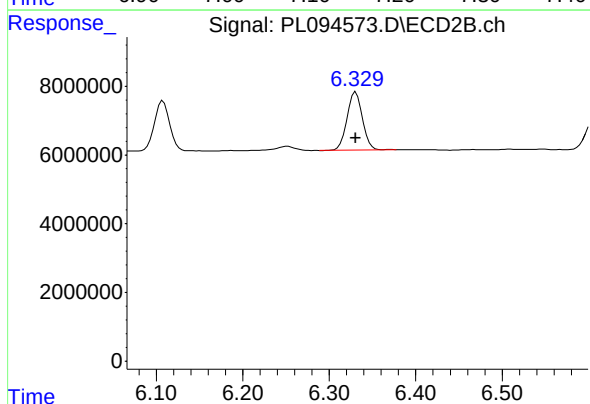
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

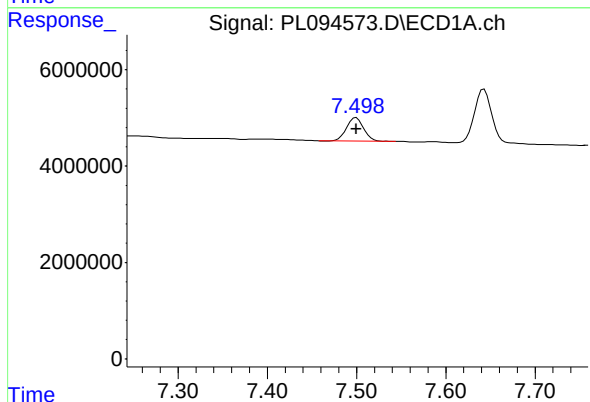
Manual Integrations
APPROVED

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



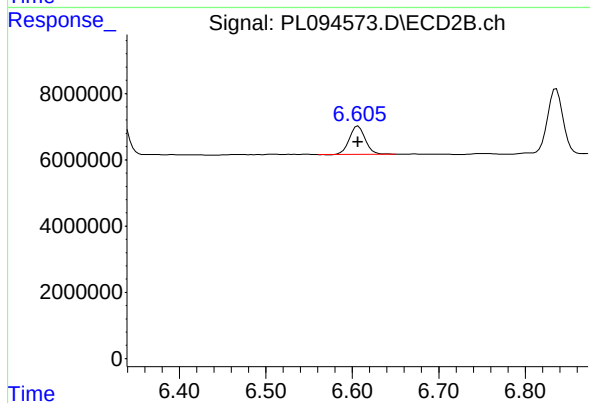
#19 Endosulfan Sulfate

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



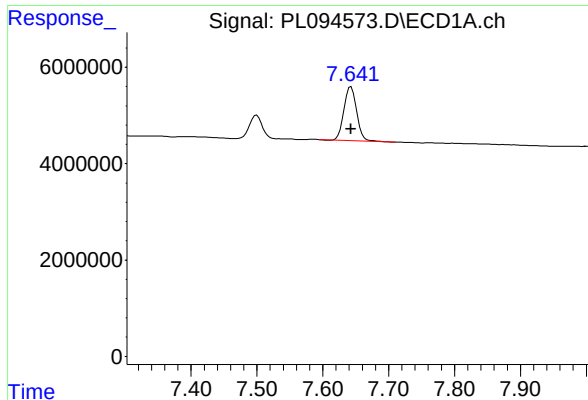
#20 Methoxychlor

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



#20 Methoxychlor

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



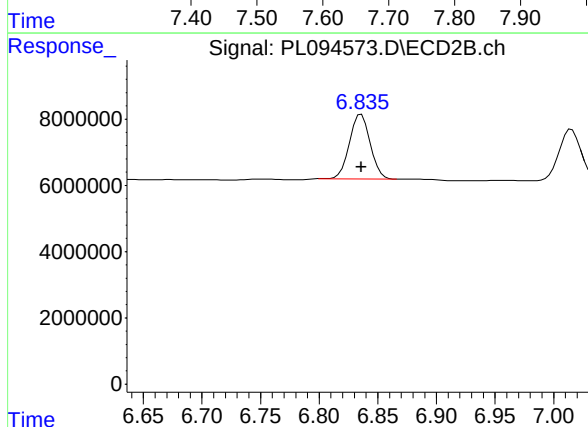
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

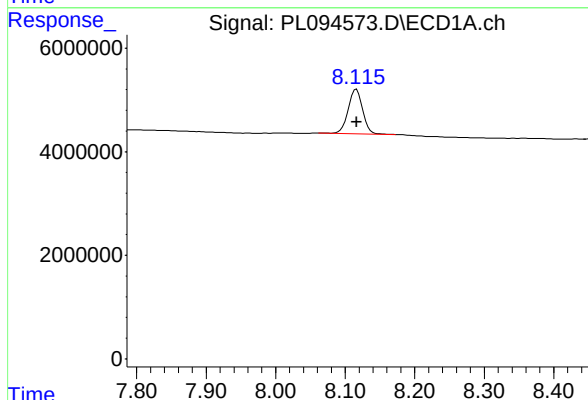
Manual Integrations
APPROVED

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



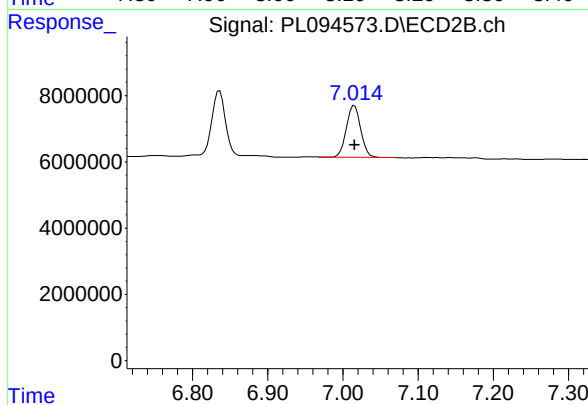
#21 Endrin ketone

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



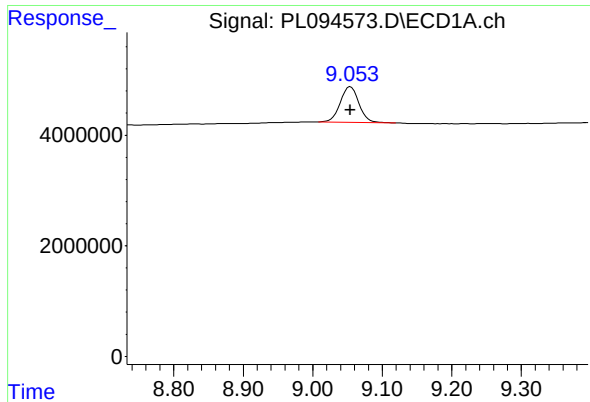
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

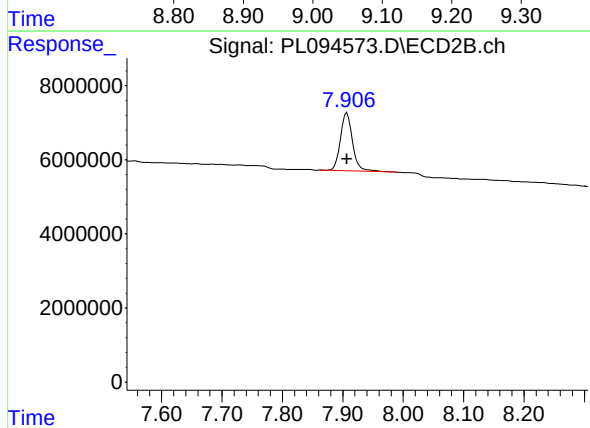
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

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

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

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

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

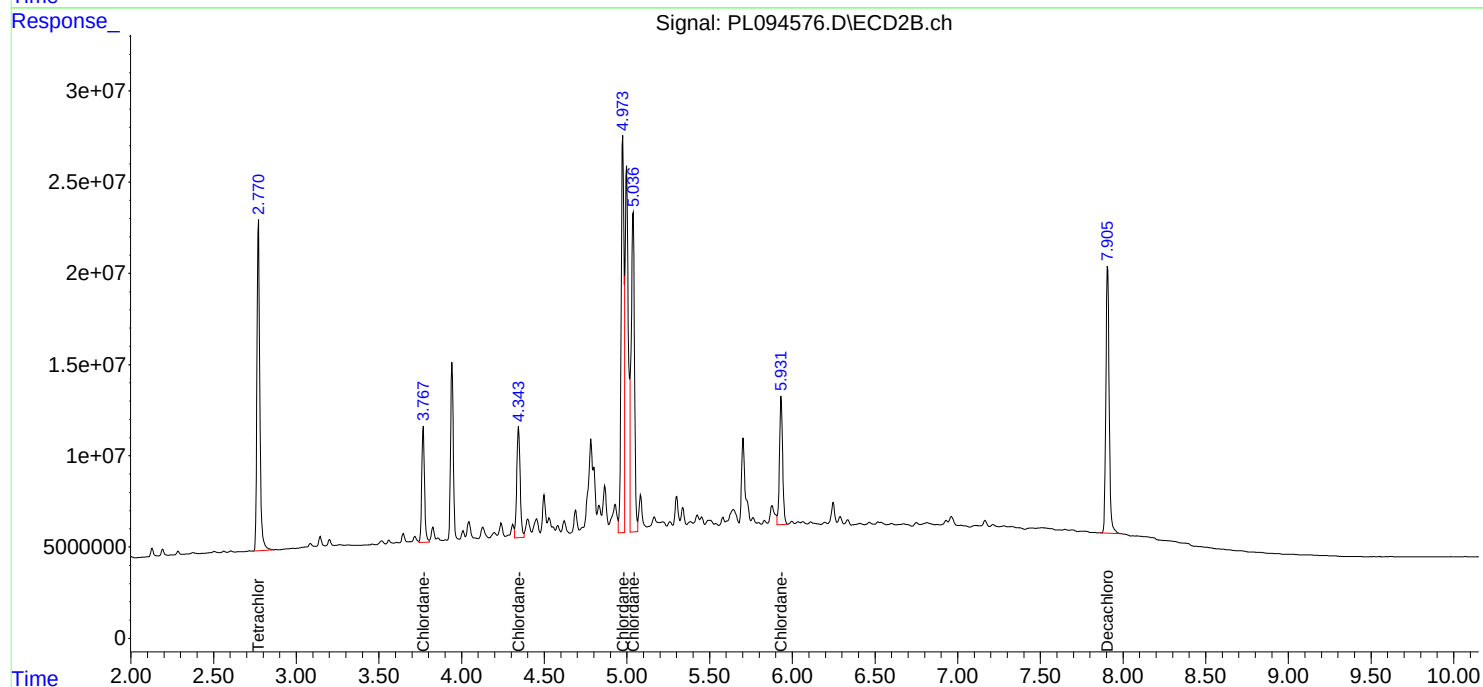
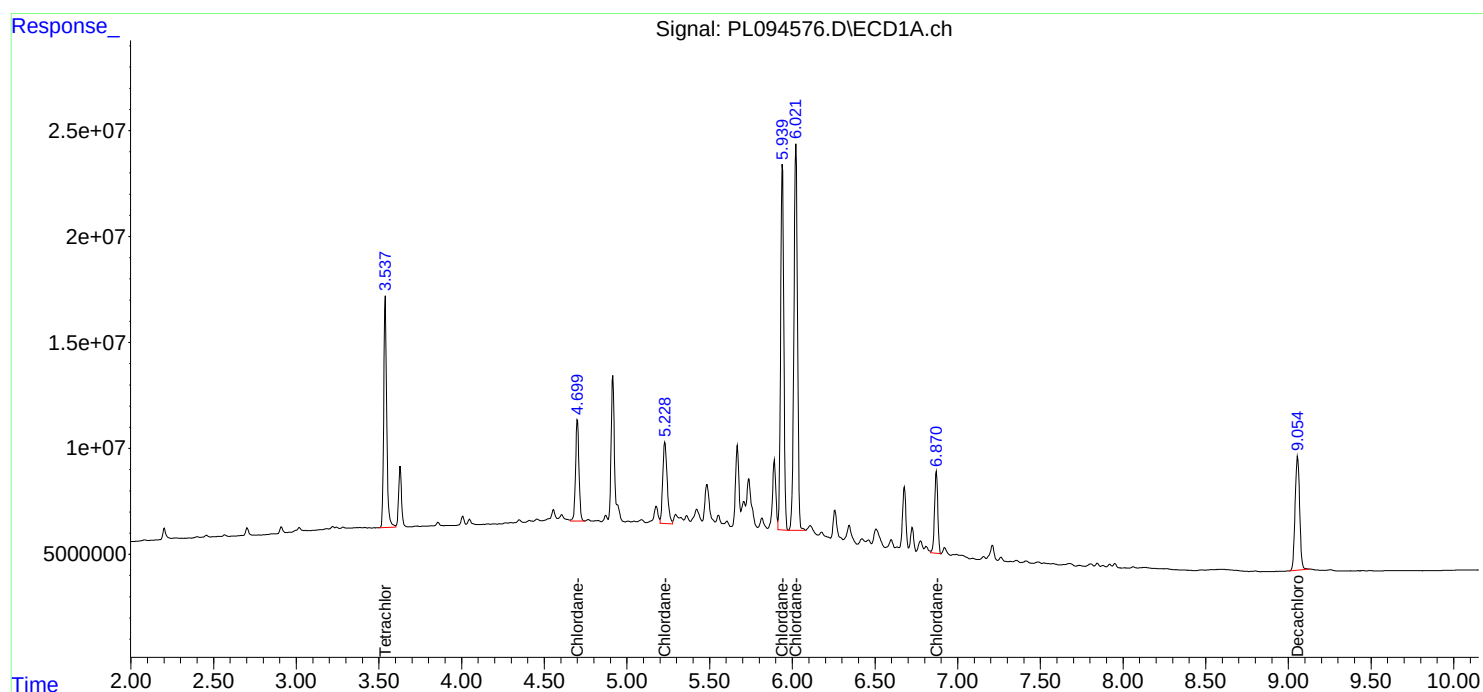
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

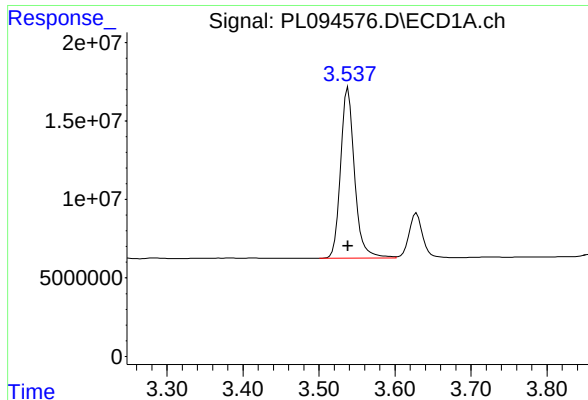
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

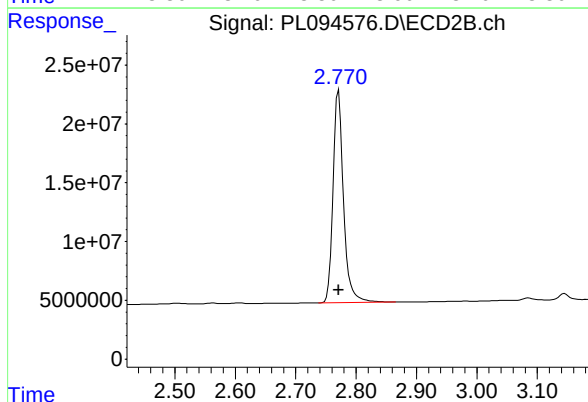




#1 Tetrachloro-m-xylene

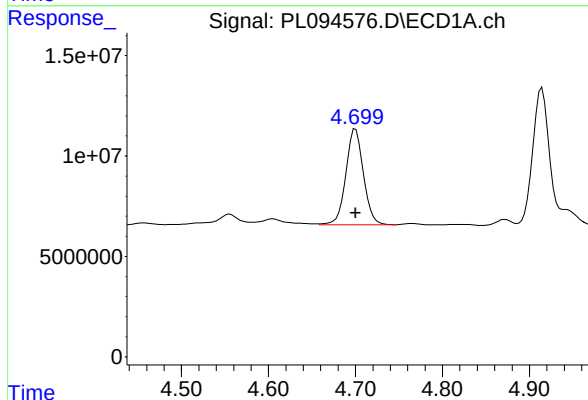
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137550046
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



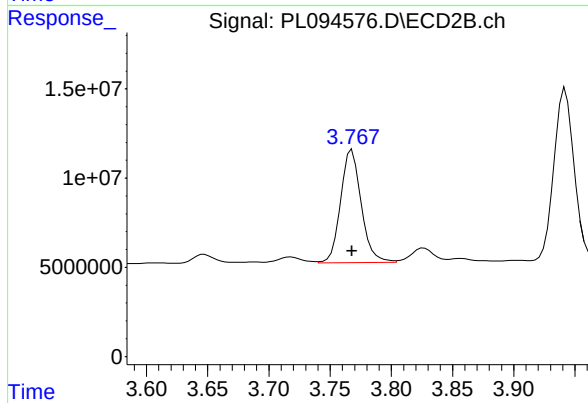
#1 Tetrachloro-m-xylene

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



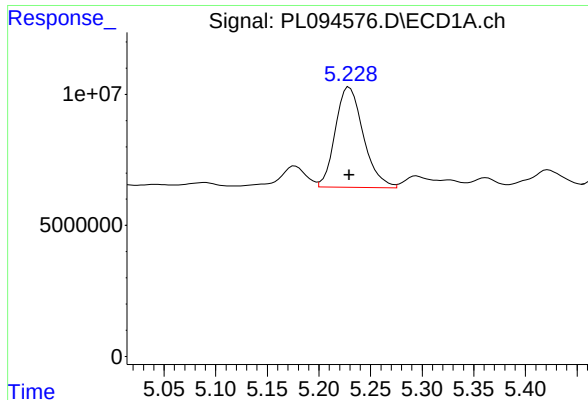
#23 Chlordane-1

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



#23 Chlordane-1

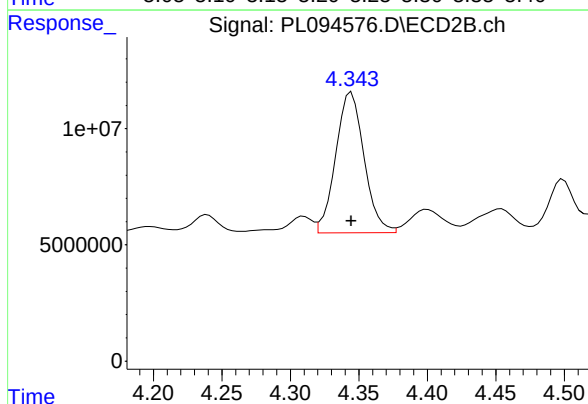
R.T.: 3.768 min
Delta R.T.: 0.000 min
Response: 74220750
Conc: 500.00 ng/ml



#24 Chlordane-2

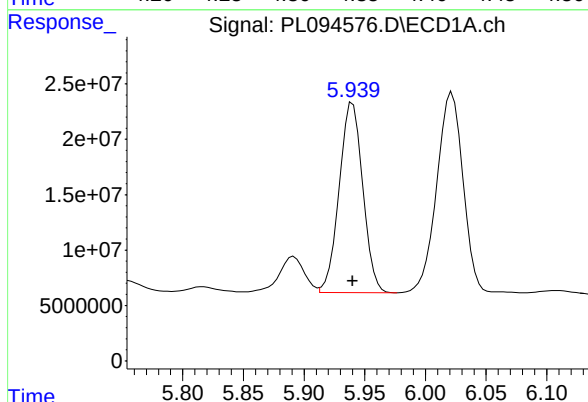
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 72325929
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



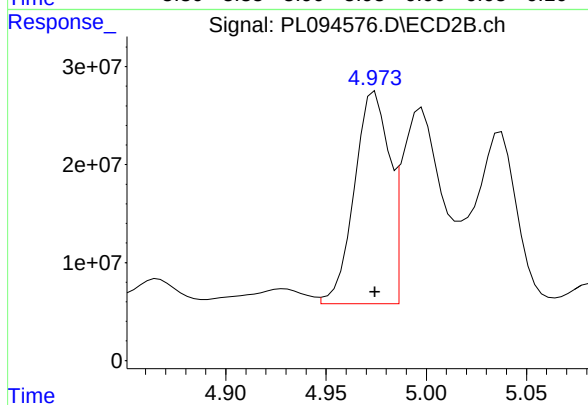
#24 Chlordane-2

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



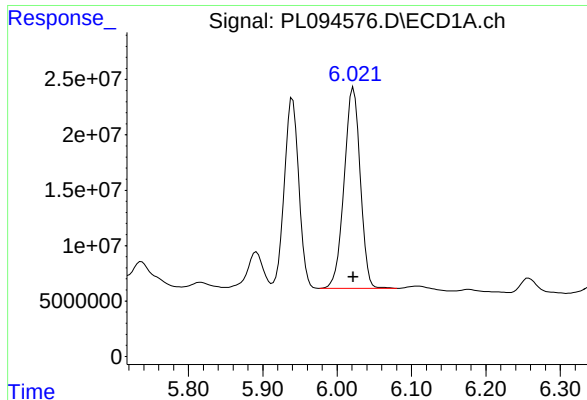
#25 Chlordane-3

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



#25 Chlordane-3

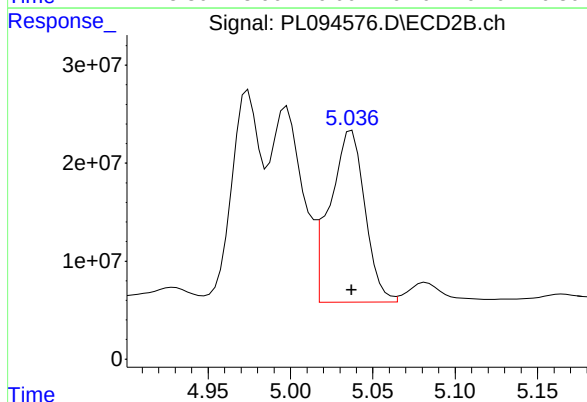
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 261258464
Conc: 500.00 ng/ml



#26 Chlordane-4

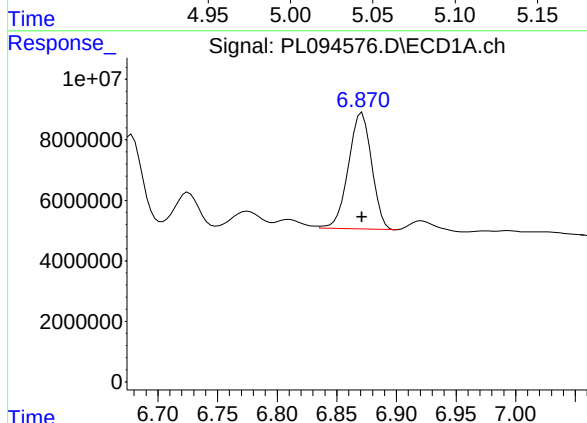
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 273855108
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



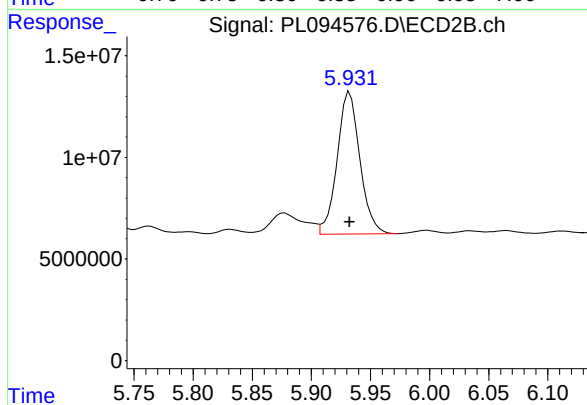
#26 Chlordane-4

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



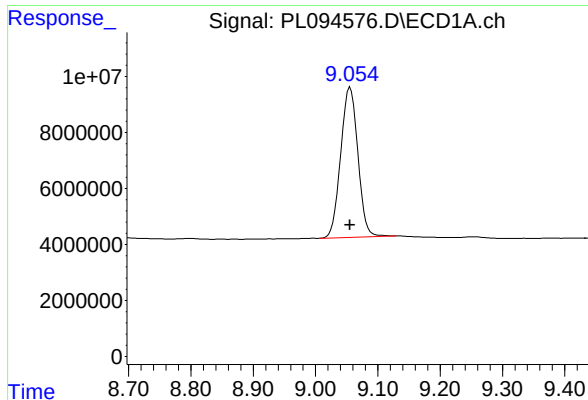
#27 Chlordane-5

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



#27 Chlordane-5

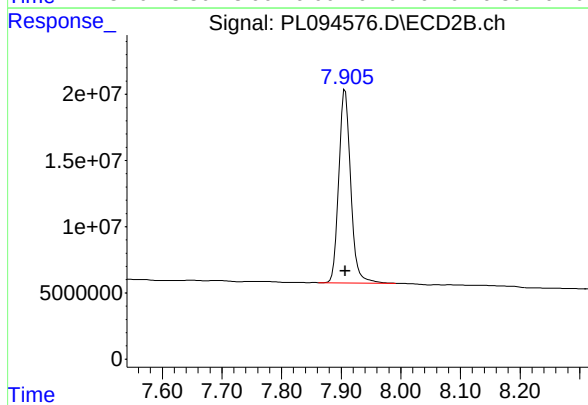
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 93588494
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

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

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

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

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

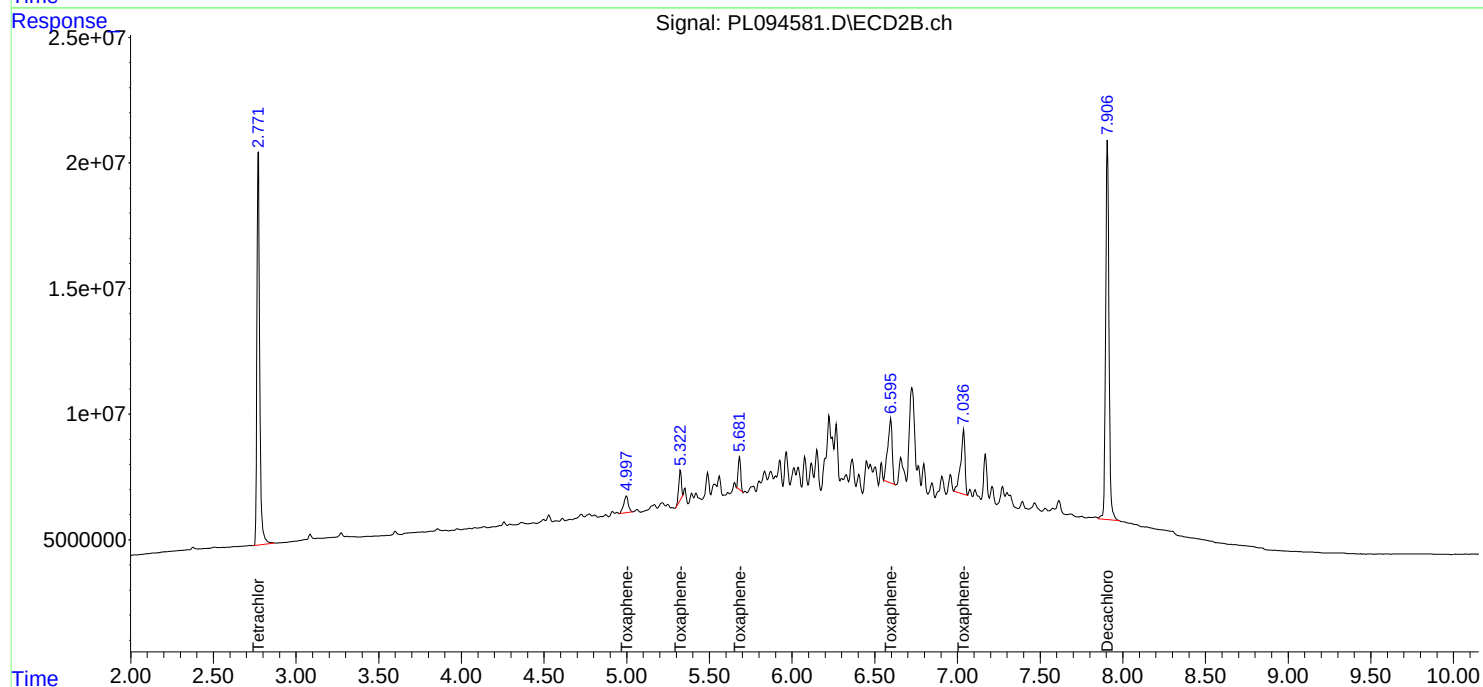
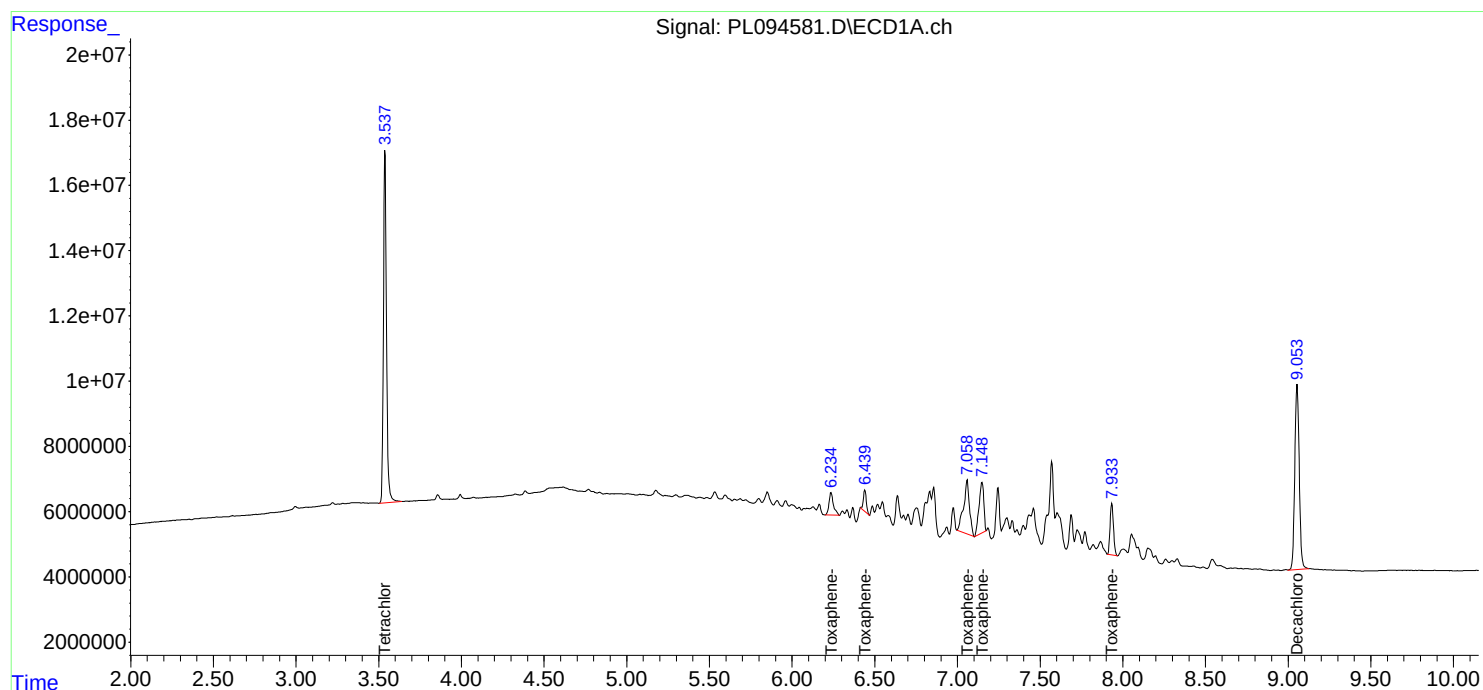
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

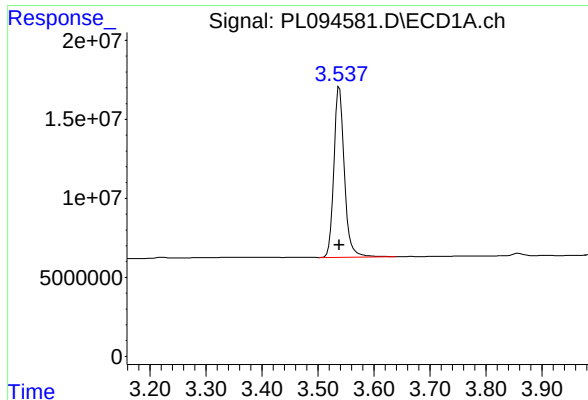
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

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

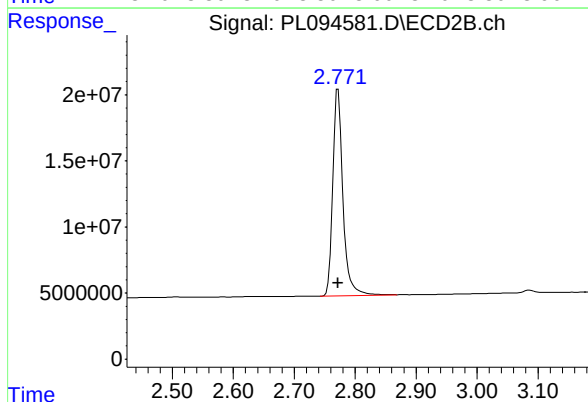




#1 Tetrachloro-m-xylene

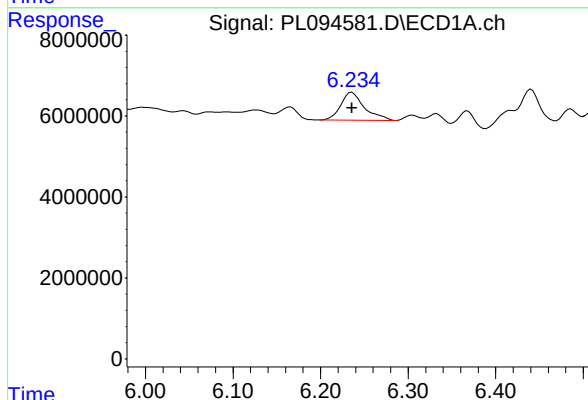
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 140277499
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



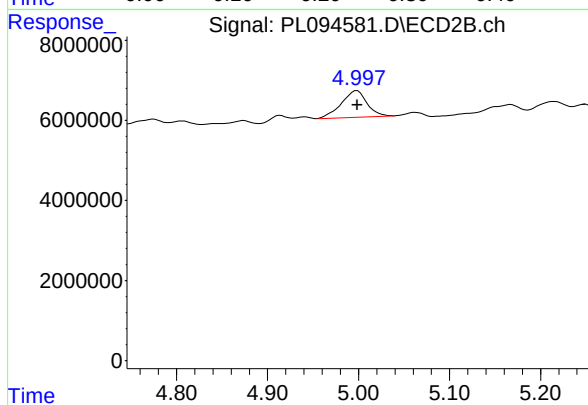
#1 Tetrachloro-m-xylene

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



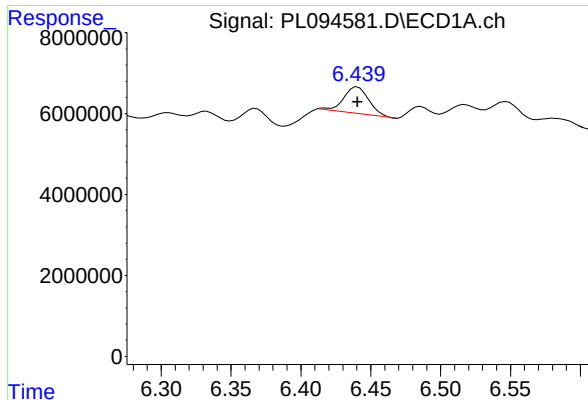
#2 Toxaphene-1

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



#2 Toxaphene-1

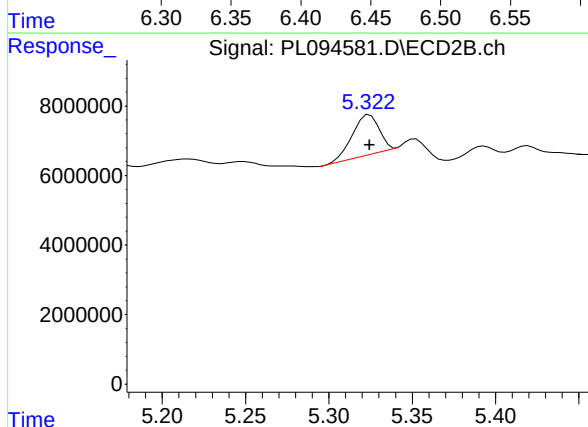
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 13010166
Conc: 500.00 ng/ml



#3 Toxaphene-2

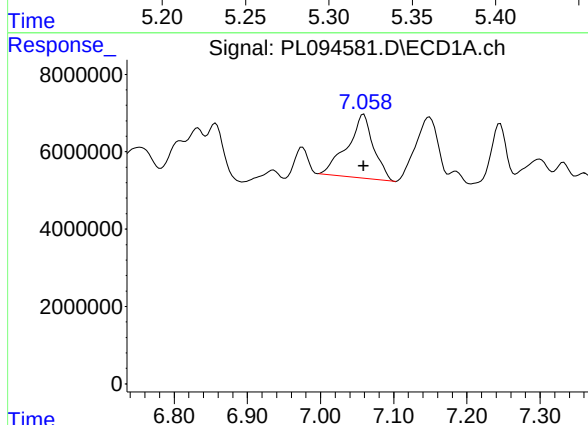
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 8198781
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



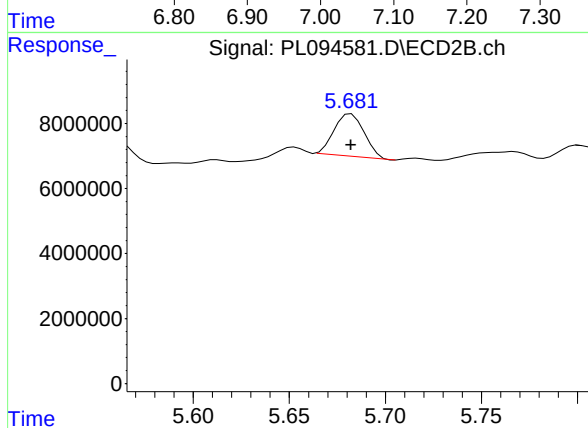
#3 Toxaphene-2

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



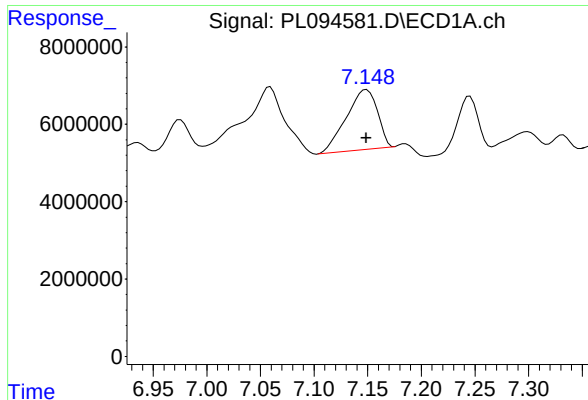
#4 Toxaphene-3

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



#4 Toxaphene-3

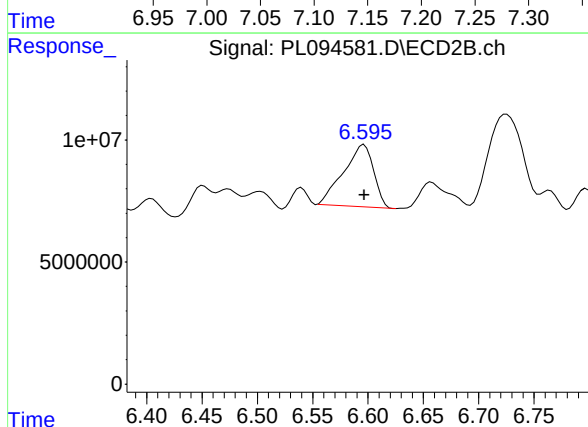
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 14118201
Conc: 500.00 ng/ml



#5 Toxaphene-4

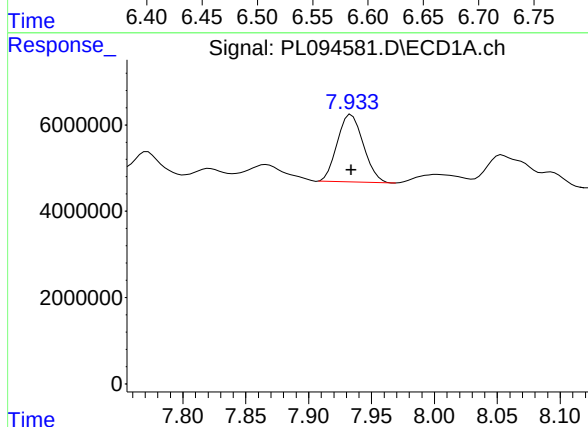
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 31471621
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



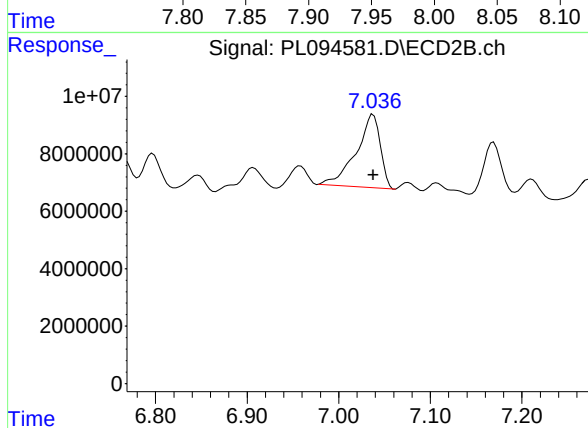
#5 Toxaphene-4

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



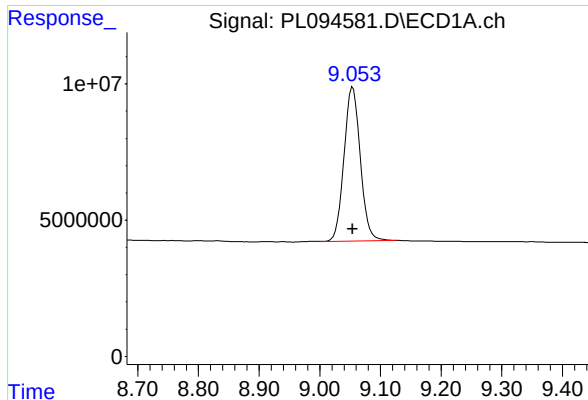
#6 Toxaphene-5

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



#6 Toxaphene-5

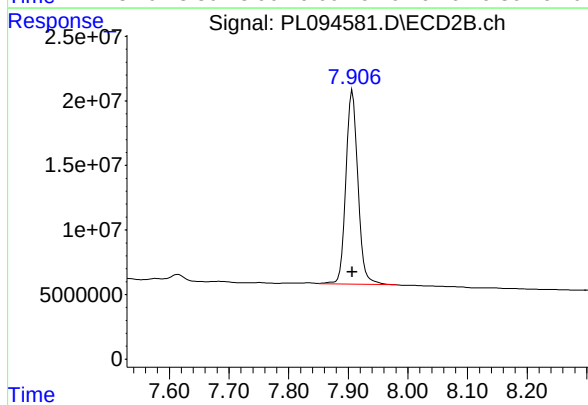
R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 46668809
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL031125

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

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

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

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

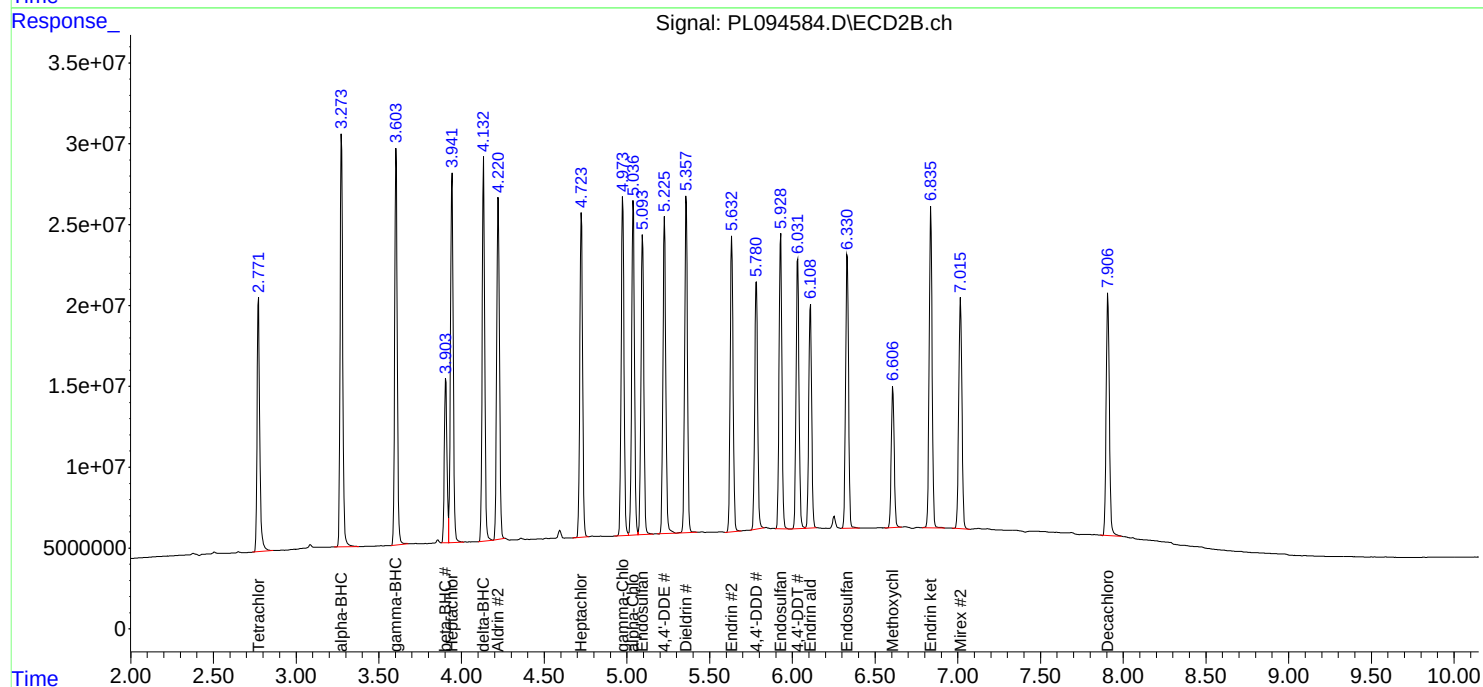
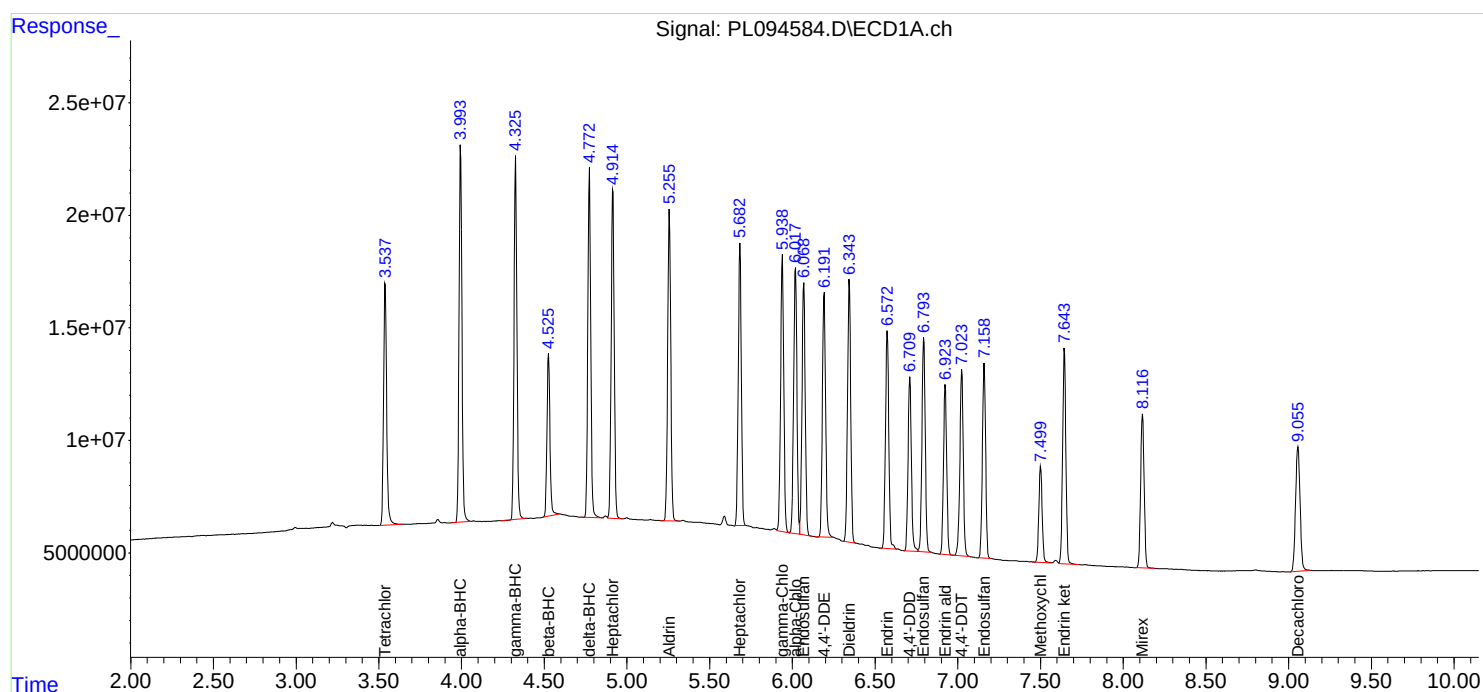
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

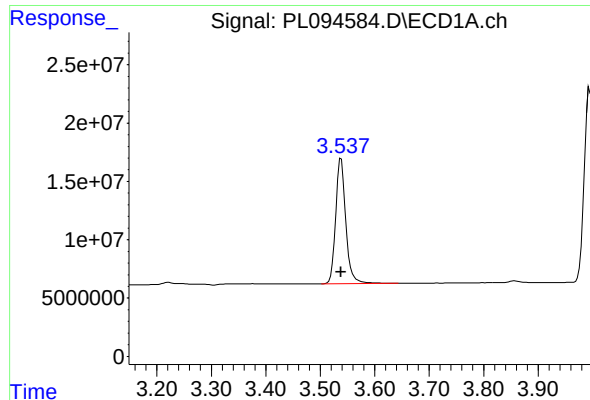
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL031125

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

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

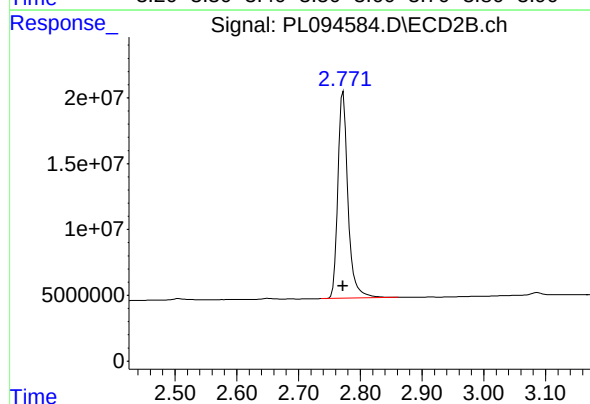




#1 Tetrachloro-m-xylene

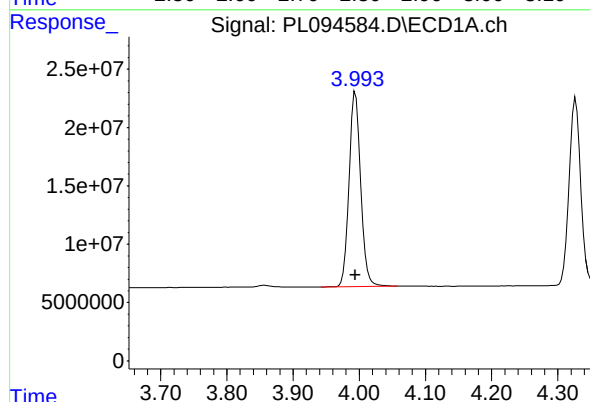
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 138556643
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



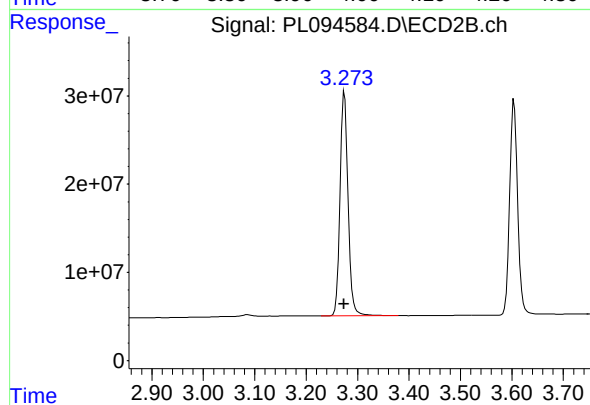
#1 Tetrachloro-m-xylene

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



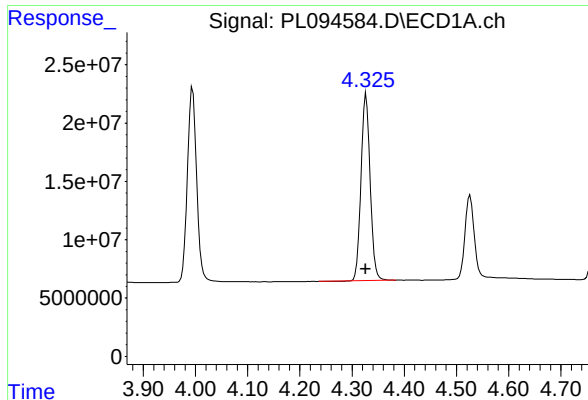
#2 alpha-BHC

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



#2 alpha-BHC

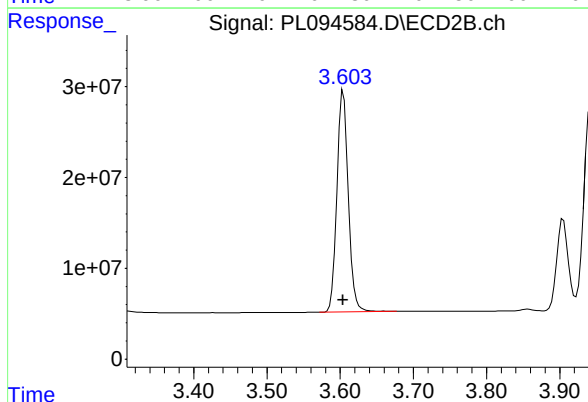
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 276756350
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

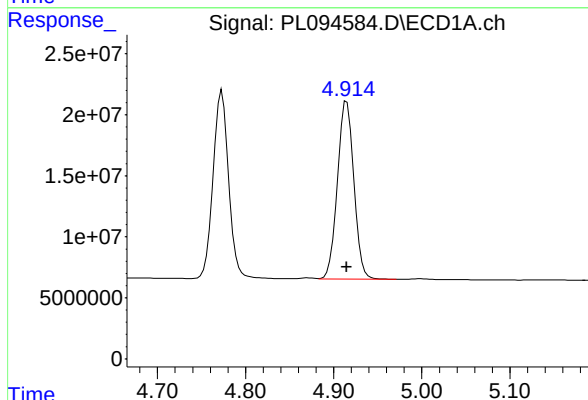
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 195230792
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



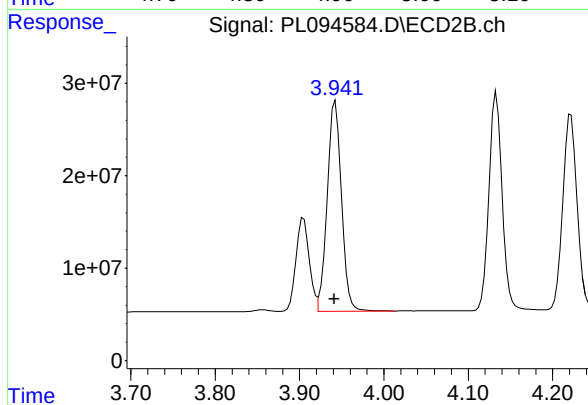
#3 gamma-BHC (Lindane)

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



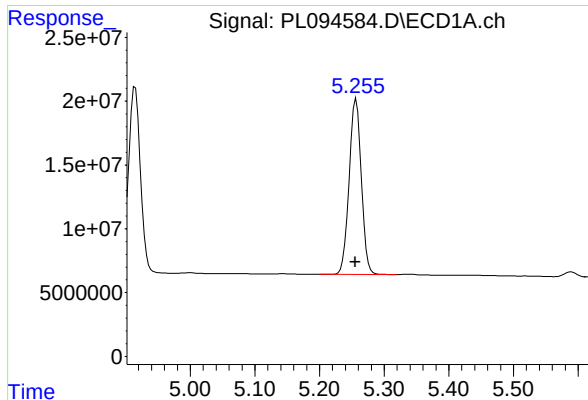
#4 Heptachlor

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



#4 Heptachlor

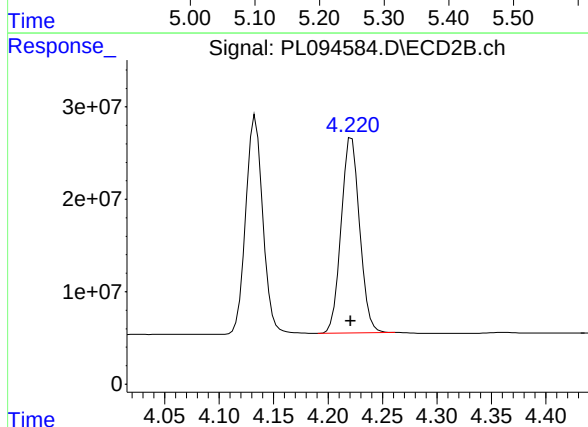
R.T.: 3.943 min
Delta R.T.: 0.000 min
Response: 267048442
Conc: 50.69 ng/ml



#5 Aldrin

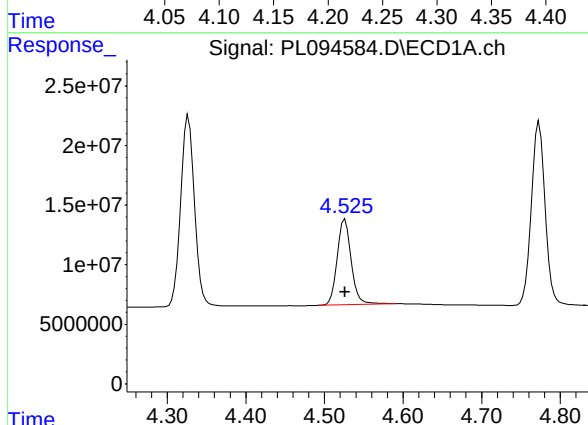
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 180179976
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



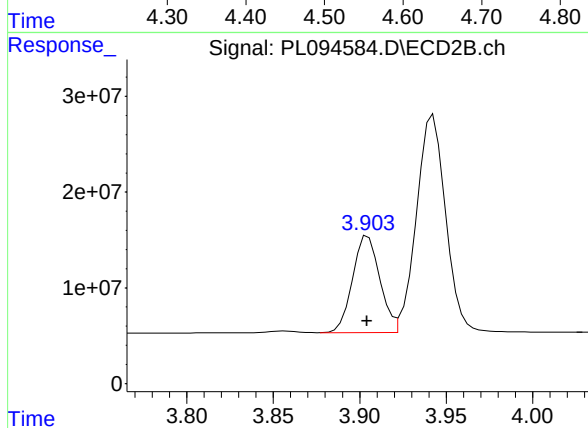
#5 Aldrin

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



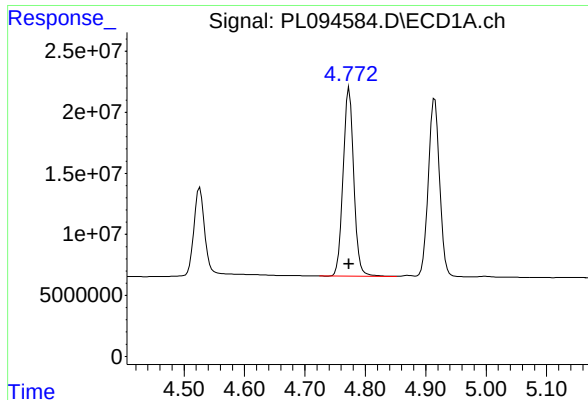
#6 beta-BHC

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



#6 beta-BHC

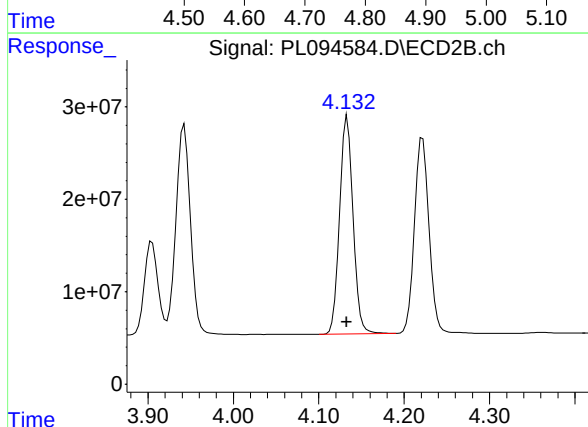
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 110828057
Conc: 49.89 ng/ml



#7 delta-BHC

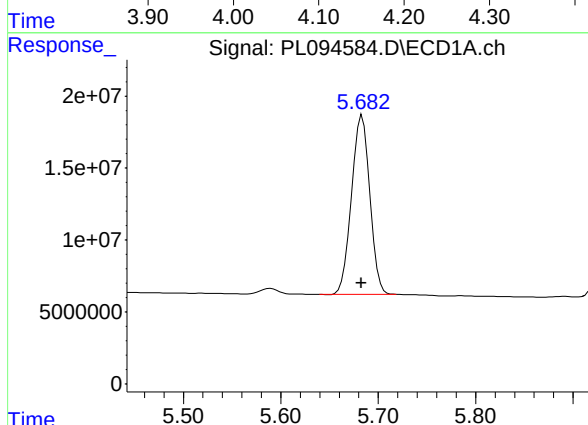
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 189296014
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



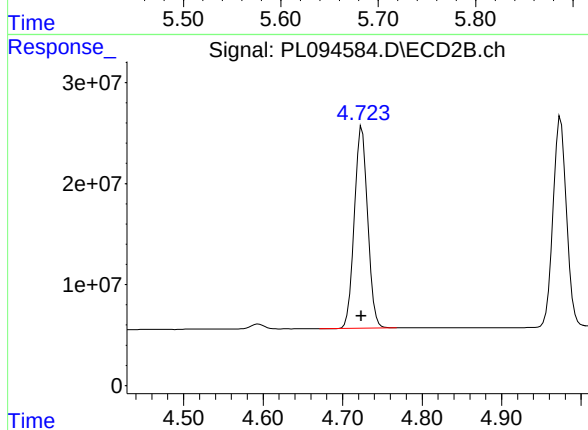
#7 delta-BHC

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



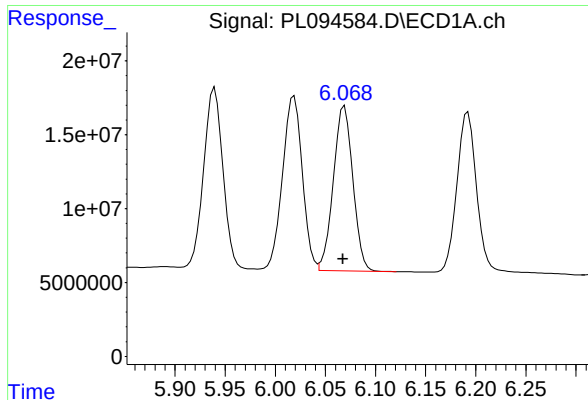
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

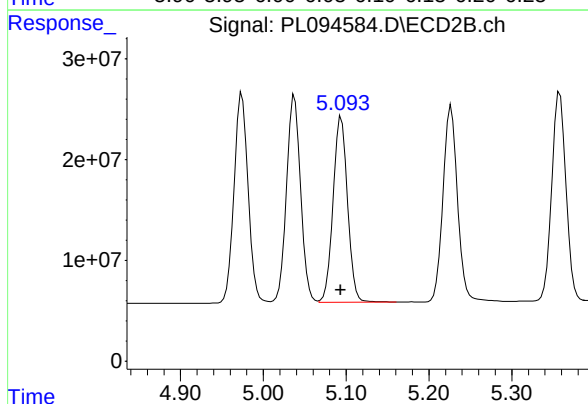
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 232821579
Conc: 50.85 ng/ml



#9 Endosulfan I

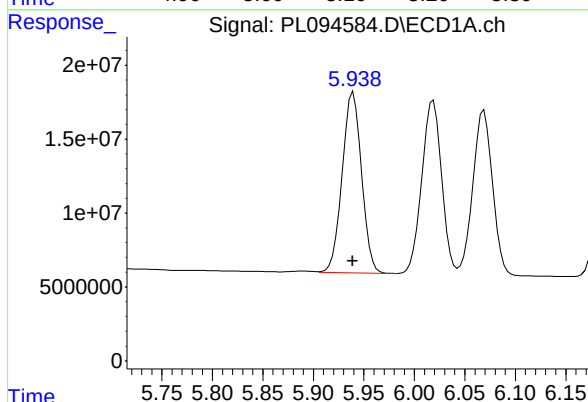
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 150376500
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



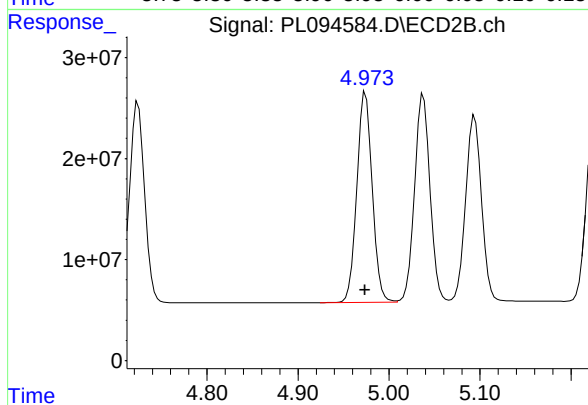
#9 Endosulfan I

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



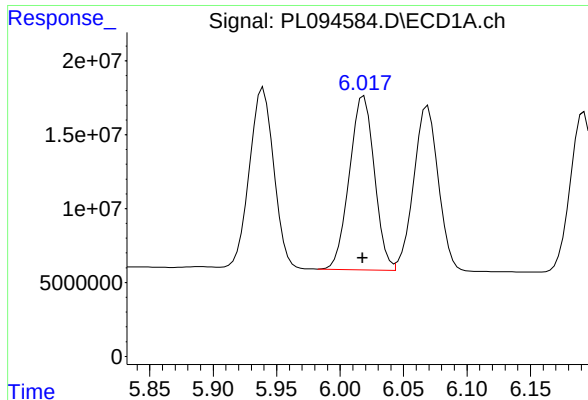
#10 gamma-Chlordane

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



#10 gamma-Chlordane

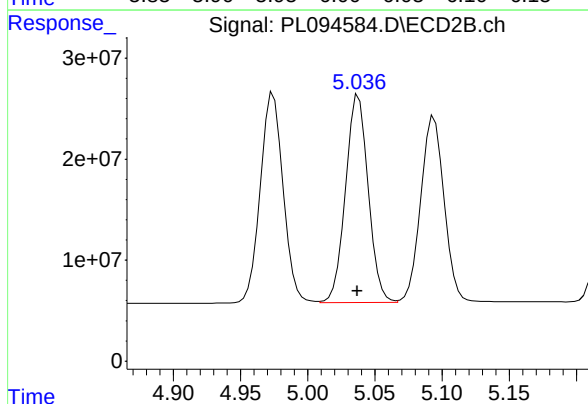
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 246248137
Conc: 51.00 ng/ml



#11 alpha-Chlordane

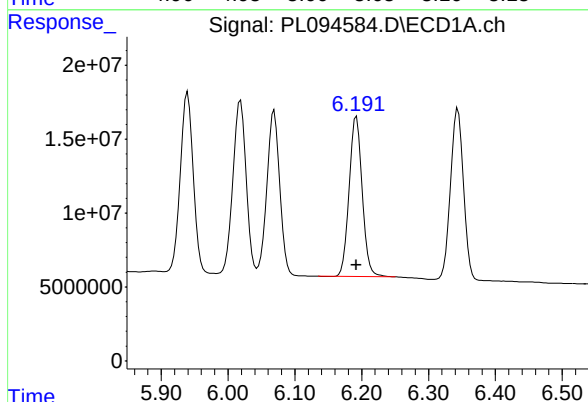
R.T.: 6.019 min
Delta R.T.: 0.001 min
Response: 161484723
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



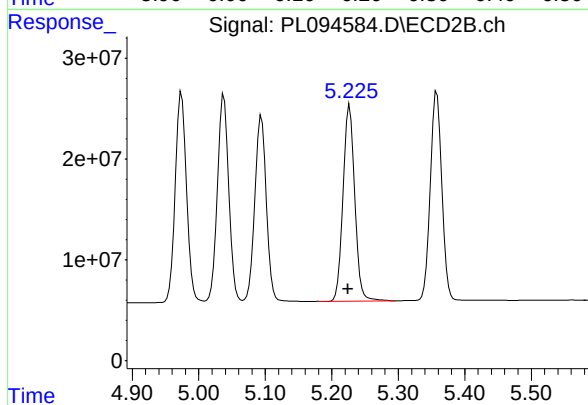
#11 alpha-Chlordane

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



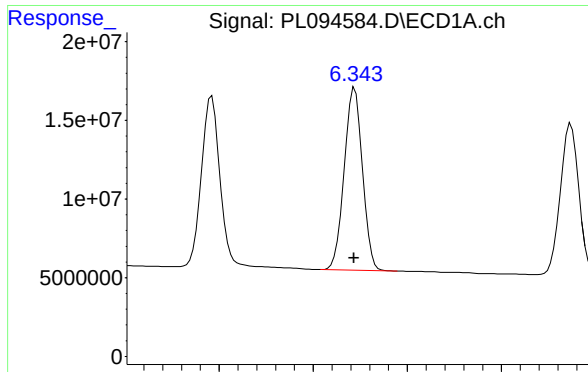
#12 4,4'-DDE

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



#12 4,4'-DDE

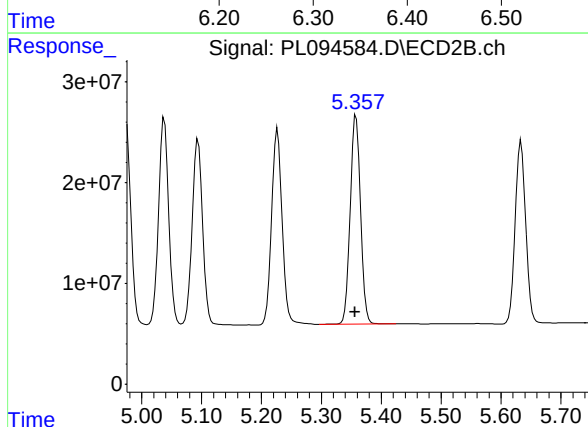
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 237229375
Conc: 51.03 ng/ml



#13 Dieldrin

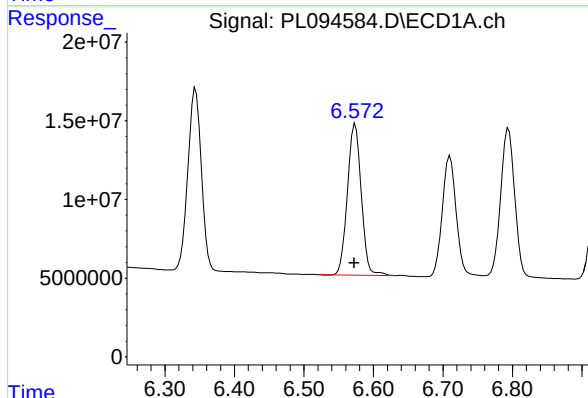
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156142534
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



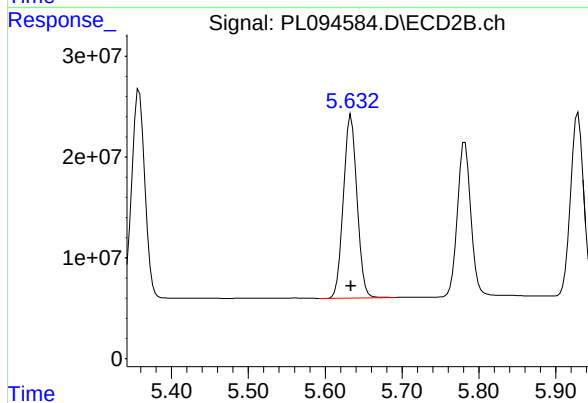
#13 Dieldrin

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



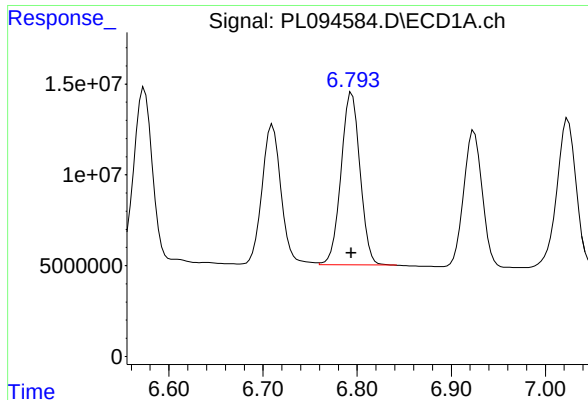
#14 Endrin

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



#14 Endrin

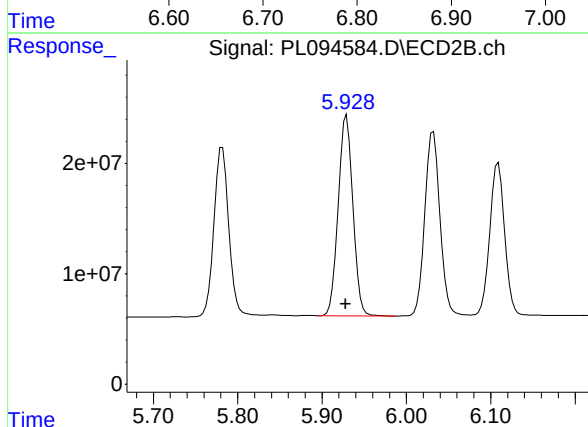
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 220759516
Conc: 50.59 ng/ml



#15 Endosulfan II

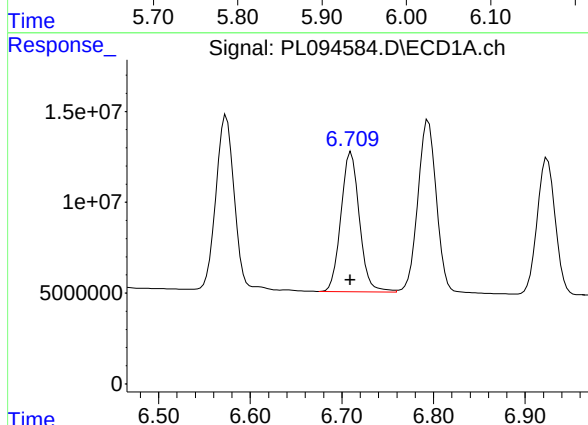
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133220736
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



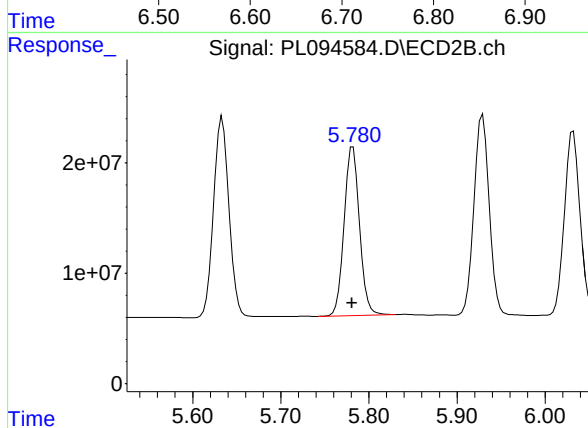
#15 Endosulfan II

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



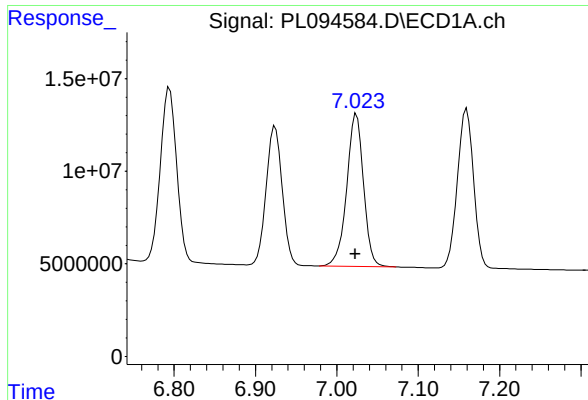
#16 4,4'-DDD

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



#16 4,4'-DDD

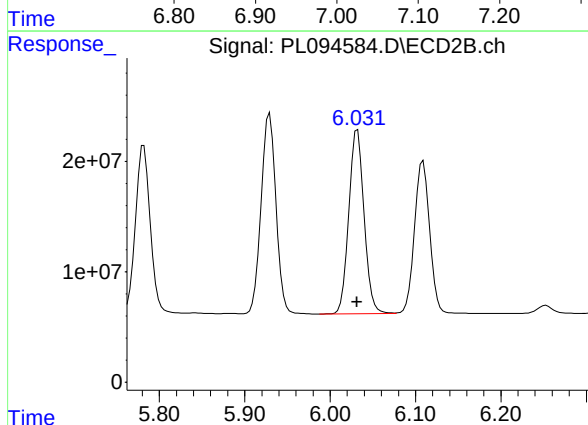
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 185961766
Conc: 51.72 ng/ml



#17 4,4'-DDT

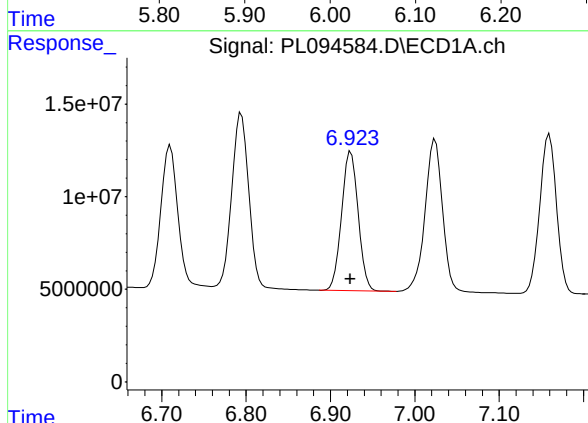
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 118288311
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



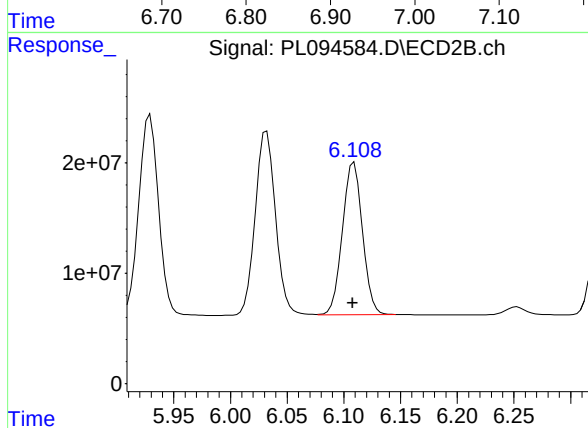
#17 4,4'-DDT

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



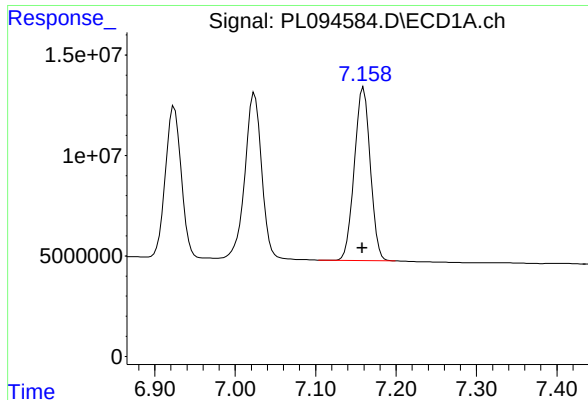
#18 Endrin aldehyde

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



#18 Endrin aldehyde

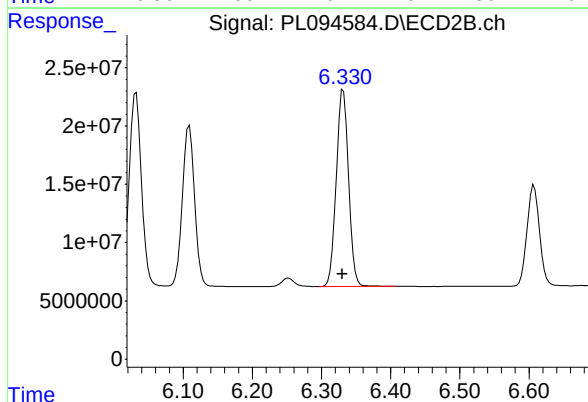
R.T.: 6.109 min
Delta R.T.: 0.001 min
Response: 169351182
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

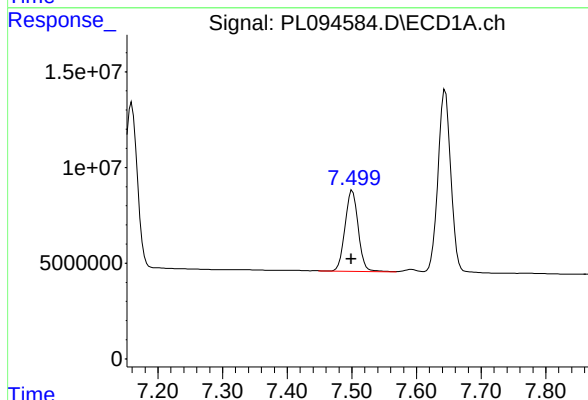
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 118675382
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



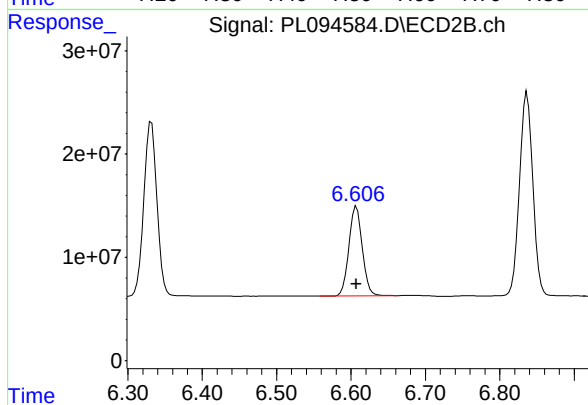
#19 Endosulfan Sulfate

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



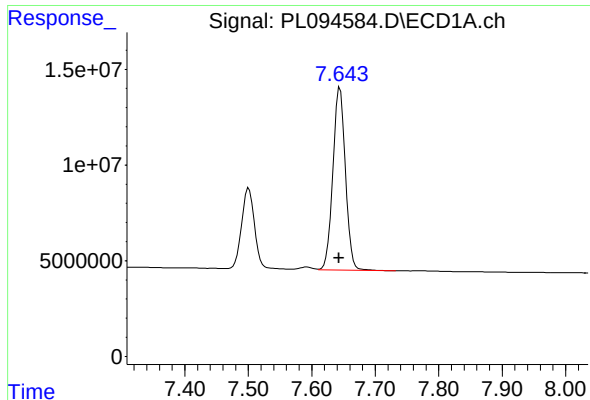
#20 Methoxychlor

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



#20 Methoxychlor

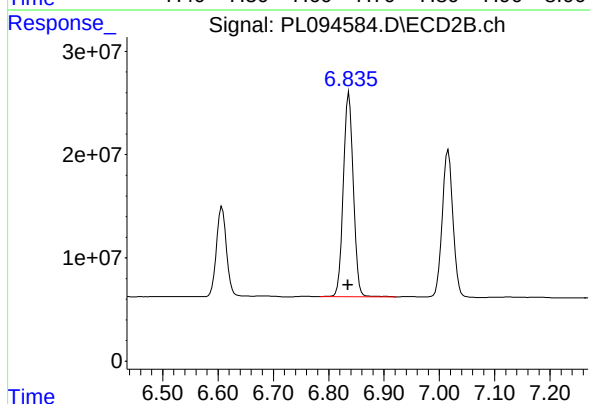
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 108134969
Conc: 50.98 ng/ml



#21 Endrin ketone

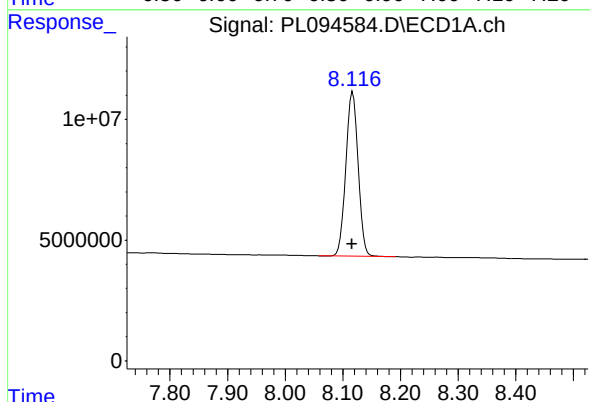
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 130943971
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



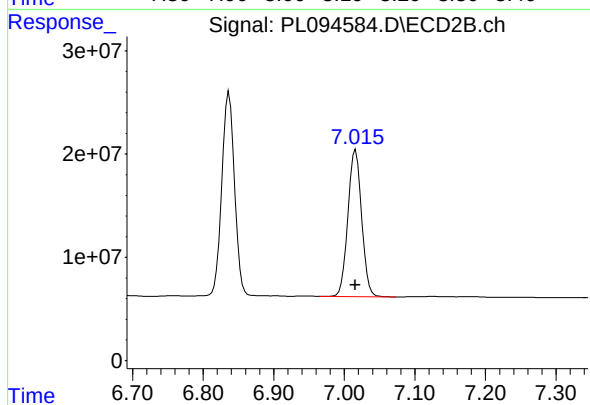
#21 Endrin ketone

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



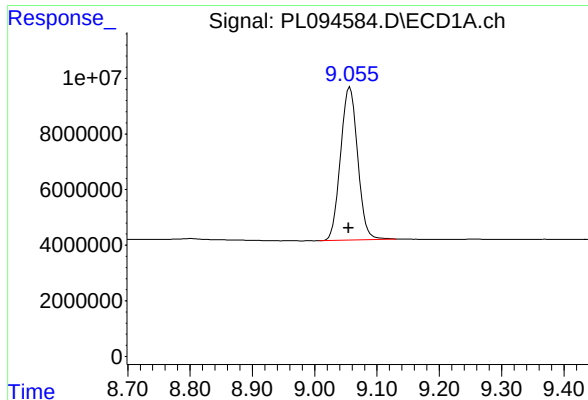
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.057 min

Delta R.T.: 0.002 min

Response: 105146189

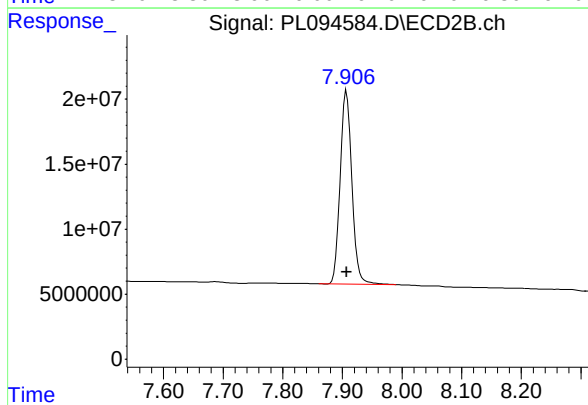
Conc: 49.89 ng/ml

Instrument :

ECD_L

ClientSampleId :

ICVPL031125



#28 Decachlorobiphenyl

R.T.: 7.907 min

Delta R.T.: 0.000 min

Response: 203758136

Conc: 50.44 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Continuing Calib Time: 17:43 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Continuing Calib Time: 17:43 Initial Calibration Time(s): 10:35 11:29

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

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



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL01 Date Analyzed: 03/11/2025

Lab Sample No.: PSTDCCC050 Data File : PL094589.D Time Analyzed: 17:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.610	6.810	52.850	50.000	5.7
4,4'-DDE	6.192	6.093	6.293	51.440	50.000	2.9
4,4'-DDT	7.024	6.924	7.124	51.140	50.000	2.3
Aldrin	5.256	5.156	5.356	50.300	50.000	0.6
alpha-BHC	3.995	3.894	4.094	50.830	50.000	1.7
alpha-Chlordane	6.018	5.918	6.118	50.190	50.000	0.4
beta-BHC	4.526	4.425	4.625	49.860	50.000	-0.3
Decachlorobiphenyl	9.056	8.956	9.156	51.440	50.000	2.9
delta-BHC	4.773	4.673	4.873	50.050	50.000	0.1
Dieldrin	6.344	6.244	6.444	50.220	50.000	0.4
Endosulfan I	6.069	5.969	6.169	50.320	50.000	0.6
Endosulfan II	6.794	6.694	6.894	50.690	50.000	1.4
Endosulfan sulfate	7.159	7.059	7.259	50.400	50.000	0.8
Endrin	6.572	6.474	6.674	48.640	50.000	-2.7
Endrin aldehyde	6.924	6.824	7.024	50.320	50.000	0.6
Endrin ketone	7.644	7.544	7.744	51.480	50.000	3.0
gamma-BHC (Lindane)	4.326	4.227	4.427	50.650	50.000	1.3
gamma-Chlordane	5.939	5.840	6.040	50.280	50.000	0.6
Heptachlor	4.915	4.815	5.015	50.010	50.000	0.0
Heptachlor epoxide	5.683	5.583	5.783	50.220	50.000	0.4
Methoxychlor	7.500	7.400	7.600	52.700	50.000	5.4
Tetrachloro-m-xylene	3.539	3.438	3.638	50.530	50.000	1.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL01 Date Analyzed: 03/11/2025

Lab Sample No.: PSTDCCC050 Data File : PL094589.D Time Analyzed: 17:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.781	5.682	5.882	53.240	50.000	6.5
4,4'-DDE	5.224	5.127	5.327	52.400	50.000	4.8
4,4'-DDT	6.031	5.932	6.132	52.980	50.000	6.0
Aldrin	4.221	4.122	4.322	52.530	50.000	5.1
alpha-BHC	3.274	3.174	3.374	53.030	50.000	6.1
alpha-Chlordane	5.037	4.938	5.138	52.520	50.000	5.0
beta-BHC	3.904	3.805	4.005	51.500	50.000	3.0
Decachlorobiphenyl	7.907	7.807	8.007	52.960	50.000	5.9
delta-BHC	4.132	4.033	4.233	52.960	50.000	5.9
Dieldrin	5.356	5.258	5.458	52.150	50.000	4.3
Endosulfan I	5.093	4.994	5.194	52.210	50.000	4.4
Endosulfan II	5.928	5.829	6.029	52.150	50.000	4.3
Endosulfan sulfate	6.330	6.231	6.431	52.700	50.000	5.4
Endrin	5.632	5.534	5.734	51.810	50.000	3.6
Endrin aldehyde	6.107	6.008	6.208	51.700	50.000	3.4
Endrin ketone	6.835	6.736	6.936	54.060	50.000	8.1
gamma-BHC (Lindane)	3.604	3.504	3.704	52.940	50.000	5.9
gamma-Chlordane	4.973	4.874	5.074	52.610	50.000	5.2
Heptachlor	3.942	3.842	4.042	51.990	50.000	4.0
Heptachlor epoxide	4.724	4.625	4.825	52.250	50.000	4.5
Methoxychlor	6.606	6.507	6.707	52.550	50.000	5.1
Tetrachloro-m-xylene	2.772	2.672	2.872	51.590	50.000	3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 17:43
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 02:03:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.772	143.0E6	184.1E6	50.532	51.591
28)	SA Decachlor...	9.056	7.907	108.4E6	213.9E6	51.438	52.965
Target Compounds							
2)	A alpha-BHC	3.995	3.274	211.1E6	285.9E6	50.828	53.030
3)	MA gamma-BHC...	4.326	3.604	202.1E6	272.1E6	50.646m	52.944
4)	MA Heptachlor	4.915	3.942	194.1E6	273.9E6	50.014	51.993
5)	MB Aldrin	5.256	4.221	185.7E6	256.1E6	50.298	52.528
6)	B beta-BHC	4.526	3.904	92000495	114.4E6	49.859	51.499
7)	B delta-BHC	4.773	4.132	194.9E6	264.9E6	50.045	52.965
8)	B Heptachlo...	5.683	4.724	168.0E6	239.2E6	50.219	52.247
9)	A Endosulfan I	6.069	5.093	154.5E6	229.1E6	50.323	52.213
10)	B gamma-Chl...	5.939	4.973	169.4E6	254.0E6	50.279	52.612
11)	B alpha-Chl...	6.018	5.037	165.5E6	250.7E6	50.190	52.522
12)	B 4,4'-DDE	6.192	5.224	151.3E6	243.6E6	51.436	52.404m
13)	MA Dieldrin	6.344	5.356	160.6E6	253.0E6	50.222	52.149m
14)	MA Endrin	6.572	5.632	134.8E6	226.1E6	48.642m	51.810m
15)	B Endosulfa...	6.794	5.928	137.6E6	225.7E6	50.692	52.146
16)	A 4,4'-DDD	6.709	5.781	114.5E6	191.4E6	52.853	53.240
17)	MA 4,4'-DDT	7.024	6.031	121.6E6	213.6E6	51.139	52.983
18)	B Endrin al...	6.924	6.107	106.2E6	174.0E6	50.320	51.702
19)	B Endosulfa...	7.159	6.330	122.6E6	214.6E6	50.397	52.695
20)	A Methoxychlor	7.500	6.606	63083896	111.5E6	52.698	52.548
21)	B Endrin ke...	7.644	6.835	136.1E6	258.0E6	51.482	54.056
22)	Mirex	8.116	7.015	104.3E6	197.0E6	50.490	51.896

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:43
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

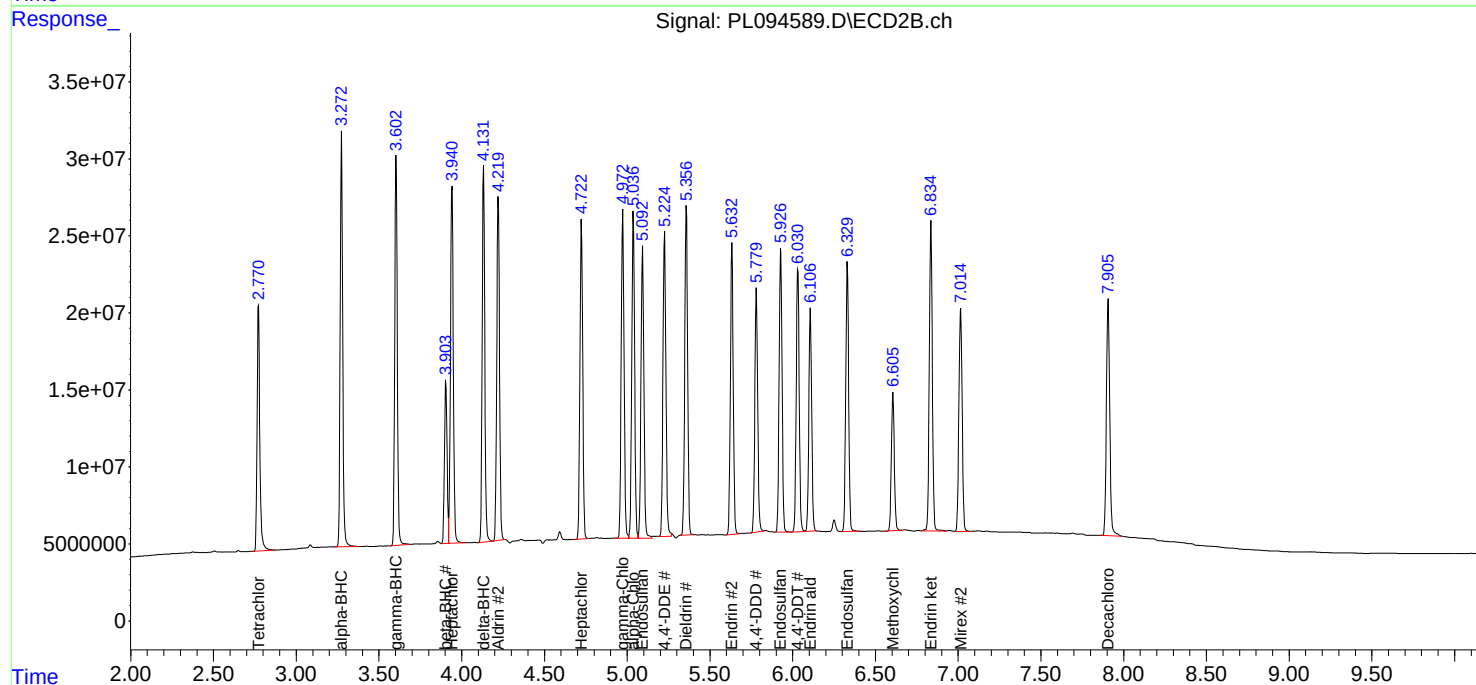
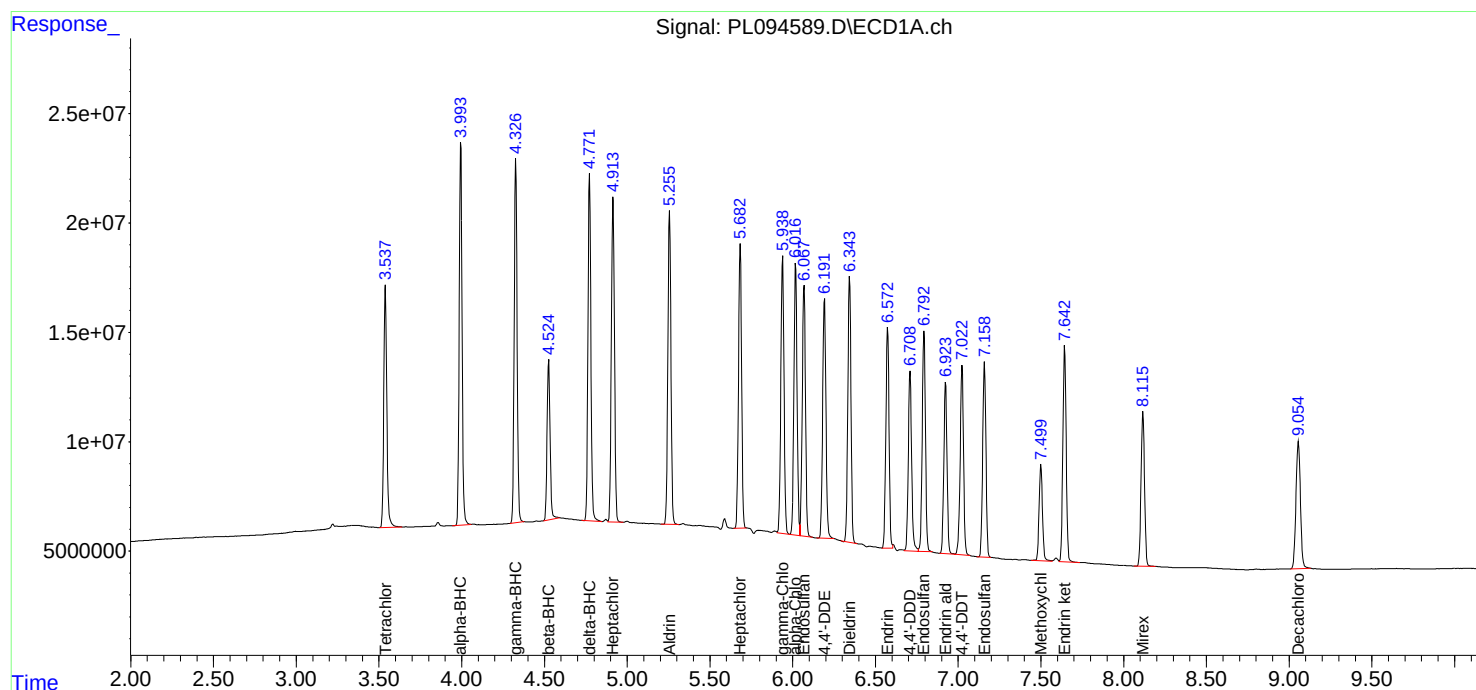
Manual Integrations

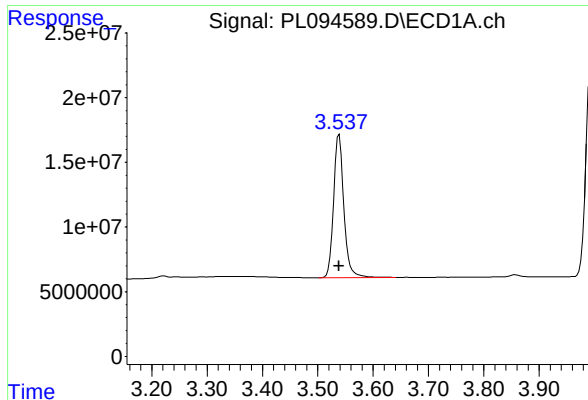
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:03:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





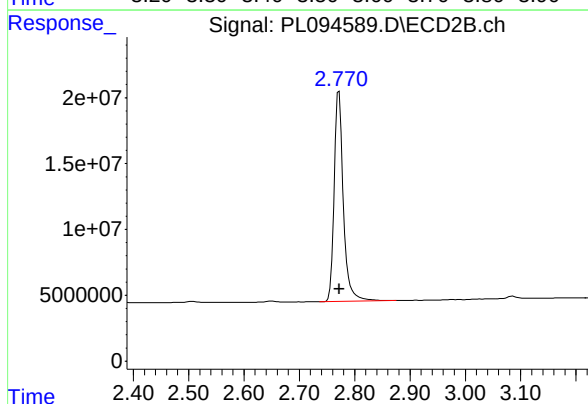
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 143039985
Conc: 50.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

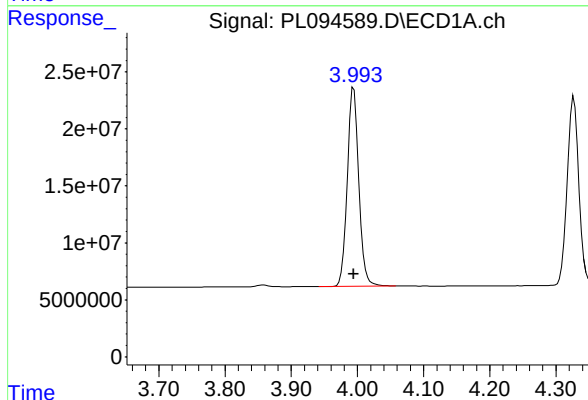
Manual Integrations
APPROVED

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



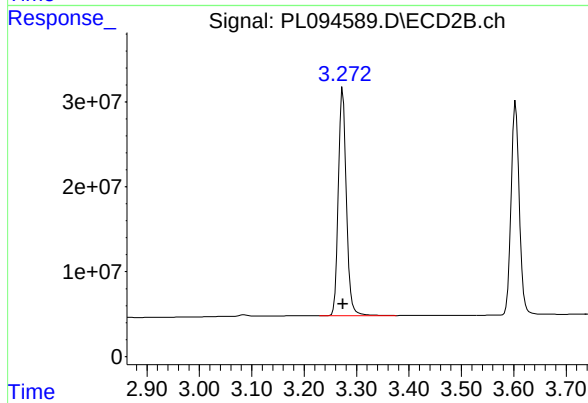
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 184142800
Conc: 51.59 ng/ml



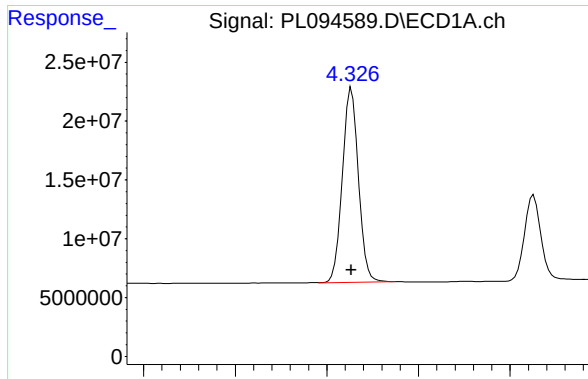
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 211055444
Conc: 50.83 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 285902773
Conc: 53.03 ng/ml



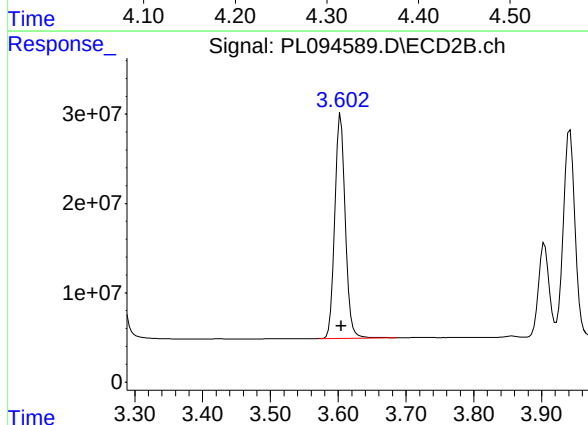
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 202089714
Conc: 50.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

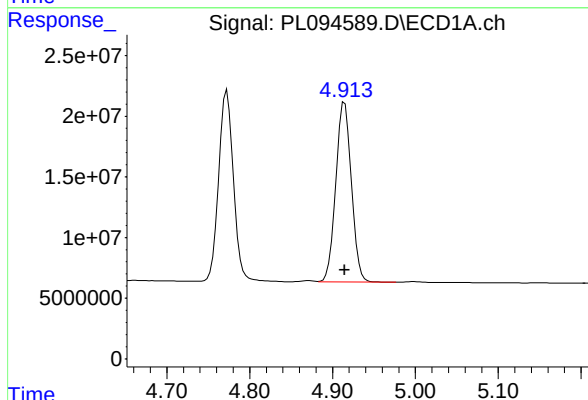
Manual Integrations
APPROVED

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



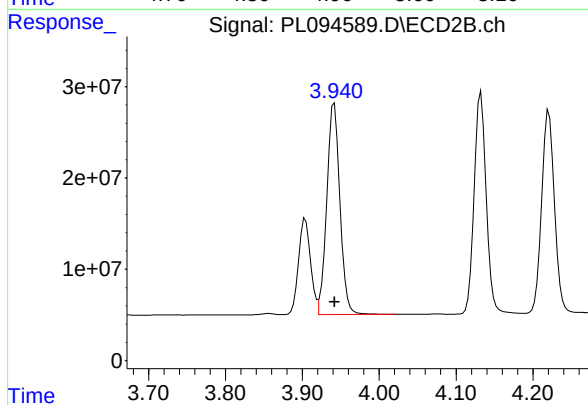
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 272104263
Conc: 52.94 ng/ml



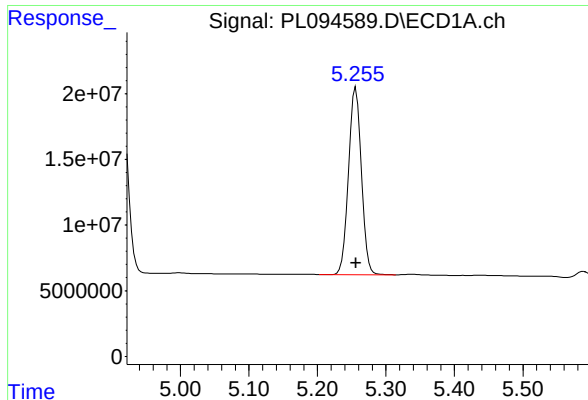
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 194133868
Conc: 50.01 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 273930204
Conc: 51.99 ng/ml



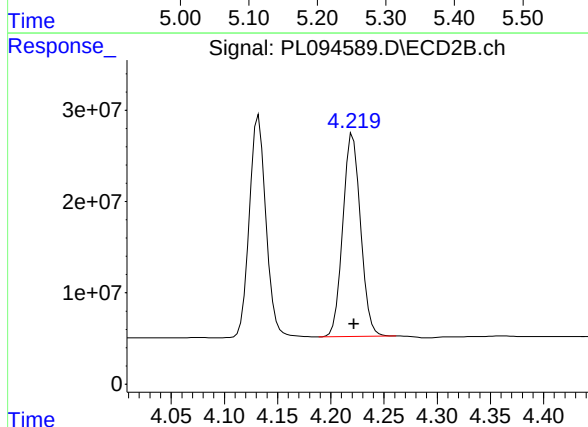
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 185712995
Conc: 50.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

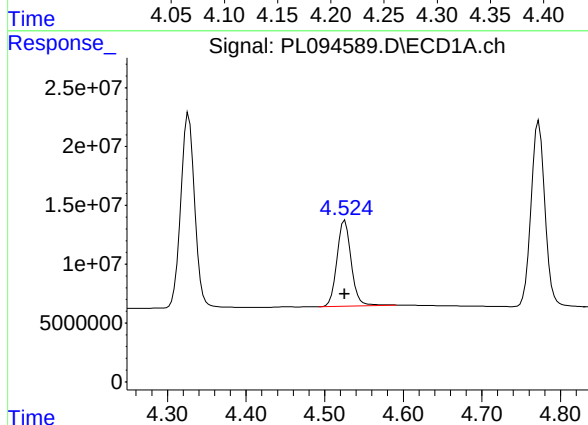
Manual Integrations
APPROVED

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



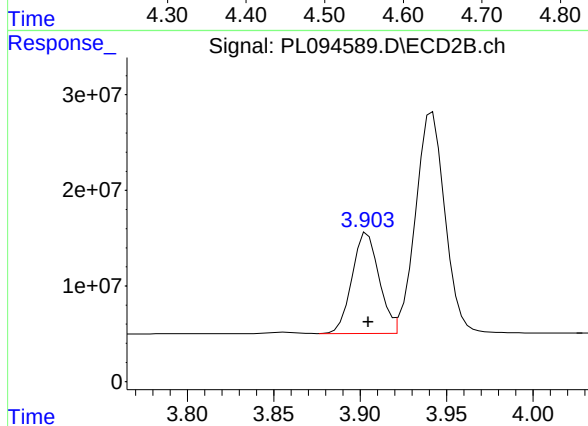
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: 0.000 min
Response: 256144763
Conc: 52.53 ng/ml



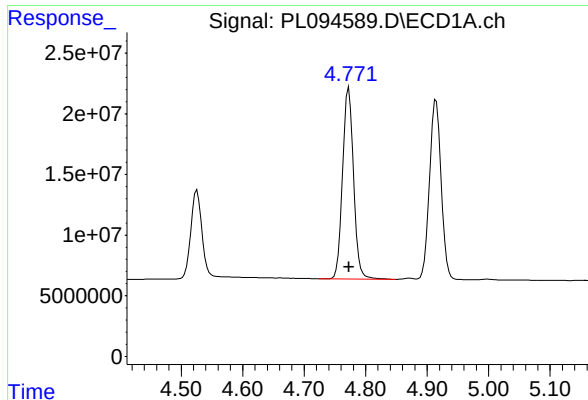
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 92000495
Conc: 49.86 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 114394982
Conc: 51.50 ng/ml



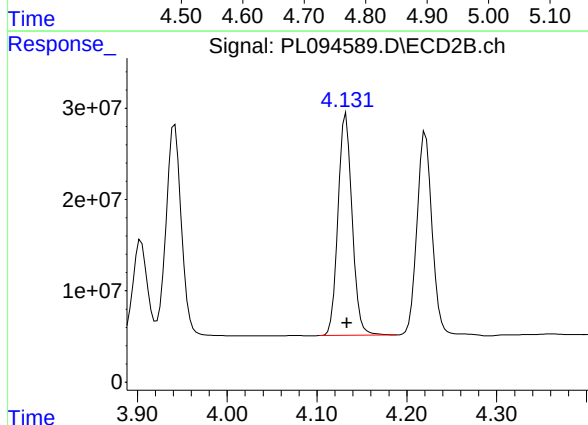
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 194891787
Conc: 50.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

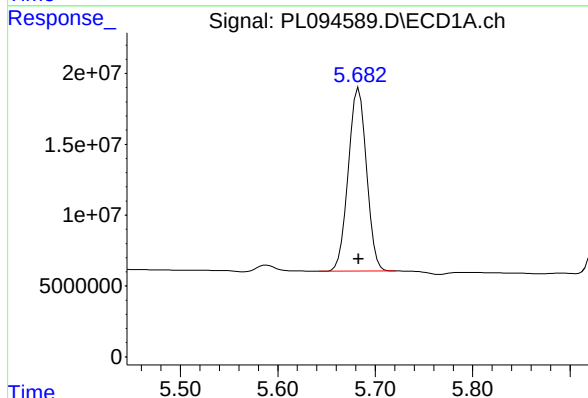
Manual Integrations
APPROVED

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



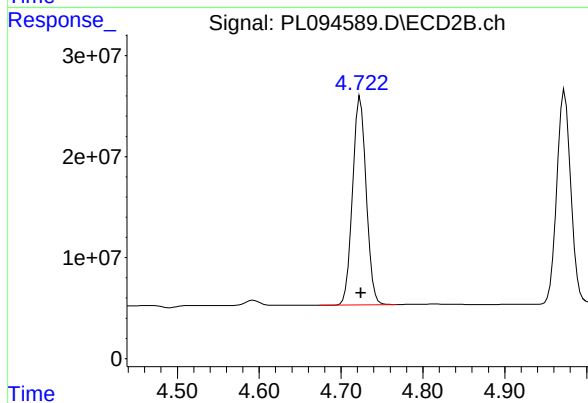
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.000 min
Response: 264928622
Conc: 52.96 ng/ml



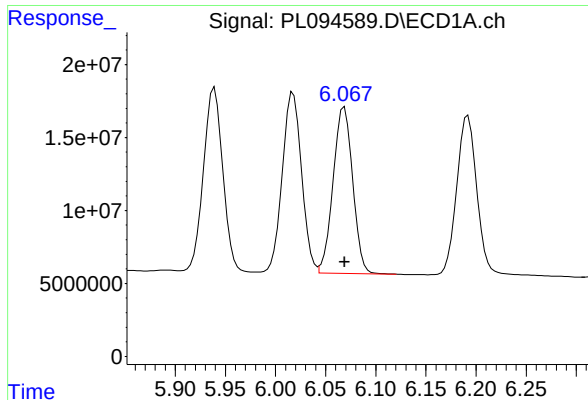
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 167993388
Conc: 50.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 239219032
Conc: 52.25 ng/ml



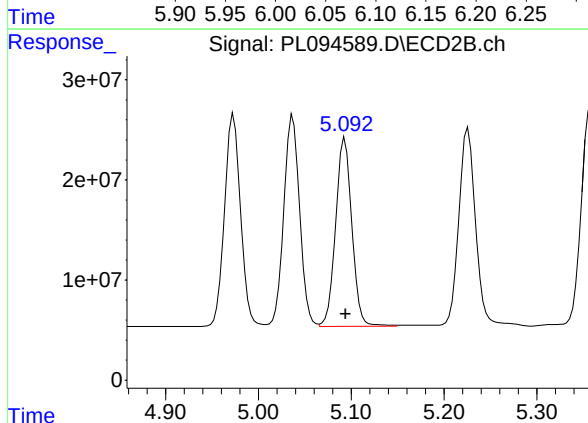
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 154501053
Conc: 50.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

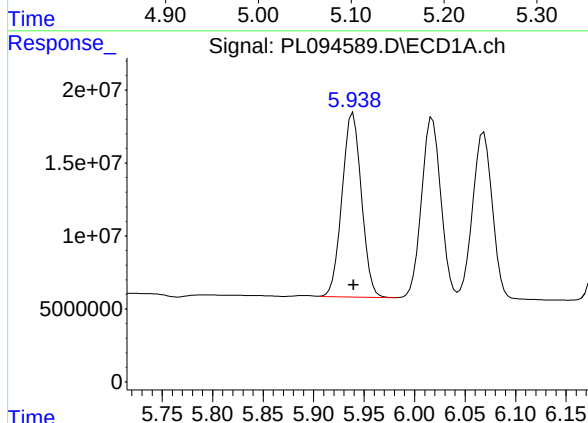
Manual Integrations
APPROVED

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



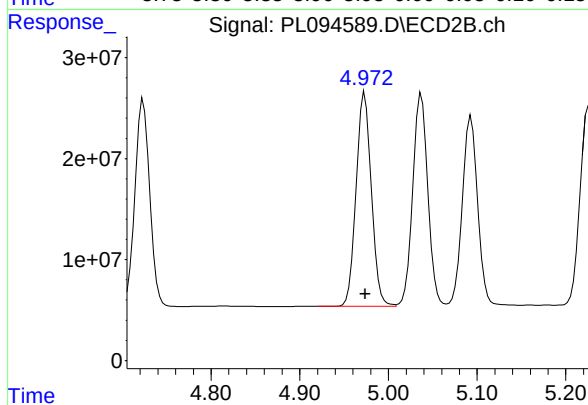
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: 0.000 min
Response: 229149171
Conc: 52.21 ng/ml



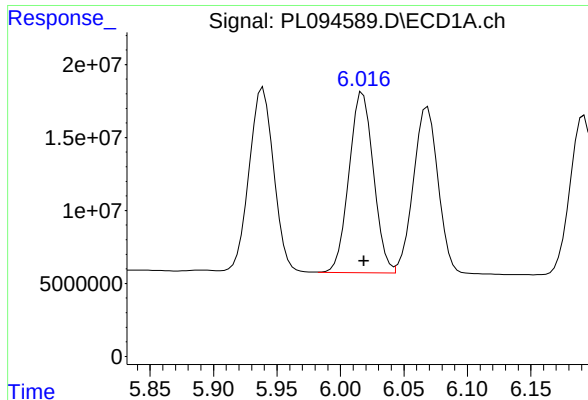
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 169409793
Conc: 50.28 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 254035053
Conc: 52.61 ng/ml



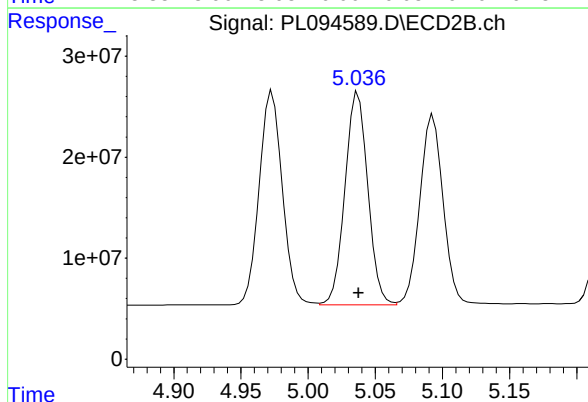
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 165468571
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

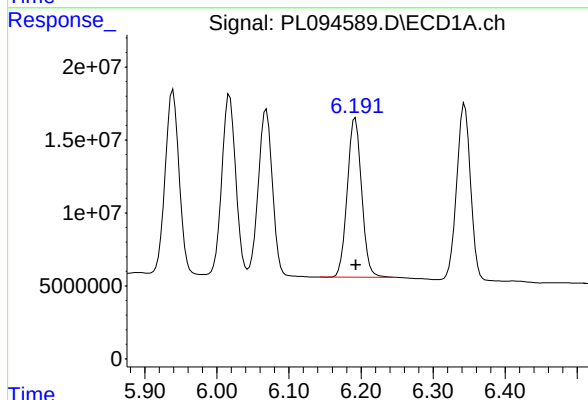
Manual Integrations
APPROVED

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



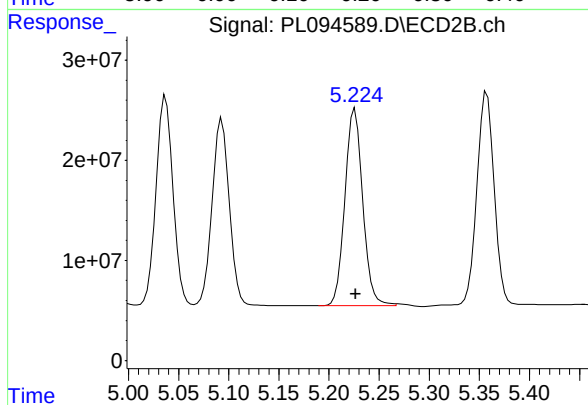
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 250676876
Conc: 52.52 ng/ml



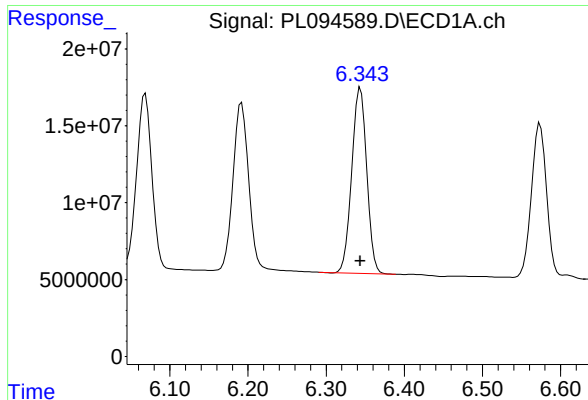
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 151327693
Conc: 51.44 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.002 min
Response: 243599302
Conc: 52.40 ng/ml m



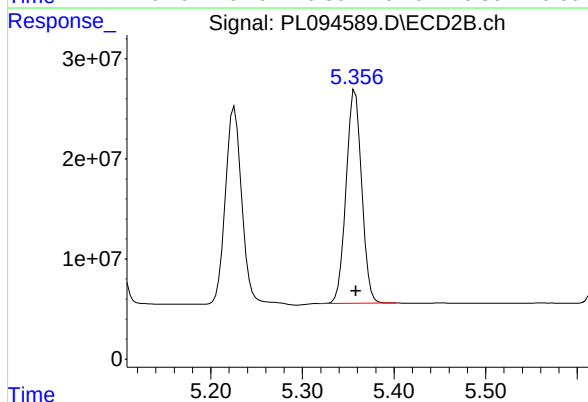
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 160615341
Conc: 50.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

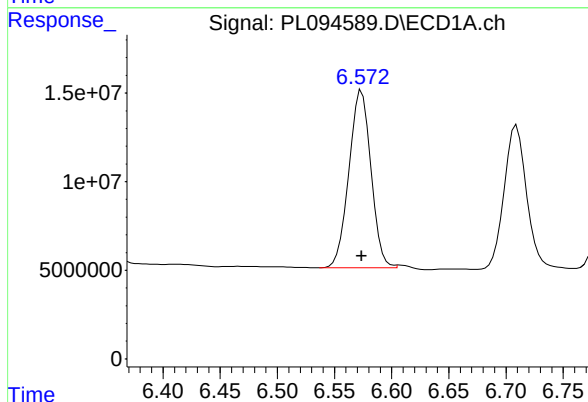
Manual Integrations
APPROVED

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



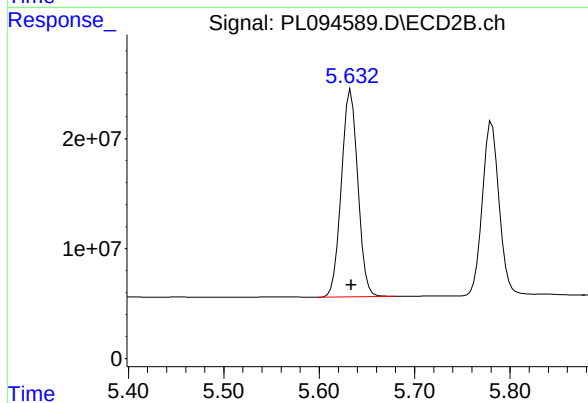
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 253017632
Conc: 52.15 ng/ml



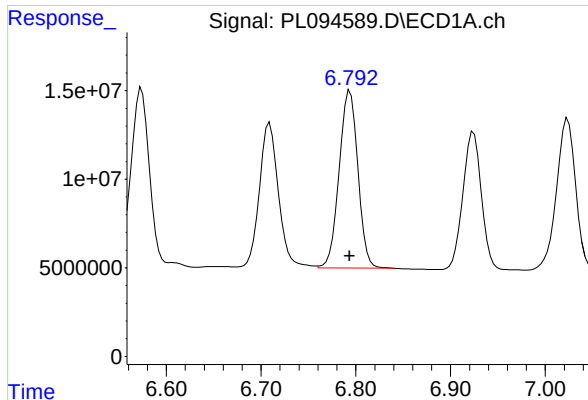
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.001 min
Response: 134839009
Conc: 48.64 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 226080398
Conc: 51.81 ng/ml



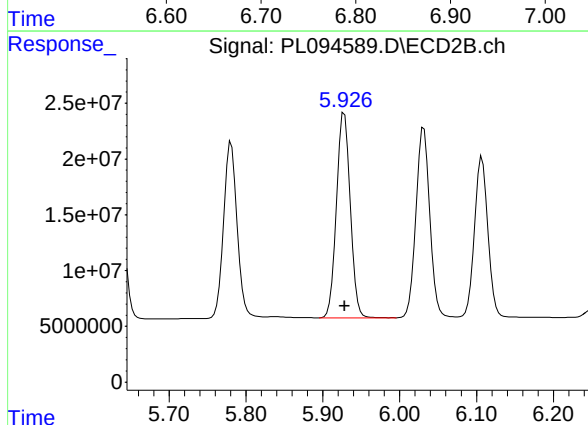
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 137615495
Conc: 50.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

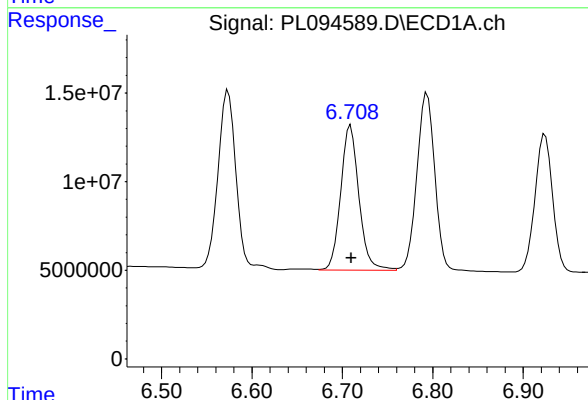
Manual Integrations
APPROVED

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



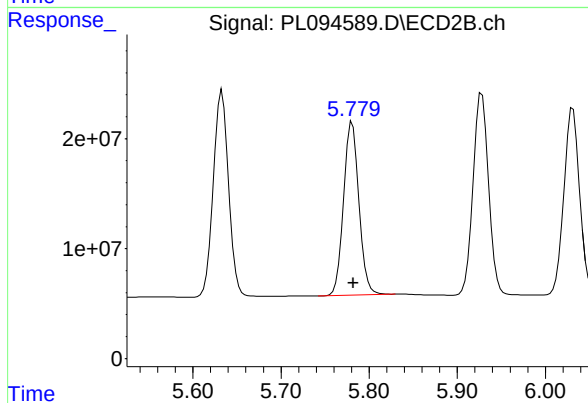
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 225703532
Conc: 52.15 ng/ml



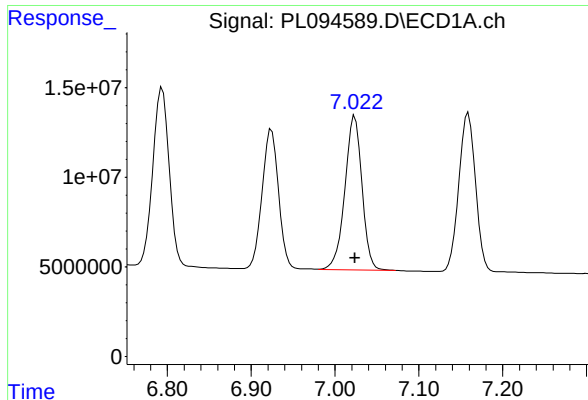
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 114483211
Conc: 52.85 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 191445867
Conc: 53.24 ng/ml



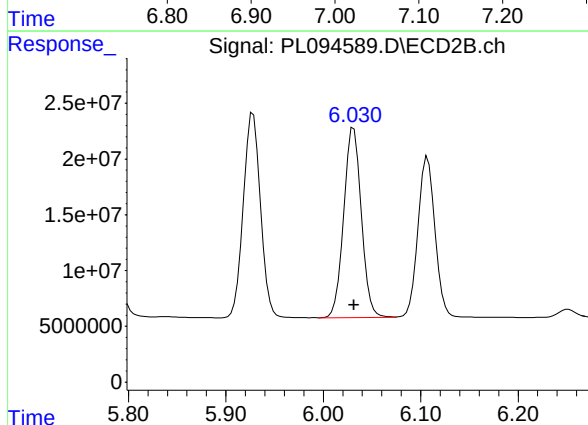
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 121635448
Conc: 51.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

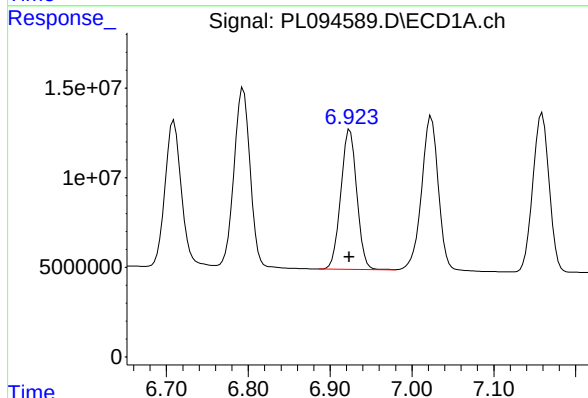
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



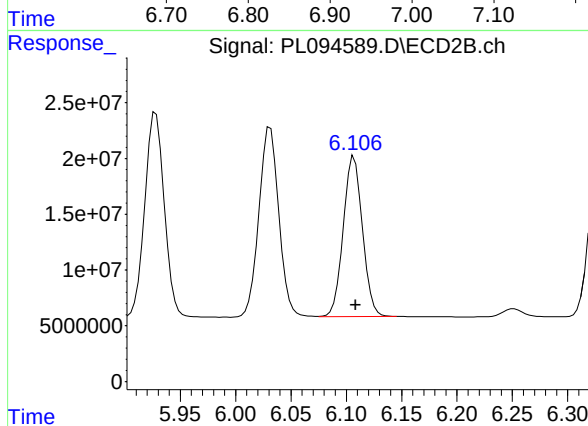
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 213633169
Conc: 52.98 ng/ml



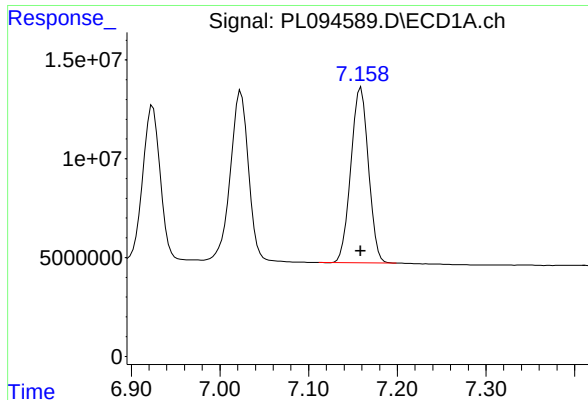
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 106225343
Conc: 50.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 173996280
Conc: 51.70 ng/ml



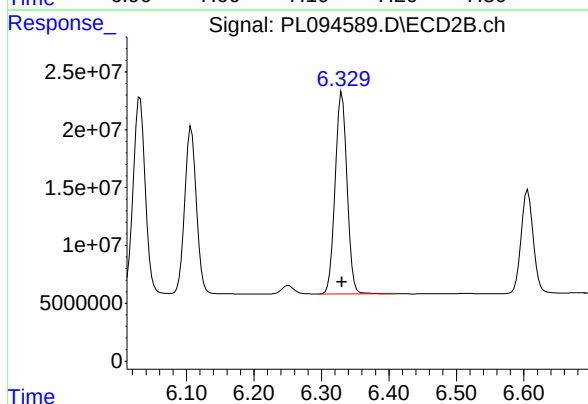
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 122566347
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

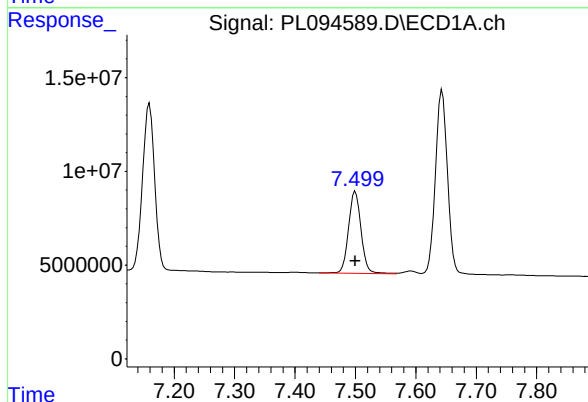
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



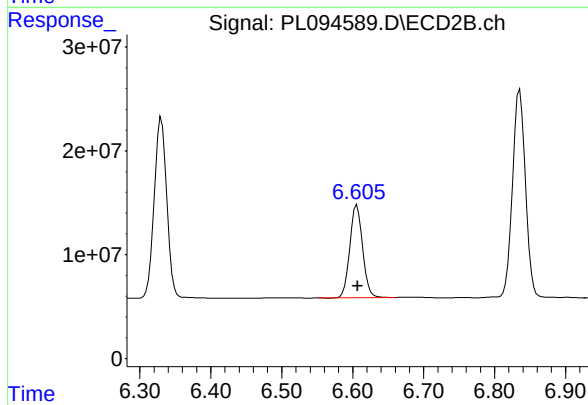
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 214649898
Conc: 52.70 ng/ml



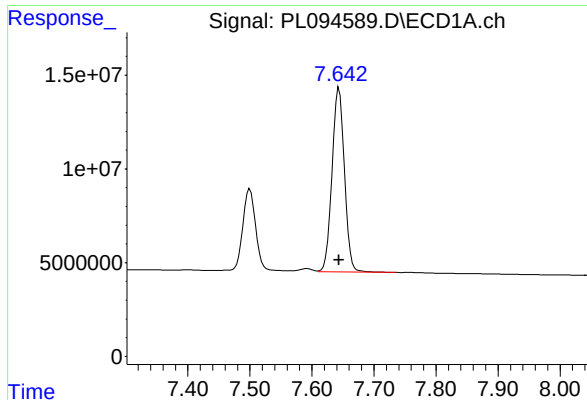
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 63083896
Conc: 52.70 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 111457023
Conc: 52.55 ng/ml



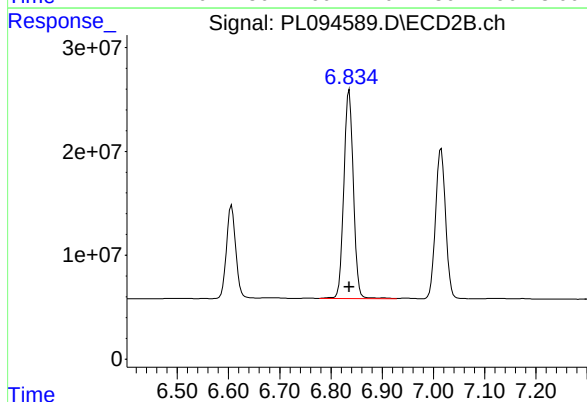
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 136081156
Conc: 51.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

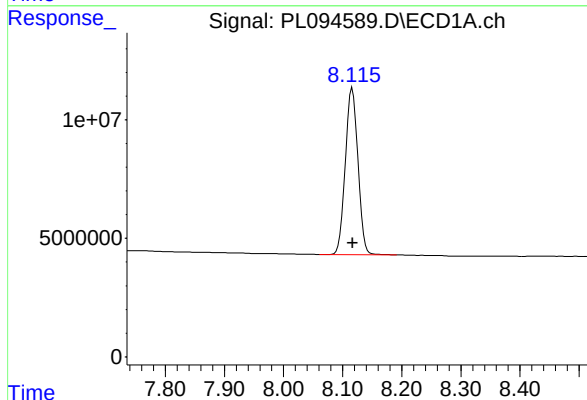
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



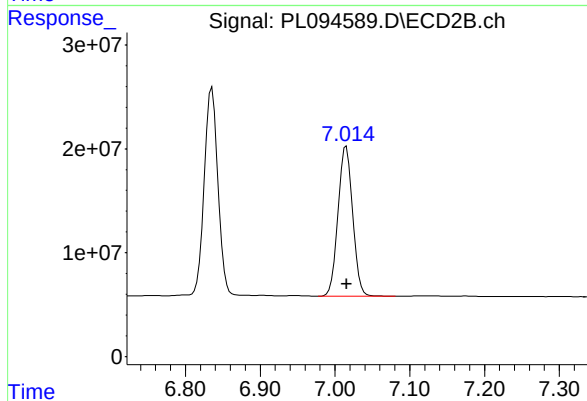
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 257985630
Conc: 54.06 ng/ml



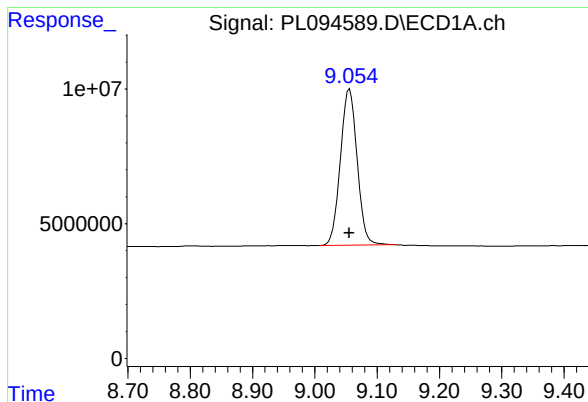
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 104326388
Conc: 50.49 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 196961592
Conc: 51.90 ng/ml



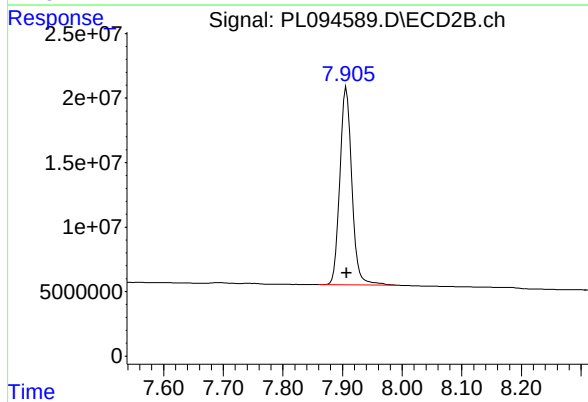
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 108404235
Conc: 51.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 213944453
Conc: 52.96 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Continuing Calib Time: 20:06 Initial Calibration Time(s): 10:35 11:29

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

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



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Continuing Calib Time: 20:06 Initial Calibration Time(s): 10:35 11:29

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

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



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL02 Date Analyzed: 03/11/2025

Lab Sample No.: PSTDCCC050 Data File : PL094598.D Time Analyzed: 20:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.610	6.810	51.810	50.000	3.6
4,4'-DDE	6.189	6.093	6.293	51.300	50.000	2.6
4,4'-DDT	7.021	6.924	7.124	50.650	50.000	1.3
Aldrin	5.254	5.156	5.356	49.440	50.000	-1.1
alpha-BHC	3.993	3.894	4.094	50.100	50.000	0.2
alpha-Chlordane	6.016	5.918	6.118	49.450	50.000	-1.1
beta-BHC	4.523	4.425	4.625	48.630	50.000	-2.7
Decachlorobiphenyl	9.052	8.956	9.156	51.300	50.000	2.6
delta-BHC	4.771	4.673	4.873	49.330	50.000	-1.3
Dieldrin	6.342	6.244	6.444	49.680	50.000	-0.6
Endosulfan I	6.066	5.969	6.169	49.700	50.000	-0.6
Endosulfan II	6.792	6.694	6.894	49.760	50.000	-0.5
Endosulfan sulfate	7.157	7.059	7.259	49.880	50.000	-0.2
Endrin	6.570	6.474	6.674	47.500	50.000	-5.0
Endrin aldehyde	6.922	6.824	7.024	49.870	50.000	-0.3
Endrin ketone	7.642	7.544	7.744	51.410	50.000	2.8
gamma-BHC (Lindane)	4.324	4.227	4.427	49.930	50.000	-0.1
gamma-Chlordane	5.938	5.840	6.040	49.240	50.000	-1.5
Heptachlor	4.912	4.815	5.015	49.200	50.000	-1.6
Heptachlor epoxide	5.681	5.583	5.783	49.420	50.000	-1.2
Methoxychlor	7.499	7.400	7.600	52.480	50.000	5.0
Tetrachloro-m-xylene	3.537	3.438	3.638	49.980	50.000	0.0



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL02 Date Analyzed: 03/11/2025

Lab Sample No.: PSTDCCC050 Data File : PL094598.D Time Analyzed: 20:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.779	5.682	5.882	53.070	50.000	6.1
4,4'-DDE	5.224	5.127	5.327	52.140	50.000	4.3
4,4'-DDT	6.029	5.932	6.132	52.270	50.000	4.5
Aldrin	4.220	4.122	4.322	51.950	50.000	3.9
alpha-BHC	3.273	3.174	3.374	52.540	50.000	5.1
alpha-Chlordane	5.035	4.938	5.138	51.460	50.000	2.9
beta-BHC	3.903	3.805	4.005	50.910	50.000	1.8
Decachlorobiphenyl	7.905	7.807	8.007	52.810	50.000	5.6
delta-BHC	4.131	4.033	4.233	52.230	50.000	4.5
Dieldrin	5.355	5.258	5.458	52.250	50.000	4.5
Endosulfan I	5.092	4.994	5.194	51.420	50.000	2.8
Endosulfan II	5.926	5.829	6.029	51.580	50.000	3.2
Endosulfan sulfate	6.329	6.231	6.431	52.310	50.000	4.6
Endrin	5.631	5.534	5.734	50.730	50.000	1.5
Endrin aldehyde	6.106	6.008	6.208	51.430	50.000	2.9
Endrin ketone	6.834	6.736	6.936	53.120	50.000	6.2
gamma-BHC (Lindane)	3.602	3.504	3.704	52.360	50.000	4.7
gamma-Chlordane	4.972	4.874	5.074	51.570	50.000	3.1
Heptachlor	3.940	3.842	4.042	51.440	50.000	2.9
Heptachlor epoxide	4.720	4.625	4.825	51.810	50.000	3.6
Methoxychlor	6.604	6.507	6.707	52.010	50.000	4.0
Tetrachloro-m-xylene	2.771	2.672	2.872	51.450	50.000	2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 20:06
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 02:04:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	141.5E6	183.6E6	49.984	51.446
28) SA Decachlor...	9.052	7.905	108.1E6	213.3E6	51.302	52.814
Target Compounds						
2) A alpha-BHC	3.993	3.273	208.0E6	283.3E6	50.097	52.541
3) MA gamma-BHC...	4.324	3.602	199.2E6	269.1E6	49.925m	52.358
4) MA Heptachlor	4.912	3.940	191.0E6	271.0E6	49.203	51.444
5) MB Aldrin	5.254	4.220	182.5E6	253.3E6	49.440	51.952
6) B beta-BHC	4.523	3.903	89736272	113.1E6	48.632	50.912
7) B delta-BHC	4.771	4.131	192.1E6	261.3E6	49.325	52.232
8) B Heptachlo...	5.681	4.720	165.3E6	237.2E6	49.418	51.812m
9) A Endosulfan I	6.066	5.092	152.6E6	225.7E6	49.700	51.420
10) B gamma-Chl...	5.938	4.972	165.9E6	249.0E6	49.244	51.570
11) B alpha-Chl...	6.016	5.035	163.0E6	245.6E6	49.449	51.461
12) B 4,4'-DDE	6.189	5.224	150.9E6	242.4E6	51.304m	52.143
13) MA Dieldrin	6.342	5.355	158.9E6	253.5E6	49.680	52.254
14) MA Endrin	6.570	5.631	131.7E6	221.4E6	47.501m	50.729
15) B Endosulfa...	6.792	5.926	135.1E6	223.2E6	49.764	51.578
16) A 4,4'-DDD	6.708	5.779	112.2E6	190.8E6	51.812	53.072
17) MA 4,4'-DDT	7.021	6.029	120.5E6	210.8E6	50.647	52.273
18) B Endrin al...	6.922	6.106	105.3E6	173.1E6	49.875	51.430
19) B Endosulfa...	7.157	6.329	121.3E6	213.1E6	49.878	52.313
20) A Methoxychlor	7.499	6.604	62816685	110.3E6	52.475	52.010
21) B Endrin ke...	7.642	6.834	135.9E6	253.5E6	51.406	53.120
22) Mirex	8.114	7.013	103.3E6	194.8E6	49.978	51.320

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

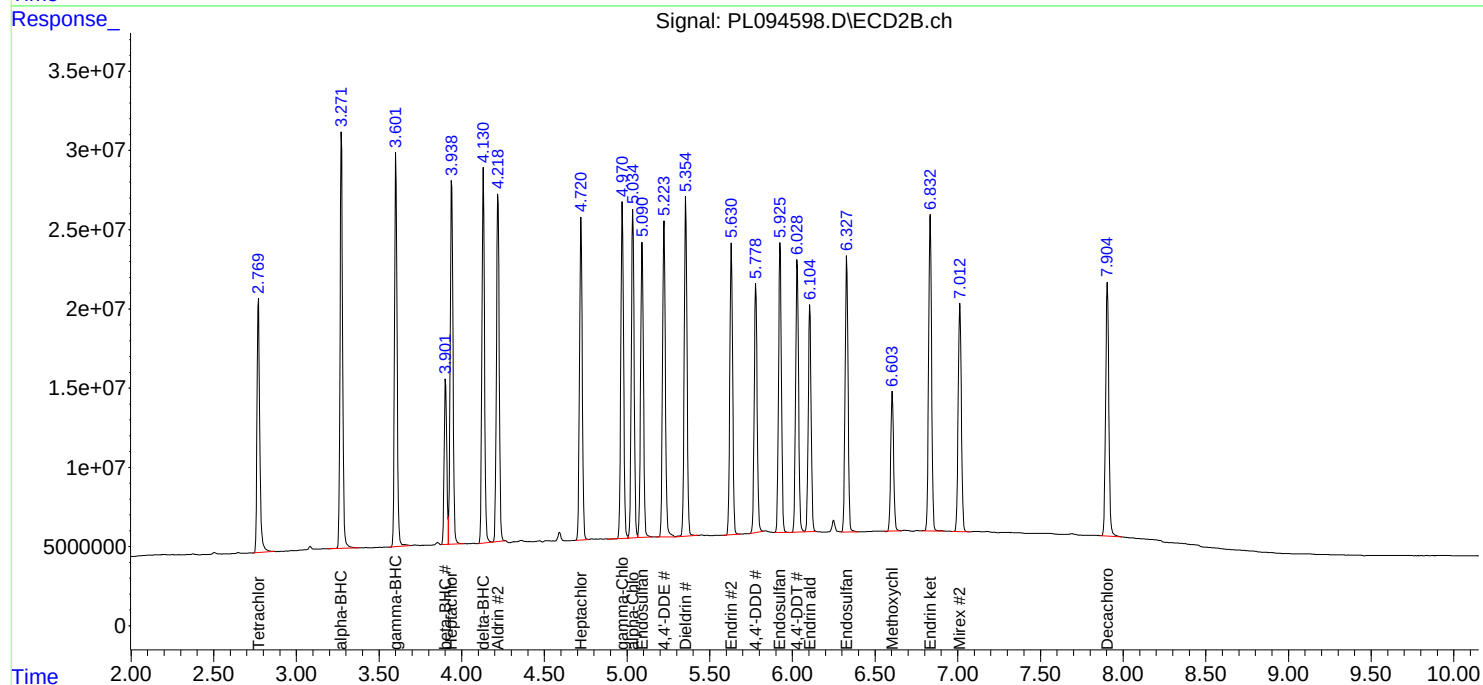
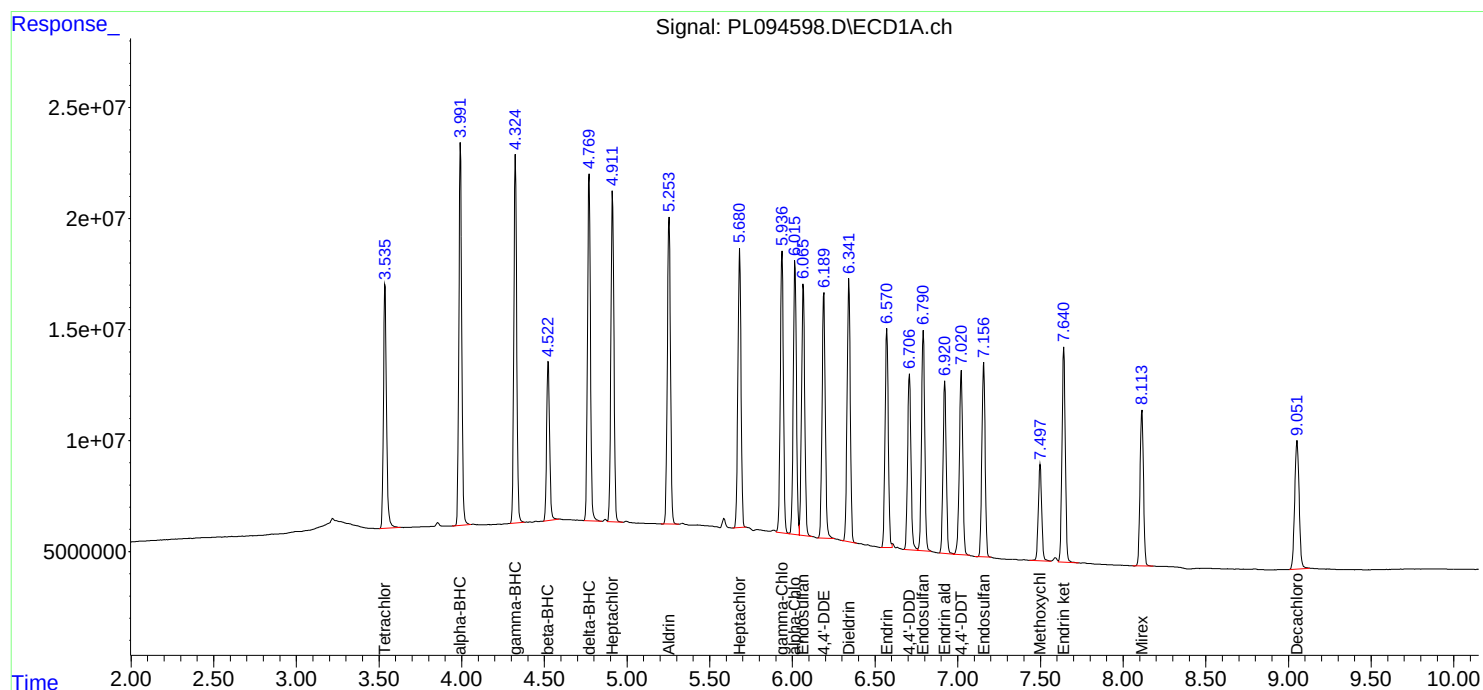
APPROVED

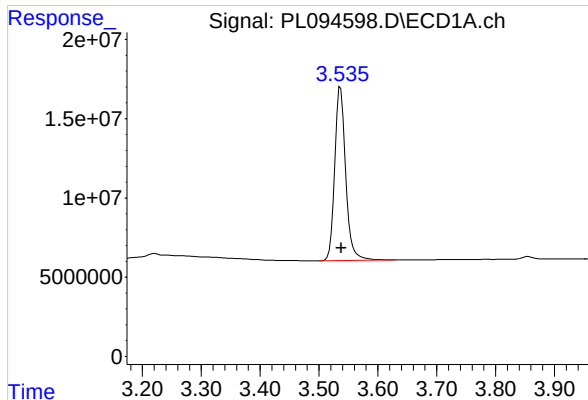
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:04:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





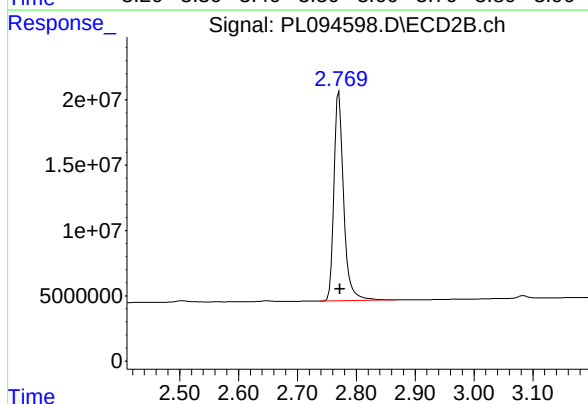
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 141488517
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

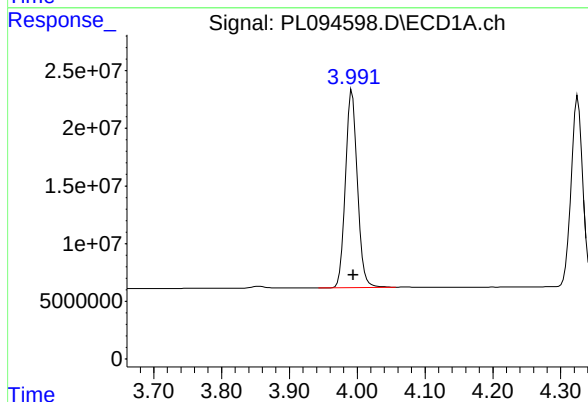
Manual Integrations
APPROVED

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



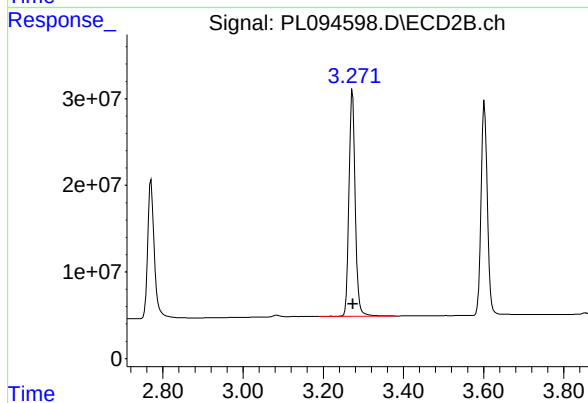
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 183625598
Conc: 51.45 ng/ml



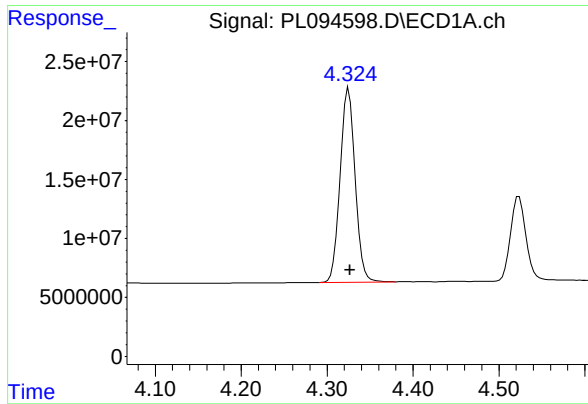
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 208019306
Conc: 50.10 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 283269533
Conc: 52.54 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 199215470
Conc: 49.93 ng/ml

Instrument :

ECD_L

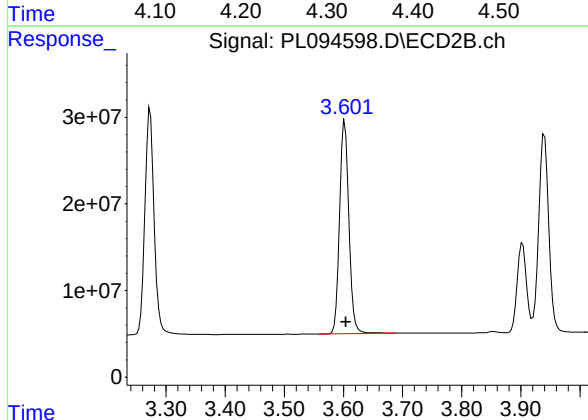
ClientSampleId :

PSTDCCC050

Manual Integrations

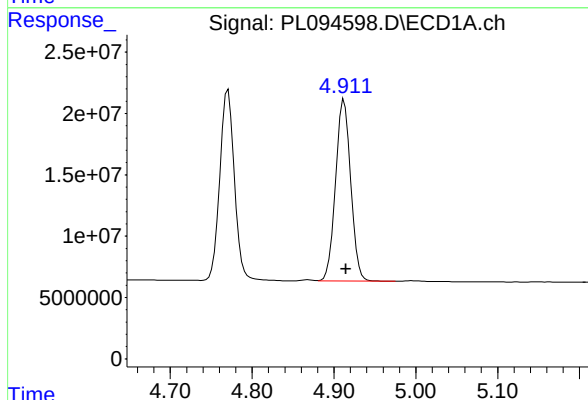
APPROVED

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



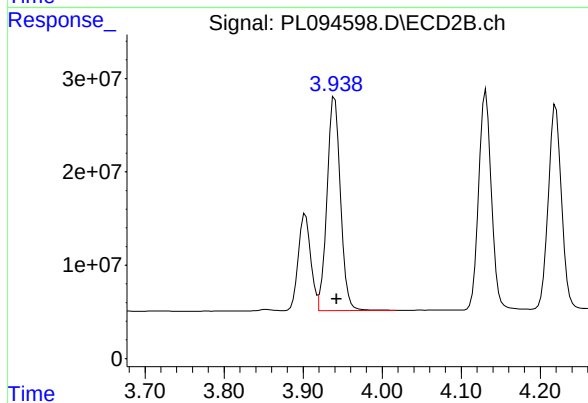
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 269091899
Conc: 52.36 ng/ml



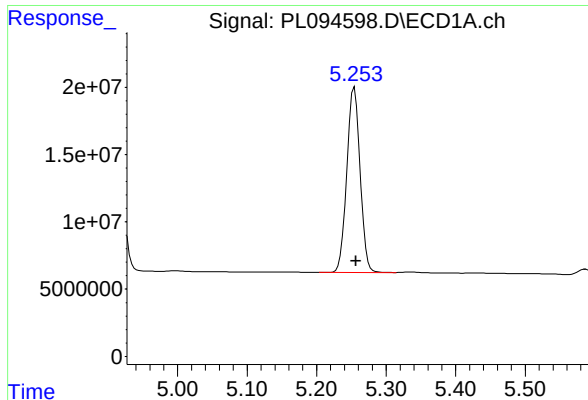
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 190989600
Conc: 49.20 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 271041485
Conc: 51.44 ng/ml



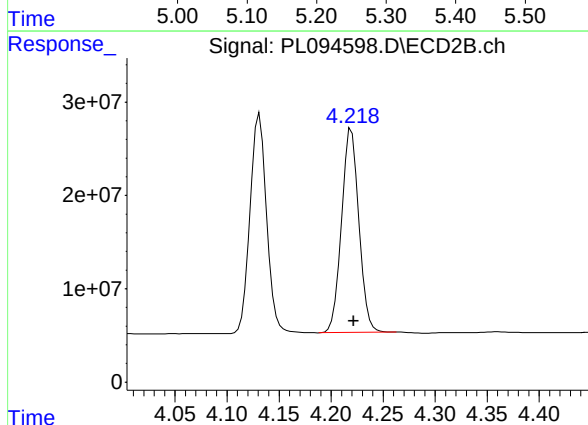
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 182542783
Conc: 49.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

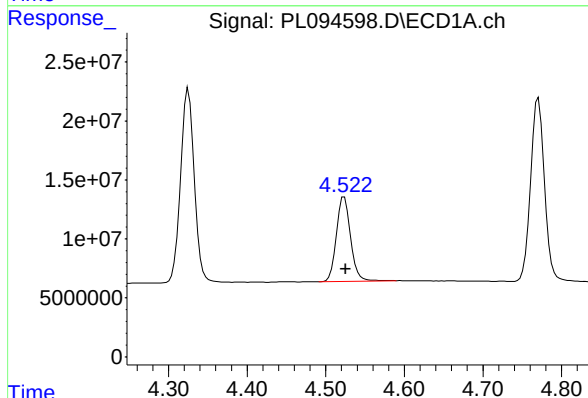
Manual Integrations
APPROVED

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



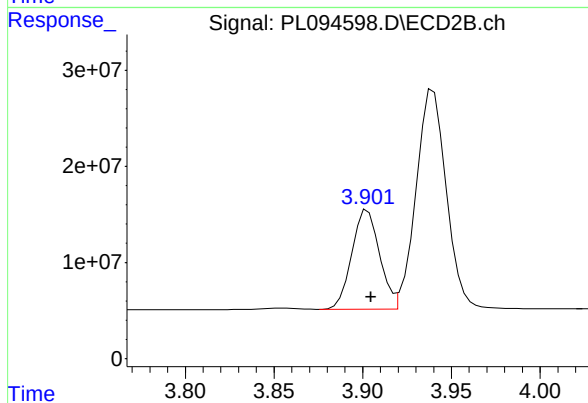
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 253337456
Conc: 51.95 ng/ml



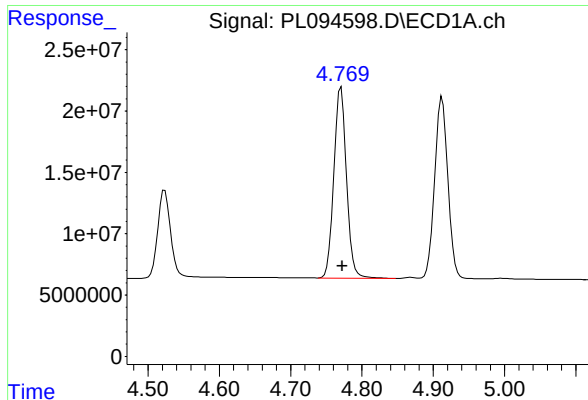
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 89736272
Conc: 48.63 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 113089973
Conc: 50.91 ng/ml



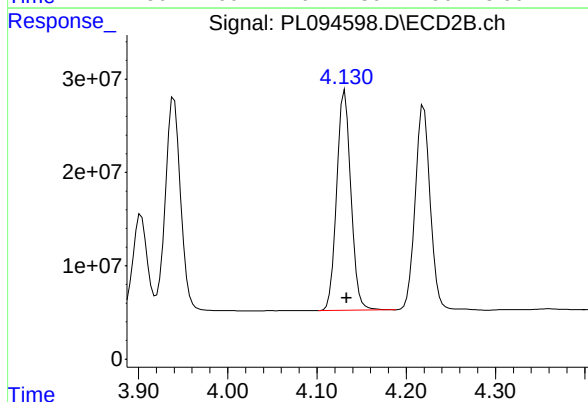
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.002 min
Response: 192088362
Conc: 49.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

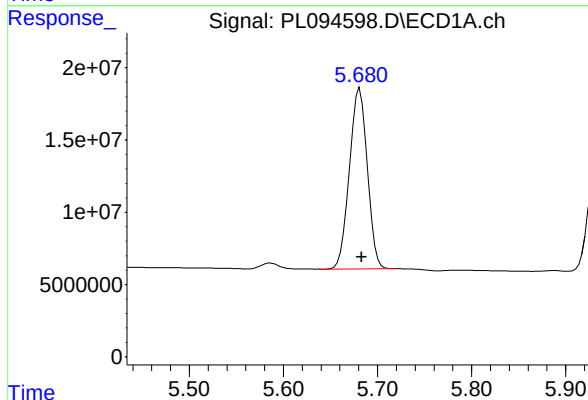
Manual Integrations
APPROVED

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



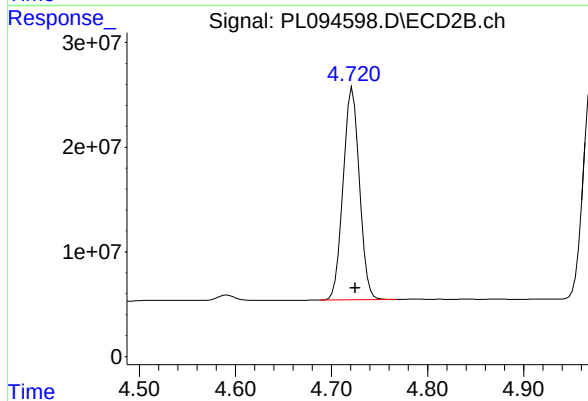
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 261262308
Conc: 52.23 ng/ml



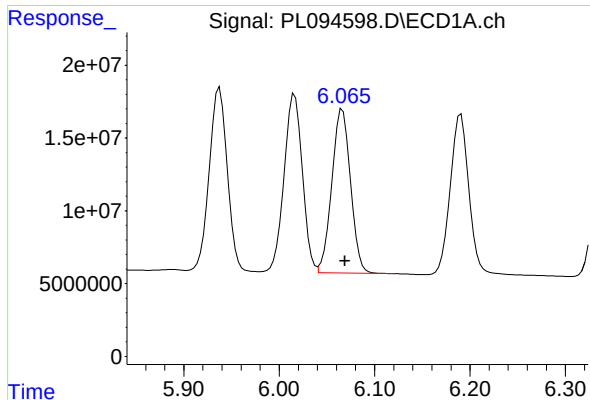
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 165312793
Conc: 49.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 237227095
Conc: 51.81 ng/ml m



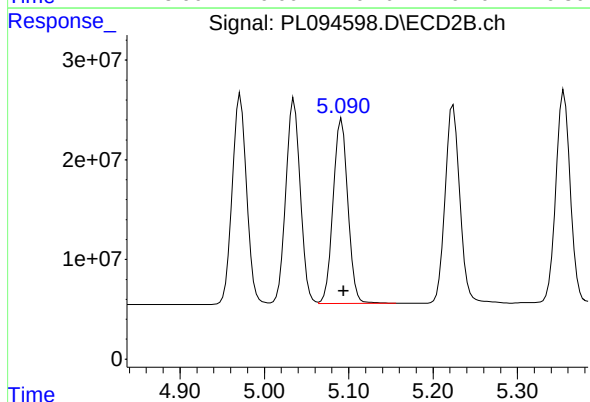
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 152587893
Conc: 49.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

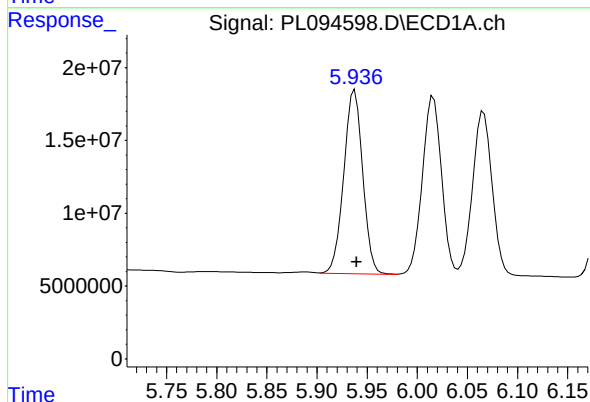
Manual Integrations
APPROVED

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



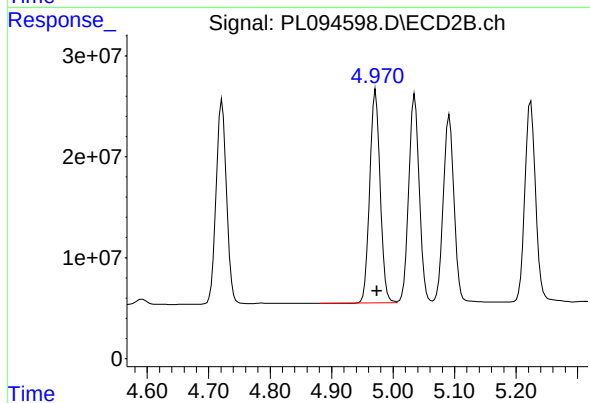
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 225668152
Conc: 51.42 ng/ml



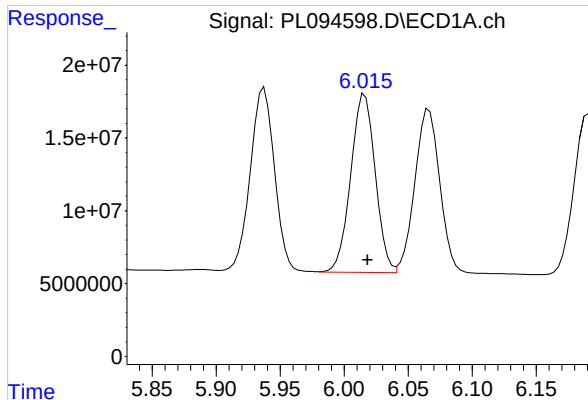
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 165920498
Conc: 49.24 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 248999688
Conc: 51.57 ng/ml



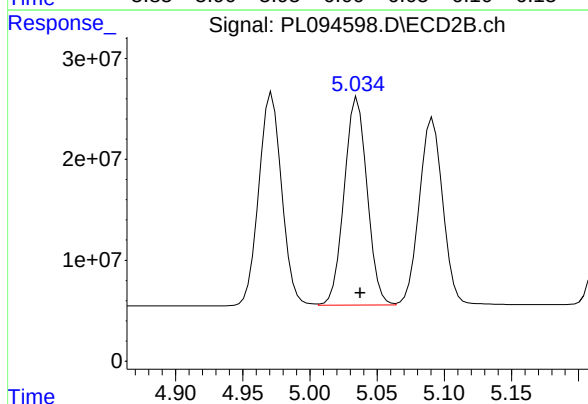
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 163026298
Conc: 49.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

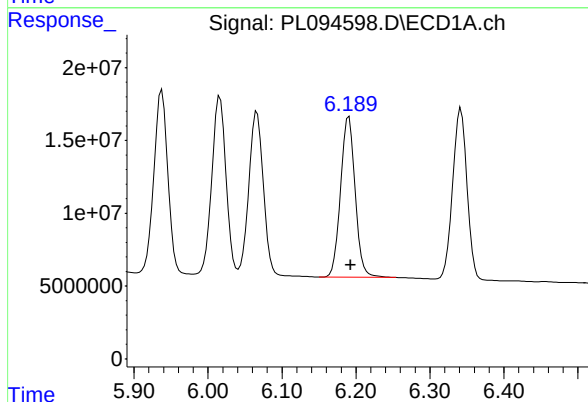
Manual Integrations
APPROVED

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



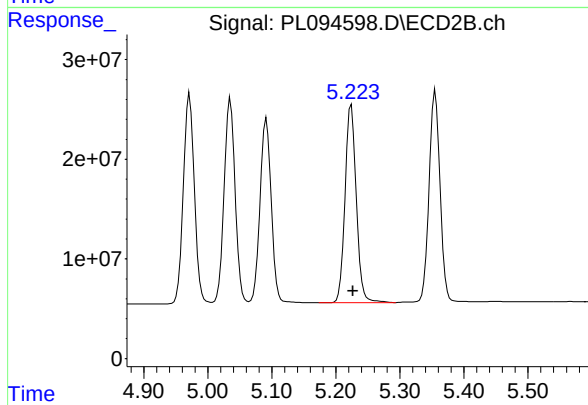
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 245611815
Conc: 51.46 ng/ml



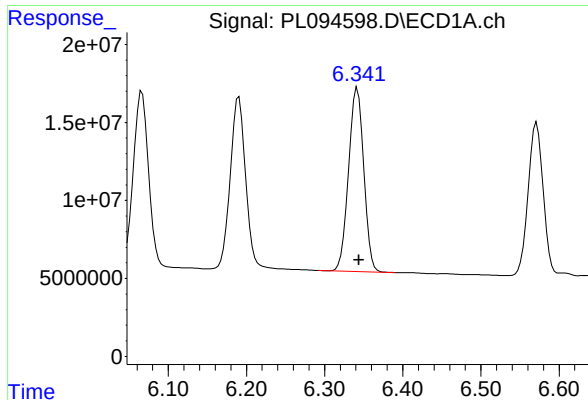
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 150940755
Conc: 51.30 ng/ml m



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.003 min
Response: 242387911
Conc: 52.14 ng/ml



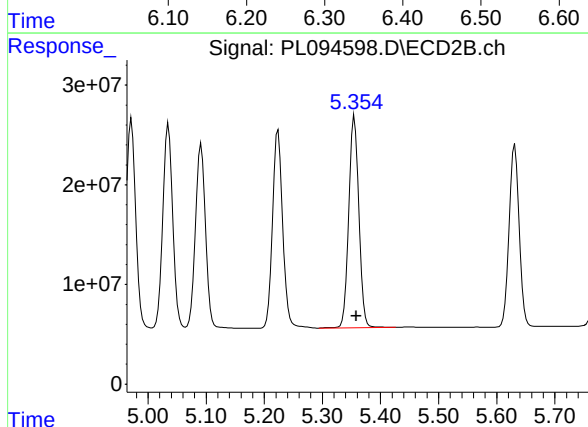
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 158882346
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

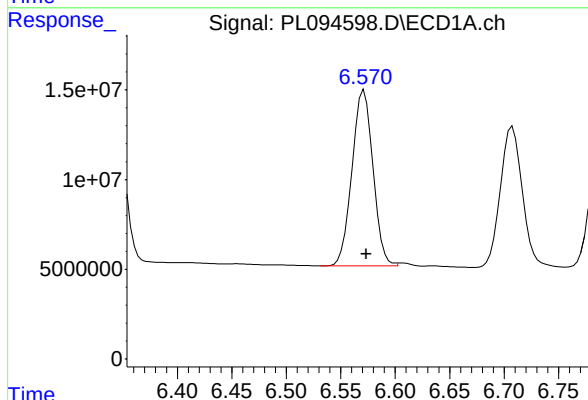
Manual Integrations
APPROVED

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



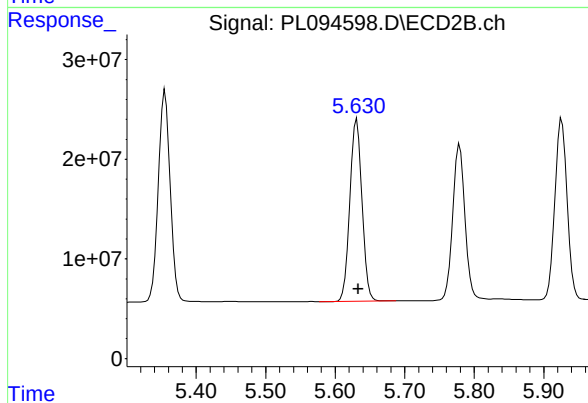
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 253525148
Conc: 52.25 ng/ml



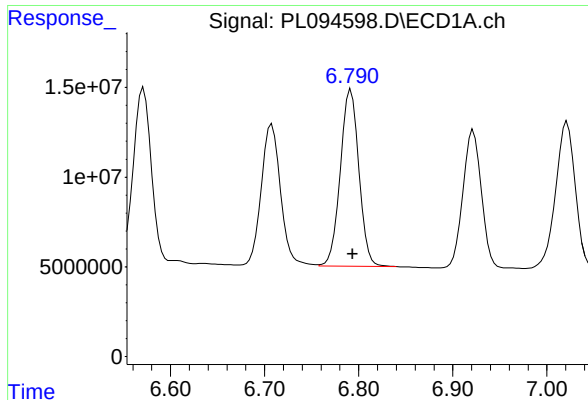
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 131675901
Conc: 47.50 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.002 min
Response: 221365320
Conc: 50.73 ng/ml



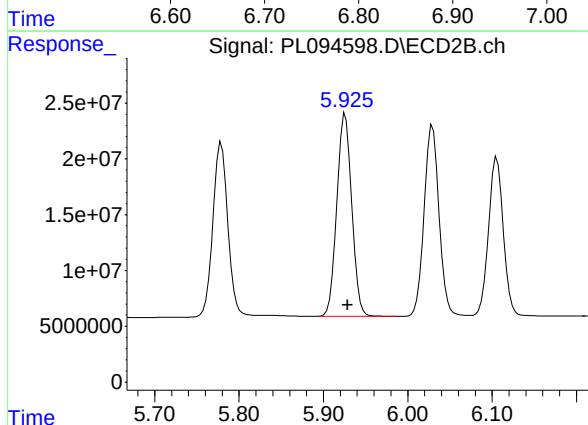
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 135095381
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

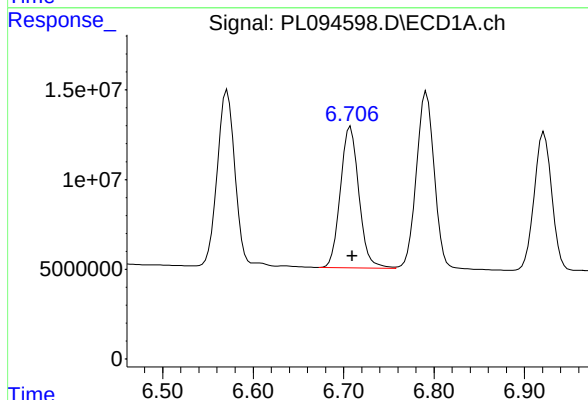
Manual Integrations
APPROVED

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



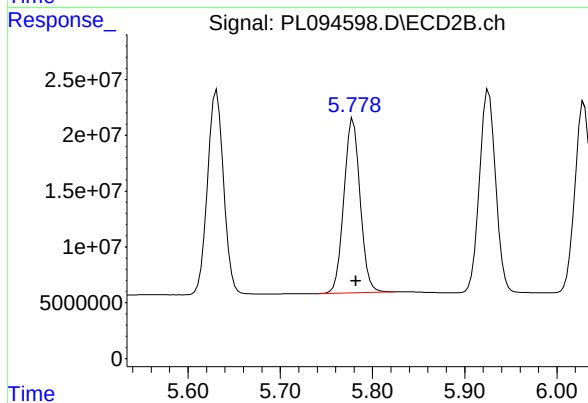
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 223242534
Conc: 51.58 ng/ml



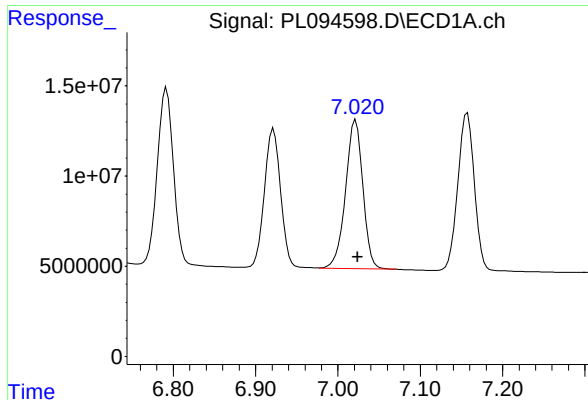
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 112228294
Conc: 51.81 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 190841234
Conc: 53.07 ng/ml



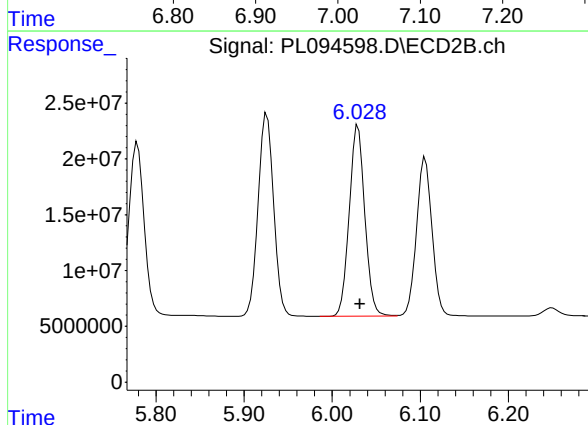
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 120465386
Conc: 50.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

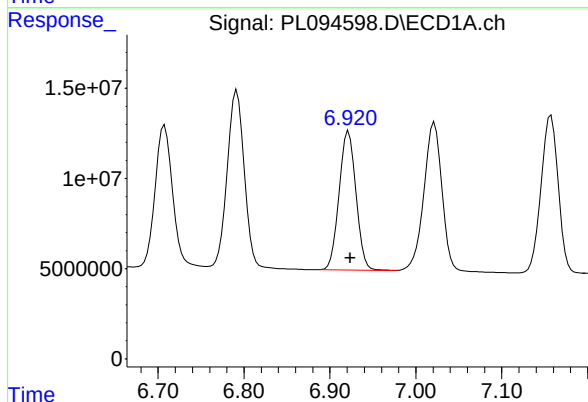
Manual Integrations
APPROVED

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



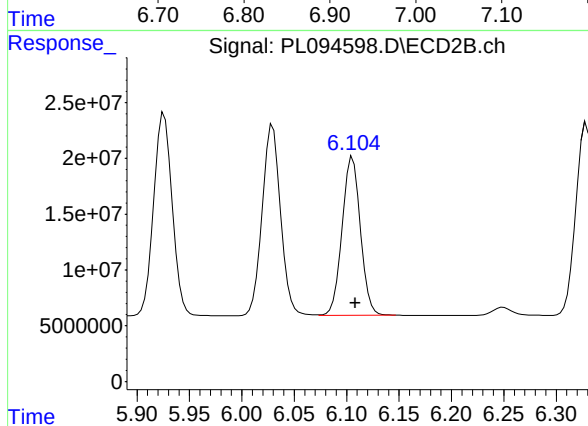
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.002 min
Response: 210768920
Conc: 52.27 ng/ml



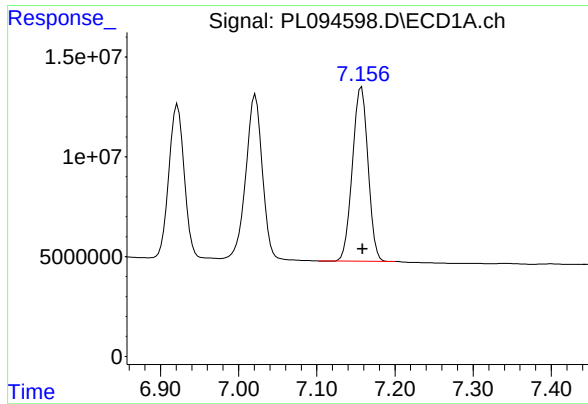
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 105284794
Conc: 49.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 173079229
Conc: 51.43 ng/ml



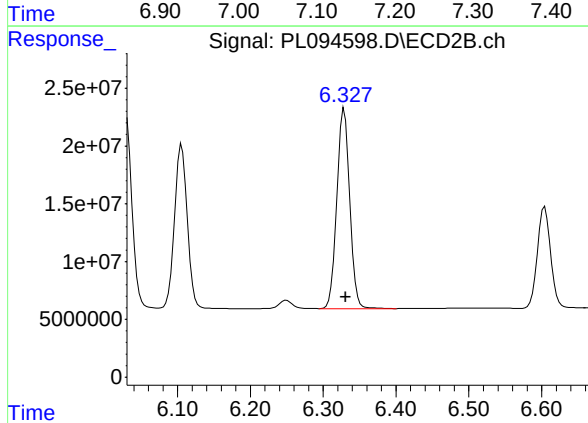
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.001 min
Response: 121304183
Conc: 49.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

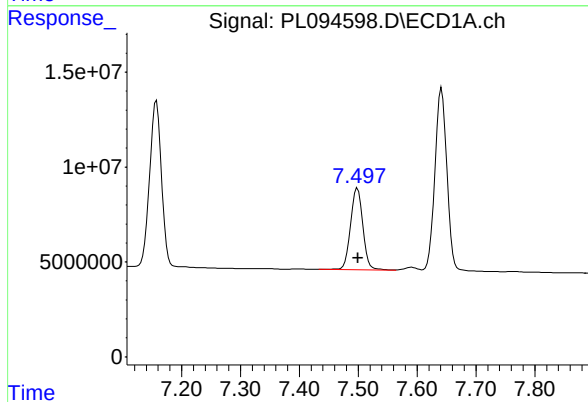
Manual Integrations
APPROVED

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



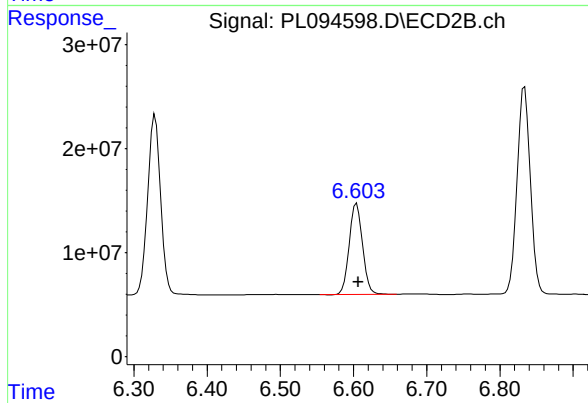
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.002 min
Response: 213095706
Conc: 52.31 ng/ml



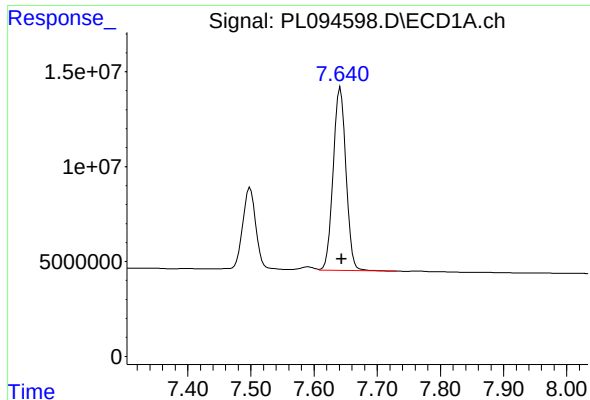
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 62816685
Conc: 52.48 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 110317187
Conc: 52.01 ng/ml



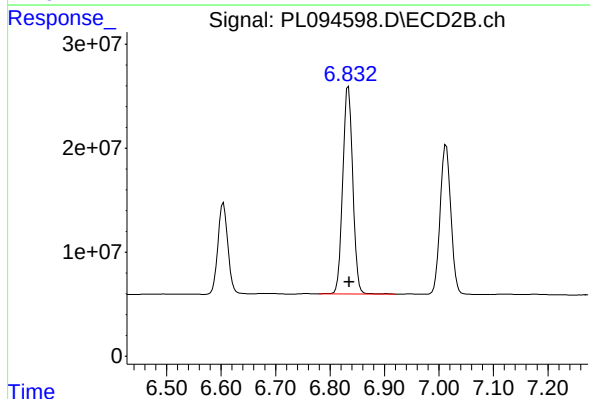
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 135880891
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

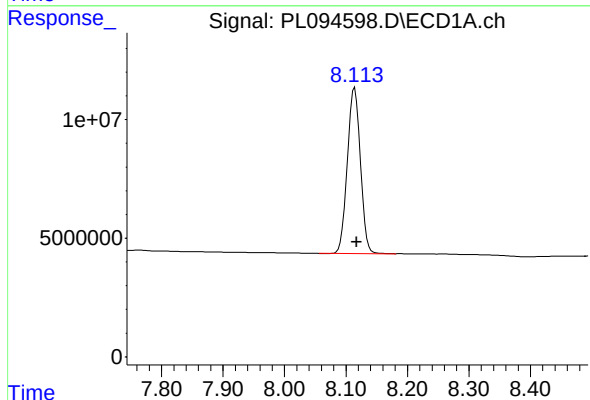
Manual Integrations
APPROVED

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



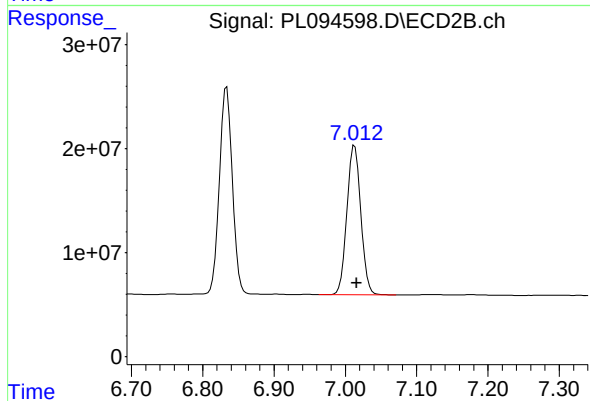
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.002 min
Response: 253520176
Conc: 53.12 ng/ml



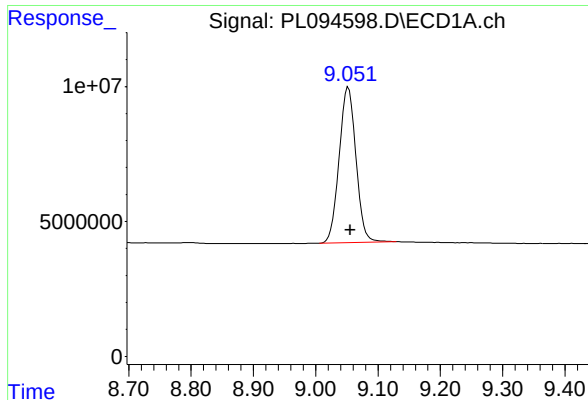
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 103269043
Conc: 49.98 ng/ml



#22 Mirex

R.T.: 7.013 min
Delta R.T.: -0.003 min
Response: 194773707
Conc: 51.32 ng/ml



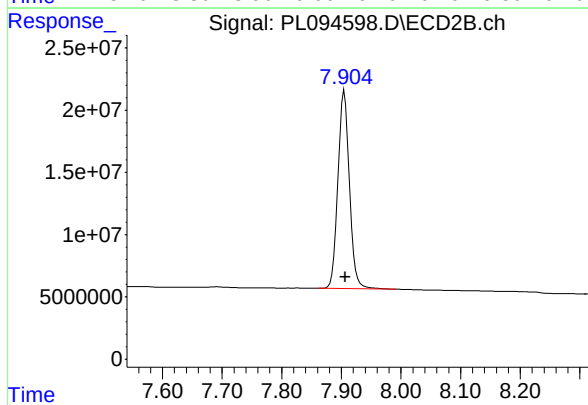
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 108115928
Conc: 51.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 213333418
Conc: 52.81 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 11:37 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 11:37 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.64	5.63	5.53	5.73	-0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL03 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094629.D Time Analyzed: 11:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.713	6.610	6.810	50.680	50.000	1.4
4,4'-DDE	6.198	6.093	6.293	48.410	50.000	-3.2
4,4'-DDT	7.029	6.924	7.124	48.550	50.000	-2.9
Aldrin	5.262	5.156	5.356	46.790	50.000	-6.4
alpha-BHC	4.000	3.894	4.094	47.480	50.000	-5.0
alpha-Chlordane	6.023	5.918	6.118	48.400	50.000	-3.2
beta-BHC	4.532	4.425	4.625	45.250	50.000	-9.5
Decachlorobiphenyl	9.061	8.956	9.156	49.940	50.000	-0.1
delta-BHC	4.779	4.673	4.873	46.420	50.000	-7.2
Dieldrin	6.349	6.244	6.444	46.770	50.000	-6.5
Endosulfan I	6.074	5.969	6.169	47.910	50.000	-4.2
Endosulfan II	6.798	6.694	6.894	47.370	50.000	-5.3
Endosulfan sulfate	7.164	7.059	7.259	47.550	50.000	-4.9
Endrin	6.577	6.474	6.674	44.250	50.000	-11.5
Endrin aldehyde	6.929	6.824	7.024	48.300	50.000	-3.4
Endrin ketone	7.648	7.544	7.744	48.780	50.000	-2.4
gamma-BHC (Lindane)	4.331	4.227	4.427	46.790	50.000	-6.4
gamma-Chlordane	5.943	5.840	6.040	46.650	50.000	-6.7
Heptachlor	4.921	4.815	5.015	46.010	50.000	-8.0
Heptachlor epoxide	5.687	5.583	5.783	47.200	50.000	-5.6
Methoxychlor	7.504	7.400	7.600	48.530	50.000	-2.9
Tetrachloro-m-xylene	3.544	3.438	3.638	47.630	50.000	-4.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL03 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094629.D Time Analyzed: 11:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.783	5.682	5.882	52.710	50.000	5.4
4,4'-DDE	5.225	5.127	5.327	49.690	50.000	-0.6
4,4'-DDT	6.032	5.932	6.132	48.430	50.000	-3.1
Aldrin	4.222	4.122	4.322	49.680	50.000	-0.6
alpha-BHC	3.274	3.174	3.374	50.080	50.000	0.2
alpha-Chlordane	5.038	4.938	5.138	49.730	50.000	-0.5
beta-BHC	3.905	3.805	4.005	49.470	50.000	-1.1
Decachlorobiphenyl	7.908	7.807	8.007	50.300	50.000	0.6
delta-BHC	4.133	4.033	4.233	50.450	50.000	0.9
Dieldrin	5.357	5.258	5.458	49.430	50.000	-1.1
Endosulfan I	5.094	4.994	5.194	47.120	50.000	-5.8
Endosulfan II	5.929	5.829	6.029	49.830	50.000	-0.3
Endosulfan sulfate	6.331	6.231	6.431	49.750	50.000	-0.5
Endrin	5.635	5.534	5.734	48.680	50.000	-2.6
Endrin aldehyde	6.109	6.008	6.208	47.890	50.000	-4.2
Endrin ketone	6.837	6.736	6.936	51.050	50.000	2.1
gamma-BHC (Lindane)	3.603	3.504	3.704	49.700	50.000	-0.6
gamma-Chlordane	4.974	4.874	5.074	49.990	50.000	0.0
Heptachlor	3.942	3.842	4.042	48.400	50.000	-3.2
Heptachlor epoxide	4.725	4.625	4.825	49.590	50.000	-0.8
Methoxychlor	6.608	6.507	6.707	48.280	50.000	-3.4
Tetrachloro-m-xylene	2.772	2.672	2.872	49.670	50.000	-0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094629.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 11:37
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 13:27:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.772	134.8E6	177.3E6	47.628	49.666
28)	SA Decachlor...	9.061	7.908	105.3E6	203.2E6	49.944	50.302
Target Compounds							
2)	A alpha-BHC	4.000	3.274	197.2E6	270.0E6	47.480	50.076
3)	MA gamma-BHC...	4.331	3.603	186.7E6	255.4E6	46.791m	49.700m
4)	MA Heptachlor	4.921	3.942	178.6E6	255.0E6	46.005	48.403
5)	MB Aldrin	5.262	4.222	172.8E6	242.3E6	46.791	49.681
6)	B beta-BHC	4.532	3.905	83500486	109.9E6	45.252	49.467
7)	B delta-BHC	4.779	4.133	180.8E6	252.4E6	46.422	50.455
8)	B Heptachlo...	5.687	4.725	157.9E6	227.1E6	47.199m	49.593
9)	A Endosulfan I	6.074	5.094	147.1E6	206.8E6	47.908	47.116
10)	B gamma-Chl...	5.943	4.974	157.2E6	241.4E6	46.650m	49.994
11)	B alpha-Chl...	6.023	5.038	159.6E6	237.3E6	48.405	49.729
12)	B 4,4'-DDE	6.198	5.225	142.4E6	231.0E6	48.413	49.693m
13)	MA Dieldrin	6.349	5.357	149.6E6	239.8E6	46.769	49.427m
14)	MA Endrin	6.577	5.635	122.7E6	212.4E6	44.250m	48.678
15)	B Endosulfa...	6.798	5.929	128.6E6	215.7E6	47.372m	49.829
16)	A 4,4'-DDD	6.713	5.783	109.8E6	189.6E6	50.679m	52.714
17)	MA 4,4'-DDT	7.029	6.032	115.5E6	195.3E6	48.551	48.435
18)	B Endrin al...	6.929	6.109	102.0E6	161.2E6	48.303	47.895
19)	B Endosulfa...	7.164	6.331	115.6E6	202.7E6	47.552	49.753
20)	A Methoxychlor	7.504	6.608	58089782	102.4E6	48.527	48.277
21)	B Endrin ke...	7.648	6.837	128.9E6	243.6E6	48.784	51.051
22)	Mirex	8.120	7.016	97780853	184.7E6	47.322	48.669

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 11:37
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

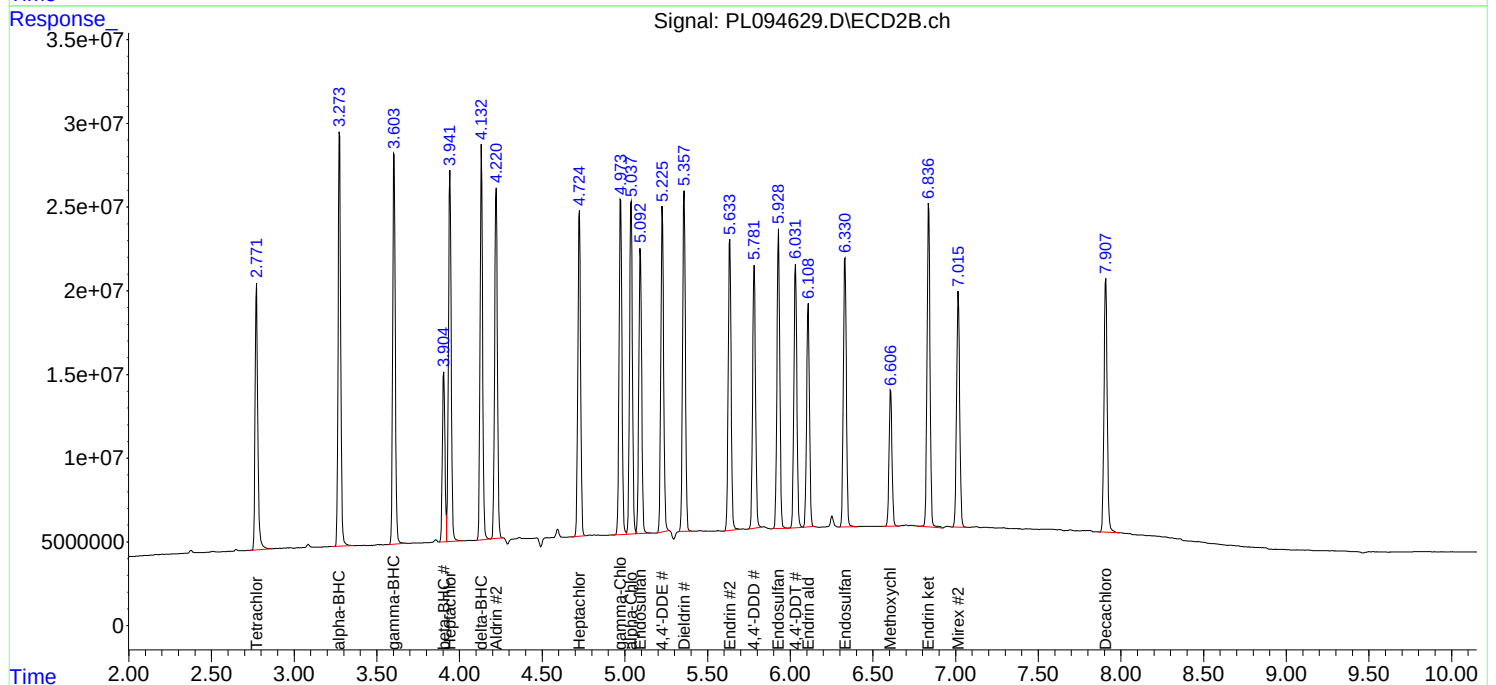
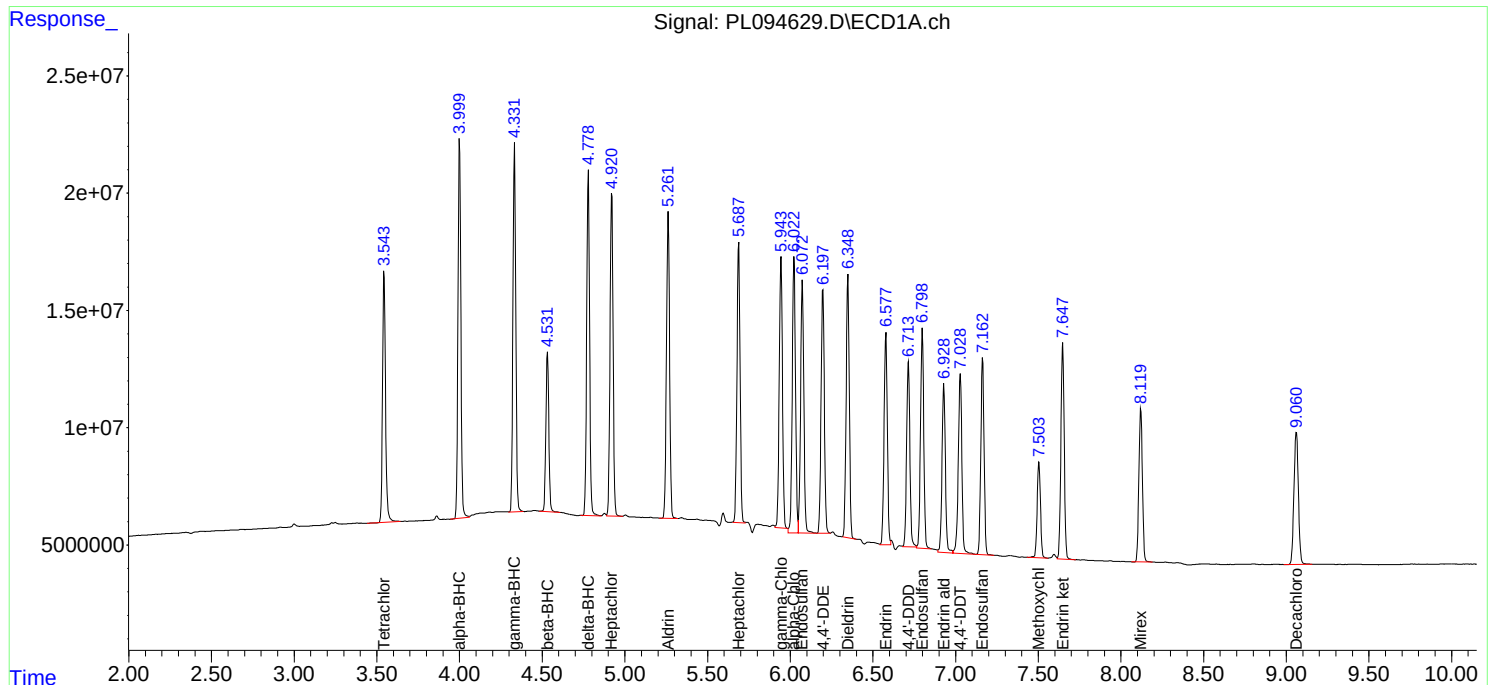
APPROVED

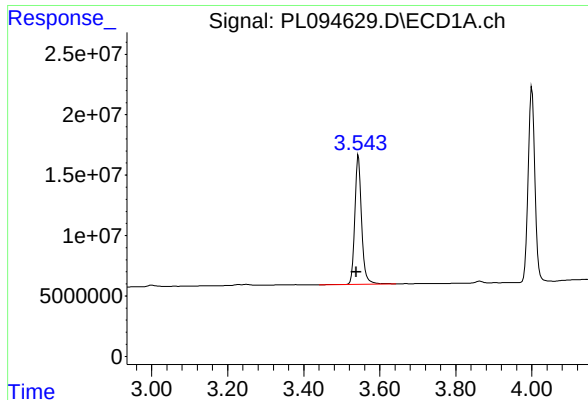
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 13:27:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





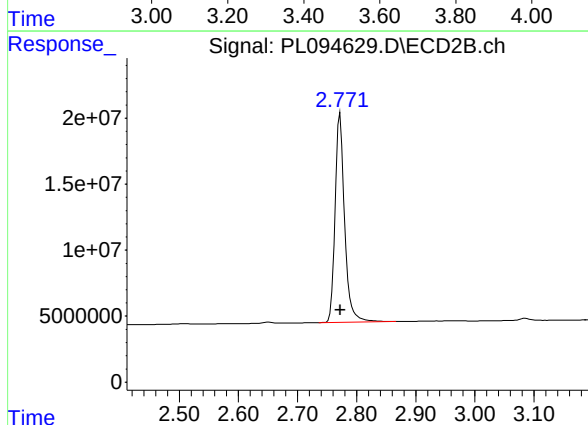
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.006 min
Response: 134818234
Conc: 47.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

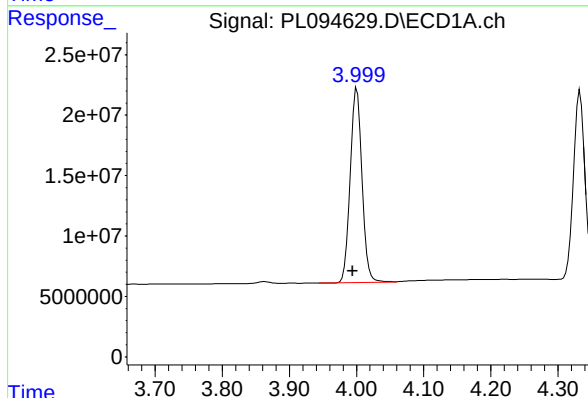
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



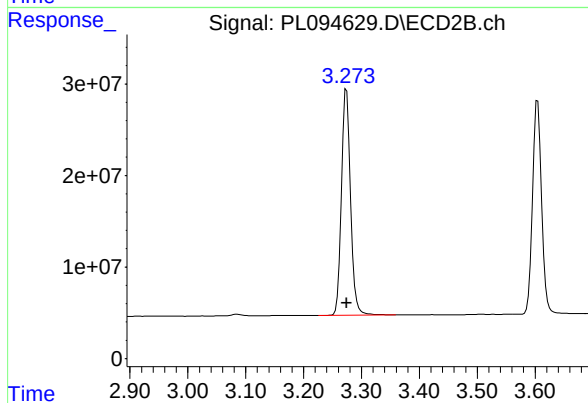
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 177270509
Conc: 49.67 ng/ml



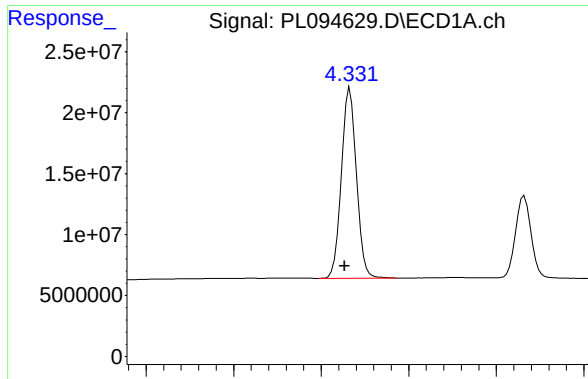
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.006 min
Response: 197154288
Conc: 47.48 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 269980855
Conc: 50.08 ng/ml



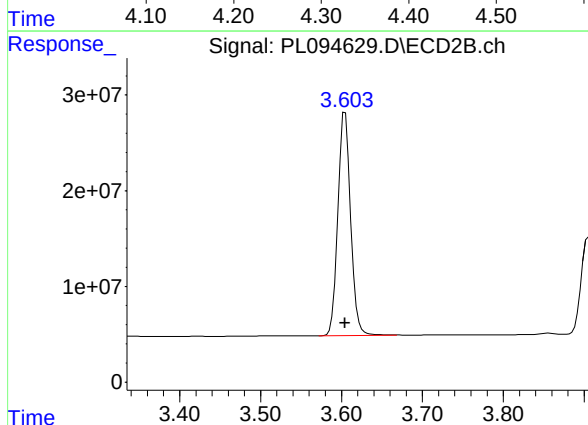
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.005 min
Response: 186708737
Conc: 46.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

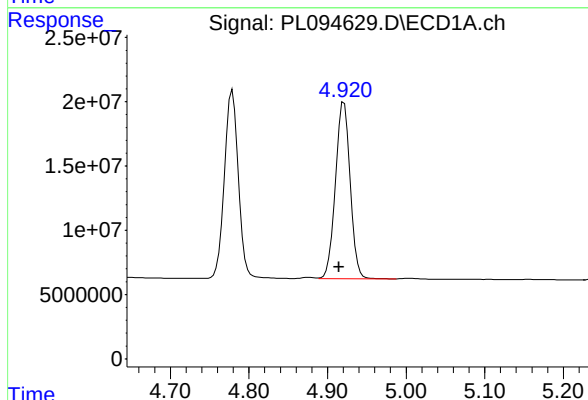
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



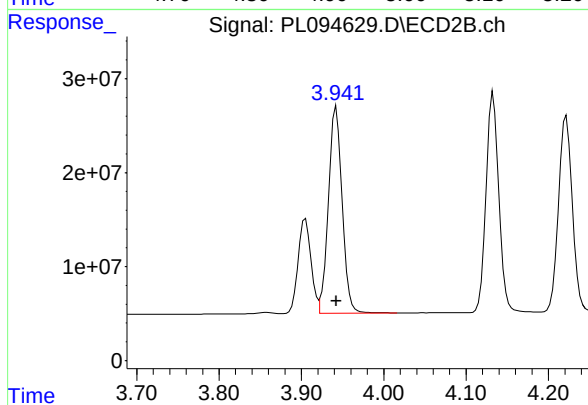
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 255432688
Conc: 49.70 ng/ml



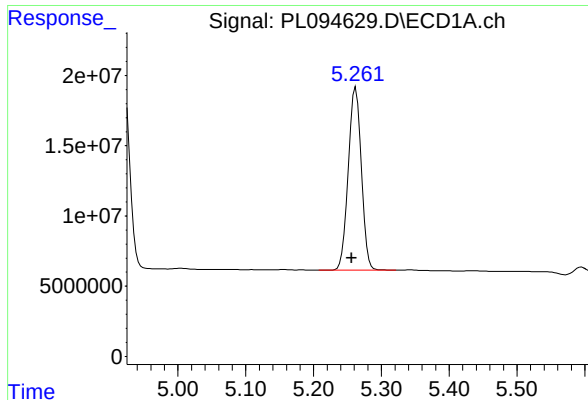
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.006 min
Response: 178574691
Conc: 46.01 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 255017901
Conc: 48.40 ng/ml



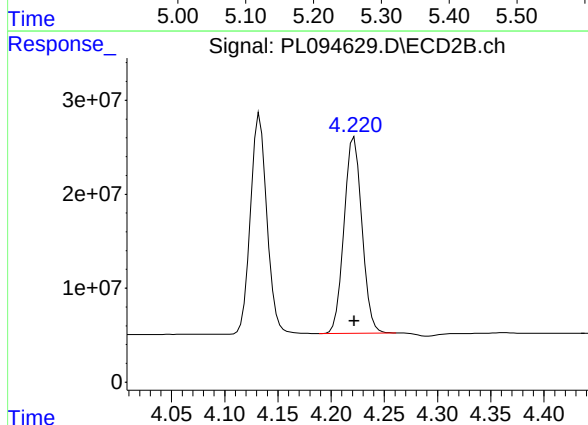
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 172762618
Conc: 46.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

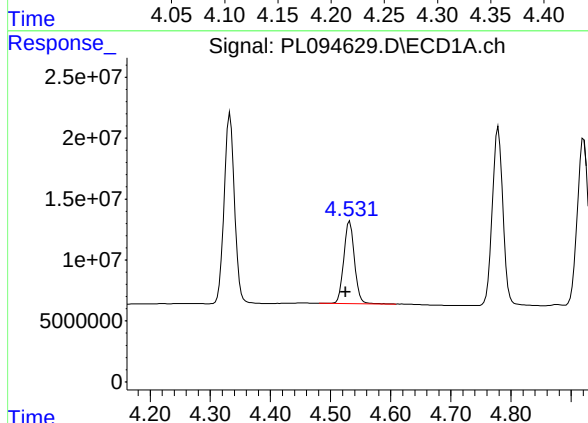
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



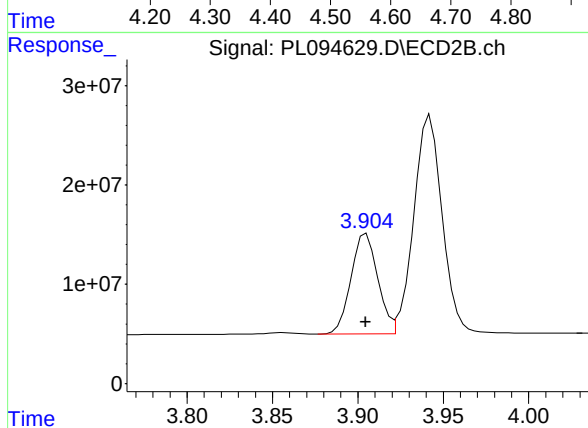
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: 0.000 min
Response: 242261094
Conc: 49.68 ng/ml



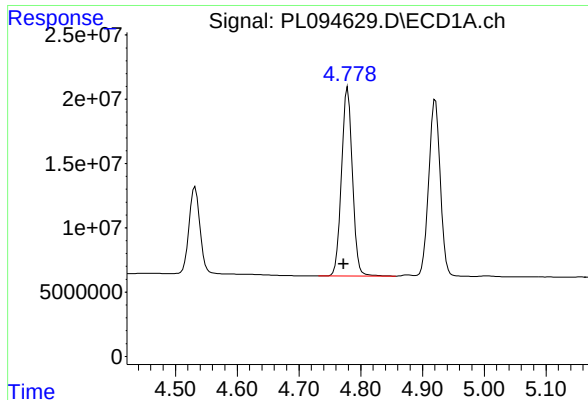
#6 beta-BHC

R.T.: 4.532 min
Delta R.T.: 0.007 min
Response: 83500486
Conc: 45.25 ng/ml



#6 beta-BHC

R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 109880172
Conc: 49.47 ng/ml



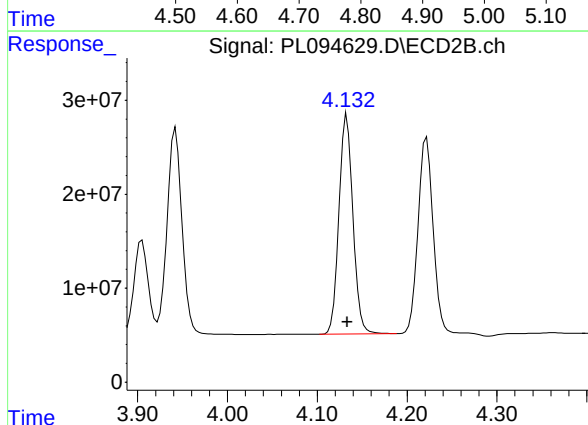
#7 delta-BHC

R.T.: 4.779 min
Delta R.T.: 0.006 min
Response: 180780260
Conc: 46.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

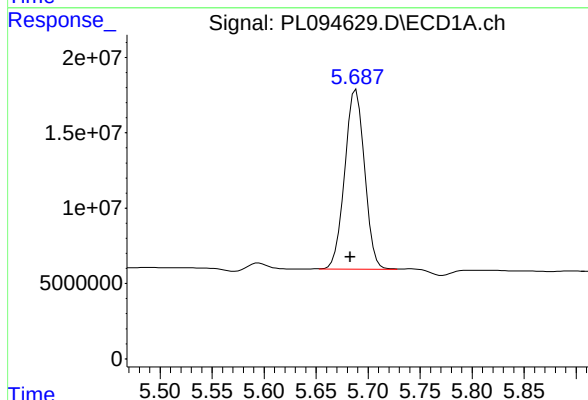
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



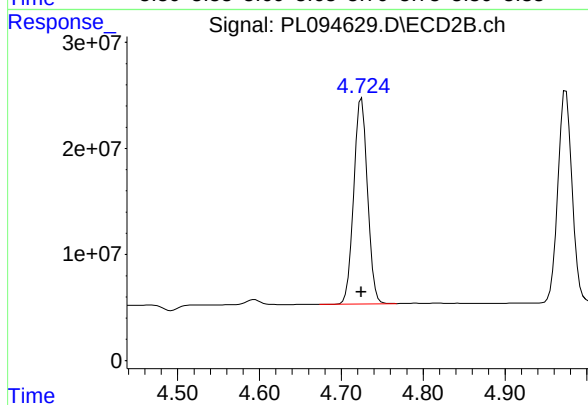
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: 0.000 min
Response: 252373516
Conc: 50.45 ng/ml



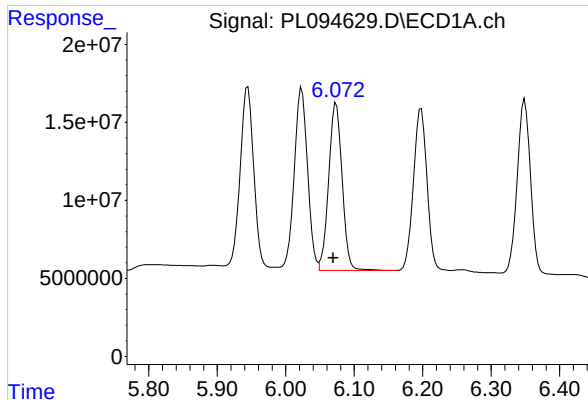
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.004 min
Response: 157888334
Conc: 47.20 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 227066442
Conc: 49.59 ng/ml



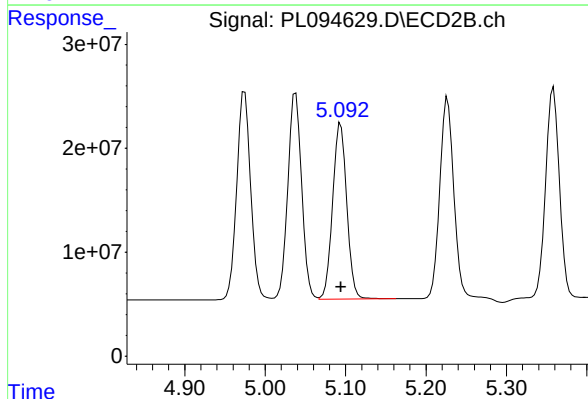
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.005 min
Response: 147087282
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

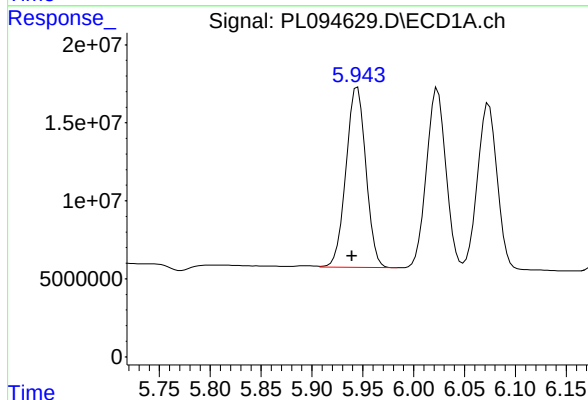
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



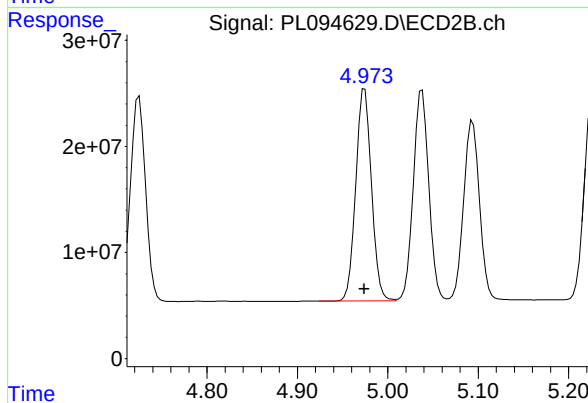
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: 0.000 min
Response: 206780340
Conc: 47.12 ng/ml



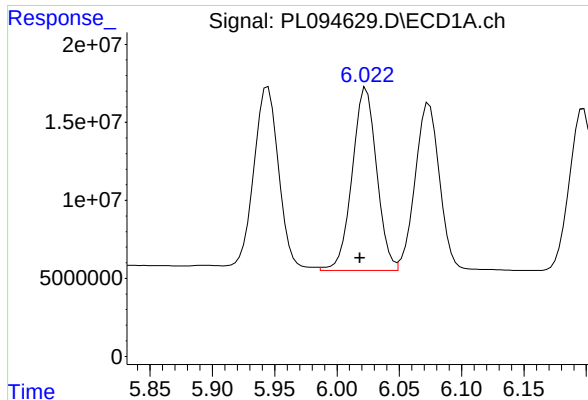
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.004 min
Response: 157180262
Conc: 46.65 ng/ml m



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 241393947
Conc: 49.99 ng/ml



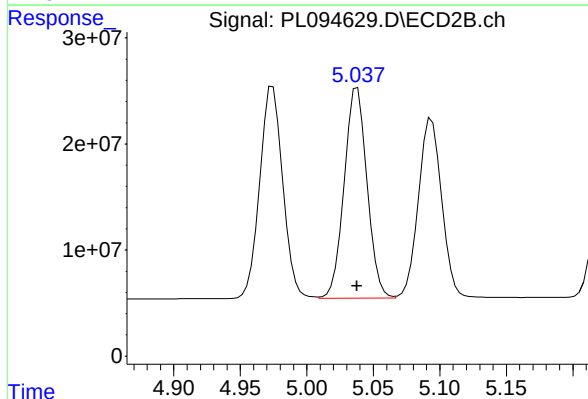
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.005 min
Response: 159582146
Conc: 48.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

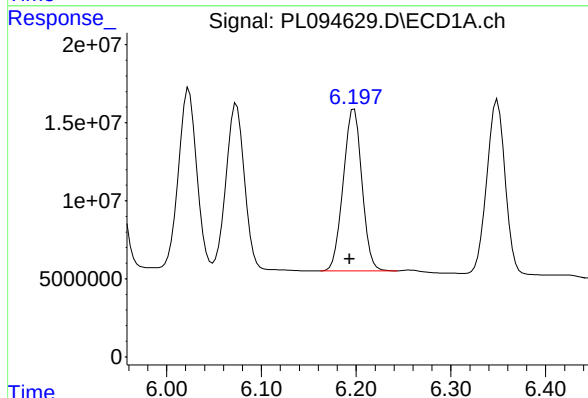
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



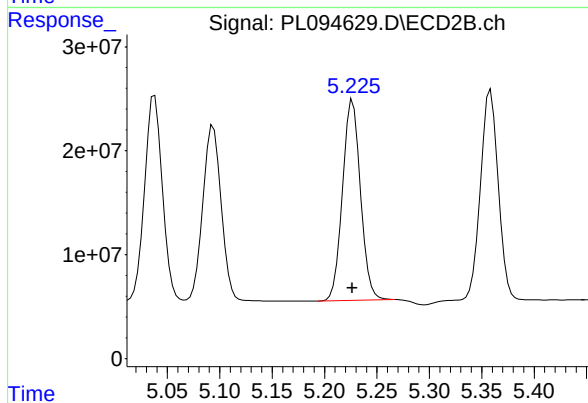
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: 0.000 min
Response: 237346424
Conc: 49.73 ng/ml



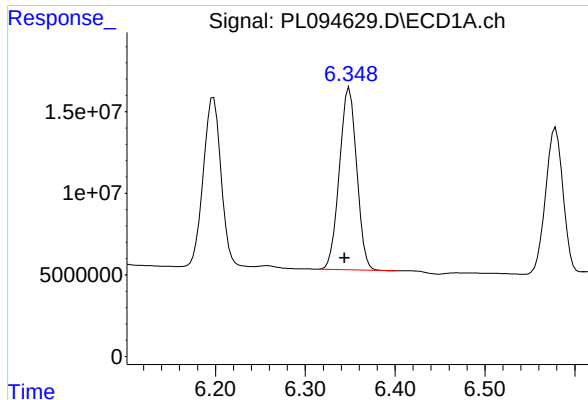
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 142434658
Conc: 48.41 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.001 min
Response: 231000272
Conc: 49.69 ng/ml m



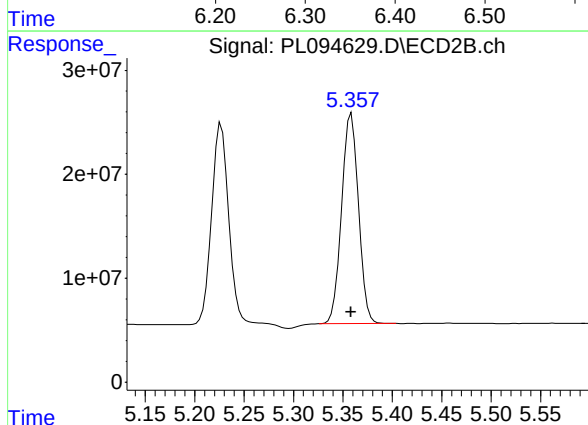
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.005 min
Response: 149572542
Conc: 46.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

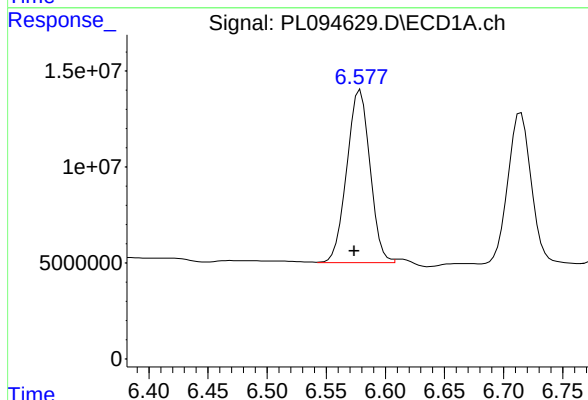
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



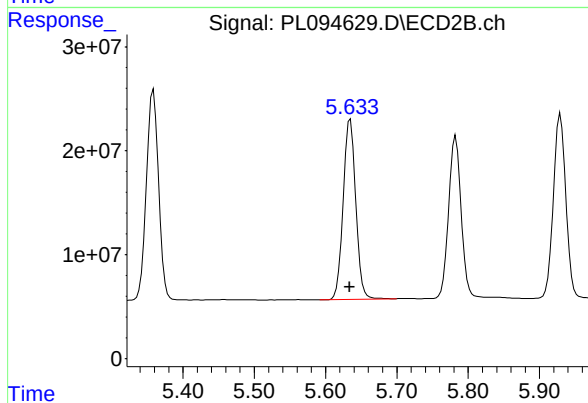
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.001 min
Response: 239810557
Conc: 49.43 ng/ml m



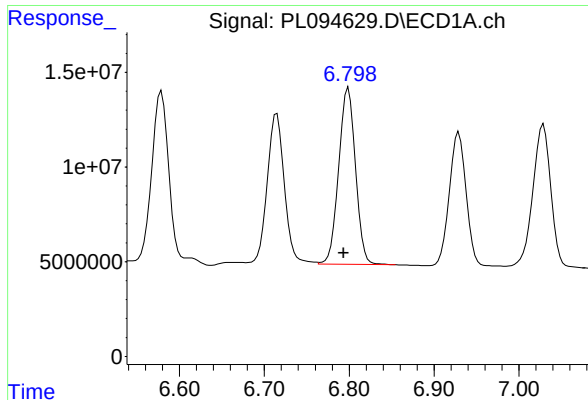
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 122664362
Conc: 44.25 ng/ml m



#14 Endrin

R.T.: 5.635 min
Delta R.T.: 0.001 min
Response: 212414862
Conc: 48.68 ng/ml



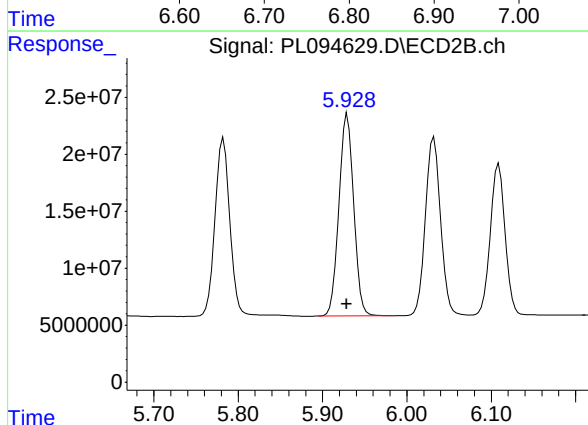
#15 Endosulfan II

R.T.: 6.798 min
Delta R.T.: 0.004 min
Response: 128603839
Conc: 47.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

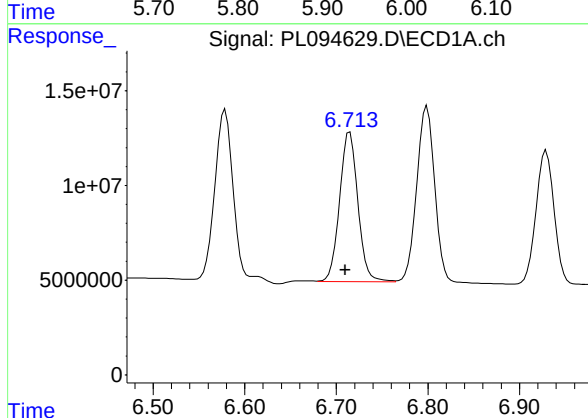
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



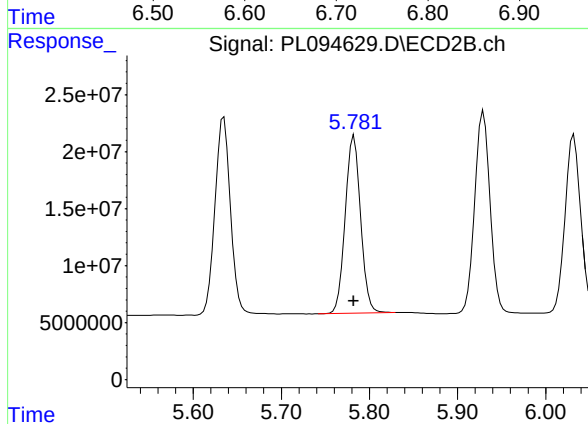
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 215674246
Conc: 49.83 ng/ml



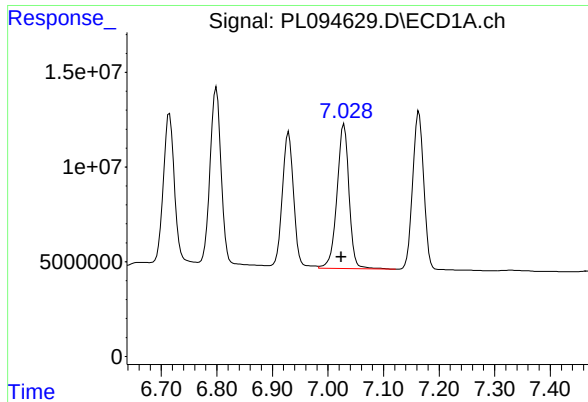
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 109773098
Conc: 50.68 ng/ml m



#16 4,4'-DDD

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 189554756
Conc: 52.71 ng/ml



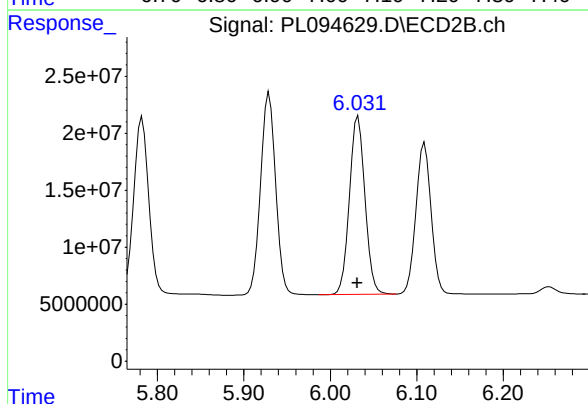
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.005 min
Response: 115479510
Conc: 48.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

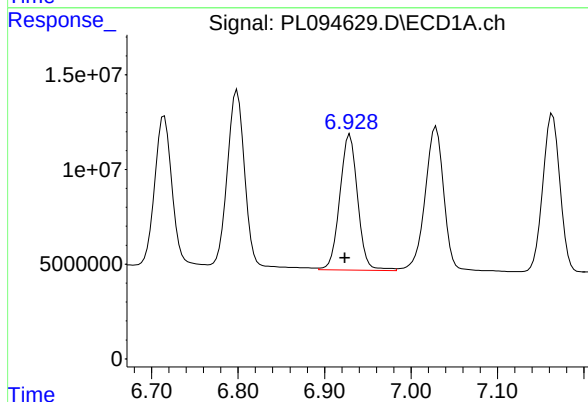
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



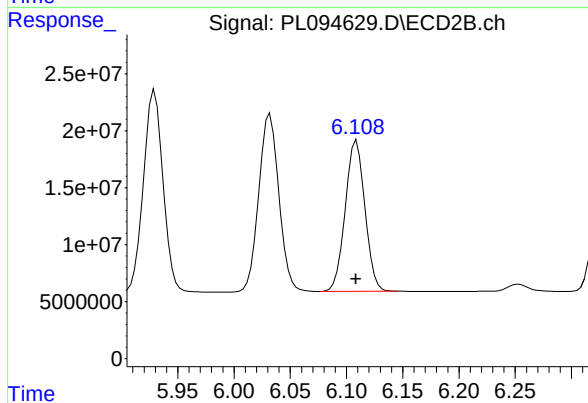
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 195294562
Conc: 48.43 ng/ml



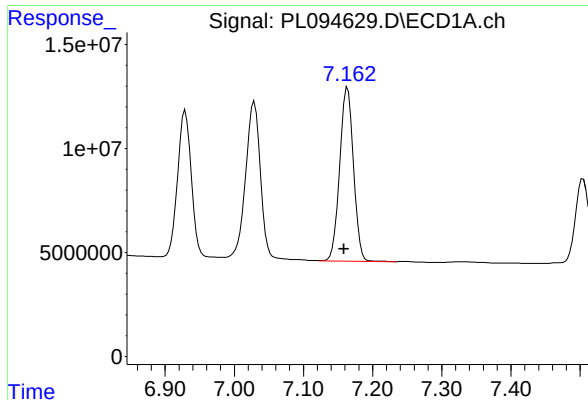
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.005 min
Response: 101968111
Conc: 48.30 ng/ml



#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 161183546
Conc: 47.89 ng/ml



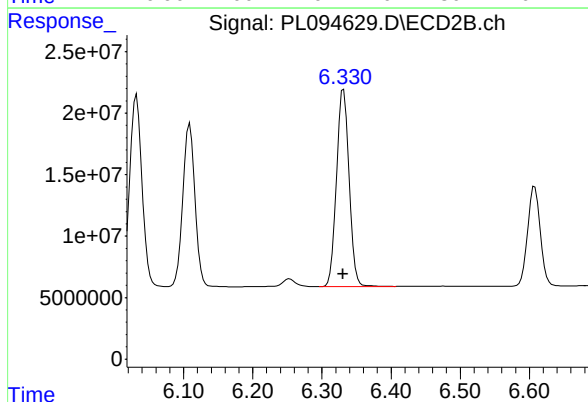
#19 Endosulfan Sulfate

R.T.: 7.164 min
Delta R.T.: 0.005 min
Response: 115646570
Conc: 47.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

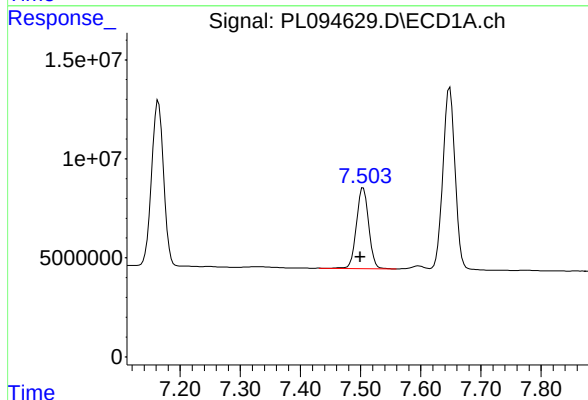
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



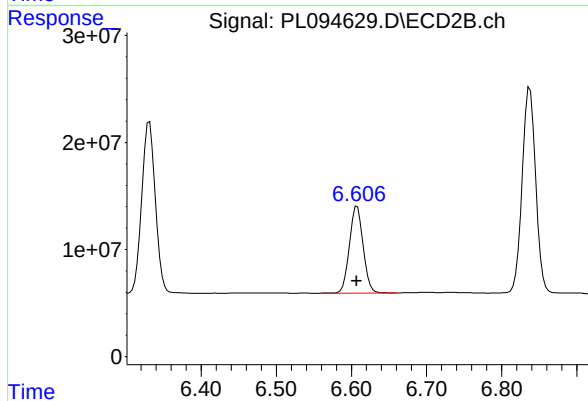
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 202666146
Conc: 49.75 ng/ml



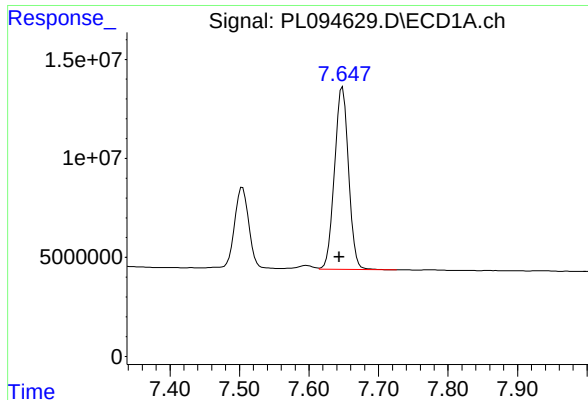
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.005 min
Response: 58089782
Conc: 48.53 ng/ml



#20 Methoxychlor

R.T.: 6.608 min
Delta R.T.: 0.000 min
Response: 102398070
Conc: 48.28 ng/ml



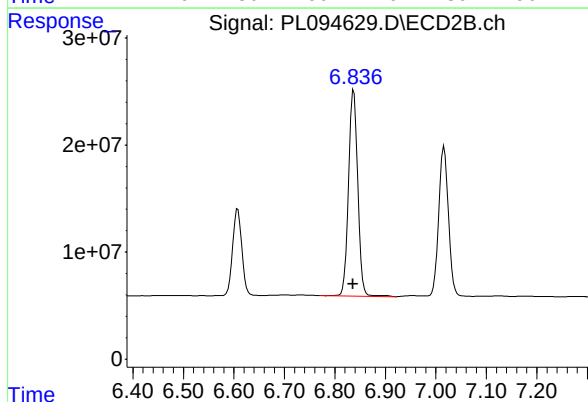
#21 Endrin ketone

R.T.: 7.648 min
Delta R.T.: 0.005 min
Response: 128949342
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

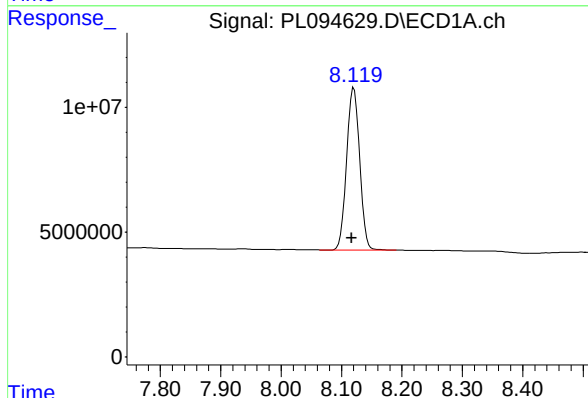
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



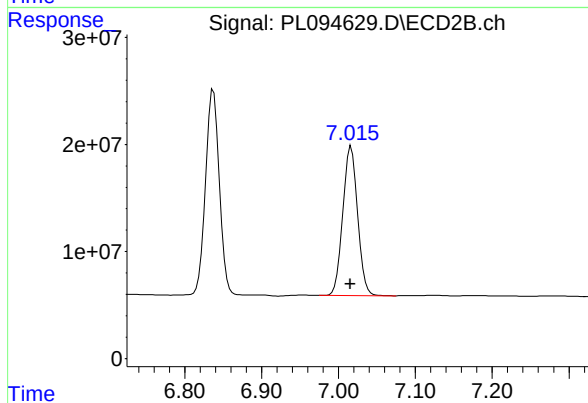
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.001 min
Response: 243644438
Conc: 51.05 ng/ml



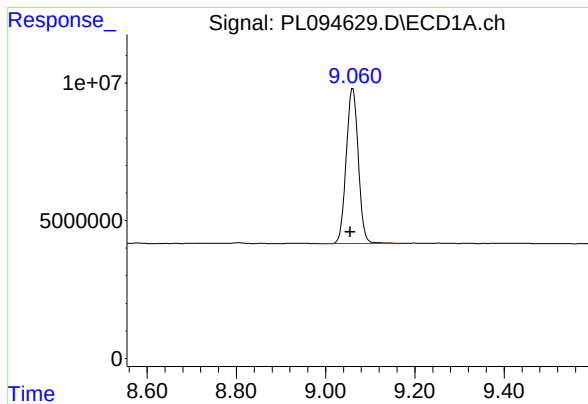
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.004 min
Response: 97780853
Conc: 47.32 ng/ml



#22 Mirex

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 184715661
Conc: 48.67 ng/ml



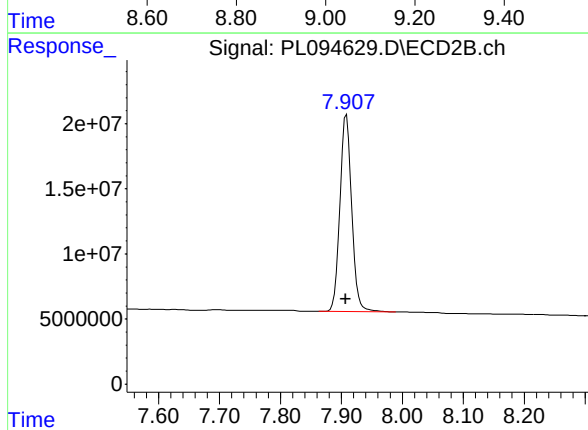
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: 0.005 min
Response: 105255005
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: 0.002 min
Response: 203188178
Conc: 50.30 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 Initial Calibration Time(s): 10:35 11:29

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

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



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Continuing Calib Date: 03/12/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 Initial Calibration Time(s): 10:35 11:29

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

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



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CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL04 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094640.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.610	6.810	52.000	50.000	4.0
4,4'-DDE	6.191	6.093	6.293	50.300	50.000	0.6
4,4'-DDT	7.021	6.924	7.124	47.670	50.000	-4.7
Aldrin	5.255	5.156	5.356	48.470	50.000	-3.1
alpha-BHC	3.993	3.894	4.094	48.920	50.000	-2.2
alpha-Chlordane	6.016	5.918	6.118	48.490	50.000	-3.0
beta-BHC	4.524	4.425	4.625	47.250	50.000	-5.5
Decachlorobiphenyl	9.053	8.956	9.156	51.250	50.000	2.5
delta-BHC	4.771	4.673	4.873	47.900	50.000	-4.2
Dieldrin	6.342	6.244	6.444	48.390	50.000	-3.2
Endosulfan I	6.067	5.969	6.169	48.390	50.000	-3.2
Endosulfan II	6.792	6.694	6.894	48.190	50.000	-3.6
Endosulfan sulfate	7.157	7.059	7.259	48.870	50.000	-2.3
Endrin	6.571	6.474	6.674	45.720	50.000	-8.6
Endrin aldehyde	6.922	6.824	7.024	47.920	50.000	-4.2
Endrin ketone	7.642	7.544	7.744	49.870	50.000	-0.3
gamma-BHC (Lindane)	4.326	4.227	4.427	48.680	50.000	-2.6
gamma-Chlordane	5.938	5.840	6.040	48.560	50.000	-2.9
Heptachlor	4.913	4.815	5.015	47.570	50.000	-4.9
Heptachlor epoxide	5.682	5.583	5.783	48.580	50.000	-2.8
Methoxychlor	7.499	7.400	7.600	49.660	50.000	-0.7
Tetrachloro-m-xylene	3.537	3.438	3.638	49.080	50.000	-1.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No.: CCAL04 Date Analyzed: 03/12/2025

Lab Sample No.: PSTDCCC050 Data File : PL094640.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.779	5.682	5.882	55.060	50.000	10.1
4,4'-DDE	5.223	5.127	5.327	52.410	50.000	4.8
4,4'-DDT	6.029	5.932	6.132	49.980	50.000	0.0
Aldrin	4.219	4.122	4.322	52.310	50.000	4.6
alpha-BHC	3.273	3.174	3.374	52.640	50.000	5.3
alpha-Chlordane	5.035	4.938	5.138	51.700	50.000	3.4
beta-BHC	3.903	3.805	4.005	52.240	50.000	4.5
Decachlorobiphenyl	7.904	7.807	8.007	53.140	50.000	6.3
delta-BHC	4.131	4.033	4.233	53.070	50.000	6.1
Dieldrin	5.354	5.258	5.458	51.720	50.000	3.4
Endosulfan I	5.091	4.994	5.194	47.870	50.000	-4.3
Endosulfan II	5.926	5.829	6.029	51.590	50.000	3.2
Endosulfan sulfate	6.328	6.231	6.431	51.970	50.000	3.9
Endrin	5.631	5.534	5.734	50.500	50.000	1.0
Endrin aldehyde	6.106	6.008	6.208	49.840	50.000	-0.3
Endrin ketone	6.833	6.736	6.936	53.270	50.000	6.5
gamma-BHC (Lindane)	3.603	3.504	3.704	52.540	50.000	5.1
gamma-Chlordane	4.972	4.874	5.074	52.060	50.000	4.1
Heptachlor	3.940	3.842	4.042	50.950	50.000	1.9
Heptachlor epoxide	4.722	4.625	4.825	51.880	50.000	3.8
Methoxychlor	6.604	6.507	6.707	50.260	50.000	0.5
Tetrachloro-m-xylene	2.771	2.672	2.872	51.710	50.000	3.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094640.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:34:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	138.9E6	184.6E6	49.079	51.707
28)	SA Decachlor...	9.053	7.904	108.0E6	214.7E6	51.252	53.143
Target Compounds							
2)	A alpha-BHC	3.993	3.273	203.1E6	283.8E6	48.920	52.639
3)	MA gamma-BHC...	4.326	3.603	194.2E6	270.0E6	48.680	52.543
4)	MA Heptachlor	4.913	3.940	184.7E6	268.4E6	47.572	50.946
5)	MB Aldrin	5.255	4.219	179.0E6	255.1E6	48.473	52.307
6)	B beta-BHC	4.524	3.903	87177853	116.0E6	47.245	52.236
7)	B delta-BHC	4.771	4.131	186.5E6	265.4E6	47.901	53.068
8)	B Heptachlo...	5.682	4.722	162.5E6	237.5E6	48.578	51.877
9)	A Endosulfan I	6.067	5.091	148.6E6	210.1E6	48.385	47.873
10)	B gamma-Chl...	5.938	4.972	163.6E6	251.4E6	48.556	52.064
11)	B alpha-Chl...	6.016	5.035	159.8E6	246.7E6	48.485	51.696
12)	B 4,4'-DDE	6.191	5.223	148.0E6	243.6E6	50.298	52.406m
13)	MA Dieldrin	6.342	5.354	154.7E6	250.9E6	48.387	51.719m
14)	MA Endrin	6.571	5.631	126.7E6	220.4E6	45.717m	50.501
15)	B Endosulfa...	6.792	5.926	130.8E6	223.3E6	48.189	51.588
16)	A 4,4'-DDD	6.708	5.779	112.6E6	198.0E6	52.004	55.062
17)	MA 4,4'-DDT	7.021	6.029	113.4E6	201.5E6	47.667	49.984
18)	B Endrin al...	6.922	6.106	101.2E6	167.7E6	47.920	49.843
19)	B Endosulfa...	7.157	6.328	118.8E6	211.7E6	48.867	51.965
20)	A Methoxychlor	7.499	6.604	59449549	106.6E6	49.662	50.261
21)	B Endrin ke...	7.642	6.833	131.8E6	254.2E6	49.875	53.268
22)	Mirex	8.114	7.013	101.3E6	191.1E6	49.010	50.359

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094640.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

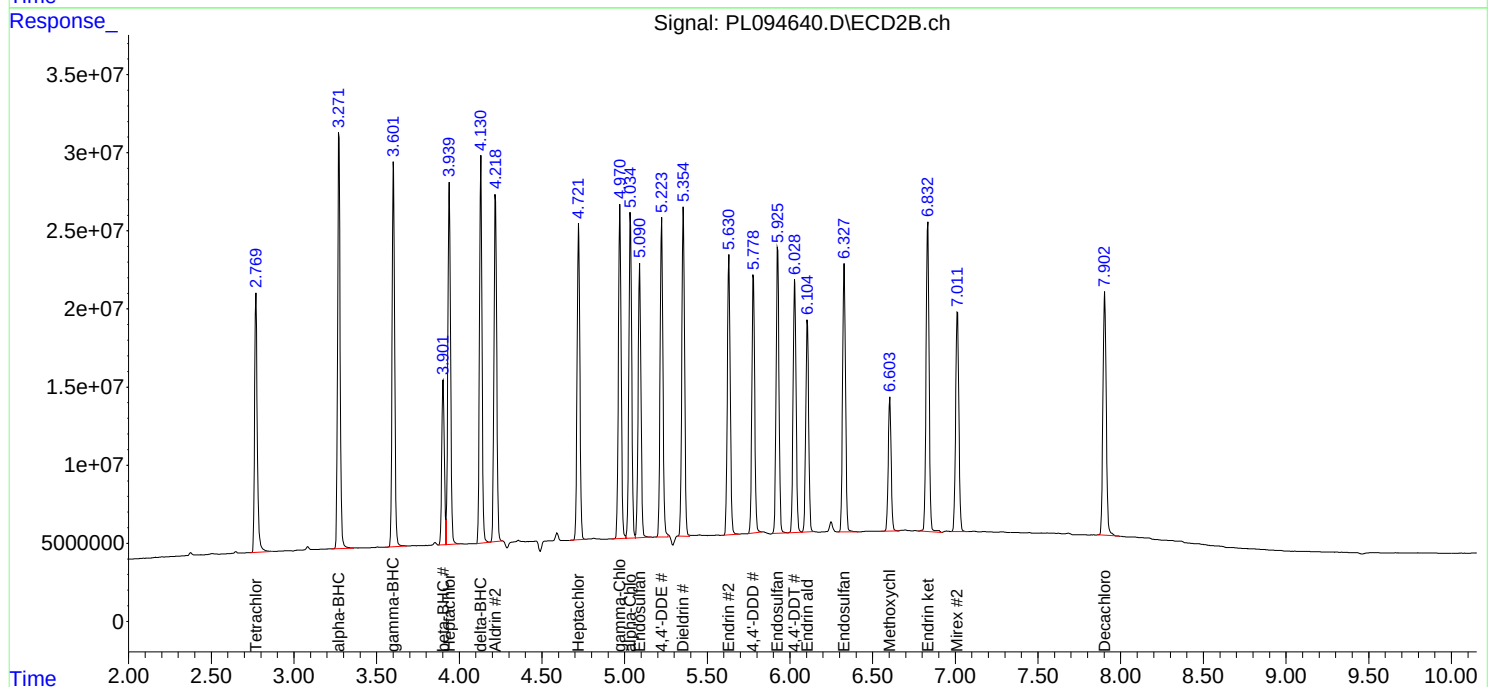
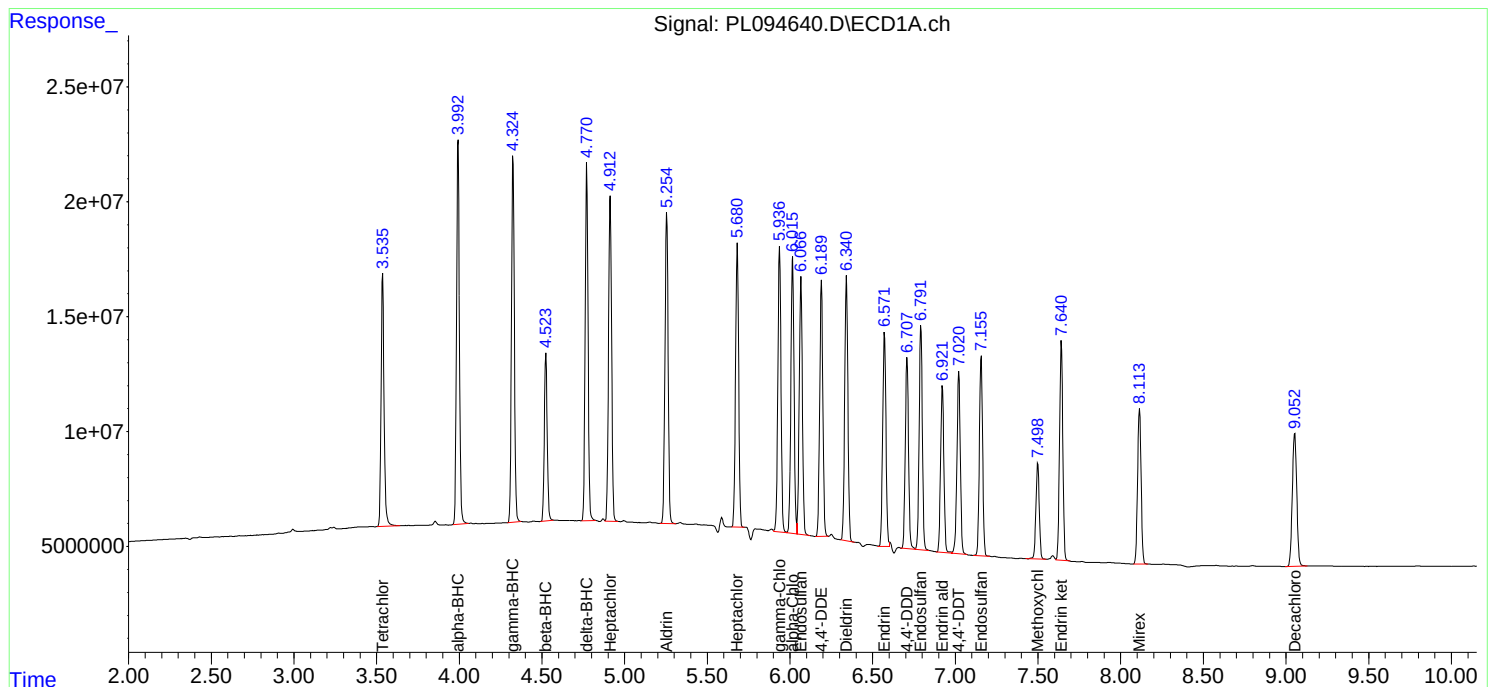
APPROVED

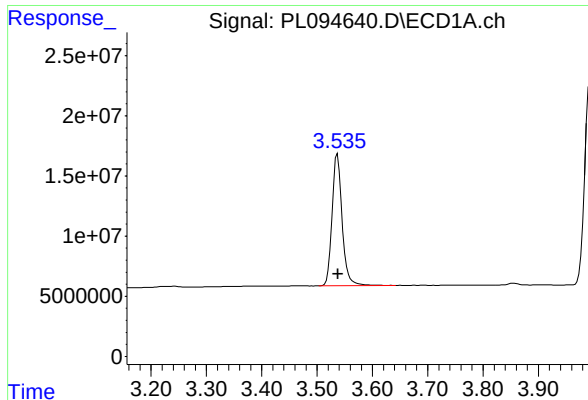
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:34:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





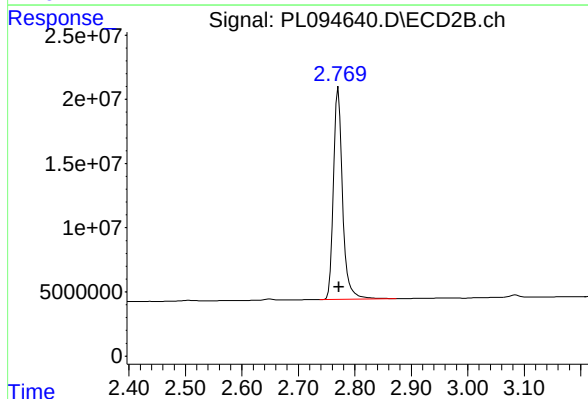
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 138927334
Conc: 49.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

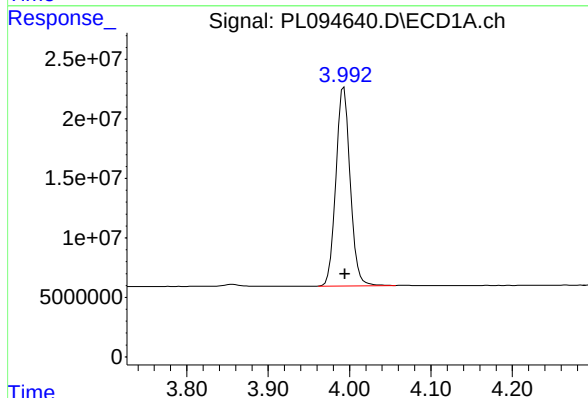
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



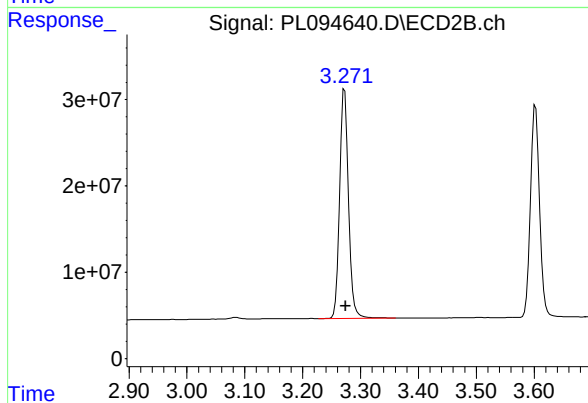
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 184555158
Conc: 51.71 ng/ml



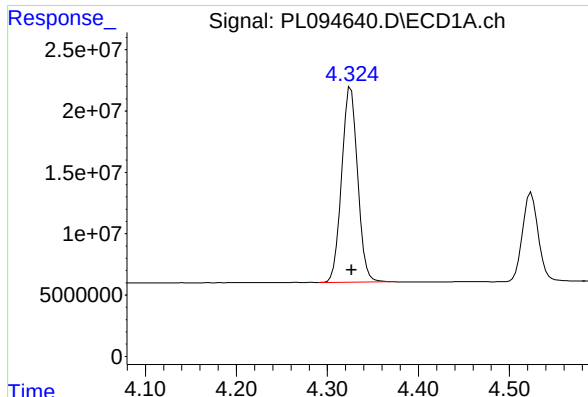
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 203132221
Conc: 48.92 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.002 min
Response: 283796994
Conc: 52.64 ng/ml



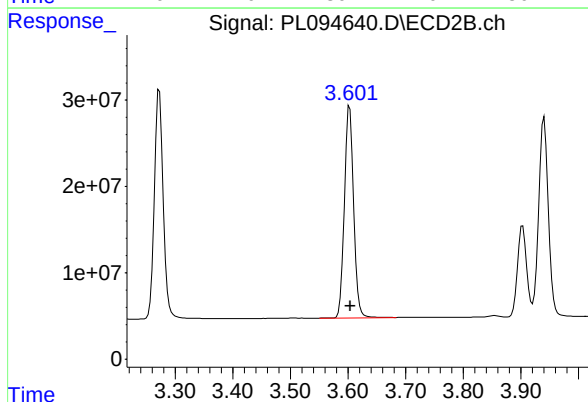
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 194245543
Conc: 48.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

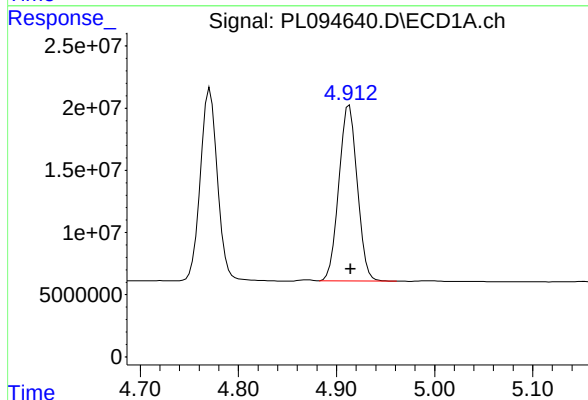
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



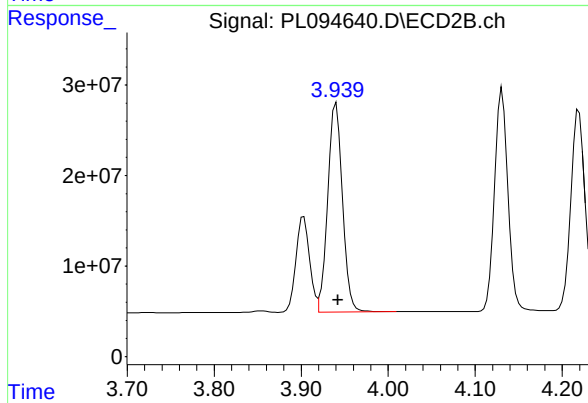
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.002 min
Response: 270042292
Conc: 52.54 ng/ml



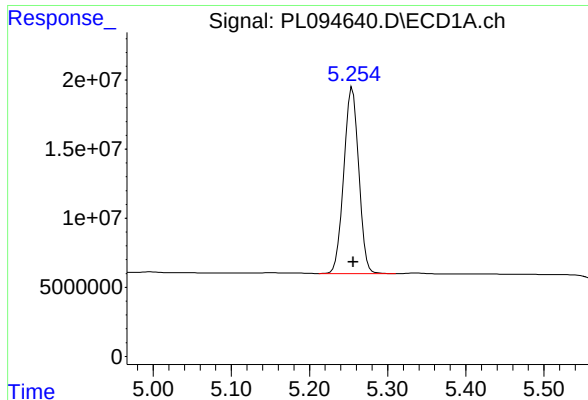
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 184655395
Conc: 47.57 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.002 min
Response: 268415894
Conc: 50.95 ng/ml



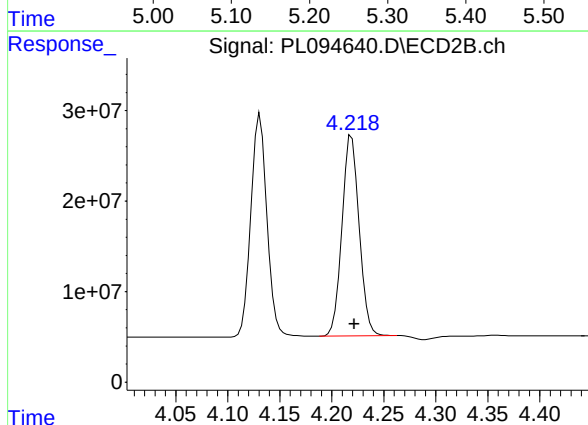
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 178974429
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

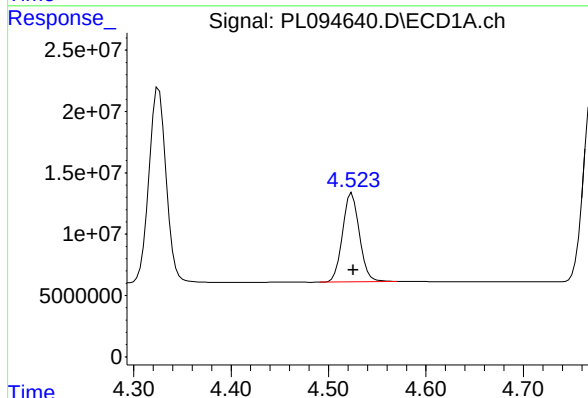
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



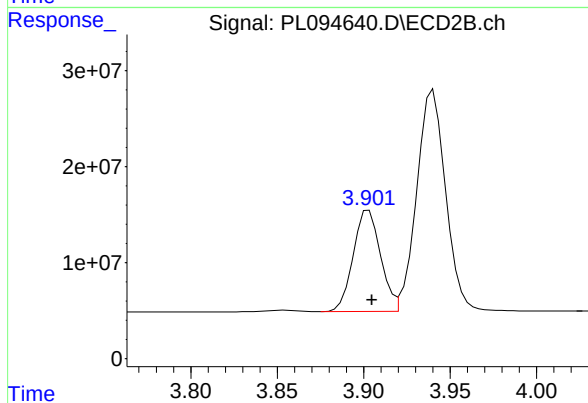
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 255064741
Conc: 52.31 ng/ml



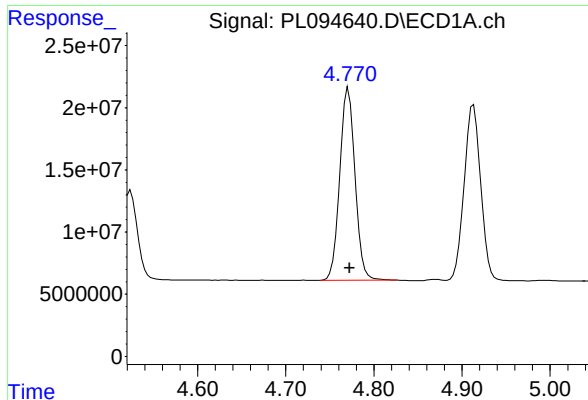
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 87177853
Conc: 47.25 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 116031264
Conc: 52.24 ng/ml



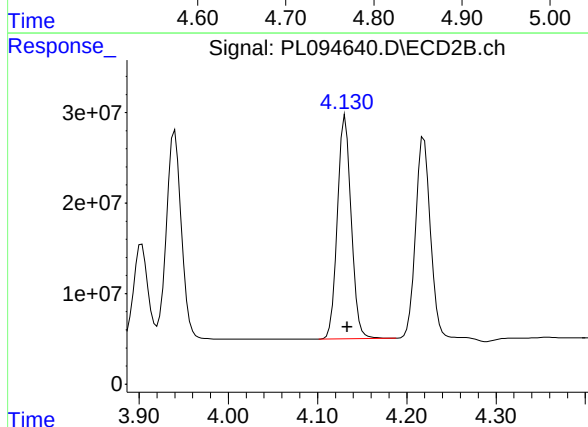
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.002 min
Response: 186541022
Conc: 47.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

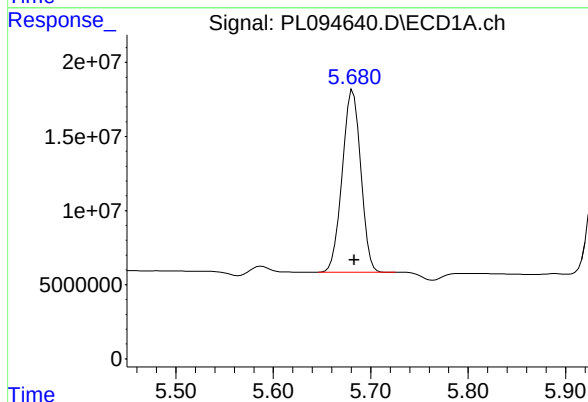
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



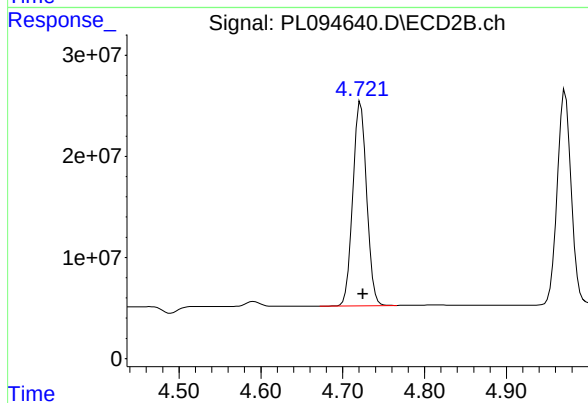
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 265446317
Conc: 53.07 ng/ml



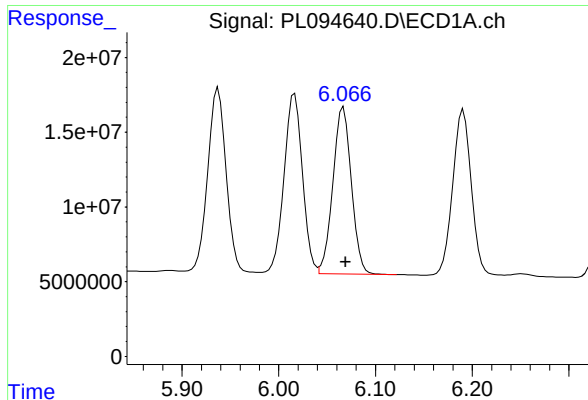
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 162503681
Conc: 48.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.003 min
Response: 237521802
Conc: 51.88 ng/ml



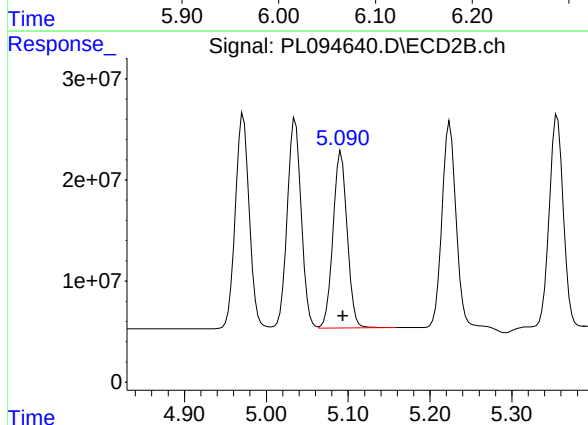
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 148552584
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

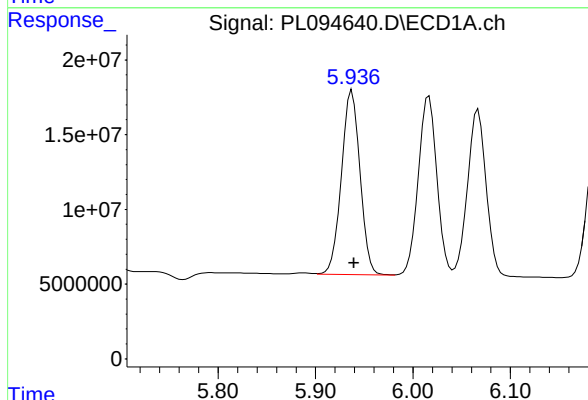
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



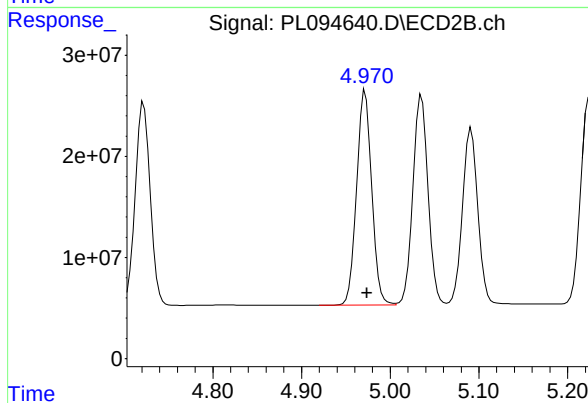
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 210102820
Conc: 47.87 ng/ml



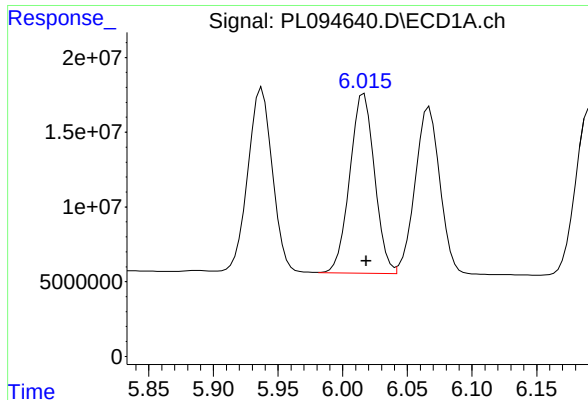
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 163601780
Conc: 48.56 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 251384851
Conc: 52.06 ng/ml



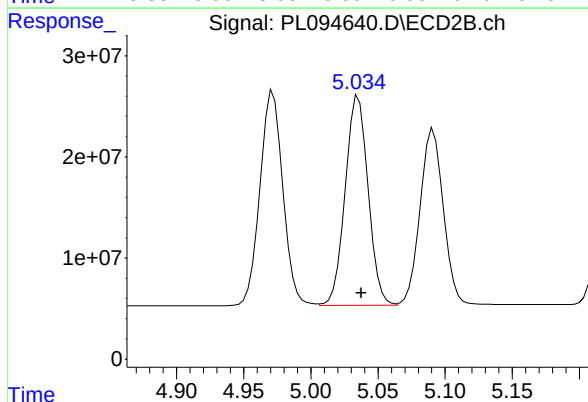
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 159847503
Conc: 48.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

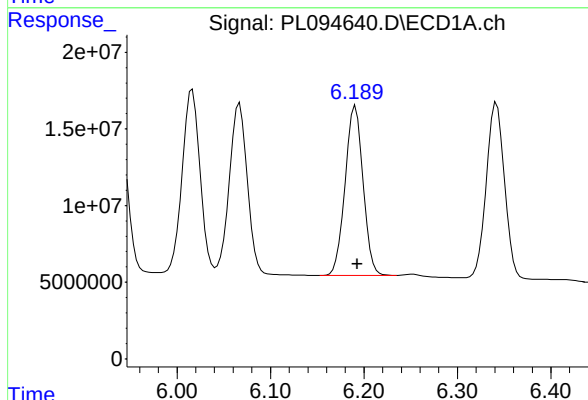
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



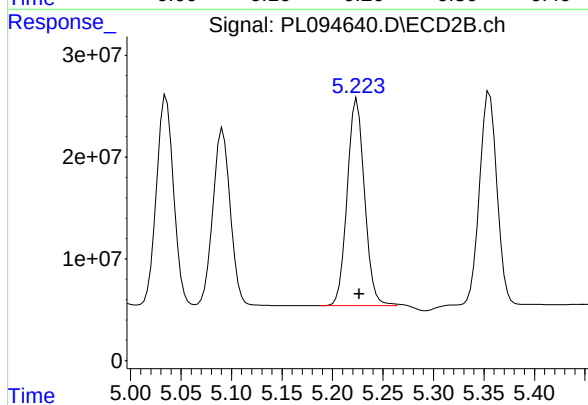
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 246733167
Conc: 51.70 ng/ml



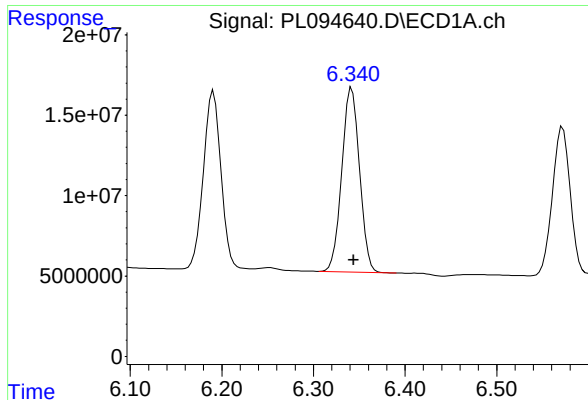
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 147980482
Conc: 50.30 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 243610148
Conc: 52.41 ng/ml m



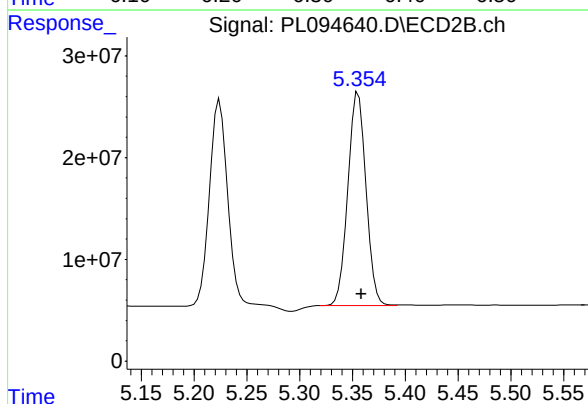
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 154746823
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

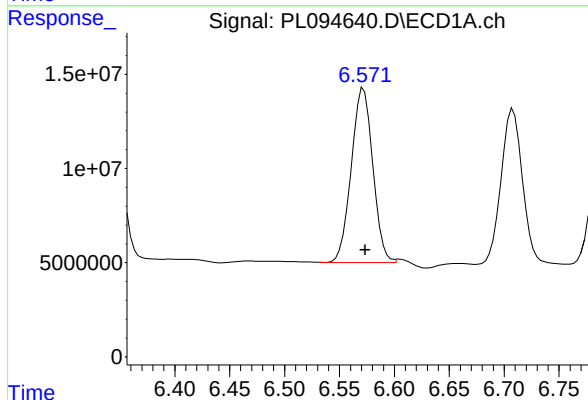
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



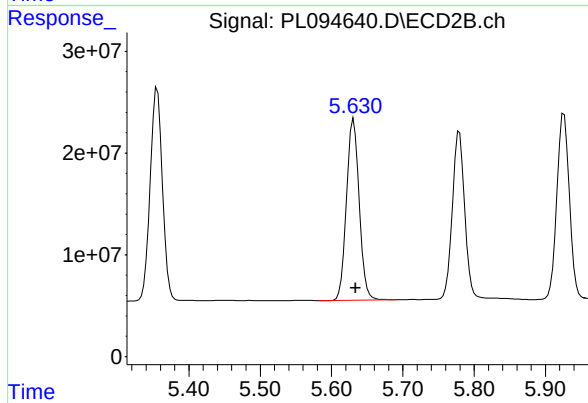
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 250930116
Conc: 51.72 ng/ml



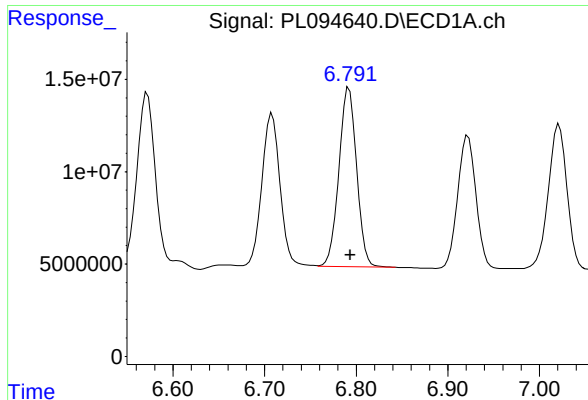
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 126731624
Conc: 45.72 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 220368318
Conc: 50.50 ng/ml



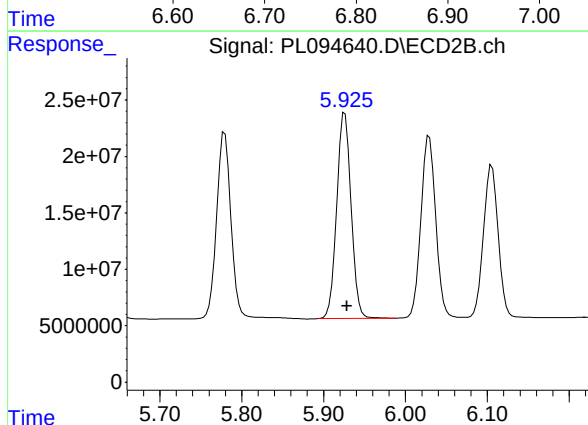
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 130821538
Conc: 48.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

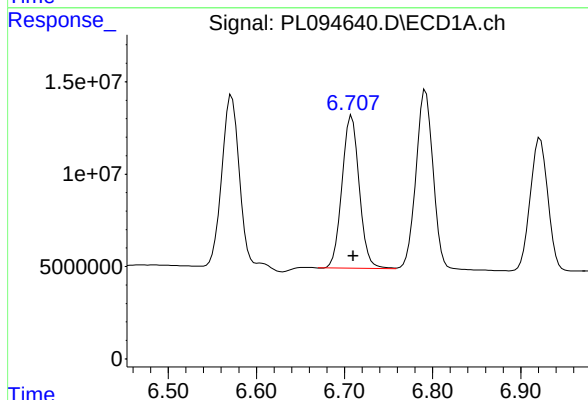
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



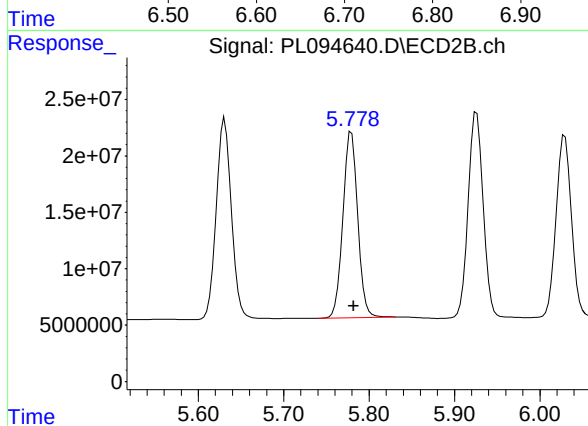
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 223286820
Conc: 51.59 ng/ml



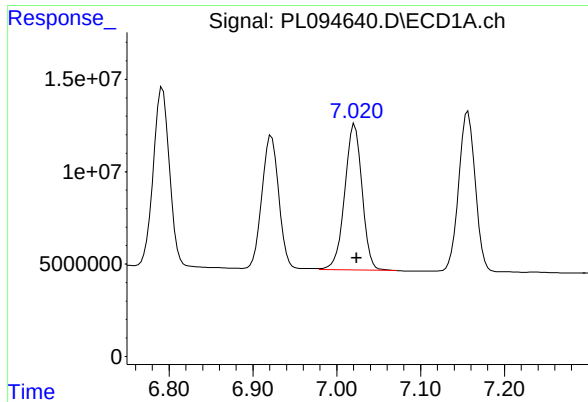
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 112644733
Conc: 52.00 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 197997598
Conc: 55.06 ng/ml



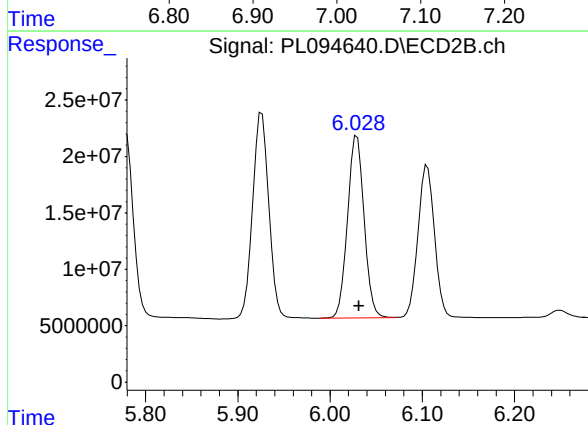
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 113378079
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

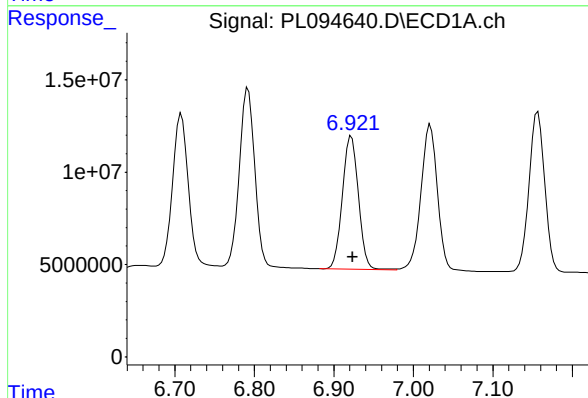
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



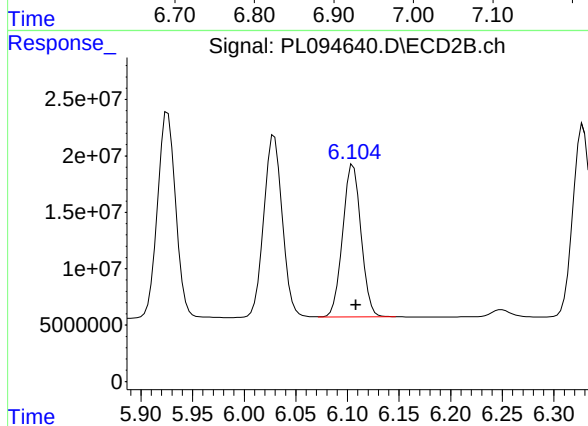
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.002 min
Response: 201541637
Conc: 49.98 ng/ml



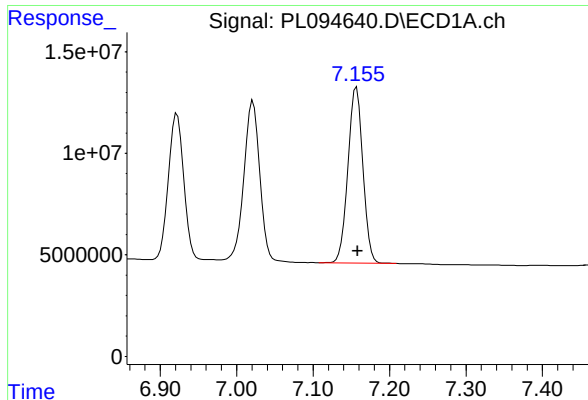
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 101159534
Conc: 47.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 167740594
Conc: 49.84 ng/ml



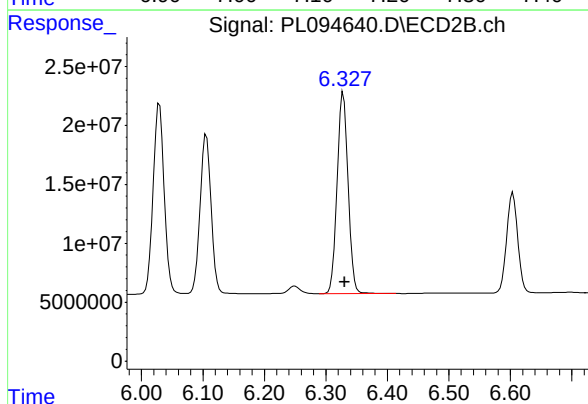
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 118845797
Conc: 48.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

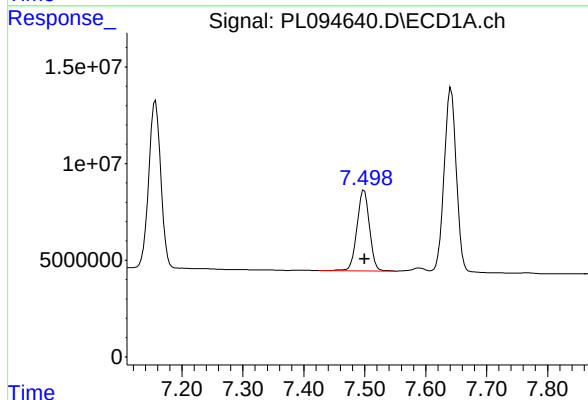
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



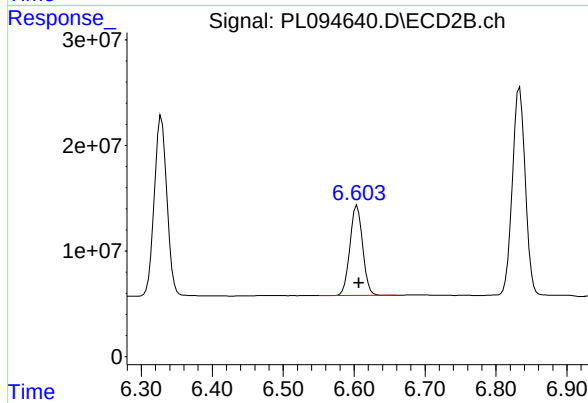
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.002 min
Response: 211677614
Conc: 51.97 ng/ml



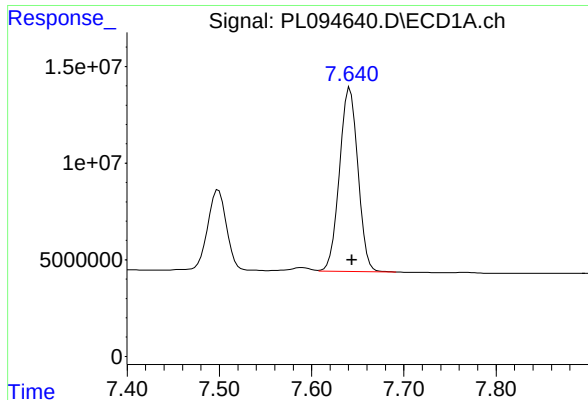
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 59449549
Conc: 49.66 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 106607770
Conc: 50.26 ng/ml



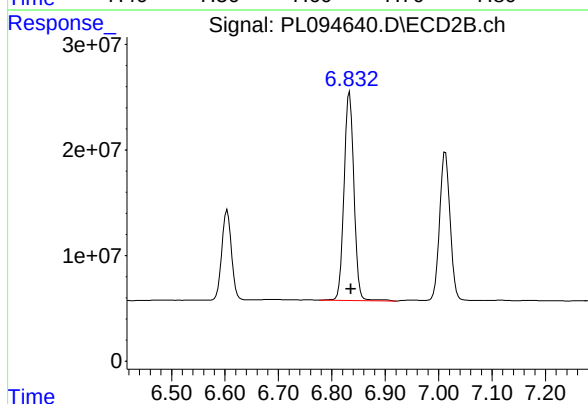
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 131832179
Conc: 49.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

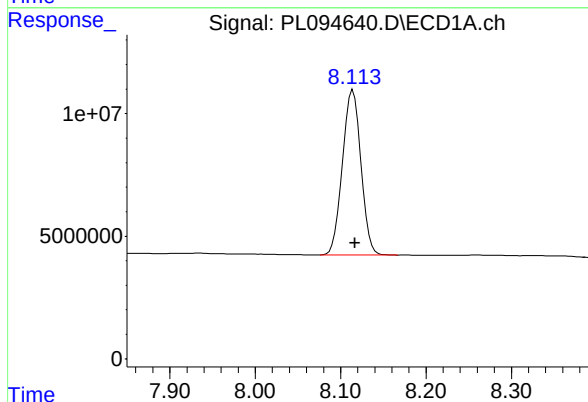
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



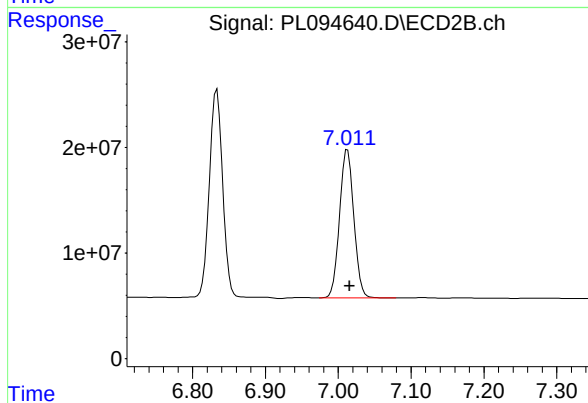
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.002 min
Response: 254227874
Conc: 53.27 ng/ml



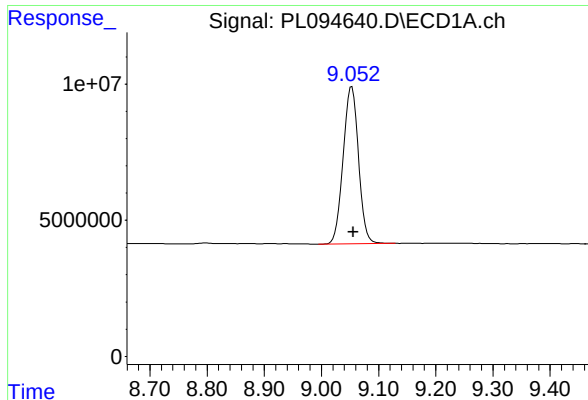
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.002 min
Response: 101267858
Conc: 49.01 ng/ml



#22 Mirex

R.T.: 7.013 min
Delta R.T.: -0.003 min
Response: 191129576
Conc: 50.36 ng/ml



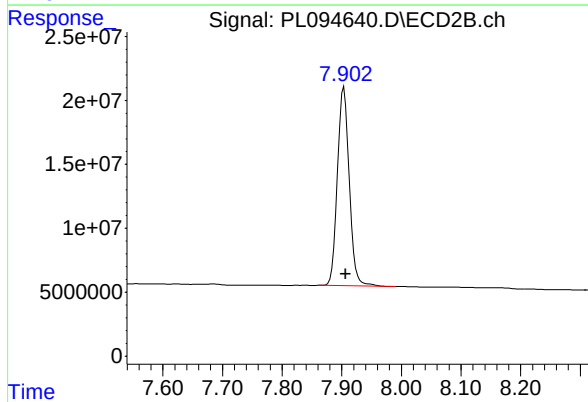
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 108010444
Conc: 51.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 214665498
Conc: 53.14 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No. (PEM): PEM - PL094567.D Date Analyzed: 03/11/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:08

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.052	8.950	9.150	20.540	20.000	2.7
Tetrachloro-m-xylene	3.536	3.490	3.590	19.600	20.000	-2.0
alpha-BHC	3.992	3.940	4.040	10.230	10.000	2.3
beta-BHC	4.524	4.470	4.570	10.180	10.000	1.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.310	10.000	3.1
Endrin	6.572	6.500	6.640	43.430	50.000	-13.1
4,4'-DDT	7.021	6.950	7.090	87.030	100.000	-13.0
Methoxychlor	7.498	7.430	7.570	214.630	250.000	-14.1

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

Client Sample No. (PEM): PEM - PL094567.D Date Analyzed: 03/11/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:08

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.905	7.800	8.010	19.590	20.000	-2.1
Tetrachloro-m-xylene	2.771	2.720	2.820	19.320	20.000	-3.4
alpha-BHC	3.273	3.220	3.320	9.150	10.000	-8.5
beta-BHC	3.903	3.850	3.950	10.130	10.000	1.3
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	44.410	50.000	-11.2
4,4'-DDT	6.030	5.960	6.100	97.400	100.000	-2.6
Methoxychlor	6.605	6.530	6.680	224.380	250.000	-10.2

Data File: PEM
 PL094567.D Date Acquired 3/11/2025 10:08
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	120398593.5	128928778	8530184.47	Down 6.62
Endrin aldehyde	6.92	2907361.253			
Endrin ketone	7.64	5622823.215			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	193799545.9	209359013.2	15559467.3	7.43
Endrin aldehyde #2	6.11	6474395.287			
Endrin ketone #2	6.83	9085072.003			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	207005383.7	208269384.3	1264000.53	0.61
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1264000.531			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	392738009.3	396959833.5	4221824.19	1.06
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	4221824.188			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:34:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.771	55468340	68955312	19.595	19.319
2) SA Decachlor...	9.052	7.905	43281377	79131399	20.537	19.590
Target Compounds						
2) A alpha-BHC	3.992	3.273	42494047	49328954	10.234	9.150
3) MA gamma-BHC...	4.325	3.603	41158643	47101013	10.315	9.165
6) B beta-BHC	4.524	3.903	18789587	22504052	10.183	10.131
14) MA Endrin	6.572	5.632	120.4E6	193.8E6	43.433	44.412
16) A 4,4'-DDD	6.709	5.779	1264001	4221824	0.584m	1.174m#
17) MA 4,4'-DDT	7.021	6.030	207.0E6	392.7E6	87.030	97.403
18) B Endrin al...	6.919	6.106	2907361	6474395	1.377m	1.924 #
20) A Methoxychlor	7.498	6.605	256.9E6	475.9E6	214.629	224.378
21) B Endrin ke...	7.639	6.832	5622823	9085072	2.127m	1.904m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

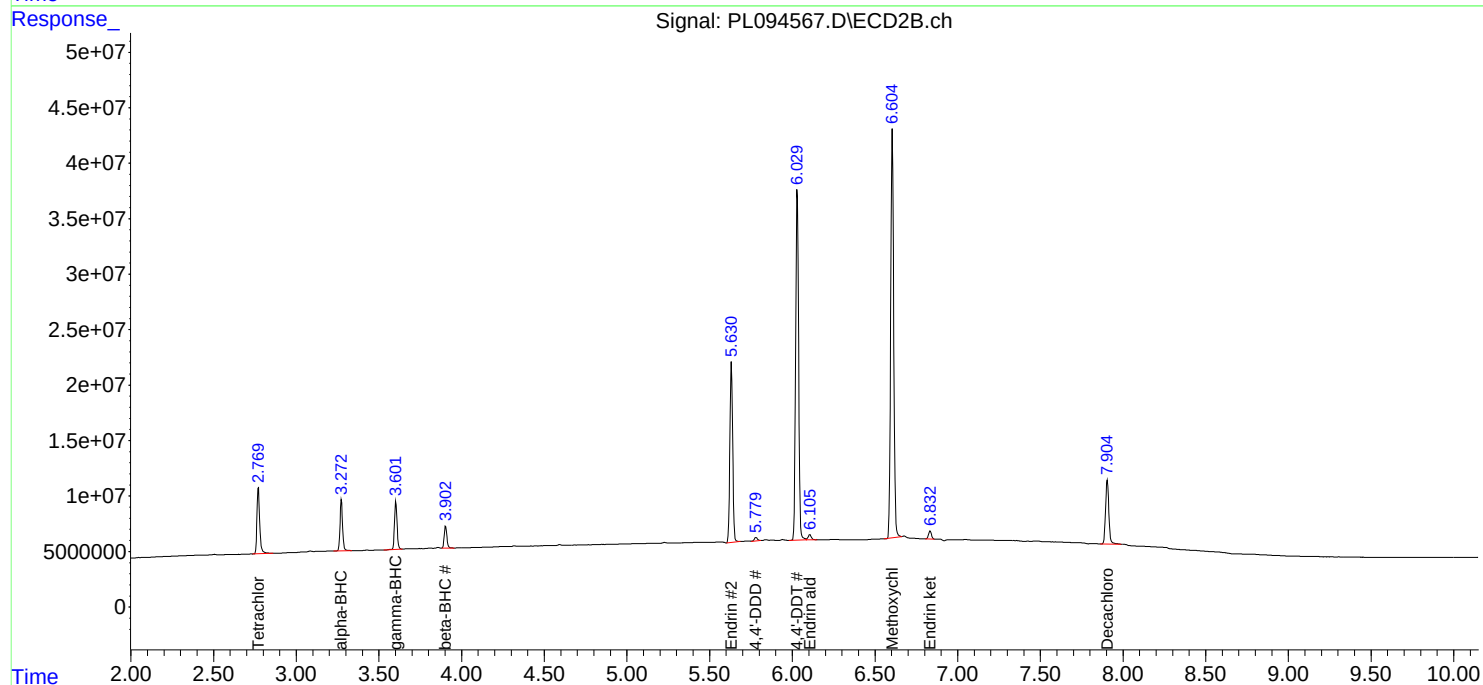
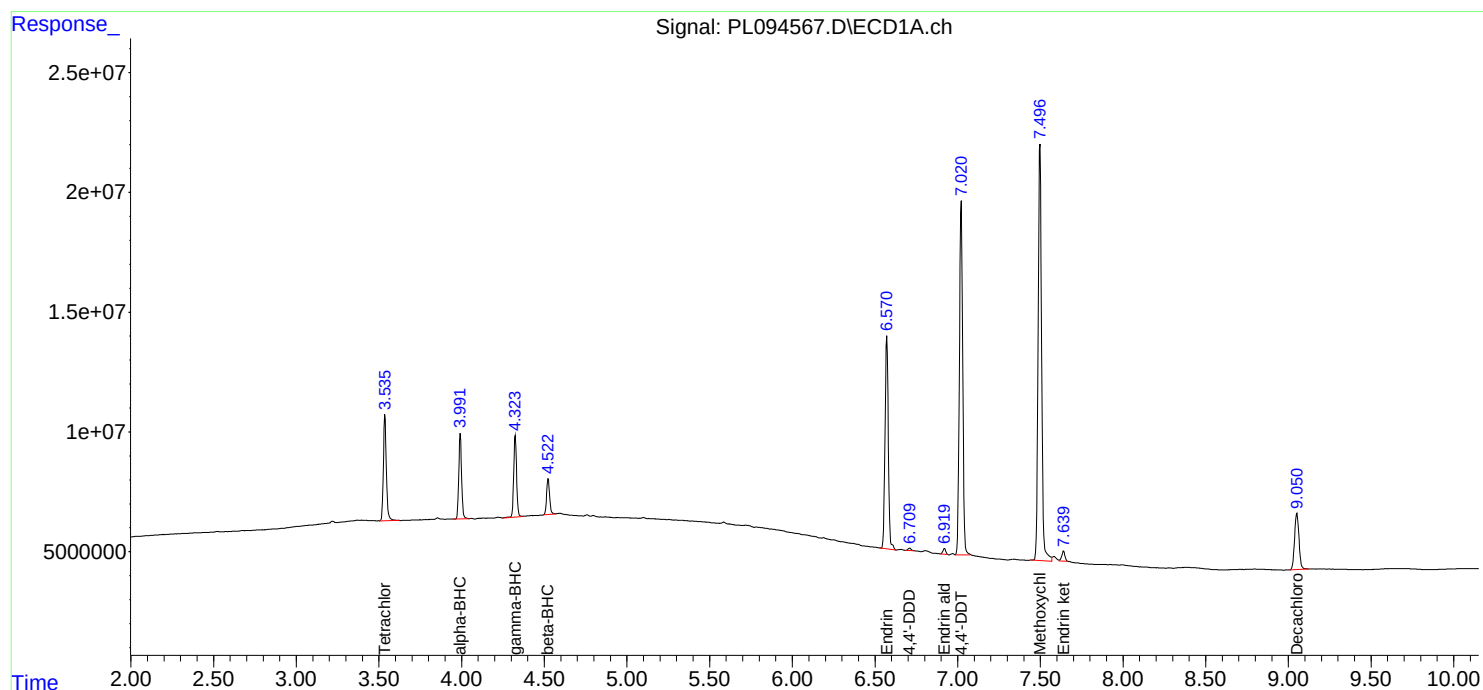
Instrument :
ECD_L
ClientSampleId :
PEM

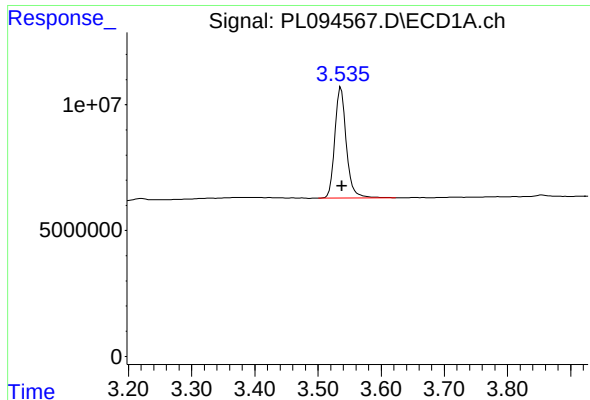
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:34:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





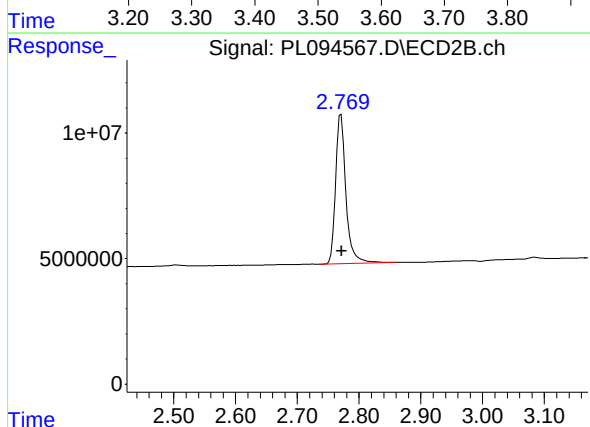
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

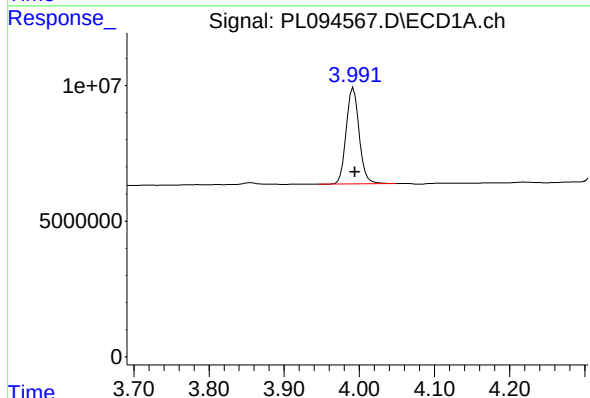
Manual Integrations
APPROVED

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



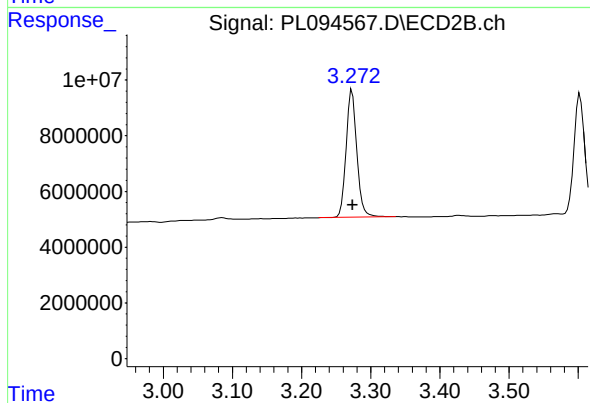
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 68955312
Conc: 19.32 ng/ml



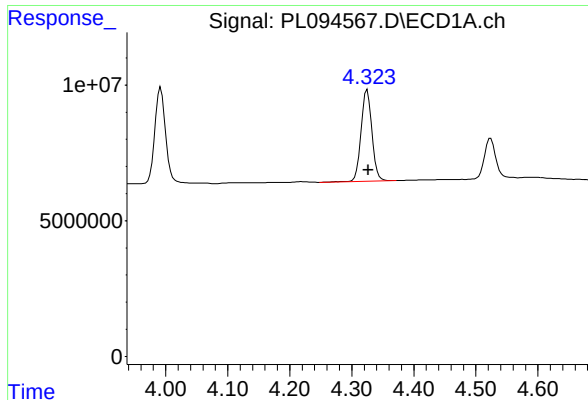
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 42494047
Conc: 10.23 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 49328954
Conc: 9.15 ng/ml



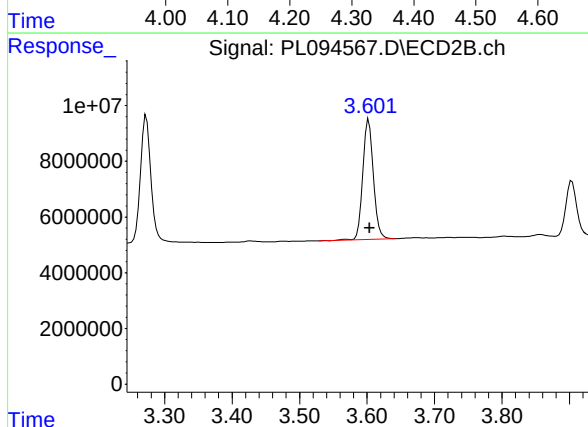
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

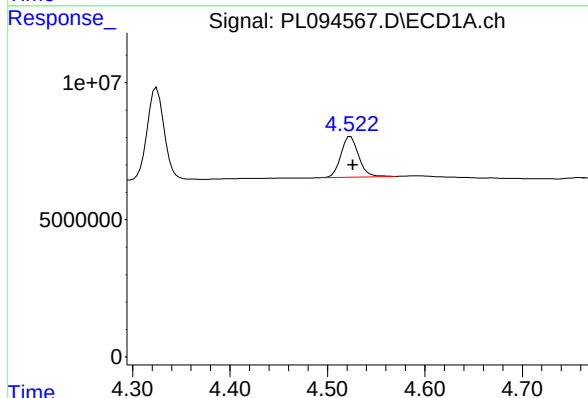
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



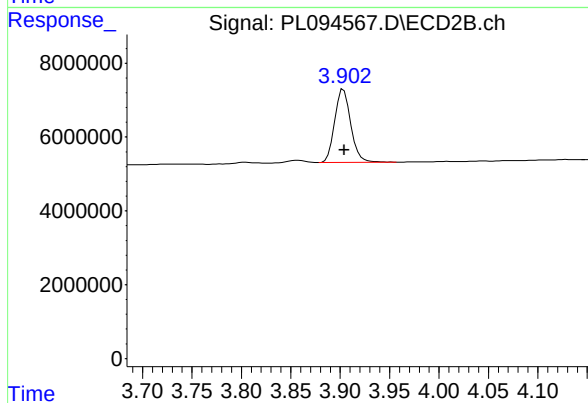
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 47101013
Conc: 9.16 ng/ml



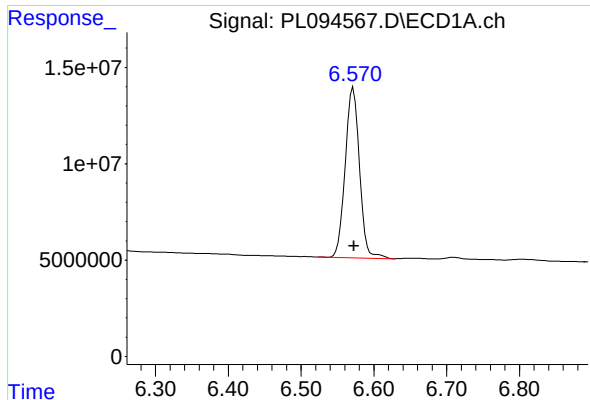
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 18789587
Conc: 10.18 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 22504052
Conc: 10.13 ng/ml



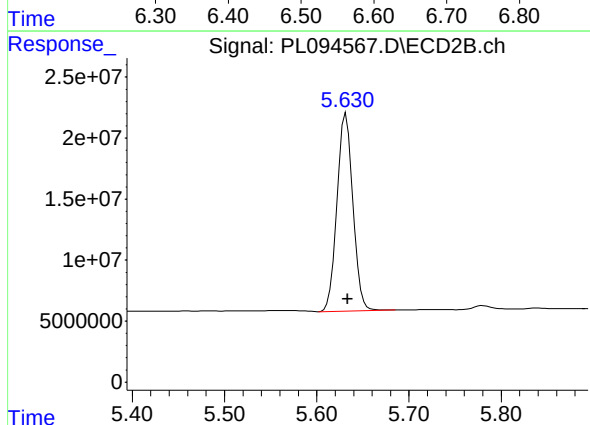
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

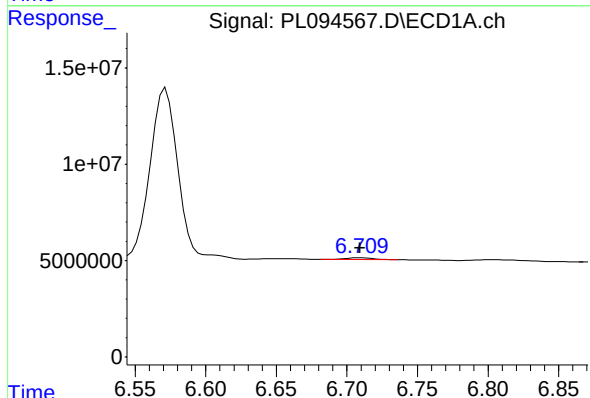
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



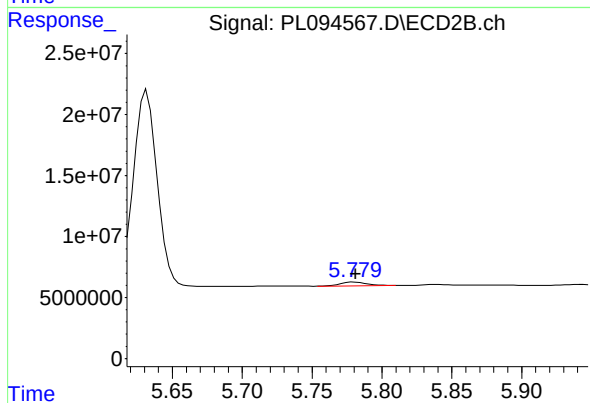
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 193799546
Conc: 44.41 ng/ml



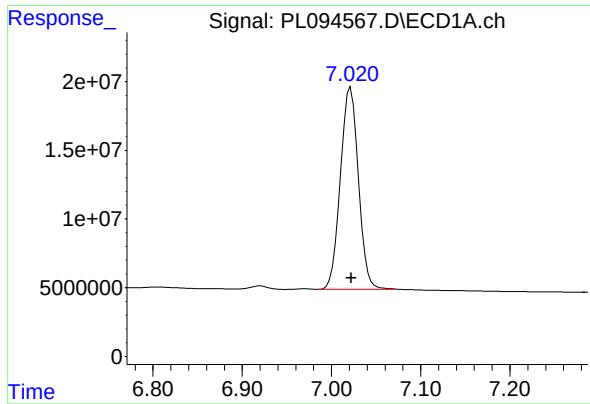
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 1264001
Conc: 0.58 ng/ml m



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 4221824
Conc: 1.17 ng/ml m



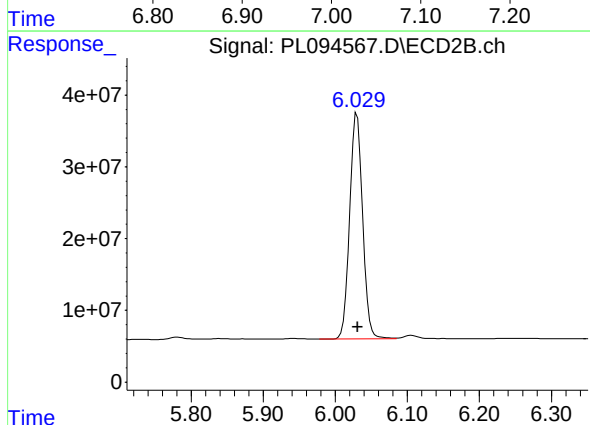
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 207005384
Conc: 87.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

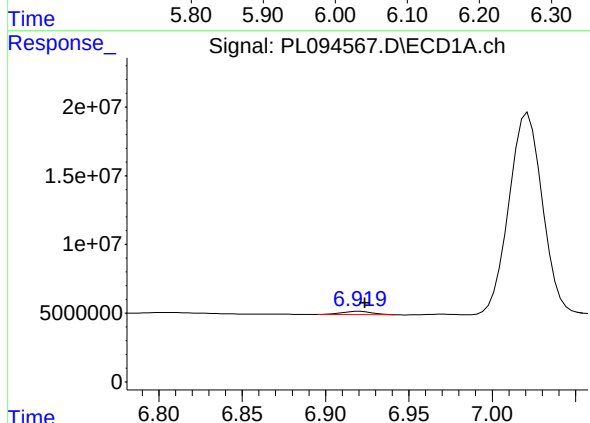
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



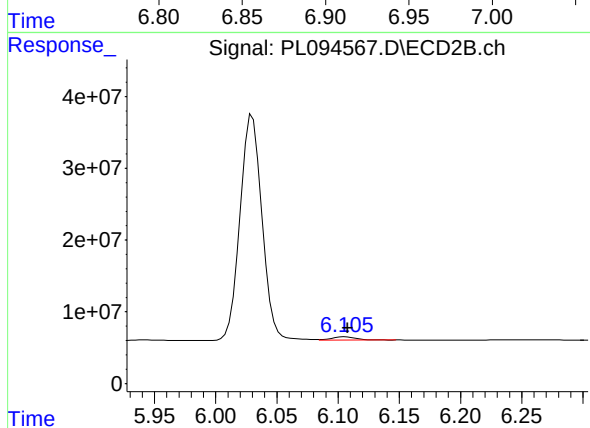
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



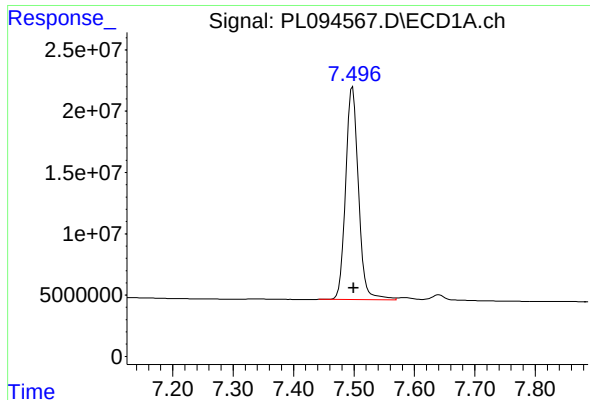
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: -0.005 min
Response: 2907361
Conc: 1.38 ng/ml m



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 6474395
Conc: 1.92 ng/ml



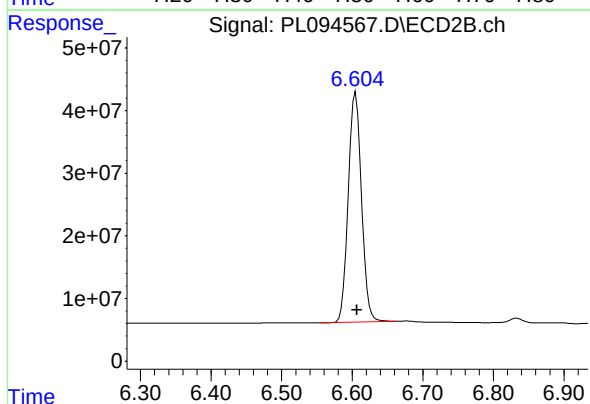
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 256926285
Conc: 214.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

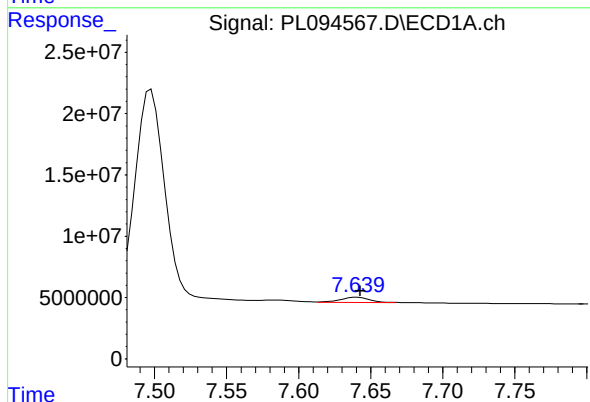
Manual Integrations
APPROVED

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



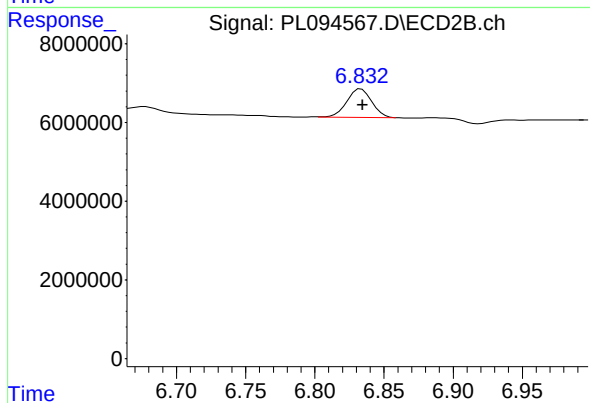
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



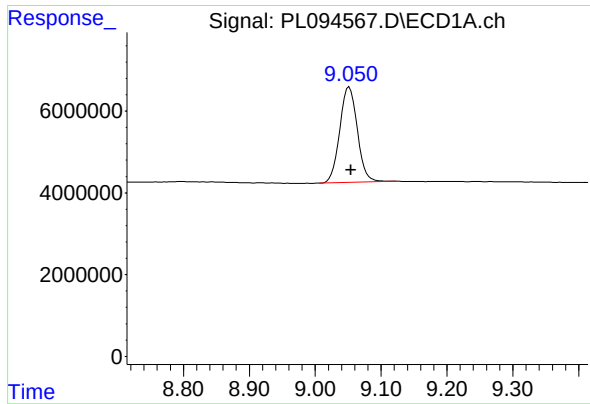
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 5622823
Conc: 2.13 ng/ml m



#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 9085072
Conc: 1.90 ng/ml m



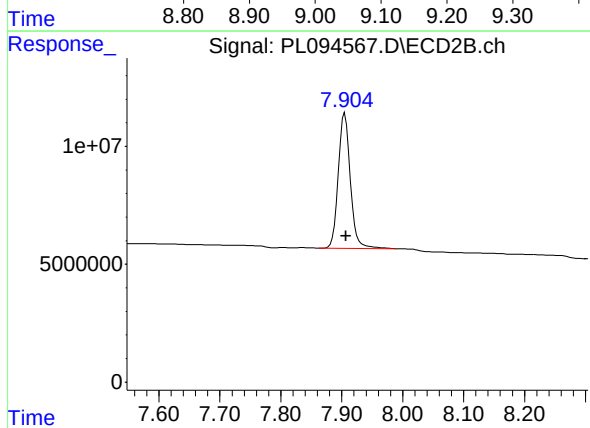
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 43281377
Conc: 20.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 79131399
Conc: 19.59 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No. (PEM): PEM - PL094588.D Date Analyzed: 03/11/2025

Lab Sample No.(PEM): PEM Time Analyzed: 17:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.057	8.960	9.160	22.330	20.000	11.7
Tetrachloro-m-xylene	3.538	3.490	3.590	21.130	20.000	5.7
alpha-BHC	3.994	3.940	4.040	11.200	10.000	12.0
beta-BHC	4.526	4.480	4.580	10.990	10.000	9.9
gamma-BHC (Lindane)	4.326	4.280	4.380	10.900	10.000	9.0
Endrin	6.574	6.500	6.640	44.750	50.000	-10.5
4,4'-DDT	7.026	6.960	7.100	93.110	100.000	-6.9
Methoxychlor	7.502	7.430	7.570	230.340	250.000	-7.9

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

Client Sample No. (PEM): PEM - PL094588.D Date Analyzed: 03/11/2025

Lab Sample No.(PEM): PEM Time Analyzed: 17:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.907	7.810	8.010	21.630	20.000	8.2
Tetrachloro-m-xylene	2.771	2.720	2.820	20.390	20.000	2.0
alpha-BHC	3.273	3.220	3.320	9.810	10.000	-1.9
beta-BHC	3.904	3.850	3.950	10.700	10.000	7.0
gamma-BHC (Lindane)	3.603	3.550	3.650	9.810	10.000	-1.9
Endrin	5.633	5.560	5.700	46.740	50.000	-6.5
4,4'-DDT	6.031	5.960	6.100	105.390	100.000	5.4
Methoxychlor	6.605	6.530	6.680	242.280	250.000	-3.1

Data File: PEM
 PL094588.D Date Acquired 3/11/2025 17:30
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	124054911.2	135560953.8	11506042.6	8.49
Endrin aldehyde	6.92	3932748.455			
Endrin ketone	7.64	7573294.146			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	203951015.1	224233986.5	20282971.3	9.05
Endrin aldehyde #2	6.11	7992631.814			
Endrin ketone #2	6.84	12290339.52			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	221475622.6	225548034.5	4072411.94	1.81
4,4'-DDE	6.19	504343.199			
4,4'-DDD	6.71	3568068.739			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	424927147	431119464.7	6192317.69	1.44
4,4'-DDE #2	5.23	829425.464			
4,4'-DDD #2	5.78	5362892.223			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 17:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 02:03:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.771	59805227	72778857	21.128	20.390
28)	SA Decachlor...	9.057	7.907	47057078	87364857	22.329	21.628
Target Compounds							
2)	A alpha-BHC	3.994	3.273	46508748	52909902	11.201	9.814
3)	MA gamma-BHC...	4.326	3.603	43476809	50408757	10.896m	9.808
6)	B beta-BHC	4.526	3.904	20279199	23772448	10.990	10.702
12)	B 4,4'-DDE	6.189	5.226	504343	829425	0.171m	0.178m
14)	MA Endrin	6.574	5.633	124.1E6	204.0E6	44.752m	46.739
16)	A 4,4'-DDD	6.710	5.781	3568069	5362892	1.647m	1.491
17)	MA 4,4'-DDT	7.026	6.031	221.5E6	424.9E6	93.114	105.386
18)	B Endrin al...	6.924	6.107	3932748	7992632	1.863m	2.375 #
20)	A Methoxychlor	7.502	6.605	275.7E6	513.9E6	230.336	242.279m
21)	B Endrin ke...	7.643	6.836	7573294	12290340	2.865m	2.575

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

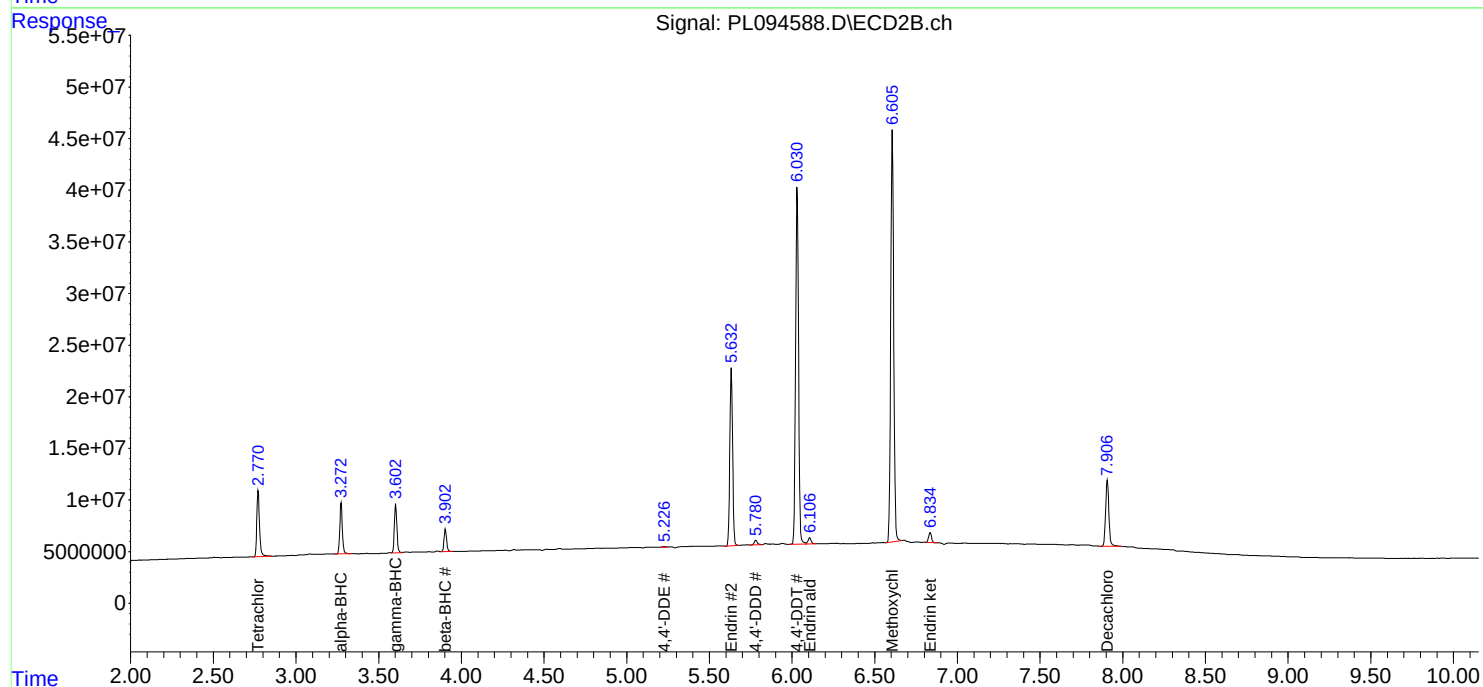
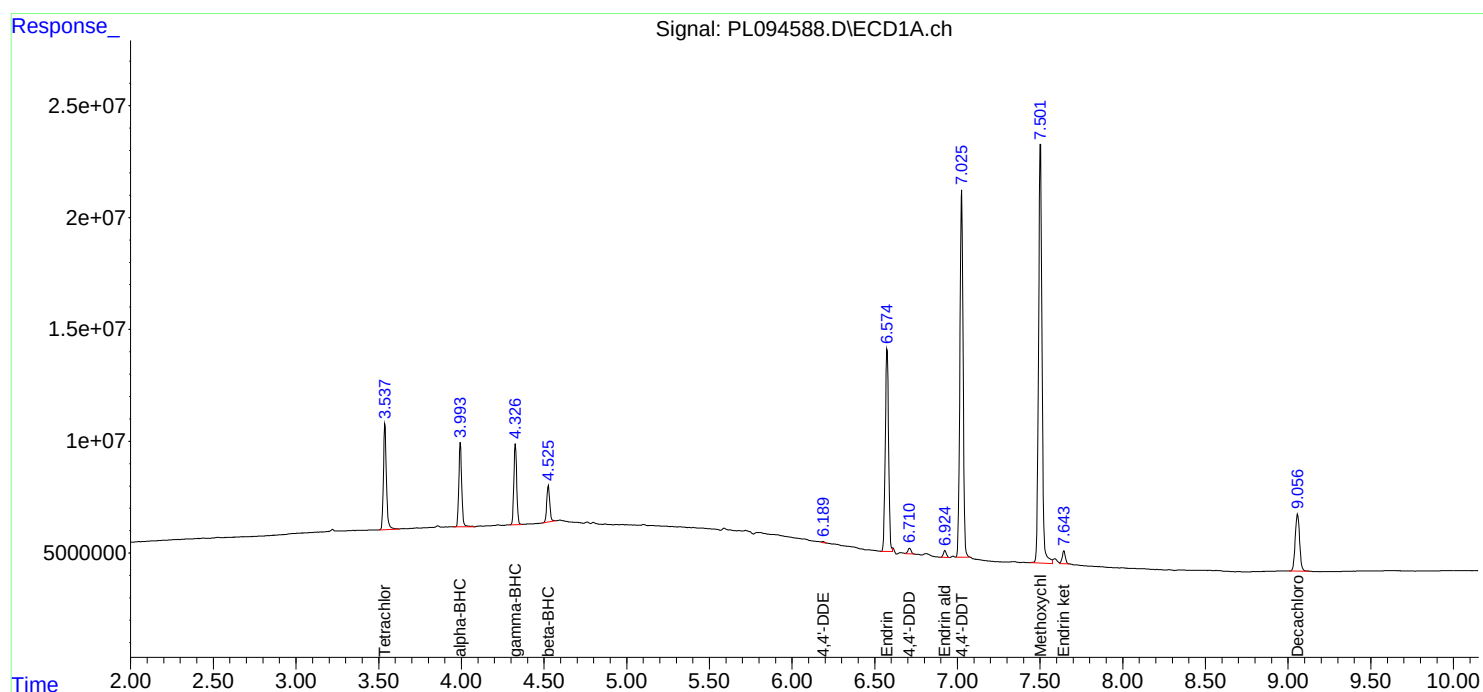
Instrument :
ECD_L
ClientSampleId :
PEM

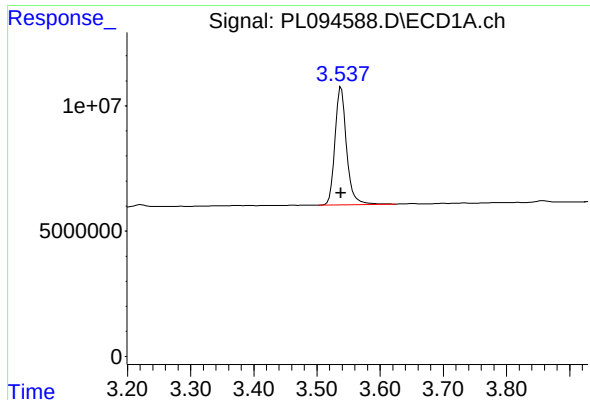
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:03:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





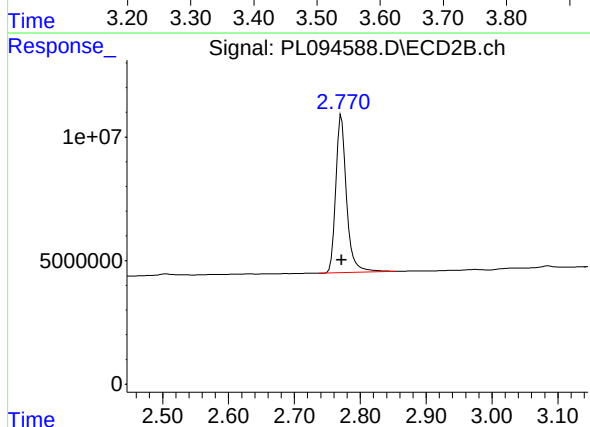
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 59805227
Conc: 21.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

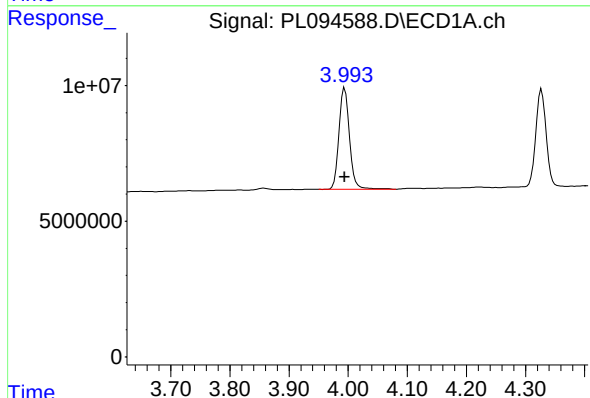
Manual Integrations
APPROVED

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



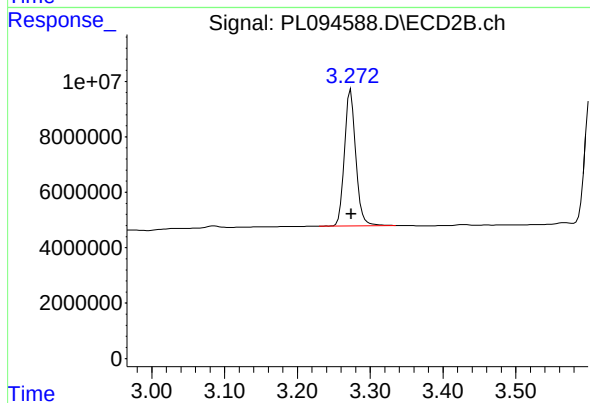
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72778857
Conc: 20.39 ng/ml



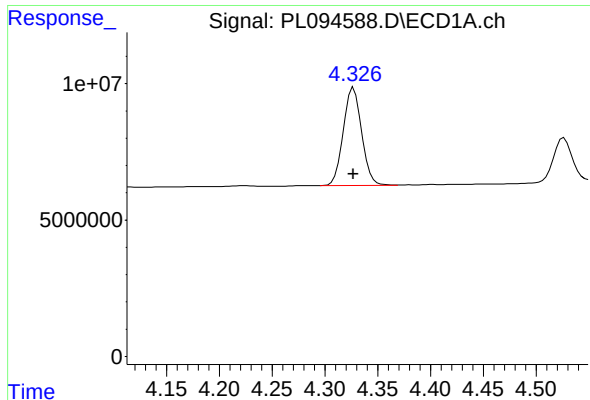
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 46508748
Conc: 11.20 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.001 min
Response: 52909902
Conc: 9.81 ng/ml



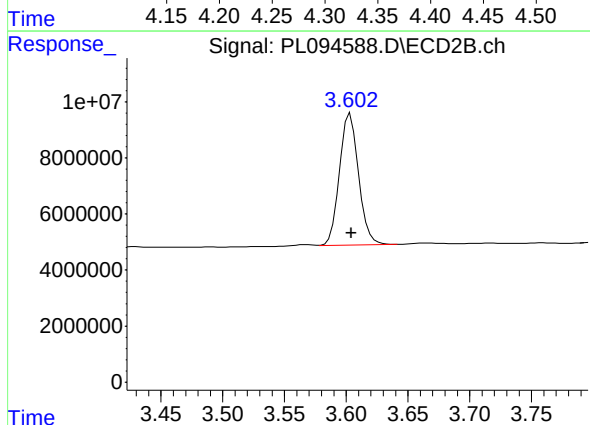
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 43476809
Conc: 10.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

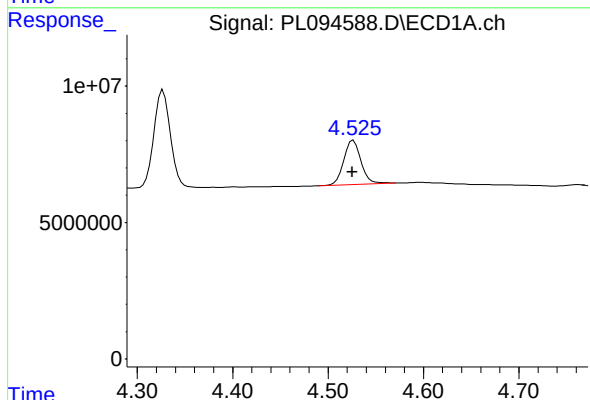
Manual Integrations
APPROVED

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



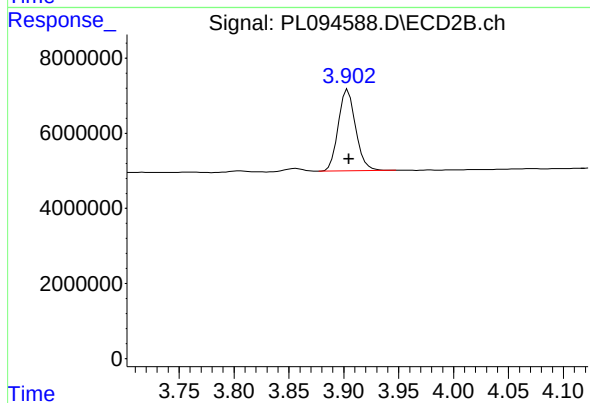
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 50408757
Conc: 9.81 ng/ml



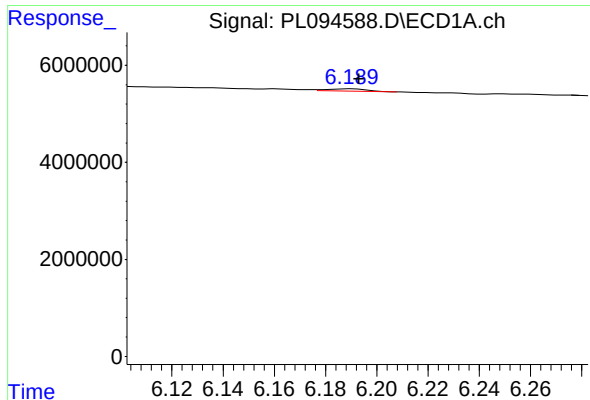
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 20279199
Conc: 10.99 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.001 min
Response: 23772448
Conc: 10.70 ng/ml



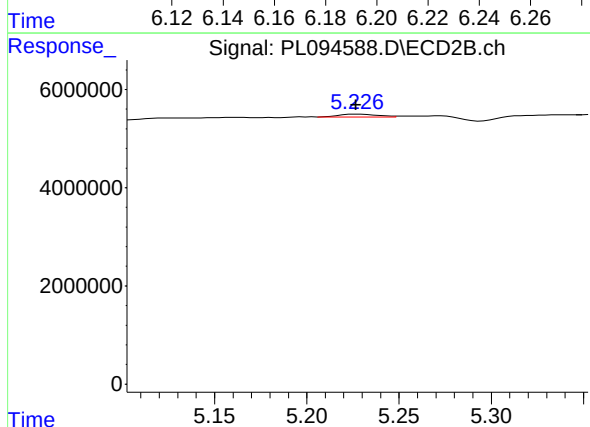
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 504343
Conc: 0.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

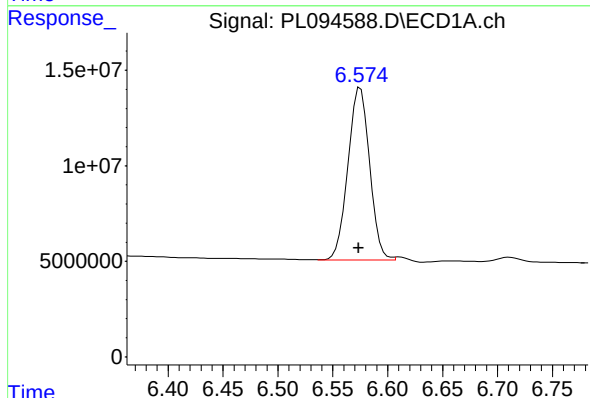
Manual Integrations
APPROVED

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



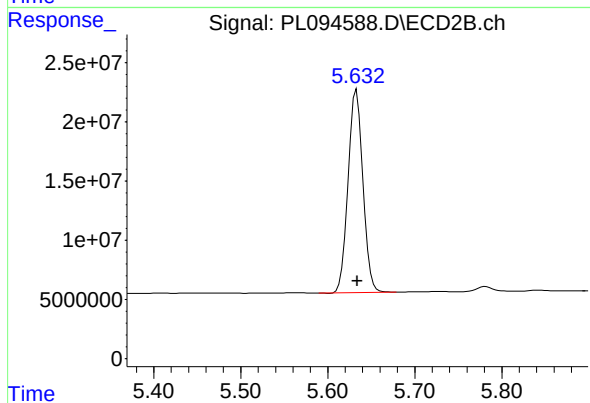
#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 829425
Conc: 0.18 ng/ml



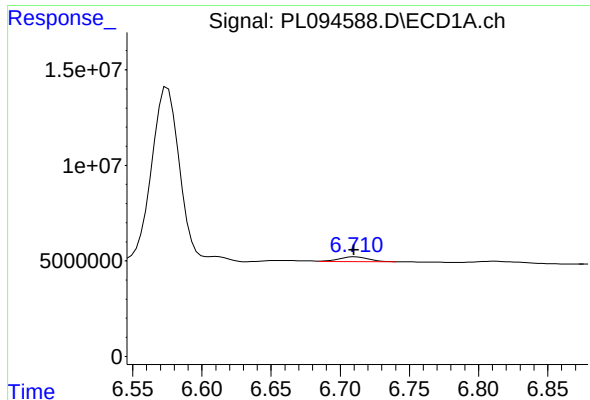
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 124054911
Conc: 44.75 ng/ml



#14 Endrin

R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 203951015
Conc: 46.74 ng/ml



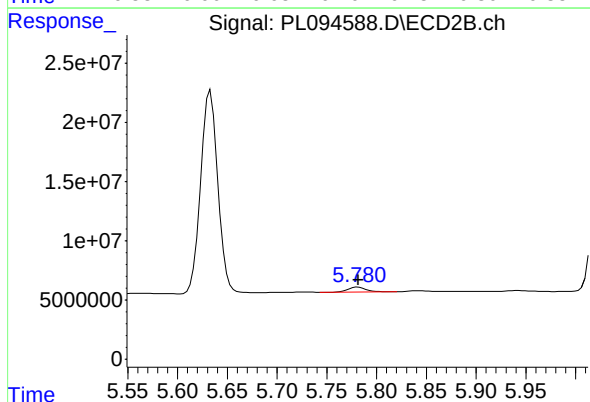
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 3568069
Conc: 1.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

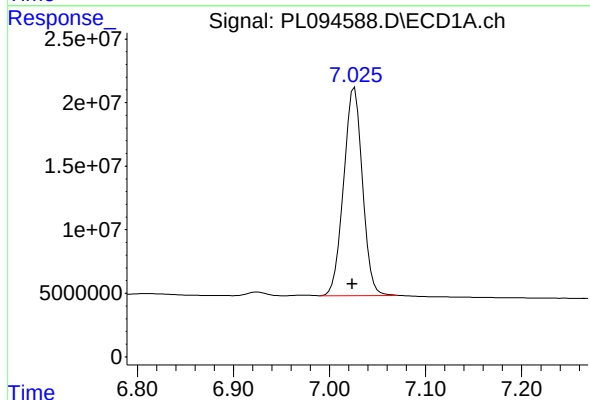
Manual Integrations
APPROVED

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



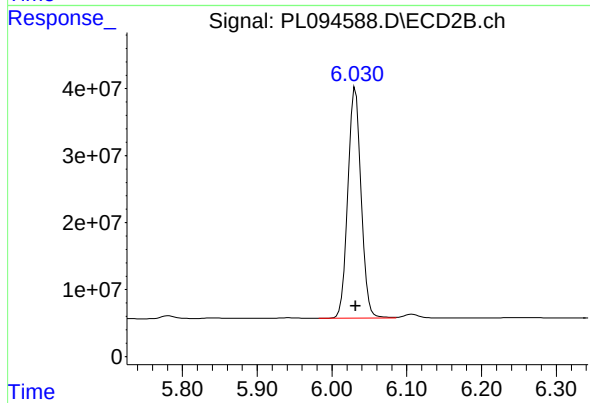
#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 5362892
Conc: 1.49 ng/ml



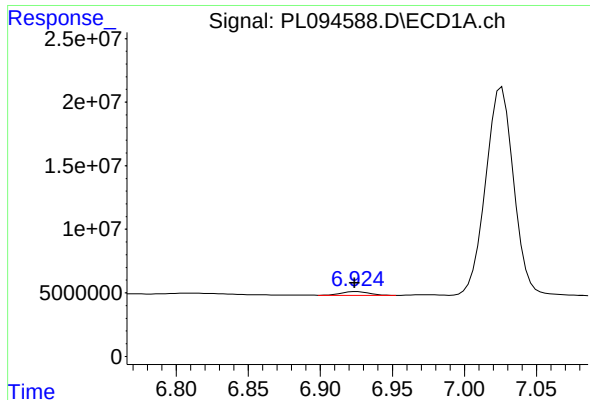
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 221475623
Conc: 93.11 ng/ml



#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 424927147
Conc: 105.39 ng/ml



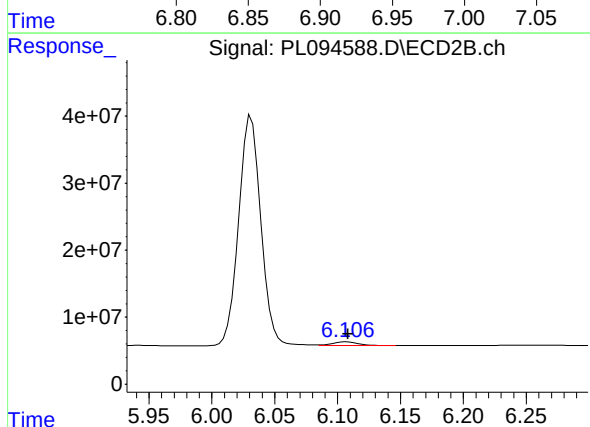
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 3932748
Conc: 1.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

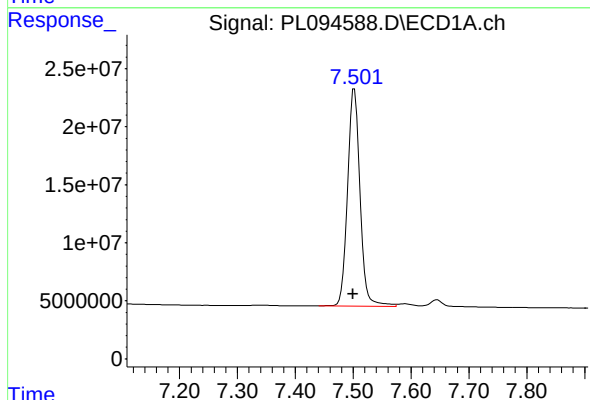
Manual Integrations
APPROVED

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



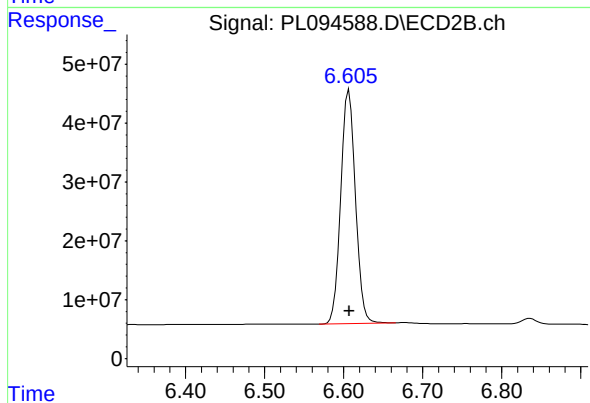
#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 7992632
Conc: 2.37 ng/ml



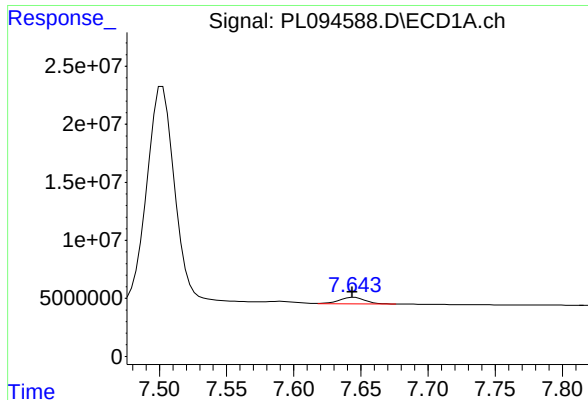
#20 Methoxychlor

R.T.: 7.502 min
Delta R.T.: 0.002 min
Response: 275729280
Conc: 230.34 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 513890909
Conc: 242.28 ng/ml m



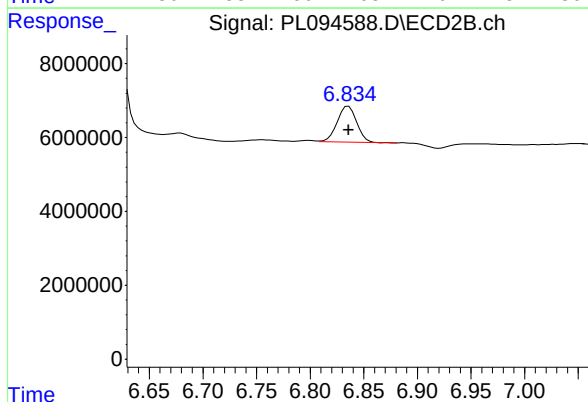
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 7573294
Conc: 2.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

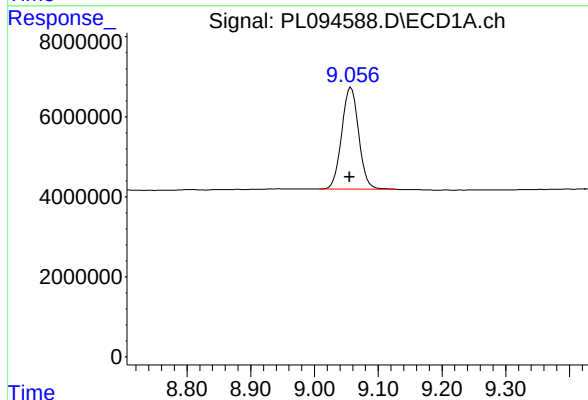
Manual Integrations
APPROVED

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



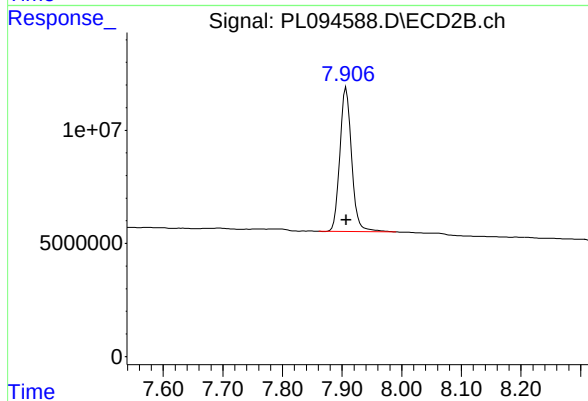
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 12290340
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 47057078
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 87364857
Conc: 21.63 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

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

Client Sample No. (PEM): PEM - PL094621.D Date Analyzed: 03/12/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	22.150	20.000	10.8
Tetrachloro-m-xylene	3.539	3.490	3.590	20.850	20.000	4.3
alpha-BHC	3.994	3.940	4.040	10.750	10.000	7.5
beta-BHC	4.526	4.480	4.580	10.570	10.000	5.7
gamma-BHC (Lindane)	4.327	4.280	4.380	10.700	10.000	7.0
Endrin	6.573	6.500	6.640	41.560	50.000	-16.9
4,4'-DDT	7.025	6.950	7.100	87.210	100.000	-12.8
Methoxychlor	7.500	7.430	7.570	217.020	250.000	-13.2

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

Client Sample No. (PEM): PEM - PL094621.D Date Analyzed: 03/12/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:51

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.906	7.810	8.010	20.130	20.000	0.7
Tetrachloro-m-xylene	2.772	2.720	2.820	20.240	20.000	1.2
alpha-BHC	3.274	3.220	3.320	9.640	10.000	-3.6
beta-BHC	3.904	3.850	3.950	10.800	10.000	8.0
gamma-BHC (Lindane)	3.604	3.550	3.650	9.650	10.000	-3.5
Endrin	5.634	5.560	5.700	44.940	50.000	-10.1
4,4'-DDT	6.032	5.960	6.100	96.750	100.000	-3.3
Methoxychlor	6.606	6.540	6.680	223.560	250.000	-10.6

PEM

Data File Name PL094621.D

Operator AR\AJ

Date Acquired

3/12/2025 8:51

DDT BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	207441755	215249305.8	7807550.824	3.63
4,4'-DDE	7.56	371545.875			
4,4'-DDD	8.14	7436004.949			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	390088753.2	401162099.1	11073345.93	2.76
4,4'-DDE #2	8.49	532568.952			
4,4'-DDD #2	9.03	10540776.97			

ENDRIN BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	6.57	115210093.2	129218571.6	14008478.42	10.84
Endrin aldehyde	6.92	4596390.368			
Endrin ketone	7.64	9412088.056			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	5.63	196080914.6	219111828.1	23030913.49	10.51
Endrin aldehyde #2	6.11	7601617.562			
Endrin ketone #2	6.83	15429295.93			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094621.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 08:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/28/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 13:24:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.772	59033117	72226259	20.855	20.236
28)	SA Decachlor...	9.054	7.906	46675778	81297985	22.148	20.126
Target Compounds							
2)	A alpha-BHC	3.994	3.274	44641285	51967612	10.751	9.639
3)	MA gamma-BHC...	4.327	3.604	42706337	49590037	10.703	9.649
6)	B beta-BHC	4.526	3.904	19509495	23985762	10.573	10.798
12)	B 4,4'-DDE	6.191	5.227	371546	532569	0.126m	0.115m
14)	MA Endrin	6.573	5.634	115.2E6	196.1E6	41.561m	44.935
16)	A 4,4'-DDD	6.709	5.781	7436005	10540777	3.433m	2.931
17)	MA 4,4'-DDT	7.025	6.032	207.4E6	390.1E6	87.214	96.746
18)	B Endrin al...	6.923	6.108	4596390	7601618	2.177m	2.259
20)	A Methoxychlor	7.500	6.606	259.8E6	474.2E6	217.025	223.555
21)	B Endrin ke...	7.643	6.835	9412088	15429296	3.561	3.233

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094621.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 08:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

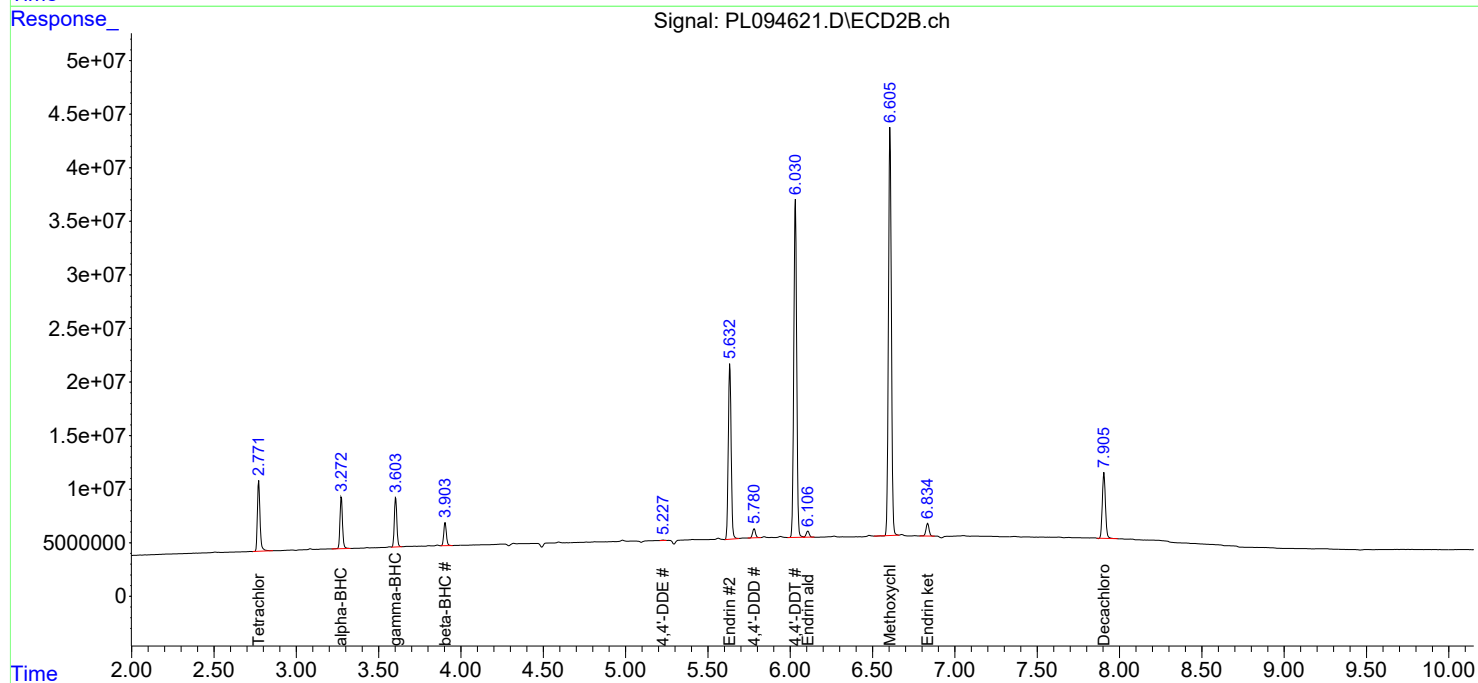
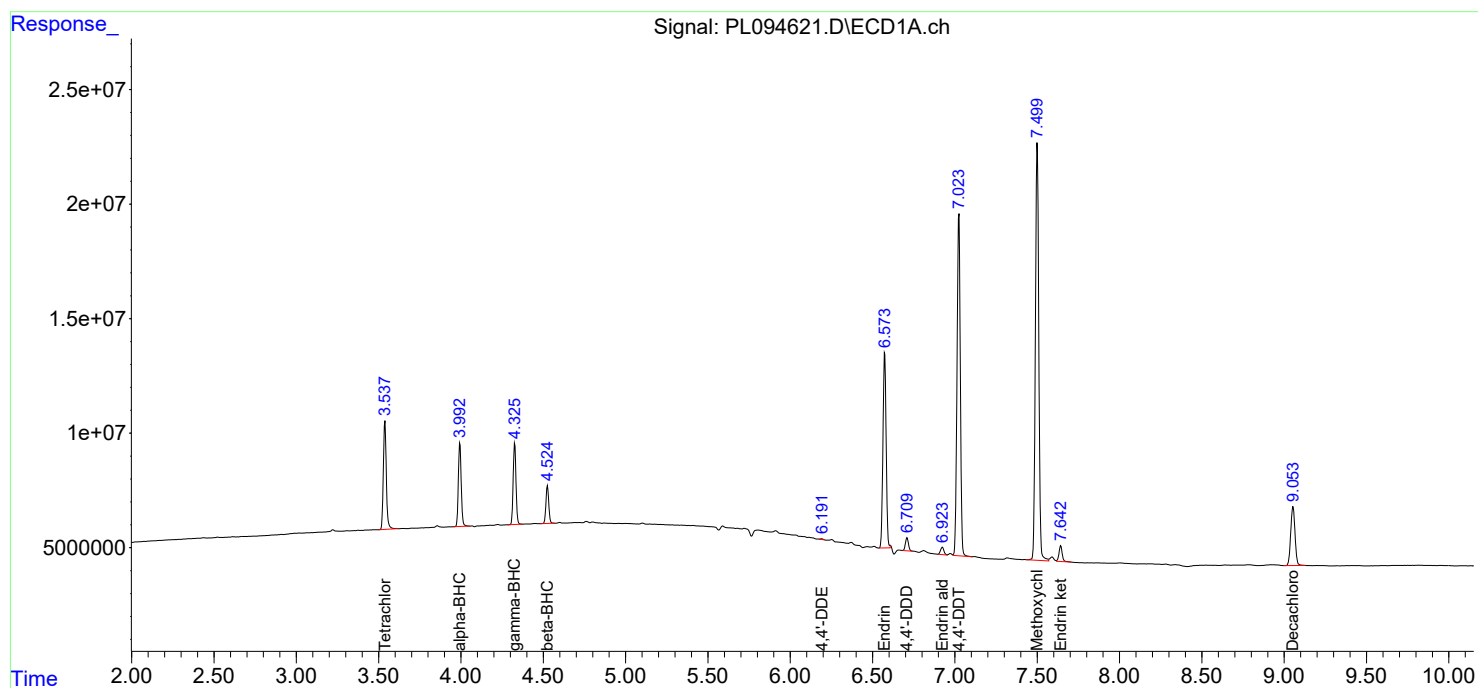
Instrument :
ECD_L
ClientSampleId :
PEM

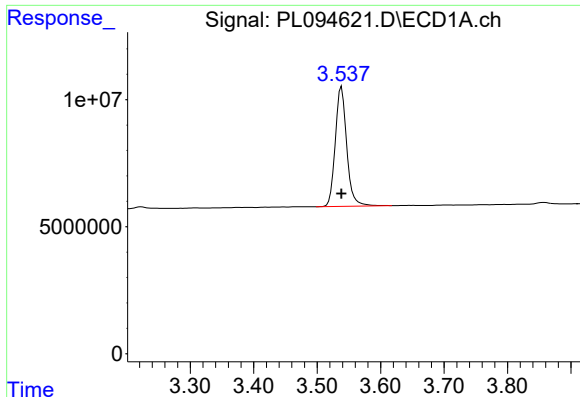
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/28/2025
Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 13:24:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





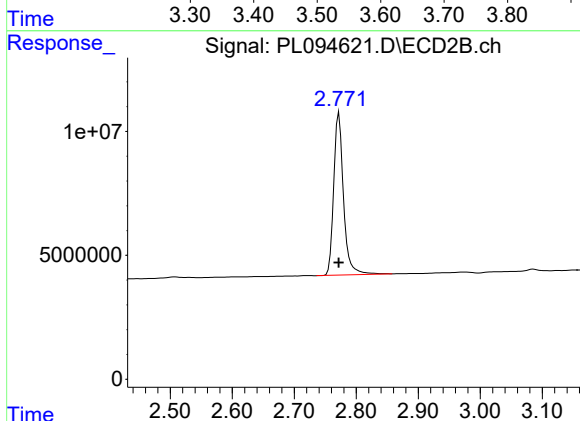
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 59033117
Conc: 20.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

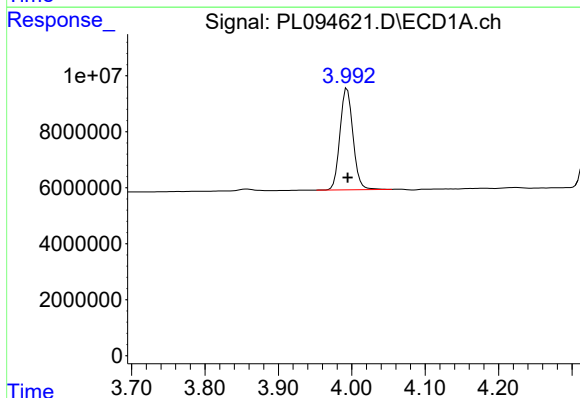
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



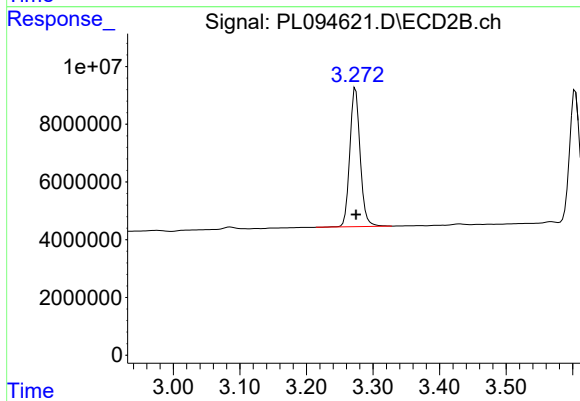
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 72226259
Conc: 20.24 ng/ml



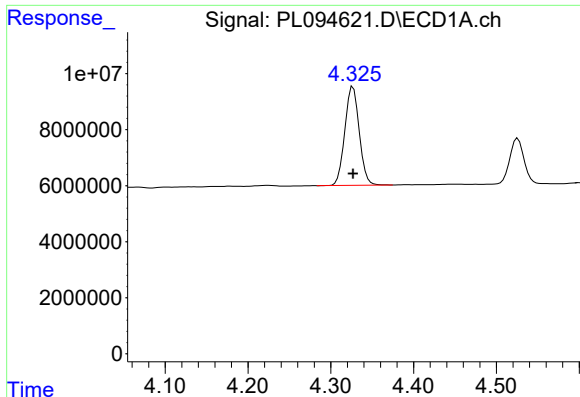
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 44641285
Conc: 10.75 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 51967612
Conc: 9.64 ng/ml



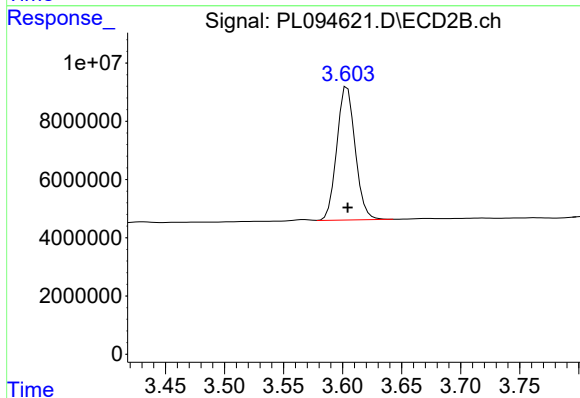
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 42706337
Conc: 10.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

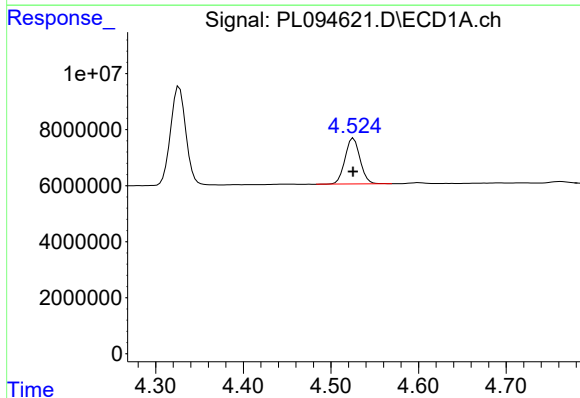
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



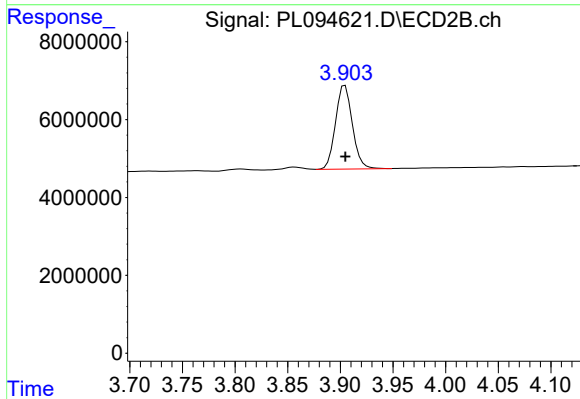
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 49590037
Conc: 9.65 ng/ml



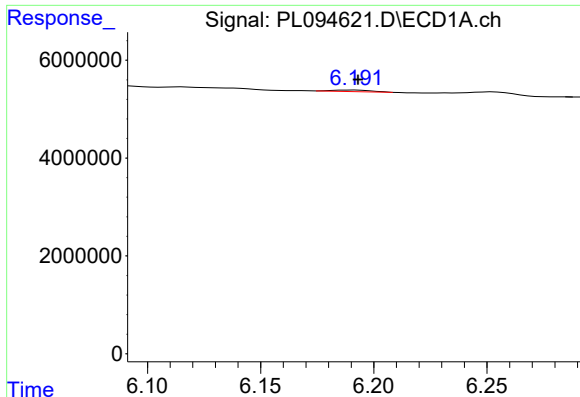
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 19509495
Conc: 10.57 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 23985762
Conc: 10.80 ng/ml



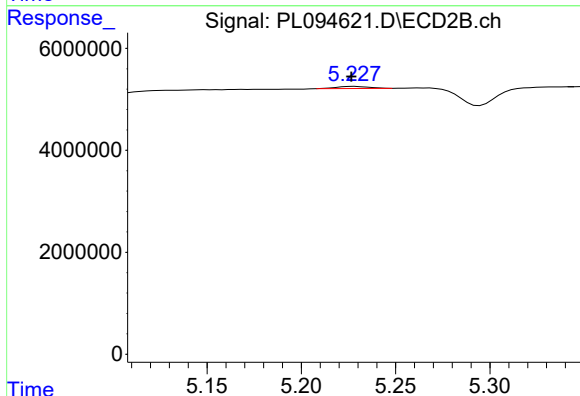
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 371546
Conc: 0.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

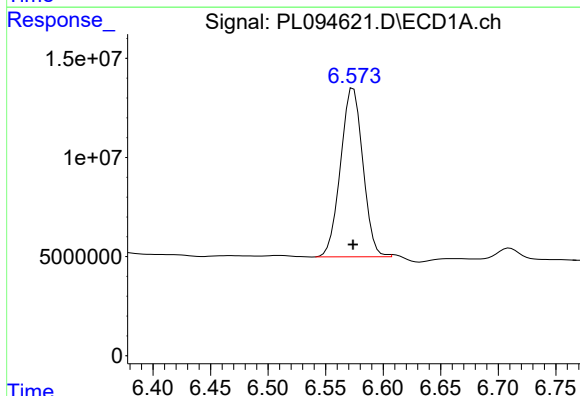
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



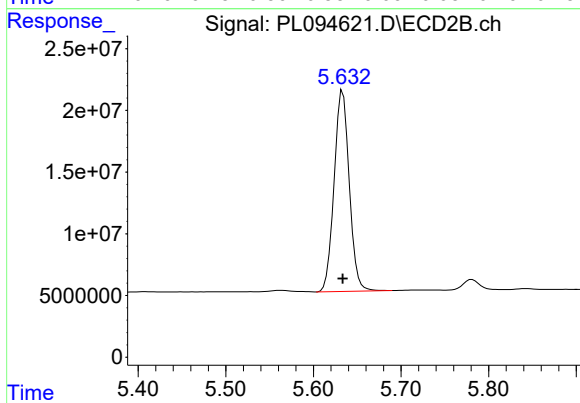
#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 532569
Conc: 0.11 ng/ml m



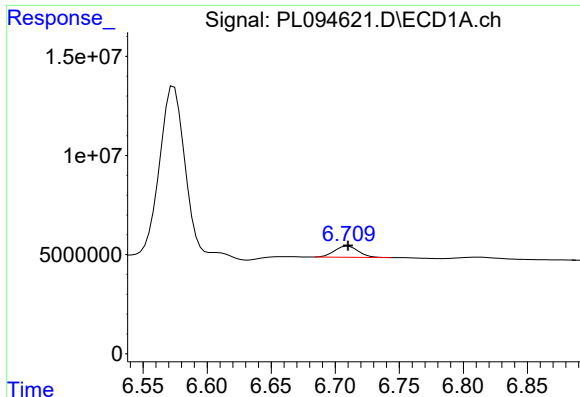
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 115210093
Conc: 41.56 ng/ml m



#14 Endrin

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 196080915
Conc: 44.94 ng/ml



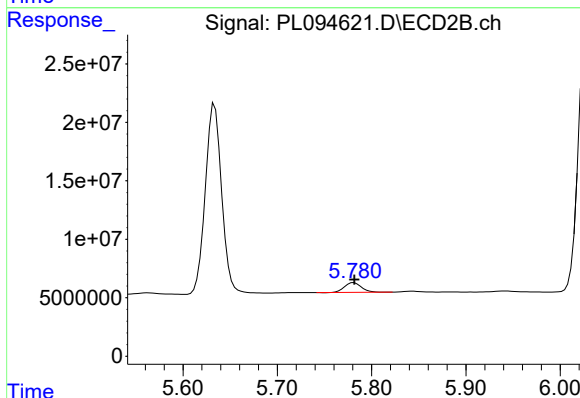
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.001 min
Response: 7436005
Conc: 3.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

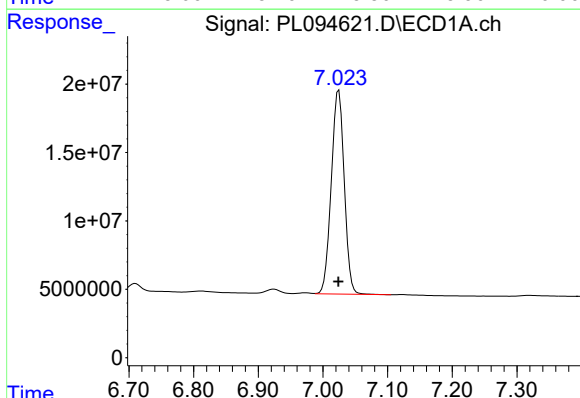
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



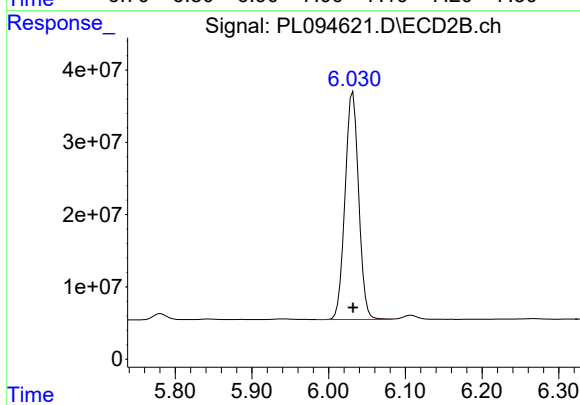
#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 10540777
Conc: 2.93 ng/ml



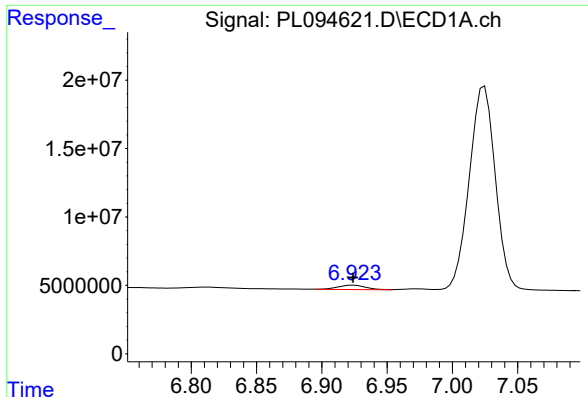
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 207441755
Conc: 87.21 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 390088753
Conc: 96.75 ng/ml



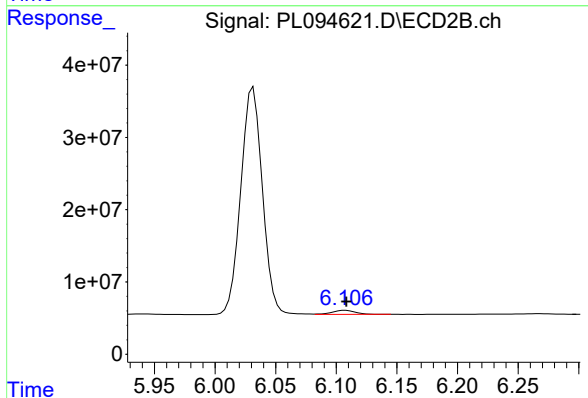
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 4596390
Conc: 2.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

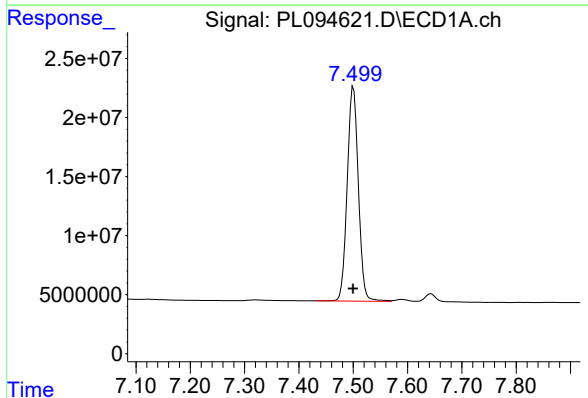
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



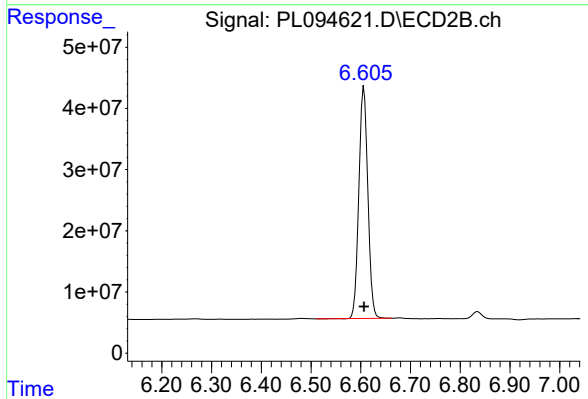
#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 7601618
Conc: 2.26 ng/ml



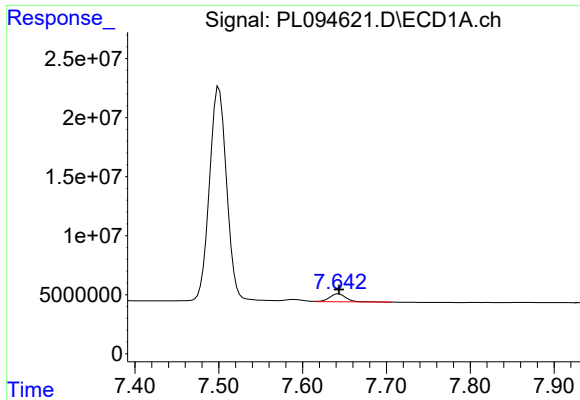
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 259794413
Conc: 217.02 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 474175486
Conc: 223.56 ng/ml



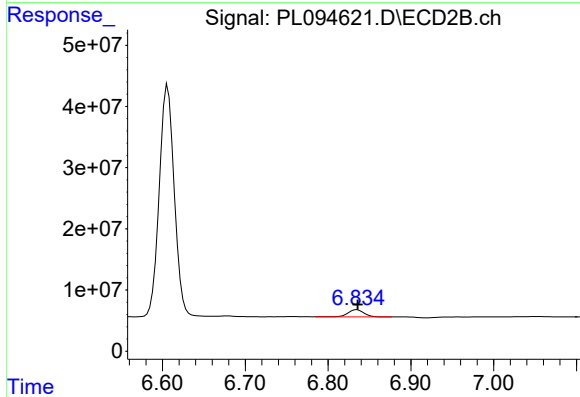
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 9412088
Conc: 3.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

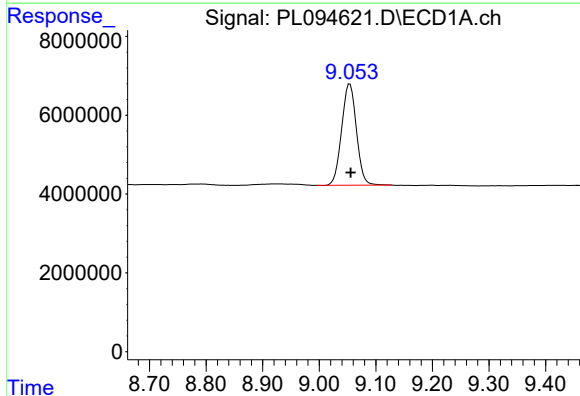
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/28/2025
Supervised By :mohammad ahmed 03/28/2025



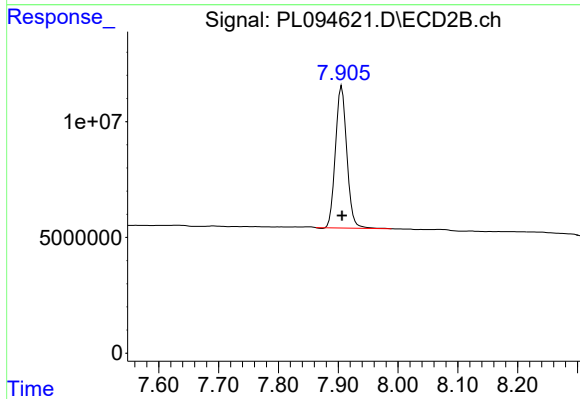
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 15429296
Conc: 3.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 46675778
Conc: 22.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 81297985
Conc: 20.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.937	100.00%
5.937	6.067	100.00%
6.067	6.191	100.00%
6.191	6.343	100.00%
6.343	7.158	100.00%
7.158	7.500	100.00%
7.500	7.643	100.00%
7.643	9.053	100.00%

Signal #2

2.771	4.972	100.00%
4.972	5.092	100.00%
5.092	5.225	100.00%
5.225	5.356	100.00%
5.356	6.330	100.00%
6.330	6.606	100.00%
6.606	6.835	100.00%
6.835	7.905	100.00%

PL031125.M Mon Mar 17 09:39:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:22
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:37:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	53468086	65423025	18.889	18.330
28)	SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds							
9)	A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10)	B gamma-Chl...	5.937	4.971	33232558	42863759	9.863	8.877m
12)	B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13)	MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19)	B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20)	A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21)	B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

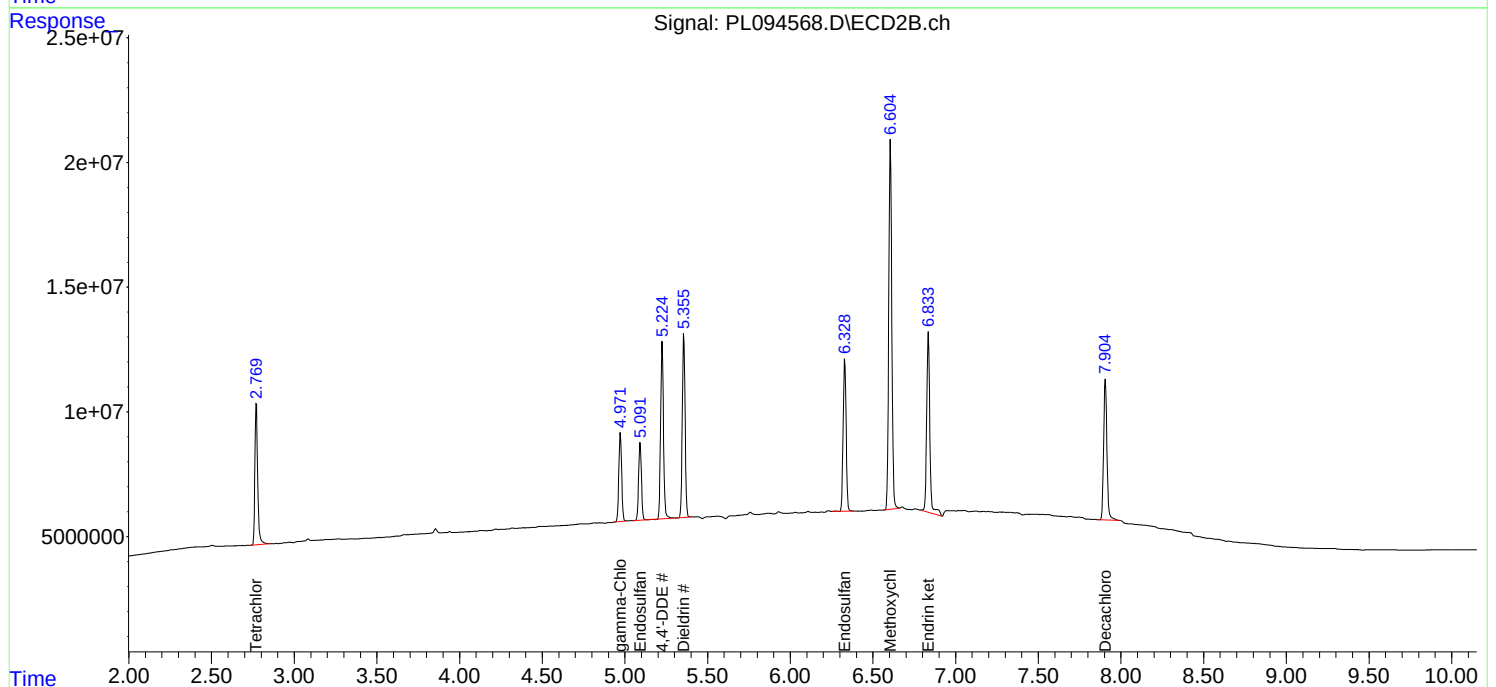
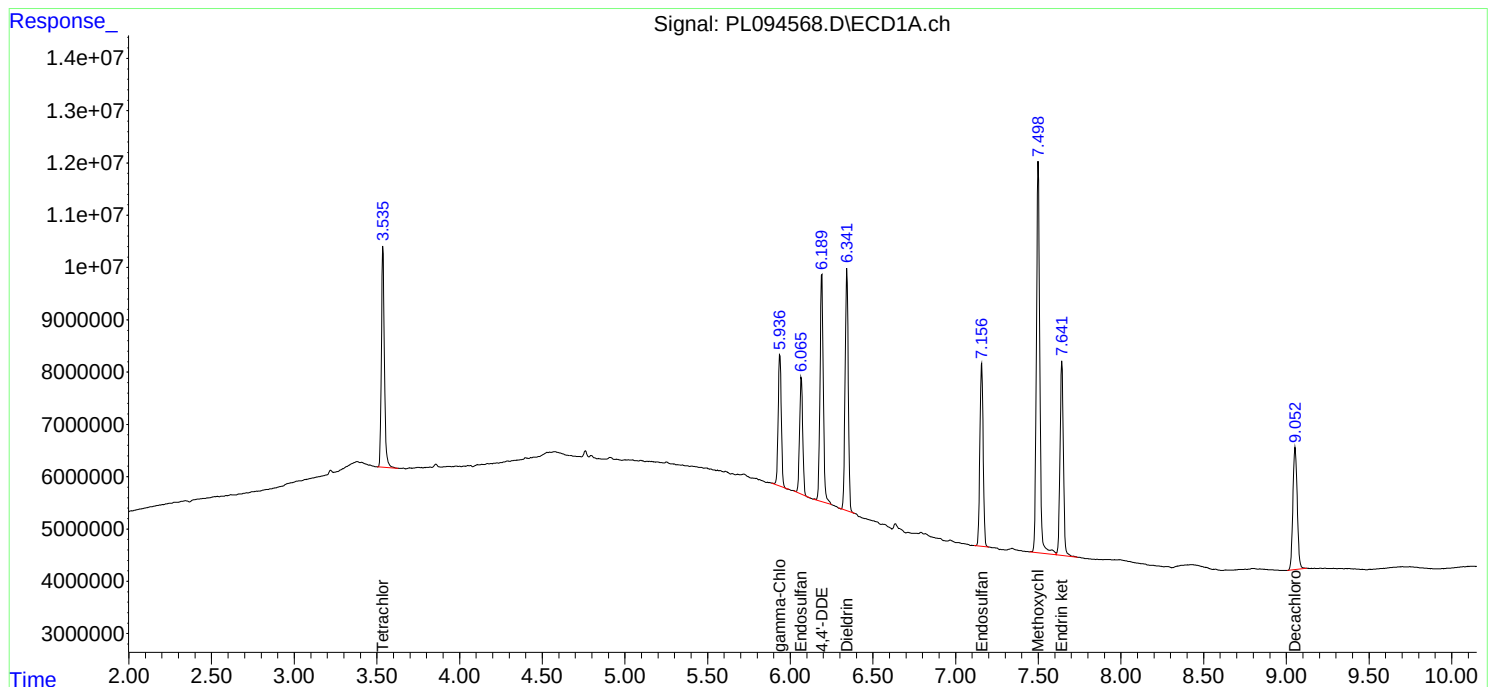
Instrument :
ECD_L
ClientSampleId :
RESCHK

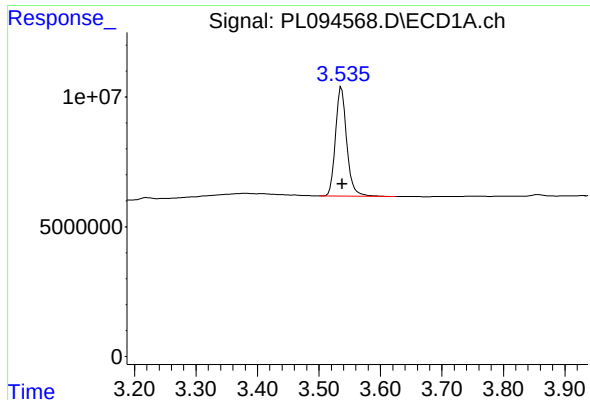
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:37:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





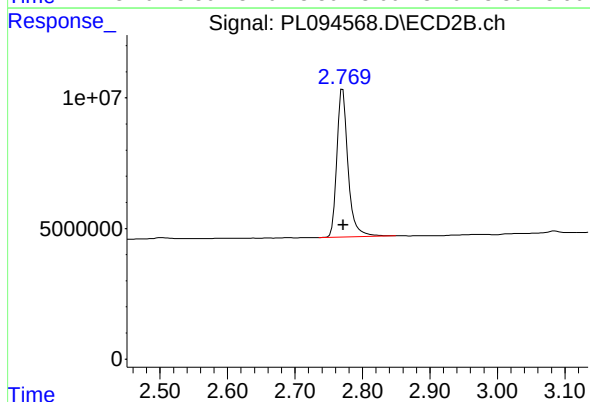
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

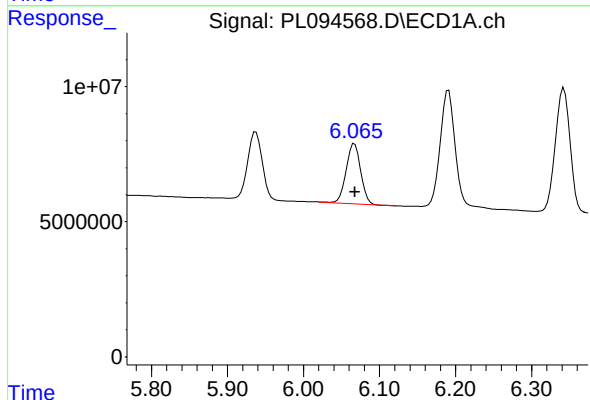
Manual Integrations
APPROVED

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



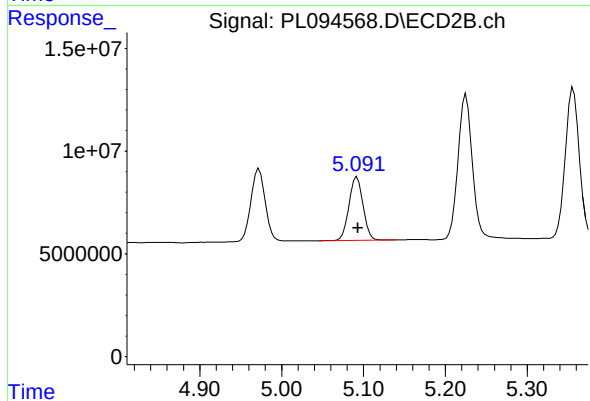
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 65423025
Conc: 18.33 ng/ml



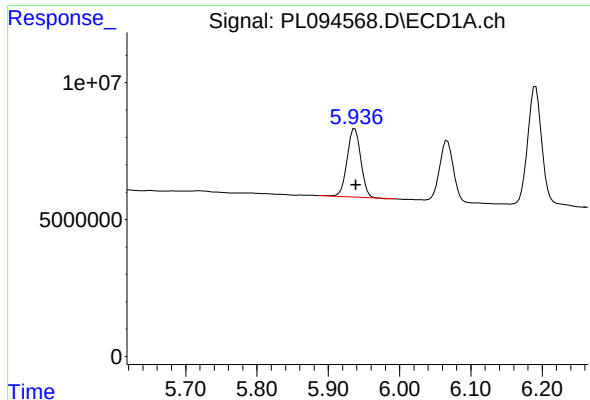
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 29402034
Conc: 9.58 ng/ml



#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 37055598
Conc: 8.44 ng/ml



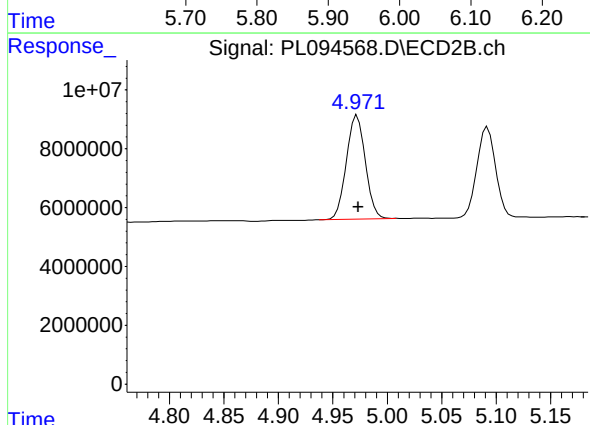
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

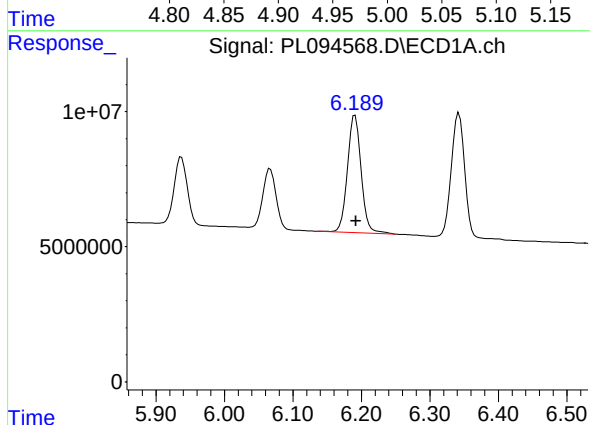
Manual Integrations
APPROVED

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



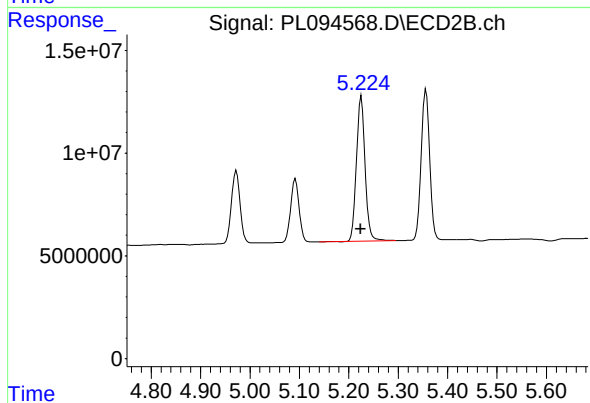
#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 42863759
Conc: 8.88 ng/ml



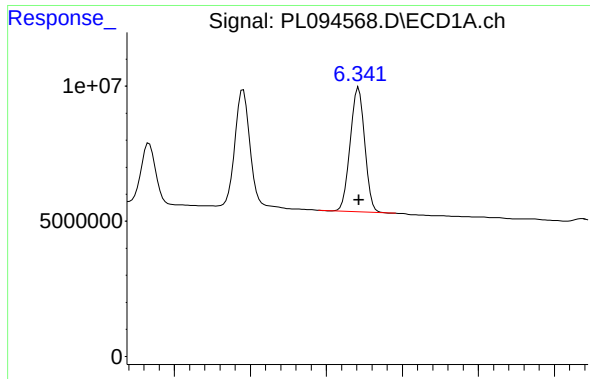
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 60170599
Conc: 20.45 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86039267
Conc: 18.51 ng/ml



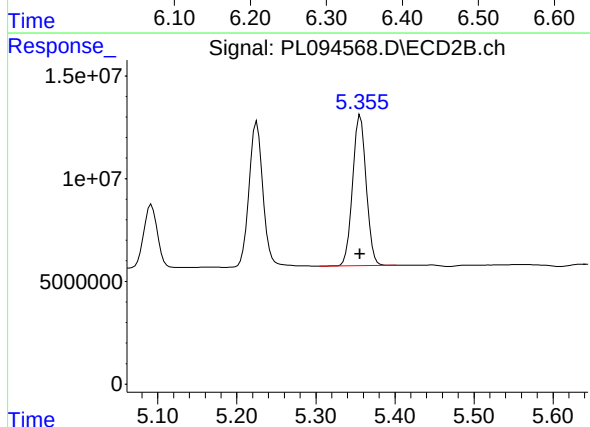
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

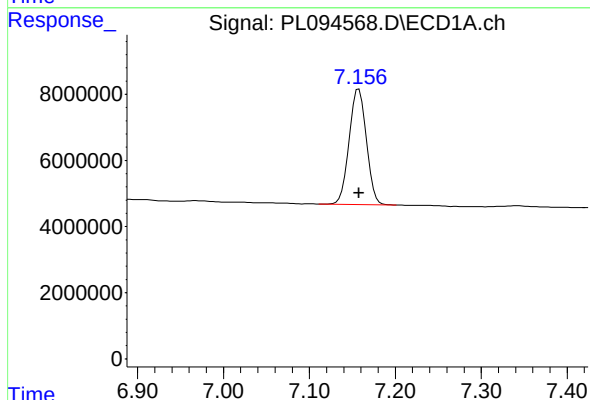
Manual Integrations
APPROVED

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



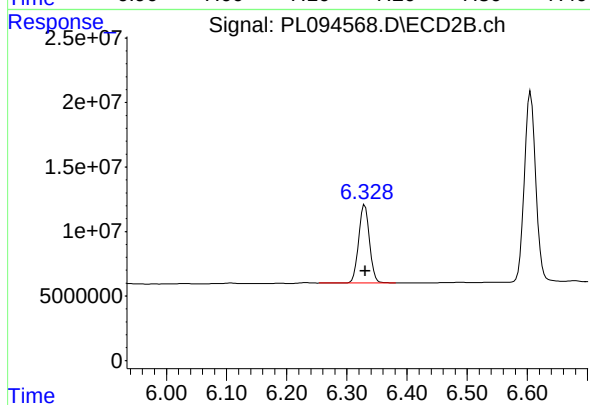
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 87035875
Conc: 17.94 ng/ml



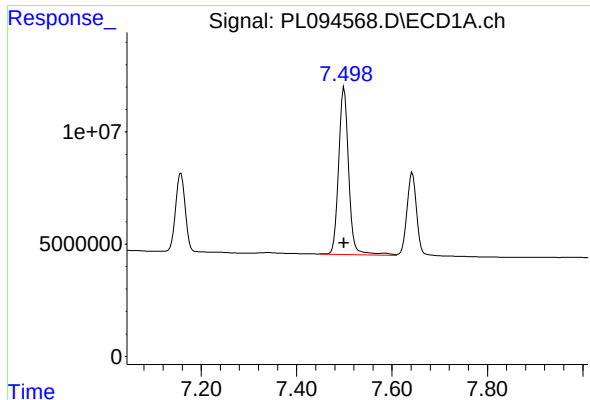
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 48427242
Conc: 19.91 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 76018164
Conc: 18.66 ng/ml



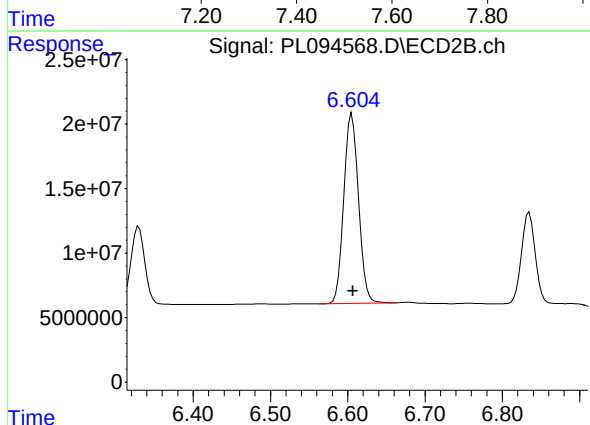
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 108457351
Conc: 90.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

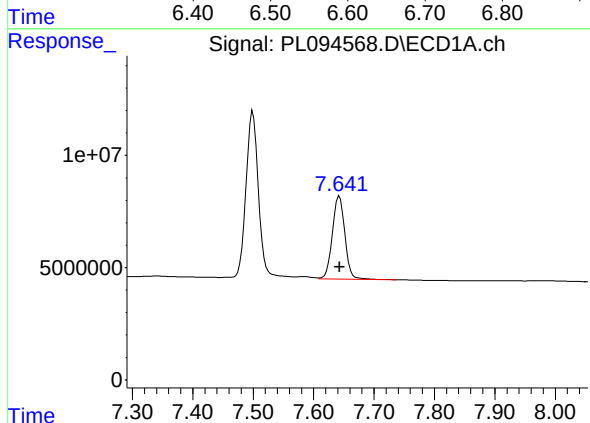
Manual Integrations
APPROVED

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



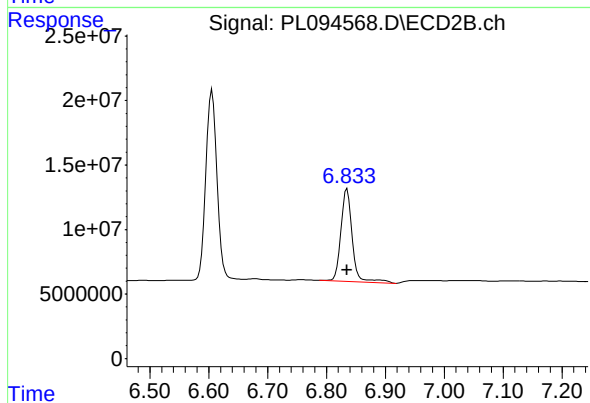
#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 193354717
Conc: 91.16 ng/ml



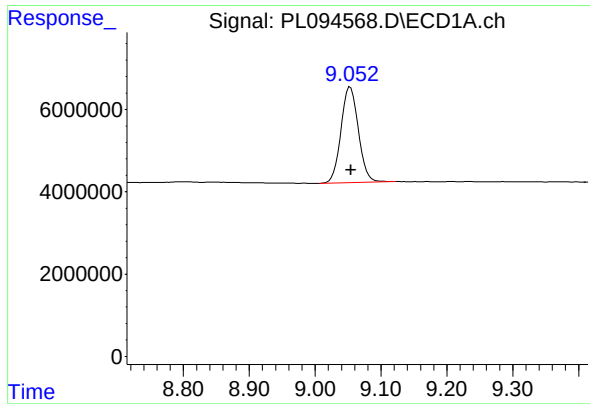
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 53103007
Conc: 20.09 ng/ml



#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 96817803
Conc: 20.29 ng/ml



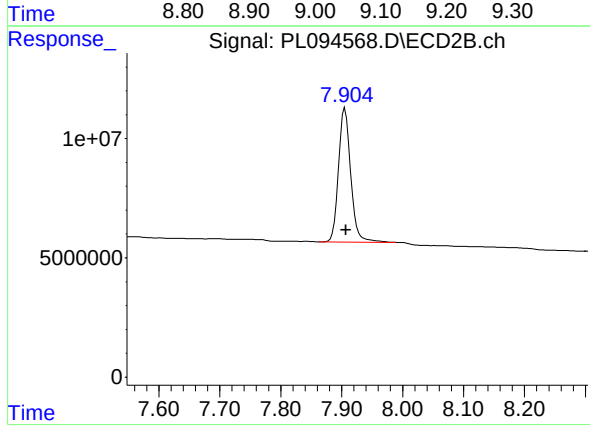
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 42521417
Conc: 20.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 78359154
Conc: 19.40 ng/ml

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1502
Project: NJ Waste Water PT	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICCC100	PSTDICCC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICCC075	PSTDICCC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICCC050	PSTDICCC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICCC025	PSTDICCC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICCC005	PSTDICCC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
IBLK	IBLK	03/11/2025	17:16	PL094587.D	9.07	3.54
PEM	PEM	03/11/2025	17:30	PL094588.D	9.06	3.54
PSTDCCC050	PSTDCCC050	03/11/2025	17:43	PL094589.D	9.06	3.54
PB167076BL	PB167076BL	03/11/2025	17:57	PL094590.D	9.05	3.54
PB167076BS	PB167076BS	03/11/2025	18:11	PL094591.D	9.05	3.54
PB167076BSD	PB167076BSD	03/11/2025	18:44	PL094592.D	9.06	3.54
PT-PEST-WP	Q1502-09	03/11/2025	19:25	PL094595.D	9.05	3.54
IBLK	IBLK	03/11/2025	19:52	PL094597.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/11/2025	20:06	PL094598.D	9.05	3.54
PEM	PEM	03/12/2025	08:51	PL094621.D	9.05	3.54
IBLK	IBLK	03/12/2025	11:14	PL094628.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	11:37	PL094629.D	9.06	3.54
PT-PEST-WPDL	Q1502-09DL	03/12/2025	14:26	PL094635.D	9.05	3.54
PT-PEST-WPDL2	Q1502-09DL2	03/12/2025	14:40	PL094636.D	9.05	3.54
IBLK	IBLK	03/12/2025	15:35	PL094639.D	9.06	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	9.05	3.54

Analytical Sequence

Client: Alliance Technical Group, LLC - Newark	SDG No.: Q1502
Project: NJ Waste Water PT	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 03/11/2025 03/11/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICCC100	PSTDICCC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICCC075	PSTDICCC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICCC050	PSTDICCC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICCC025	PSTDICCC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICCC005	PSTDICCC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
IBLK	IBLK	03/11/2025	17:16	PL094587.D	7.91	2.77
PEM	PEM	03/11/2025	17:30	PL094588.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/11/2025	17:43	PL094589.D	7.91	2.77
PB167076BL	PB167076BL	03/11/2025	17:57	PL094590.D	7.91	2.77
PB167076BS	PB167076BS	03/11/2025	18:11	PL094591.D	7.91	2.77
PB167076BSD	PB167076BSD	03/11/2025	18:44	PL094592.D	7.91	2.77
PT-PEST-WP	Q1502-09	03/11/2025	19:25	PL094595.D	7.91	2.77
IBLK	IBLK	03/11/2025	19:52	PL094597.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/11/2025	20:06	PL094598.D	7.91	2.77
PEM	PEM	03/12/2025	08:51	PL094621.D	7.91	2.77
IBLK	IBLK	03/12/2025	11:14	PL094628.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	11:37	PL094629.D	7.91	2.77
PT-PEST-WPDL	Q1502-09DL	03/12/2025	14:26	PL094635.D	7.90	2.77
PT-PEST-WPDL2	Q1502-09DL2	03/12/2025	14:40	PL094636.D	7.90	2.77
IBLK	IBLK	03/12/2025	15:35	PL094639.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	7.90	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167076BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167076BS

Date(s) Analyzed: 03/11/2025

03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	0.48	1.6
	2	5.78	5.73	5.83	0.49	
4,4'-DDE	1	6.19	6.14	6.24	0.48	0.2
	2	5.23	5.18	5.28	0.48	
4,4'-DDT	1	7.02	6.97	7.07	0.48	1.3
	2	6.03	5.98	6.08	0.49	
alpha-BHC	1	3.99	3.94	4.04	0.44	2.5
	2	3.27	3.22	3.32	0.45	
Aldrin	1	5.26	5.21	5.31	0.45	2.7
	2	4.22	4.17	4.27	0.47	
alpha-Chlordane	1	6.02	5.97	6.07	0.46	2
	2	5.04	4.99	5.09	0.47	
Endosulfan II	1	6.79	6.74	6.84	0.47	3.1
	2	5.93	5.88	5.98	0.49	
Endosulfan sulfate	1	7.16	7.11	7.21	0.48	4.8
	2	6.33	6.28	6.38	0.50	
beta-BHC	1	4.53	4.48	4.58	0.44	6.1
	2	3.90	3.85	3.95	0.46	
delta-BHC	1	4.77	4.72	4.82	0.47	2.5
	2	4.13	4.08	4.18	0.46	
Endosulfan I	1	6.07	6.02	6.12	0.47	2.6
	2	5.09	5.04	5.14	0.48	
Dieldrin	1	6.34	6.29	6.39	0.47	2
	2	5.36	5.31	5.41	0.48	
Endrin aldehyde	1	6.92	6.87	6.97	0.47	2.5
	2	6.11	6.06	6.16	0.48	
Methoxychlor	1	7.50	7.45	7.55	0.49	0.1
	2	6.61	6.56	6.66	0.49	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167076BS

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167076BS

Date(s) Analyzed: 03/11/2025

03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	0.49	4.4
	2	6.84	6.79	6.89	0.51	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.44	2.9
	2	3.60	3.55	3.65	0.46	
Heptachlor	1	4.91	4.86	4.96	0.45	2.3
	2	3.94	3.89	3.99	0.47	
Heptachlor epoxide	1	5.68	5.63	5.73	0.46	3
	2	4.72	4.67	4.77	0.48	
gamma-Chlordane	1	5.94	5.89	5.99	0.46	1.9
	2	4.97	4.92	5.02	0.47	
Endrin	1	6.57	6.52	6.62	0.46	4.7
	2	5.63	5.58	5.68	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167076BSD

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167076BSD

Date(s) Analyzed: 03/11/2025

03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
alpha-Chlordane	1	6.02	5.97	6.07	0.45	1.6
	2	5.04	4.99	5.09	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.46	0.1
	2	5.23	5.18	5.28	0.46	
4,4'-DDD	1	6.72	6.67	6.77	0.48	0.5
	2	5.78	5.73	5.83	0.48	
4,4'-DDT	1	7.03	6.98	7.08	0.47	2.8
	2	6.03	5.98	6.08	0.48	
alpha-BHC	1	4.00	3.95	4.05	0.43	1.5
	2	3.27	3.22	3.32	0.43	
Aldrin	1	5.26	5.21	5.31	0.44	0.7
	2	4.22	4.17	4.27	0.44	
beta-BHC	1	4.53	4.48	4.58	0.41	7.9
	2	3.90	3.85	3.95	0.45	
Endosulfan II	1	6.80	6.75	6.85	0.47	2.7
	2	5.93	5.88	5.98	0.48	
Endrin aldehyde	1	6.93	6.88	6.98	0.47	2.3
	2	6.11	6.06	6.16	0.48	
Endosulfan sulfate	1	7.16	7.11	7.21	0.47	4.3
	2	6.33	6.28	6.38	0.49	
Methoxychlor	1	7.51	7.46	7.56	0.49	0
	2	6.61	6.56	6.66	0.49	
Endrin ketone	1	7.65	7.60	7.70	0.50	2.9
	2	6.84	6.79	6.89	0.51	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	1.4
	2	3.60	3.55	3.65	0.43	
Heptachlor	1	4.92	4.87	4.97	0.44	1.3
	2	3.94	3.89	3.99	0.45	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167076BSD

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: PB167076BSD

Date(s) Analyzed: 03/11/2025

03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.78	4.73	4.83	0.46	3.7
	2	4.13	4.08	4.18	0.44	
Heptachlor epoxide	1	5.69	5.64	5.74	0.45	2.9
	2	4.72	4.67	4.77	0.46	
Endosulfan I	1	6.07	6.02	6.12	0.46	2.9
	2	5.09	5.04	5.14	0.47	
gamma-Chlordane	1	5.95	5.90	6.00	0.45	1.8
	2	4.97	4.92	5.02	0.46	
Dieldrin	1	6.35	6.30	6.40	0.46	2.2
	2	5.36	5.31	5.41	0.47	
Endrin	1	6.58	6.53	6.63	0.45	6.1
	2	5.63	5.58	5.68	0.47	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09

Date(s) Analyzed: 03/11/2025

03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	5.80	5
	2	5.93	5.88	5.98	6.10	
4,4'-DDD	1	6.71	6.66	6.76	8.70	11.9
	2	5.78	5.73	5.83	9.80	
4,4'-DDT	1	7.02	6.97	7.07	5.20	10.9
	2	6.03	5.98	6.08	5.80	
Endrin aldehyde	1	6.92	6.87	6.97	14.2	2.1
	2	6.11	6.06	6.16	14.5	
Endosulfan sulfate	1	7.16	7.11	7.21	8.30	4.7
	2	6.33	6.28	6.38	8.70	
Methoxychlor	1	7.50	7.45	7.55	7.20	1.4
	2	6.61	6.56	6.66	7.30	
Endrin ketone	1	7.64	7.59	7.69	14.8	8.5
	2	6.84	6.79	6.89	13.6	
alpha-BHC	1	3.99	3.94	4.04	5.20	5.6
	2	3.27	3.22	3.32	5.50	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.70	6.2
	2	3.60	3.55	3.65	5.00	
Heptachlor	1	4.91	4.86	4.96	3.60	8
	2	3.94	3.89	3.99	3.90	
Aldrin	1	5.25	5.20	5.30	8.40	5.8
	2	4.22	4.17	4.27	8.90	
beta-BHC	1	4.53	4.48	4.58	4.10	15.7
	2	3.90	3.85	3.95	4.80	
delta-BHC	1	4.77	4.72	4.82	13.7	2.9
	2	4.13	4.08	4.18	14.1	
Heptachlor epoxide	1	5.68	5.63	5.73	8.00	2.5
	2	4.72	4.67	4.77	8.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WP

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09

Date(s) Analyzed: 03/11/2025 03/11/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	13.1	1.5
	2	5.09	5.04	5.14	13.3	
gamma-Chlordane	1	5.94	5.89	5.99	1.50	12.5
	2	4.97	4.92	5.02	1.70	
alpha-Chlordane	1	6.02	5.97	6.07	2.80	10.2
	2	5.04	4.99	5.09	3.10	
4,4'-DDE	1	6.19	6.14	6.24	6.00	6.5
	2	5.23	5.18	5.28	6.40	
Dieldrin	1	6.34	6.29	6.39	8.60	1.2
	2	5.36	5.31	5.41	8.70	
Endrin	1	6.57	6.52	6.62	14.2	4.3
	2	5.63	5.58	5.68	13.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09DL

Date(s) Analyzed: 03/12/2025

03/12/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	5.80	11.4
	2	5.93	5.88	5.98	6.50	
4,4'-DDD	1	6.71	6.66	6.76	8.60	16
	2	5.78	5.73	5.83	10.1	
4,4'-DDT	1	7.02	6.97	7.07	4.90	16.8
	2	6.03	5.98	6.08	5.80	
Endrin aldehyde	1	6.92	6.87	6.97	14.2	9.4
	2	6.11	6.06	6.16	15.6	
Endosulfan sulfate	1	7.16	7.11	7.21	8.40	12.3
	2	6.33	6.28	6.38	9.50	
Methoxychlor	1	7.50	7.45	7.55	7.30	7.9
	2	6.60	6.55	6.65	7.90	
Endrin ketone	1	7.64	7.59	7.69	15.2	0
	2	6.83	6.78	6.88	15.2	
alpha-BHC	1	3.99	3.94	4.04	5.00	11.3
	2	3.27	3.22	3.32	5.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.50	12.5
	2	3.60	3.55	3.65	5.10	
Heptachlor	1	4.91	4.86	4.96	3.50	13.3
	2	3.94	3.89	3.99	4.00	
Aldrin	1	5.26	5.21	5.31	8.30	13.5
	2	4.22	4.17	4.27	9.50	
beta-BHC	1	4.52	4.47	4.57	4.20	15.4
	2	3.90	3.85	3.95	4.90	
delta-BHC	1	4.77	4.72	4.82	13.3	12.7
	2	4.13	4.08	4.18	15.1	
Heptachlor epoxide	1	5.68	5.63	5.73	8.10	10.5
	2	4.72	4.67	4.77	9.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL

Contract: ALLI03

Lab Code: CHEM **Case No.:** Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09DL

Date(s) Analyzed: 03/12/2025 03/12/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm)

GC Column: (2): ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	13.5	9.2
	2	5.09	5.04	5.14	14.8	
gamma-Chlordane	1	5.94	5.89	5.99	1.50	12.5
	2	4.97	4.92	5.02	1.70	
alpha-Chlordane	1	6.02	5.97	6.07	2.80	13.3
	2	5.04	4.99	5.09	3.20	
4,4'-DDE	1	6.19	6.14	6.24	6.00	9.5
	2	5.22	5.17	5.27	6.60	
Dieldrin	1	6.34	6.29	6.39	8.50	10.1
	2	5.36	5.31	5.41	9.40	
Endrin	1	6.57	6.52	6.62	14.2	5.5
	2	5.63	5.58	5.68	15.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09DL2

Date(s) Analyzed: 03/12/2025

03/12/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	6.90	4.3
	2	5.93	5.88	5.98	7.20	
4,4'-DDD	1	6.71	6.66	6.76	9.80	6.9
	2	5.78	5.73	5.83	10.5	
4,4'-DDT	1	7.02	6.97	7.07	5.50	0
	2	6.03	5.98	6.08	5.50	
Endrin aldehyde	1	6.92	6.87	6.97	17.1	10
	2	6.11	6.06	6.16	18.9	
Endosulfan sulfate	1	7.16	7.11	7.21	10.2	6.6
	2	6.33	6.28	6.38	10.9	
Methoxychlor	1	7.50	7.45	7.55	9.10	0
	2	6.60	6.55	6.65	9.10	
Endrin ketone	1	7.64	7.59	7.69	17.9	7.5
	2	6.83	6.78	6.88	19.3	
alpha-BHC	1	3.99	3.94	4.04	5.40	0
	2	3.27	3.22	3.32	5.40	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.00	0
	2	3.60	3.55	3.65	5.00	
Heptachlor	1	4.91	4.86	4.96	4.10	0
	2	3.94	3.89	3.99	4.10	
Aldrin	1	5.25	5.20	5.30	9.30	8.2
	2	4.22	4.17	4.27	10.1	
beta-BHC	1	4.52	4.47	4.57	5.20	1.9
	2	3.90	3.85	3.95	5.30	
delta-BHC	1	4.77	4.72	4.82	13.9	13.4
	2	4.13	4.08	4.18	15.9	
Heptachlor epoxide	1	5.68	5.63	5.73	9.60	6.1
	2	4.72	4.67	4.77	10.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-WPDL2

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1502

SAS No.: Q1502

SDG NO.: Q1502

Lab Sample ID: Q1502-09DL2

Date(s) Analyzed: 03/12/2025

03/12/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	15.8	10.8
	2	5.09	5.04	5.14	17.6	
gamma-Chlordane	1	5.94	5.89	5.99	1.90	11.1
	2	4.97	4.92	5.02	1.70	
alpha-Chlordane	1	6.02	5.97	6.07	3.30	3.1
	2	5.04	4.99	5.09	3.20	
4,4'-DDE	1	6.19	6.14	6.24	6.80	1.5
	2	5.22	5.17	5.27	6.90	
Dieldrin	1	6.34	6.29	6.39	9.60	6.1
	2	5.36	5.31	5.41	10.2	
Endrin	1	6.57	6.52	6.62	15.7	13.1
	2	5.63	5.58	5.68	17.9	



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167076BL	SDG No.:	Q1502
Lab Sample ID:	PB167076BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094590.D	1	03/11/25 08:39	03/11/25 17:57	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.5		43 - 140	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		77 - 126	105%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB167076BL		SDG No.:	Q1502	
Lab Sample ID:	PB167076BL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094590.D	1	03/11/25 08:39	03/11/25 17:57	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 17:57
 Operator : AR\AJ
 Sample : PB167076BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167076BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 03:02:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	59536371	71332584	21.033	19.985
28) SA Decachlor...	9.053	7.905	51720871	94881902	24.542	23.489

Target Compounds

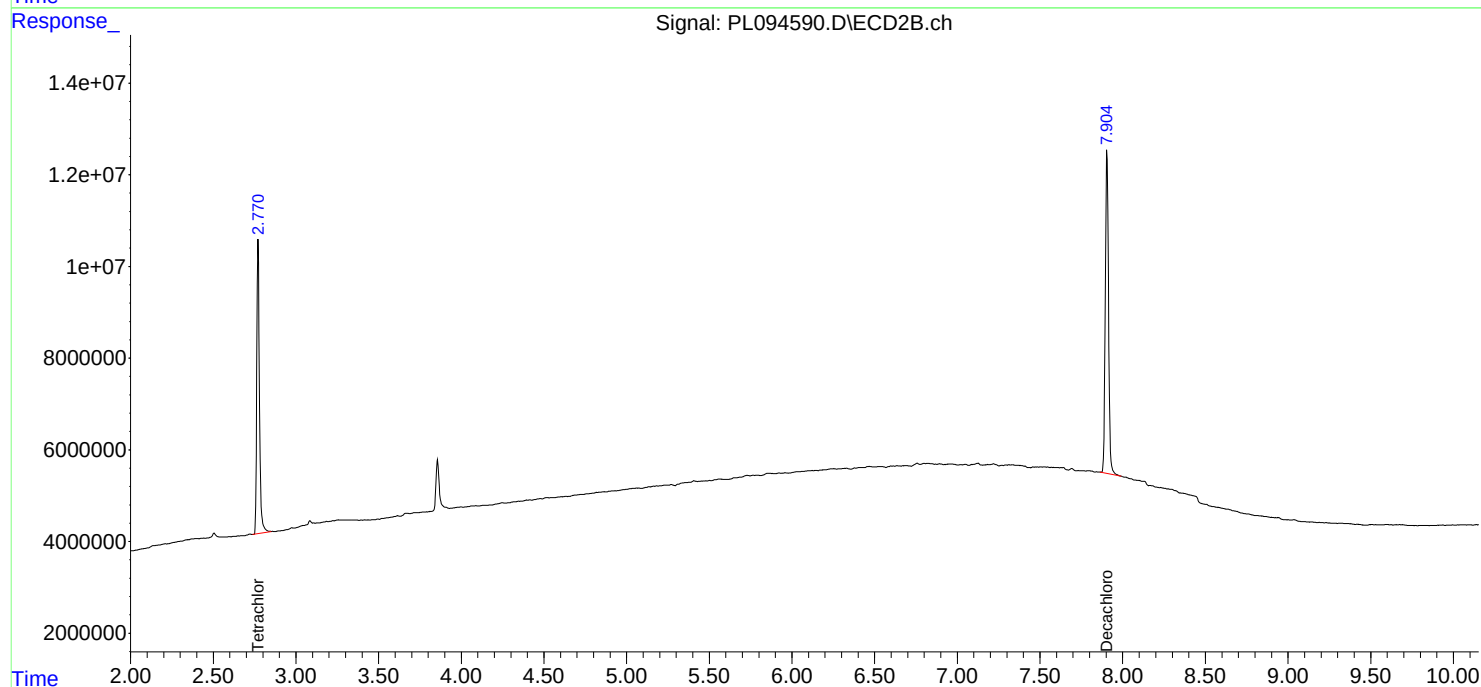
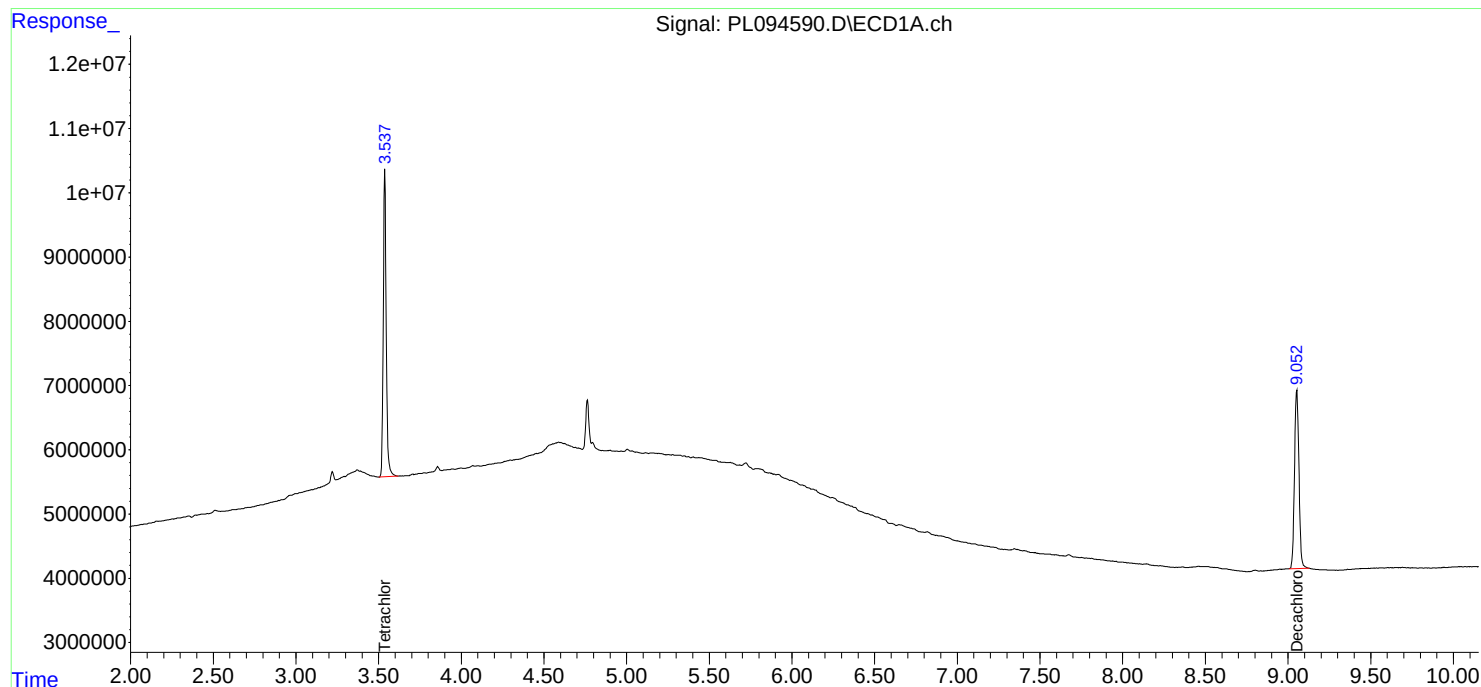
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

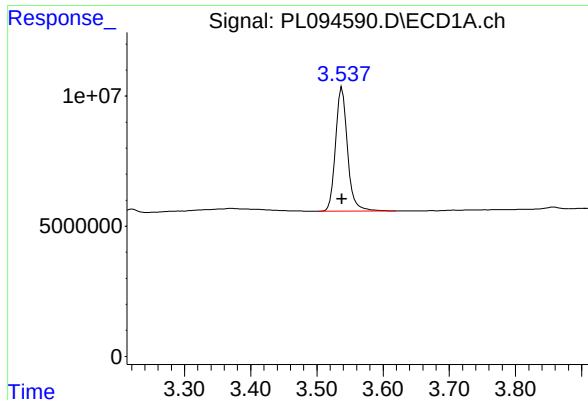
```
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\  
Data File : PL094590.D  
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch  
Acq On    : 11 Mar 2025  17:57  
Operator  : AR\AJ  
Sample    : PB167076BL  
Misc      :  
ALS Vial  : 26    Sample Multiplier: 1
```

Instrument :
ECD_L
ClientSampleId :
PB167076BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

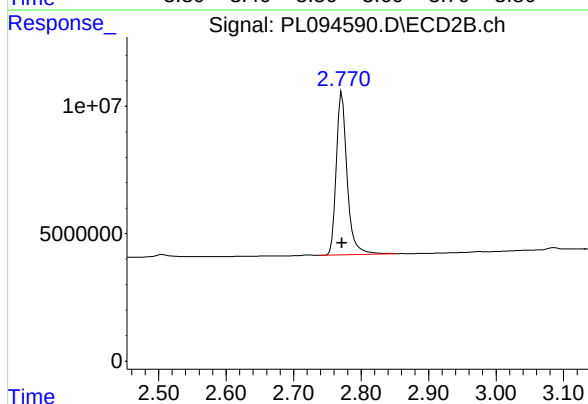




#1 Tetrachloro-m-xylene

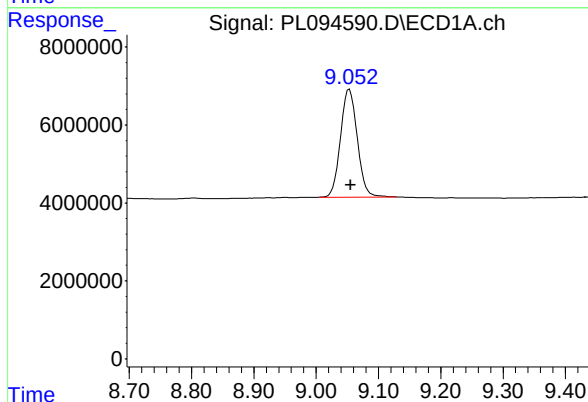
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 59536371
Conc: 21.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BL



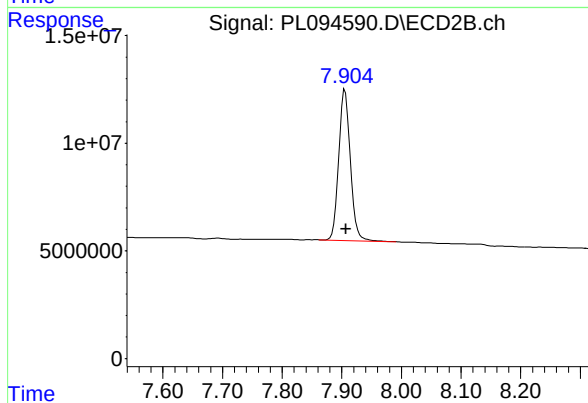
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 71332584
Conc: 19.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 51720871
Conc: 24.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 94881902
Conc: 23.49 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/11/25	
Project:	NJ Waste Water PT			Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094566.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094566.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094566.D	1		03/11/25	PL031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		77 - 126	103%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/11/25	
Project:	NJ Waste Water PT		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094566.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094566.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094566.D	1		03/11/25	PL031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	58403854	72167542	20.633	20.219
28) SA Decachlor...	9.053	7.905	47932225	84990699	22.744	21.041

Target Compounds

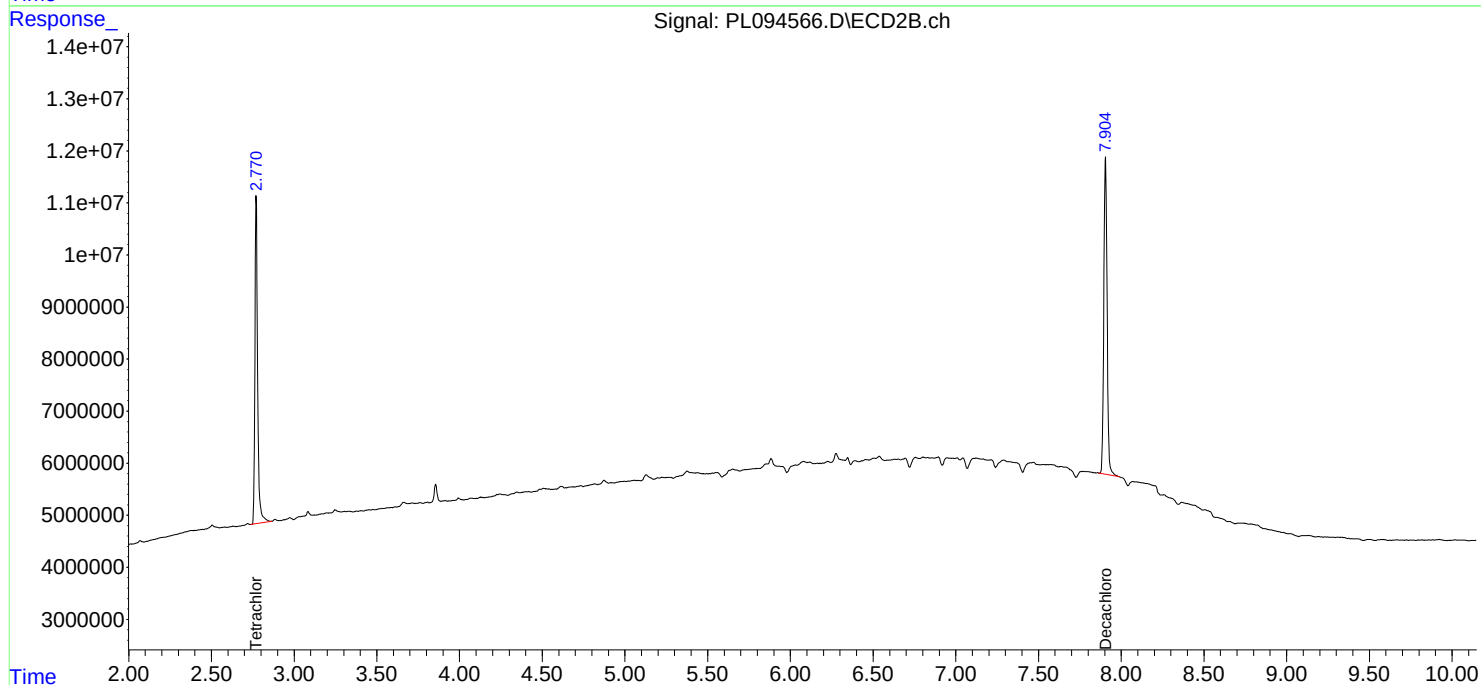
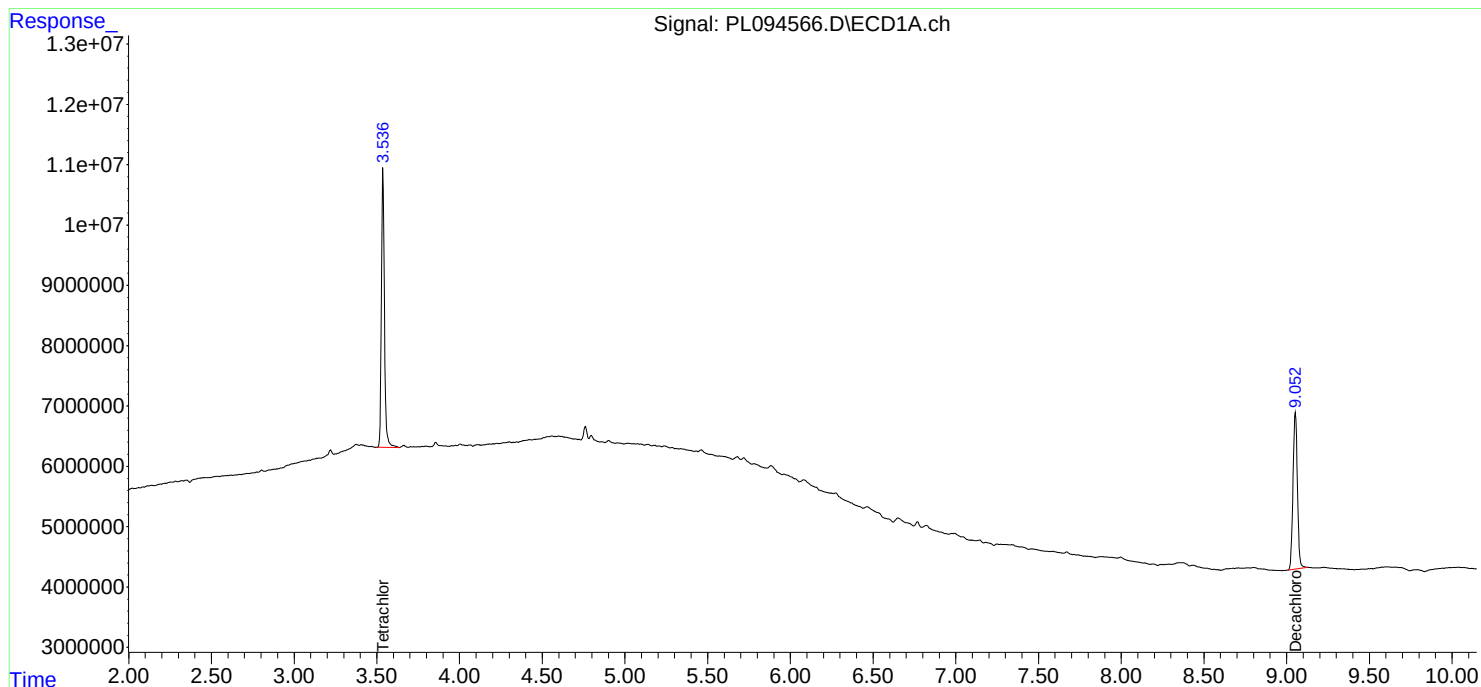
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

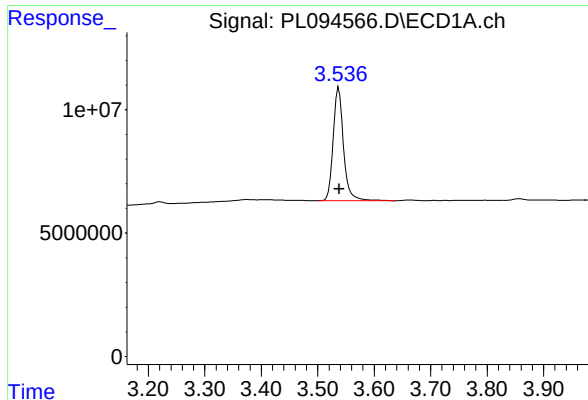
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:42:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

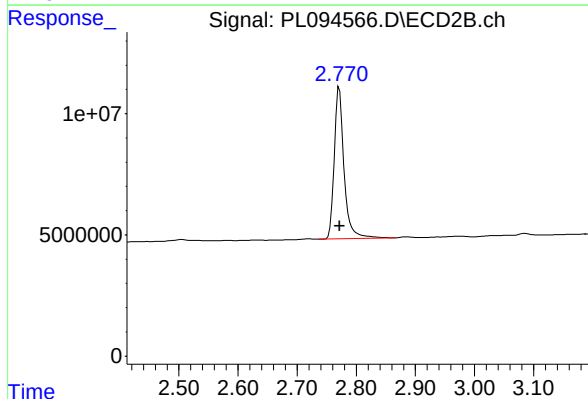




#1 Tetrachloro-m-xylene

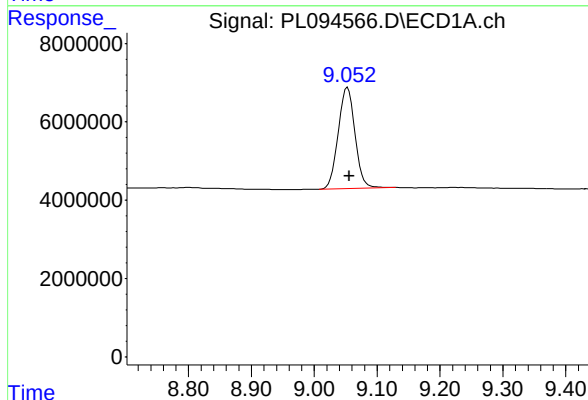
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



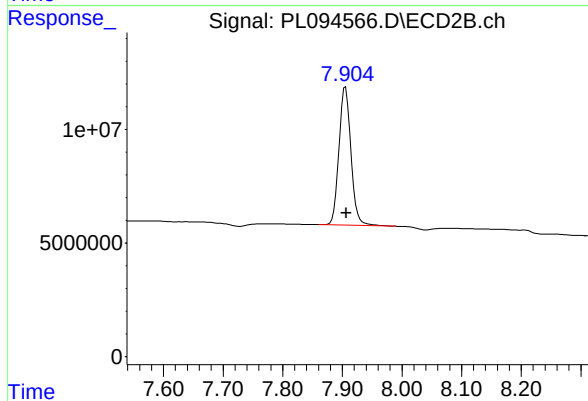
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 72167542
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 47932225
Conc: 22.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.001 min
Response: 84990699
Conc: 21.04 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/11/25	
Project:	NJ Waste Water PT			Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094587.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094587.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094587.D	1		03/11/25	pl031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		43 - 140	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		77 - 126	102%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/11/25	
Project:	NJ Waste Water PT		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094587.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094587.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094587.D	1		03/11/25	pl031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 17:16
 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: Mar 12 02:03:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.771	57535639	71165515	20.326	19.938
28) SA Decachlor...	9.067	7.909	51437209	93759736	24.407	23.212

Target Compounds

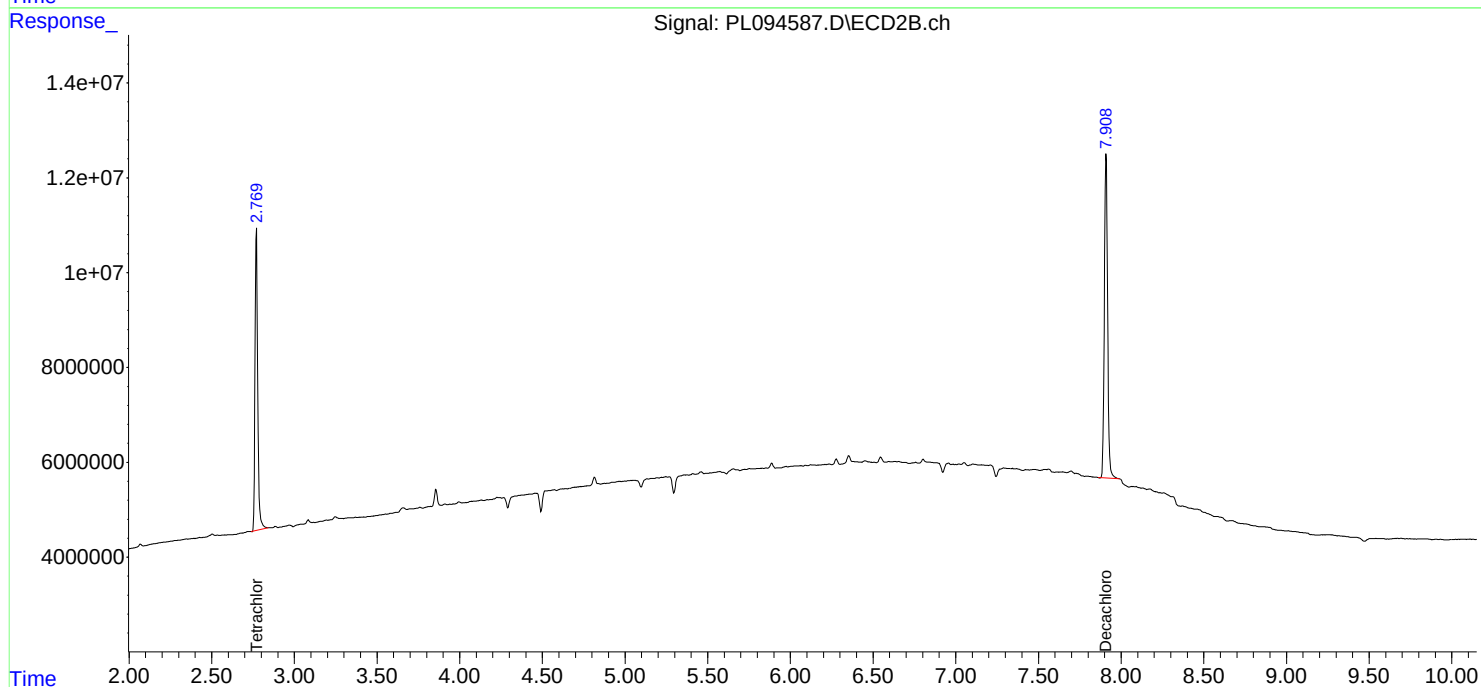
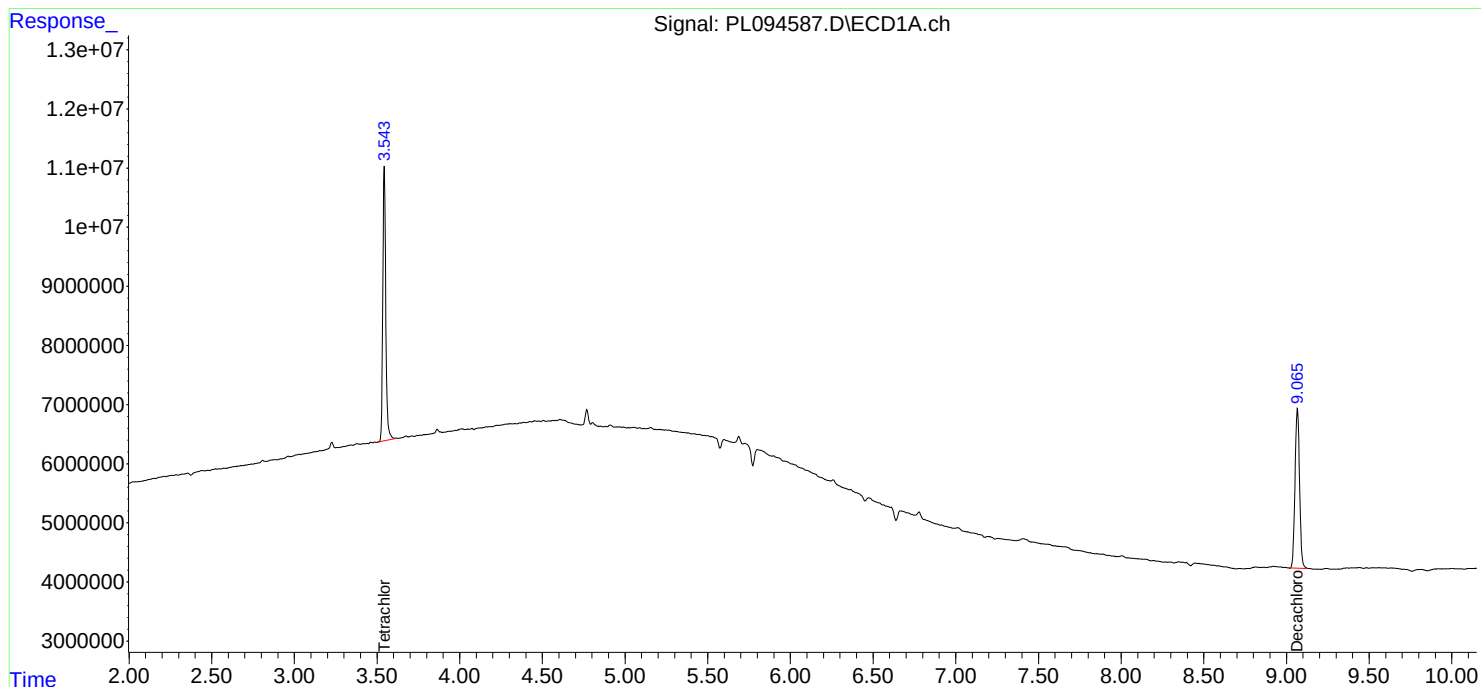
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

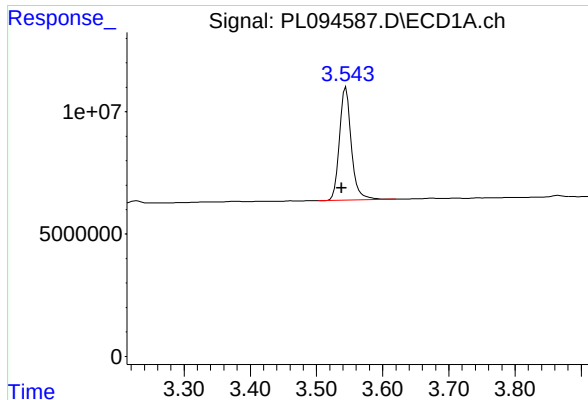
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:03:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

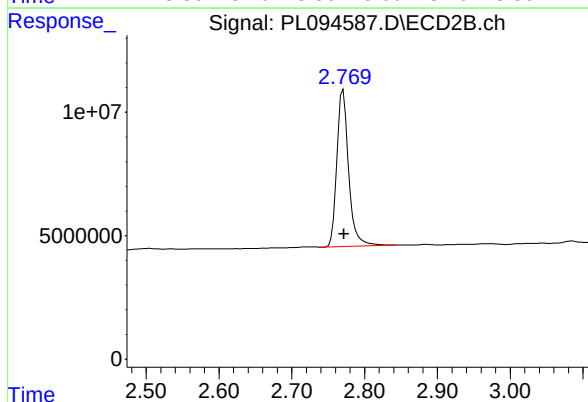




#1 Tetrachloro-m-xylene

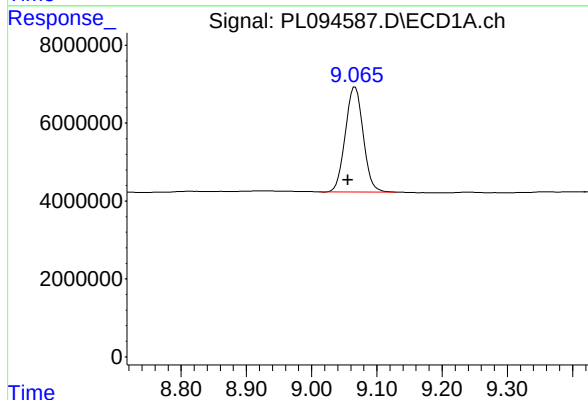
R.T.: 3.544 min
Delta R.T.: 0.006 min
Response: 57535639
Conc: 20.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



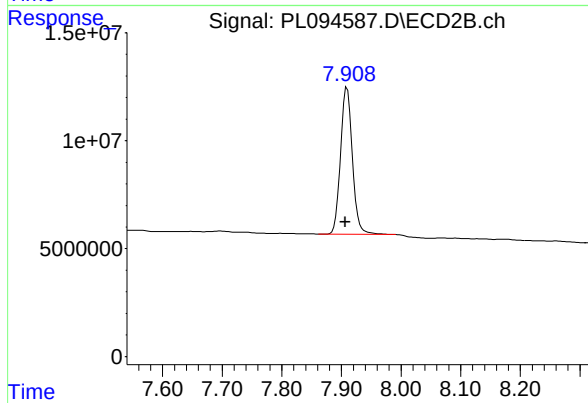
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 71165515
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.011 min
Response: 51437209
Conc: 24.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.003 min
Response: 93759736
Conc: 23.21 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/11/25	
Project:	NJ Waste Water PT		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094597.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094597.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094597.D	1		03/11/25	pl031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.0		43 - 140	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		77 - 126	106%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/11/25	
Project:	NJ Waste Water PT		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094597.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094597.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094597.D	1		03/11/25	pl031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:04:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.770	59714722	73112893	21.096	20.484
28) SA Decachlor...	9.053	7.905	50558256	95332442	23.990	23.601

Target Compounds

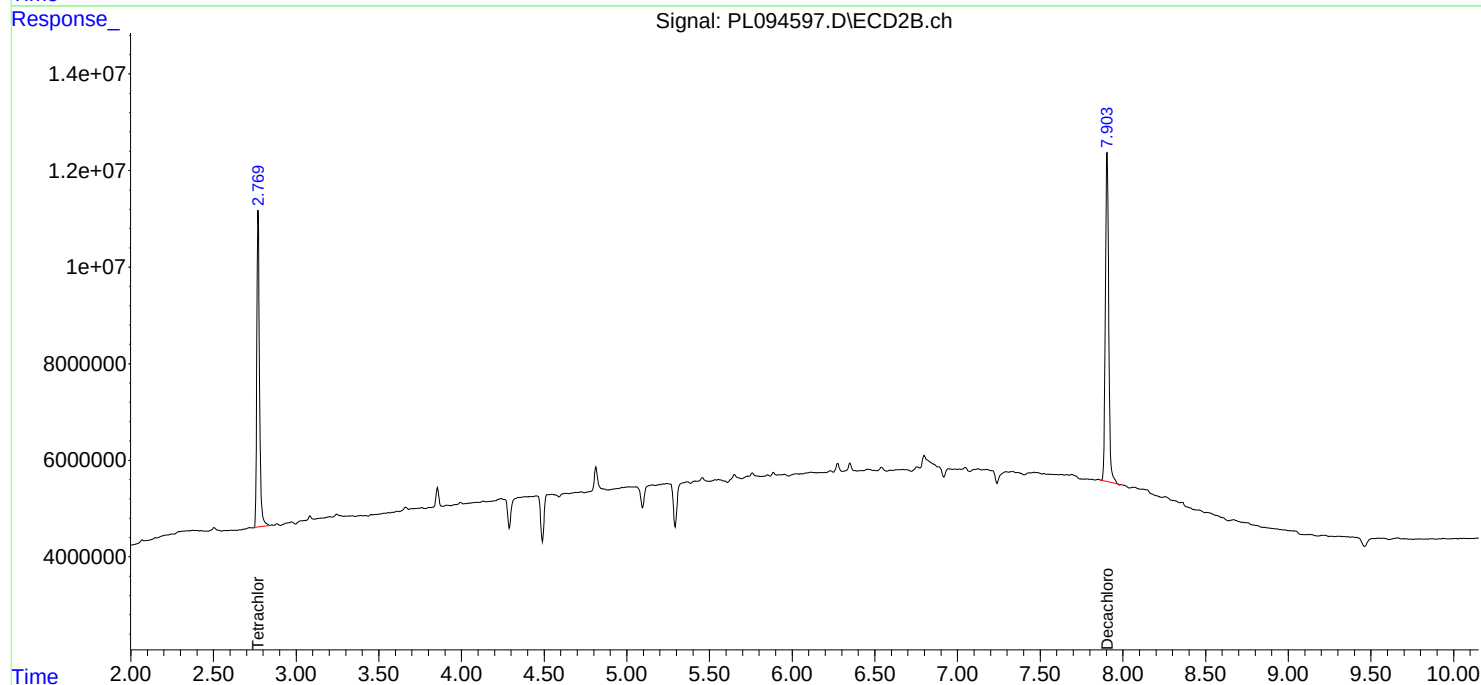
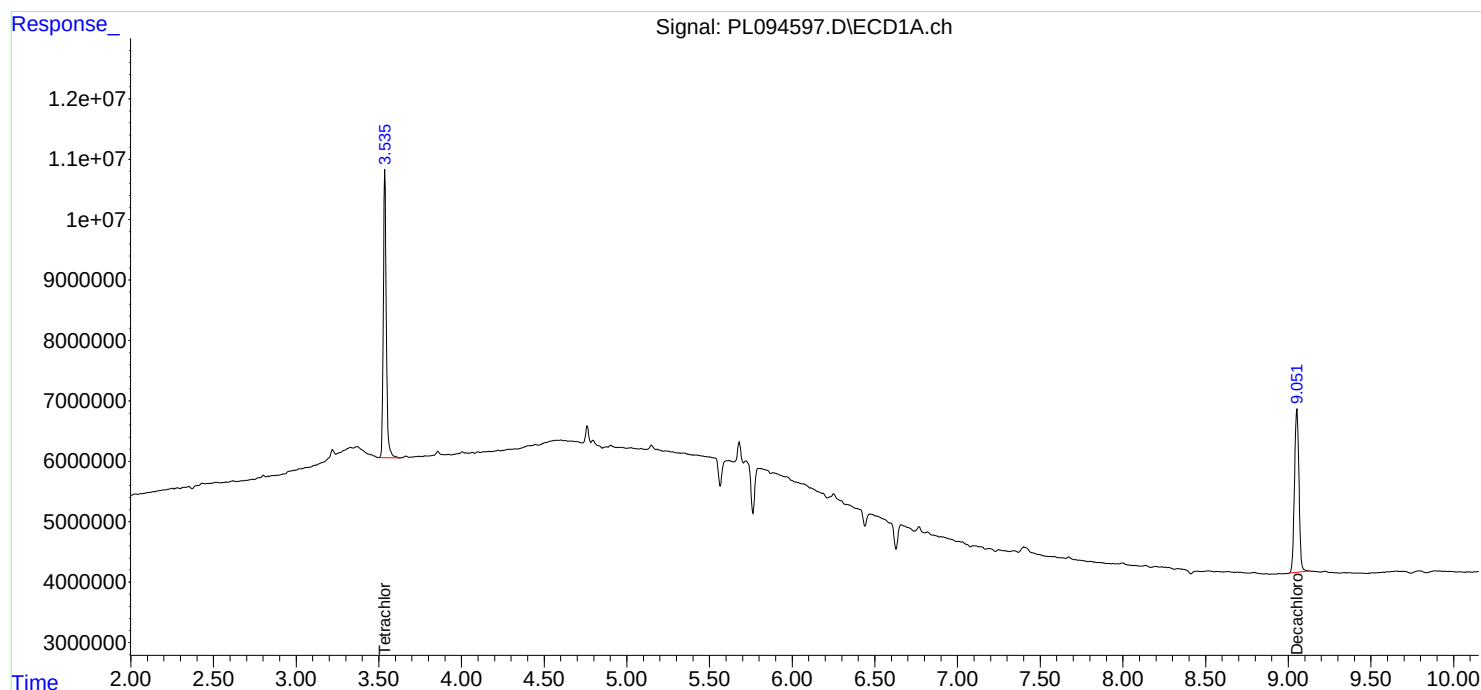
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

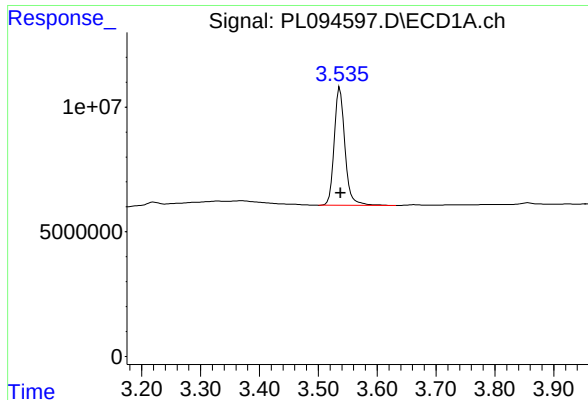
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:52
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:04:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

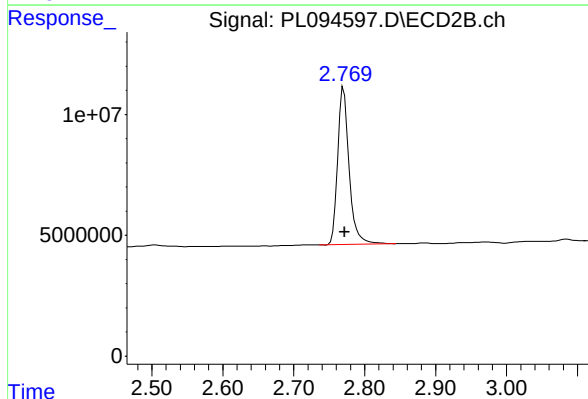




#1 Tetrachloro-m-xylene

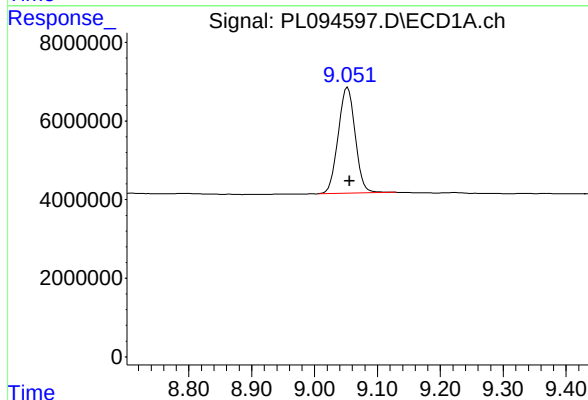
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 59714722
Conc: 21.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



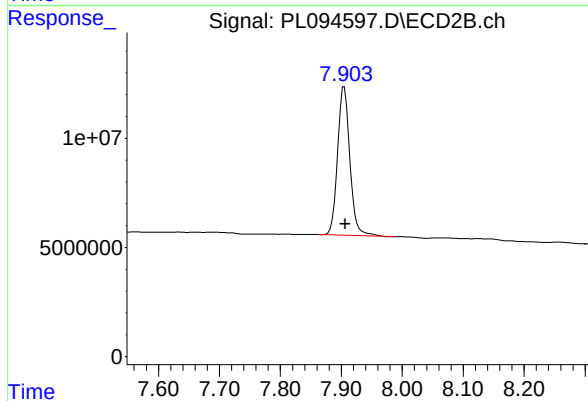
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 73112893
Conc: 20.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 50558256
Conc: 23.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 95332442
Conc: 23.60 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/12/25	
Project:	NJ Waste Water PT			Date Received:	03/12/25	
Client Sample ID:	PIBLK-PL094628.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094628.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094628.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		43 - 140	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		77 - 126	106%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/12/25	
Project:	NJ Waste Water PT		Date Received:	03/12/25	
Client Sample ID:	PIBLK-PL094628.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094628.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094628.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094628.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 11:14
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 13:27:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.771	60056031	74706155	21.216	20.930
28) SA Decachlor...	9.053	7.905	50405857	92543340	23.918	22.910

Target Compounds

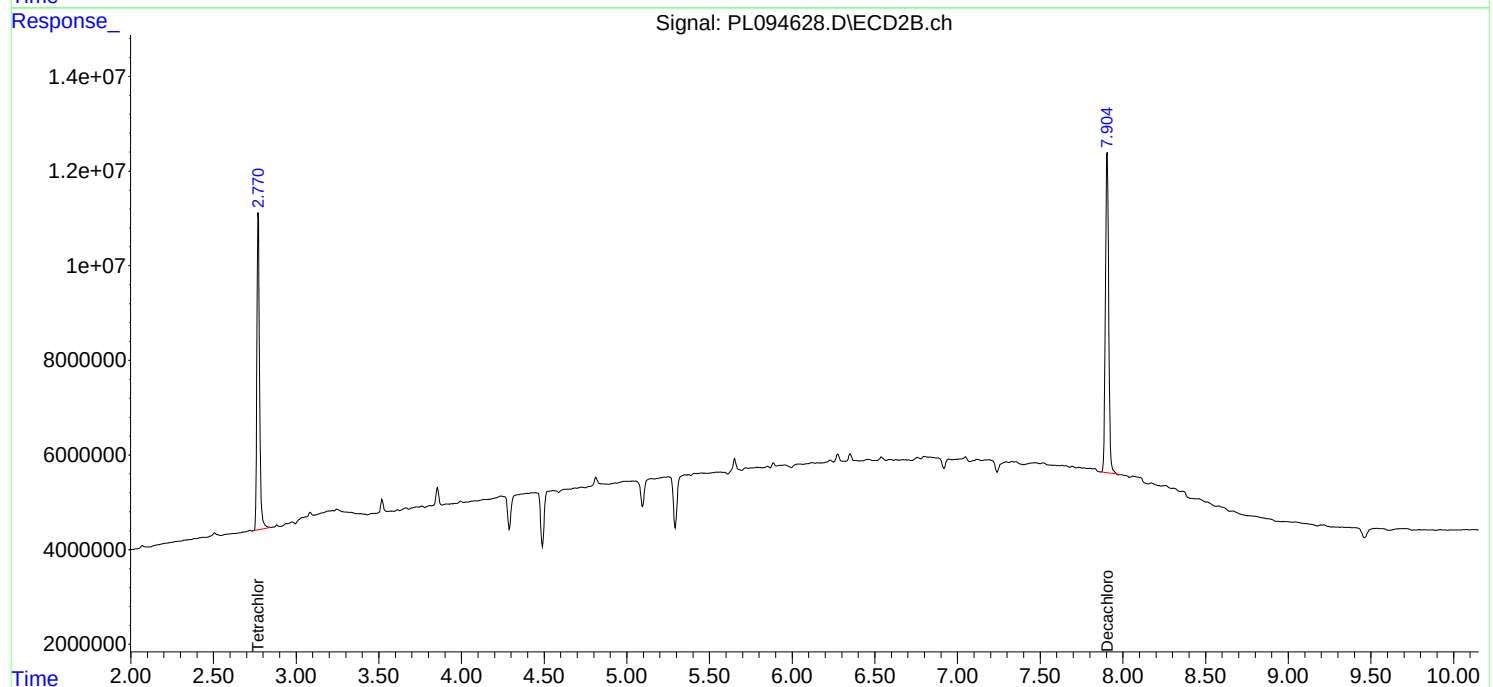
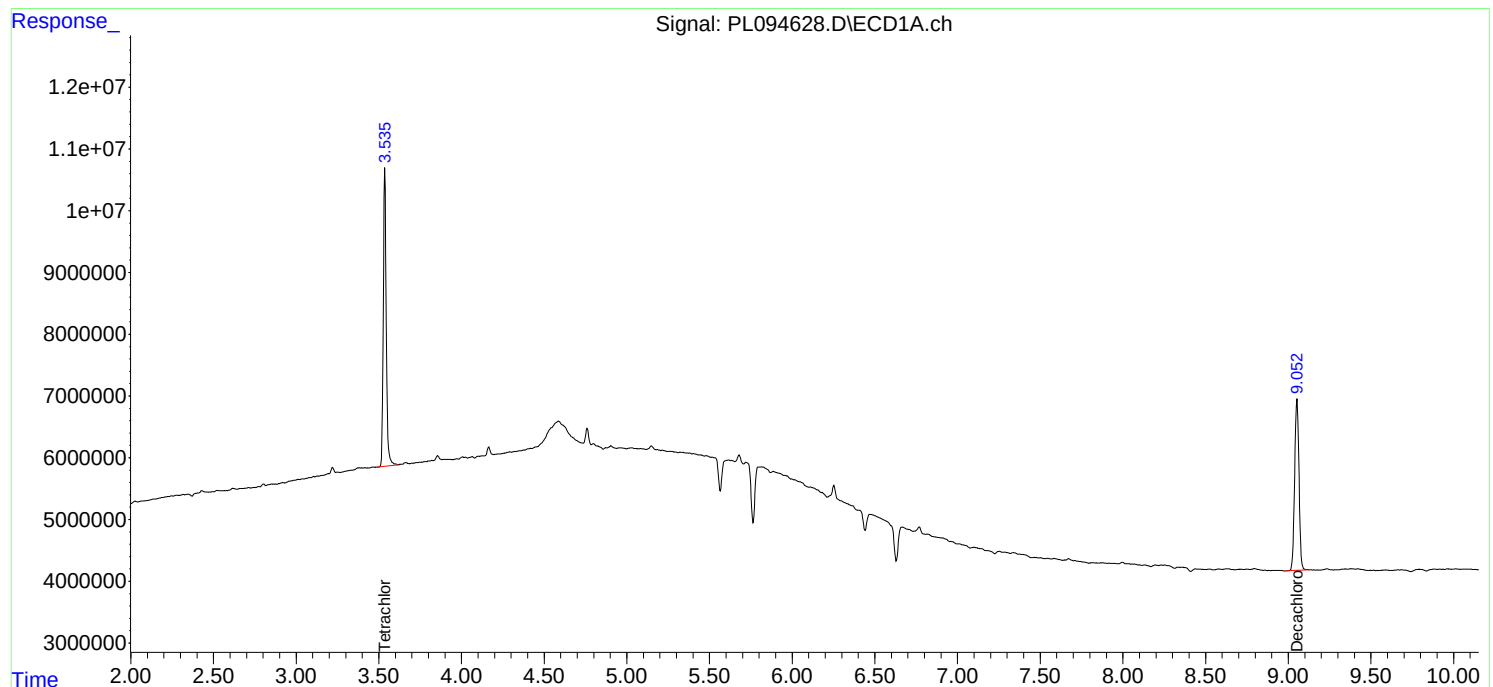
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

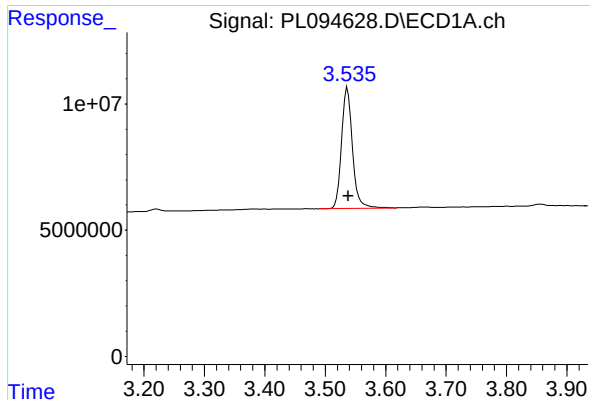
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 11:14
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 13:27:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

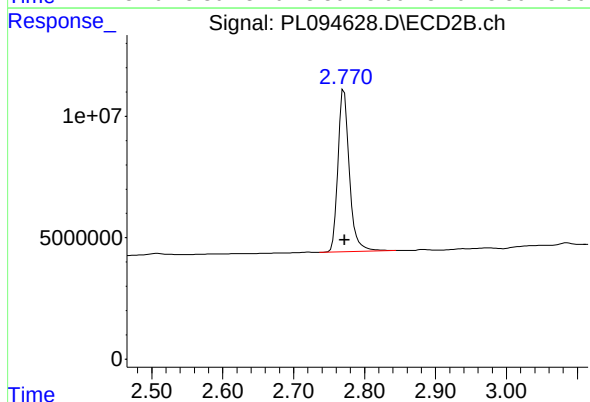




#1 Tetrachloro-m-xylene

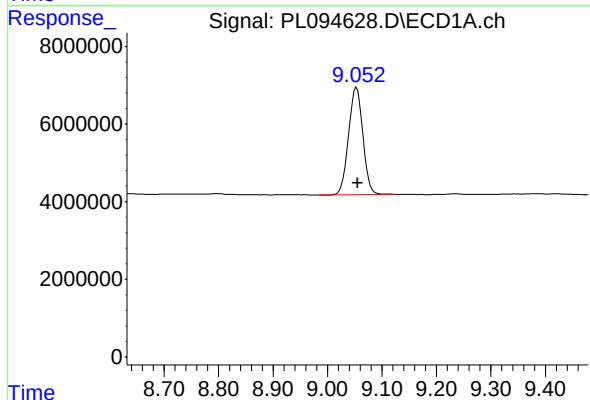
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 60056031
Conc: 21.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



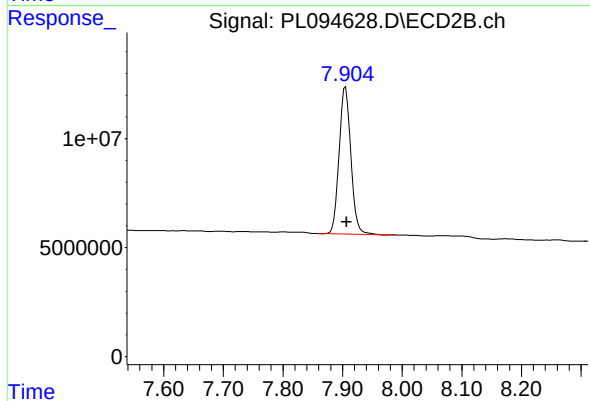
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 74706155
Conc: 20.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 50405857
Conc: 23.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 92543340
Conc: 22.91 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark			Date Collected:	03/12/25	
Project:	NJ Waste Water PT			Date Received:	03/12/25	
Client Sample ID:	PIBLK-PL094639.D			SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094639.D			Matrix:	WATER	
Analytical Method:	SW8081			% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PESTICIDE Group1	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094639.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.1		43 - 140	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		77 - 126	105%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	03/12/25	
Project:	NJ Waste Water PT		Date Received:	03/12/25	
Client Sample ID:	PIBLK-PL094639.D		SDG No.:	Q1502	
Lab Sample ID:	I.BLK-PL094639.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094639.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094639.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 15:35
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:34:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.771	59508773	74819020	21.023	20.962
28) SA Decachlor...	9.059	7.906	50811180	96286768	24.110	23.837

Target Compounds

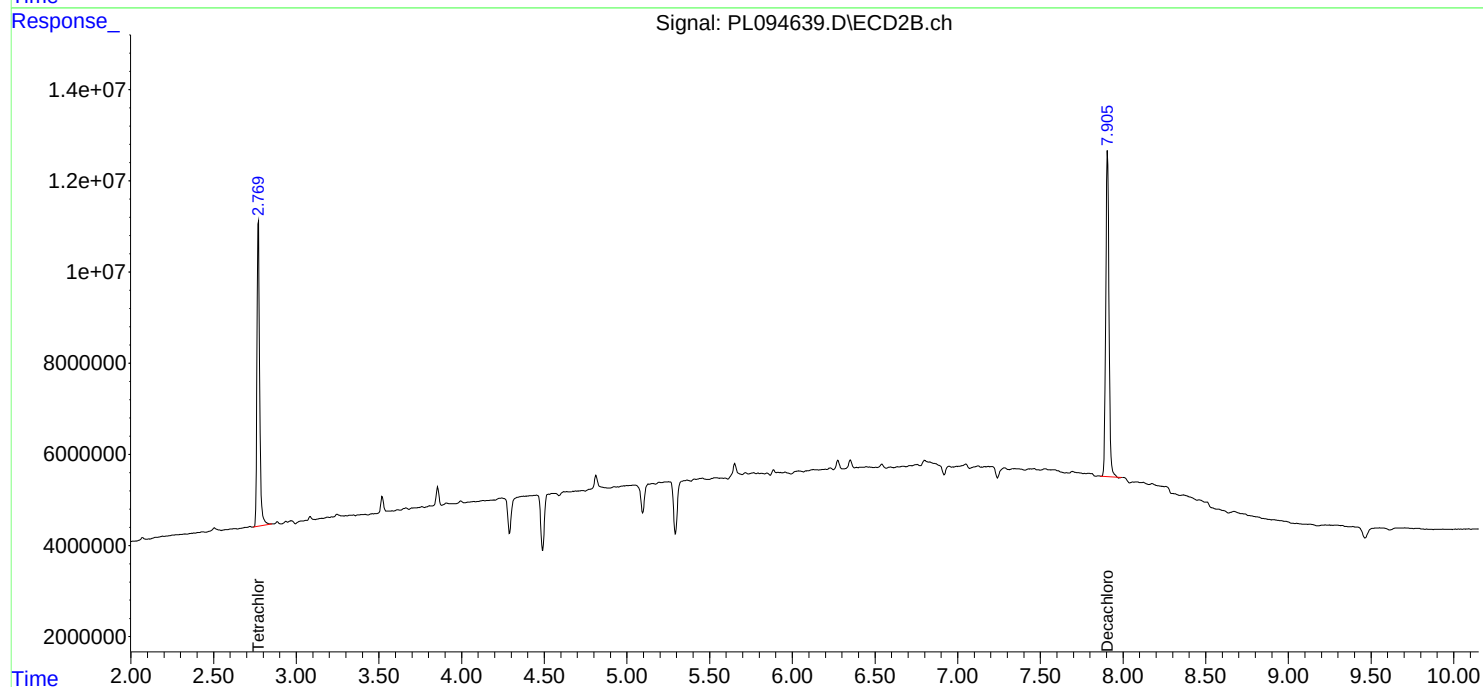
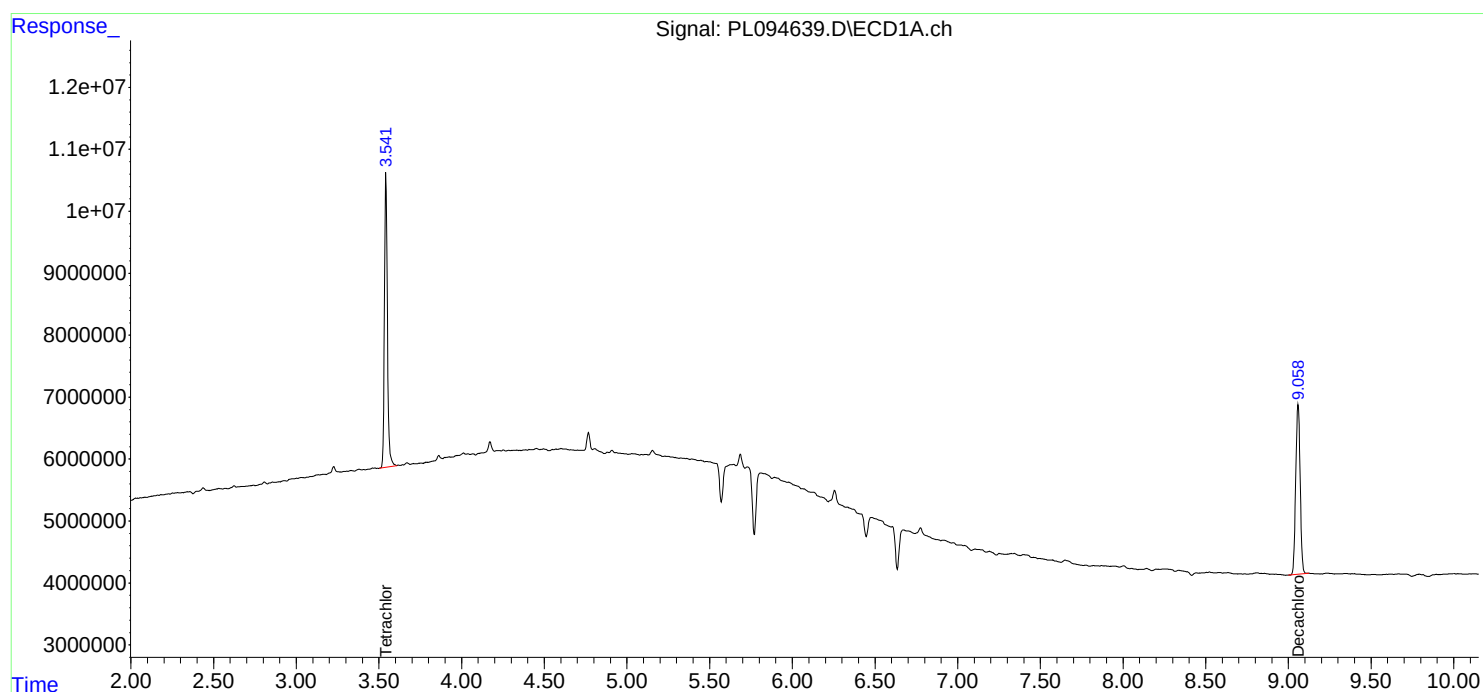
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

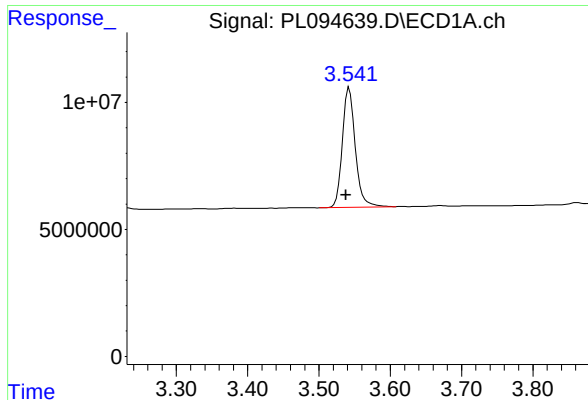
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094639.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:34:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

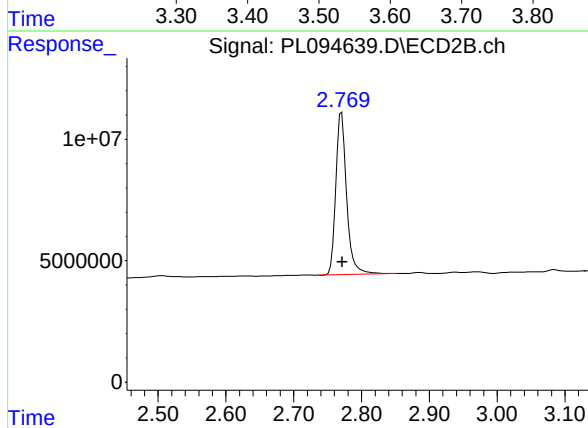




#1 Tetrachloro-m-xylene

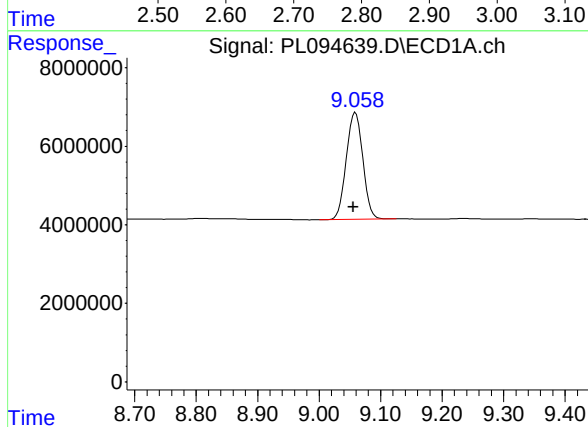
R.T.: 3.543 min
Delta R.T.: 0.005 min
Response: 59508773
Conc: 21.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



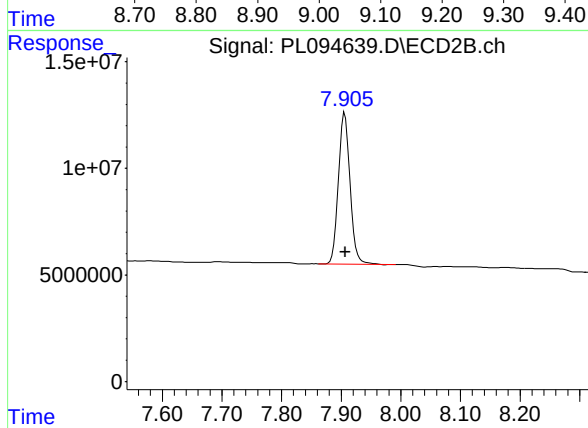
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 74819020
Conc: 20.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.003 min
Response: 50811180
Conc: 24.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 96286768
Conc: 23.84 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167076BS	SDG No.:	Q1502
Lab Sample ID:	PB167076BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094591.D	1	03/11/25 08:39	03/11/25 18:11	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.45		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.46		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.47		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.46		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0027	0.050	ug/L
309-00-2	Aldrin	0.47		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.48		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.48		0.0037	0.050	ug/L
72-20-8	Endrin	0.48		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.49		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.50		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.49		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.51		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.48		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.47		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.47		0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.8		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	97%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB167076BS		SDG No.:	Q1502	
Lab Sample ID:	PB167076BS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094591.D	1	03/11/25 08:39	03/11/25 18:11	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094591.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 18:11
 Operator : AR\AJ
 Sample : PB167076BS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167076BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 03:02:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	54638336	65390140	19.302	18.320
28) SA Decachlor...	9.054	7.906	48036391	90285577	22.794	22.351
Target Compounds						
2) A alpha-BHC	3.994	3.274	183.6E6	244.4E6	44.223	45.323
3) MA gamma-BHC...	4.325	3.604	177.4E6	235.1E6	44.448m	45.742
4) MA Heptachlor	4.914	3.941	176.5E6	245.2E6	45.470	46.539
5) MB Aldrin	5.256	4.220	167.2E6	226.9E6	45.289	46.522
6) B beta-BHC	4.525	3.904	80404348	102.9E6	43.574	46.313
7) B delta-BHC	4.772	4.132	184.3E6	230.9E6	47.329	46.171
8) B Heptachlo...	5.682	4.723	155.2E6	219.0E6	46.409	47.827
9) A Endosulfan I	6.068	5.093	144.1E6	211.3E6	46.927	48.154
10) B gamma-Chl...	5.938	4.973	156.4E6	228.4E6	46.429	47.298
11) B alpha-Chl...	6.017	5.036	152.8E6	225.7E6	46.345	47.288
12) B 4,4'-DDE	6.192	5.225	140.5E6	222.4E6	47.770	47.848
13) MA Dieldrin	6.343	5.356	150.4E6	232.8E6	47.038	47.992
14) MA Endrin	6.571	5.633	126.3E6	208.4E6	45.568m	47.761
15) B Endosulfa...	6.793	5.928	128.2E6	210.8E6	47.240	48.706
16) A 4,4'-DDD	6.709	5.781	104.6E6	176.4E6	48.303	49.059
17) MA 4,4'-DDT	7.022	6.031	115.0E6	197.5E6	48.365	48.994
18) B Endrin al...	6.923	6.107	99578921	162.7E6	47.172	48.343
19) B Endosulfa...	7.158	6.330	116.4E6	204.5E6	47.863	50.212
20) A Methoxychlor	7.499	6.606	59059881	104.5E6	49.337	49.280
21) B Endrin ke...	7.643	6.835	129.5E6	244.2E6	48.982	51.171
22) Mirex	8.116	7.015	97934964	185.9E6	47.397	48.974

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:11
Operator : AR\AJ
Sample : PB167076BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167076BS

Manual Integrations

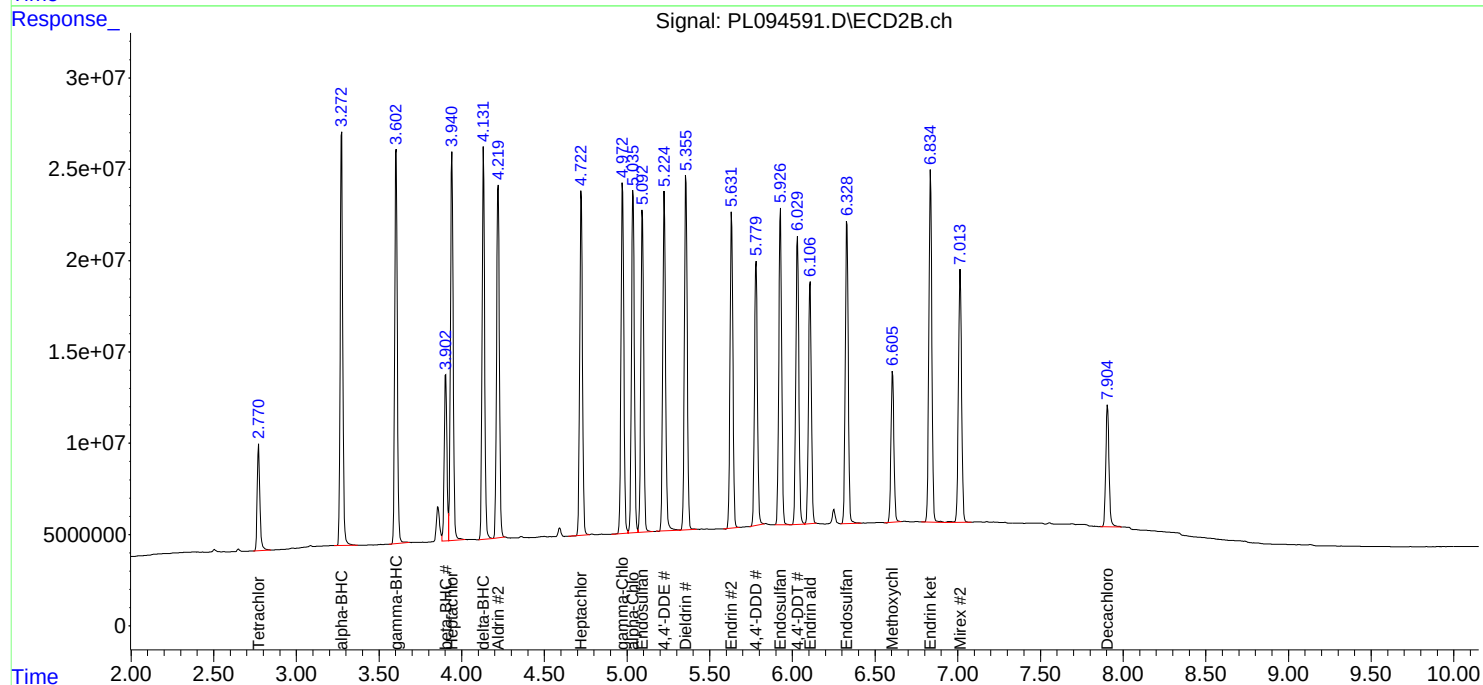
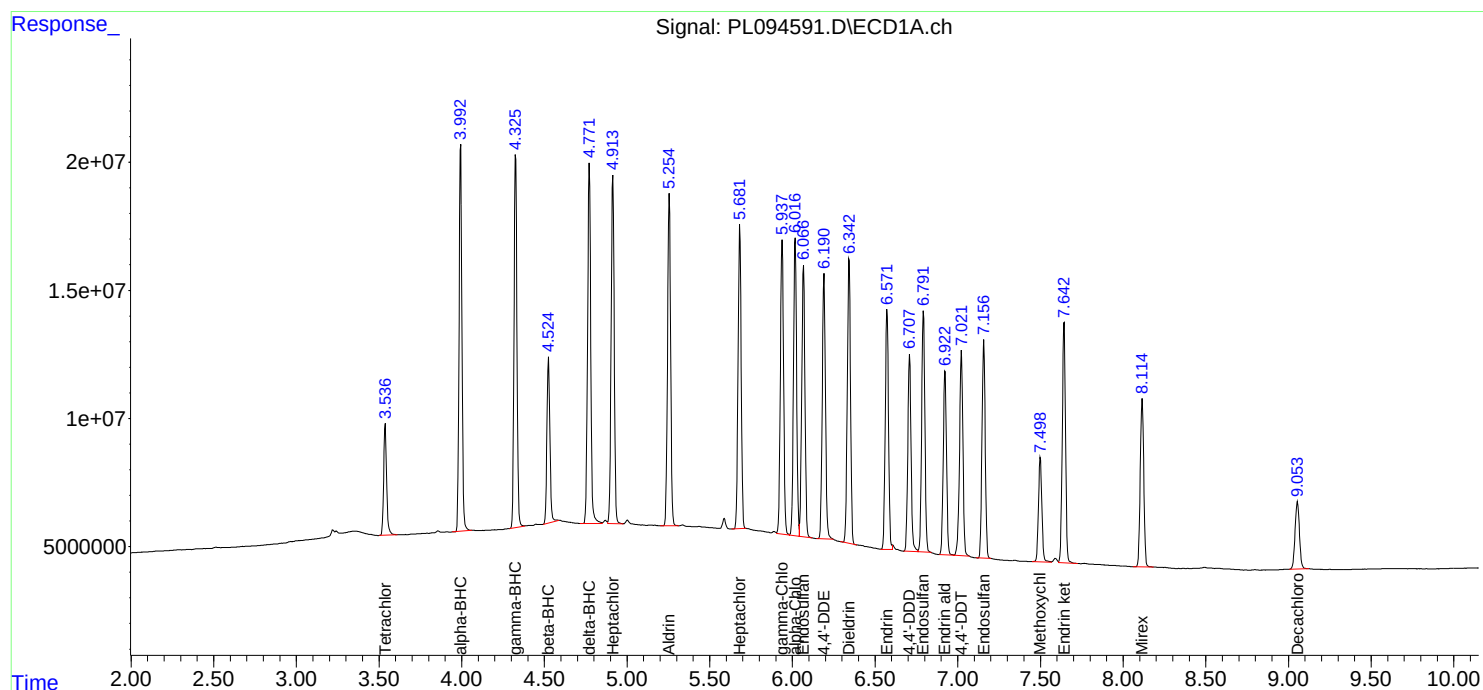
APPROVED

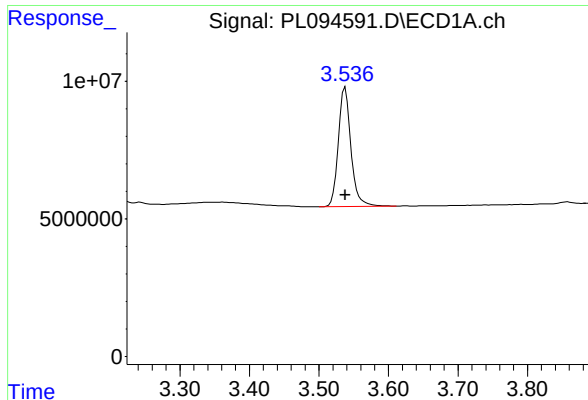
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





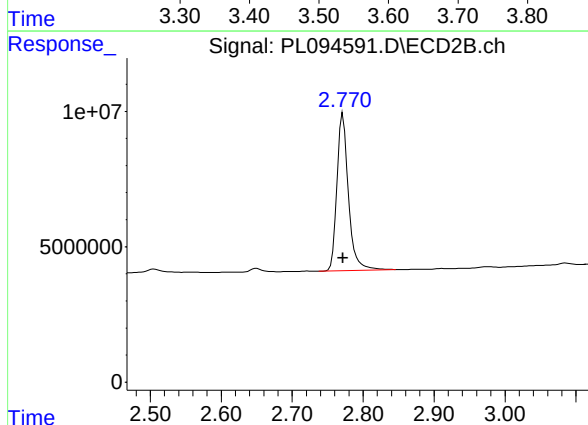
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 54638336
Conc: 19.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

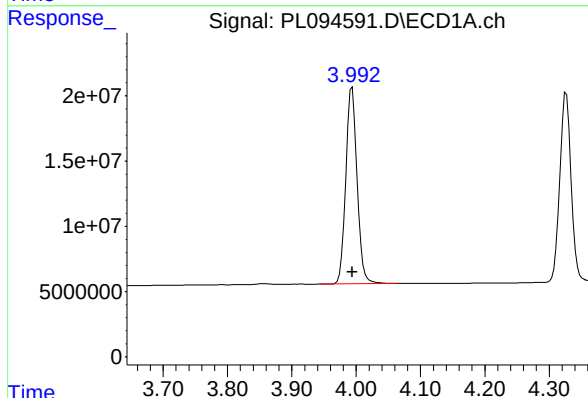
Manual Integrations
APPROVED

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



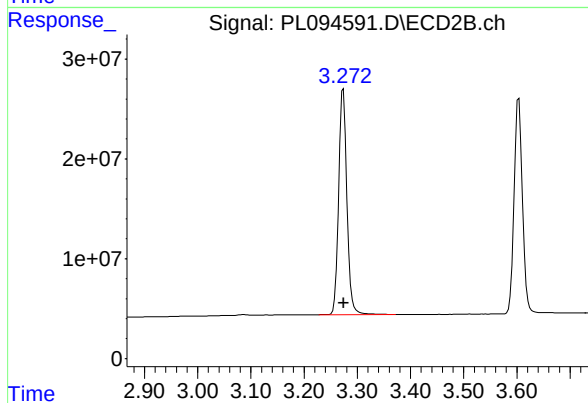
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 65390140
Conc: 18.32 ng/ml



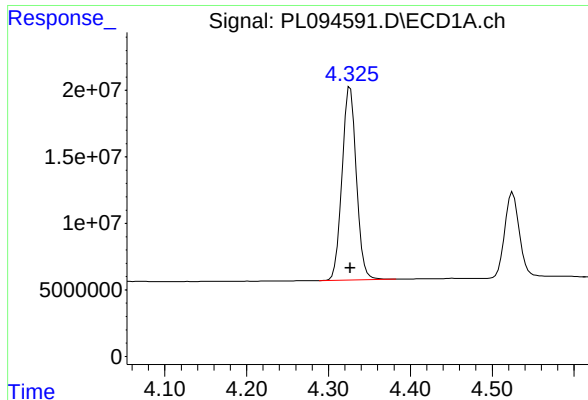
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 183628302
Conc: 44.22 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 244351502
Conc: 45.32 ng/ml



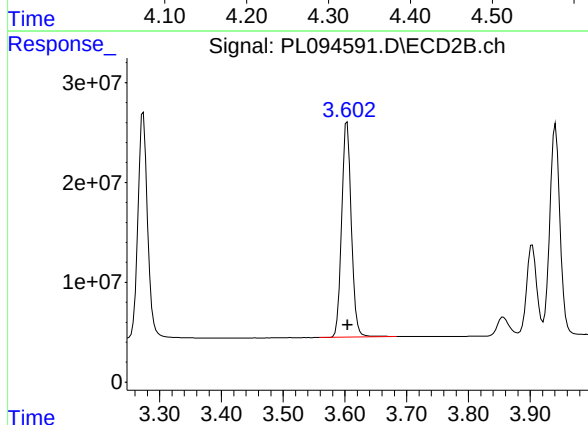
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 177357536
Conc: 44.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

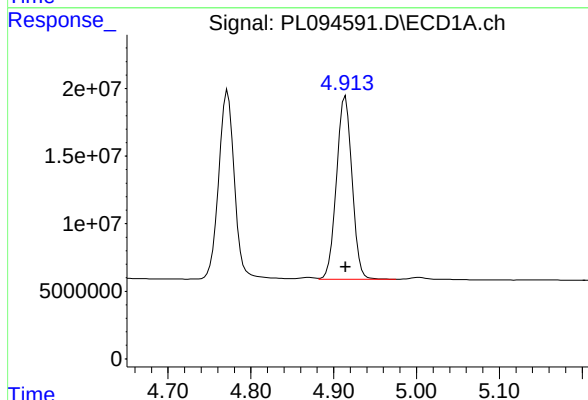
**Manual Integrations
APPROVED**

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



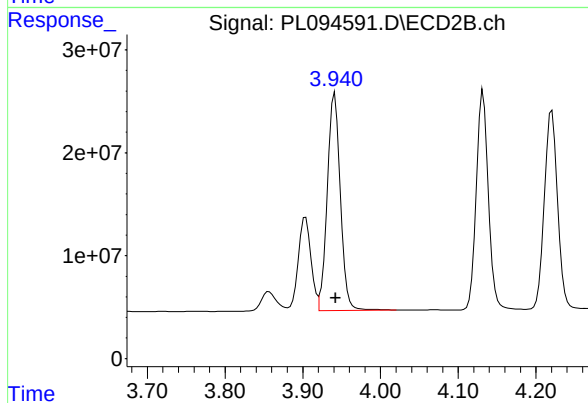
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: 0.000 min
Response: 235090408
Conc: 45.74 ng/ml



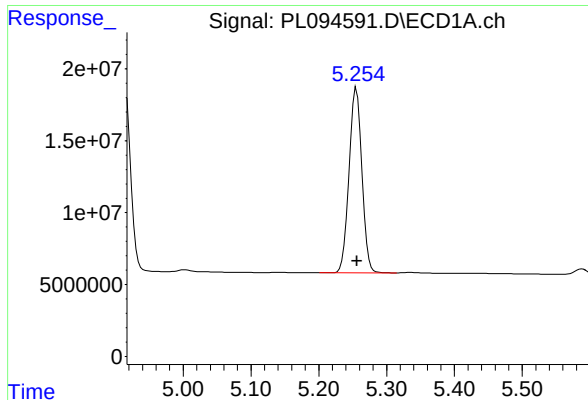
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 176495920
Conc: 45.47 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.001 min
Response: 245195170
Conc: 46.54 ng/ml



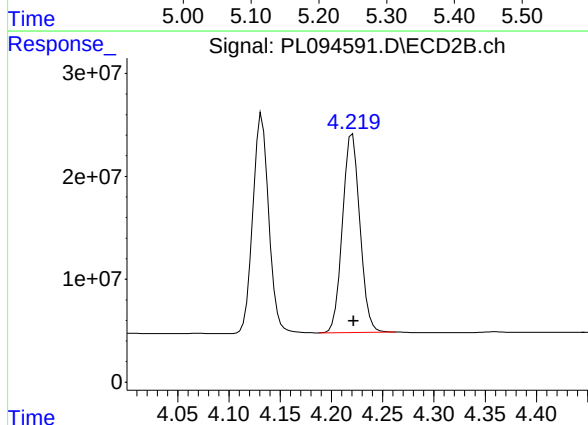
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167216595
Conc: 45.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

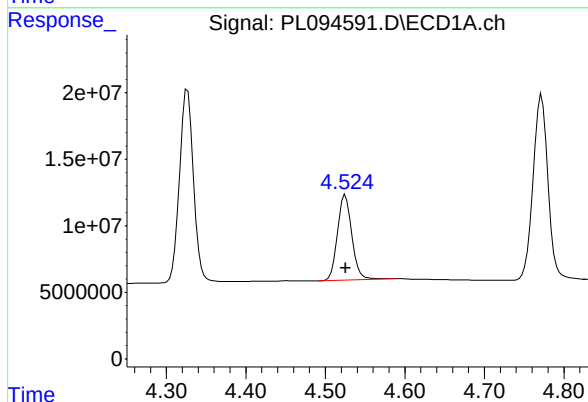
Manual Integrations
APPROVED

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



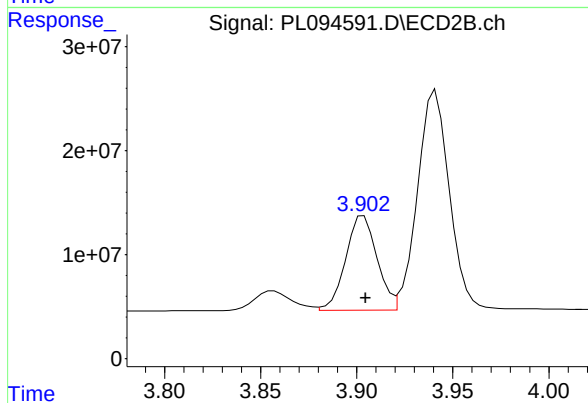
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.001 min
Response: 226858127
Conc: 46.52 ng/ml



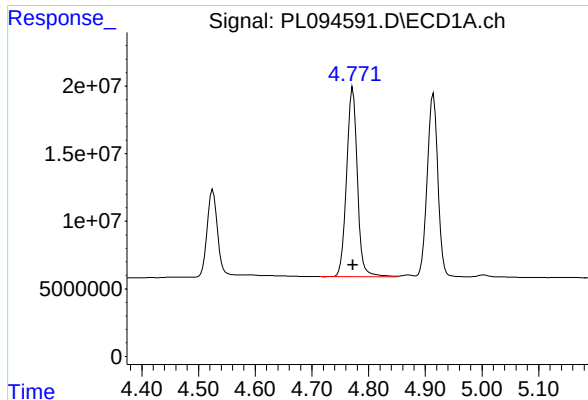
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 80404348
Conc: 43.57 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.001 min
Response: 102875717
Conc: 46.31 ng/ml



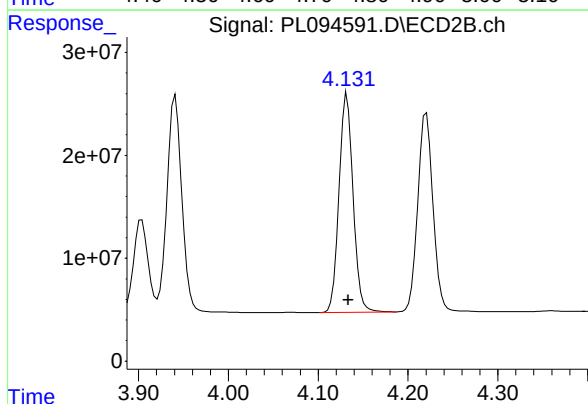
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 184314867
Conc: 47.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

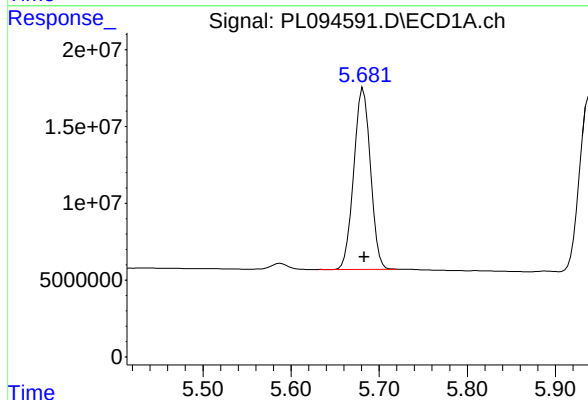
Manual Integrations
APPROVED

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



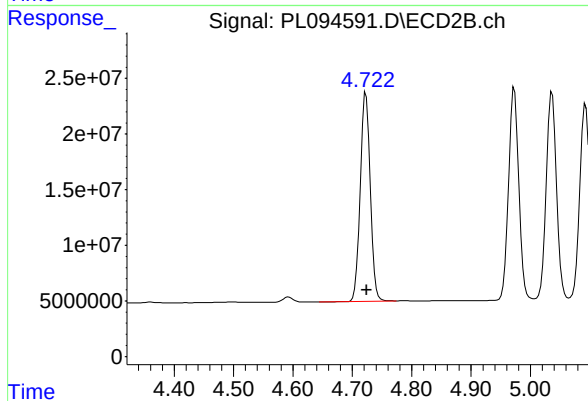
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.001 min
Response: 230947865
Conc: 46.17 ng/ml



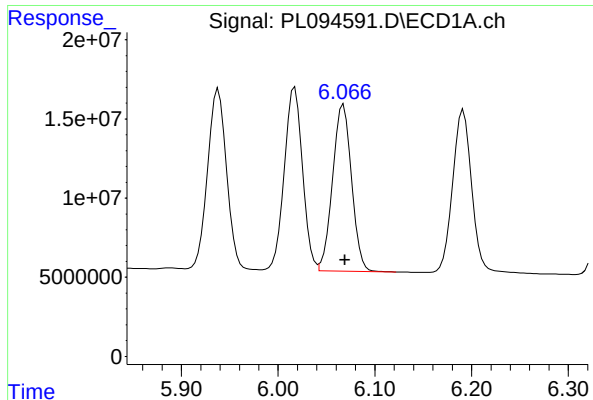
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 155246717
Conc: 46.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.002 min
Response: 218980381
Conc: 47.83 ng/ml



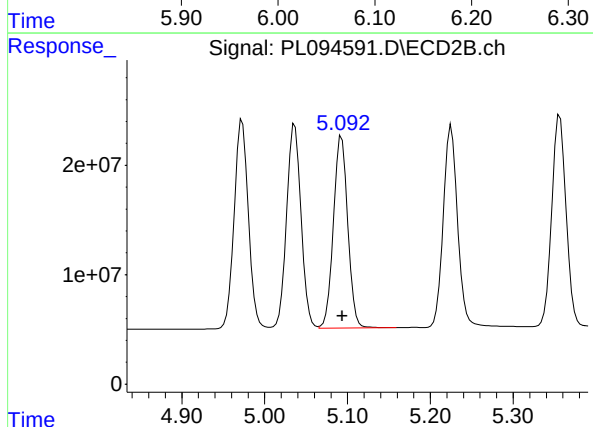
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 144074089
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

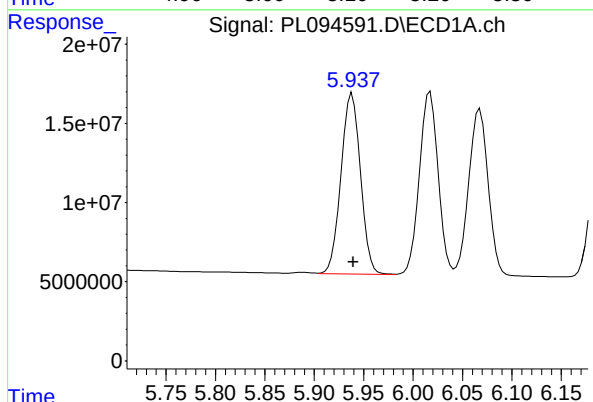
Manual Integrations
APPROVED

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



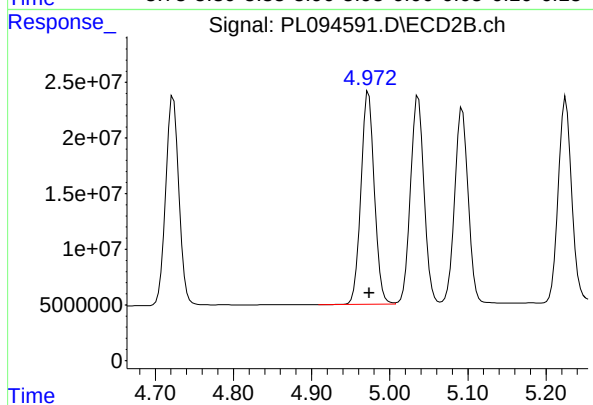
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.001 min
Response: 211334483
Conc: 48.15 ng/ml



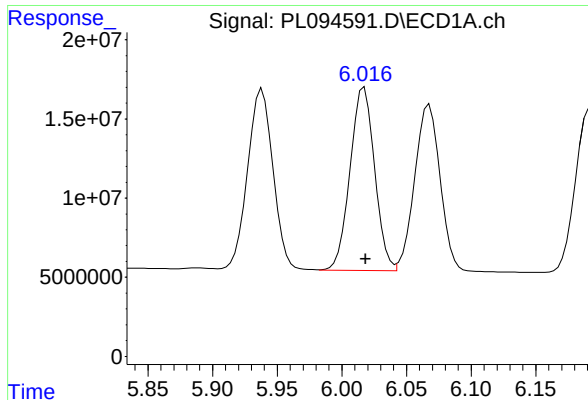
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 156436264
Conc: 46.43 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: 0.000 min
Response: 228377023
Conc: 47.30 ng/ml



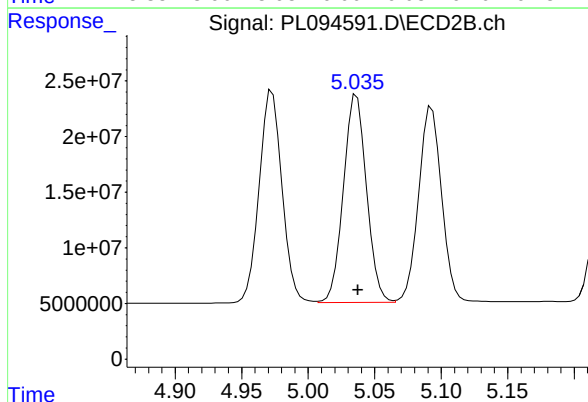
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 152791975
Conc: 46.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

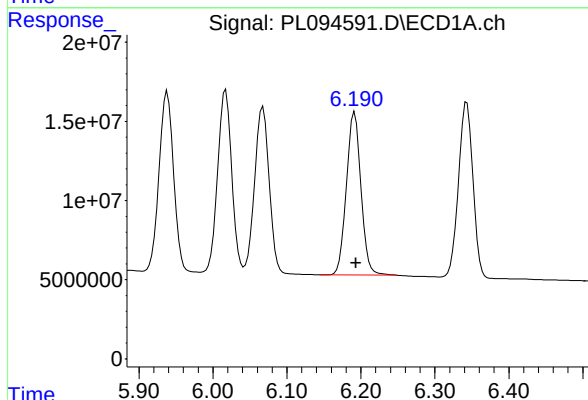
Manual Integrations
APPROVED

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



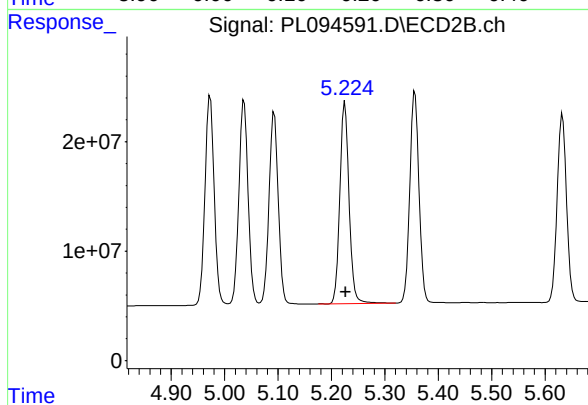
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.001 min
Response: 225692523
Conc: 47.29 ng/ml



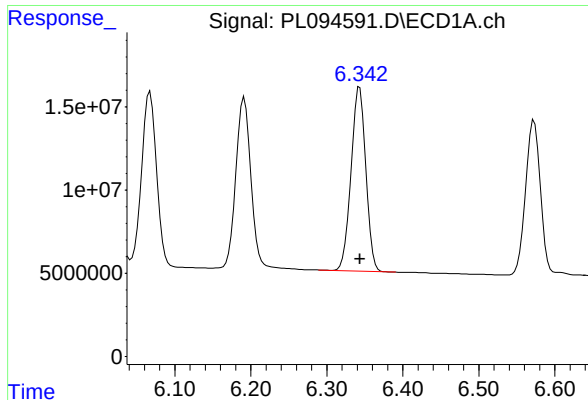
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 140542181
Conc: 47.77 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.001 min
Response: 222423939
Conc: 47.85 ng/ml



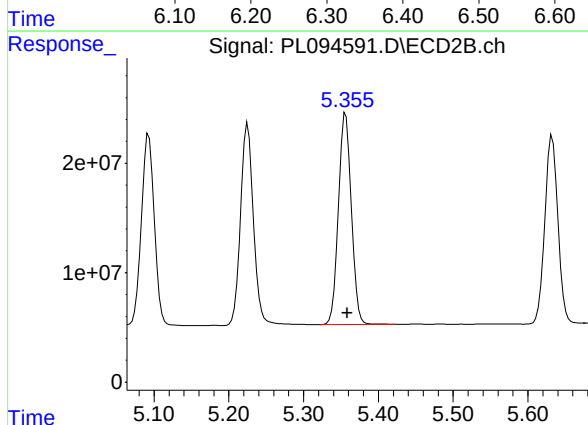
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 150433710
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

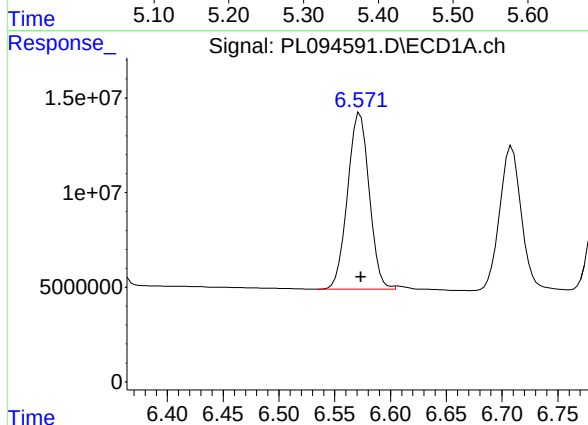
Manual Integrations
APPROVED

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



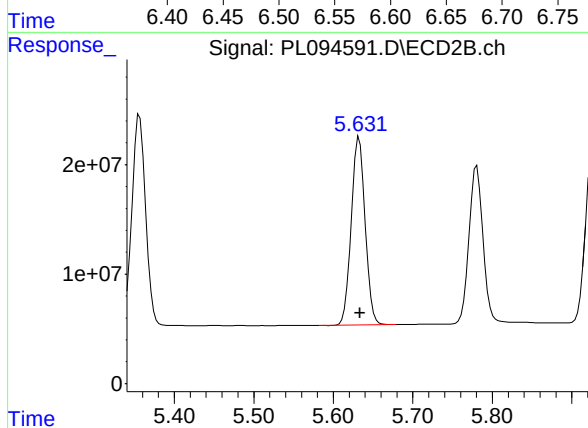
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.002 min
Response: 232848607
Conc: 47.99 ng/ml



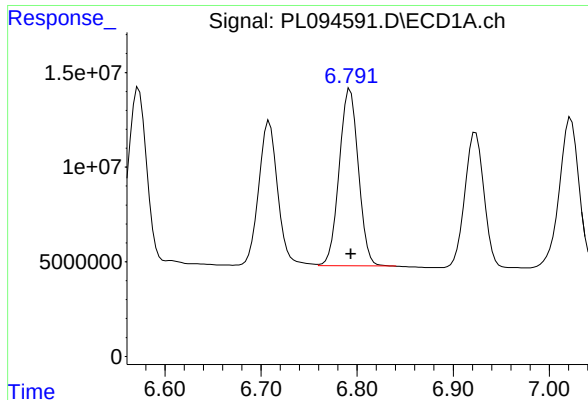
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 126318607
Conc: 45.57 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: -0.001 min
Response: 208410837
Conc: 47.76 ng/ml



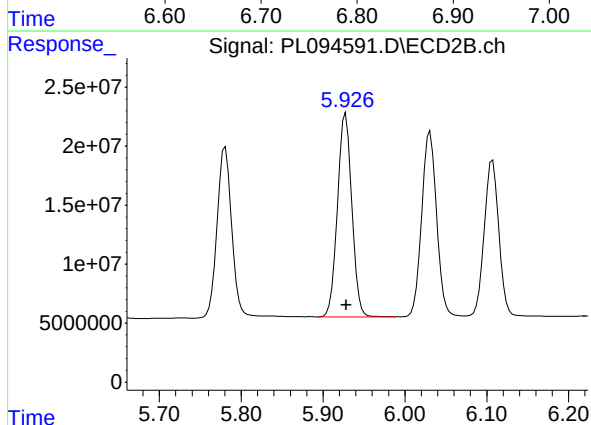
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: -0.001 min
Response: 128245504
Conc: 47.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

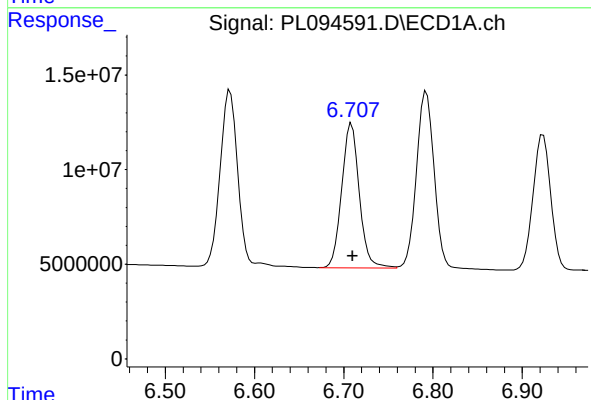
Manual Integrations
APPROVED

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



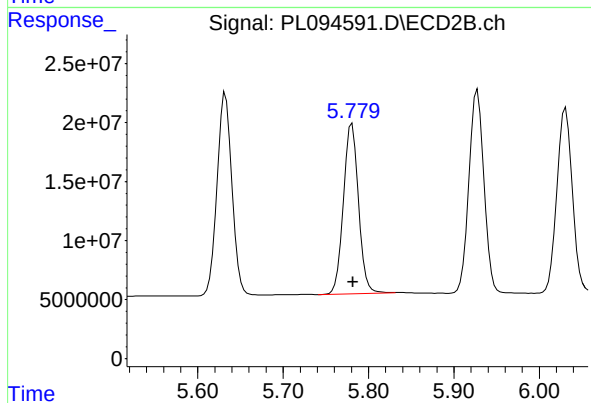
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 210810276
Conc: 48.71 ng/ml



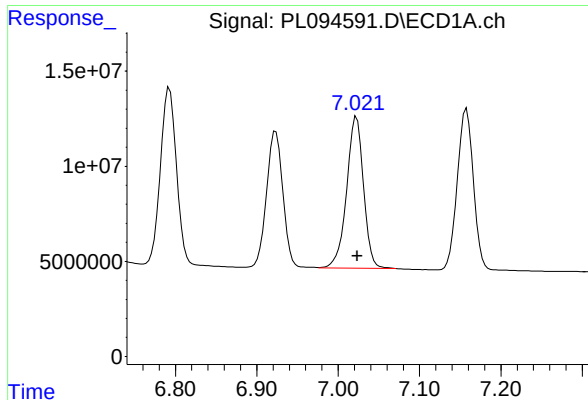
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.001 min
Response: 104627409
Conc: 48.30 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 176410468
Conc: 49.06 ng/ml



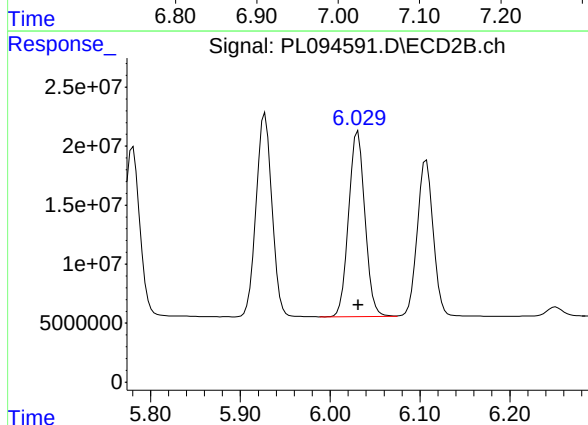
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 115037237
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

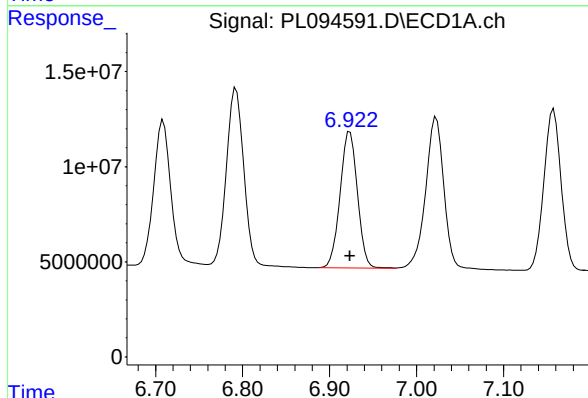
Manual Integrations
APPROVED

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



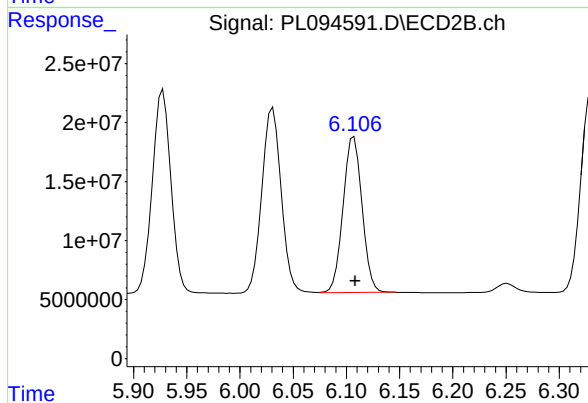
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 197548667
Conc: 48.99 ng/ml



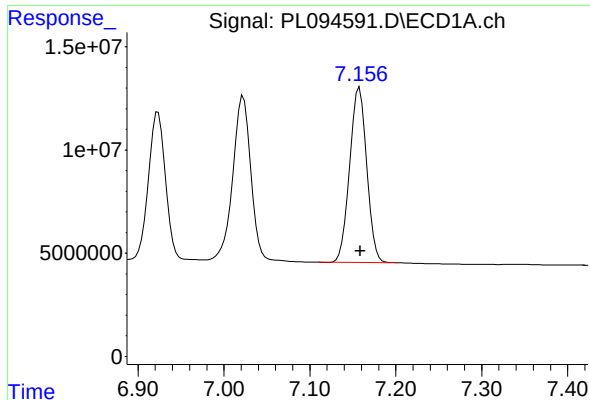
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 99578921
Conc: 47.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.001 min
Response: 162691732
Conc: 48.34 ng/ml



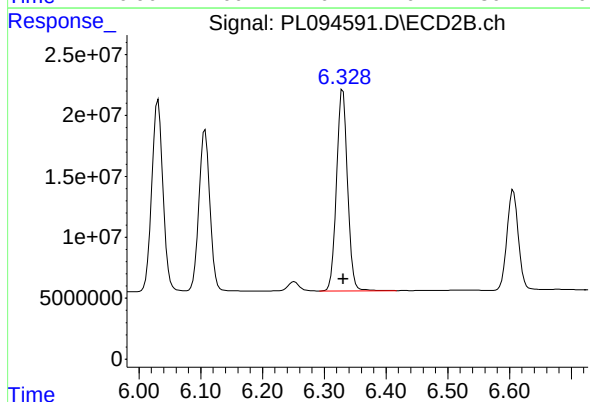
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 116403339
Conc: 47.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

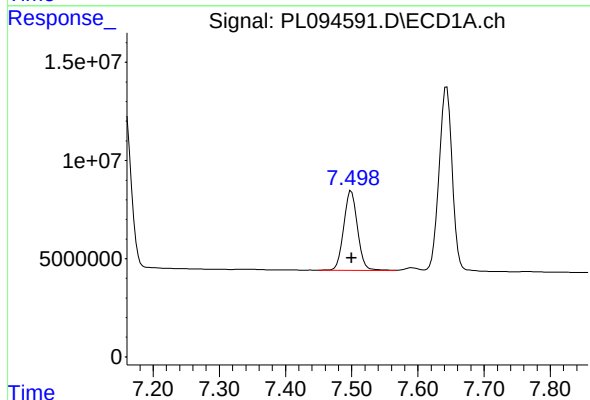
Manual Integrations
APPROVED

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



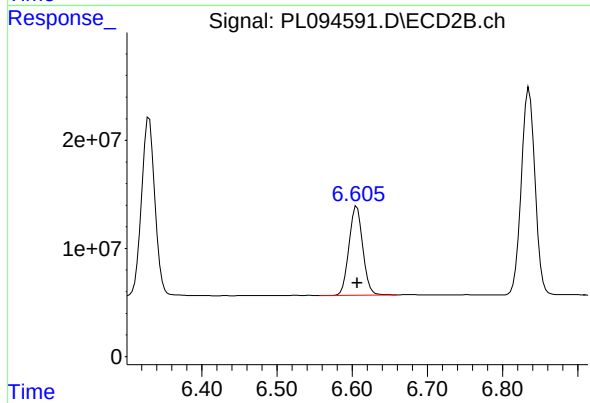
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 204536076
Conc: 50.21 ng/ml



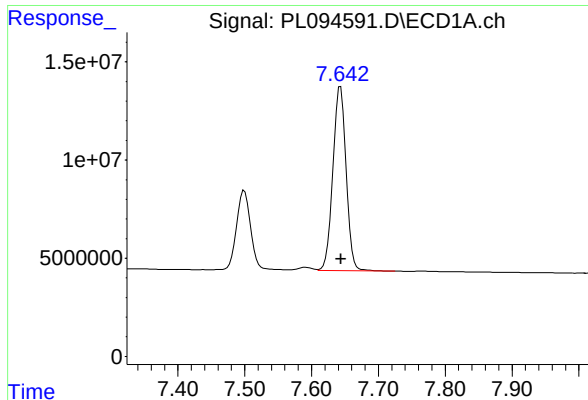
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 59059881
Conc: 49.34 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 104527046
Conc: 49.28 ng/ml



#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 129472308
Conc: 48.98 ng/ml

Instrument :

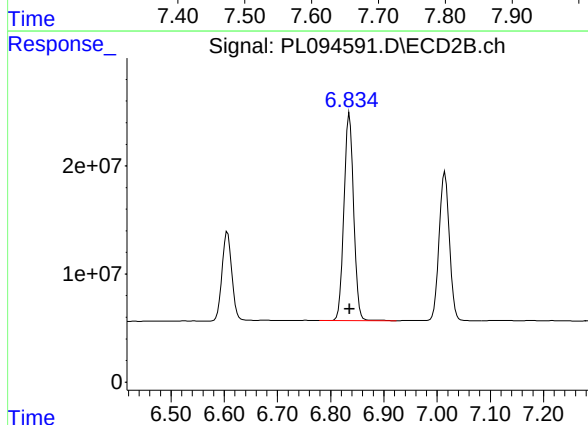
ECD_L

ClientSampleId :

PB167076BS

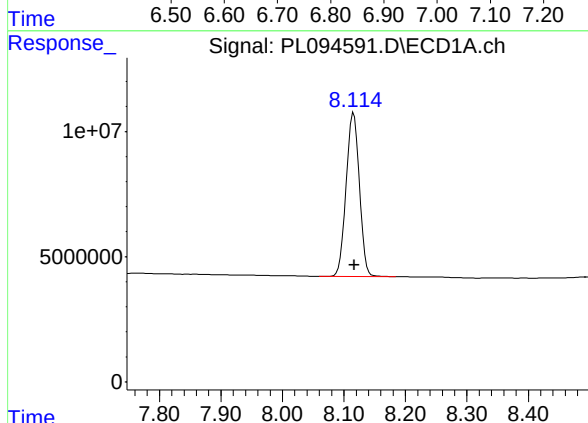
Manual Integrations
APPROVED

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



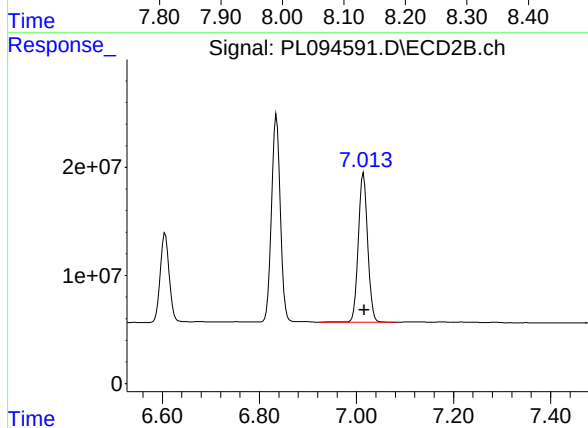
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 244219943
Conc: 51.17 ng/ml



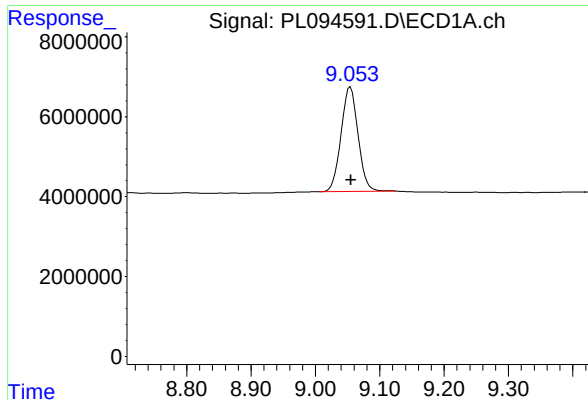
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 97934964
Conc: 47.40 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: -0.001 min
Response: 185870129
Conc: 48.97 ng/ml



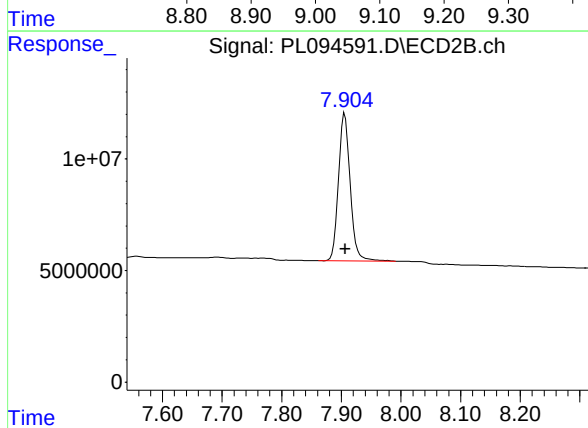
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48036391
Conc: 22.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BS

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: 0.000 min
Response: 90285577
Conc: 22.35 ng/ml

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167076BSD	SDG No.:	Q1502
Lab Sample ID:	PB167076BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094592.D	1	03/11/25 08:39	03/11/25 18:44	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.43		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.45		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.46		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.43		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.45		0.0027	0.050	ug/L
309-00-2	Aldrin	0.44		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.46		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.47		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.47		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.46		0.0037	0.050	ug/L
72-20-8	Endrin	0.47		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.48		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.49		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.51		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.48		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.46		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.46		0.0039	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		77 - 126	90%	SPK: 20

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:		
Project:	NJ Waste Water PT		Date Received:		
Client Sample ID:	PB167076BSD		SDG No.:	Q1502	
Lab Sample ID:	PB167076BSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094592.D	1	03/11/25 08:39	03/11/25 18:44	PB167076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 18:44
 Operator : AR\AJ
 Sample : PB167076BSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167076BSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 12 03:02:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.770	51115091	64283128	18.058	18.010
28) SA Decachlor...	9.062	7.907	48315844	89393078	22.926	22.131
Target Compounds						
2) A alpha-BHC	4.000	3.272	177.4E6	233.8E6	42.717	43.371
3) MA gamma-BHC...	4.331	3.602	170.6E6	222.8E6	42.758m	43.346
4) MA Heptachlor	4.920	3.940	171.9E6	236.4E6	44.294	44.874
5) MB Aldrin	5.262	4.220	163.2E6	217.0E6	44.194	44.493
6) B beta-BHC	4.531	3.903	76033578	99058913	41.206	44.595
7) B delta-BHC	4.778	4.132	179.0E6	221.6E6	45.968	44.293
8) B Heptachlo...	5.689	4.721	150.5E6	212.1E6	44.998	46.323m
9) A Endosulfan I	6.074	5.093	139.8E6	205.7E6	45.546	46.876
10) B gamma-Chl...	5.945	4.973	152.2E6	222.0E6	45.166	45.981
11) B alpha-Chl...	6.024	5.036	149.1E6	219.3E6	45.220	45.938
12) B 4,4'-DDE	6.197	5.226	136.6E6	216.0E6	46.443	46.473
13) MA Dieldrin	6.350	5.357	147.1E6	228.0E6	46.000	46.999
14) MA Endrin	6.577	5.632	123.7E6	207.0E6	44.611m	47.428m
15) B Endosulfa...	6.799	5.928	127.0E6	208.0E6	46.782	48.066
16) A 4,4'-DDD	6.716	5.781	103.3E6	172.3E6	47.677	47.907
17) MA 4,4'-DDT	7.029	6.031	111.9E6	195.2E6	47.062	48.417
18) B Endrin al...	6.929	6.107	98487276	160.7E6	46.655	47.736
19) B Endosulfa...	7.164	6.331	114.6E6	200.4E6	47.116	49.207
20) A Methoxychlor	7.505	6.607	58248980	103.2E6	48.660	48.677
21) B Endrin ke...	7.649	6.836	130.9E6	243.2E6	49.505	50.958
22) Mirex	8.122	7.015	97662787	185.6E6	47.265	48.905

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:44
Operator : AR\AJ
Sample : PB167076BSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167076BSD

Manual Integrations

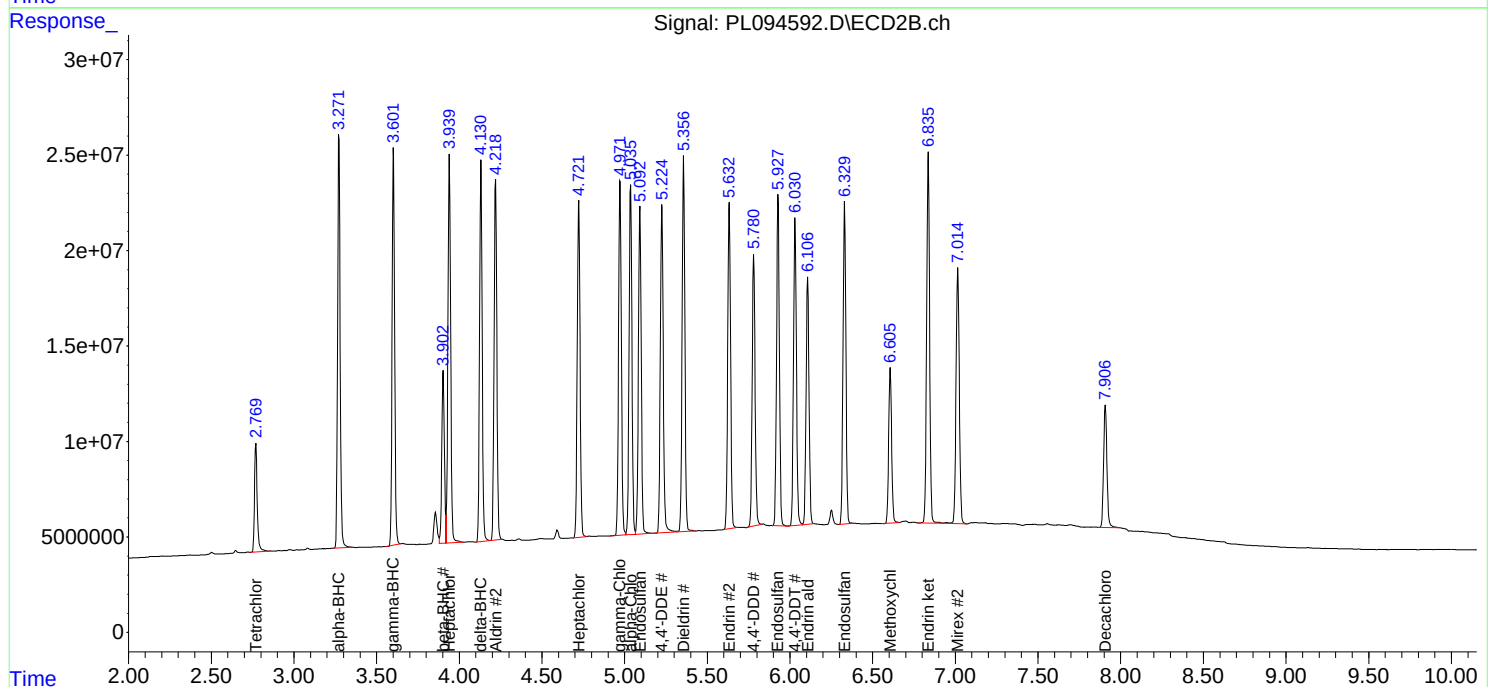
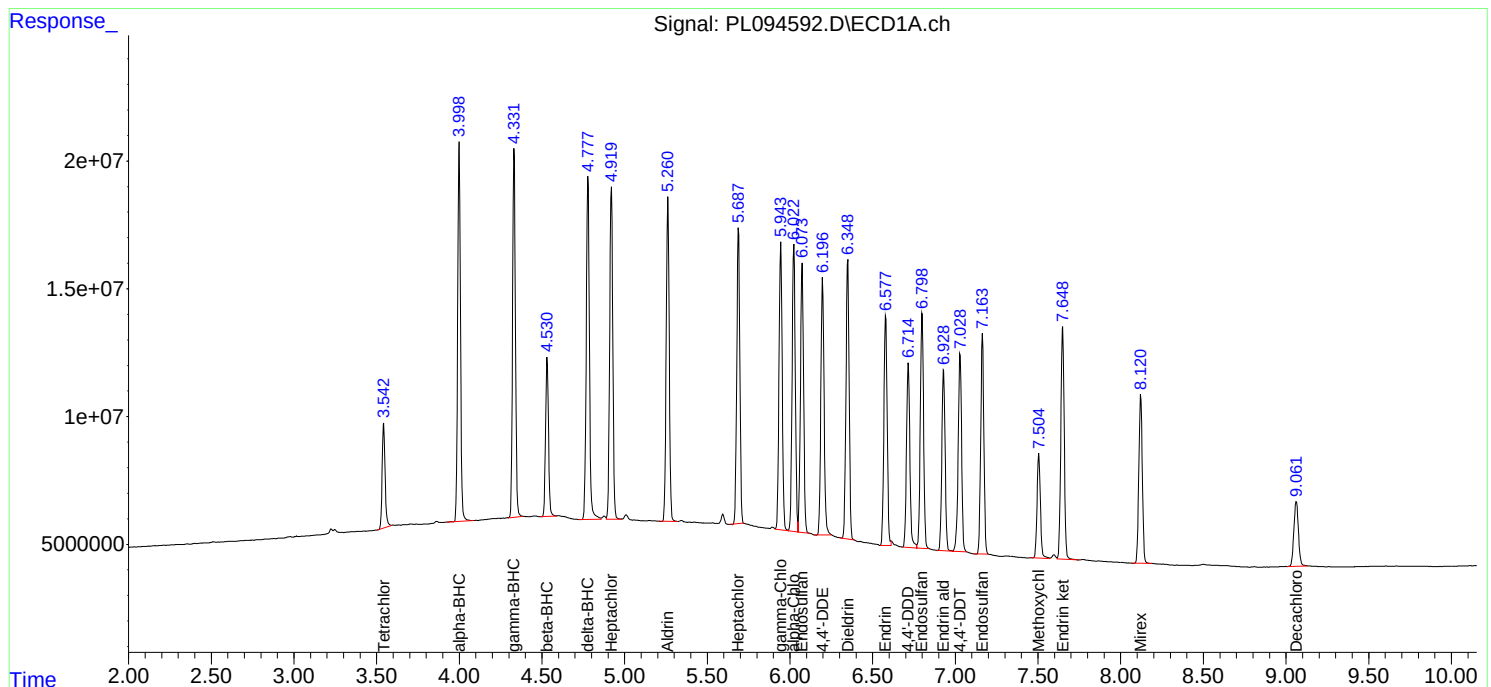
APPROVED

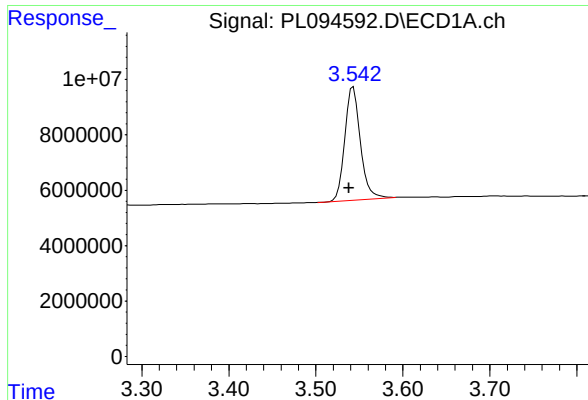
Reviewed By :Abdul Mirza 03/12/2025

Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





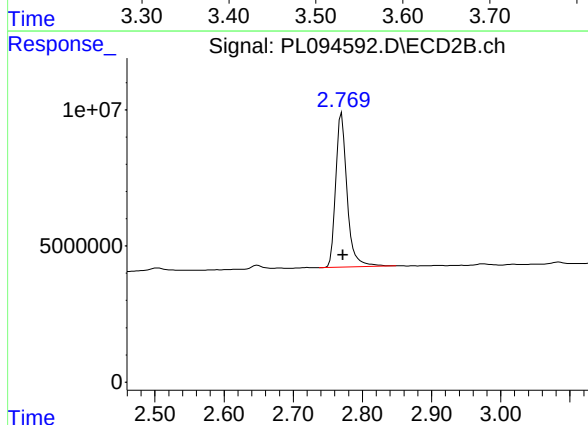
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.005 min
Response: 51115091
Conc: 18.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

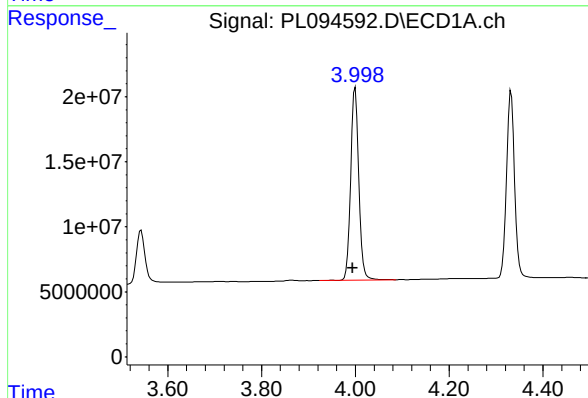
Manual Integrations
APPROVED

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



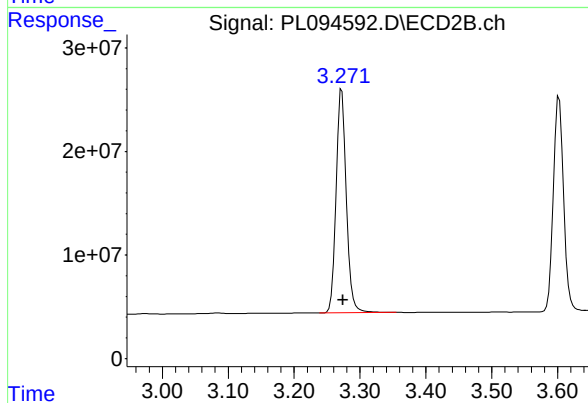
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 64283128
Conc: 18.01 ng/ml



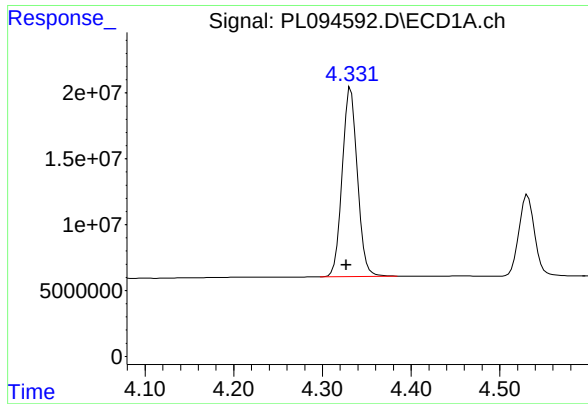
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.006 min
Response: 177377066
Conc: 42.72 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 233830383
Conc: 43.37 ng/ml



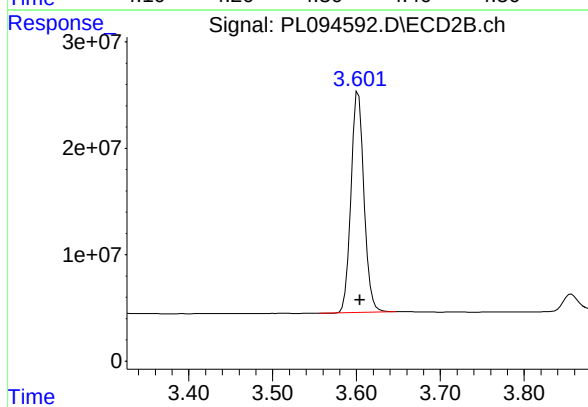
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.004 min
Response: 170616979
Conc: 42.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

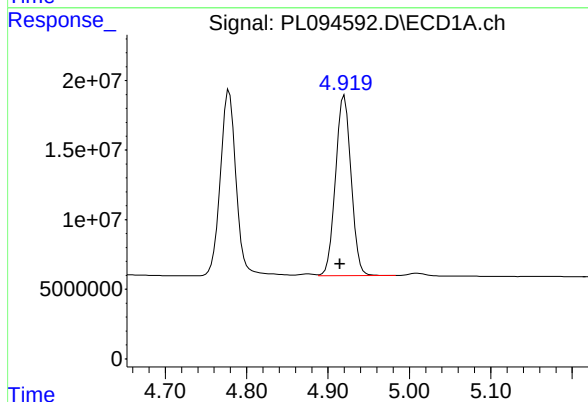
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



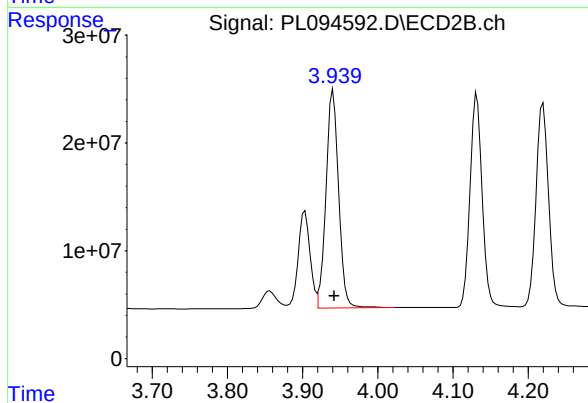
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 222777066
Conc: 43.35 ng/ml



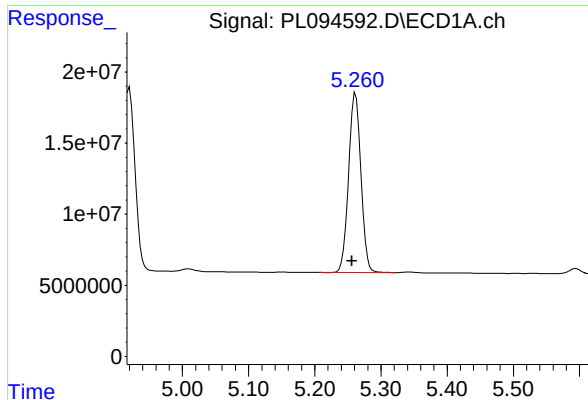
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: 0.006 min
Response: 171931057
Conc: 44.29 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.002 min
Response: 236424096
Conc: 44.87 ng/ml



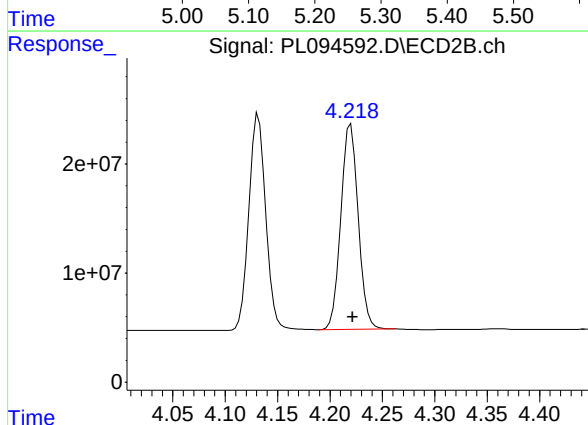
#5 Aldrin

R.T.: 5.262 min
Delta R.T.: 0.006 min
Response: 163173307
Conc: 44.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

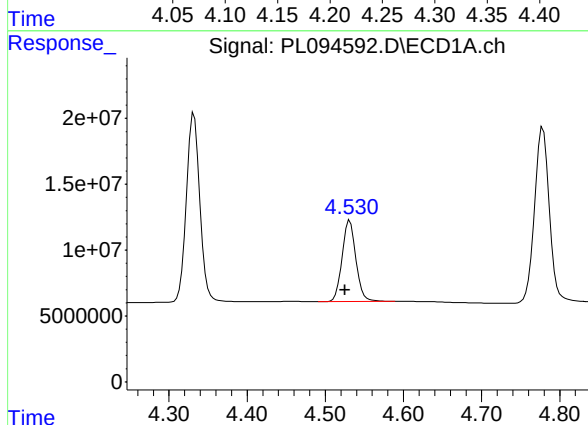
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



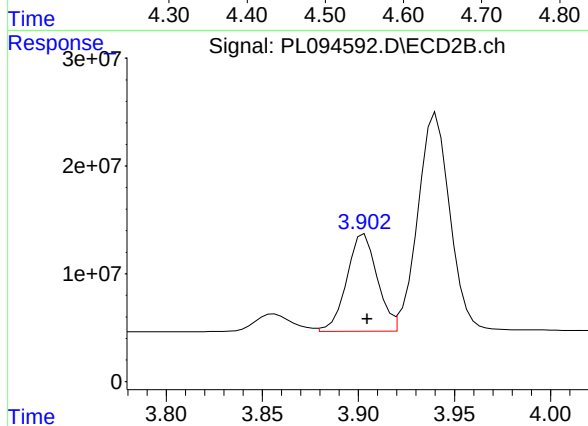
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 216962229
Conc: 44.49 ng/ml



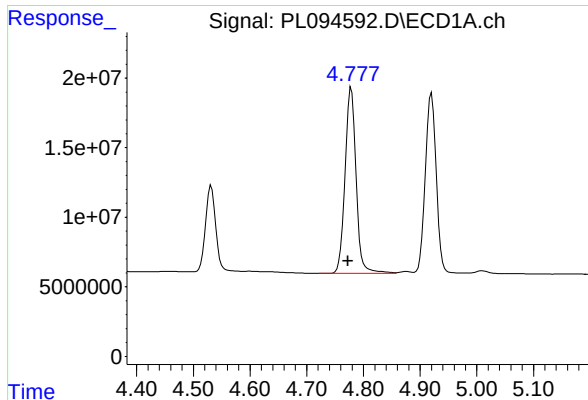
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 76033578
Conc: 41.21 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 99058913
Conc: 44.60 ng/ml



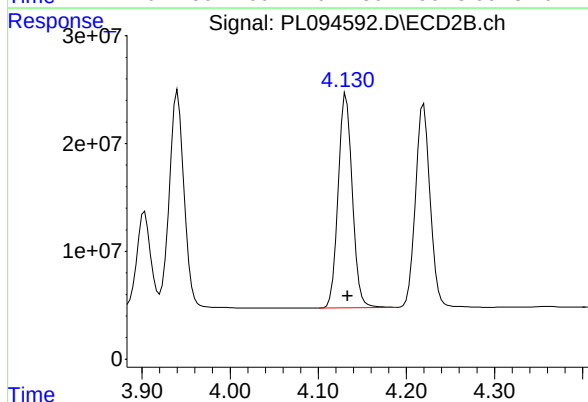
#7 delta-BHC

R.T.: 4.778 min
Delta R.T.: 0.006 min
Response: 179012475
Conc: 45.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

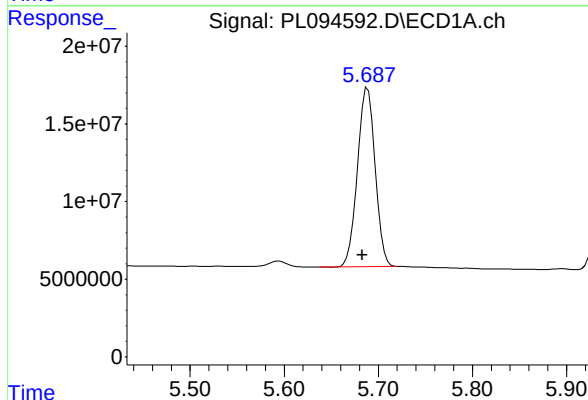
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



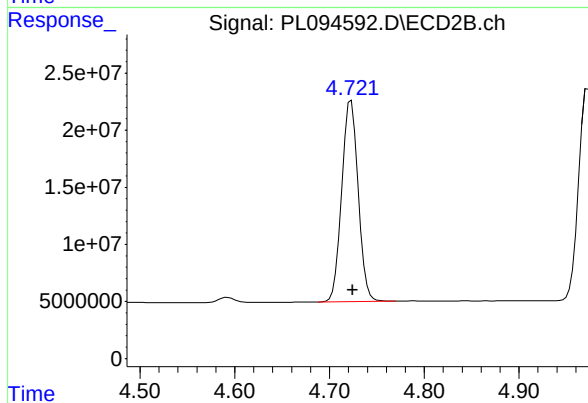
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.002 min
Response: 221552898
Conc: 44.29 ng/ml



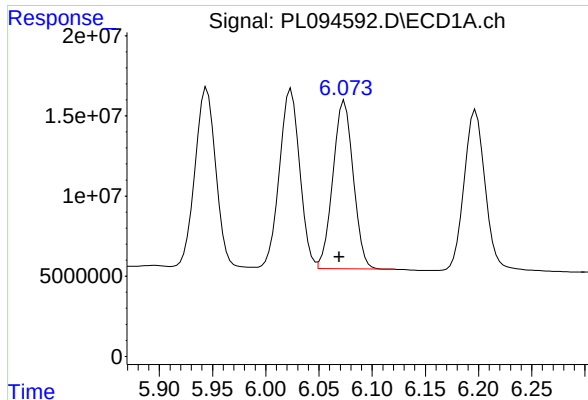
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.006 min
Response: 150526833
Conc: 45.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 212095409
Conc: 46.32 ng/ml m



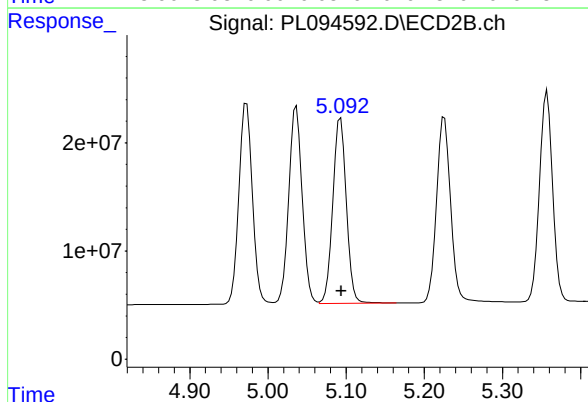
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.005 min
Response: 139836116
Conc: 45.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

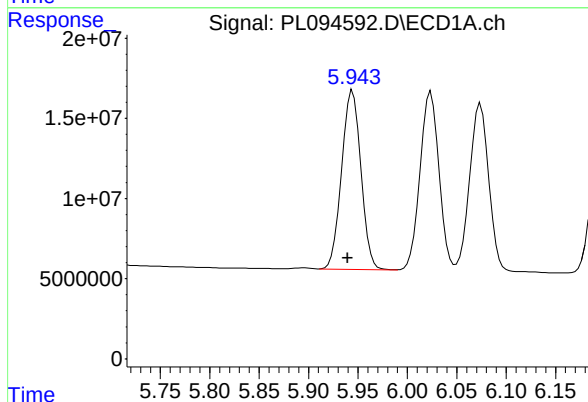
Manual Integrations
APPROVED

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



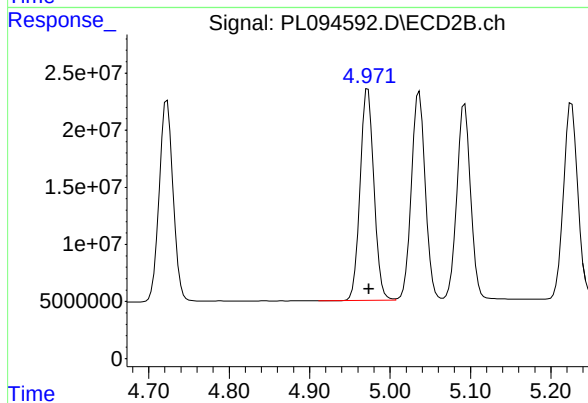
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.001 min
Response: 205725178
Conc: 46.88 ng/ml



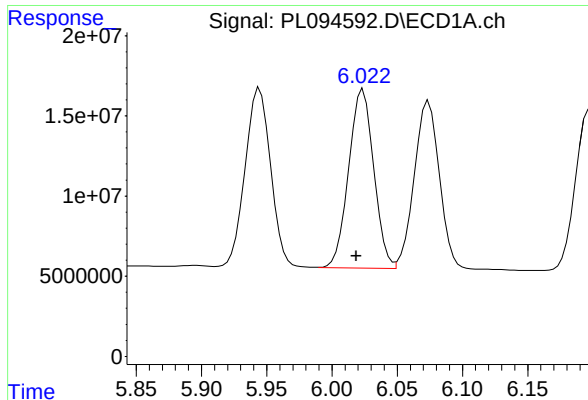
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.005 min
Response: 152181445
Conc: 45.17 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.001 min
Response: 222015641
Conc: 45.98 ng/ml



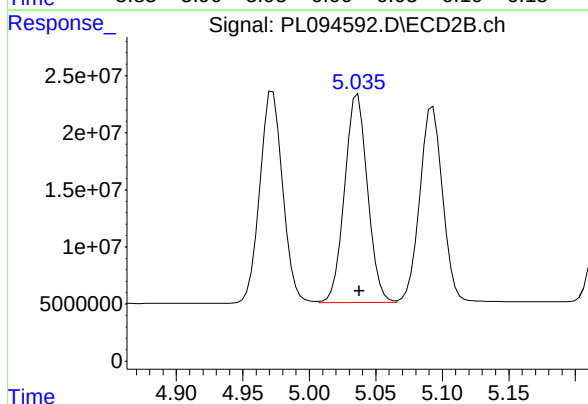
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.005 min
Response: 149083802
Conc: 45.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

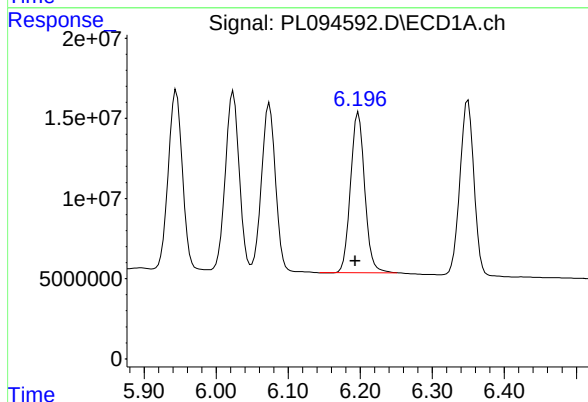
Manual Integrations
APPROVED

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



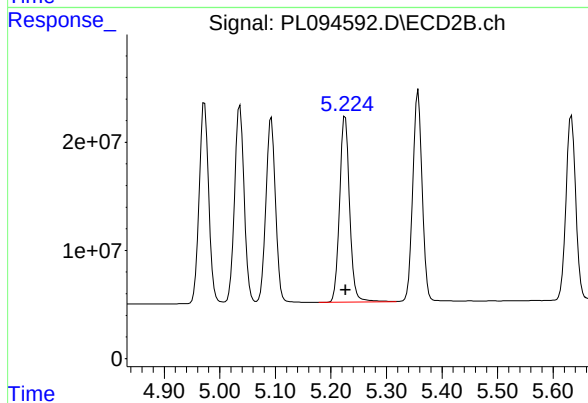
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.001 min
Response: 219253749
Conc: 45.94 ng/ml



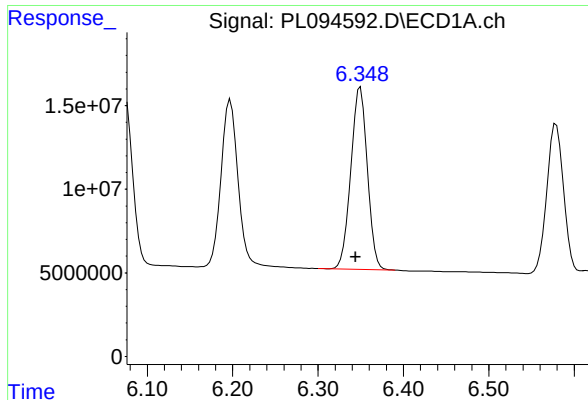
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.004 min
Response: 136636992
Conc: 46.44 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 216032441
Conc: 46.47 ng/ml



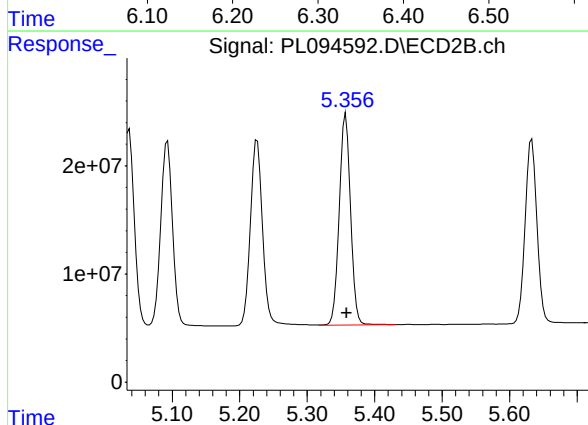
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.006 min
Response: 147114135
Conc: 46.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

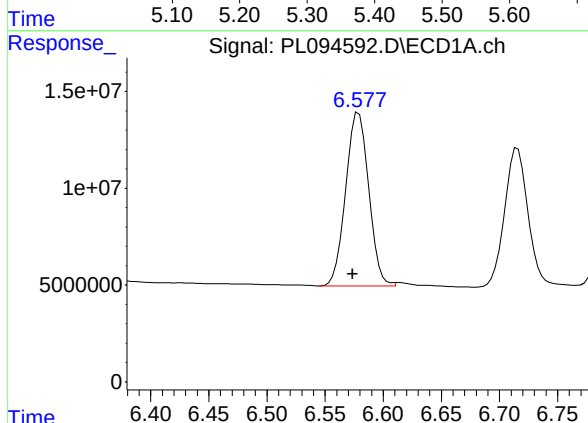
Manual Integrations
APPROVED

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



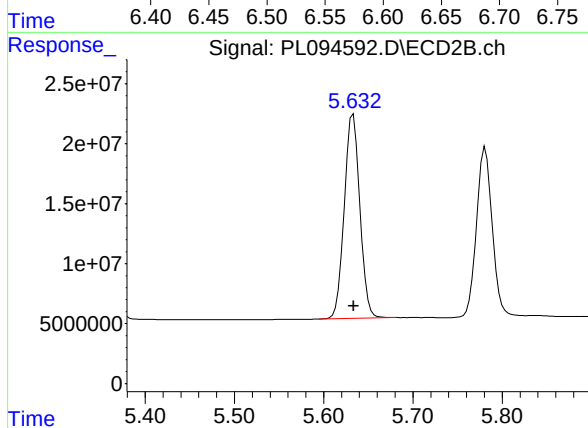
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.001 min
Response: 228030054
Conc: 47.00 ng/ml



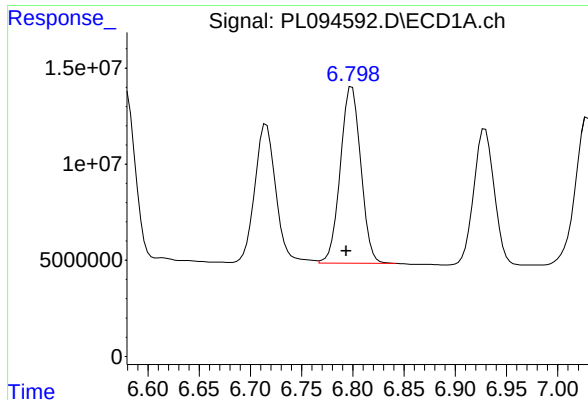
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 123665194
Conc: 44.61 ng/ml m



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 206958040
Conc: 47.43 ng/ml m



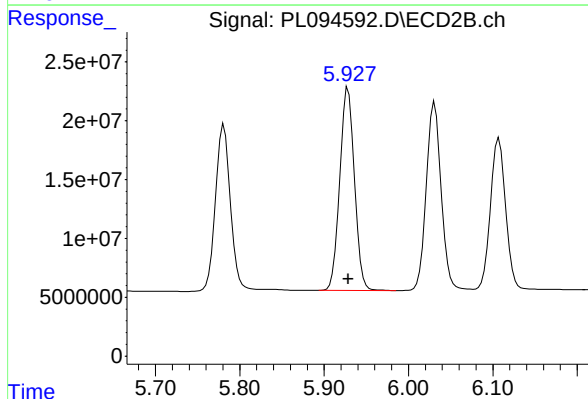
#15 Endosulfan II

R.T.: 6.799 min
Delta R.T.: 0.005 min
Response: 127000579
Conc: 46.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

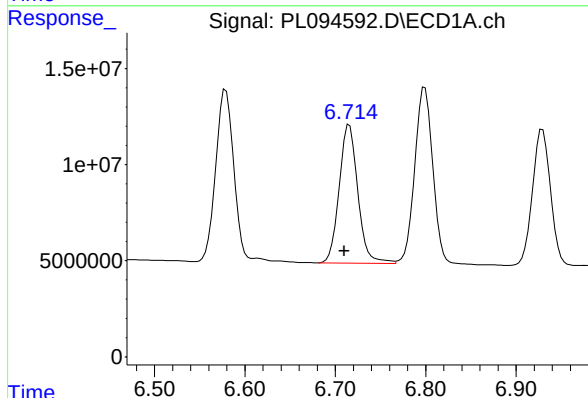
Manual Integrations
APPROVED

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



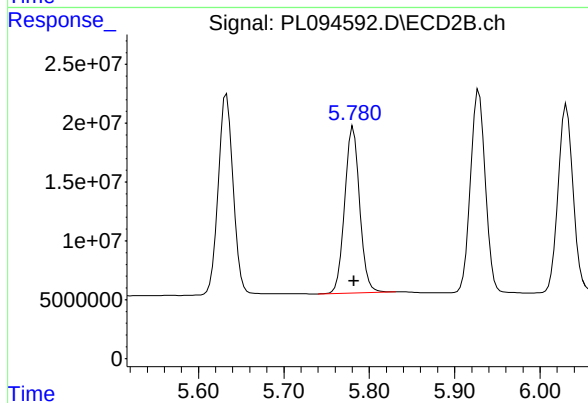
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: 0.000 min
Response: 208042483
Conc: 48.07 ng/ml



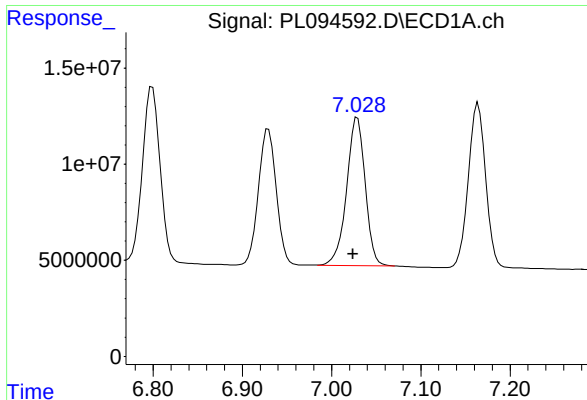
#16 4,4'-DDD

R.T.: 6.716 min
Delta R.T.: 0.006 min
Response: 103272427
Conc: 47.68 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 172270163
Conc: 47.91 ng/ml



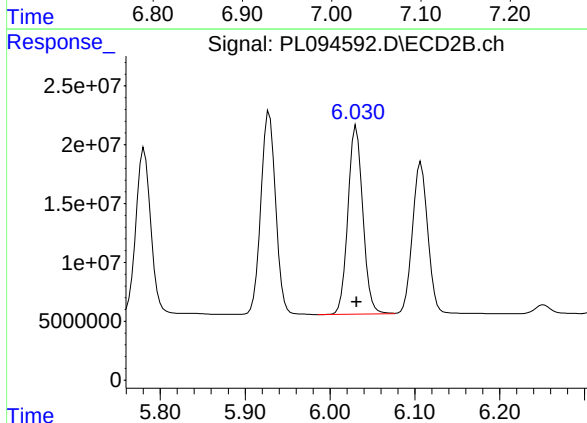
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.005 min
Response: 111937879
Conc: 47.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

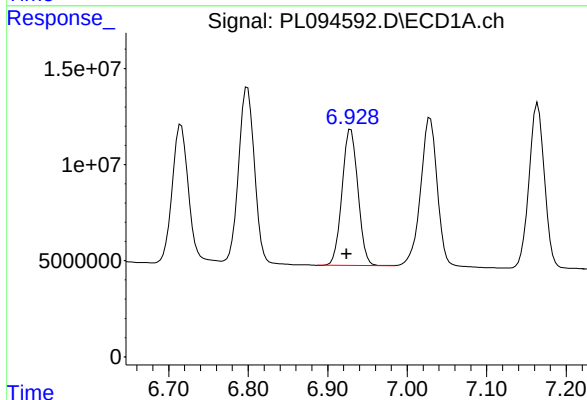
Manual Integrations
APPROVED

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



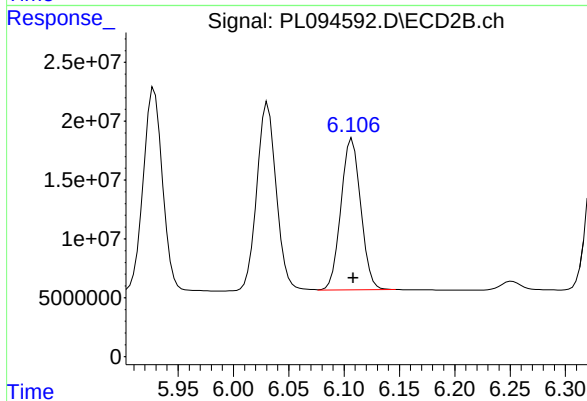
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: 0.000 min
Response: 195224058
Conc: 48.42 ng/ml



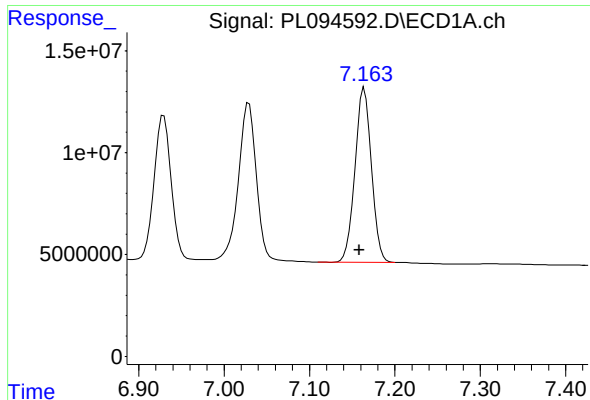
#18 Endrin aldehyde

R.T.: 6.929 min
Delta R.T.: 0.005 min
Response: 98487276
Conc: 46.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: 0.000 min
Response: 160650559
Conc: 47.74 ng/ml



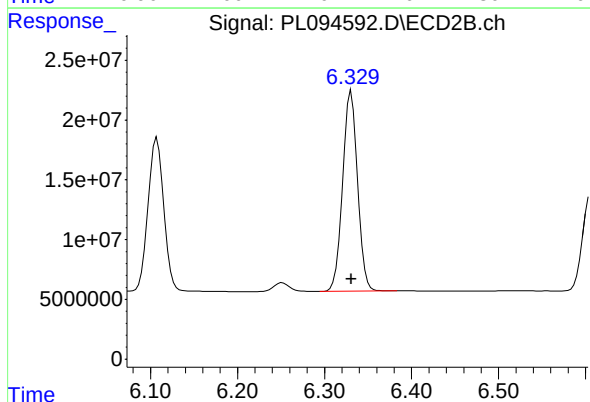
#19 Endosulfan Sulfate

R.T.: 7.164 min
Delta R.T.: 0.006 min
Response: 114586776
Conc: 47.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

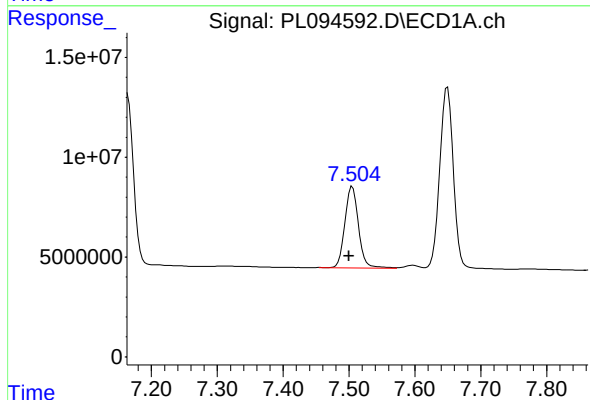
Manual Integrations
APPROVED

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



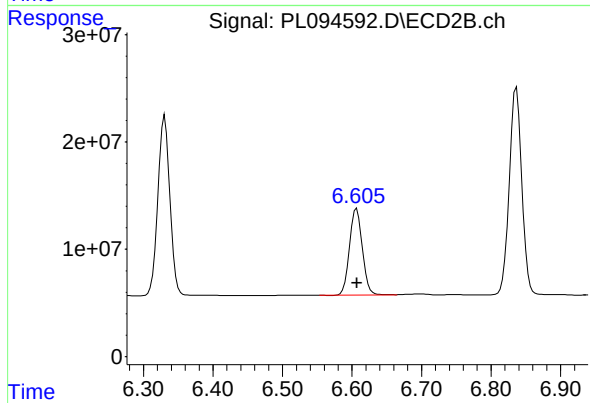
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: 0.000 min
Response: 200441947
Conc: 49.21 ng/ml



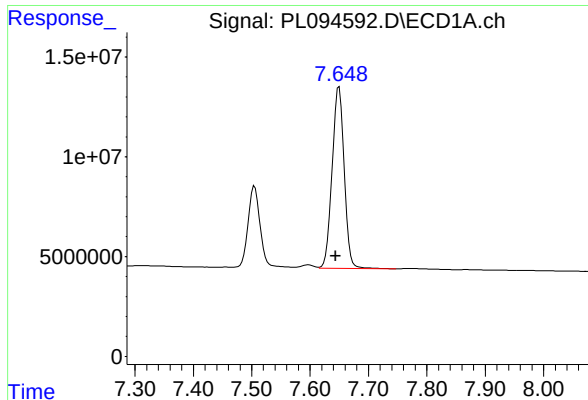
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.005 min
Response: 58248980
Conc: 48.66 ng/ml



#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 103246444
Conc: 48.68 ng/ml



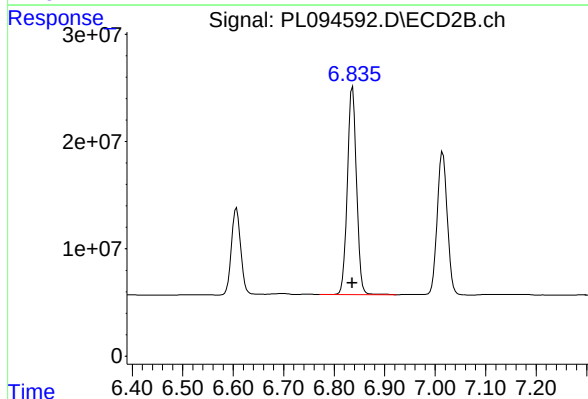
#21 Endrin ketone

R.T.: 7.649 min
Delta R.T.: 0.006 min
Response: 130855976
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

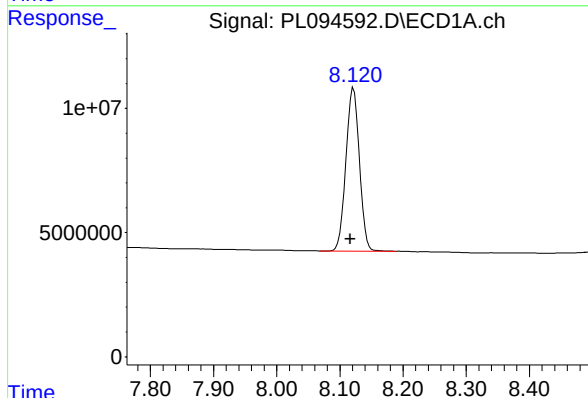
Manual Integrations
APPROVED

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



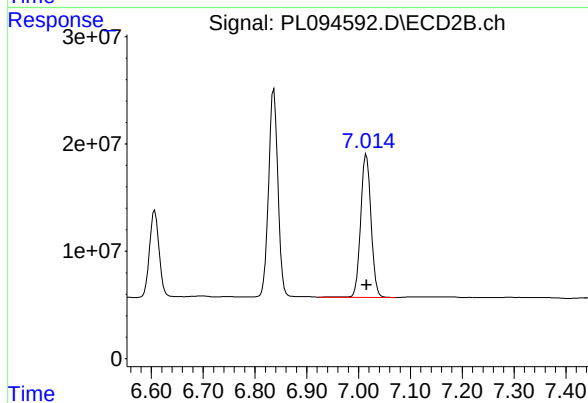
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 243202235
Conc: 50.96 ng/ml



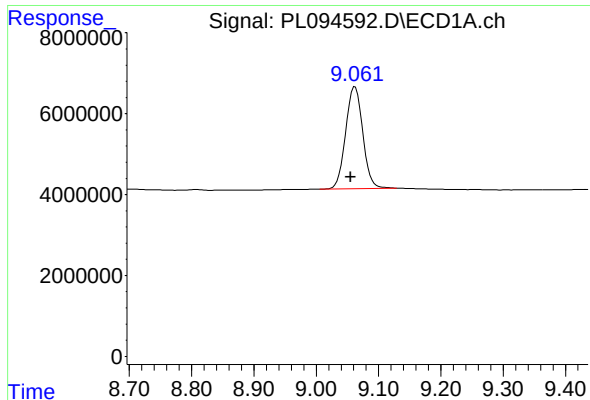
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.005 min
Response: 97662787
Conc: 47.26 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 185610267
Conc: 48.91 ng/ml



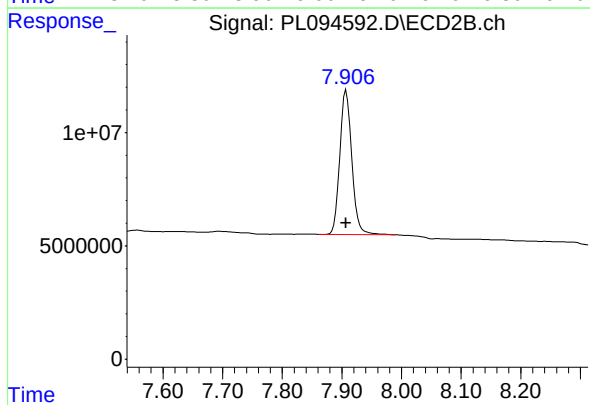
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.007 min
Response: 48315844
Conc: 22.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167076BSD

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



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: 0.000 min
Response: 89393078
Conc: 22.13 ng/ml

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PB167076BS	PL094591.D	Endrin	Abdul	3/12/2025 12:46:41 PM	Ankita	3/12/2025 2:34:37	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167076BS	PL094591.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:41 PM	Ankita	3/12/2025 2:34:37	Peak Integrated by Software
PB167076BSD	PL094592.D	Endrin	Abdul	3/12/2025 12:46:44 PM	Ankita	3/12/2025 2:34:38	Peak Integrated by Software
PB167076BSD	PL094592.D	Endrin #2	Abdul	3/12/2025 12:46:44 PM	Ankita	3/12/2025 2:34:38	Peak Integrated by Software
PB167076BSD	PL094592.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:44 PM	Ankita	3/12/2025 2:34:38	Peak Integrated by Software
PB167076BSD	PL094592.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:46:44 PM	Ankita	3/12/2025 2:34:38	Peak Integrated by Software
Q1502-09	PL094595.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:56 PM	Ankita	3/12/2025 2:34:43	Peak Integrated by Software
Q1502-09	PL094595.D	Aldrin	Abdul	3/12/2025 12:46:56 PM	Ankita	3/12/2025 2:34:43	Peak Integrated by Software
Q1502-09	PL094595.D	Endrin ketone	Abdul	3/12/2025 12:46:56 PM	Ankita	3/12/2025 2:34:43	Peak Integrated by Software
Q1502-09	PL094595.D	Tetrachloro-m-xylene #2	Abdul	3/12/2025 12:46:56 PM	Ankita	3/12/2025 2:34:43	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:

PL031125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094621.D	4,4"-DDD	Abdul	3/28/2025 9:18:12 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE	Abdul	3/28/2025 9:18:12 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE #2	Abdul	3/28/2025 9:18:12 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094621.D	Endrin	Abdul	3/28/2025 9:18:12 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094621.D	Endrin aldehyde	Abdul	3/28/2025 9:18:12 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE	Abdul	3/13/2025 8:32:05 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:05 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Dieldrin	Abdul	3/13/2025 8:32:05 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Endrin	Abdul	3/13/2025 8:32:05 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDD	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	Dieldrin #2	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	Endosulfan II	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094629.D	Endrin	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane)	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane) #2	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-Chlordane	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	Heptachlor epoxide	Abdul	3/13/2025 8:32:27 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-2	Abdul	3/13/2025 8:32:31 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-3	Abdul	3/13/2025 8:32:31 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-4	Abdul	3/13/2025 8:32:31 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
Q1502-09DL	PL094635.D	Endrin	Abdul	3/13/2025 8:32:45 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
Q1502-09DL2	PL094636.D	Decachlorobiphenyl	Abdul	3/13/2025 8:32:49 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
Q1502-09DL2	PL094636.D	Decachlorobiphenyl #2	Abdul	3/13/2025 8:32:49 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
Q1502-09DL2	PL094636.D	Tetrachloro-m-xylene #2	Abdul	3/13/2025 8:32:49 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094640.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:54 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094640.D	Dieldrin #2	Abdul	3/13/2025 8:32:54 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094640.D	Endrin	Abdul	3/13/2025 8:32:54 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-2	Abdul	3/13/2025 8:32:58 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-5	Abdul	3/13/2025 8:32:58 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-5 #2	Abdul	3/13/2025 8:32:58 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PTOXCCC500	PL094642.D	Toxaphene-2	Abdul	3/13/2025 8:33:04 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
I.BLK	PL094651.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:33 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE	Abdul	3/13/2025 8:33:37 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE #2	Abdul	3/13/2025 8:33:37 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094652.D	Endrin	Abdul	3/13/2025 8:33:37 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PEM	PL094652.D	Endrin ketone #2	Abdul	3/13/2025 8:33:37 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094653.D	4,4"-DDE #2	Abdul	3/13/2025 8:34:19 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094653.D	Dieldrin #2	Abdul	3/13/2025 8:34:19 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software

Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094653.D	Endrin	Abdul	3/13/2025 8:34:19 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
I.BLK	PL094663.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:58 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094664.D	4,4"-DDE #2	Abdul	3/13/2025 8:31:20 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094664.D	Dieldrin #2	Abdul	3/13/2025 8:31:20 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endosulfan I #2	Abdul	3/13/2025 8:31:20 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin	Abdul	3/13/2025 8:31:20 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin ketone #2	Abdul	3/13/2025 8:31:20 AM	mohammad	3/28/2025 9:18:57	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094619.D	12 Mar 2025 08:23	AR\AJ	Ok
2	I.BLK	PL094620.D	12 Mar 2025 08:37	AR\AJ	Ok
3	PEM	PL094621.D	12 Mar 2025 08:51	AR\AJ	Ok,M
4	PSTDCCC050	PL094622.D	12 Mar 2025 09:04	AR\AJ	Ok,M
5	Q1494-01	PL094623.D	12 Mar 2025 09:44	AR\AJ	Ok
6	PB167077BS	PL094624.D	12 Mar 2025 10:15	AR\AJ	Ok,M
7	Q1534-13DL	PL094625.D	12 Mar 2025 10:33	AR\AJ	Ok,M
8	Q1534-19DL	PL094626.D	12 Mar 2025 10:47	AR\AJ	Dilution
9	Q1534-19DL2	PL094627.D	12 Mar 2025 11:00	AR\AJ	Ok,M
10	I.BLK	PL094628.D	12 Mar 2025 11:14	AR\AJ	Ok
11	PSTDCCC050	PL094629.D	12 Mar 2025 11:37	AR\AJ	Ok,M
12	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06	AR\AJ	Ok,M
13	PTOXCCC500	PL094631.D	12 Mar 2025 12:34	AR\AJ	Ok
14	PB167086BS	PL094632.D	12 Mar 2025 13:17	AR\AJ	Ok,M
15	PB167087BS	PL094633.D	12 Mar 2025 13:50	AR\AJ	Ok
16	Q1502-11	PL094634.D	12 Mar 2025 14:12	AR\AJ	Ok,M
17	Q1502-09DL	PL094635.D	12 Mar 2025 14:26	AR\AJ	Dilution
18	Q1502-09DL2	PL094636.D	12 Mar 2025 14:40	AR\AJ	Ok,M
19	Q1502-13	PL094637.D	12 Mar 2025 14:54	AR\AJ	Dilution
20	Q1502-13DL	PL094638.D	12 Mar 2025 15:07	AR\AJ	Ok
21	I.BLK	PL094639.D	12 Mar 2025 15:35	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PL094640.D	12 Mar 2025 15:49	AR\AJ	Ok,M
23	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02	AR\AJ	Ok,M
24	PTOXCCC500	PL094642.D	12 Mar 2025 16:54	AR\AJ	Ok,M
25	PB167091BL	PL094643.D	12 Mar 2025 17:20	AR\AJ	Not Ok
26	PB167091BS	PL094644.D	12 Mar 2025 17:34	AR\AJ	Not Ok
27	PB167020TB	PL094645.D	12 Mar 2025 17:48	AR\AJ	Not Ok
28	PB167049TB	PL094646.D	12 Mar 2025 18:01	AR\AJ	Not Ok
29	Q1488-02	PL094647.D	12 Mar 2025 18:15	AR\AJ	Ok
30	Q1488-02MS	PL094648.D	12 Mar 2025 18:29	AR\AJ	Ok,M
31	Q1488-02MSD	PL094649.D	12 Mar 2025 18:42	AR\AJ	Ok,M
32	Q1488-04	PL094650.D	12 Mar 2025 18:56	AR\AJ	Ok,M
33	I.BLK	PL094651.D	12 Mar 2025 19:10	AR\AJ	Ok,M
34	PEM	PL094652.D	12 Mar 2025 19:24	AR\AJ	Ok,M
35	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	AR\AJ	Ok,M
36	Q1488-06	PL094654.D	12 Mar 2025 20:05	AR\AJ	Ok,M
37	Q1488-08	PL094655.D	12 Mar 2025 20:19	AR\AJ	Ok,M
38	Q1488-10	PL094656.D	12 Mar 2025 20:33	AR\AJ	Ok,M
39	Q1488-12	PL094657.D	12 Mar 2025 20:46	AR\AJ	Ok
40	Q1514-02	PL094658.D	12 Mar 2025 21:00	AR\AJ	Ok
41	Q1514-04	PL094659.D	12 Mar 2025 21:13	AR\AJ	Ok,M
42	Q1514-06	PL094660.D	12 Mar 2025 21:27	AR\AJ	Ok
43	Q1523-03	PL094661.D	12 Mar 2025 21:41	AR\AJ	Ok
44	Q1523-06	PL094662.D	12 Mar 2025 21:55	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PL094663.D	12 Mar 2025 22:09	AR\AJ	Ok,M
46	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094619.D	12 Mar 2025 08:23		AR\AJ	Ok
2	I.BLK	I.BLK	PL094620.D	12 Mar 2025 08:37		AR\AJ	Ok
3	PEM	PEM	PL094621.D	12 Mar 2025 08:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094622.D	12 Mar 2025 09:04		AR\AJ	Ok,M
5	Q1494-01	PURGE-WATER	PL094623.D	12 Mar 2025 09:44		AR\AJ	Ok
6	PB167077BS	PB167077BS	PL094624.D	12 Mar 2025 10:15		AR\AJ	Ok,M
7	Q1534-13DL	OR-636-COMP-18DL	PL094625.D	12 Mar 2025 10:33		AR\AJ	Ok,M
8	Q1534-19DL	OR-636-COMP-19DL	PL094626.D	12 Mar 2025 10:47	need dilution	AR\AJ	Dilution
9	Q1534-19DL2	OR-636-COMP-19DL2	PL094627.D	12 Mar 2025 11:00		AR\AJ	Ok,M
10	I.BLK	I.BLK	PL094628.D	12 Mar 2025 11:14		AR\AJ	Ok
11	PSTDCCC050	PSTDCCC050	PL094629.D	12 Mar 2025 11:37		AR\AJ	Ok,M
12	PCHLORCCC500	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06		AR\AJ	Ok,M
13	PTOXCCC500	PTOXCCC500	PL094631.D	12 Mar 2025 12:34		AR\AJ	Ok
14	PB167086BS	PB167086BS	PL094632.D	12 Mar 2025 13:17		AR\AJ	Ok,M
15	PB167087BS	PB167087BS	PL094633.D	12 Mar 2025 13:50		AR\AJ	Ok
16	Q1502-11	PT-CHLR-WP	PL094634.D	12 Mar 2025 14:12	TCMX high in 2nd column	AR\AJ	Ok,M
17	Q1502-09DL	PT-PEST-WPDL	PL094635.D	12 Mar 2025 14:26	TCMX high in 1st column , Need dilution	AR\AJ	Dilution

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method
			pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1502-09DL2	PT-PEST-WPDL2	PL094636.D	12 Mar 2025 14:40	DCB and TCMX high in 1st column	AR\AJ	Ok,M
19	Q1502-13	PT-TXP-WP	PL094637.D	12 Mar 2025 14:54	need dilution	AR\AJ	Dilution
20	Q1502-13DL	PT-TXP-WPDL	PL094638.D	12 Mar 2025 15:07		AR\AJ	Ok
21	I.BLK	I.BLK	PL094639.D	12 Mar 2025 15:35		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL094640.D	12 Mar 2025 15:49		AR\AJ	Ok,M
23	PCHLORCCC500	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02		AR\AJ	Ok,M
24	PTOXCCC500	PTOXCCC500	PL094642.D	12 Mar 2025 16:54		AR\AJ	Ok,M
25	PB167091BL	PB167091BL	PL094643.D	12 Mar 2025 17:20	DCB high in 1st column	AR\AJ	Not Ok
26	PB167091BS	PB167091BS	PL094644.D	12 Mar 2025 17:34	DCB high in both column , TCMX high in 1st column , Comp#20 recovery fail	AR\AJ	Not Ok
27	PB167020TB	PB167020TB	PL094645.D	12 Mar 2025 17:48	DCB high in 1st column	AR\AJ	Not Ok
28	PB167049TB	PB167049TB	PL094646.D	12 Mar 2025 18:01	DCB high in 1st column	AR\AJ	Not Ok
29	Q1488-02	ENV-101-SB01	PL094647.D	12 Mar 2025 18:15		AR\AJ	Ok
30	Q1488-02MS	ENV-101-SB01MS	PL094648.D	12 Mar 2025 18:29		AR\AJ	Ok,M
31	Q1488-02MSD	ENV-101-SB01MSD	PL094649.D	12 Mar 2025 18:42		AR\AJ	Ok,M
32	Q1488-04	ENV-101-SB02	PL094650.D	12 Mar 2025 18:56		AR\AJ	Ok,M
33	I.BLK	I.BLK	PL094651.D	12 Mar 2025 19:10		AR\AJ	Ok,M
34	PEM	PEM	PL094652.D	12 Mar 2025 19:24		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	Comp#16 high in 2nd column	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM
Supervise By	mohammad	Supervise On	3/28/2025 9:18:57 AM
SubDirectory	PL031225	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

36	Q1488-06	ENV-102-SB01	PL094654.D	12 Mar 2025 20:05	DCB high in 1st column	AR\AJ	Ok,M
37	Q1488-08	ENV-102-SB02	PL094655.D	12 Mar 2025 20:19		AR\AJ	Ok,M
38	Q1488-10	ENV-104-SB01	PL094656.D	12 Mar 2025 20:33		AR\AJ	Ok,M
39	Q1488-12	ENV-104-SB02	PL094657.D	12 Mar 2025 20:46		AR\AJ	Ok
40	Q1514-02	ENV-105-SB01	PL094658.D	12 Mar 2025 21:00		AR\AJ	Ok
41	Q1514-04	ENV-105-SB02	PL094659.D	12 Mar 2025 21:13		AR\AJ	Ok,M
42	Q1514-06	ENV-103-SB01	PL094660.D	12 Mar 2025 21:27		AR\AJ	Ok
43	Q1523-03	WC-A1-01-C	PL094661.D	12 Mar 2025 21:41		AR\AJ	Ok
44	Q1523-06	WC-A1-02-C	PL094662.D	12 Mar 2025 21:55		AR\AJ	Ok
45	I.BLK	I.BLK	PL094663.D	12 Mar 2025 22:09	DCB high in 1st column	AR\AJ	Ok,M
46	PSTDCCC050	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	Comp#16 high in both column	AR\AJ	Ok,M

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction Pesticide-16		
Clean Up SOP #:	Florisl	Extraction Start Date :	03/11/2025
Matrix :	Water	Extraction Start Time :	08:39
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	03/11/2025
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3880	Extraction End Time :	16:15
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standardized 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	E3878
Baked Na2SO4	N/A	EP2593
Hexane	N/A	E3877
Florisl	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2545
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. Q1539-01,02 Samples added in batch at 11:46.

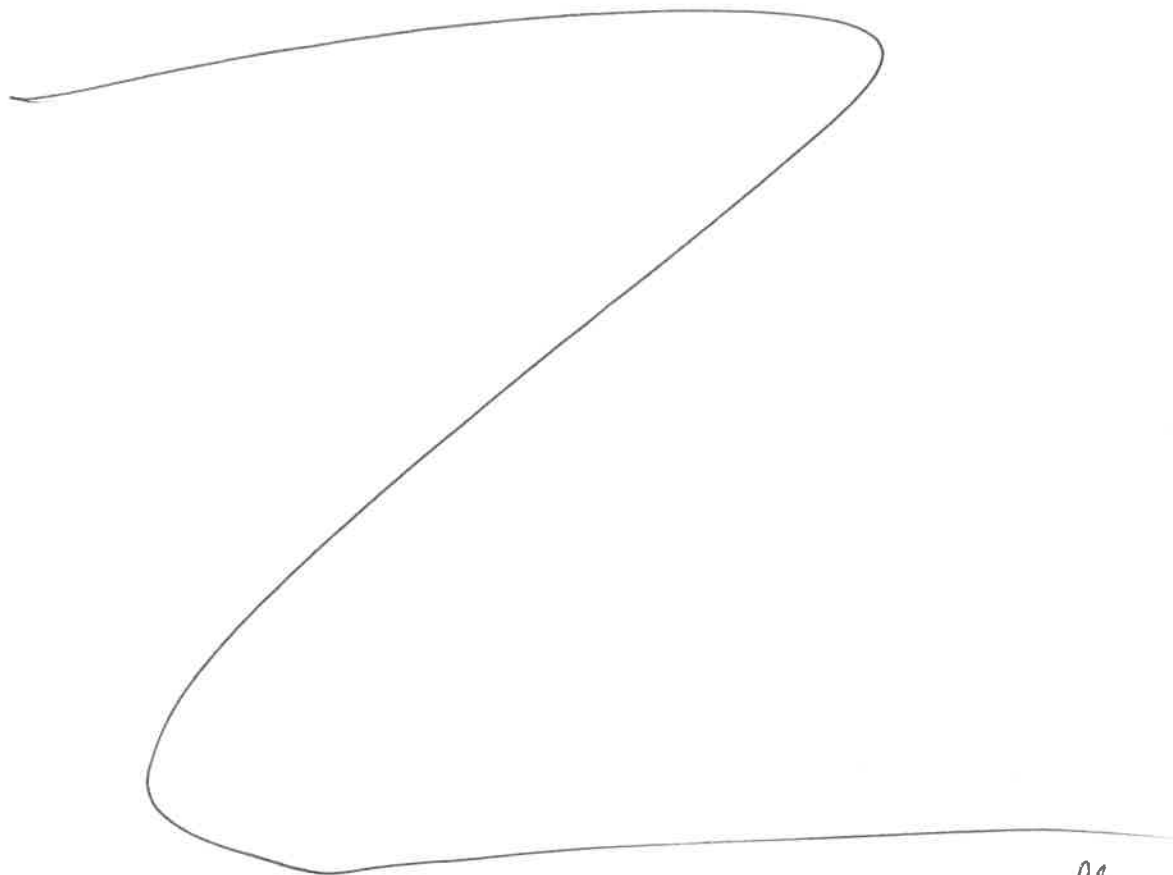
KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/11/25	RS (Ext Lab)	R. Pest-1/PCB Lab
16:20	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 03/11/2025

Sample ID	Client Sample ID	Test	g / ~~mL~~	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167076BL	PBLK076	Pesticide-TCL	1000	6	RUPESH	ritesh	10			SEP-1
PB167076BS	PLCS076	Pesticide-TCL	1000	6	RUPESH	ritesh	10			2
PB167076BS D	PLCSD076	Pesticide-TCL	1000	6	RUPESH	ritesh	10			3
Q1494-01	PURGE-WATER	Pesticide-TCL	960	6	RUPESH	ritesh	10	N		4
Q1502-09	PT-PEST-WP	PESTICIDE Group1	1000	6	RUPESH	ritesh	10			5
Q1539-01	TAPIAL3-MW03D-031025- 00-T1	PESTICIDE Group1	1000	6	RUPESH	ritesh	10	M		6
Q1539-02	TAPFTA-MW01I-031025-0 0-T2	PESTICIDE Group1	940	6	RUPESH	ritesh	10	M		7



RS
3/11

167074
240669
8:39 PM

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1494P WorkList ID : 188187 Department : Extraction Date : 03-11-2025 08:32:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1494-01	PURGE-WATER	Water	Pesticide-TCL	Cool 4 deg C	PSEG03	I31	03/05/2025	8081B
Q1502-09	PT-PEST-WP	Water	PESTICIDE Group1	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8081B
Q1502-11	PT-CHLR-WP	Water	PESTICIDE Group2	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8081B
Q1502-13	PT-TXP-WP	Water	PESTICIDE Group3	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8081B

Date/Time 3/11/25 8:35
Raw Sample Received by: PS (Ext-126)
Raw Sample Relinquished by: OR

Date/Time 3/11/25 9:00
Raw Sample Received by: OR
Raw Sample Relinquished by: PS (Ext-126)

16707026

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1541

WorkList ID : 188201

Department : Extraction

Date : 03-11-2025 11:46:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1539-01	TAPIAL3-MW03D-031025-00-T	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	I31	03/10/2025	8081B
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	I31	03/10/2025	8081B
Q1541-01	205703	Water	PCB	Cool 4 deg C	PSEG03	H31	03/11/2025	8082A

Date/Time 3/11/25 11:46
Raw Sample Received by: RS (PST-GB)
Raw Sample Relinquished by: AP

Date/Time 3/11/25 12:00
Raw Sample Received by: AP
Raw Sample Relinquished by: RS (EXT-GB)

Prep Standard - Chemical Standard Summary

Order ID : Q1502

Test : PESTICIDE Group1

Prepbatch ID : PB167076,

Sequence ID/Qc Batch ID: pl031125,PL031225,

Standard ID :

EP2545,EP2593,PP23675,PP23677,PP23733,PP23793,PP24091,PP24095,PP24123,PP24255,PP24256,PP24257,PP242583,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24284,

Chemical ID :

E3551,E3792,E3805,E3806,E3815,E3843,E3846,E3847,E3877,E3878,P11146,P12603,P12611,P13037,P13039,P13040,P13195,P13245,P13350,P13353,P13405,P13785,P13861,P9052,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1215	FLOROSIL CLEAN UP-WASHING SOLN	EP2545	10/07/2024	03/30/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 10/07/2024

FROM 100.00000ml of E3815 + 900.00000ml of E3805 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml



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

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml								

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 #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

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.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	$\leq 10 \text{ ppm}$	$< 5 \text{ ppm}$
Water (by KF, coulometric)	$\leq 0.02 \%$	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 3878

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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

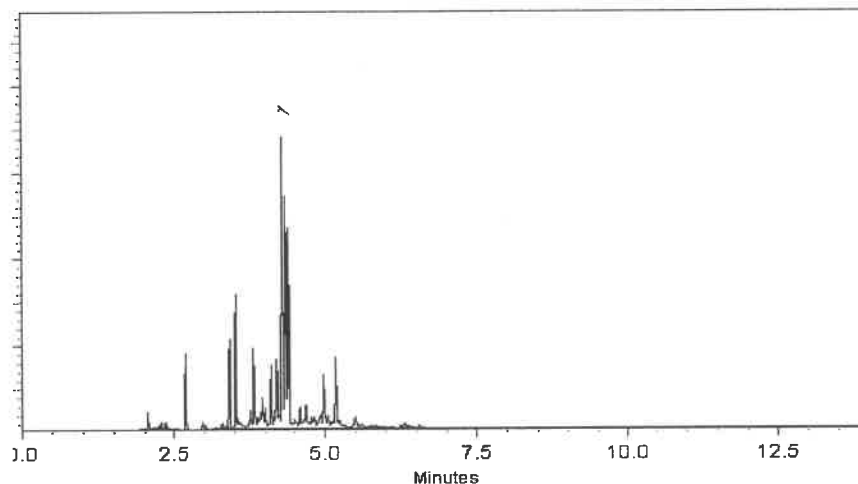
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P12611
↓
P12615
⑤
CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

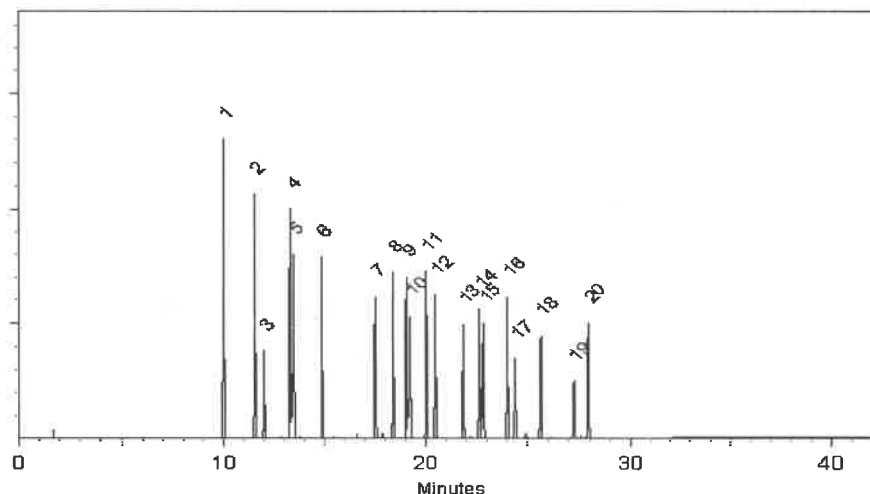
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

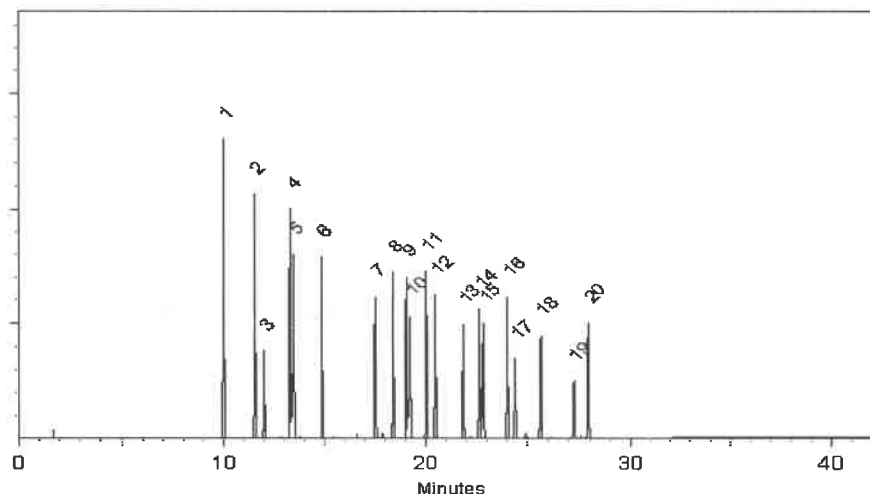
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

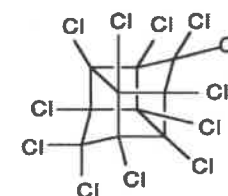
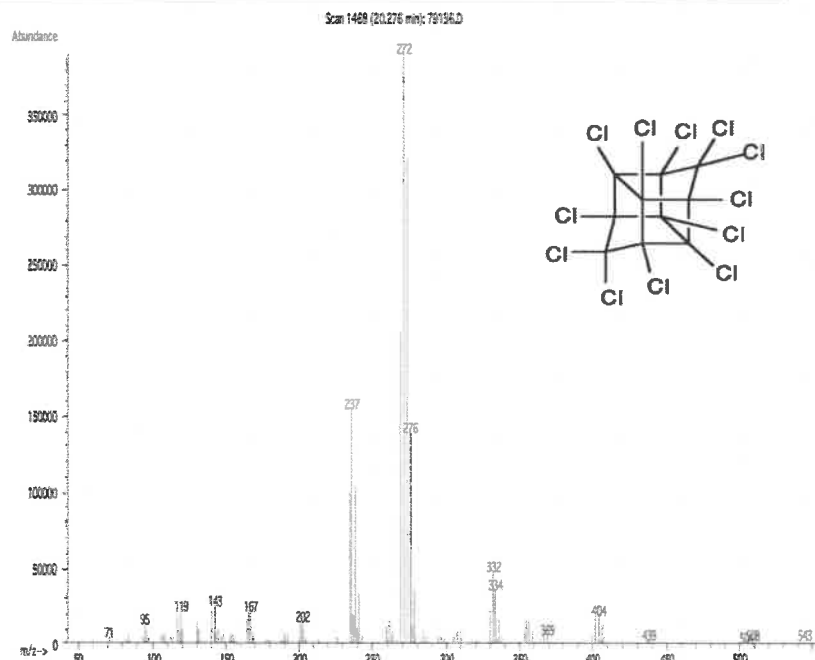
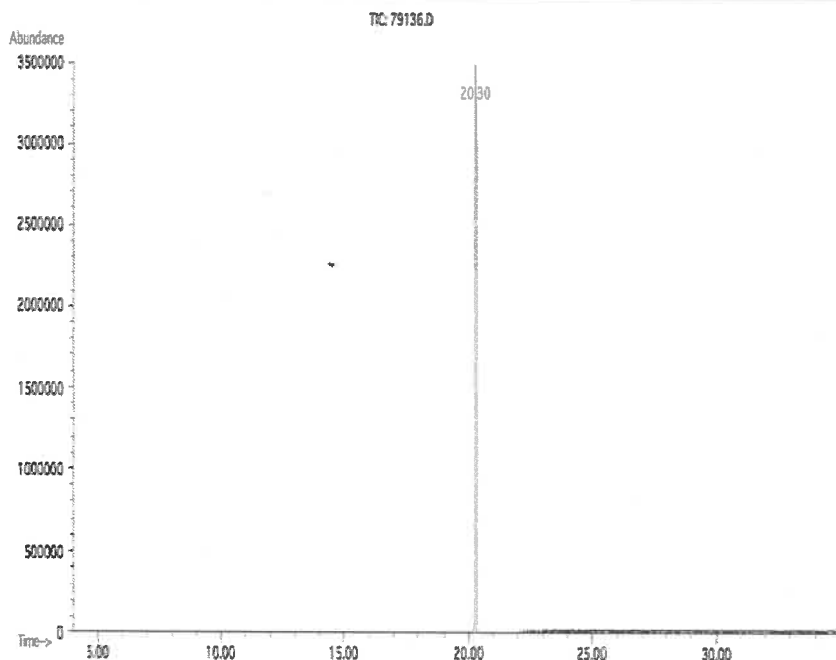
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

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)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- 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).

01/17/2024
JALIN

5



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

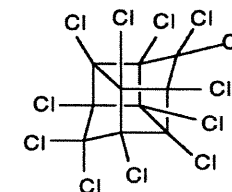
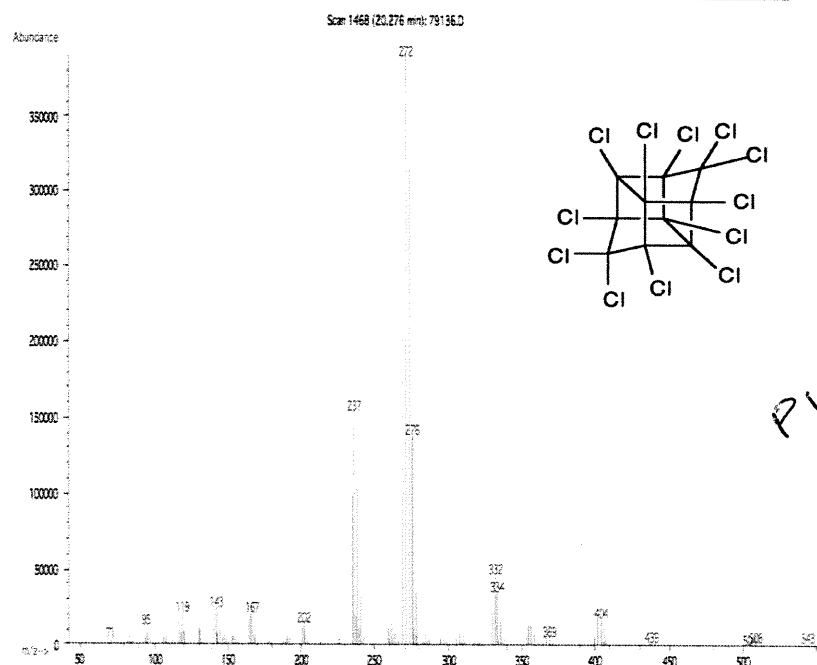
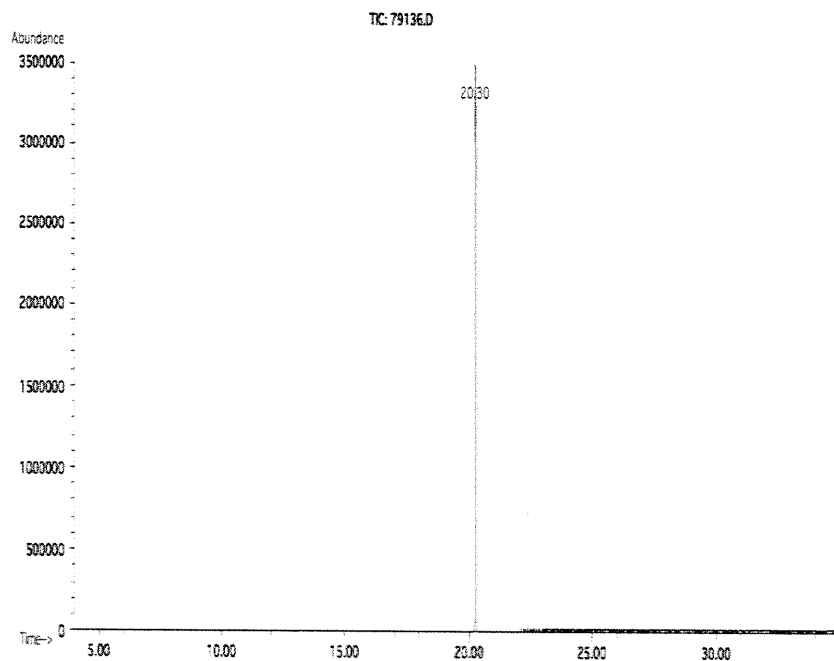
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

P 12603
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P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

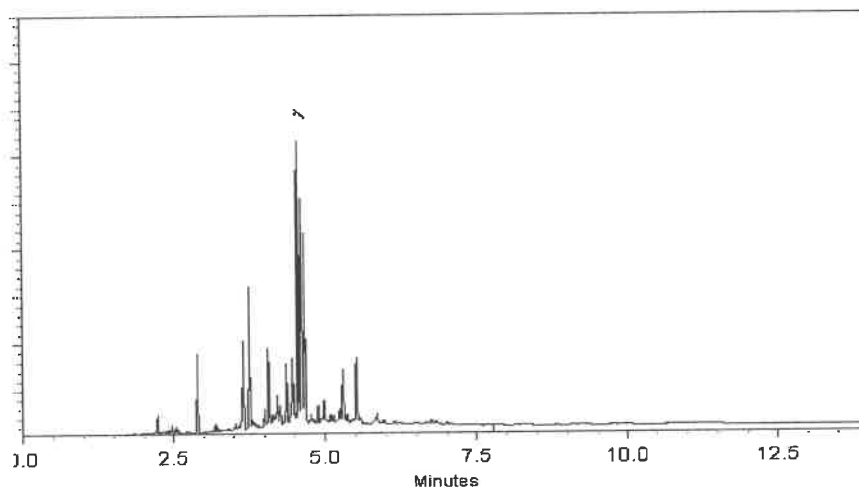
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

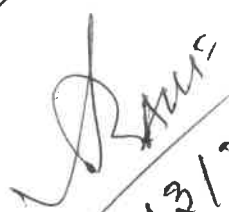
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

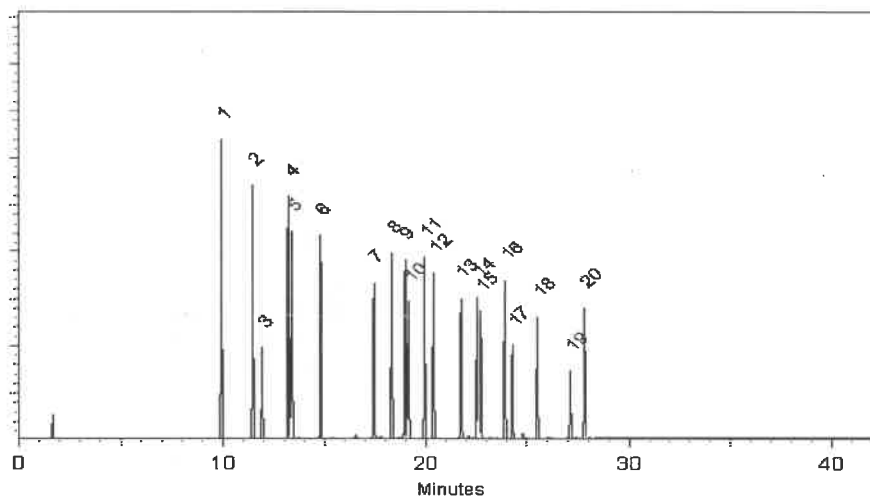
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

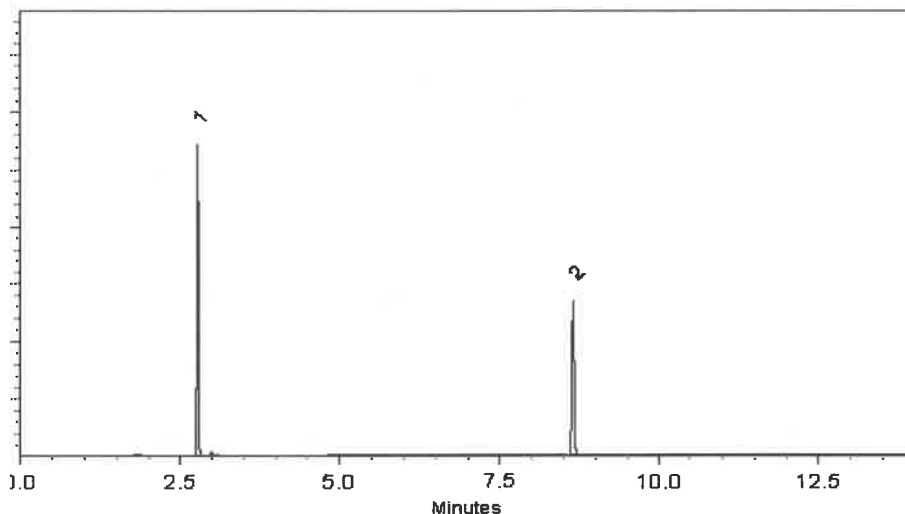
ECD

Split Vent:

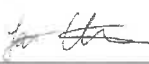
10 ml/min.

Inj. Vol

1µl

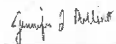


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

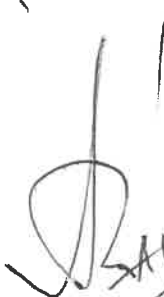
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


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04/25/2025



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

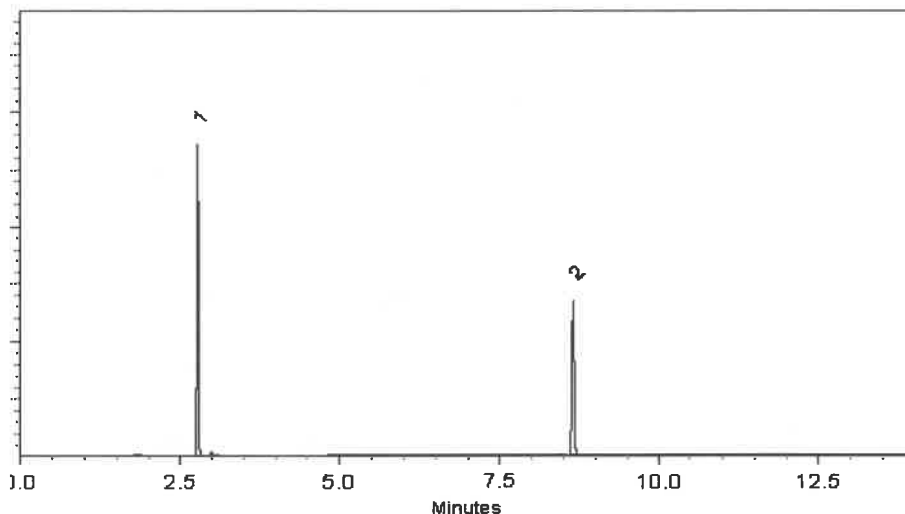
ECD

Split Vent:

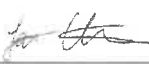
10 ml/min.

Inj. Vol

1µl

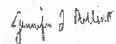


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
SAUF
04/25/2025



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Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

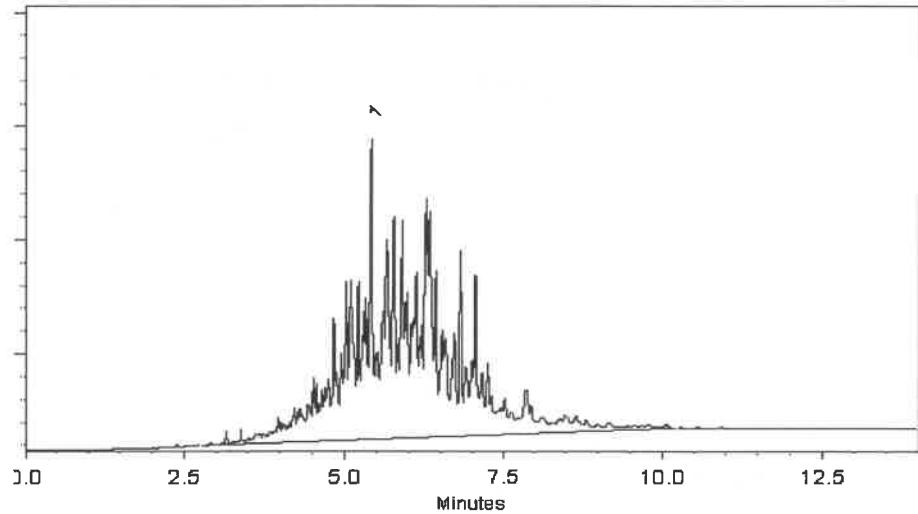
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

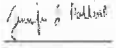


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

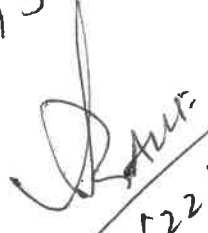
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

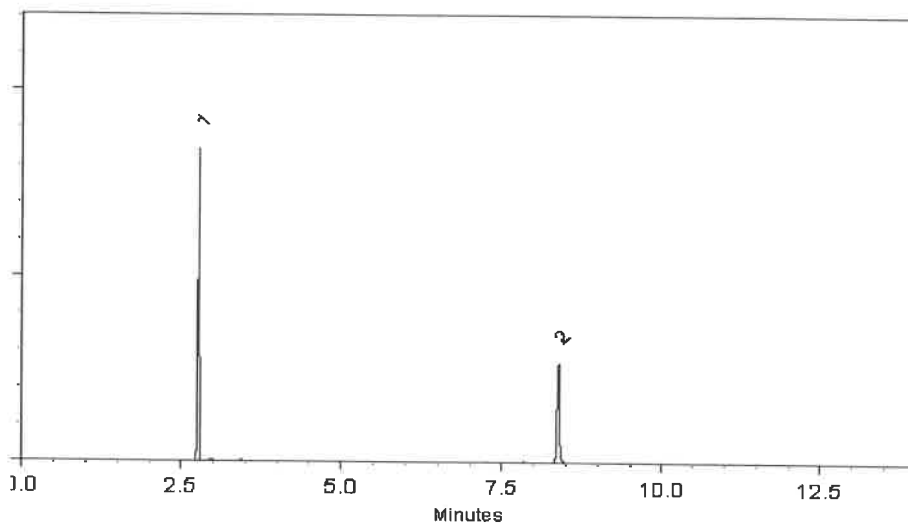
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

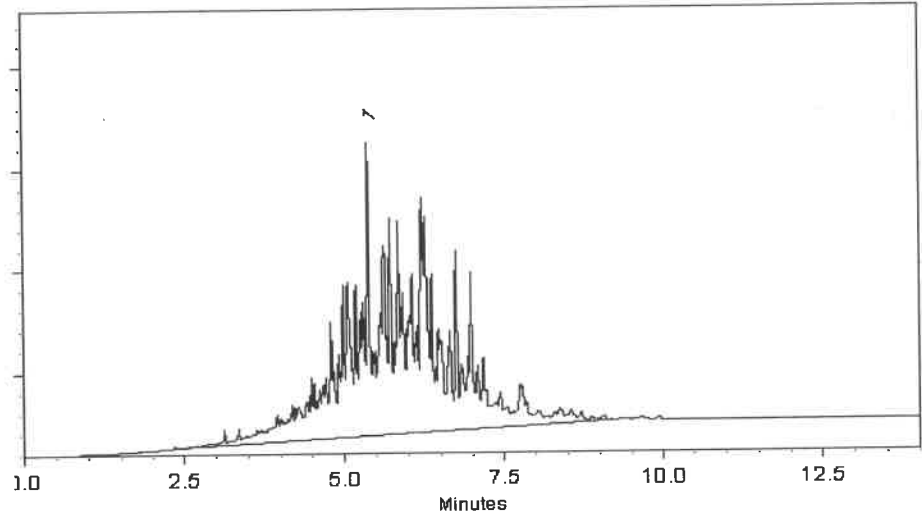
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

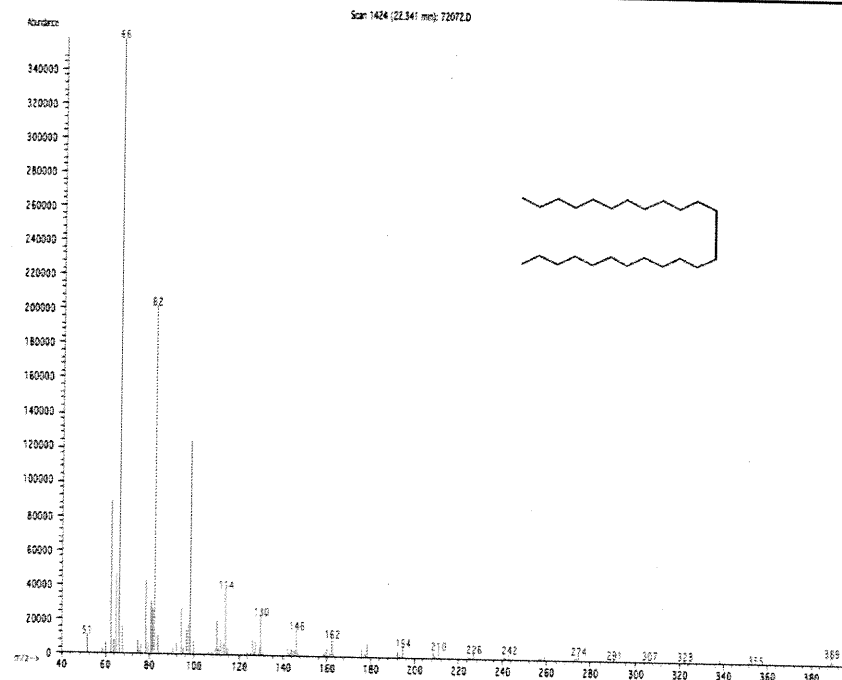
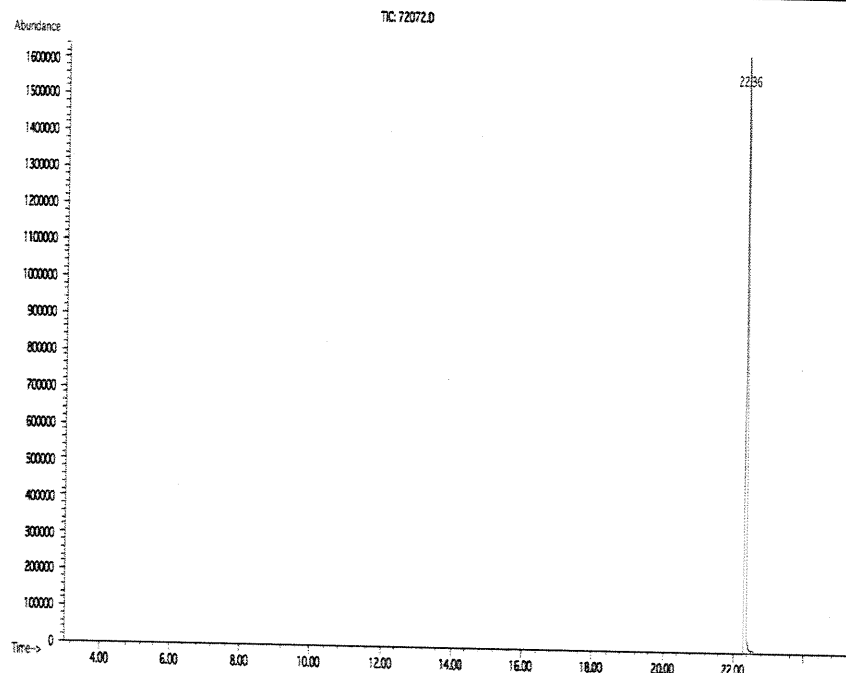
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

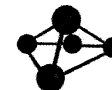
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

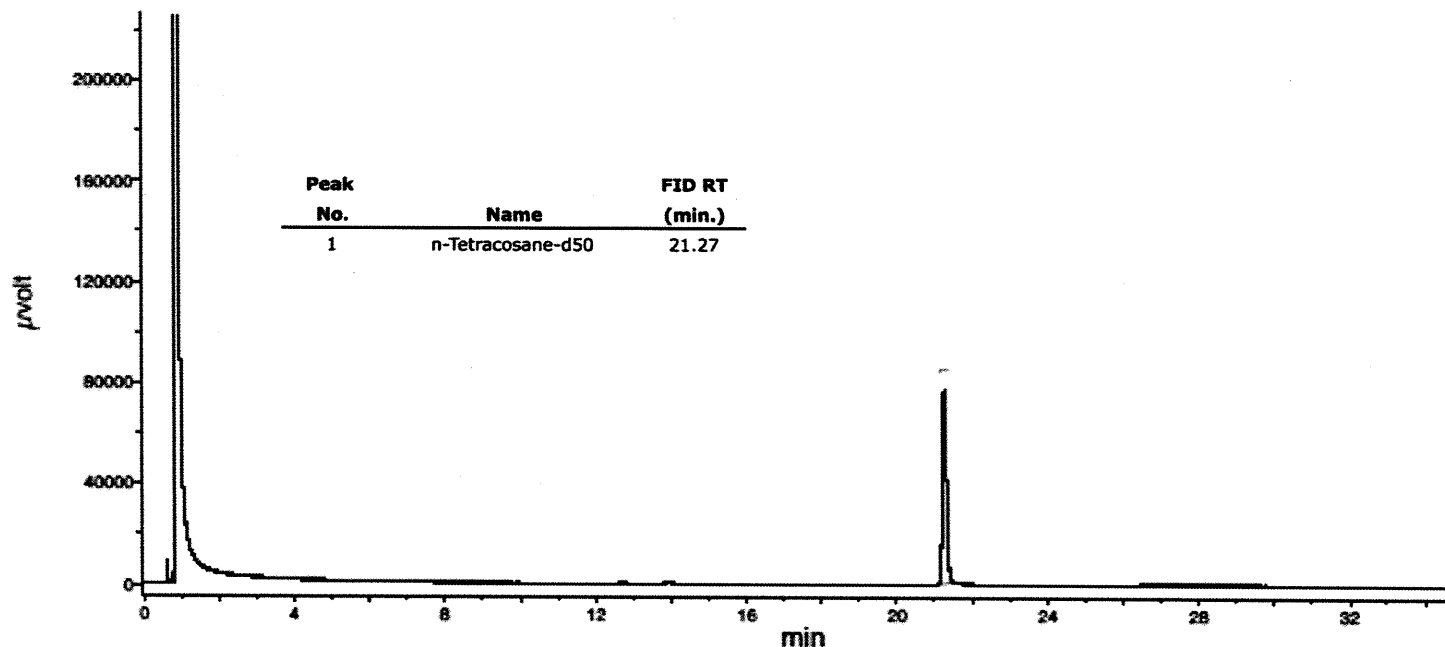
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS



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Certified Reference Materials

A Phenomenex®
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Packing List

6390 Joyce Dr., #100
Golden, CO 80403

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Fax: +1-303-940-0043
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www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsandsale

Date	Order #
03/03/2025	333289



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

3/5/2025

14:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0325	8264-04
1	1	0	PT-HG-WP	WP Mercury	WP0325	8264-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0325	8264-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0325	8264-06
1	1	0	PT-DEM-WP	WP Demand	WP0325	8264-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0325	8264-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0325	8264-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0325	8264-72
1	1	0	PT-SOL-WP	WP Solids	WP0325	8264-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0325	8264-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0325	8264-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0325	8264-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0325	8264-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0325	8264-13
1	1	0	PT-PH-WP	WP pH	WP0325	8264-15
1	1	0	PT-CN-WP	WP Cyanide	WP0325	8264-14
1	1	0	PT-PHEN-WP	WP Phenolics	WP0325	8264-16



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www.phenova.com

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Date	Order #
03/03/2025	333289



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ

3/5/2025 14:30

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-1517	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-S2-WP	WP Sulfide	WP0325	8264-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0325	8264-17
1	1	0	PT-TURB-WP	WP Turbidity	WP0325	8264-20
1	1	0	PT-VOA-WP	WP Volatiles	WP0325	8264-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0325	8264-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0325	8264-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0325	8264-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0325	8264-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0325	8264-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0325	8264-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0325	8264-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R40367	R40367-104
1	1	0	RR-VSOL-WP	WP Volatile Solids	R40367	R40367-18
1	1	0	RR-SIO2-WP	WP Silica	R40367	R40367-21
1	1	0	RR-COL-WP	WP Color	R40367	R40367-51
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R40367	R40367-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R40367	R40367-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R40367	R40367-98
1	1	0	RR-PAH-WP	WP PAH-Low Level	R40433	R40433-37

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Date	Order #
03/07/2025	335989



Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
3/11/2025 9:55

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
Email: Sohil Jodhani	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	RR-TRIAZINE-WP	WP Triazine Pesticides	R40480	R40480-108

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