

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 905

WESTON SOLUTIONS, INC.
1090 King Georges Post Road
Suite 201
Edison, NJ - 08837-3703
Phone No: 732-585-4410

ORDER ID : Q1664
ATTENTION : Smita Sumbaly



Laboratory Certification ID # 20012



1) SPLP PESTICIDE Data	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	14
9) QC Data Summary For SPLP Pesticide	15
9.1) Deuterated Monitoring Compound Summary	16
9.2) MS/MSD Summary	18
9.3) LCS/LCSD Summary	20
9.4) Method Blank Summary	21
10) Sample Data	22
10.1) PB167395TB	23
10.2) P001-BBDGA-001-01	28
10.3) P001-BBDGA-001-02	33
10.4) P001-BBDGA-002-01	38
10.5) P001-BBDGA-003-01	43
10.6) P001-BBDGA-004-01	48
10.7) P001-BBDGA-005-01	54
10.8) P001-BBDGA-006-01	59
10.9) P001-BBDGA-007-01	64
10.10) P001-BBDGA-008-01	69
11) Calibration Data Summary	74
11.1) Initial Calibration Data	75
11.1.1) PL031125	75
11.2) Continued Calibration Data	177
11.2.1) PL094960.D	177
11.2.2) PL094971.D	195
11.2.3) PL094979.D	213
11.2.4) PL095029.D	231
11.2.5) PL095041.D	249
11.2.6) PEM Files	267
11.3) RESCHK Data	307

Table Of Contents for Q1664

11.4) Analytical Seq	316
12) Compound Detection Summary	318
13) QC Sample Data	325
13.1) Method Blank Data	326
13.2) PIBLK Data	331
13.3) LCS Data	361
13.4) MS Data	377
13.5) MSD Data	393
14) Manual Integration	409
15) Analytical Runlogs	420
16) Extraction Logs	432
16.1) PB167372.pdf	432
16.2) PB167372IC.pdf	436
16.3) PB167395.pdf	437
16.4) PB167395IC.pdf	439
17) Standard Prep Logs	440
18) Shipping Document	491
18.1) Chain Of Custody	492
18.2) Lab Certificate	501
18.3) Internal COC	502

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Cover Page

Order ID : Q1664

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number

Q1664-01
Q1664-02
Q1664-03
Q1664-04
Q1664-05
Q1664-06
Q1664-07
Q1664-08
Q1664-09
Q1664-10
Q1664-11
Q1664-12
Q1664-13
Q1664-14
Q1664-15
Q1664-16
Q1664-17
Q1664-18
Q1664-19
Q1664-20
Q1664-21
Q1664-22

Client Sample Number

P001-BBDGA-001-01
P001-BBDGA-001-01MS
P001-BBDGA-001-01MSD
P001-BBDGA-001-01
P001-BBDGA-001-01MS
P001-BBDGA-001-01MSD
P001-BBDGA-001-02
P001-BBDGA-001-02
P001-BBDGA-002-01
P001-BBDGA-002-01
P001-BBDGA-003-01
P001-BBDGA-003-01
P001-BBDGA-004-01
P001-BBDGA-004-01
P001-BBDGA-005-01
P001-BBDGA-005-01
P001-BBDGA-006-01
P001-BBDGA-006-01
P001-BBDGA-007-01
P001-BBDGA-007-01
P001-BBDGA-008-01
P001-BBDGA-008-01

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:15 am, Apr 08, 2025

Date: 4/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1664
Test Name: SPLP Pesticide

A. Number of Samples and Date of Receipt:

22 Solid samples were received on 03/27/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SPLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of SPLP Pesticides was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for P001-BBDGA-005-01 [Tetrachloro-m-xylene(2) - 129%], P001-BBDGA-006-01 [Tetrachloro-m-xylene(2) - 127%] and P001-BBDGA-007-01 [Tetrachloro-m-xylene(2) - 127%], as per method one surrogate is allowed to failed, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

F. Calculation for Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vo) (Vi)}$$

Where,

Ax = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

GPC = $\frac{V_{in}}{V_{out}}$ = GPC factor (If no GPC is performed, GPC=1)

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

G. Manual Integration Comments:

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

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:16 am, Apr 08, 2025

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1664

MATRIX: Solid

METHOD: 8081B/3541

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for P001-BBDGA-005-01 [Tetrachloro-m-xylene(2) - 129%], P001-BBDGA-006-01 [Tetrachloro-m-xylene(2) - 127%] and P001-BBDGA-007-01 [Tetrachloro-m-xylene(2) - 127%],as per method one surrogate is allowed to failed, therefore no corrective action was taken.		✓	
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 10:58 am, Apr 08, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1664

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: SOHIL JODHANI

Date: 04/07/2025

LAB CHRONICLE

OrderID:	Q1664	OrderDate:	3/27/2025 10:47:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1664-01	P001-BBDGA-001-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-04	P001-BBDGA-001-01	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
Q1664-07	P001-BBDGA-001-02	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-08	P001-BBDGA-001-02	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
Q1664-09	P001-BBDGA-002-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-10	P001-BBDGA-002-01	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
Q1664-11	P001-BBDGA-003-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	

LAB CHRONICLE

Q1664-12	P001-BBDGA-003-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
Q1664-13	P001-BBDGA-004-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
Q1664-14	P001-BBDGA-004-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
Q1664-15	P001-BBDGA-005-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-16	P001-BBDGA-005-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
Q1664-17	P001-BBDGA-006-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-18	P001-BBDGA-006-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	04/01/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
Q1664-19	P001-BBDGA-007-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-20	P001-BBDGA-007-01	WATER			03/26/25		03/27/25

LAB CHRONICLE

Q1664-21	P001-BBDGA-008-01	SOIL	SPLP PCB	8082A	03/31/25	03/31/25	03/26/25	03/27/25
			SPLP Pesticide	8081B	03/31/25	03/31/25		
Q1664-22	P001-BBDGA-008-01	WATER	PCB	8082A	03/28/25	03/28/25	03/26/25	03/27/25
			Pesticide-TCL	8081B	03/28/25	03/28/25		
			EPH	NJEPH	03/28/25	03/28/25		
			EPH	NJEPH	03/28/25	03/29/25		
			SPLP PCB	8082A	03/31/25	04/01/25		
			SPLP Pesticide	8081B	03/31/25	03/31/25		

Hit Summary Sheet
SW-846

SDG No.: Q1664

Order ID: Q1664

Client: Weston Solutions, Inc.

Project ID: RFP 905

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P001-BBDGA-004-01							
Q1664-14	P001-BBDGA-004-01	WATER alpha-BHC	0.013	J	0.0039	0.050	ug/L
Total Concentration:			0.013				



QC SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Surrogate Summary

SDG No.: **Q1664**

Client: **Weston Solutions, Inc.**

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-PL094959.D	PIBLK-PL094959.D	Decachlorobiphenyl	1	20	22.6	113		43	140
		Tetrachloro-m-xylene	1	20	19.7	98		77	126
		Decachlorobiphenyl	2	20	20.1	101		43	140
		Tetrachloro-m-xylene	2	20	20.2	101		77	126
PB167395BL	PB167395BL	Decachlorobiphenyl	1	20	20.8	104		43	140
		Tetrachloro-m-xylene	1	20	18.1	90		77	126
		Decachlorobiphenyl	2	20	19.9	100		43	140
		Tetrachloro-m-xylene	2	20	19.4	97		77	126
PB167395TB	PB167395TB	Decachlorobiphenyl	1	20	23.1	116		43	140
		Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	22.8	114		43	140
		Tetrachloro-m-xylene	2	20	22.0	110		77	126
Q1664-04	P001-BBDGA-001-01	Decachlorobiphenyl	1	20	24.8	124		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	24.0	120		43	140
		Tetrachloro-m-xylene	2	20	23.3	116		77	126
Q1664-05MS	P001-BBDGA-001-01MS	Decachlorobiphenyl	1	20	23.2	116		43	140
		Tetrachloro-m-xylene	1	20	21.4	107		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	23.2	116		77	126
Q1664-06MSD	P001-BBDGA-001-01MSD	Decachlorobiphenyl	1	20	22.2	111		43	140
		Tetrachloro-m-xylene	1	20	20.7	104		77	126
		Decachlorobiphenyl	2	20	20.9	105		43	140
		Tetrachloro-m-xylene	2	20	21.7	109		77	126
Q1664-08	P001-BBDGA-001-02	Decachlorobiphenyl	1	20	21.7	109		43	140
		Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	23.4	117		77	126
Q1664-10	P001-BBDGA-002-01	Decachlorobiphenyl	1	20	18.2	91		43	140
		Tetrachloro-m-xylene	1	20	17.1	86		77	126
		Decachlorobiphenyl	2	20	17.7	88		43	140
		Tetrachloro-m-xylene	2	20	21.4	107		77	126
I.BLK-PL094969.D	PIBLK-PL094969.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	100		77	126
		Decachlorobiphenyl	2	20	21.6	108		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
Q1664-12	P001-BBDGA-003-01	Decachlorobiphenyl	1	20	22.2	111		43	140

Surrogate Summary

SDG No.: **Q1664**

Client: **Weston Solutions, Inc.**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1664-12	P001-BBDGA-003-01	Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
Q1664-14	P001-BBDGA-004-01	Tetrachloro-m-xylene	2	20	22.6	113		77	126
		Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	19.4	97		77	126
		Decachlorobiphenyl	2	20	22.8	114		43	140
		Tetrachloro-m-xylene	2	20	24.1	121		77	126
Q1664-16	P001-BBDGA-005-01	Decachlorobiphenyl	1	20	26.6	133		43	140
		Tetrachloro-m-xylene	1	20	23.0	115		77	126
		Decachlorobiphenyl	2	20	25.1	126		43	140
		Tetrachloro-m-xylene	2	20	25.8	129	*	77	126
Q1664-18	P001-BBDGA-006-01	Decachlorobiphenyl	1	20	25.7	129		43	140
		Tetrachloro-m-xylene	1	20	23.5	118		77	126
		Decachlorobiphenyl	2	20	25.6	128		43	140
		Tetrachloro-m-xylene	2	20	25.5	127	*	77	126
Q1664-20	P001-BBDGA-007-01	Decachlorobiphenyl	1	20	26.9	134		43	140
		Tetrachloro-m-xylene	1	20	23.0	115		77	126
		Decachlorobiphenyl	2	20	25.9	129		43	140
		Tetrachloro-m-xylene	2	20	25.5	127	*	77	126
Q1664-22	P001-BBDGA-008-01	Decachlorobiphenyl	1	20	25.6	128		43	140
		Tetrachloro-m-xylene	1	20	22.3	112		77	126
		Decachlorobiphenyl	2	20	25.3	127		43	140
		Tetrachloro-m-xylene	2	20	24.5	123		77	126
		Decachlorobiphenyl	1	20	23.3	117		43	140
I.BLK-PL094978.D	PIBLK-PL094978.D	Tetrachloro-m-xylene	1	20	19.6	98		77	126
		Decachlorobiphenyl	2	20	22.7	114		43	140
		Tetrachloro-m-xylene	2	20	20.1	101		77	126
		Decachlorobiphenyl	1	20	23.0	115		43	140
I.BLK-PL095027.D	PIBLK-PL095027.D	Tetrachloro-m-xylene	1	20	20.2	101		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
		Decachlorobiphenyl	1	20	21.9	110		43	140
PB167395BS	PB167395BS	Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	20.3	101		43	140
		Tetrachloro-m-xylene	2	20	19.0	95		77	126
		Decachlorobiphenyl	1	20	20.1	100		43	140
I.BLK-PL095040.D	PIBLK-PL095040.D	Tetrachloro-m-xylene	1	20	19.7	99		77	126
		Decachlorobiphenyl	2	20	14.8	74		43	140
		Tetrachloro-m-xylene	2	20	20.1	101		77	126
		Decachlorobiphenyl	1	20	20.1	100		43	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8081B

DataFile : PL094965.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-BBDGA-001-01MS											
Q1664-05MS	alpha-BHC	0.5	0	0.55	ug/L	110				46	160	
	beta-BHC	0.5	0	0.55	ug/L	111				15	175	
	delta-BHC	0.5	0	0.55	ug/L	110				10	175	
	gamma-BHC (Lindane)	0.5	0	0.55	ug/L	110				60	152	
	Heptachlor	0.5	0	0.48	ug/L	95				56	147	
	Aldrin	0.5	0	0.47	ug/L	94				45	147	
	Heptachlor epoxide	0.5	0	0.53	ug/L	106				77	143	
	Endosulfan I	0.5	0	0.53	ug/L	107				34	157	
	Dieldrin	0.5	0	0.54	ug/L	108				46	155	
	4,4'-DDE	0.5	0	0.55	ug/L	109				36	162	
	Endrin	0.5	0	0.56	ug/L	111				76	144	
	Endosulfan II	0.5	0	0.54	ug/L	109				21	168	
	4,4'-DDD	0.5	0	0.60	ug/L	119				15	175	
	Endosulfan sulfate	0.5	0	0.55	ug/L	111				14	183	
	4,4'-DDT	0.5	0	0.56	ug/L	112				15	175	
	Methoxychlor	0.5	0	0.58	ug/L	116				70	142	
	Endrin ketone	0.5	0	0.56	ug/L	111				25	172	
	Endrin aldehyde	0.5	0	0.51	ug/L	102				28	175	
	alpha-Chlordane	0.5	0	0.52	ug/L	104				34	160	
	gamma-Chlordane	0.5	0	0.52	ug/L	104				31	163	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8081B

DataFile : PL094966.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-BBDGA-001-01MSD											
Q1664-06MSD	alpha-BHC	0.5	0	0.52	ug/L	105		5		46	160	20
	beta-BHC	0.5	0	0.53	ug/L	105		6		15	175	20
	delta-BHC	0.5	0	0.52	ug/L	104		6		10	175	20
	gamma-BHC (Lindane)	0.5	0	0.53	ug/L	105		5		60	152	20
	Heptachlor	0.5	0	0.45	ug/L	90		5		56	147	20
	Aldrin	0.5	0	0.44	ug/L	87		8		45	147	22
	Heptachlor epoxide	0.5	0	0.50	ug/L	100		6		77	143	20
	Endosulfan I	0.5	0	0.51	ug/L	101		6		34	157	20
	Dieldrin	0.5	0	0.51	ug/L	101		7		46	155	20
	4,4'-DDE	0.5	0	0.52	ug/L	104		5		36	162	20
	Endrin	0.5	0	0.52	ug/L	105		6		76	144	20
	Endosulfan II	0.5	0	0.51	ug/L	103		6		21	168	20
	4,4'-DDD	0.5	0	0.57	ug/L	113		5		15	175	20
	Endosulfan sulfate	0.5	0	0.52	ug/L	104		7		14	183	20
	4,4'-DDT	0.5	0	0.53	ug/L	106		6		15	175	20
	Methoxychlor	0.5	0	0.54	ug/L	109		6		70	142	20
	Endrin ketone	0.5	0	0.52	ug/L	105		6		25	172	20
	Endrin aldehyde	0.5	0	0.49	ug/L	97		5		28	175	20
	alpha-Chlordane	0.5	0	0.49	ug/L	98		6		34	160	20
	gamma-Chlordane	0.5	0	0.49	ug/L	97		7		31	163	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Datafile : PL095030.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167395BS	alpha-BHC	0.5	0.49	ug/L	98				85	130		
	beta-BHC	0.5	0.47	ug/L	94				83	126		
	delta-BHC	0.5	0.46	ug/L	92				69	141		
	gamma-BHC (Lindane)	0.5	0.47	ug/L	94				82	129		
	Heptachlor	0.5	0.45	ug/L	90				79	127		
	Aldrin	0.5	0.45	ug/L	90				79	126		
	Heptachlor epoxide	0.5	0.46	ug/L	92				81	124		
	Endosulfan I	0.5	0.47	ug/L	93				85	122		
	Dieldrin	0.5	0.48	ug/L	96				83	125		
	4,4'-DDE	0.5	0.51	ug/L	103				80	127		
	Endrin	0.5	0.48	ug/L	96				81	128		
	Endosulfan II	0.5	0.48	ug/L	96				82	123		
	4,4'-DDD	0.5	0.55	ug/L	110				77	131		
	Endosulfan sulfate	0.5	0.49	ug/L	98				76	129		
	4,4'-DDT	0.5	0.51	ug/L	101				80	133		
	Methoxychlor	0.5	0.53	ug/L	107				78	108		
	Endrin ketone	0.5	0.52	ug/L	104				80	131		
	Endrin aldehyde	0.5	0.48	ug/L	96				82	127		
	alpha-Chlordane	0.5	0.46	ug/L	92				82	125		
	gamma-Chlordane	0.5	0.46	ug/L	92				82	125		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167395BL

Lab Name: CHEMTECH

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: PB167395BL

Lab File ID: PL094961.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/31/2025

Date Analyzed (1): 03/31/2025

Date Analyzed (2): 03/31/2025

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
PB167395TB	PB167395TB	PL094963.D	03/31/2025	03/31/2025
P001-BBDGA-001-01	Q1664-04	PL094964.D	03/31/2025	03/31/2025
P001-BBDGA-001-01MS	Q1664-05MS	PL094965.D	03/31/2025	03/31/2025
P001-BBDGA-001-01MSD	Q1664-06MSD	PL094966.D	03/31/2025	03/31/2025
P001-BBDGA-001-02	Q1664-08	PL094967.D	03/31/2025	03/31/2025
P001-BBDGA-002-01	Q1664-10	PL094968.D	03/31/2025	03/31/2025
P001-BBDGA-003-01	Q1664-12	PL094972.D	03/31/2025	03/31/2025
P001-BBDGA-004-01	Q1664-14	PL094973.D	03/31/2025	03/31/2025
P001-BBDGA-005-01	Q1664-16	PL094974.D	03/31/2025	03/31/2025
P001-BBDGA-006-01	Q1664-18	PL094975.D	03/31/2025	03/31/2025
P001-BBDGA-007-01	Q1664-20	PL094976.D	03/31/2025	03/31/2025
P001-BBDGA-008-01	Q1664-22	PL094977.D	03/31/2025	03/31/2025
PB167395BS	PB167395BS	PL095030.D	04/03/2025	04/03/2025

COMMENTS: _____



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:	03/31/25	
Client Sample ID:	PB167395TB		SDG No.:	Q1664	
Lab Sample ID:	PB167395TB		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094963.D	1	03/31/25 12:10	03/31/25 18:24	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.1		43 - 140	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		77 - 126	110%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PB167395TB	SDG No.:	Q1664
Lab Sample ID:	PB167395TB	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094963.D	1	03/31/25 12:10	03/31/25 18:24	PB167395

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\PL033125\
Data File : PL094963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:24
Operator : AR\AJ
Sample : PB167395TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167395TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:57 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...	3.537	2.770	59518455	78558940	21.026	22.010
28) SA Decachlor...	9.056	7.903	48719339	92067672	23.118	22.793

Target Compounds

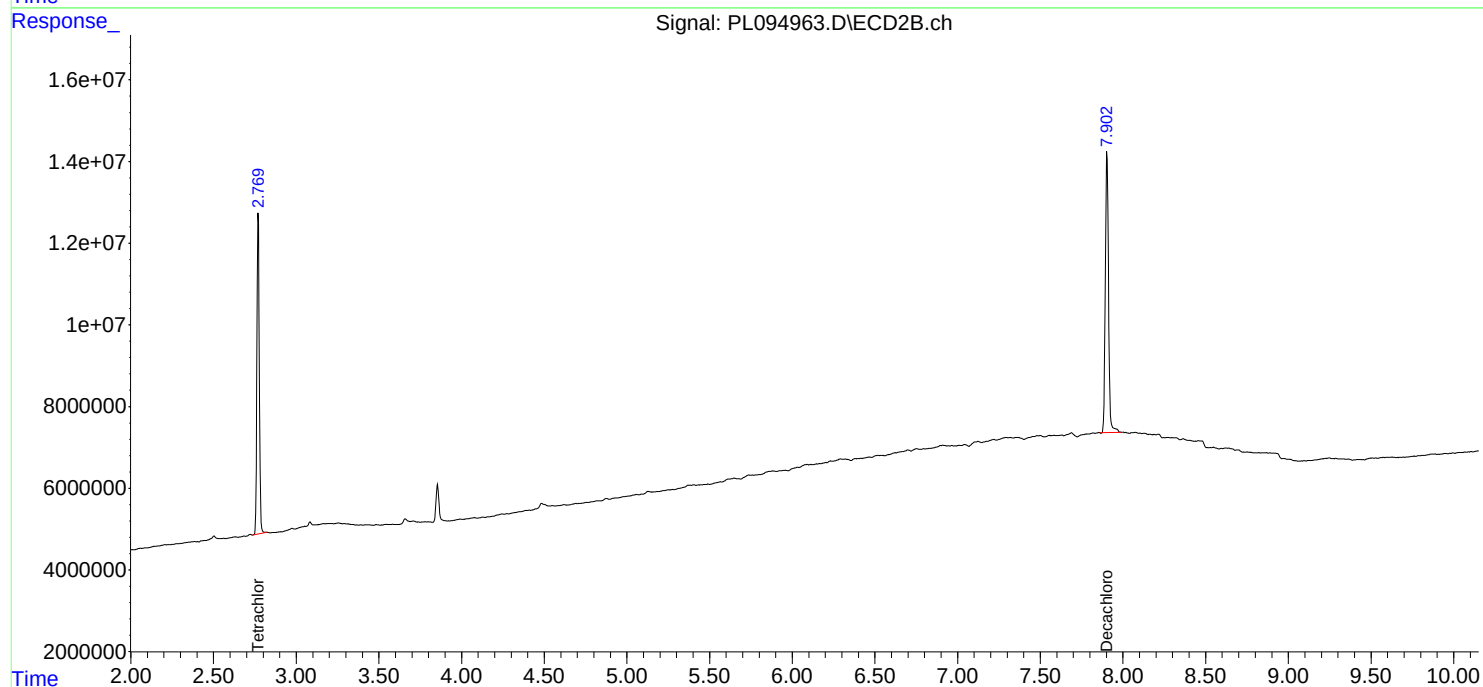
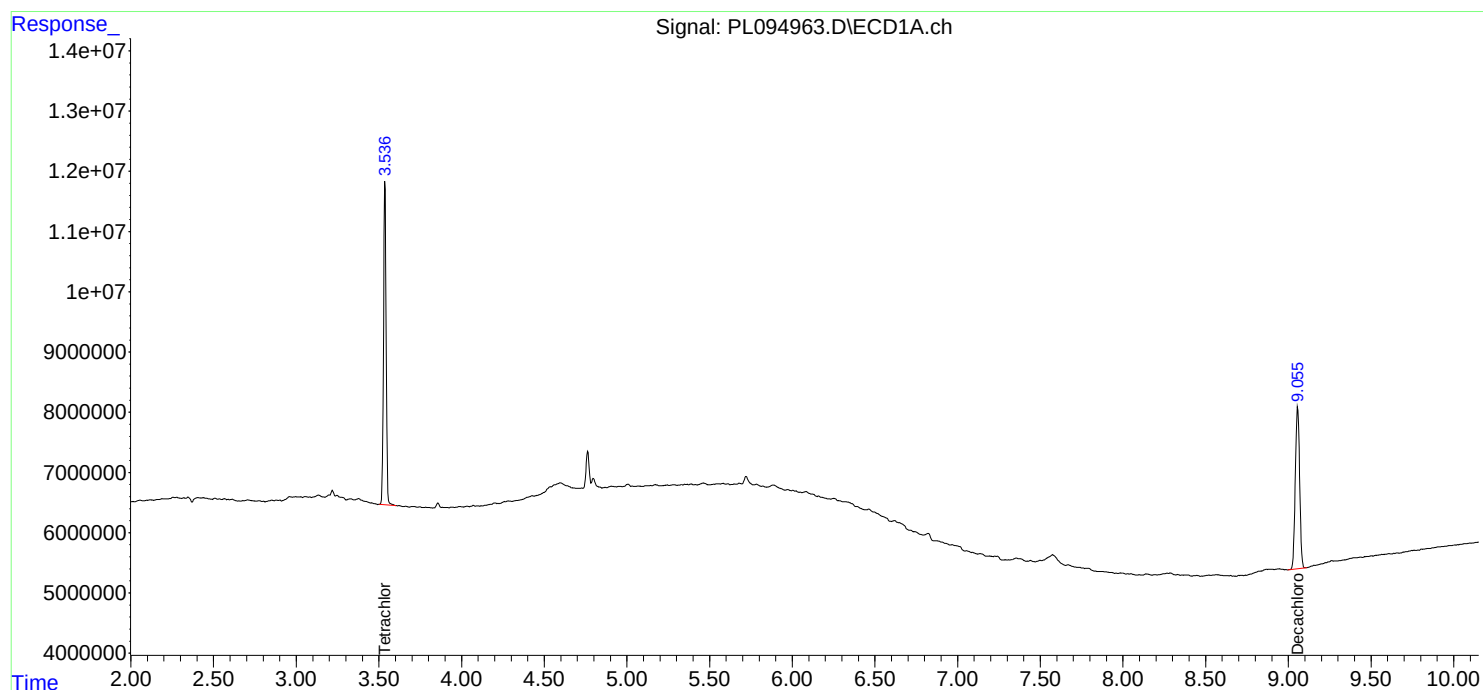
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

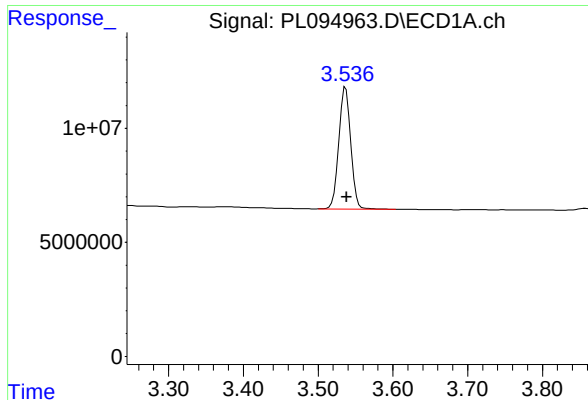
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094963.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:24
Operator : AR\AJ
Sample : PB167395TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167395TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:57 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

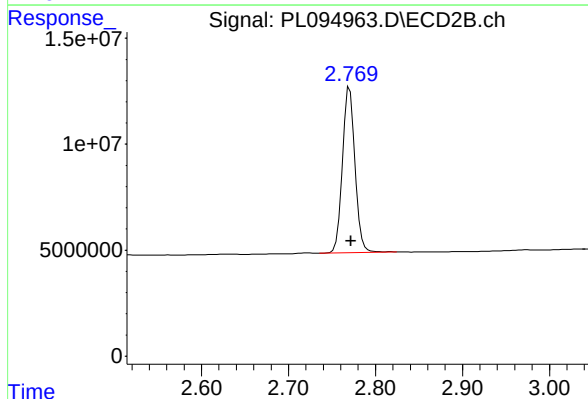




#1 Tetrachloro-m-xylene

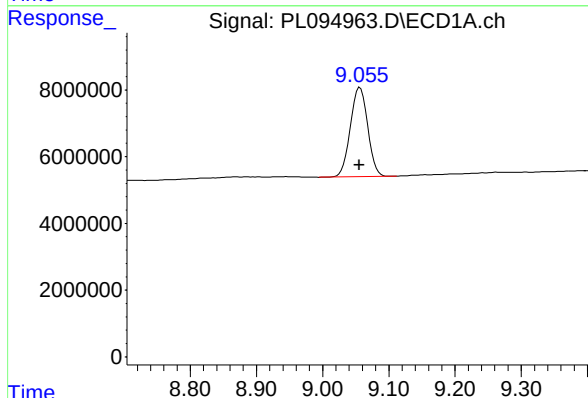
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 59518455
Conc: 21.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395TB



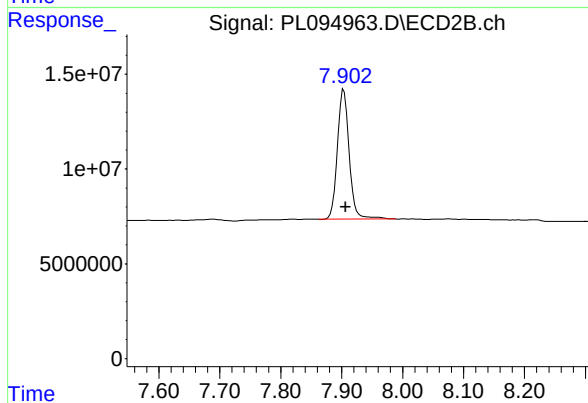
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 78558940
Conc: 22.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 48719339
Conc: 23.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 92067672
Conc: 22.79 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-04	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094964.D	1	03/31/25 12:10	03/31/25 18:37	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.8		43 - 140	124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		77 - 126	116%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-04		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094964.D	1	03/31/25 12:10	03/31/25 18:37	PB167395

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\PL033125\
 Data File : PL094964.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 18:37
 Operator : AR\AJ
 Sample : Q1664-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-BBDGA-001-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:14:08 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	2.770	61266883	83123281	21.644m	23.289
28) SA Decachlor...	9.056	7.904	52162993	96792667	24.752	23.962

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094964.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:37
Operator : AR\AJ
Sample : Q1664-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

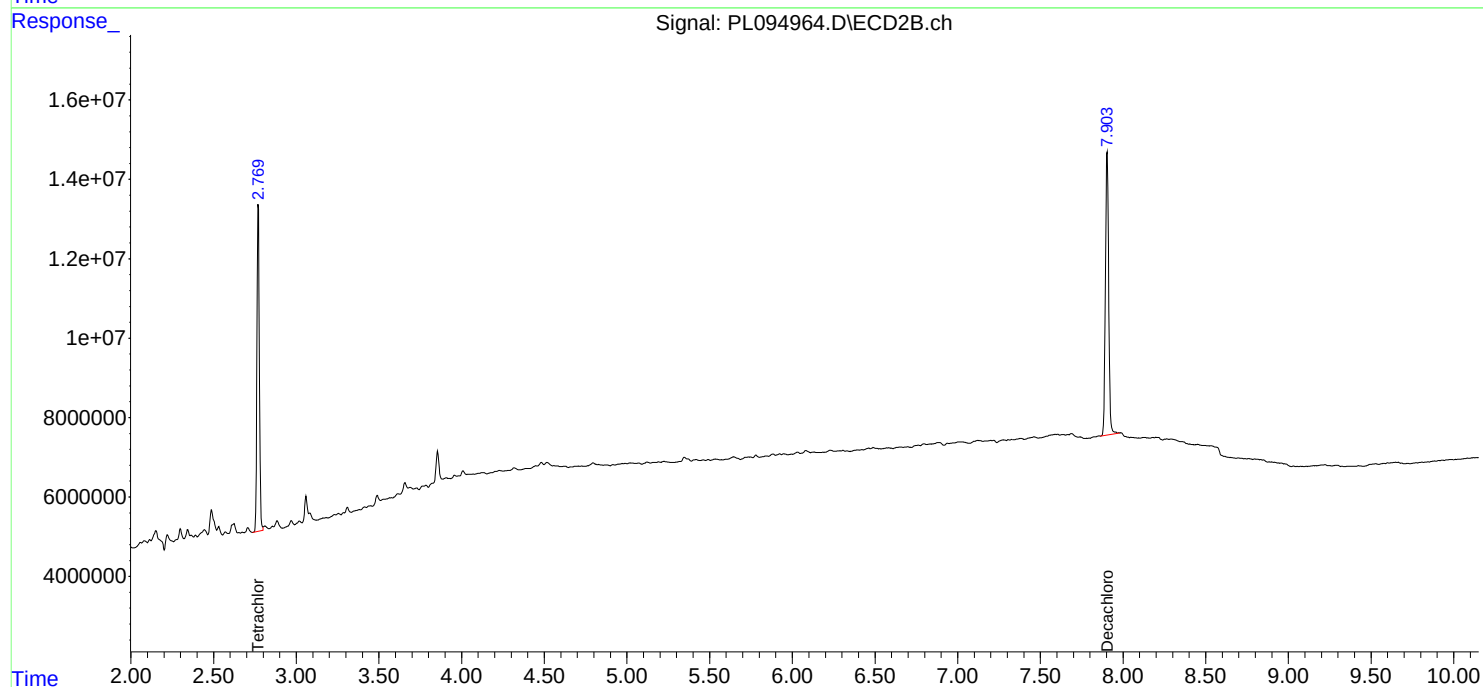
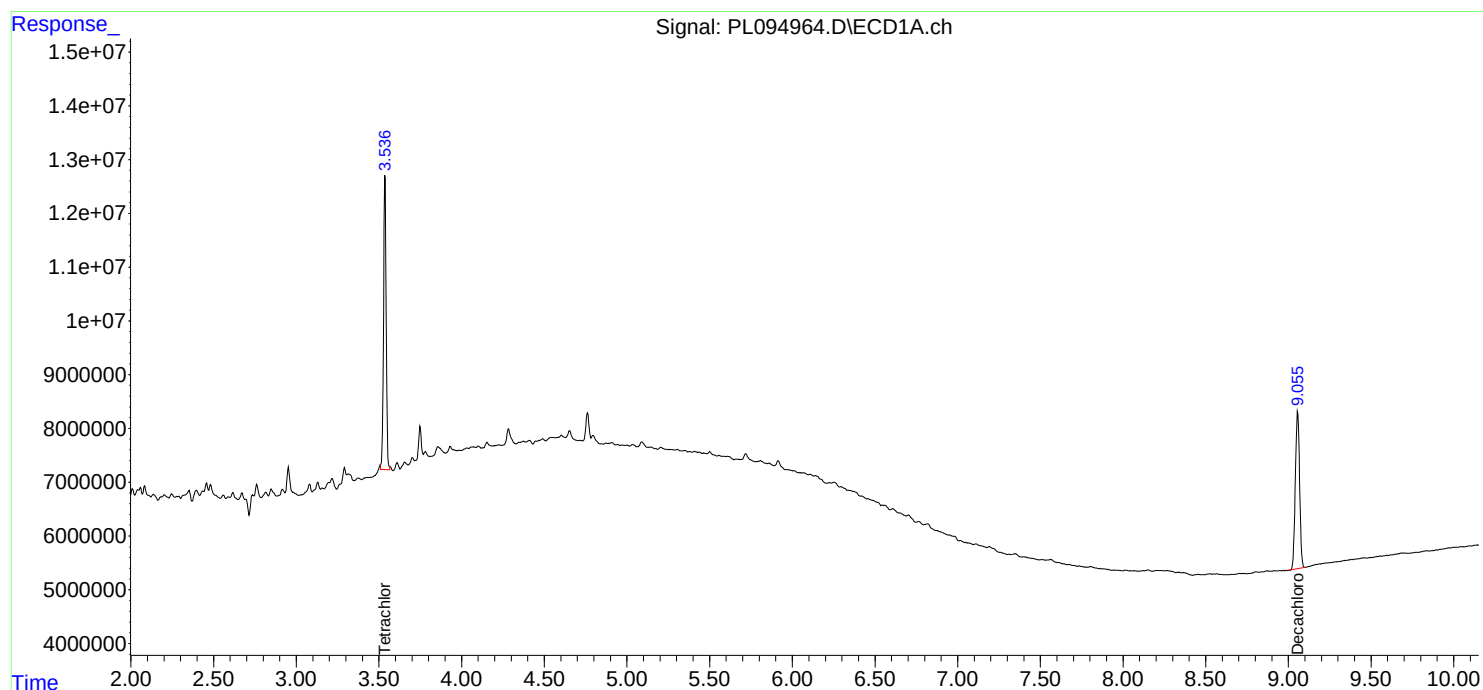
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01

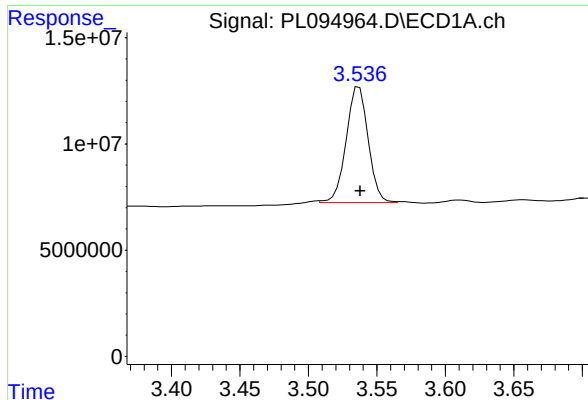
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:14:08 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: 61266883
Conc: 21.64 ng/ml

Instrument :

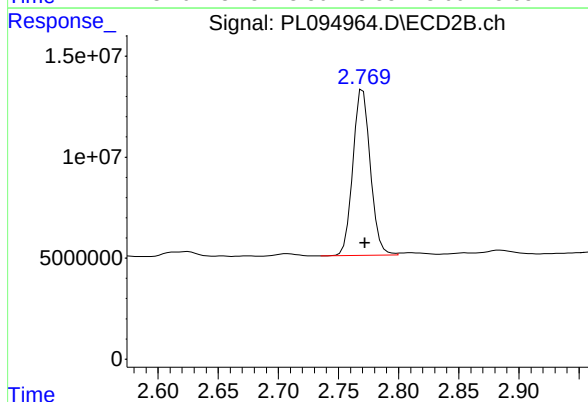
ECD_L

ClientSampleId :

P001-BBDGA-001-01

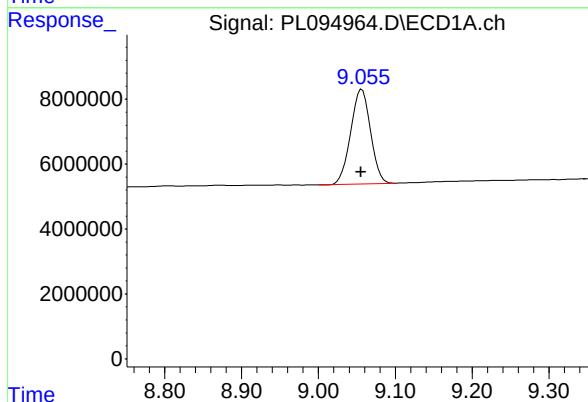
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



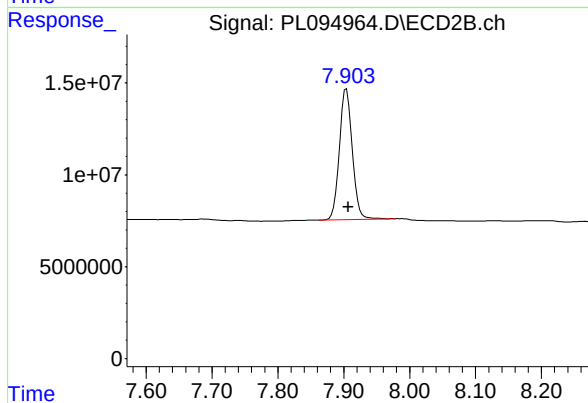
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 83123281
Conc: 23.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 52162993
Conc: 24.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 96792667
Conc: 23.96 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094967.D	1	03/31/25 12:10	03/31/25 19:18	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		43 - 140	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		77 - 126	117%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-02		SDG No.:	Q1664	
Lab Sample ID:	Q1664-08		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094967.D	1	03/31/25 12:10	03/31/25 19:18	PB167395

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\PL033125\
 Data File : PL094967.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 19:18
 Operator : AR\AJ
 Sample : Q1664-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-BBDGA-001-02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:14:51 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	59475038	83576554	21.011m	23.416m
28) SA Decachlor...	9.053	7.904	45814516	87912079	21.739m	21.764

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:18
Operator : AR\AJ
Sample : Q1664-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

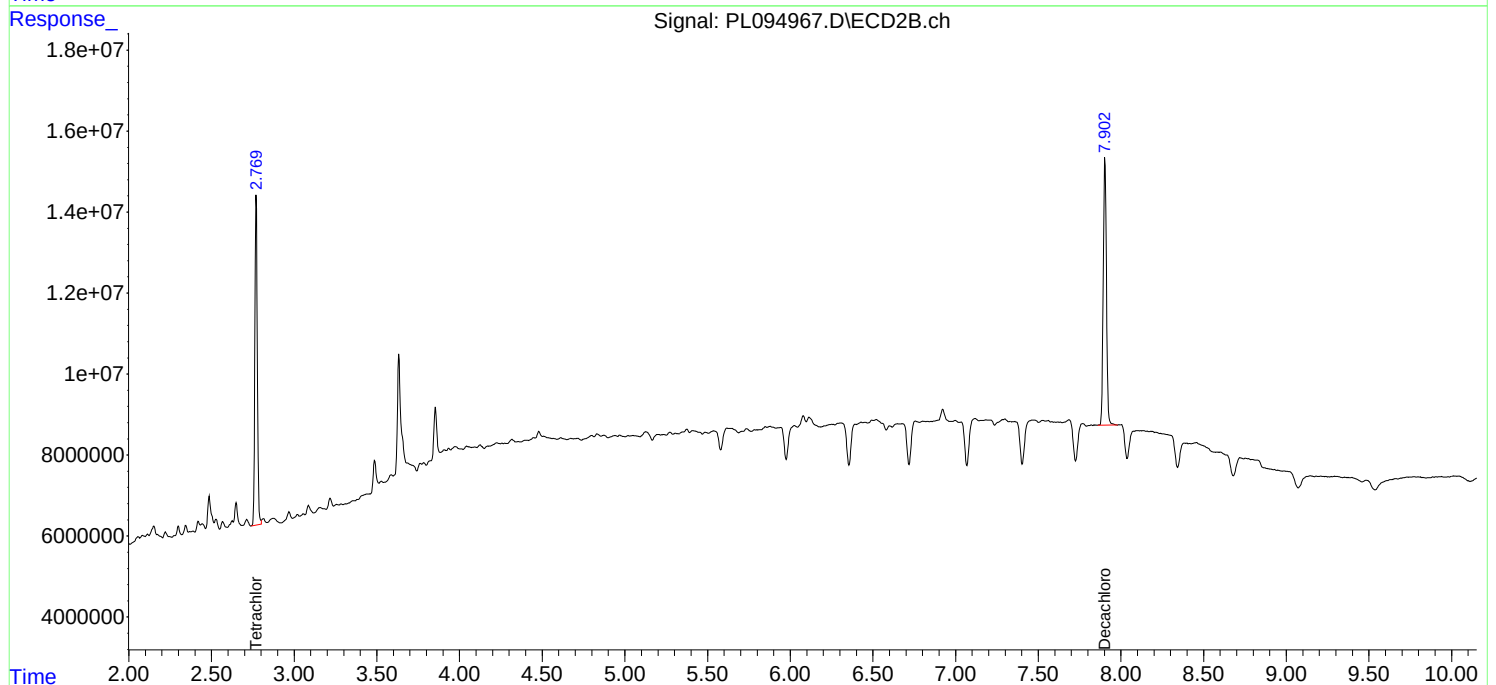
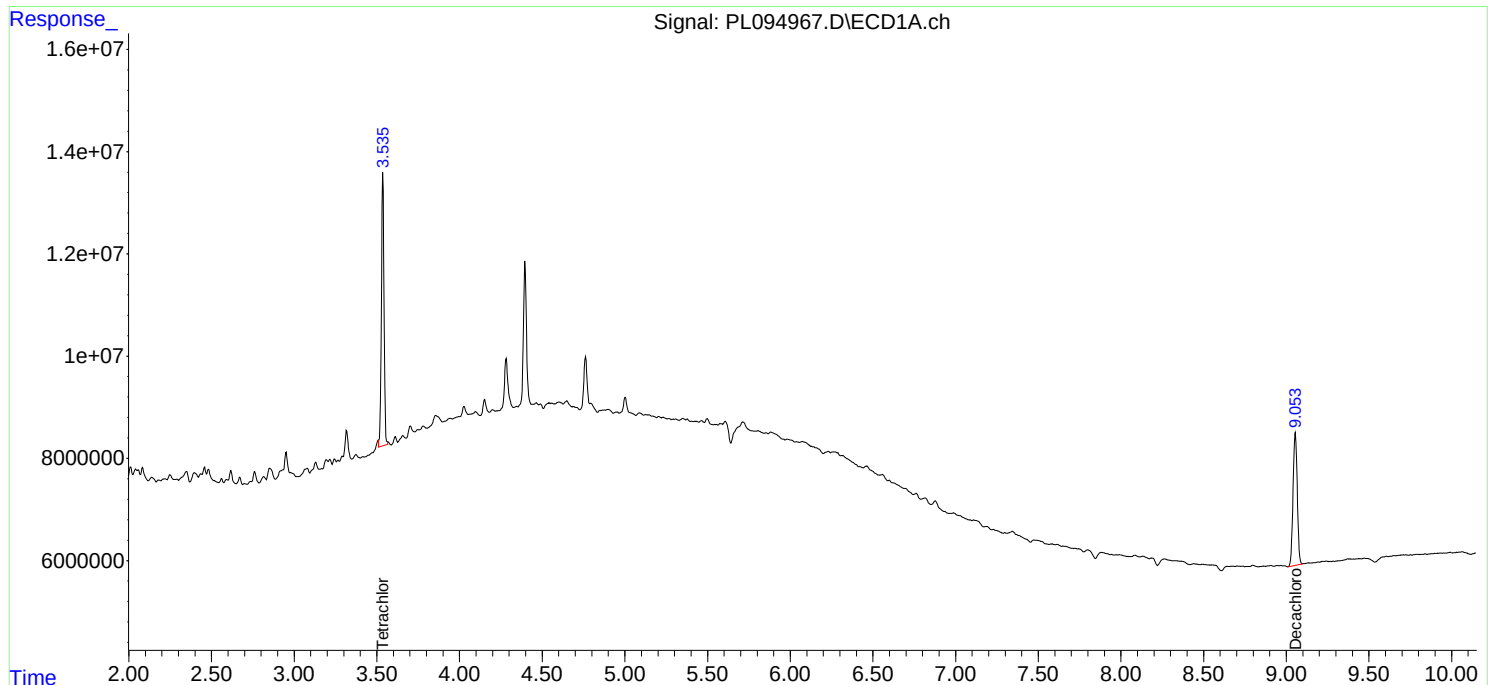
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-02

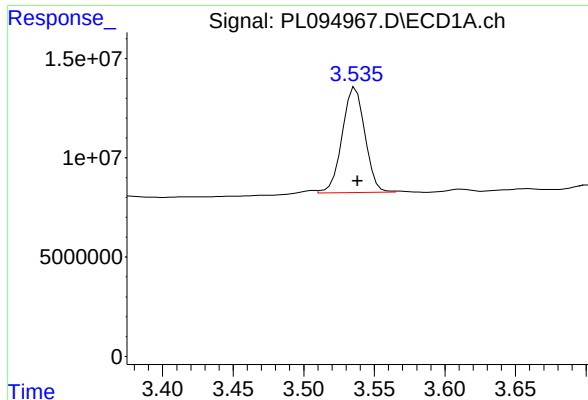
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:14:51 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





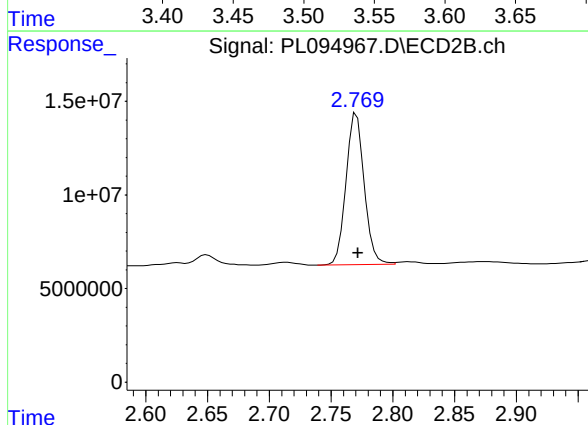
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 59475038
Conc: 21.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-02

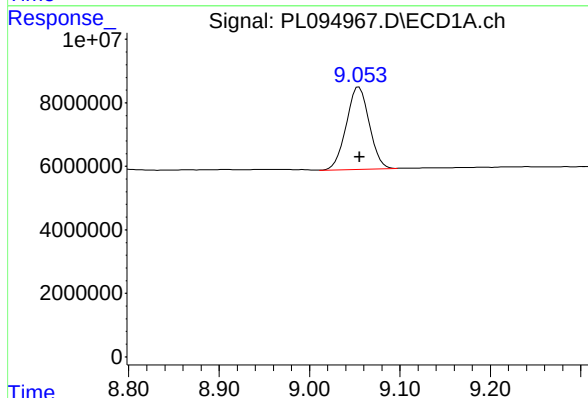
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



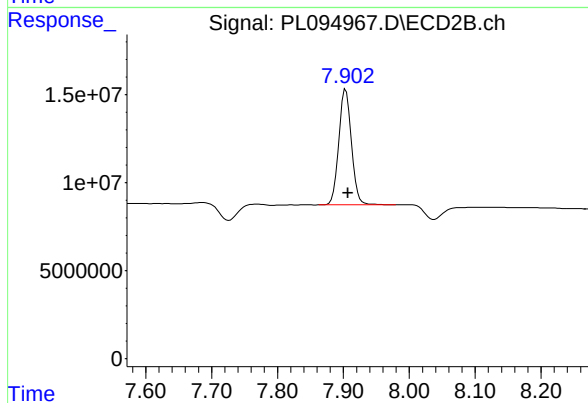
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 83576554
Conc: 23.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 45814516
Conc: 21.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 87912079
Conc: 21.76 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-10	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094968.D	1	03/31/25 12:10	03/31/25 19:32	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		43 - 140	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-002-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-10		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094968.D	1	03/31/25 12:10	03/31/25 19:32	PB167395

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\PL033125\
 Data File : PL094968.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 19:32
 Operator : AR\AJ
 Sample : Q1664-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-BBDGA-002-01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:14:58 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	2.770	48542124	76190678	17.149m	21.346
28) SA Decachlor...	9.053	7.903	38385181	71329723	18.214	17.659

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094968.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:32
Operator : AR\AJ
Sample : Q1664-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

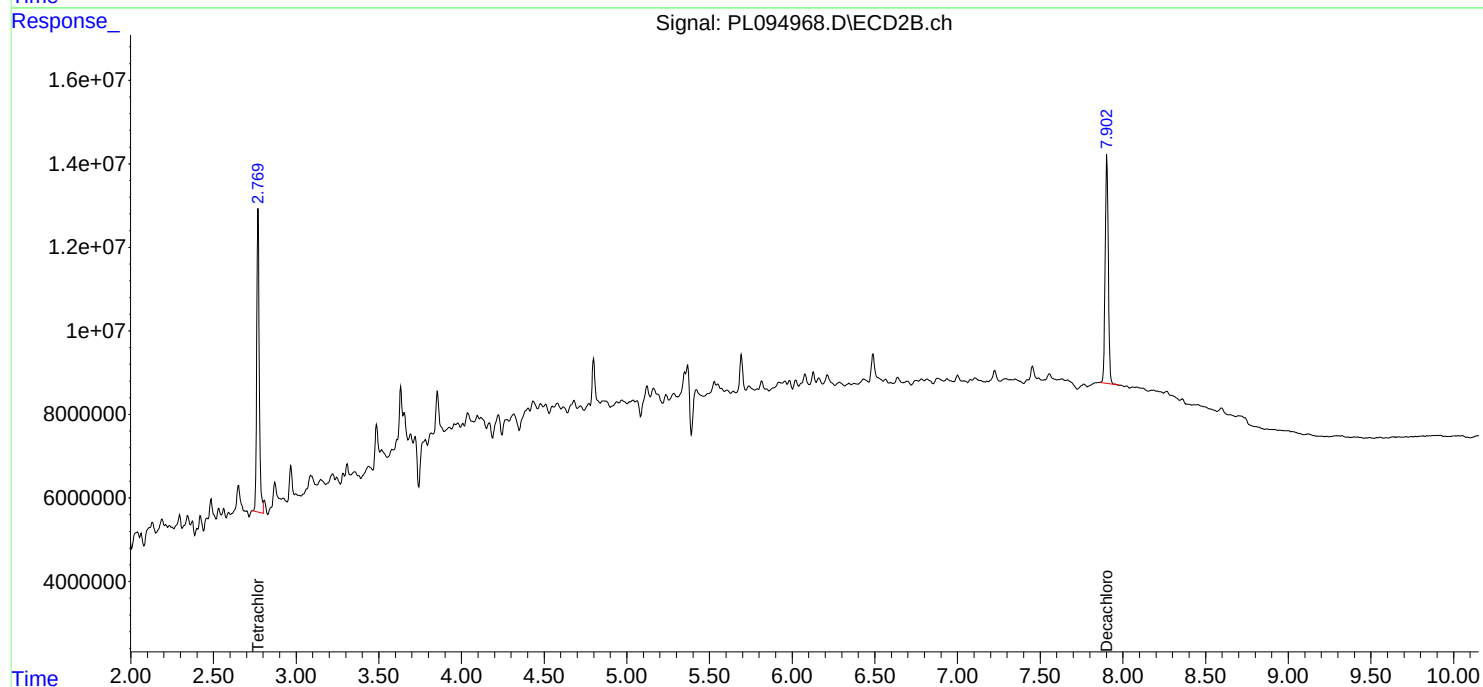
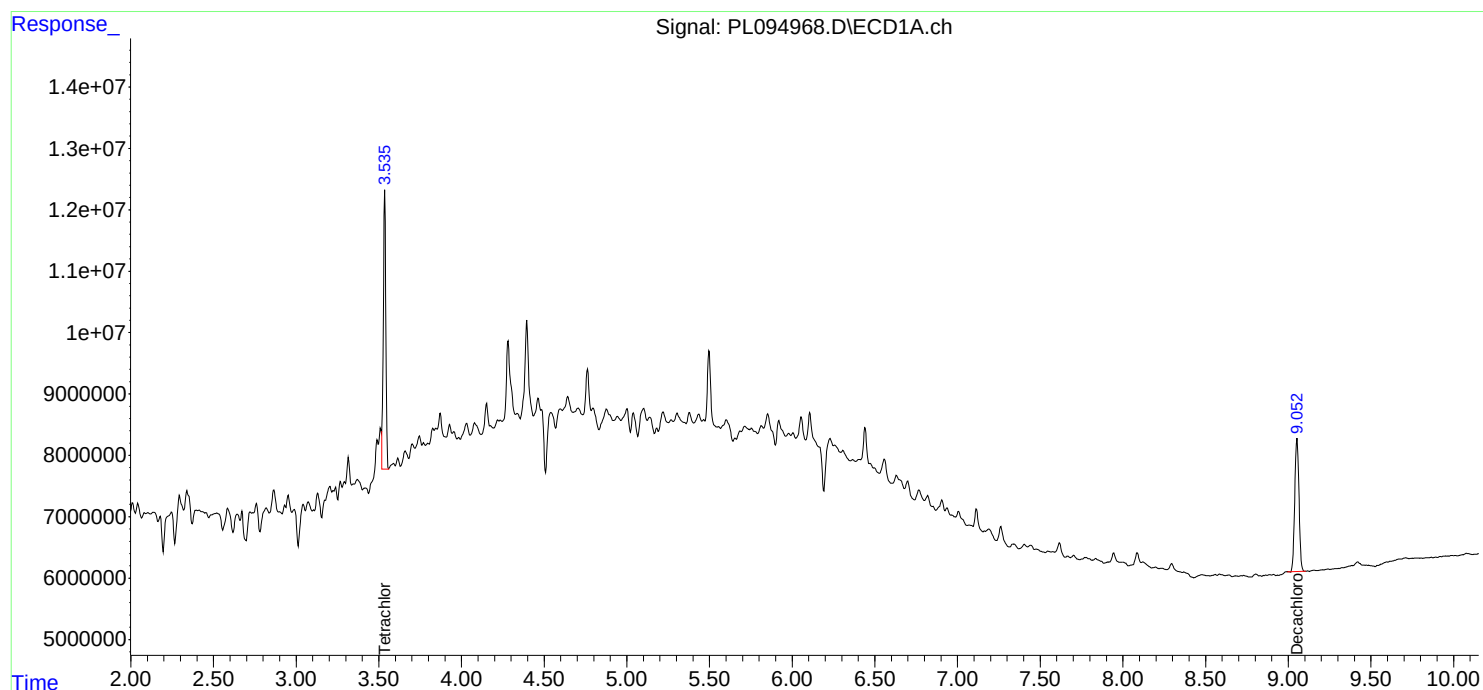
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-002-01

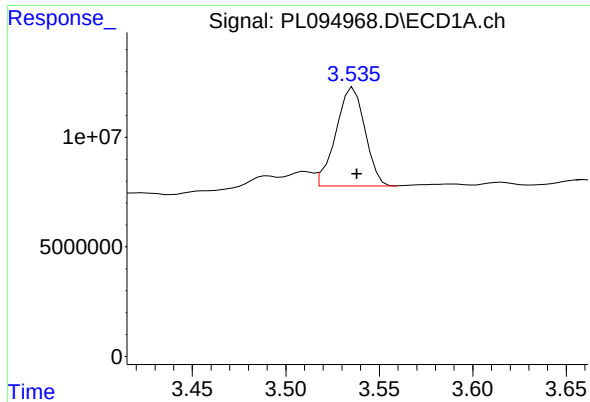
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:14:58 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





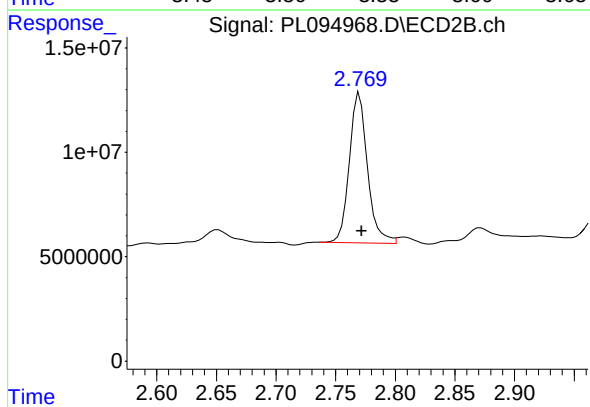
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 48542124
Conc: 17.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-002-01

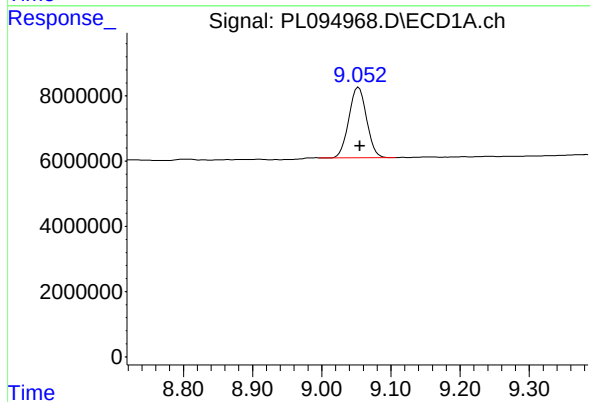
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



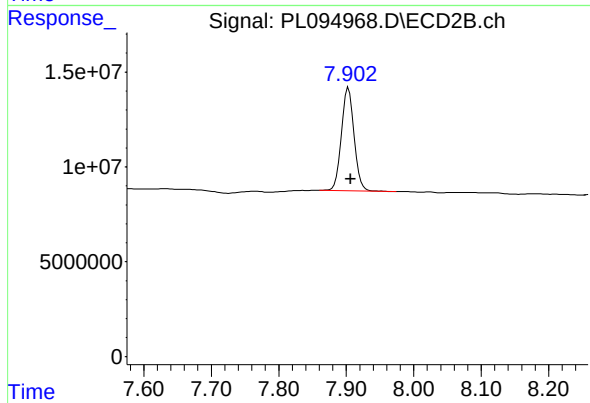
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 76190678
Conc: 21.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 38385181
Conc: 18.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 71329723
Conc: 17.66 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-003-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-12		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094972.D	1	03/31/25 12:10	03/31/25 20:40	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		77 - 126	113%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-003-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-12		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094972.D	1	03/31/25 12:10	03/31/25 20:40	PB167395

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\PL033125\
Data File : PL094972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:40
Operator : AR\AJ
Sample : Q1664-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:42 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...	3.535	2.770	59403770	80498786	20.986m	22.553
28) SA Decachlor...	9.054	7.903	46869965	87703864	22.240	21.712

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:40
Operator : AR\AJ
Sample : Q1664-12
Misc :
ALS Vial : 20 Sample Multiplier: 1

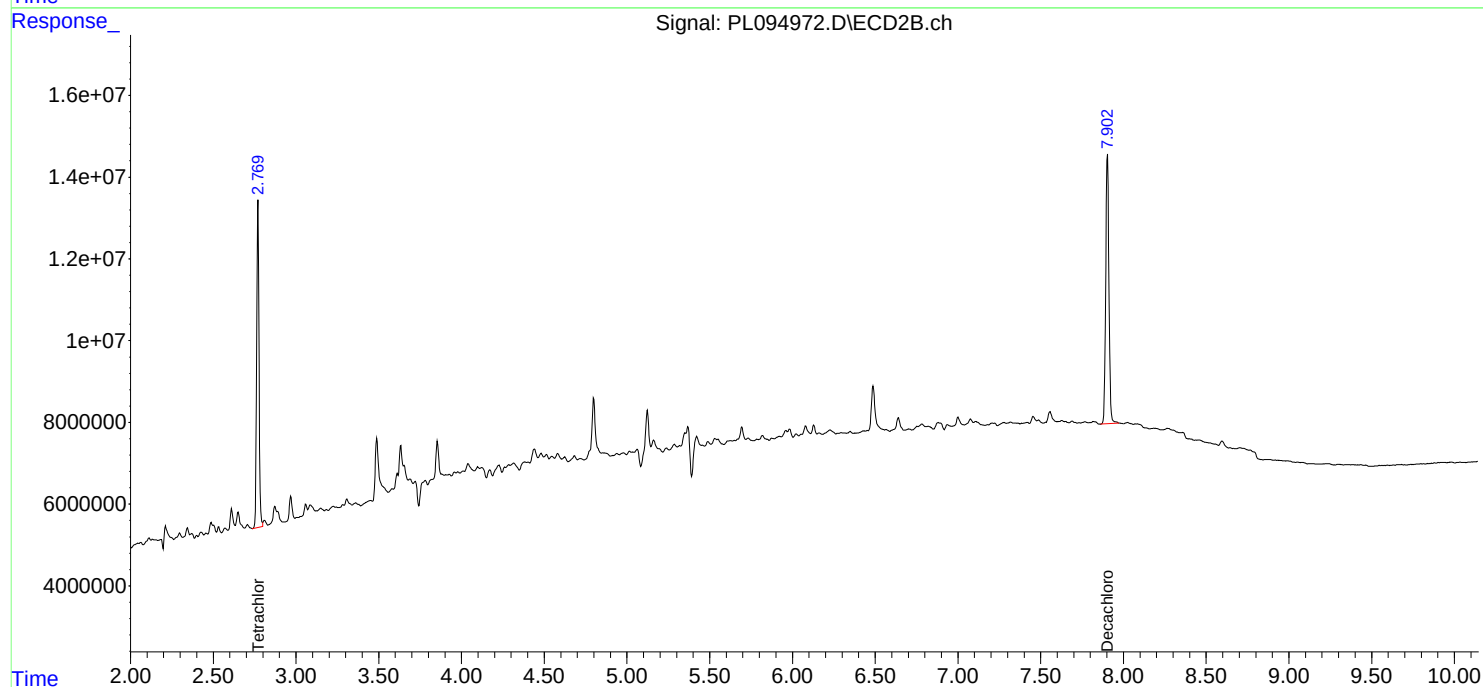
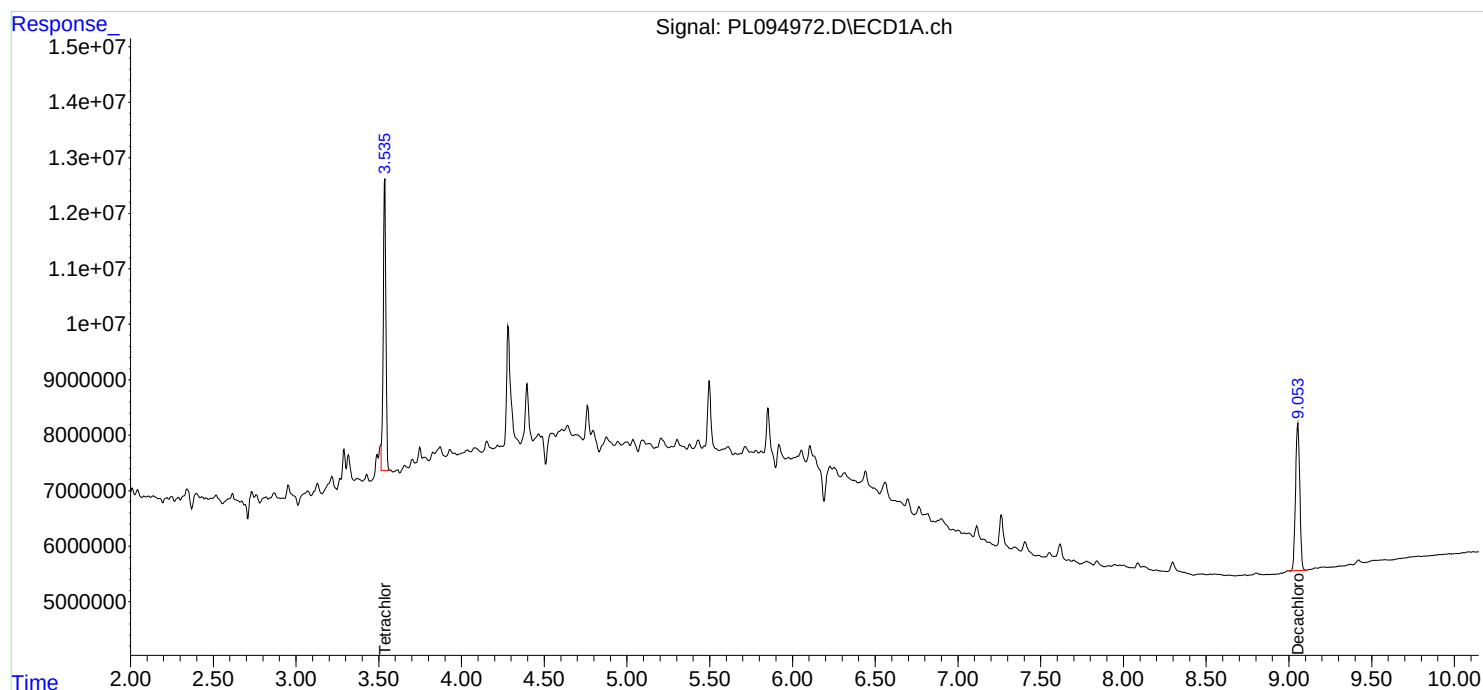
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-003-01

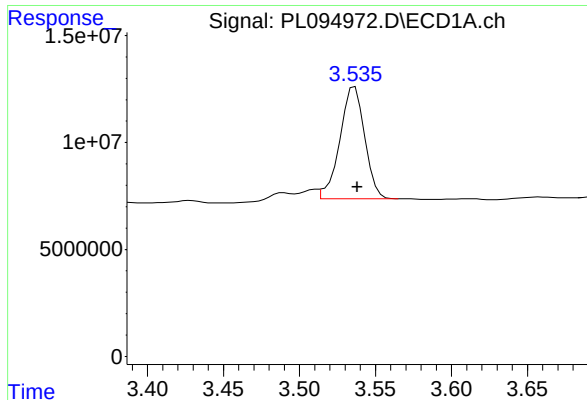
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:42 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.: 3.535 min
Delta R.T.: -0.003 min
Response: 59403770
Conc: 20.99 ng/ml

Instrument :

ECD_L

ClientSampleId :

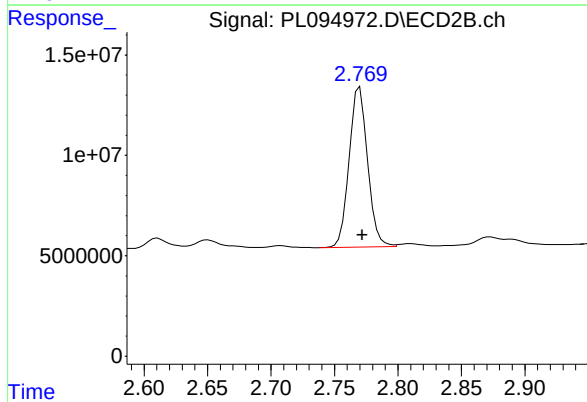
P001-BBDGA-003-01

Manual Integrations

APPROVED

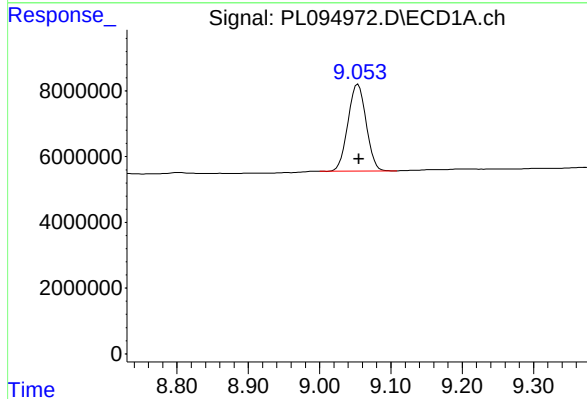
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025



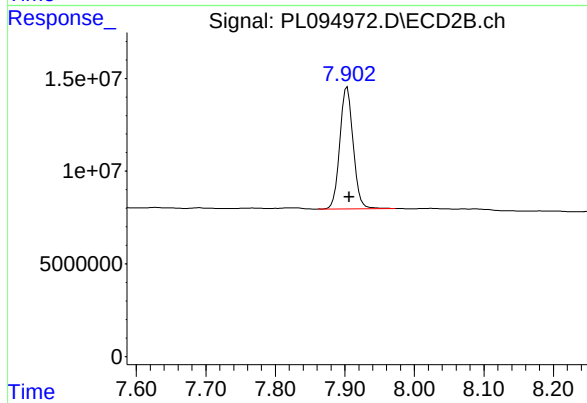
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 80498786
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 46869965
Conc: 22.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 87703864
Conc: 21.71 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-14		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094973.D	1	03/31/25 12:10	03/31/25 20:54	PB167395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.013	J	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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.1		77 - 126	121%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-14		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094973.D	1	03/31/25 12:10	03/31/25 20:54	PB167395

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\PL033125\
Data File : PL094973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:54
Operator : AR\AJ
Sample : Q1664-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:50 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	2.770	54969331	86011789	19.419m	24.098
28) SA Decachlor...	9.053	7.903	48279177	92058581	22.909m	22.790
Target Compounds						
2) A alpha-BHC	3.990	3.271	4839938	6913985	1.166m	1.282m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:54
Operator : AR\AJ
Sample : Q1664-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

P001-BBDGA-004-01

Manual Integrations

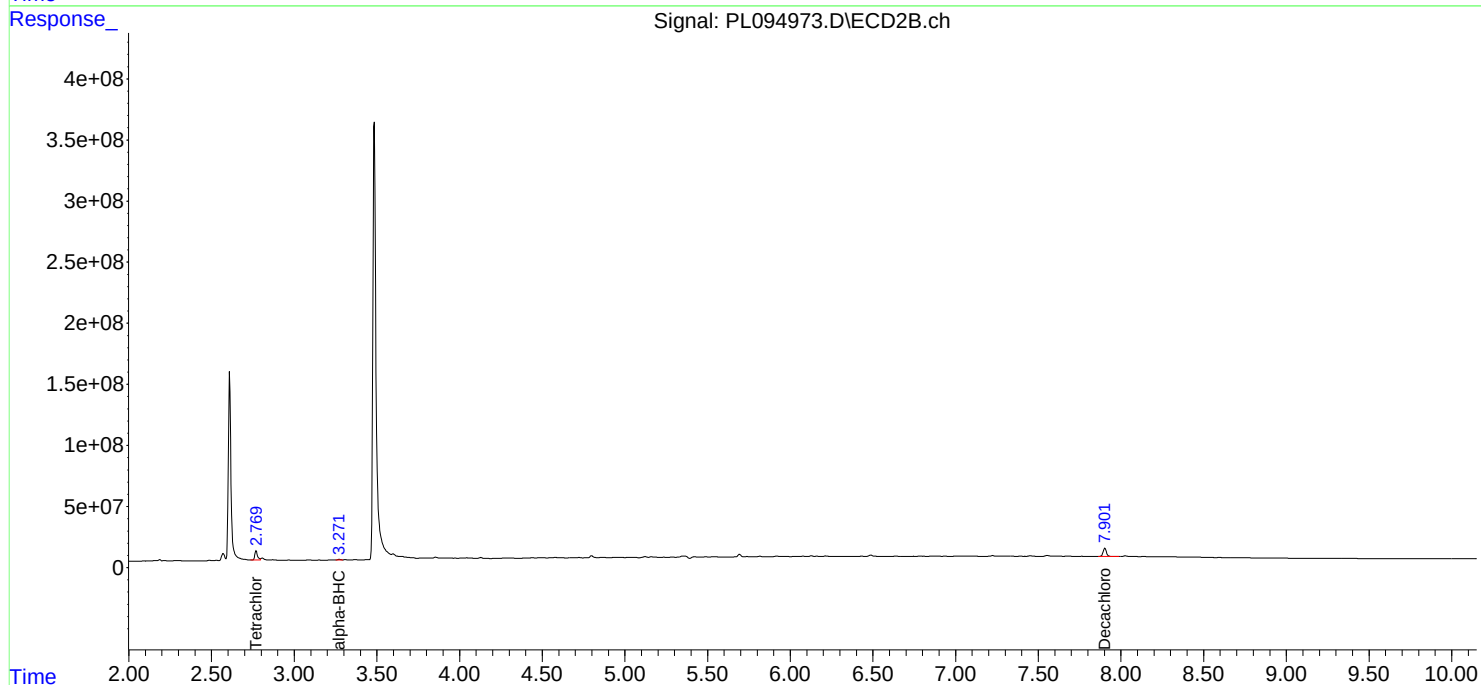
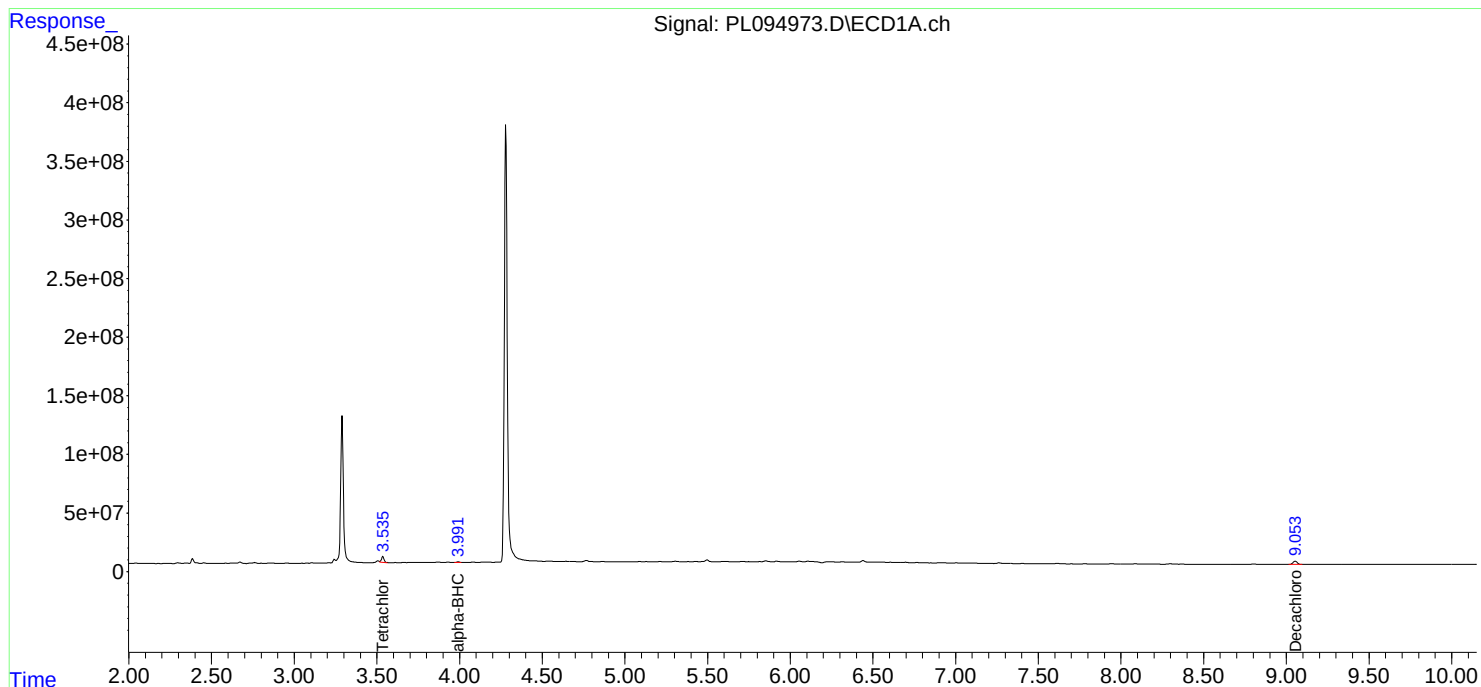
APPROVED

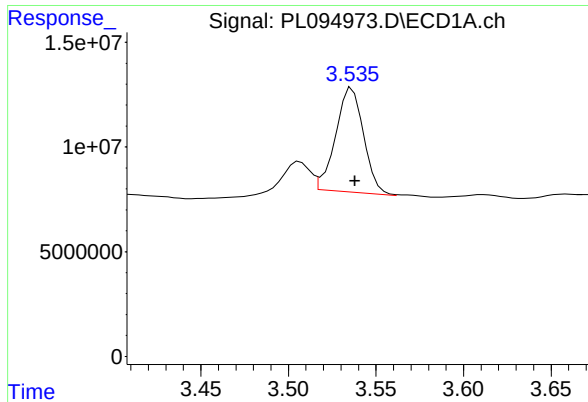
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:50 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





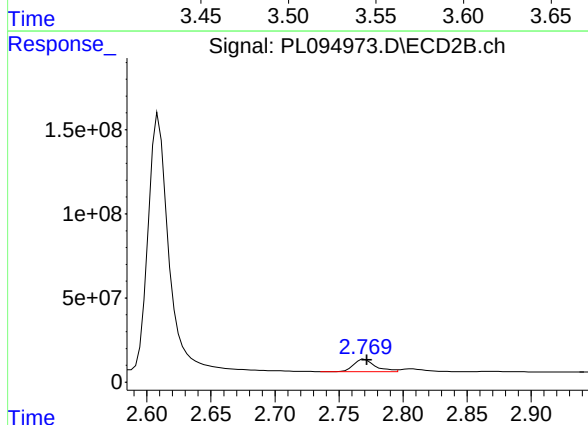
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54969331
Conc: 19.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#1 Tetrachloro-m-xylene

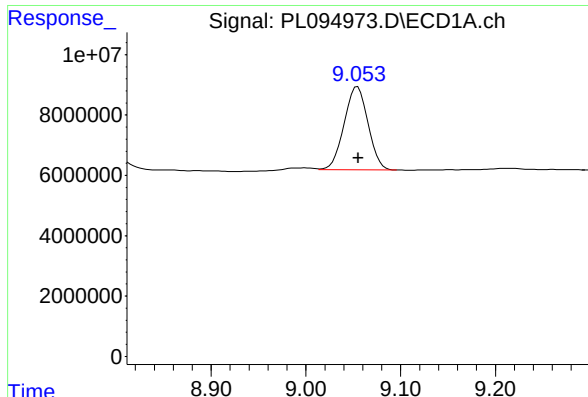
R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 86011789
Conc: 24.10 ng/ml

#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.004 min
Response: 4839938
Conc: 1.17 ng/ml m

#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 6913985
Conc: 1.28 ng/ml m



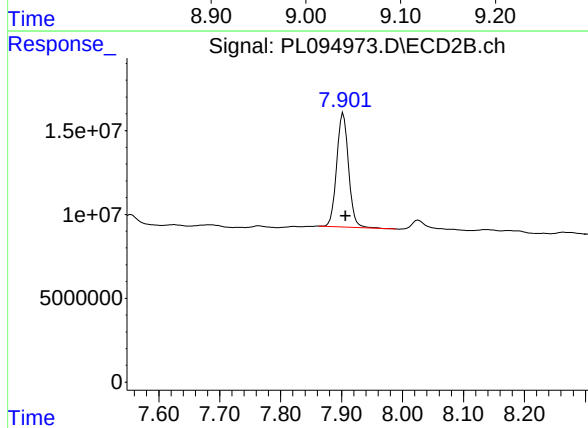
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 48279177
Conc: 22.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 92058581
Conc: 22.79 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-16	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094974.D	1	03/31/25 12:10	03/31/25 21:07	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.6		43 - 140	133%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.8	*	77 - 126	129%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-005-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-16		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094974.D	1	03/31/25 12:10	03/31/25 21:07	PB167395

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\PL033125\
Data File : PL094974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:07
Operator : AR\AJ
Sample : Q1664-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:00 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...	3.535	2.769	64980670	92138140	22.956m	25.814m
28) SA Decachlor...	9.054	7.903	56141327	101.6E6	26.639	25.145

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:07
Operator : AR\AJ
Sample : Q1664-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

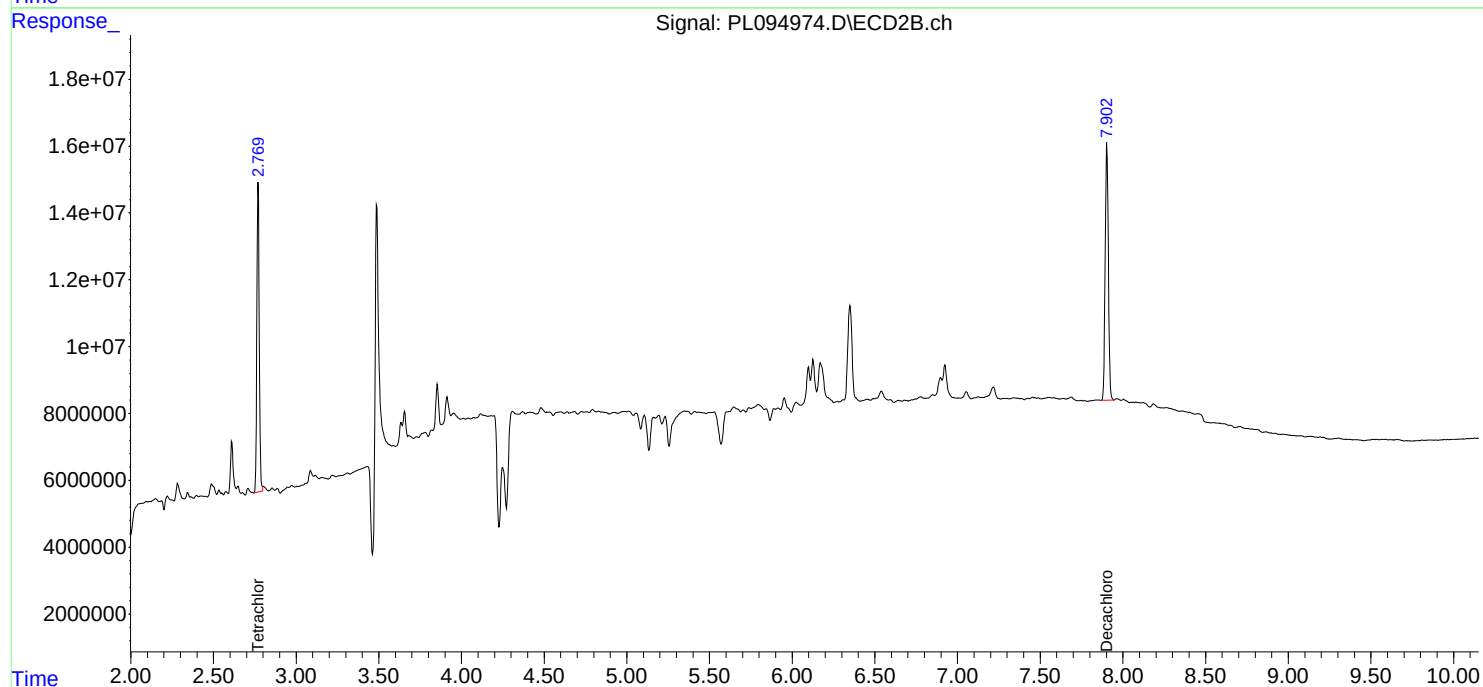
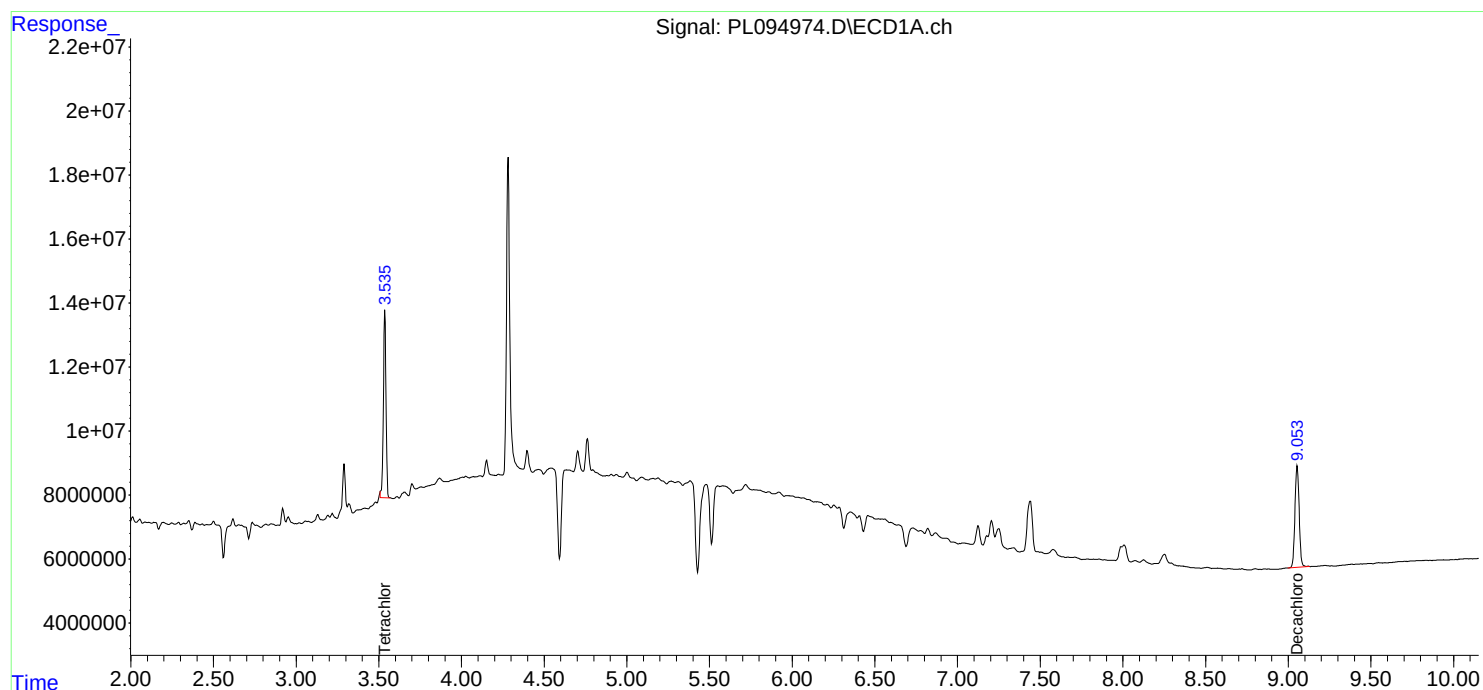
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-005-01

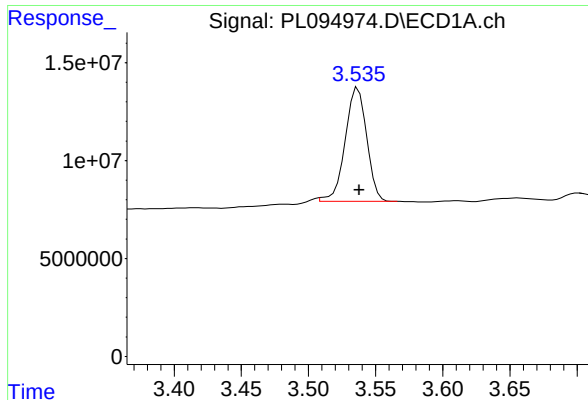
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:00 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





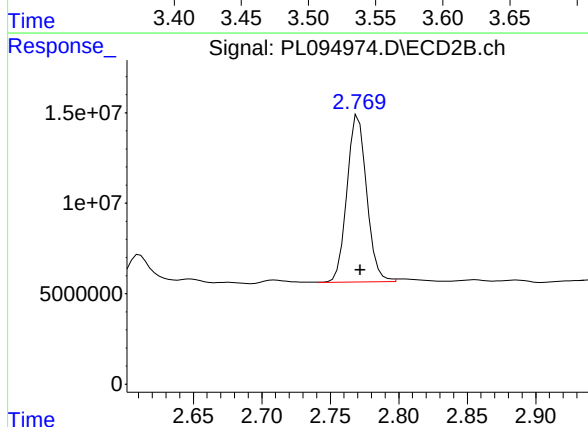
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 64980670
Conc: 22.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-005-01

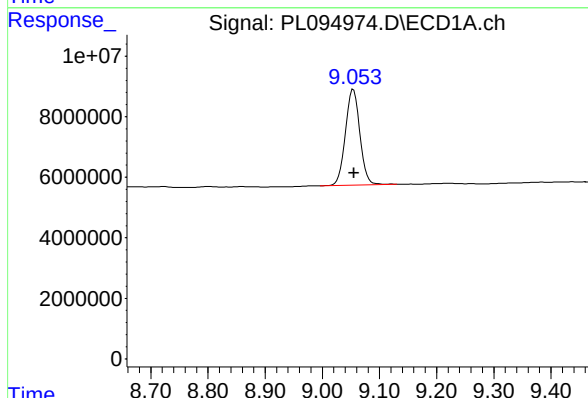
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



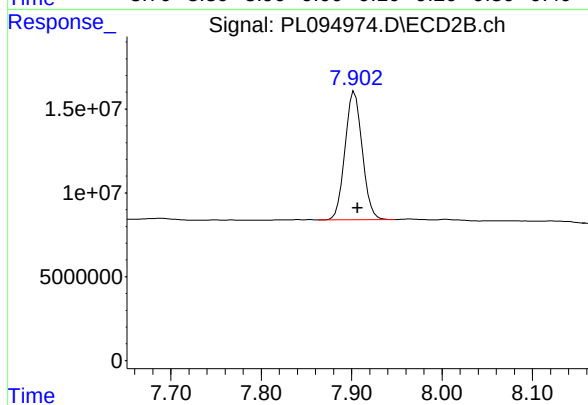
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 92138140
Conc: 25.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 56141327
Conc: 26.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 101569864
Conc: 25.15 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094975.D	1	03/31/25 12:10	03/31/25 21:21	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.7		43 - 140	129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.5	*	77 - 126	127%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094975.D	1	03/31/25 12:10	03/31/25 21:21	PB167395

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\PL033125\
Data File : PL094975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:21
Operator : AR\AJ
Sample : Q1664-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:08 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	2.770	66605185	90920172	23.530m	25.473
28) SA Decachlor...	9.054	7.903	54172221	103.2E6	25.705	25.551

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:21
Operator : AR\AJ
Sample : Q1664-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

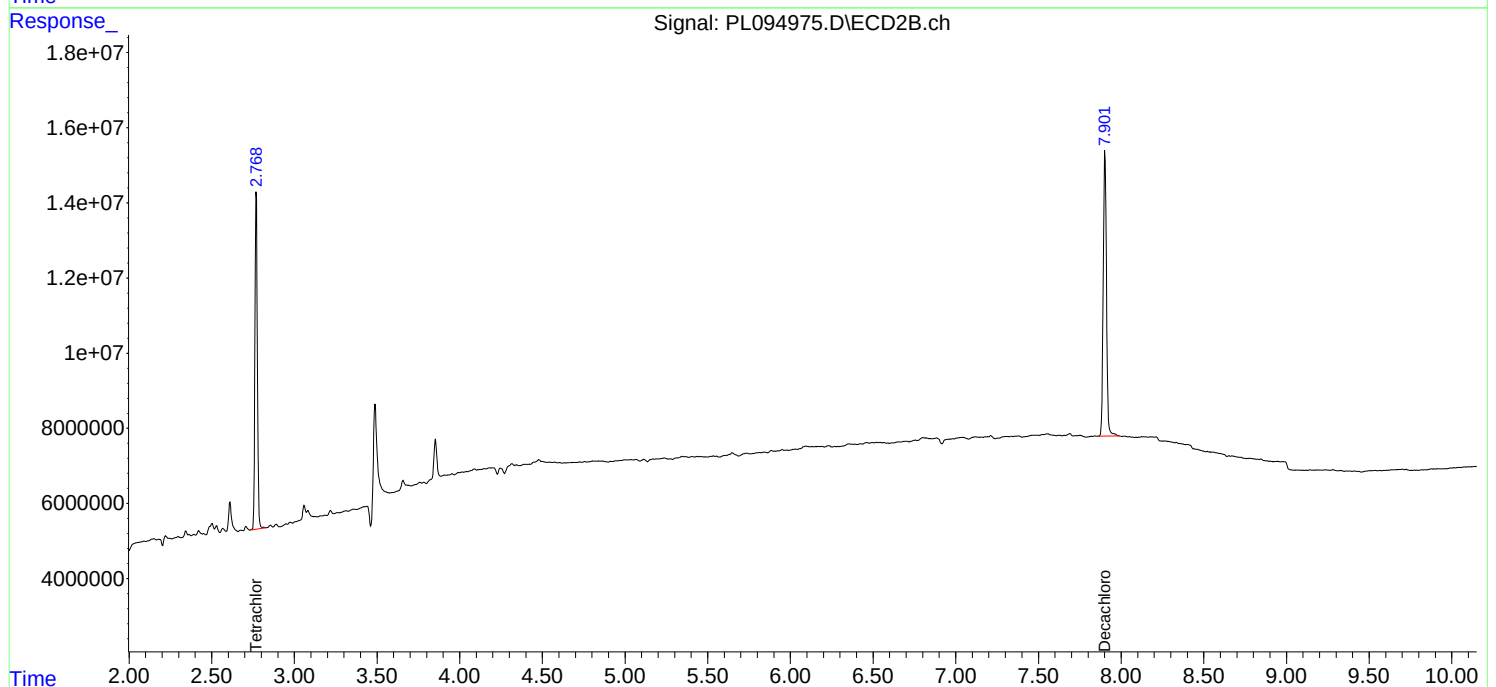
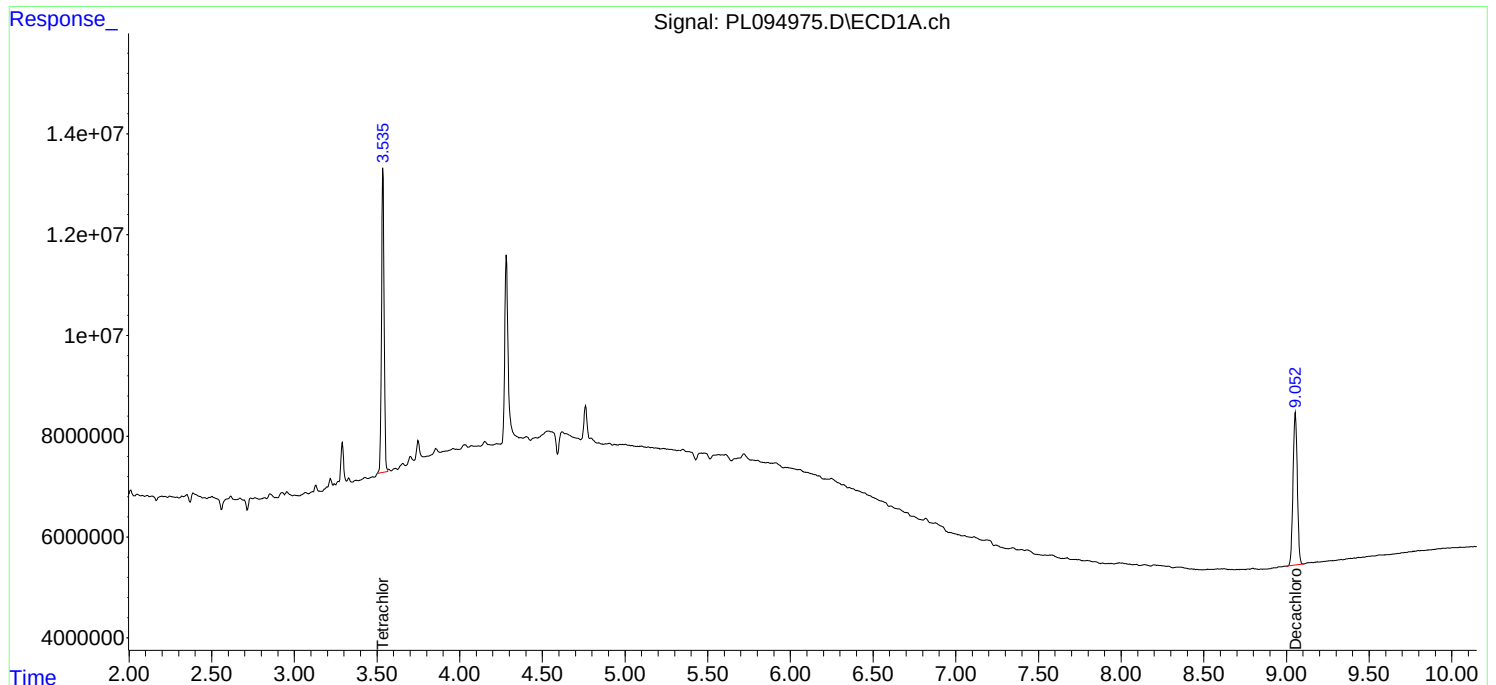
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-006-01

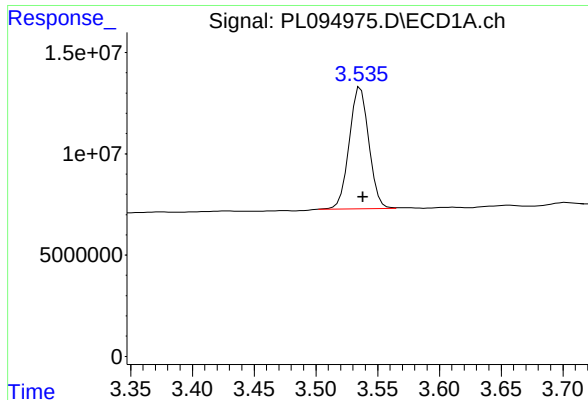
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:08 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





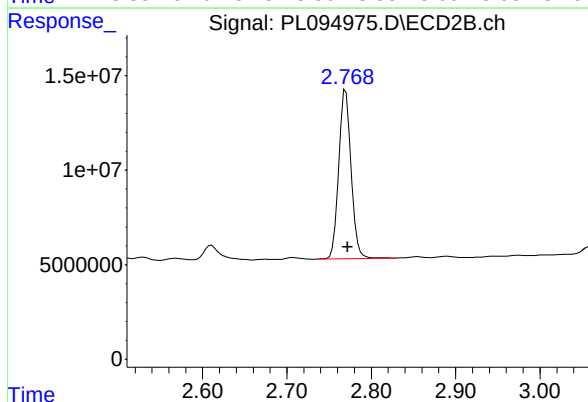
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 66605185
Conc: 23.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-006-01

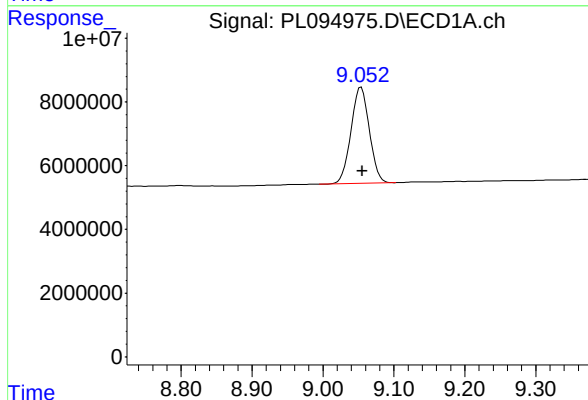
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



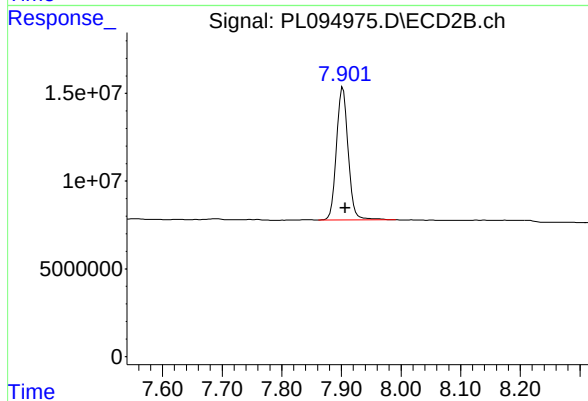
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 90920172
Conc: 25.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 54172221
Conc: 25.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 103208461
Conc: 25.55 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094976.D	1	03/31/25 12:10	03/31/25 21:35	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.9		43 - 140	134%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.5	*	77 - 126	127%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-007-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-20		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094976.D	1	03/31/25 12:10	03/31/25 21:35	PB167395

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\PL033125\
Data File : PL094976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:35
Operator : AR\AJ
Sample : Q1664-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:14 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	2.768	65077905	90864521	22.990	25.457m
28) SA Decachlor...	9.052	7.903	56579806	104.5E6	26.847	25.863

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:35
Operator : AR\AJ
Sample : Q1664-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

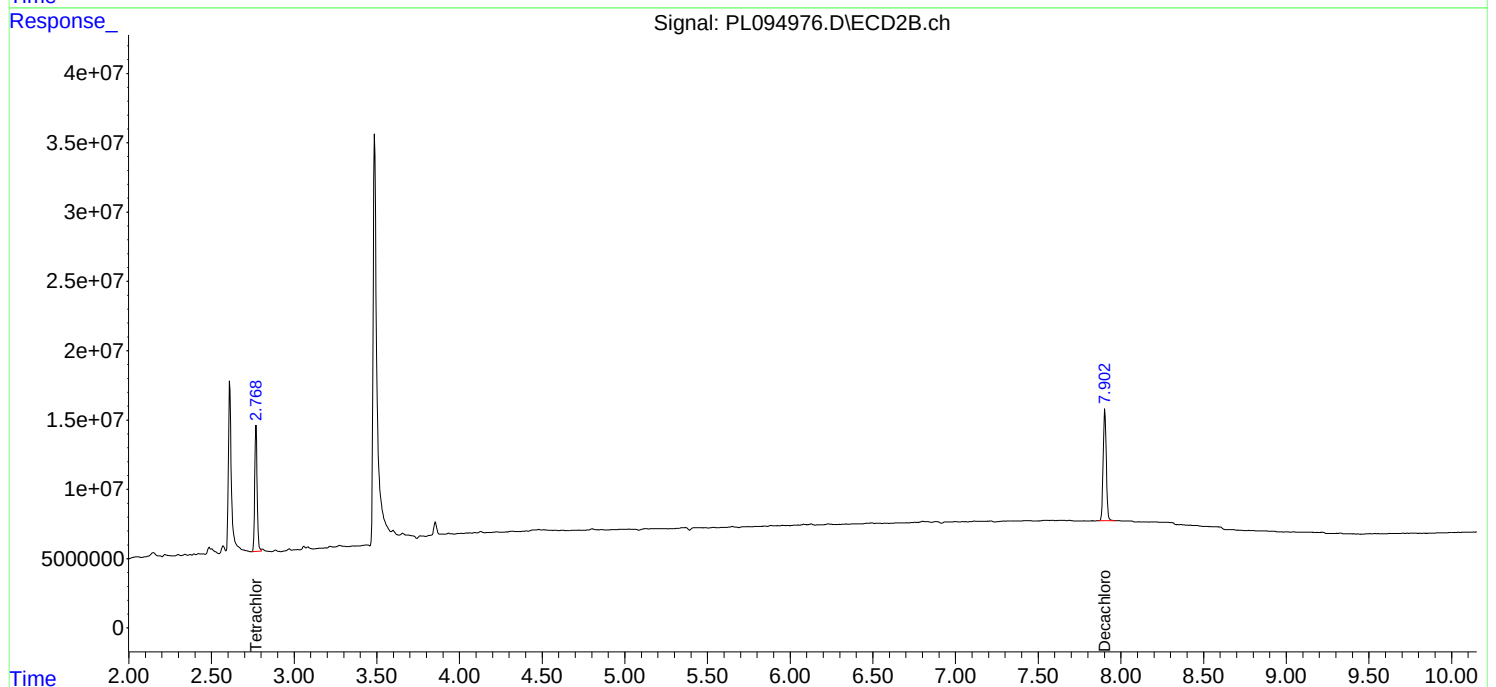
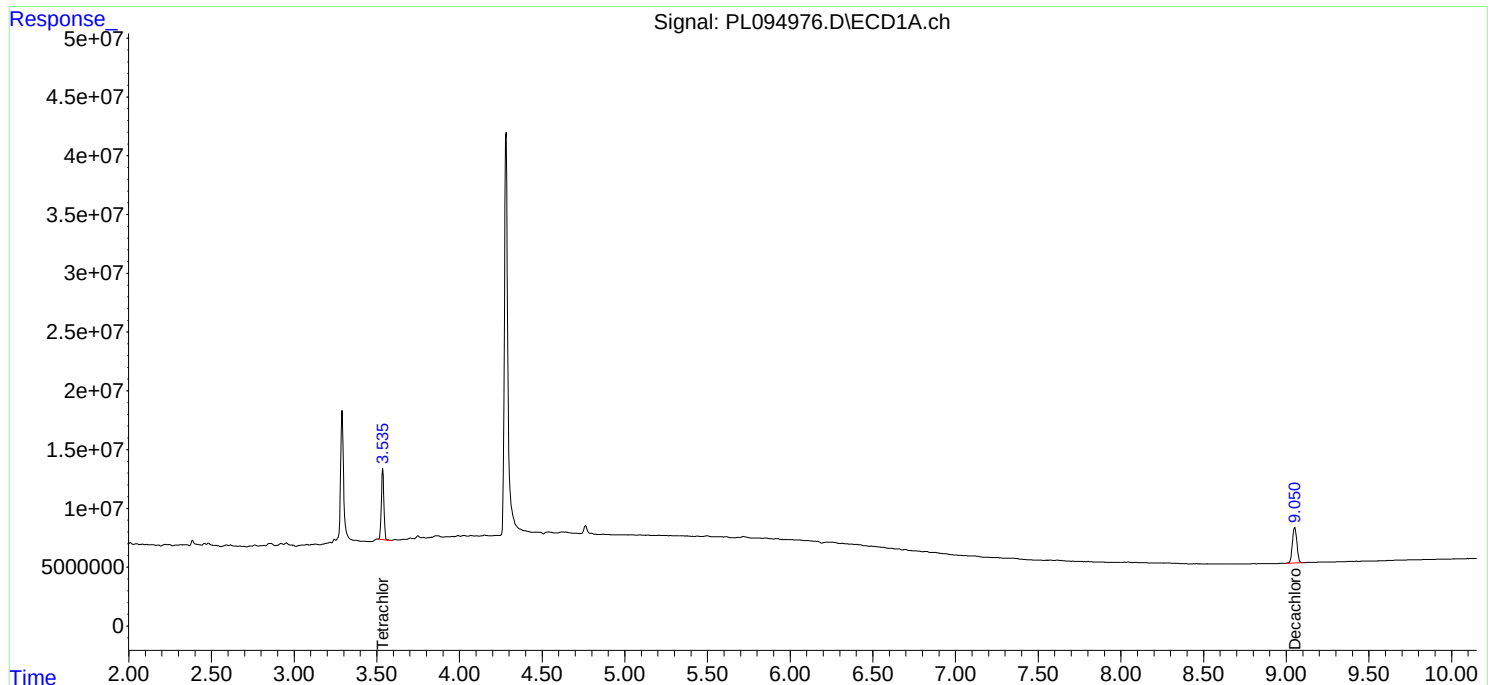
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-007-01

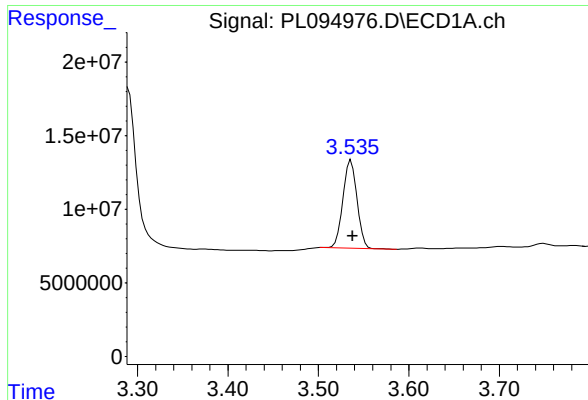
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:14 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: 65077905
Conc: 22.99 ng/ml

Instrument :

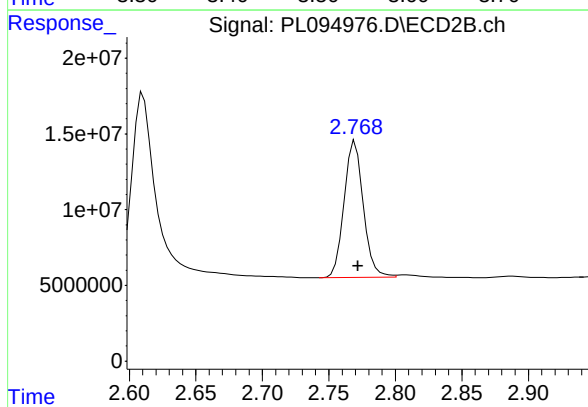
ECD_L

ClientSampleId :

P001-BBDGA-007-01

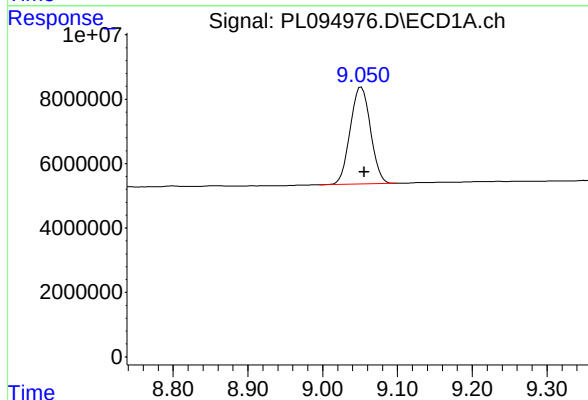
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



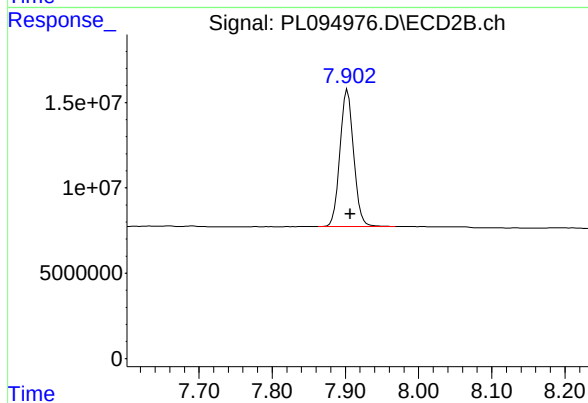
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 90864521
Conc: 25.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 56579806
Conc: 26.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 104469379
Conc: 25.86 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094977.D	1	03/31/25 12:10	03/31/25 21:48	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.6		43 - 140	128%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		77 - 126	123%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-008-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-22		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094977.D	1	03/31/25 12:10	03/31/25 21:48	PB167395

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\PL033125\
Data File : PL094977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:48
Operator : AR\AJ
Sample : Q1664-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-008-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:21 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	2.769	63175098	87589709	22.318	24.540
28) SA Decachlor...	9.053	7.902	54061370	102.2E6	25.652	25.310

Target Compounds

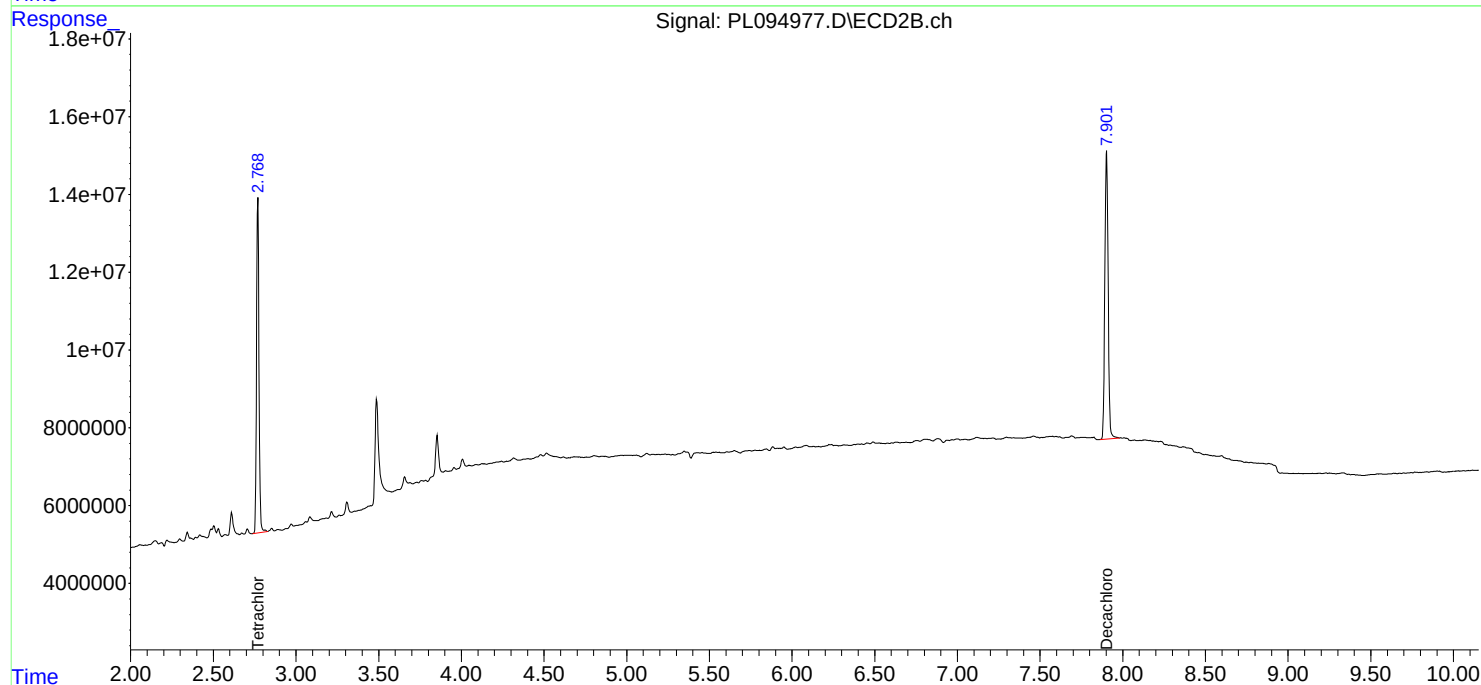
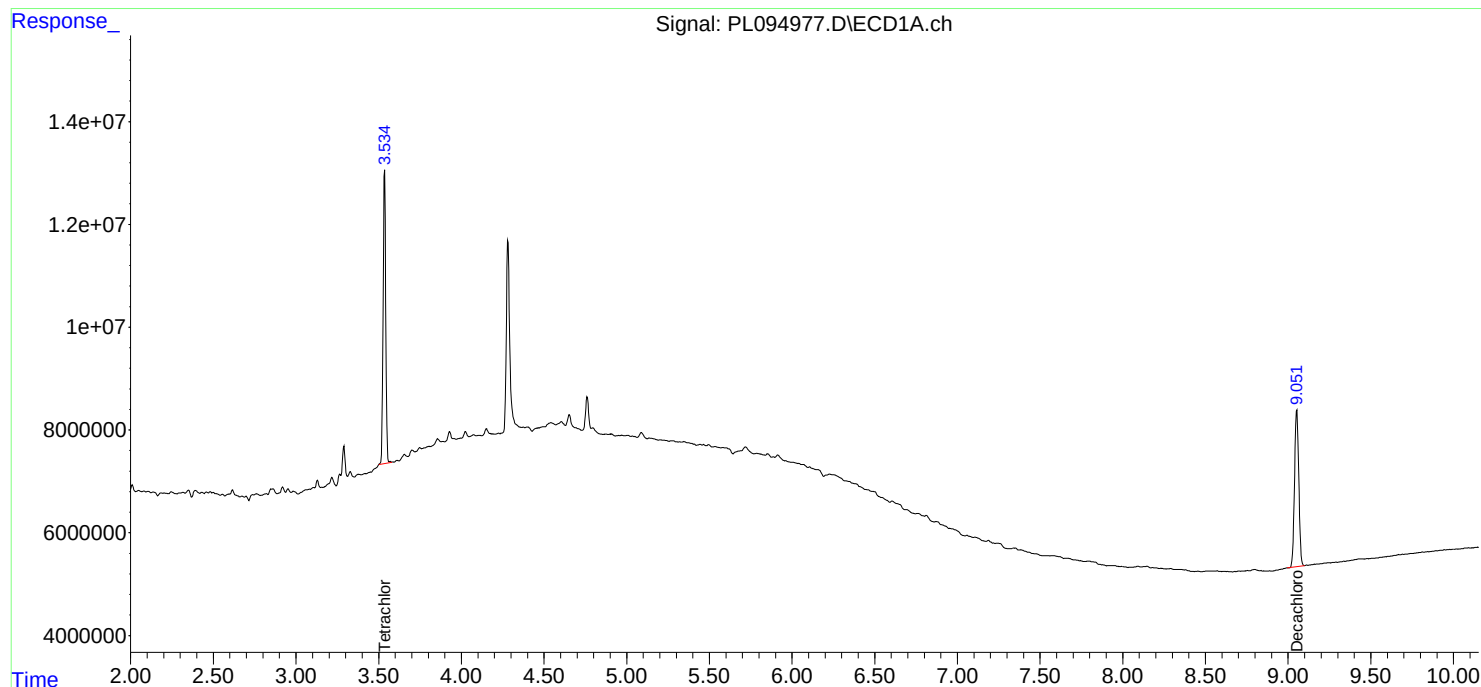
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

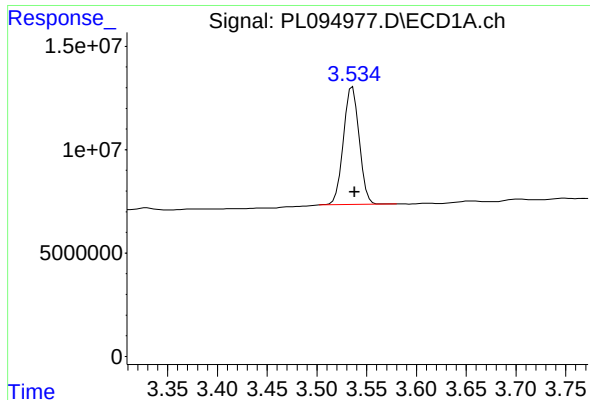
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 21:48
Operator : AR\AJ
Sample : Q1664-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-008-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:21 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

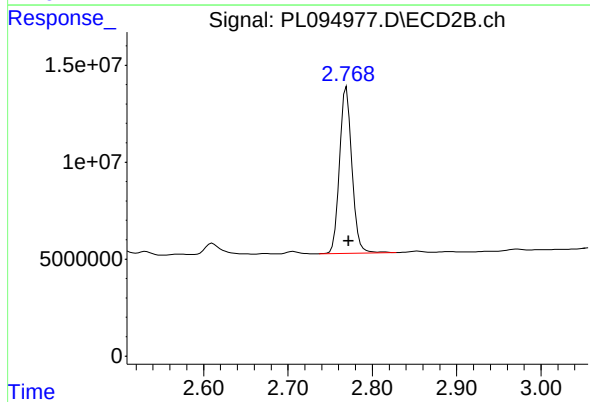




#1 Tetrachloro-m-xylene

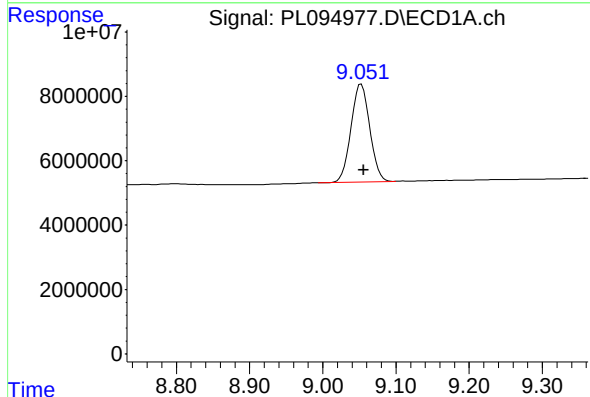
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 63175098
Conc: 22.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-008-01



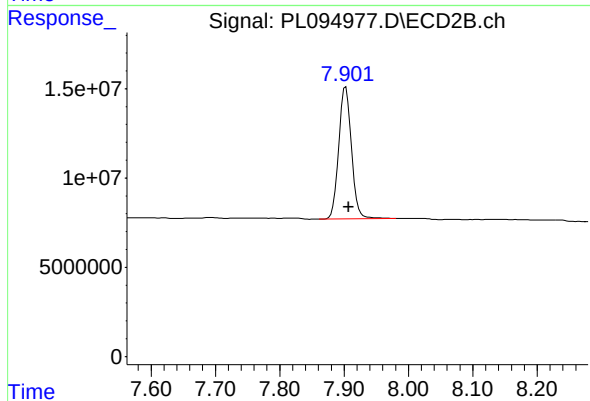
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.002 min
Response: 87589709
Conc: 24.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 54061370
Conc: 25.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.004 min
Response: 102236955
Conc: 25.31 ng/ml



CALIBRATION SUMMARY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664
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: **RT 100 =** PL094569.D **RT 075 =** PL094570.D
RT 050 = PL094571.D **RT 025 =** PL094572.D **RT 005 =** PL094573.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.06	9.06	9.06	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.91	4.92	4.92	4.91	4.92	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664
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: **RT 100 =** PL094569.D **RT 075 =** PL094570.D
RT 050 = PL094571.D **RT 025 =** PL094572.D **RT 005 =** PL094573.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.22	5.23	5.13	5.33
4,4'-DDT	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.22	4.22	4.22	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.27	3.27	3.27	3.27	3.27	3.27	3.17	3.37
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.90	3.91	3.91	3.90	3.90	3.90	3.80	4.00
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.13	4.13	4.13	4.13	4.13	4.13	4.03	4.23
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Endosulfan II	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Endrin	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70
gamma-Chlordane	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Heptachlor	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.72	4.72	4.73	4.72	4.72	4.72	4.62	4.82
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.77	2.77	2.77	2.77	2.77	2.77	2.67	2.87

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664
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: ROYF02
Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664
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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: ECD_L Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

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

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

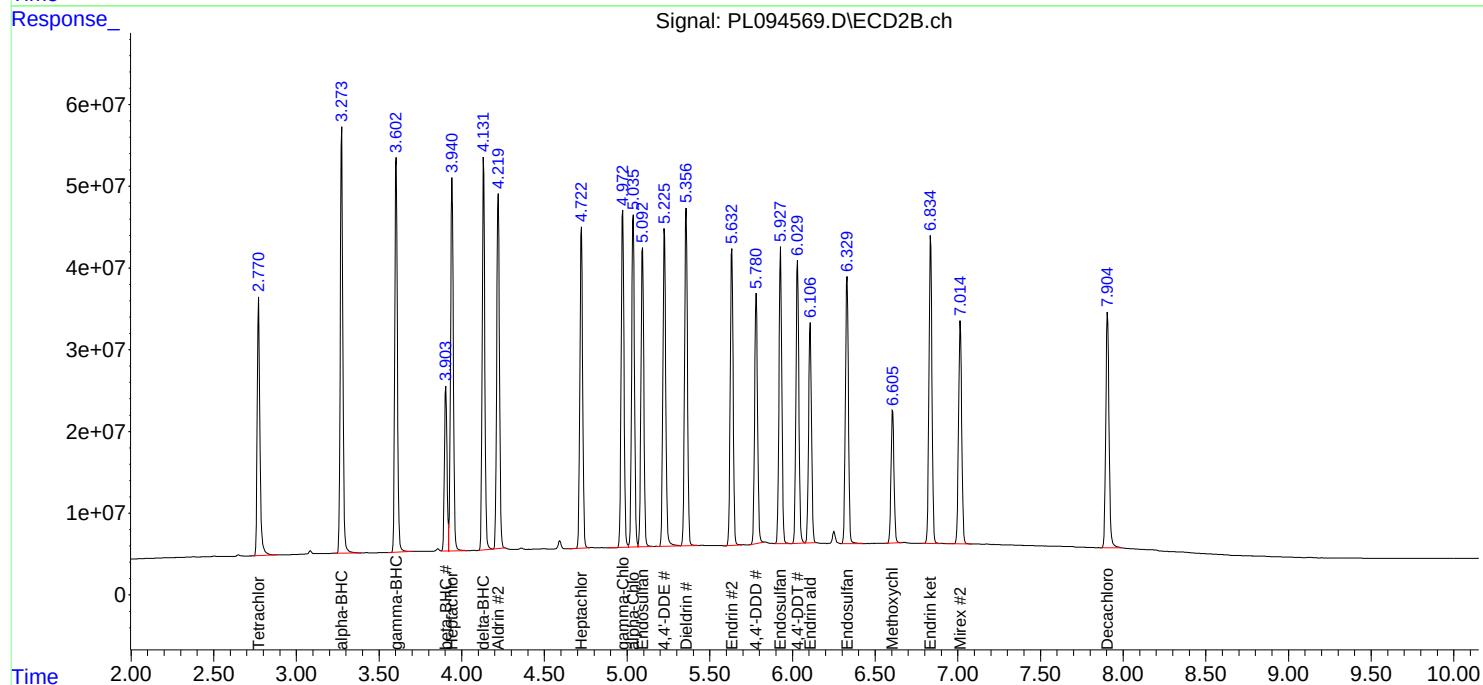
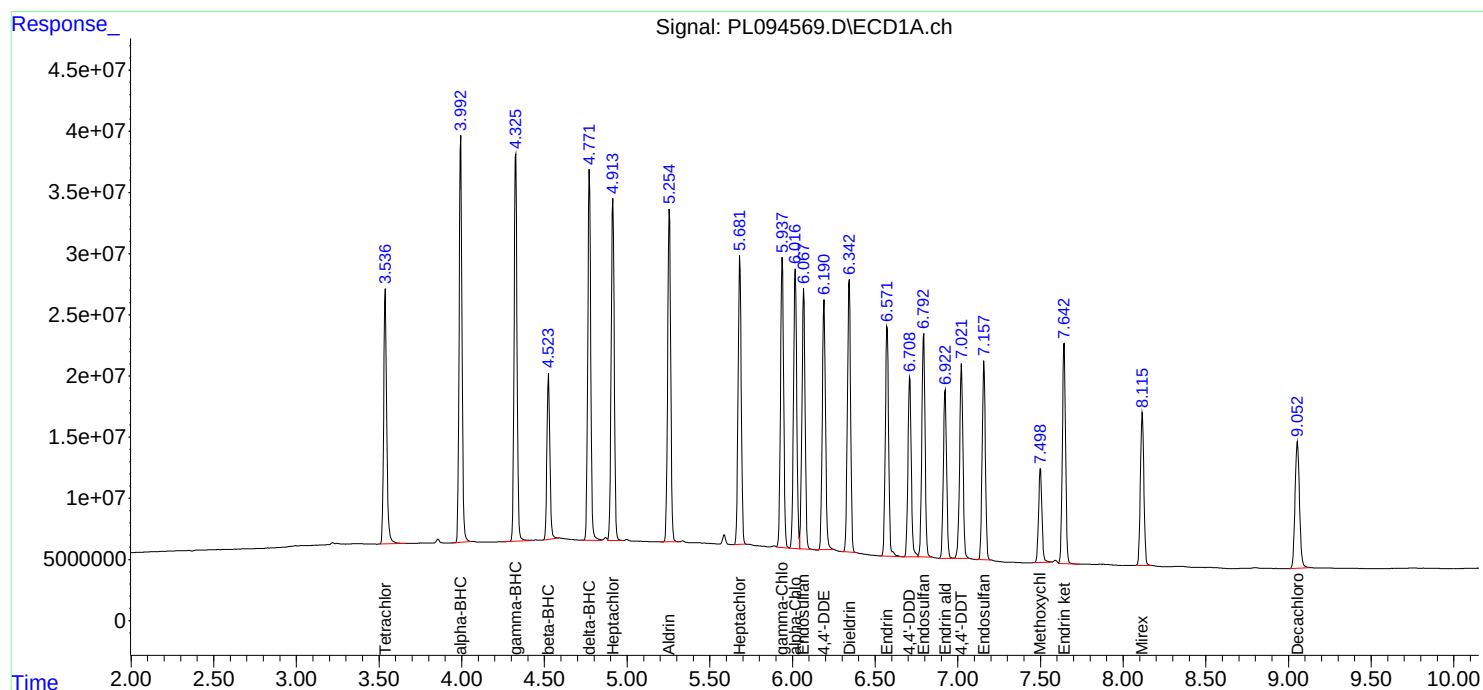
Manual Integrations

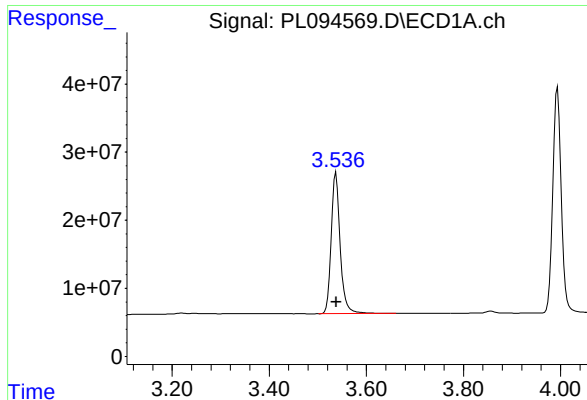
APPROVED

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





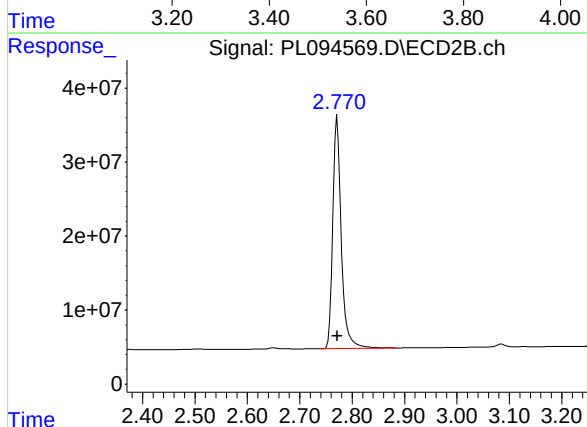
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

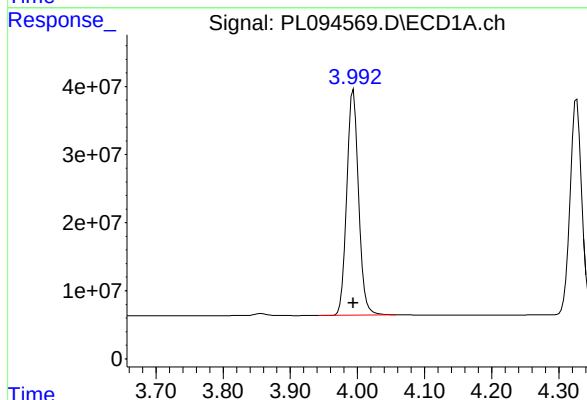
Manual Integrations
APPROVED

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



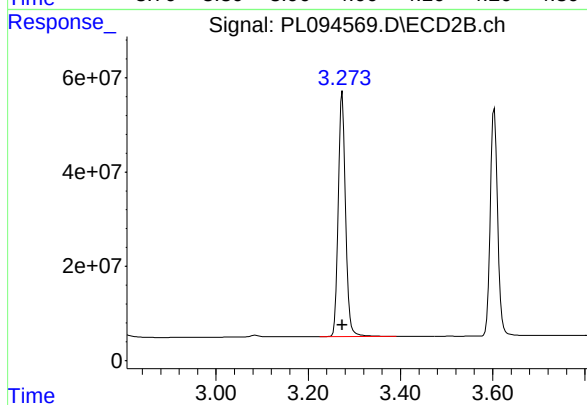
#1 Tetrachloro-m-xylene

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



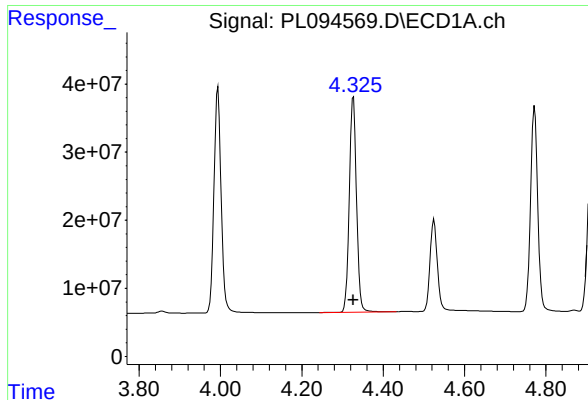
#2 alpha-BHC

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



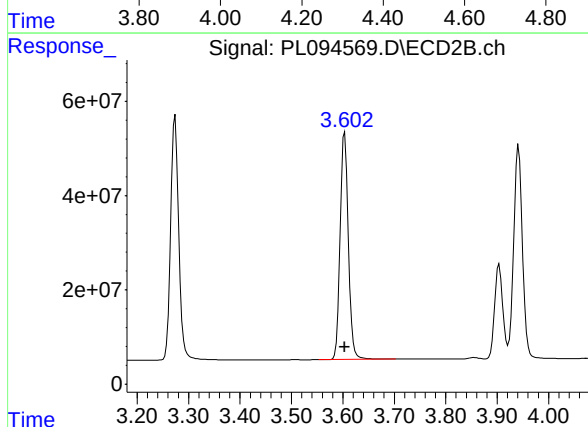
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

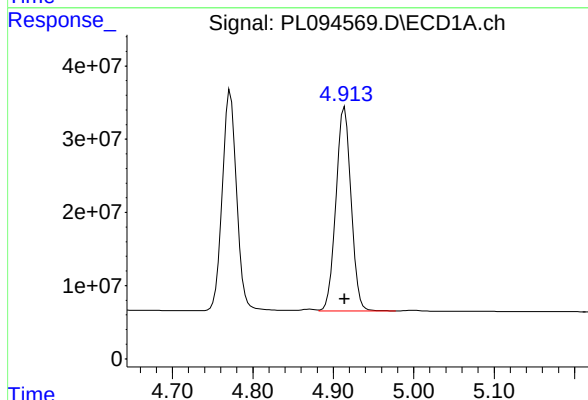
Manual Integrations
APPROVED

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



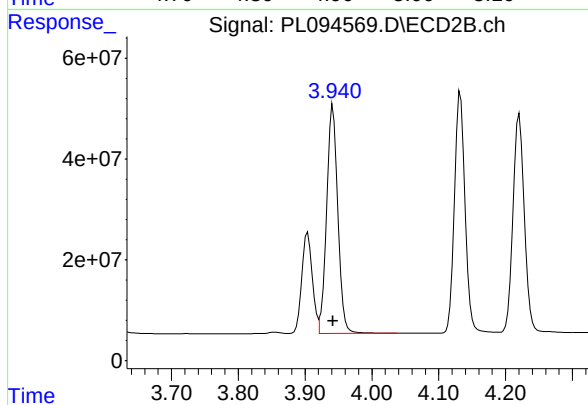
#3 gamma-BHC (Lindane)

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



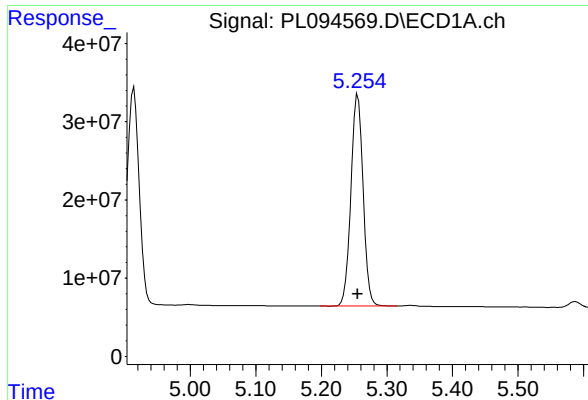
#4 Heptachlor

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 :

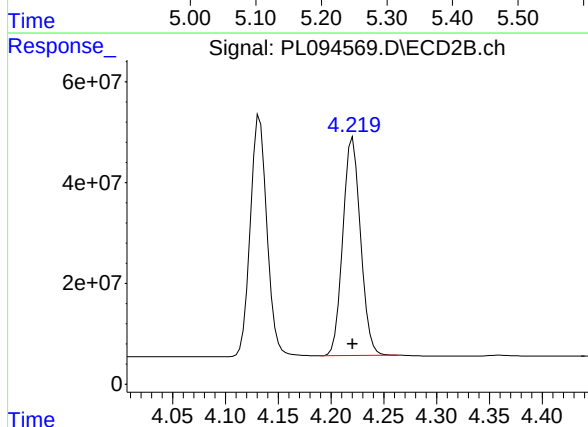
ECD_L

ClientSampleId :

PSTDICC100

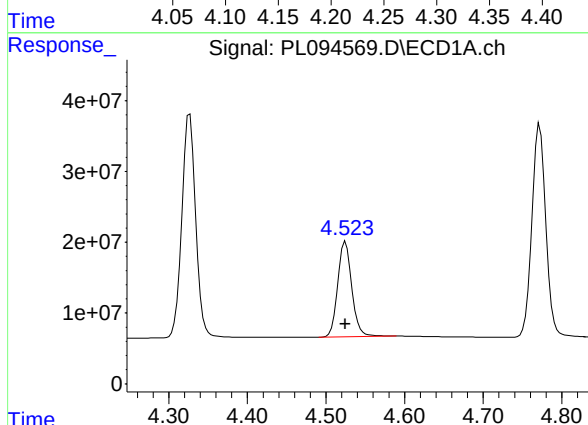
Manual Integrations
APPROVED

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



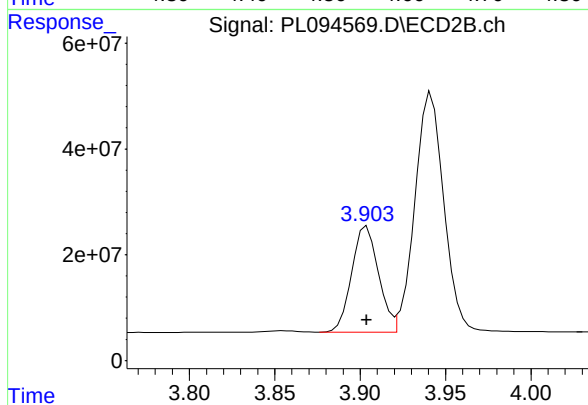
#5 Aldrin

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



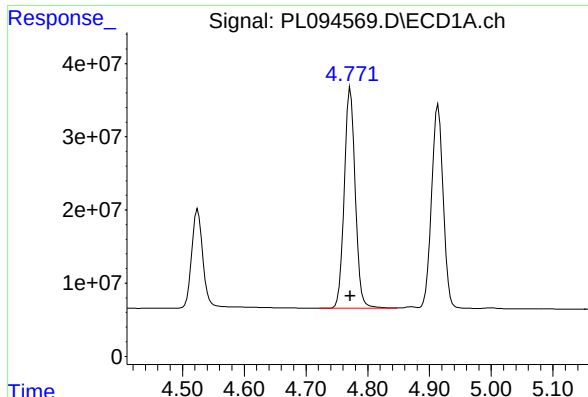
#6 beta-BHC

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



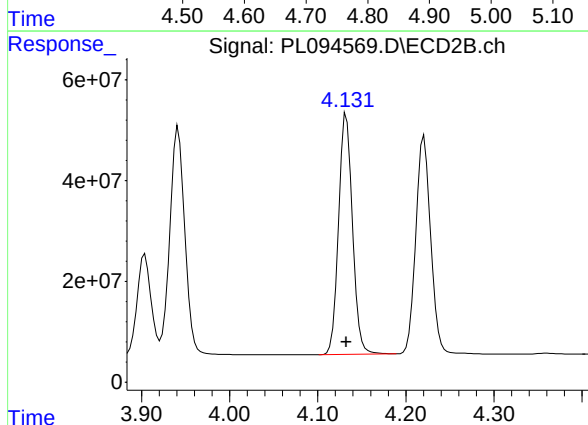
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

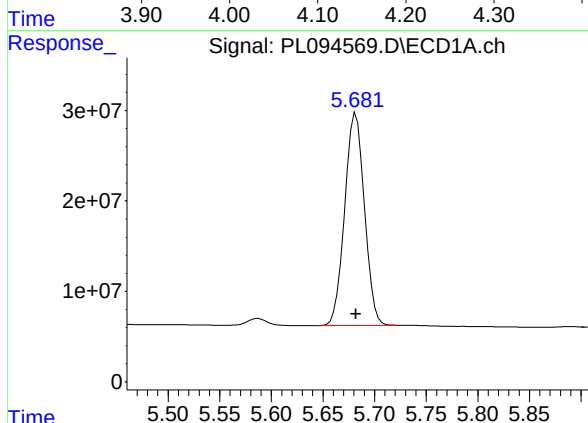
Manual Integrations
APPROVED

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



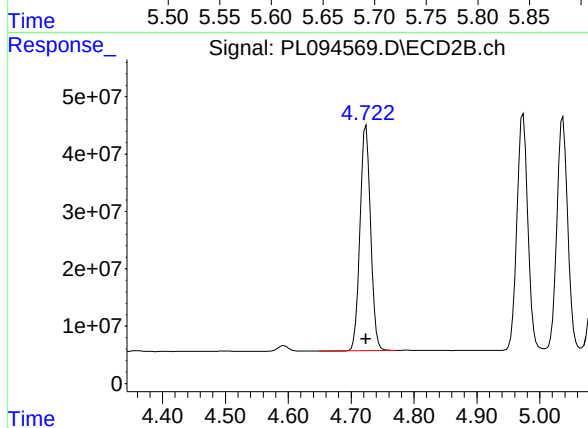
#7 delta-BHC

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



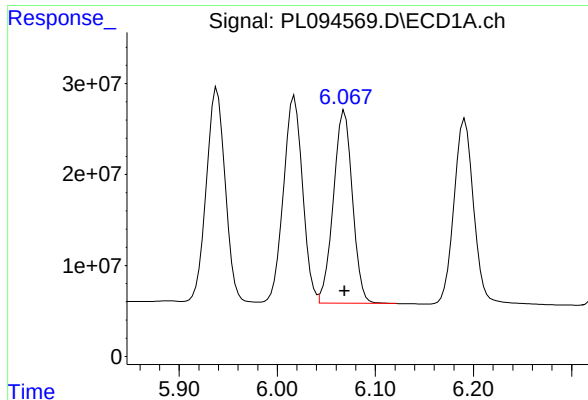
#8 Heptachlor epoxide

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



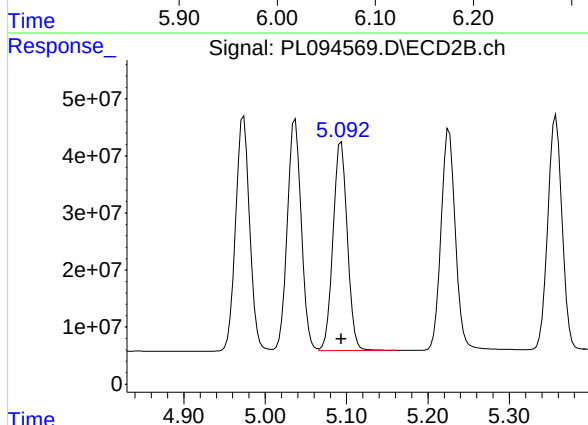
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

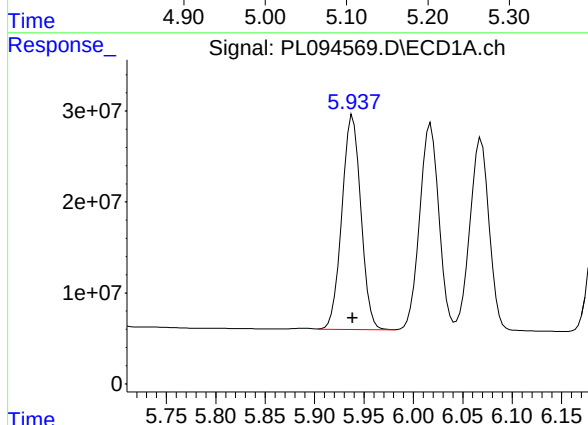
Manual Integrations
APPROVED

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



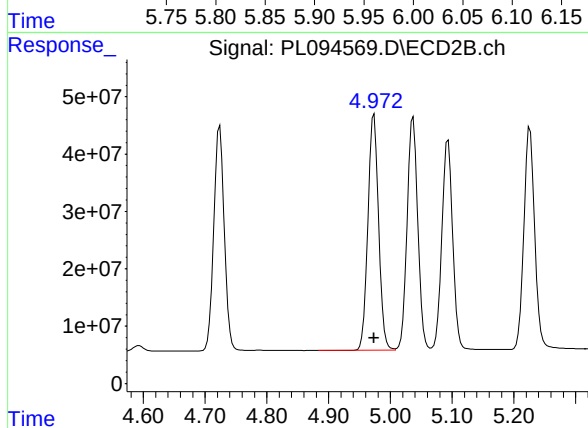
#9 Endosulfan I

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



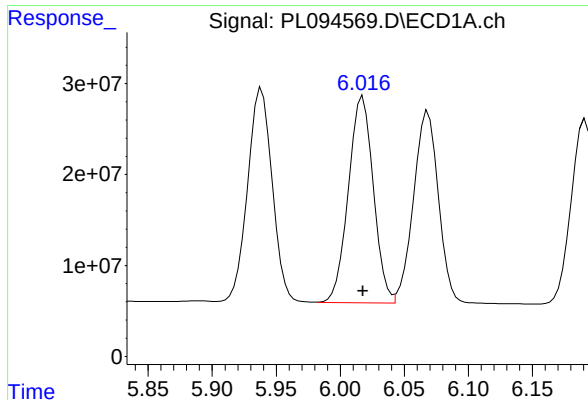
#10 gamma-Chlordane

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



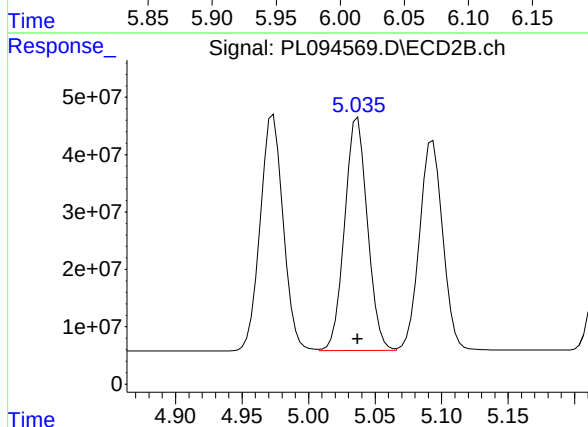
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

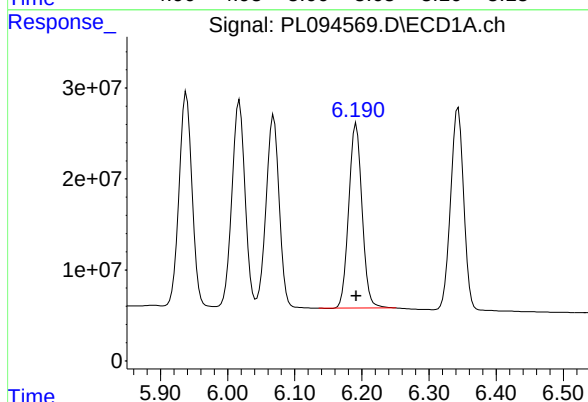
Manual Integrations
APPROVED

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



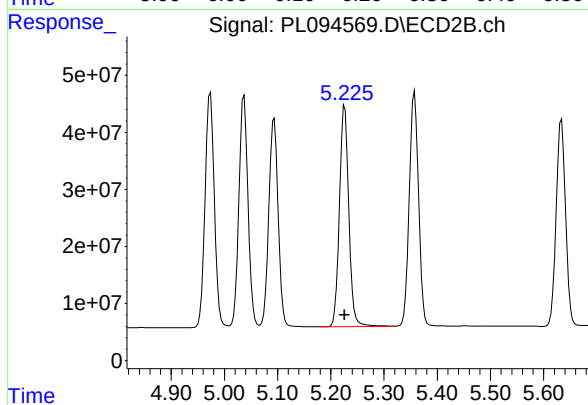
#11 alpha-Chlordane

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



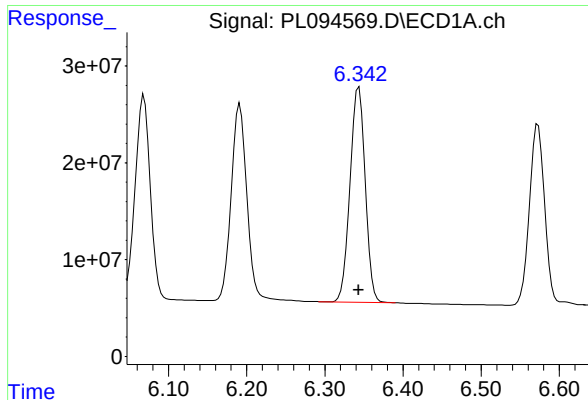
#12 4,4'-DDE

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



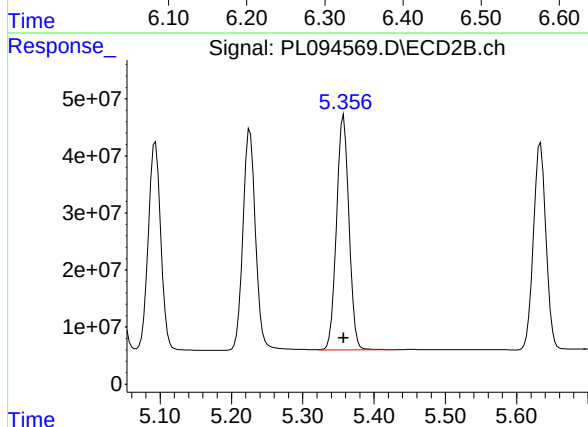
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

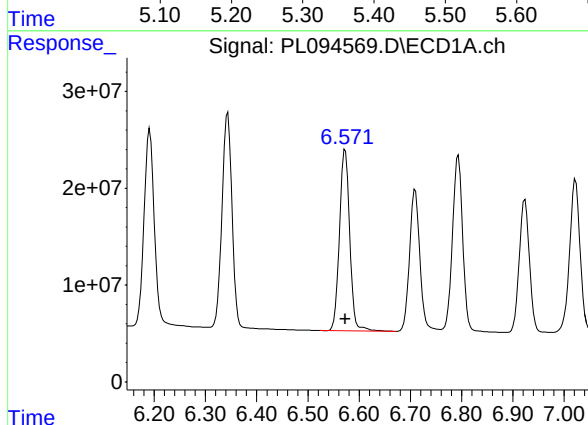
Manual Integrations
APPROVED

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



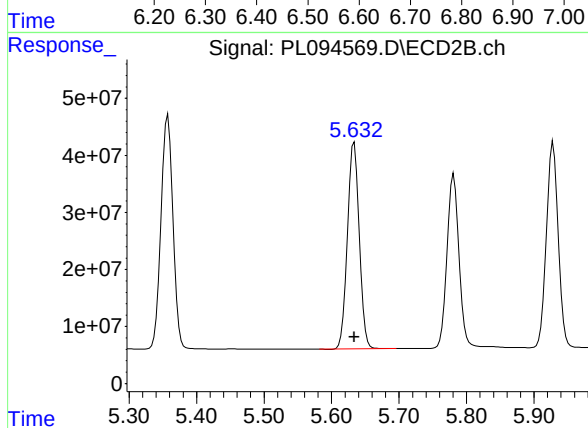
#13 Dieldrin

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



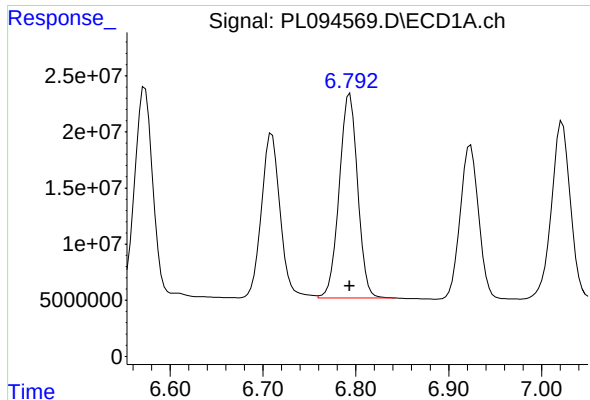
#14 Endrin

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



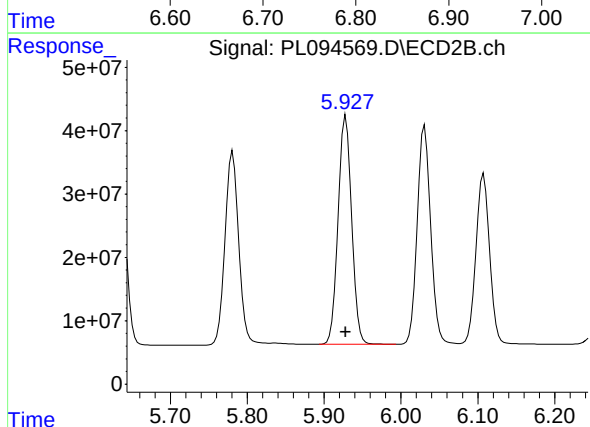
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

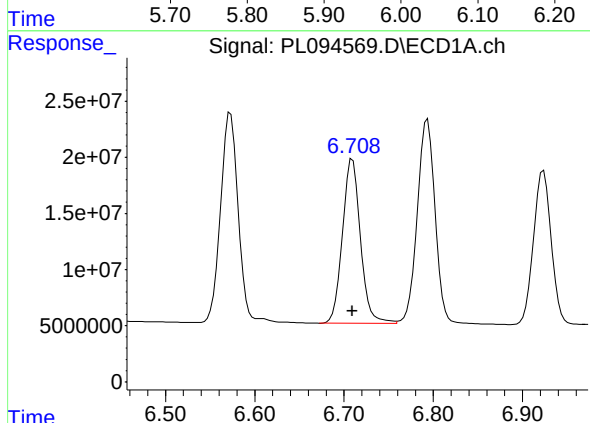
Manual Integrations
APPROVED

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



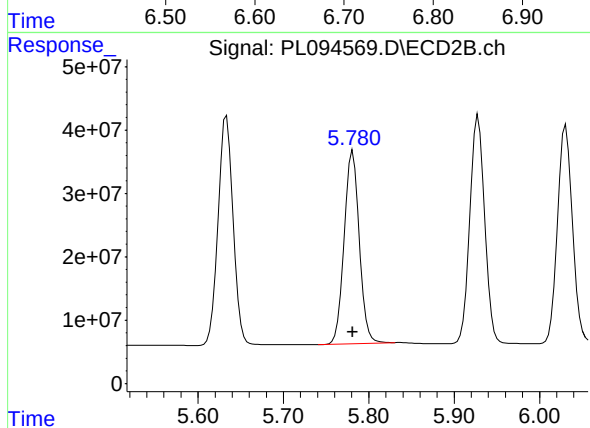
#15 Endosulfan II

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



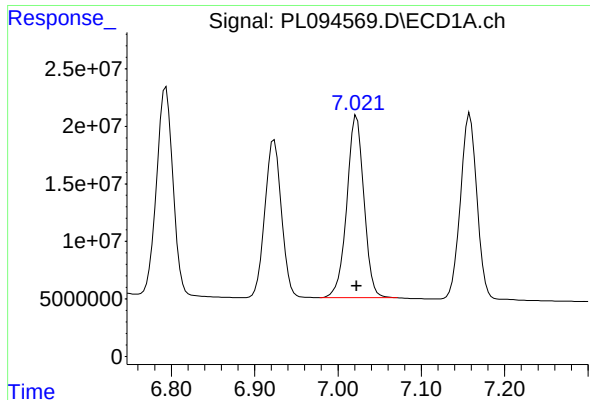
#16 4,4'-DDD

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



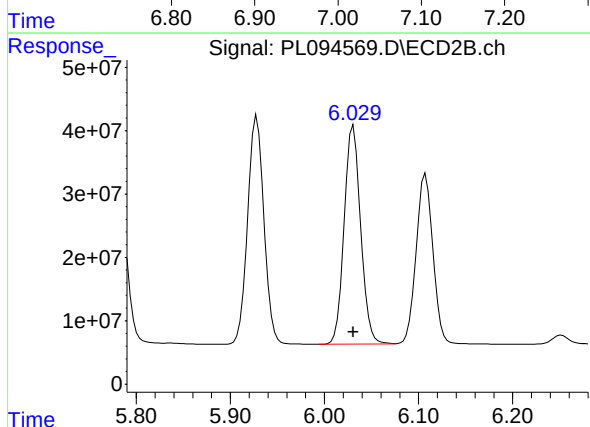
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

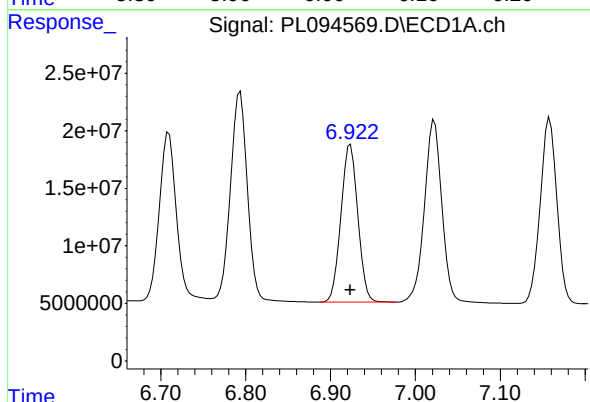
Manual Integrations
APPROVED

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



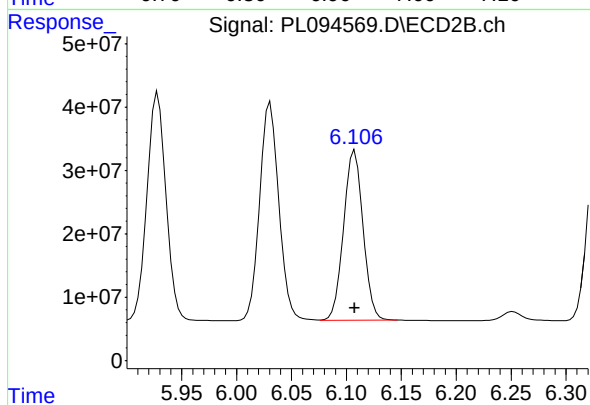
#17 4,4'-DDT

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



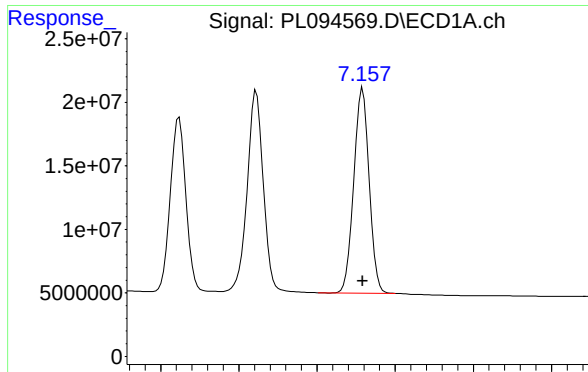
#18 Endrin aldehyde

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



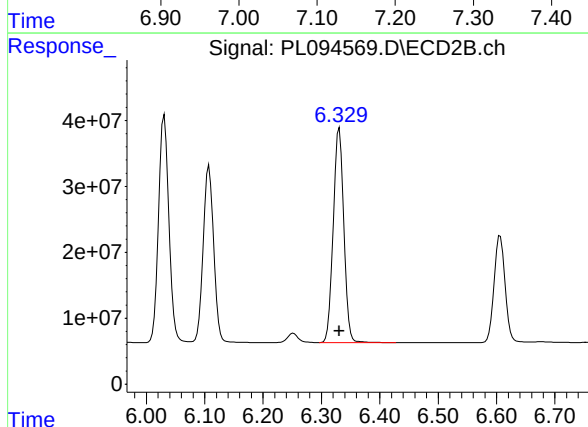
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

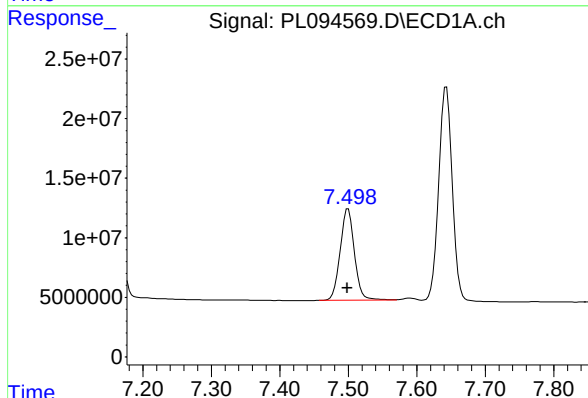
Manual Integrations
APPROVED

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



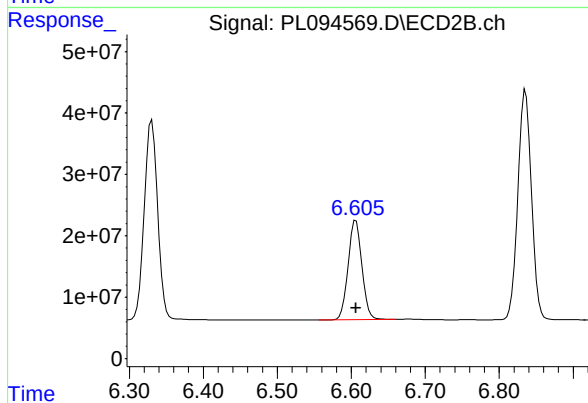
#19 Endosulfan Sulfate

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



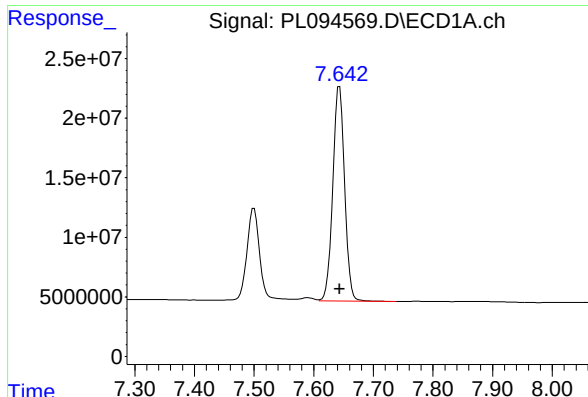
#20 Methoxychlor

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



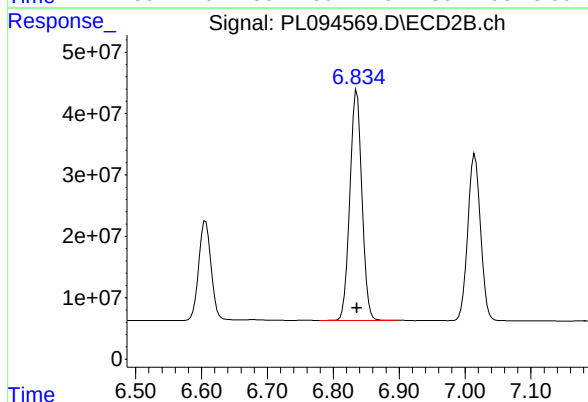
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

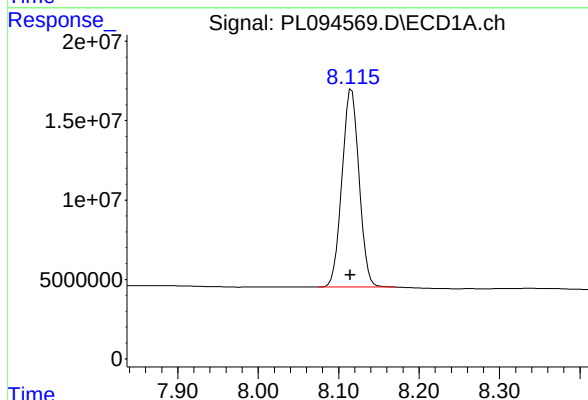
Manual Integrations
APPROVED

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



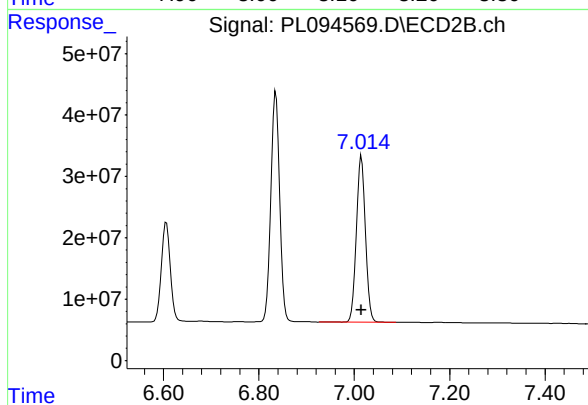
#21 Endrin ketone

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



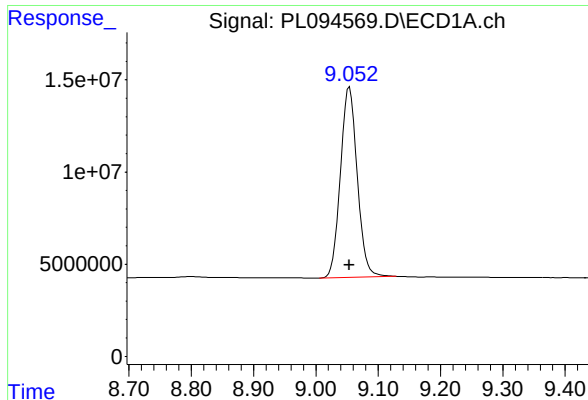
#22 Mirex

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



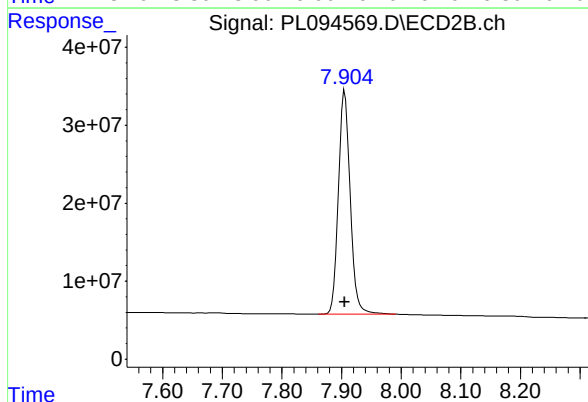
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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.: 0.000 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

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 17:25:46 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

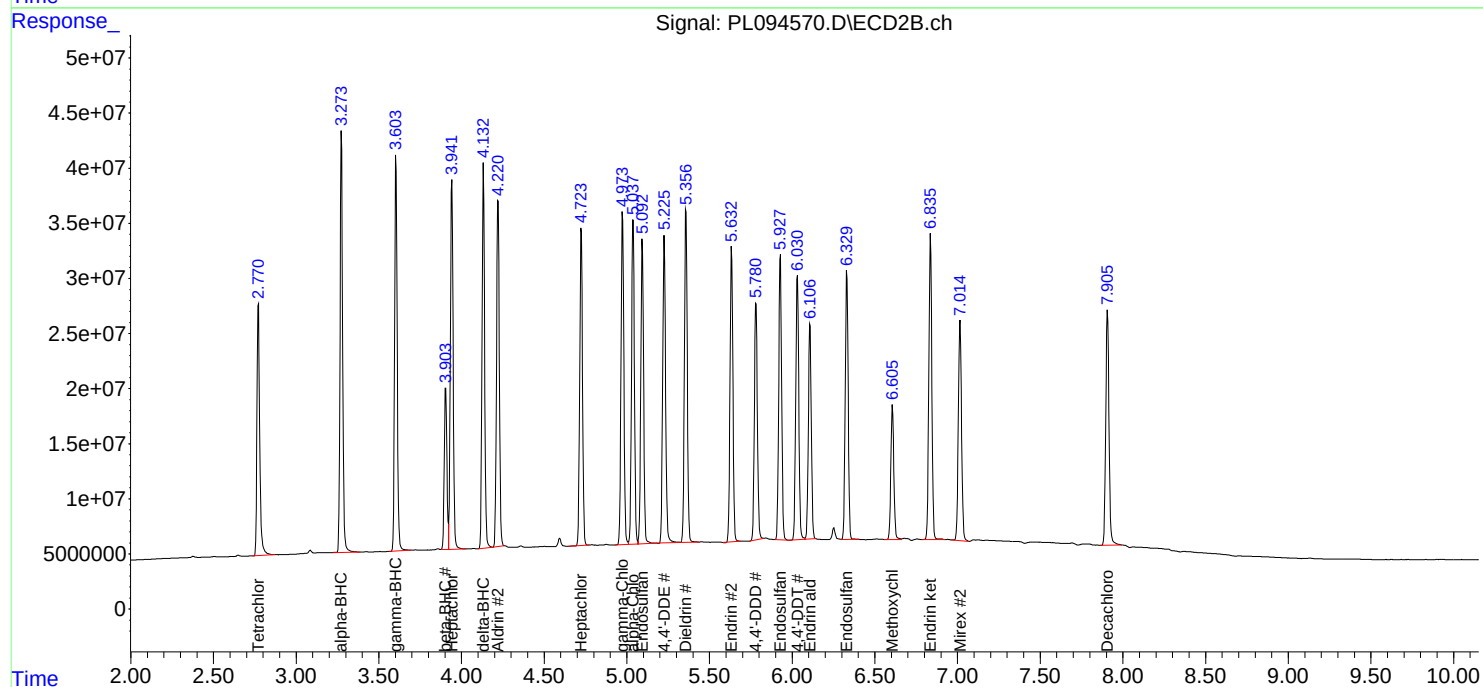
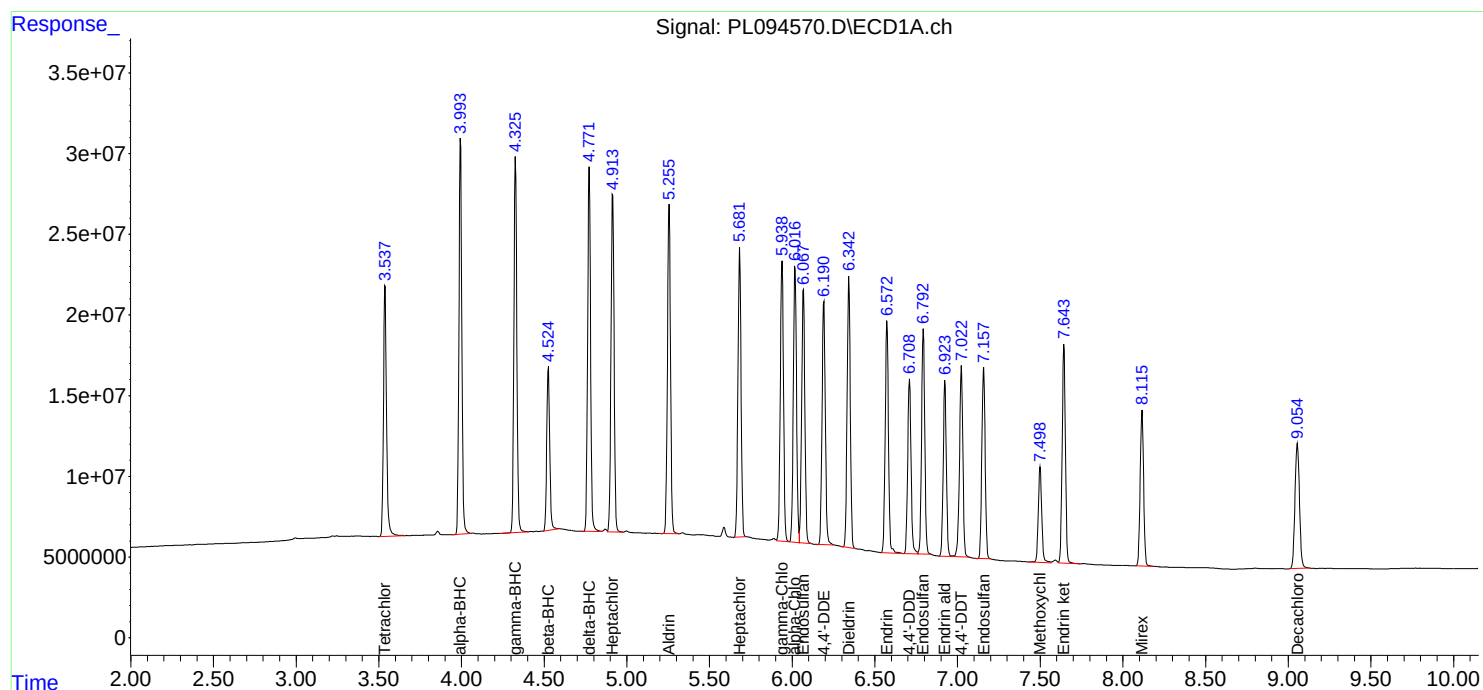
Manual Integrations

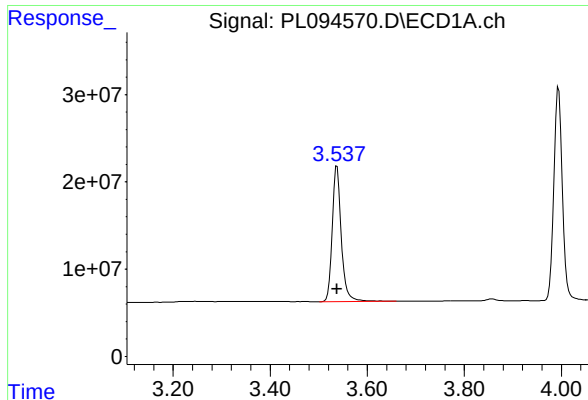
APPROVED

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 17:25:46 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





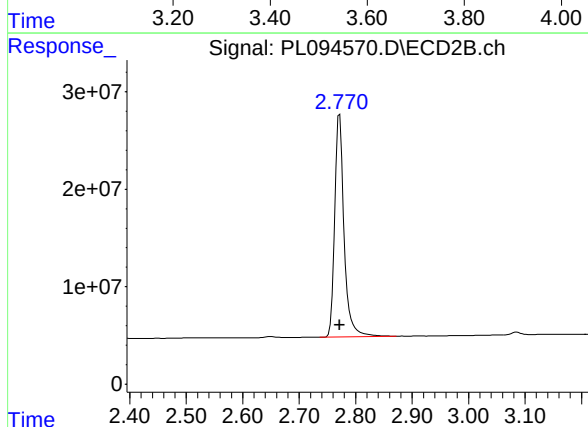
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

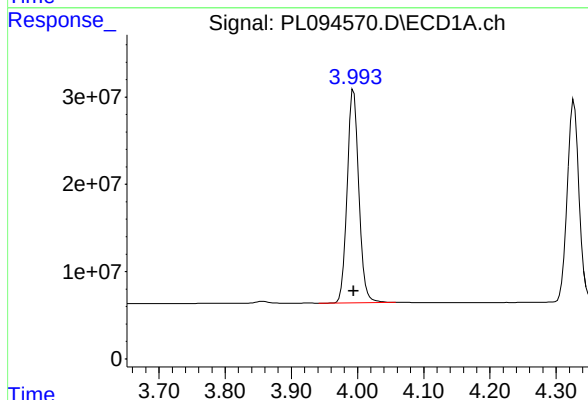
Manual Integrations
APPROVED

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



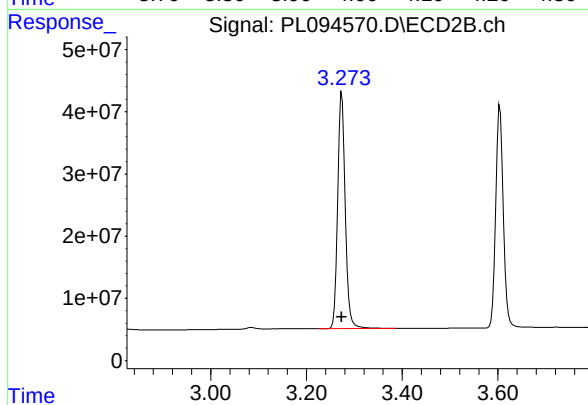
#1 Tetrachloro-m-xylene

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



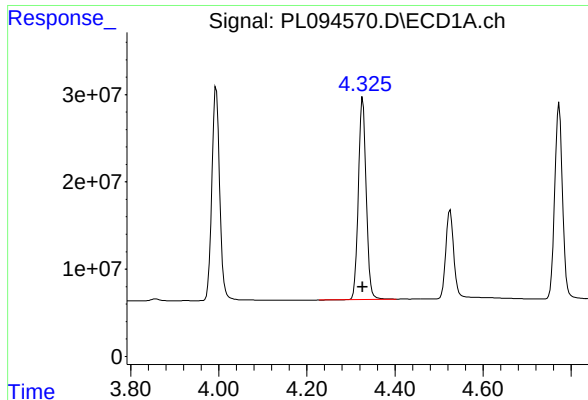
#2 alpha-BHC

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



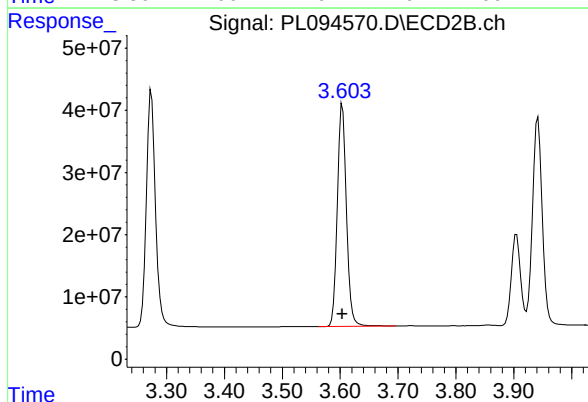
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

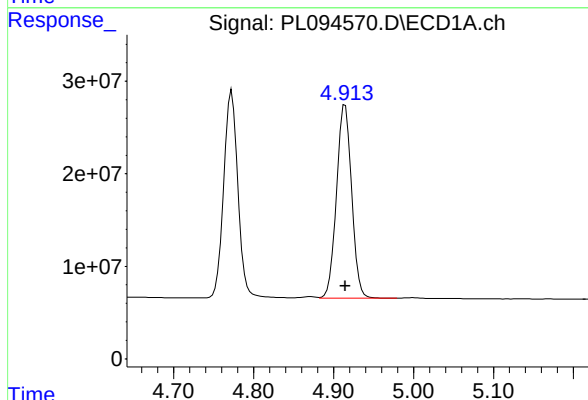
Manual Integrations
APPROVED

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



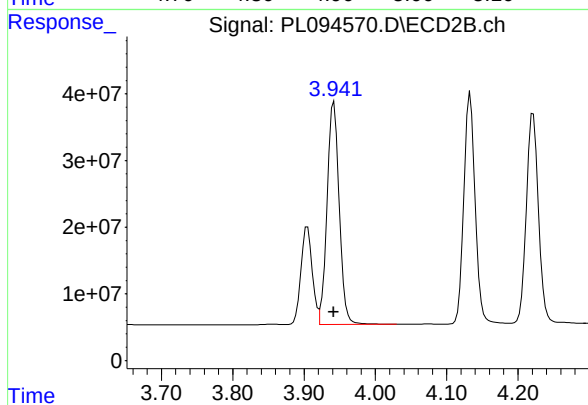
#3 gamma-BHC (Lindane)

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



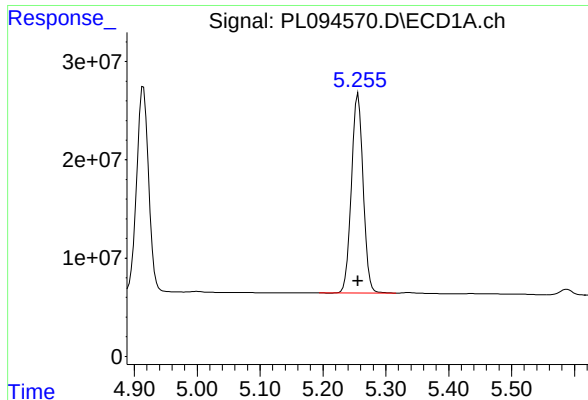
#4 Heptachlor

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



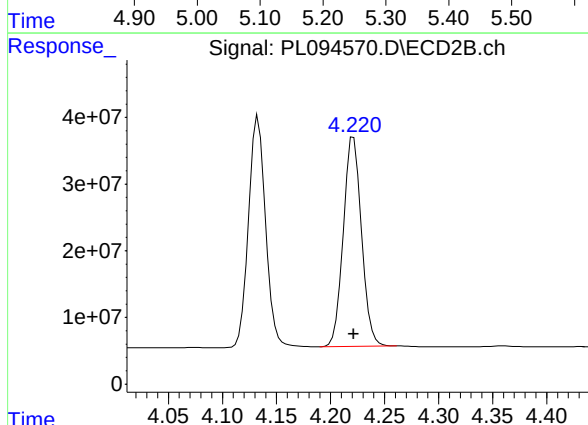
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

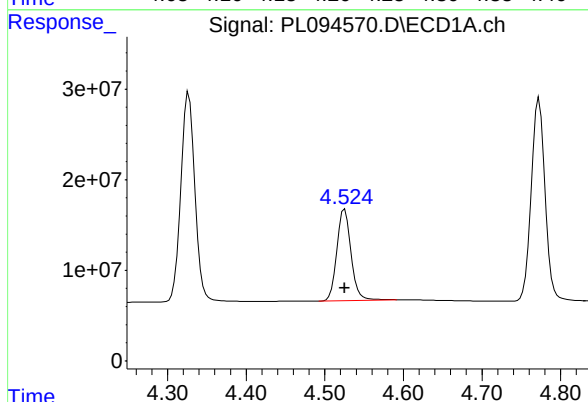
Manual Integrations
APPROVED

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



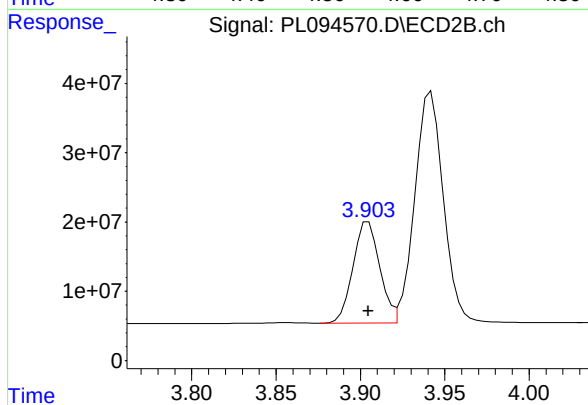
#5 Aldrin

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



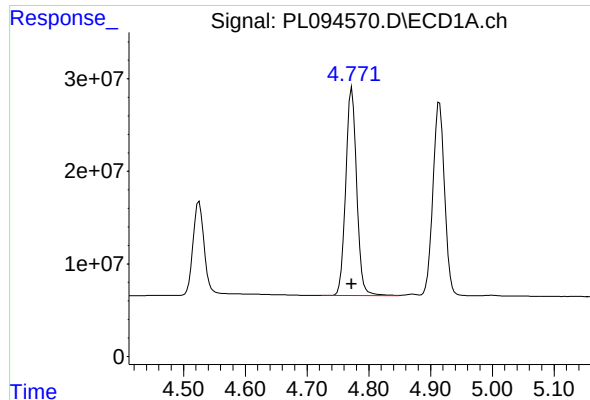
#6 beta-BHC

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



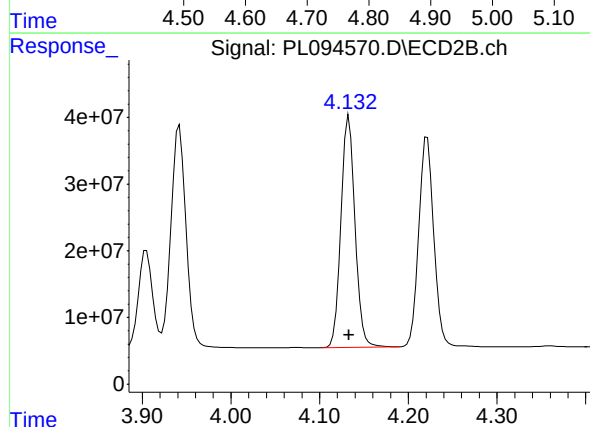
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

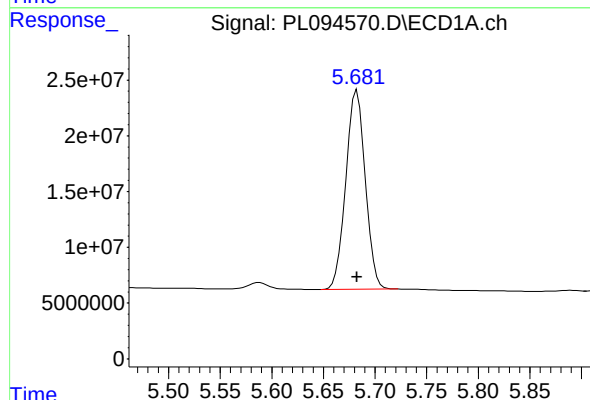
Manual Integrations
APPROVED

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



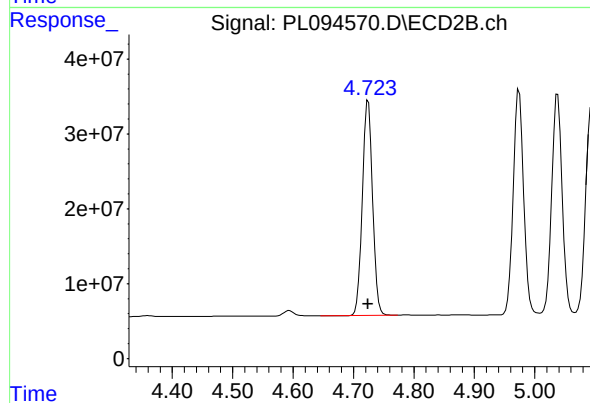
#7 delta-BHC

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



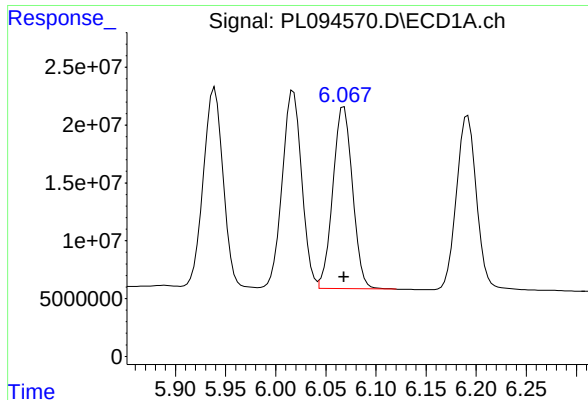
#8 Heptachlor epoxide

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



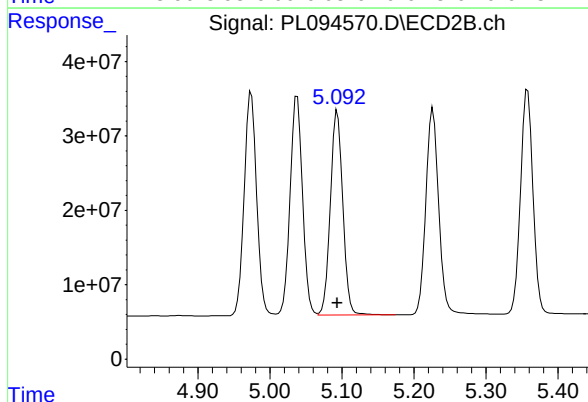
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

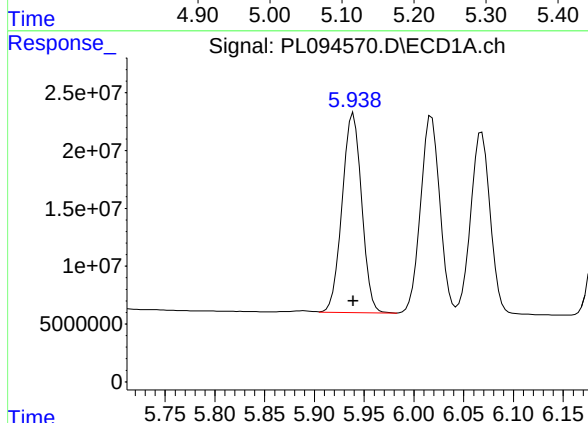
Manual Integrations
APPROVED

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



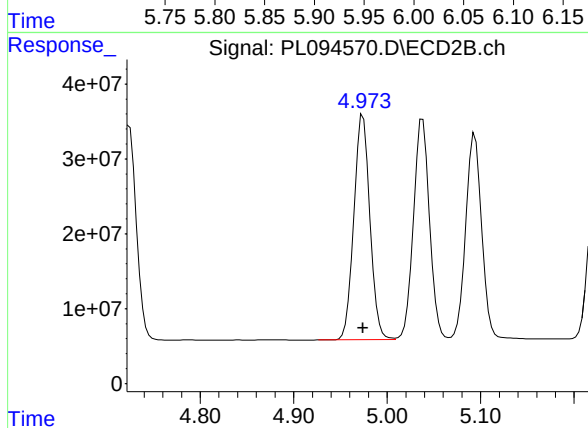
#9 Endosulfan I

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



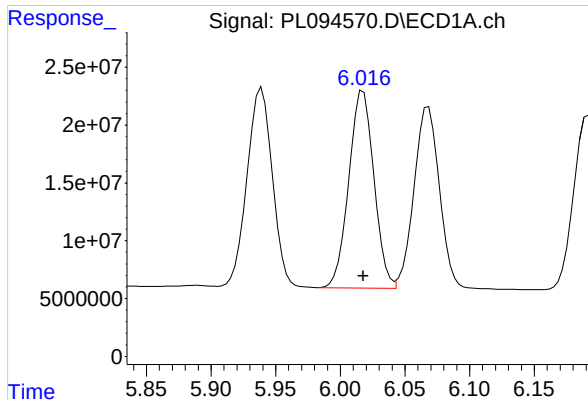
#10 gamma-Chlordane

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



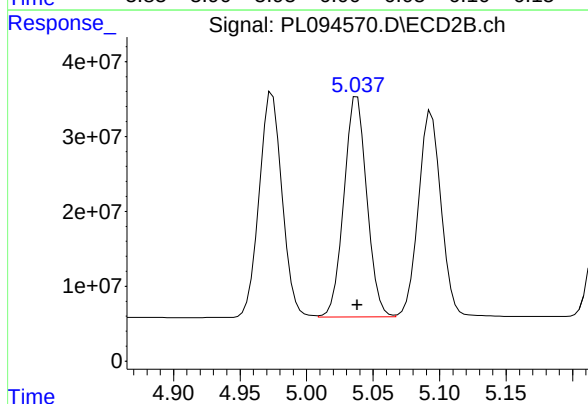
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

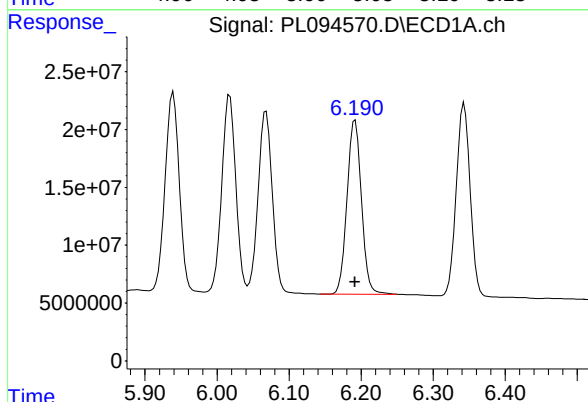
Manual Integrations
APPROVED

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



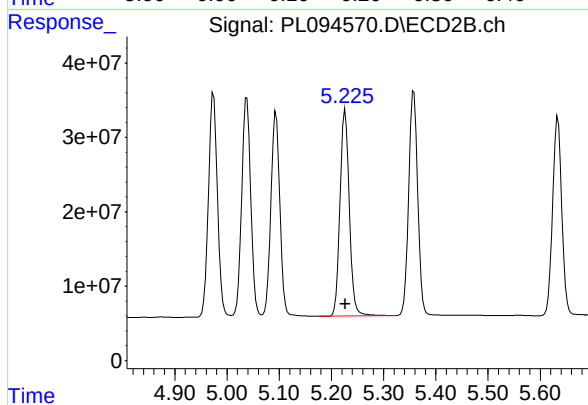
#11 alpha-Chlordane

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



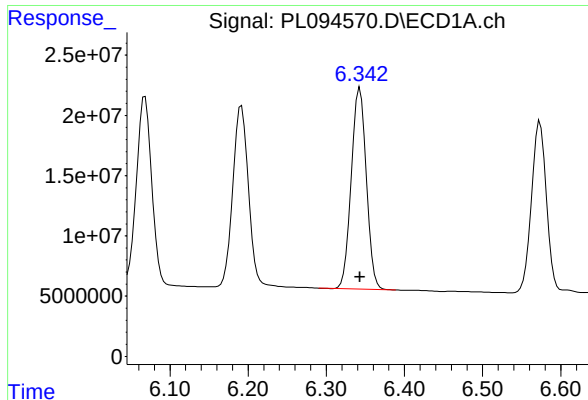
#12 4,4'-DDE

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



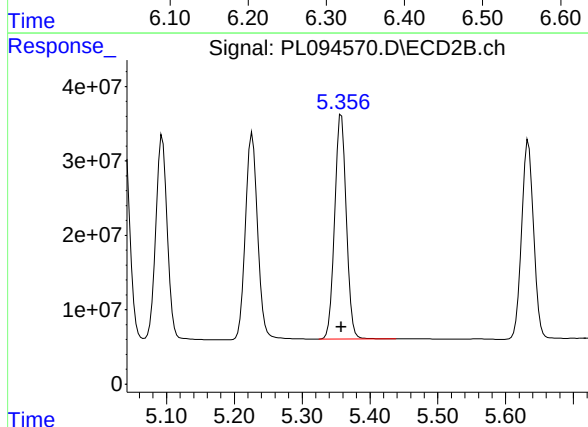
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

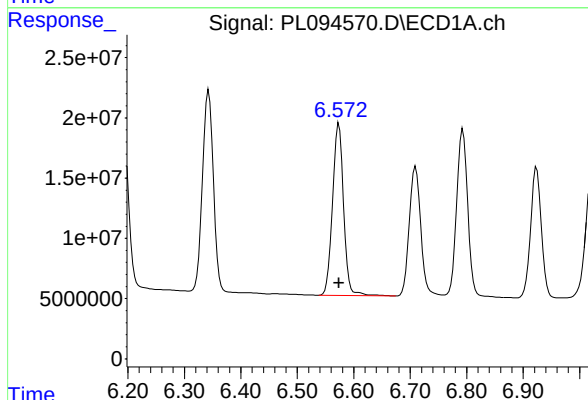
Manual Integrations
APPROVED

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



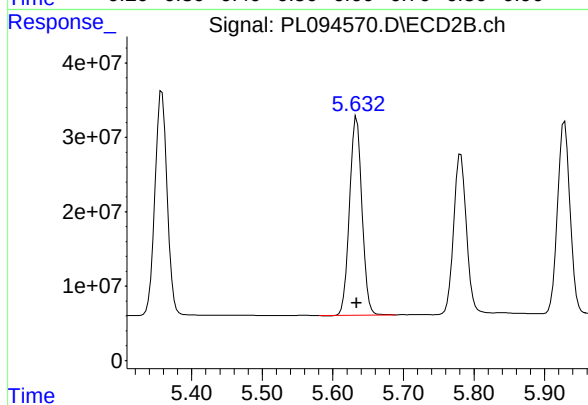
#13 Dieldrin

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



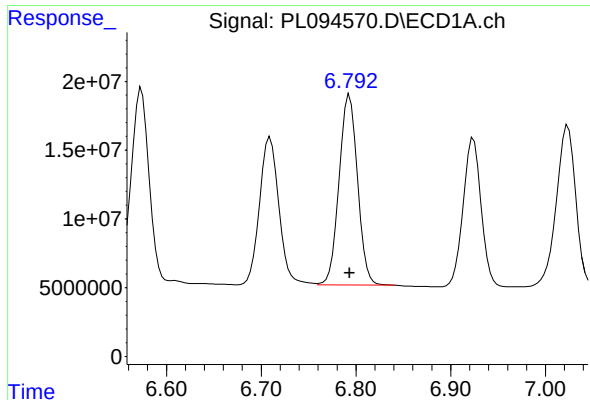
#14 Endrin

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



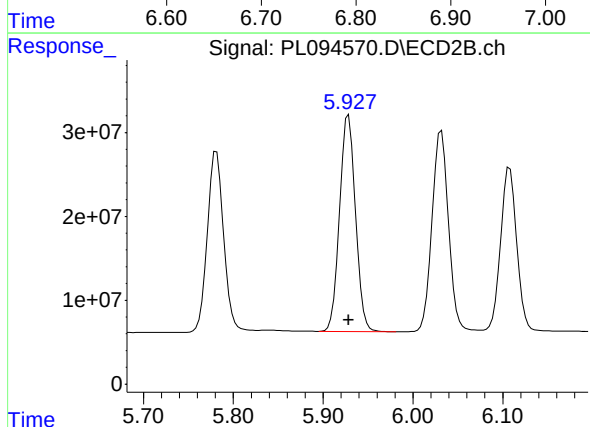
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

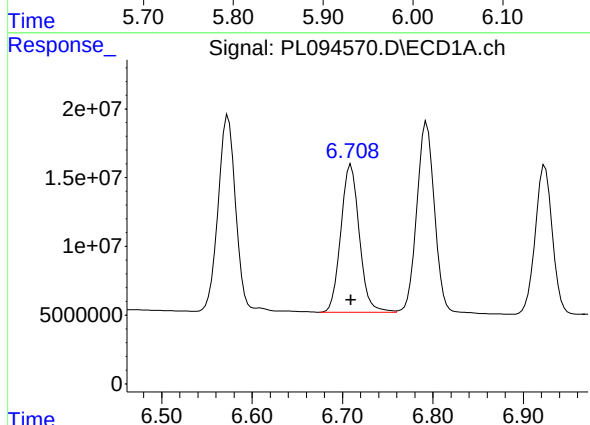
Manual Integrations
APPROVED

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



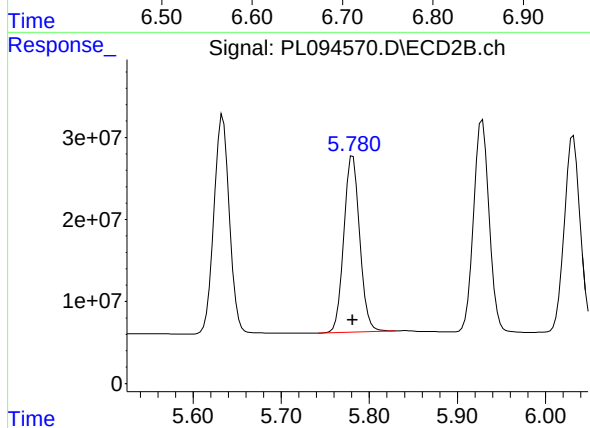
#15 Endosulfan II

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



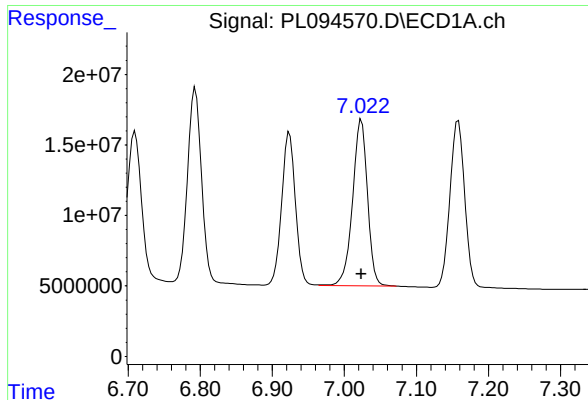
#16 4,4'-DDD

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



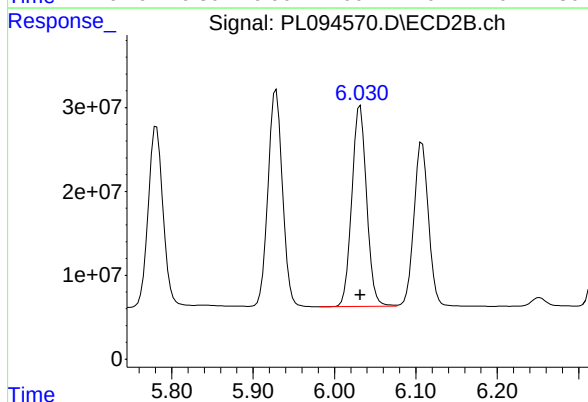
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

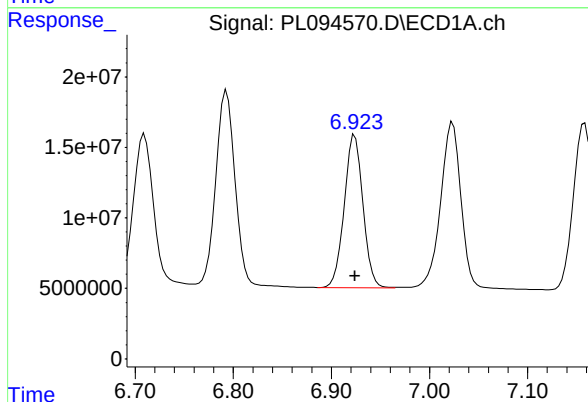
Manual Integrations
APPROVED

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



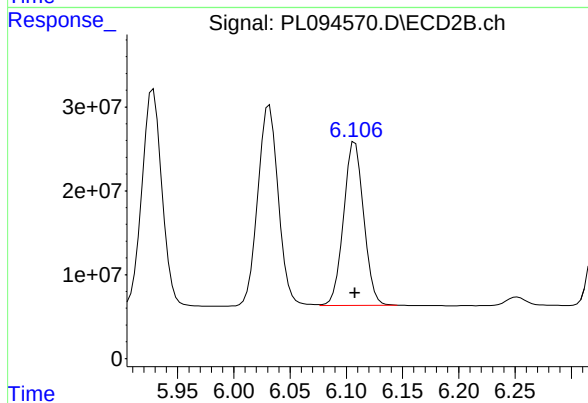
#17 4,4'-DDT

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



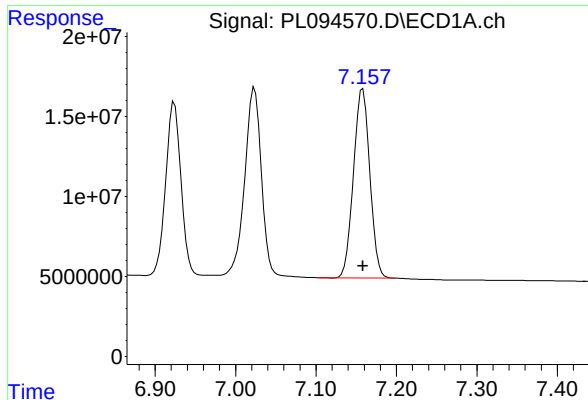
#18 Endrin aldehyde

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



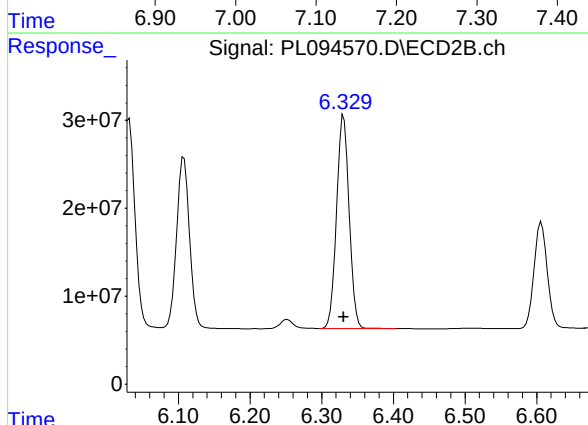
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

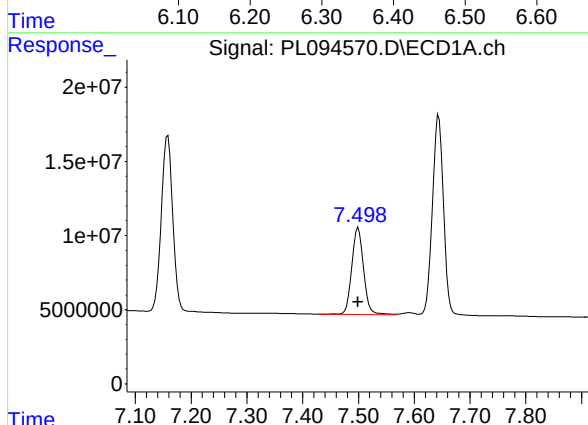
Manual Integrations
APPROVED

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



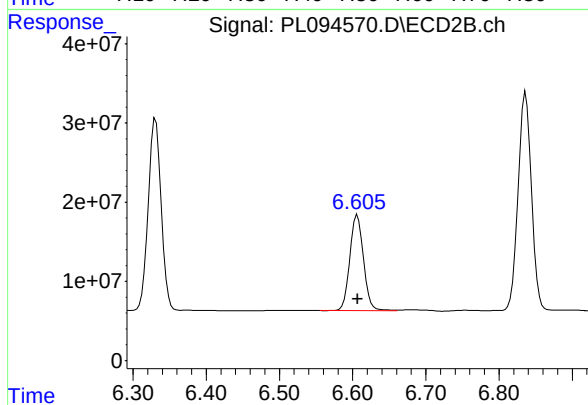
#19 Endosulfan Sulfate

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



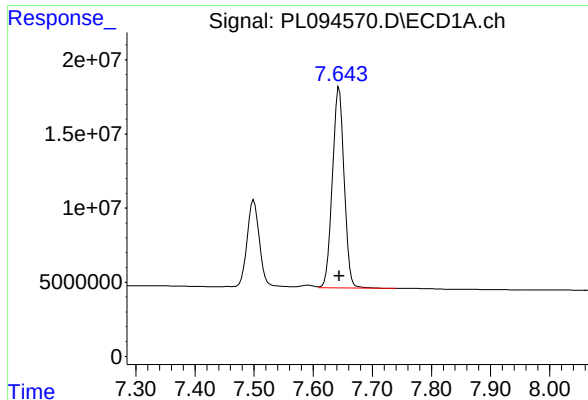
#20 Methoxychlor

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



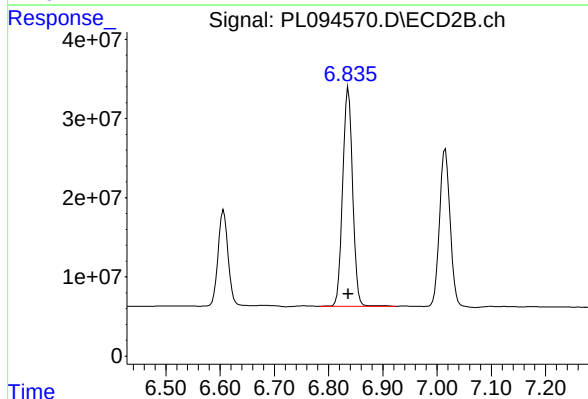
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

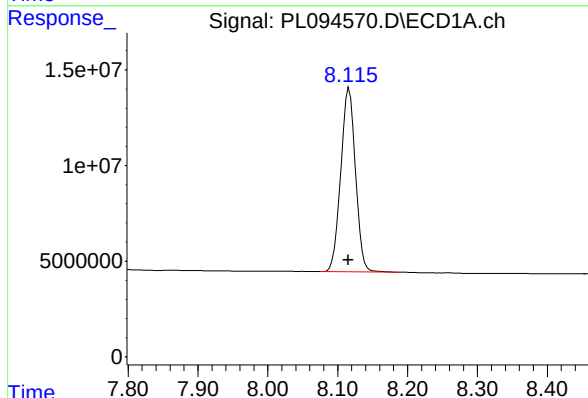
Manual Integrations
APPROVED

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



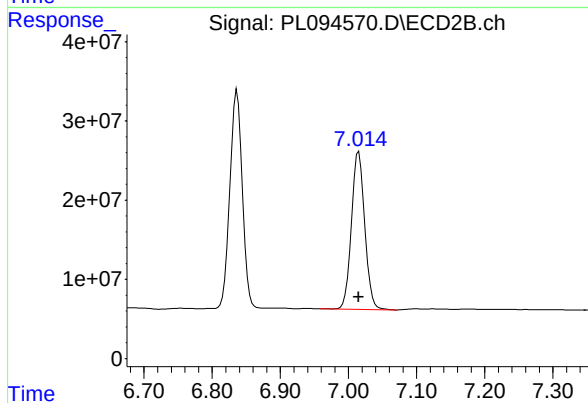
#21 Endrin ketone

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



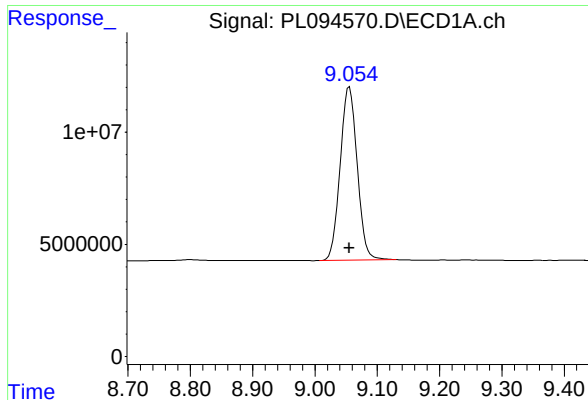
#22 Mirex

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

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

Instrument :

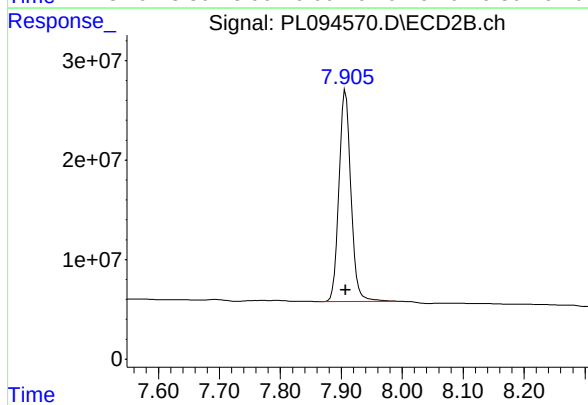
ECD_L

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

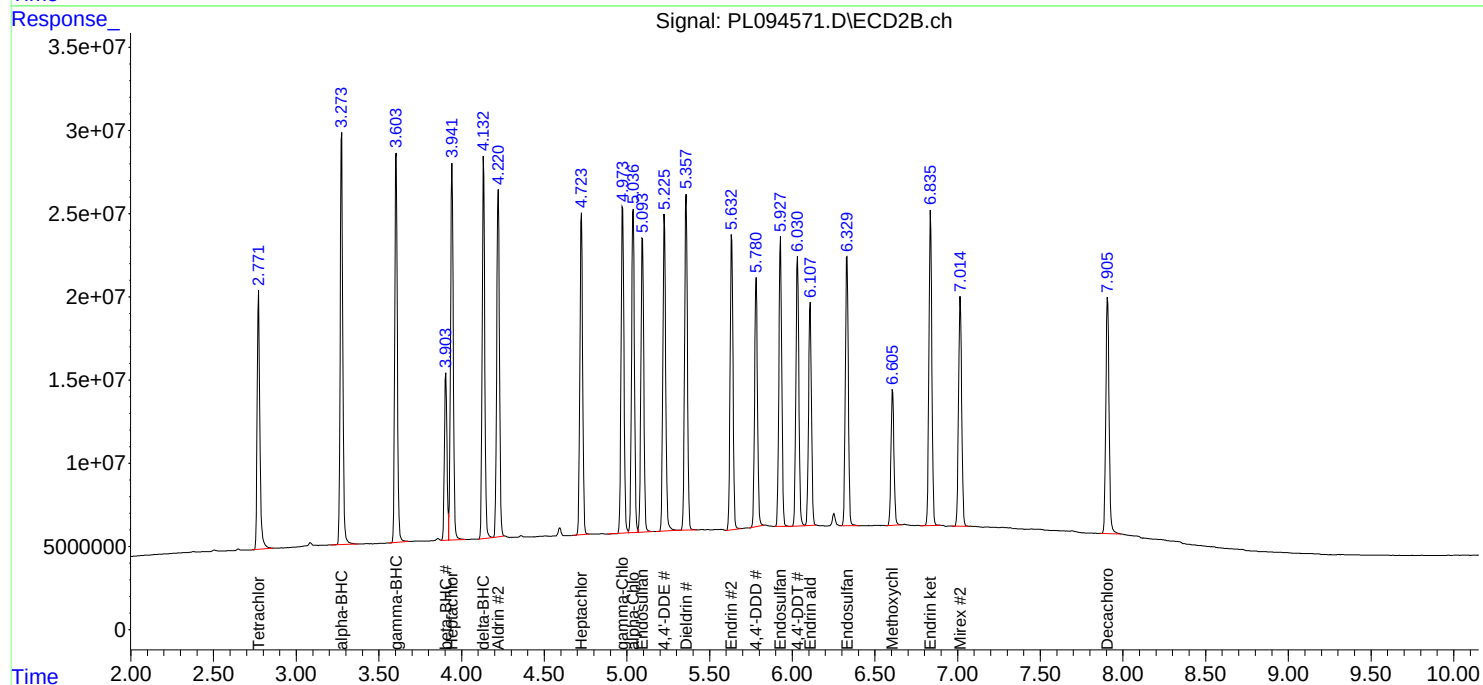
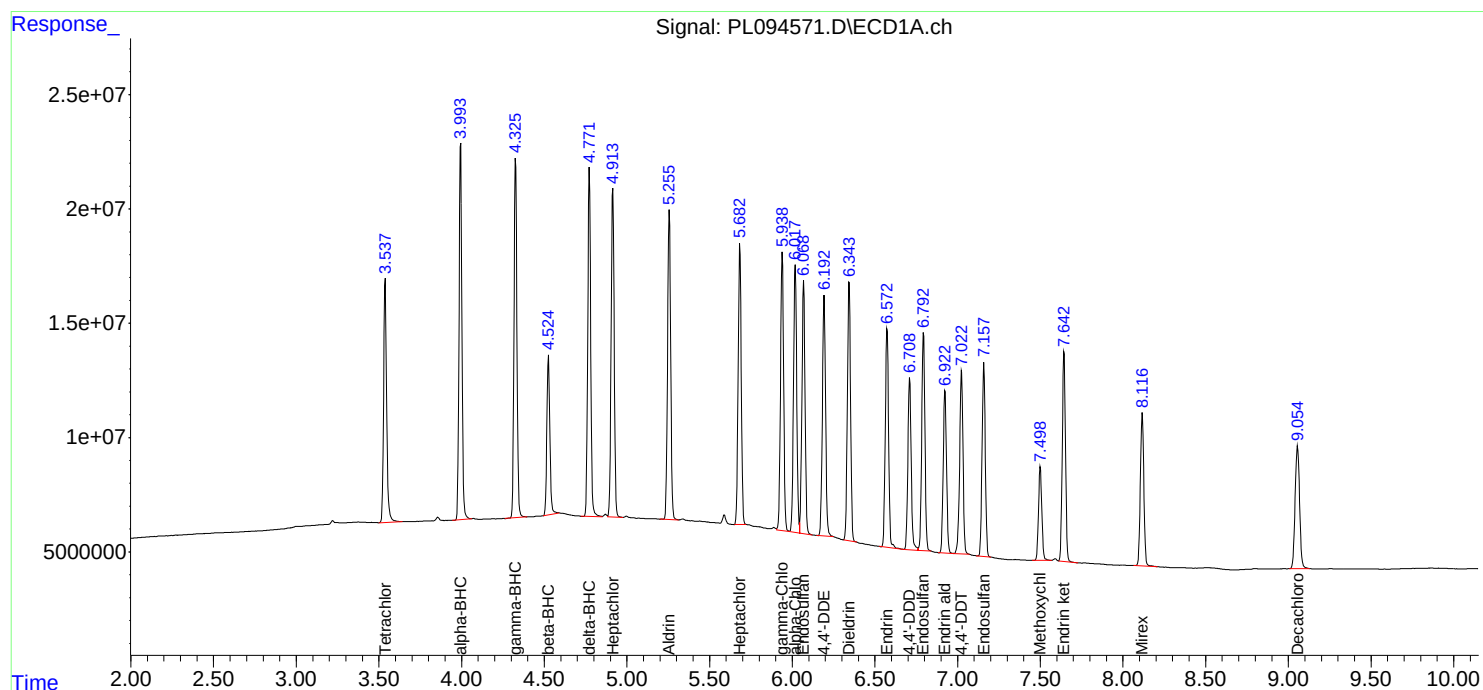
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

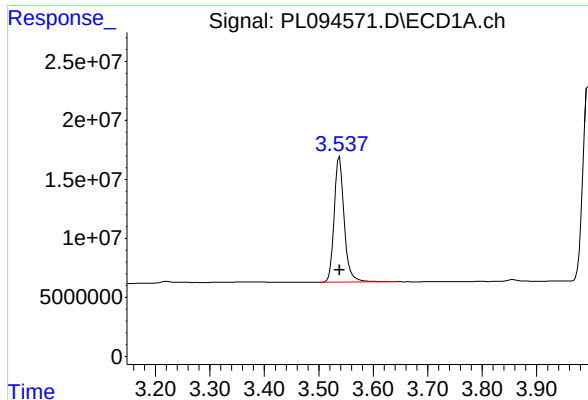
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

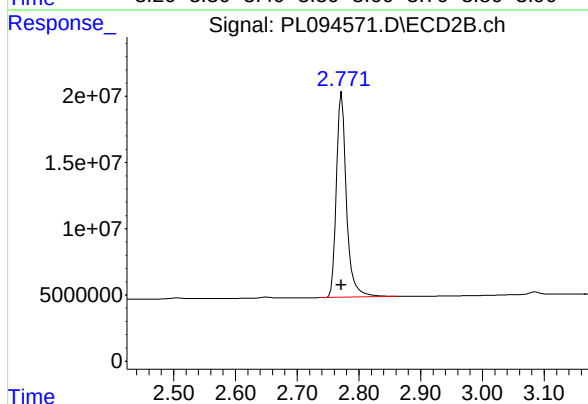




#1 Tetrachloro-m-xylene

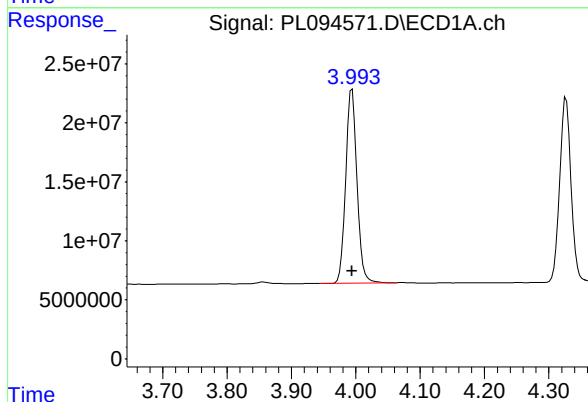
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 136137104
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



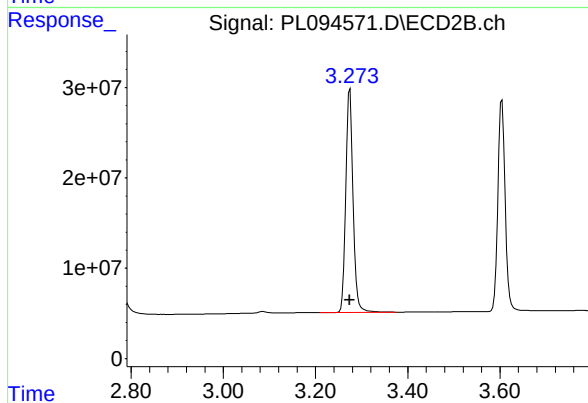
#1 Tetrachloro-m-xylene

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



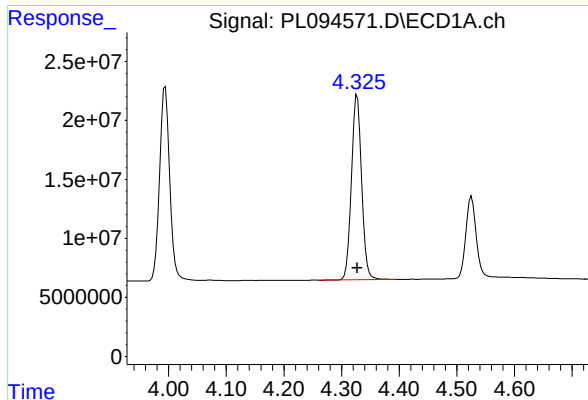
#2 alpha-BHC

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



#2 alpha-BHC

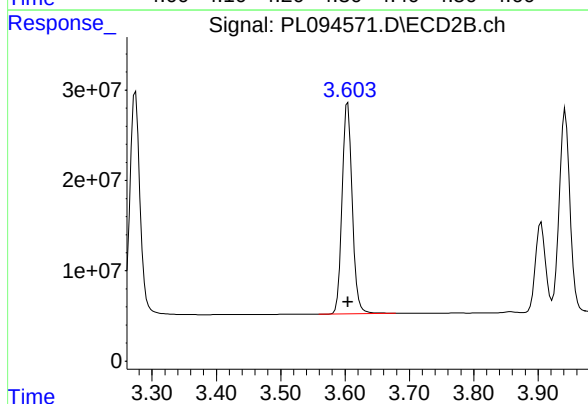
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 270359380
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

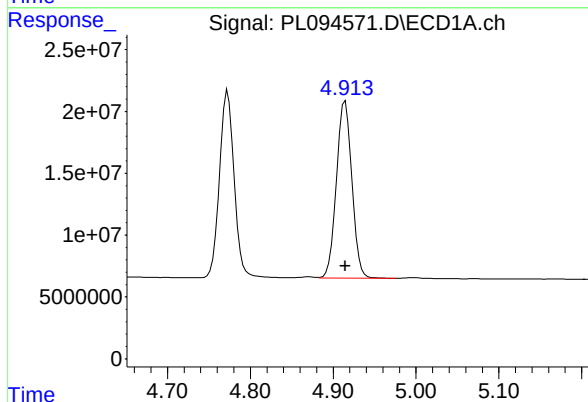
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192070832
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



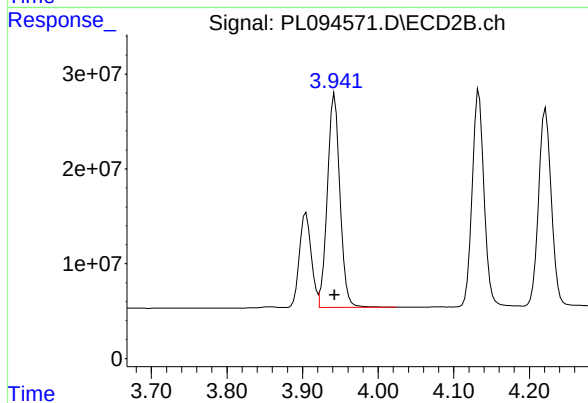
#3 gamma-BHC (Lindane)

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



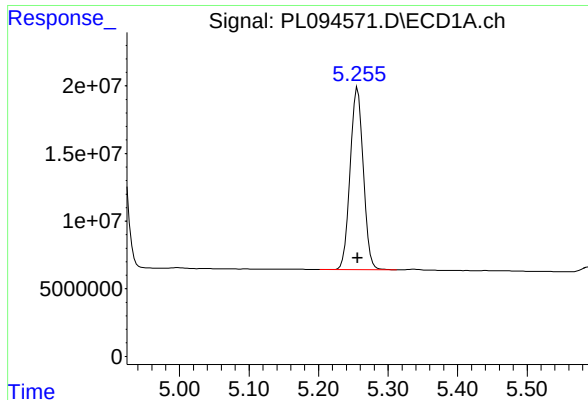
#4 Heptachlor

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



#4 Heptachlor

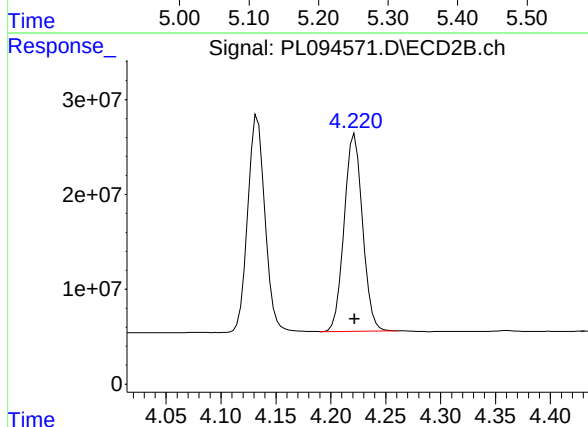
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 261438317
Conc: 50.00 ng/ml



#5 Aldrin

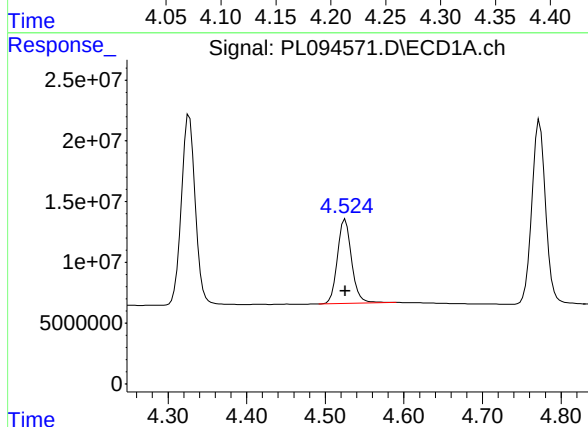
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 176587729
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



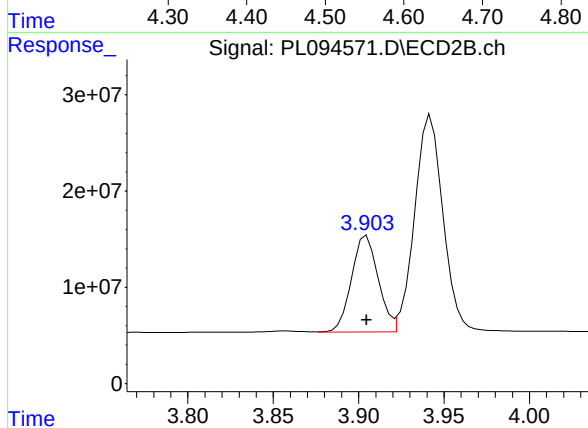
#5 Aldrin

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



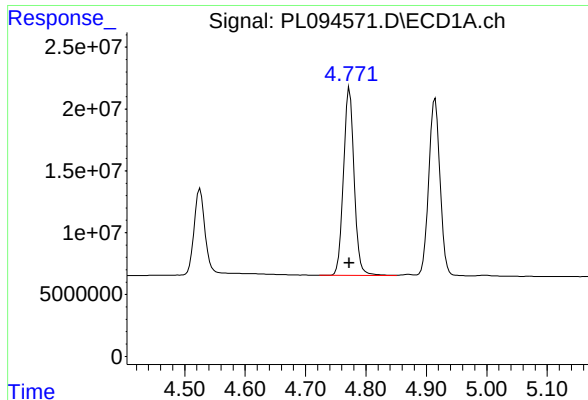
#6 beta-BHC

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



#6 beta-BHC

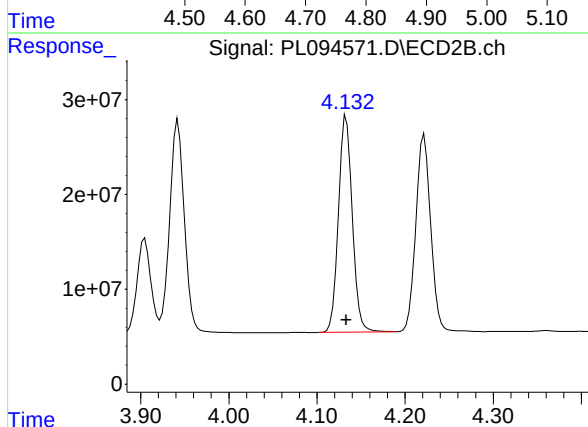
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 108608578
Conc: 50.00 ng/ml



#7 delta-BHC

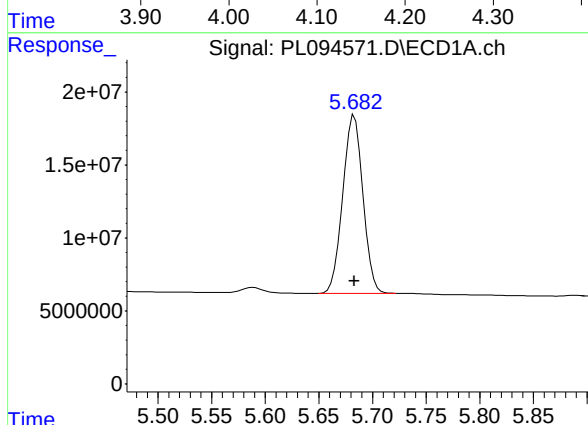
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186003116
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



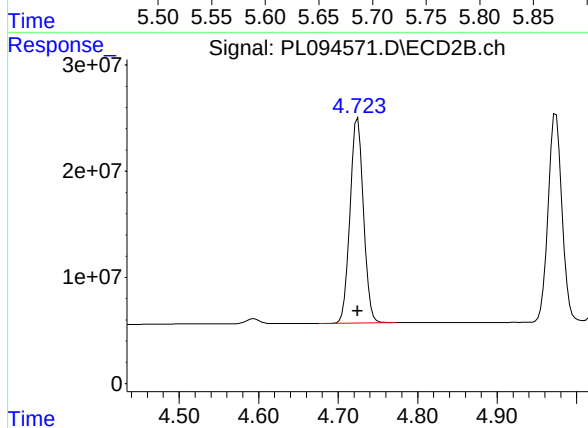
#7 delta-BHC

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



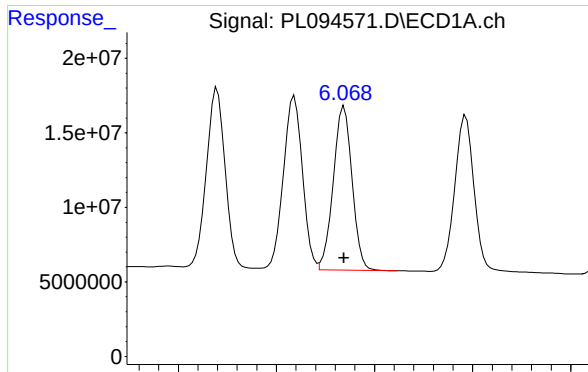
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

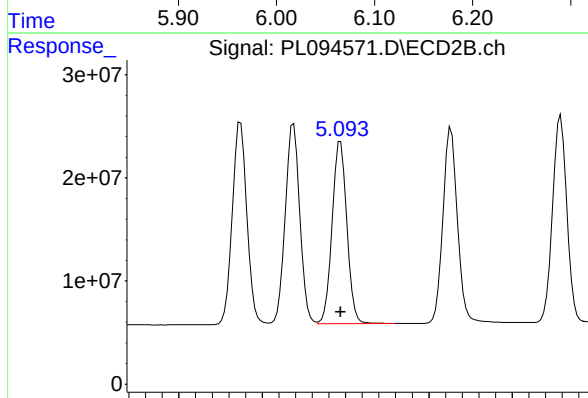
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 226476106
Conc: 50.00 ng/ml



#9 Endosulfan I

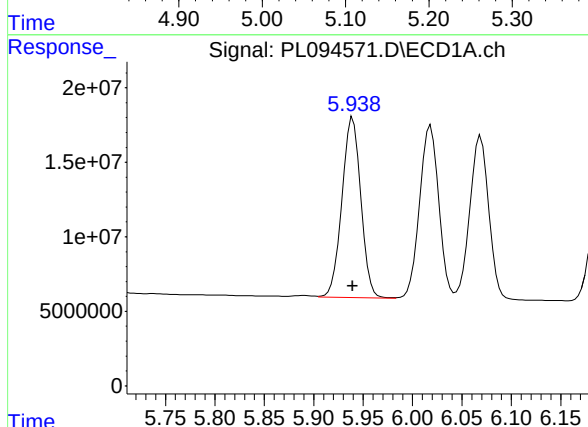
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 146211036
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



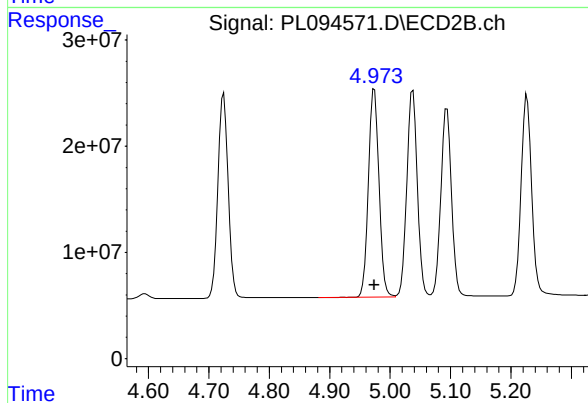
#9 Endosulfan I

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



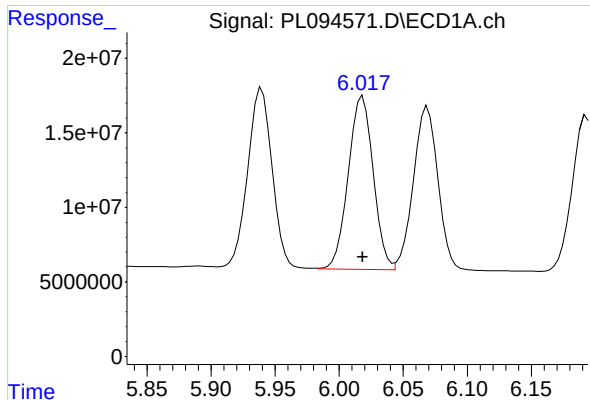
#10 gamma-Chlordane

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



#10 gamma-Chlordane

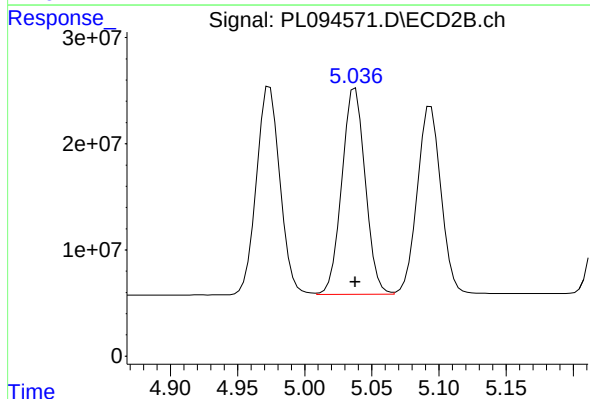
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 238530717
Conc: 50.00 ng/ml



#11 alpha-Chlordane

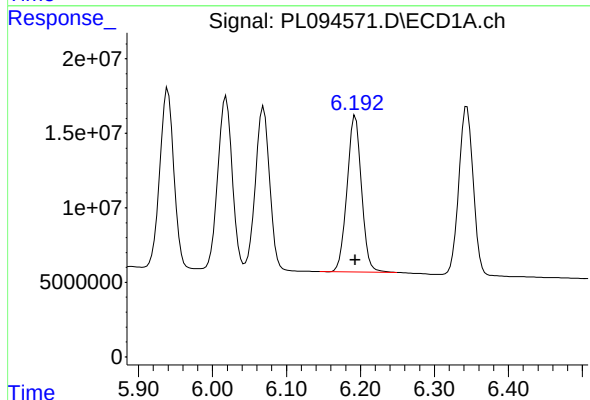
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157277512
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



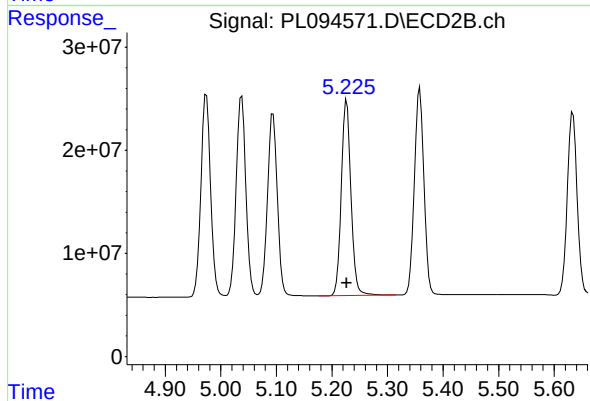
#11 alpha-Chlordane

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



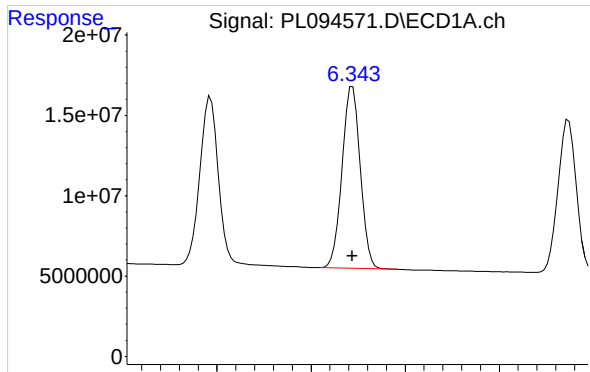
#12 4,4'-DDE

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



#12 4,4'-DDE

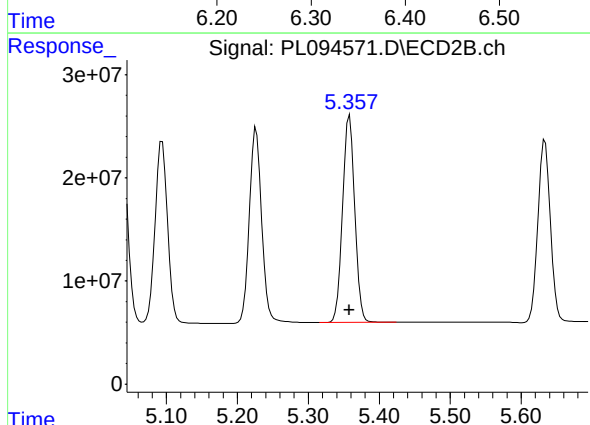
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 229476795
Conc: 50.00 ng/ml



#13 Dieldrin

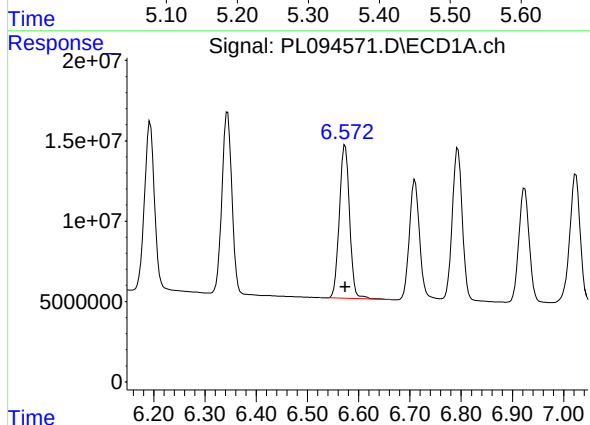
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 152019217
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



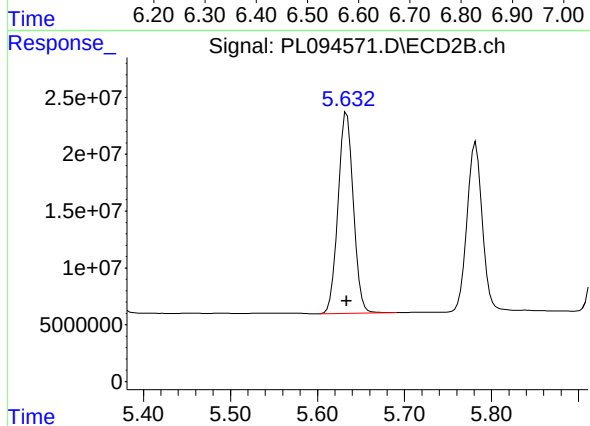
#13 Dieldrin

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



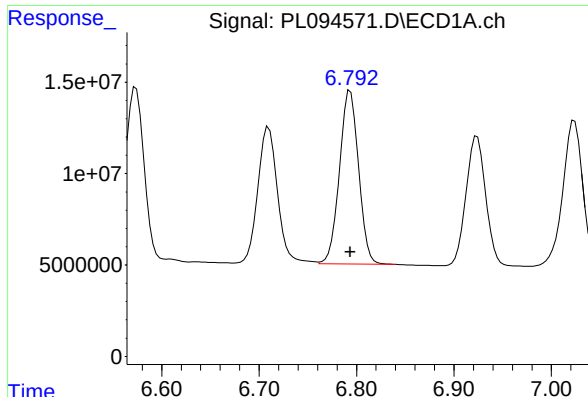
#14 Endrin

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



#14 Endrin

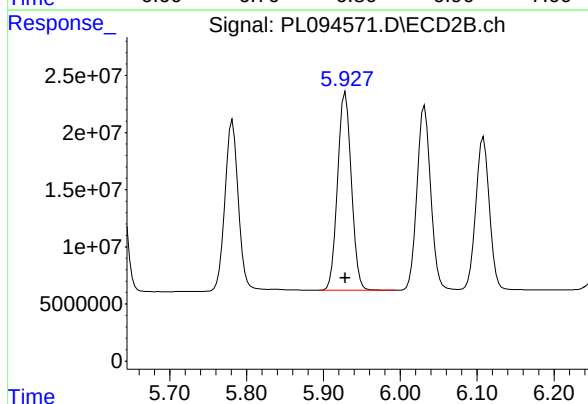
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 216302938
Conc: 50.00 ng/ml



#15 Endosulfan II

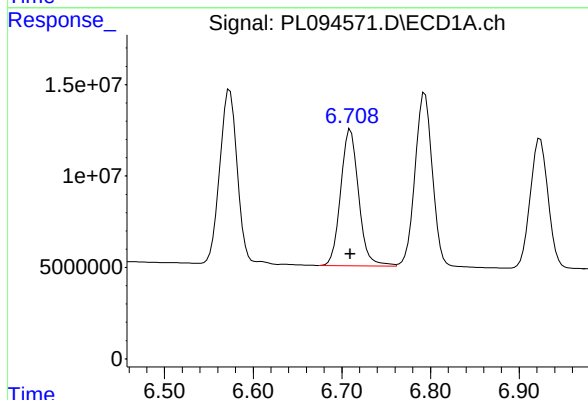
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 128973277
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



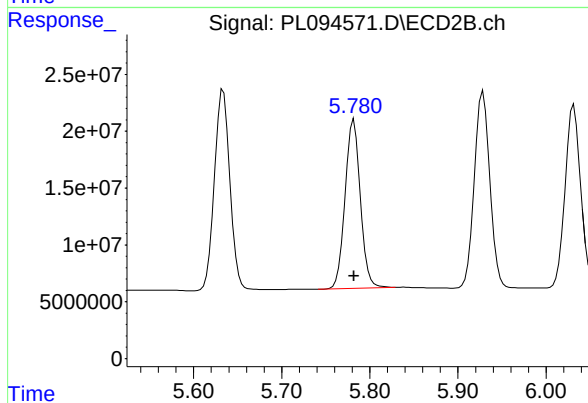
#15 Endosulfan II

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



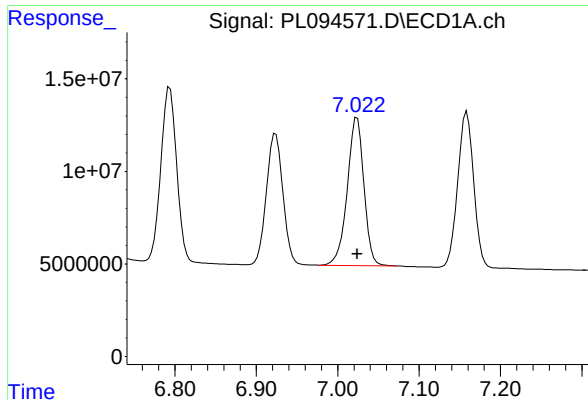
#16 4,4'-DDD

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



#16 4,4'-DDD

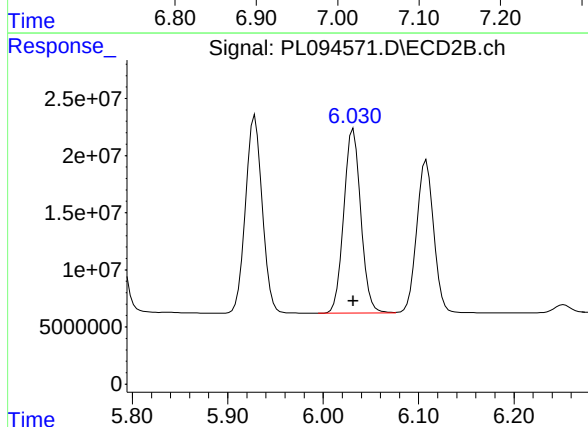
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 179139916
Conc: 50.00 ng/ml



#17 4,4'-DDT

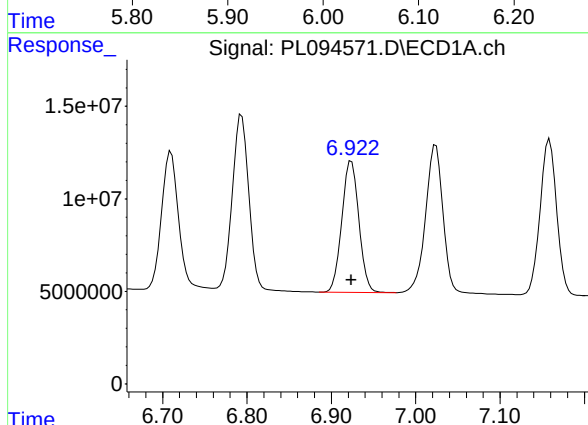
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114135799
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



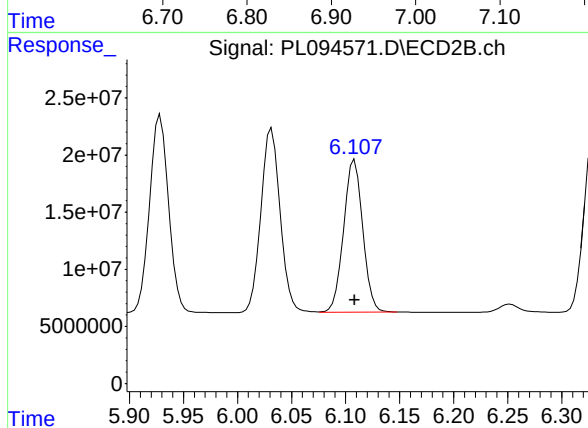
#17 4,4'-DDT

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



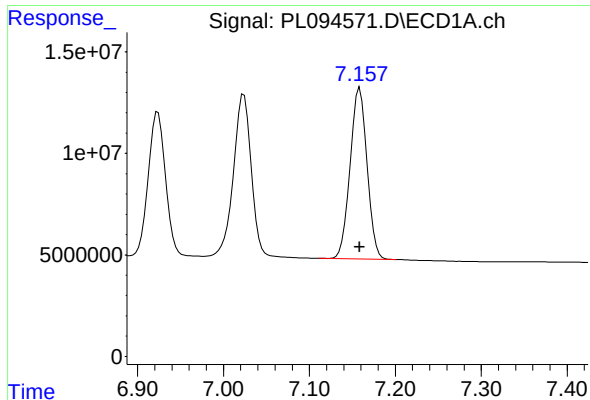
#18 Endrin aldehyde

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



#18 Endrin aldehyde

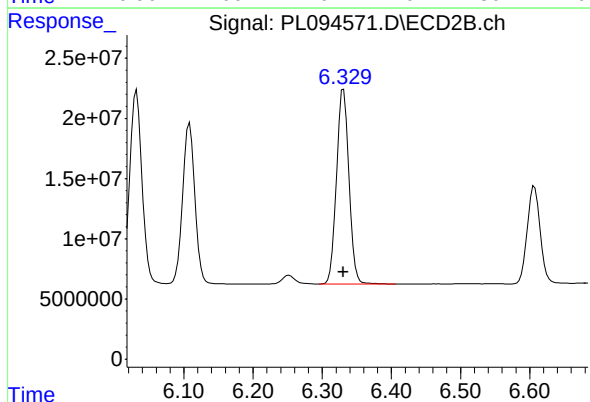
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 163954531
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

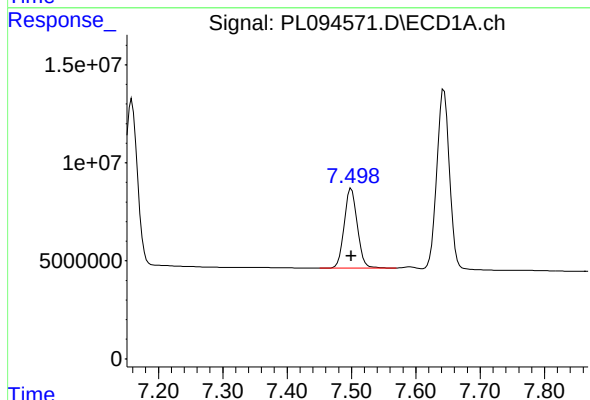
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 114763710
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



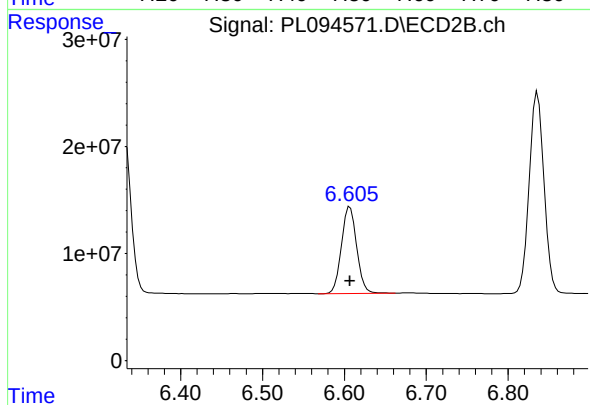
#19 Endosulfan Sulfate

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



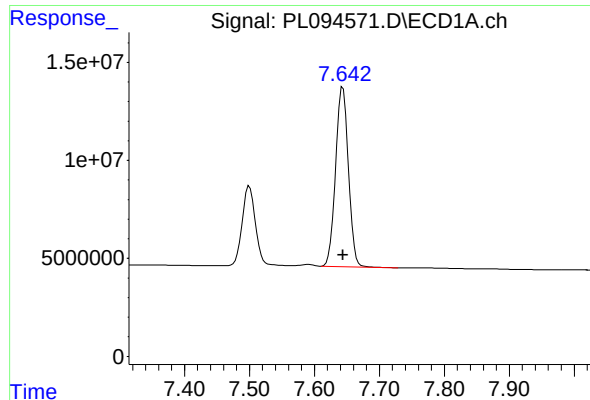
#20 Methoxychlor

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



#20 Methoxychlor

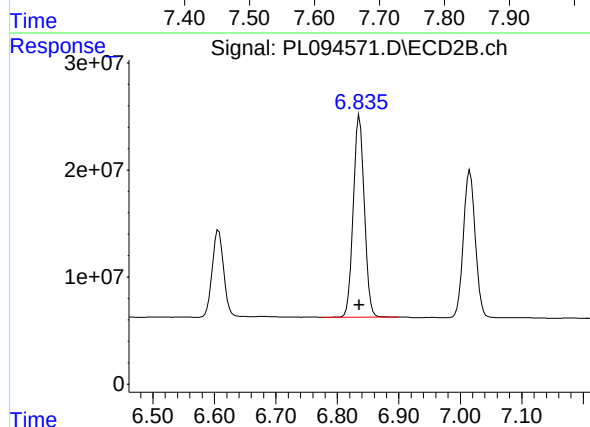
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 104967475
Conc: 50.00 ng/ml



#21 Endrin ketone

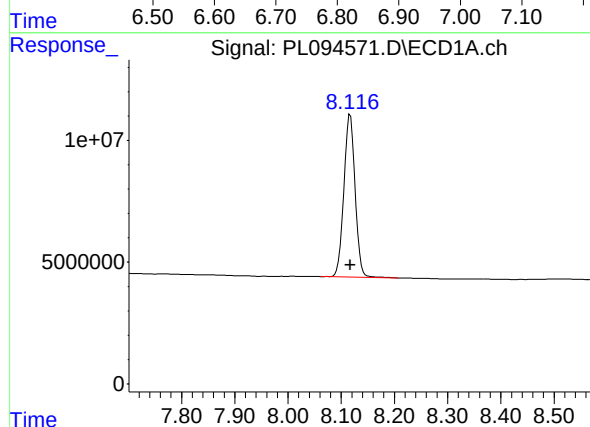
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 125237492
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



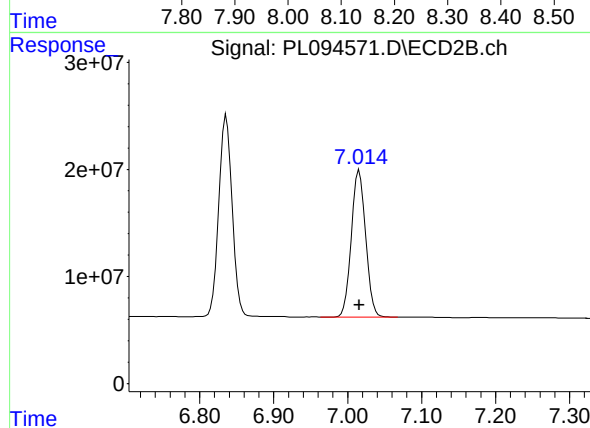
#21 Endrin ketone

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



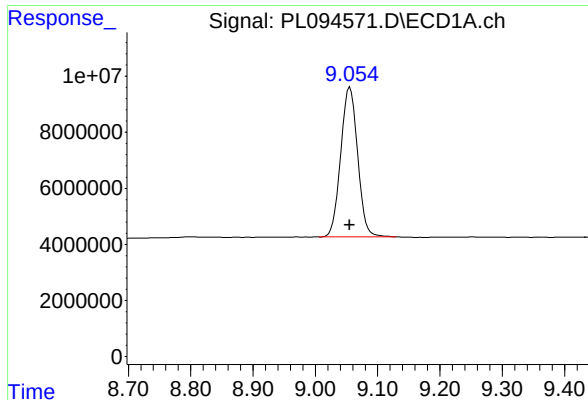
#22 Mirex

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



#22 Mirex

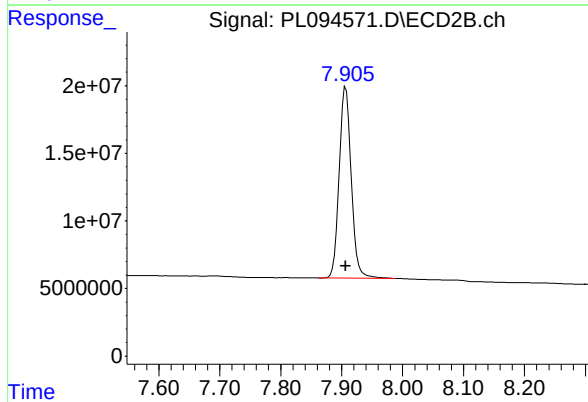
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 184180134
Conc: 50.00 ng/ml



#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

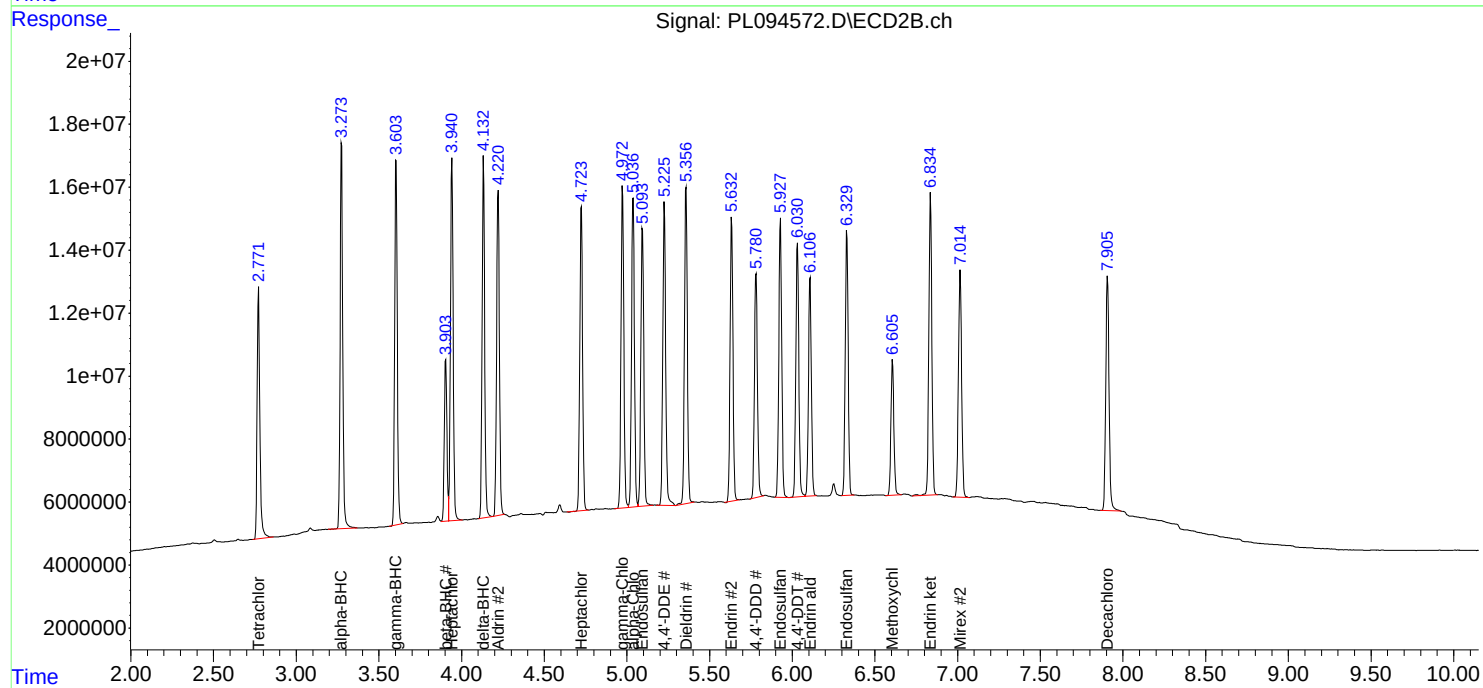
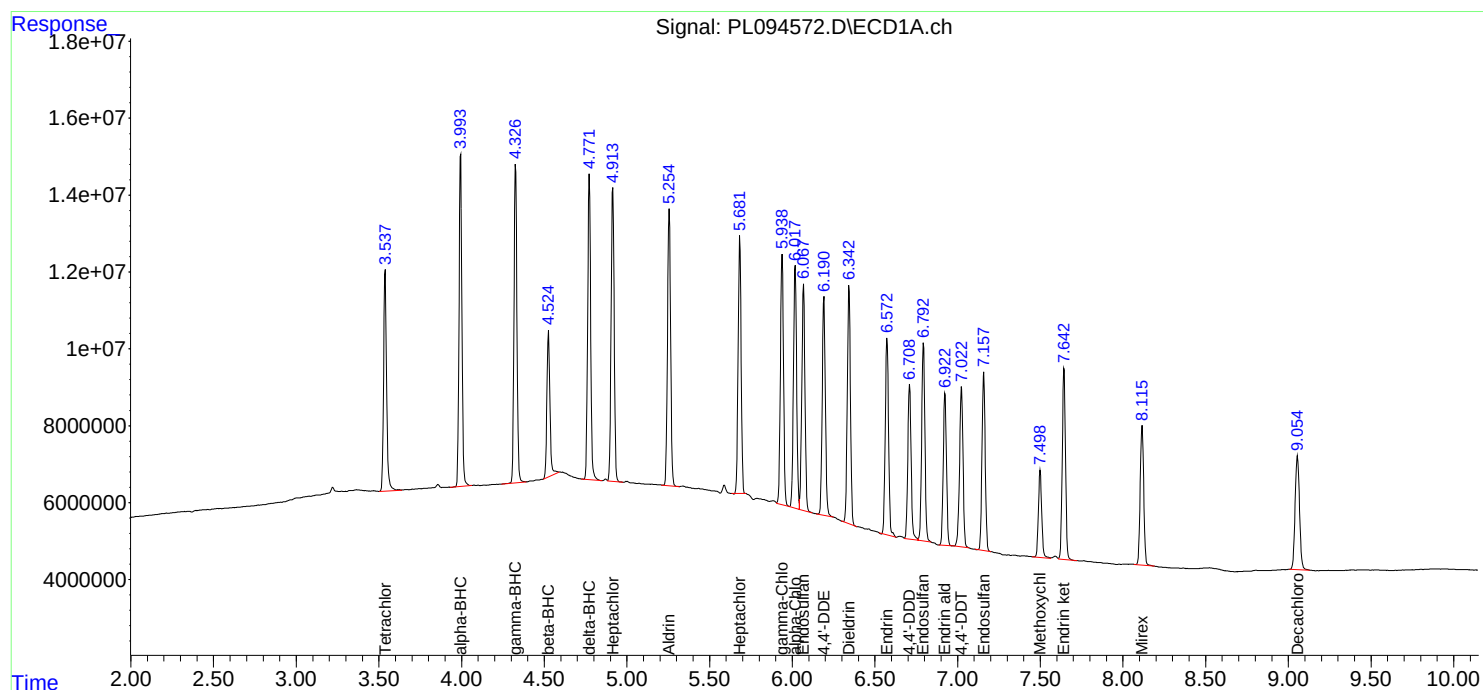
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

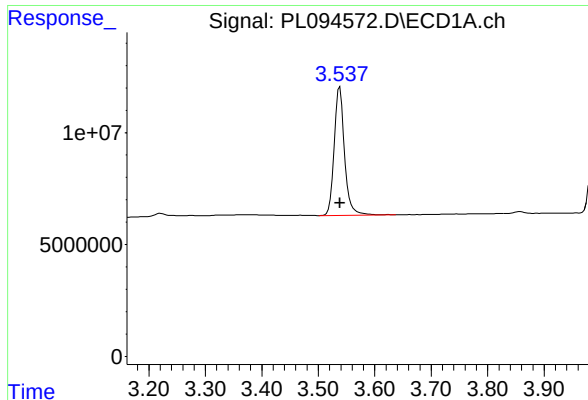
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

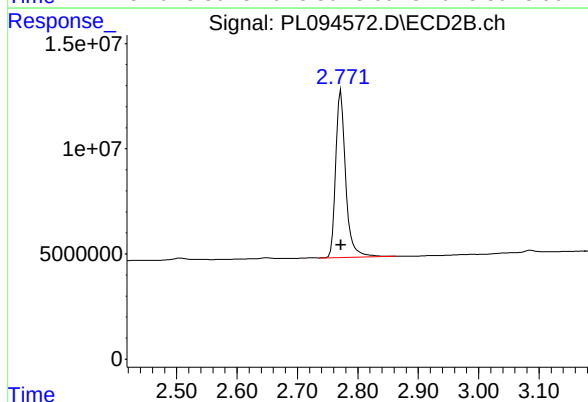




#1 Tetrachloro-m-xylene

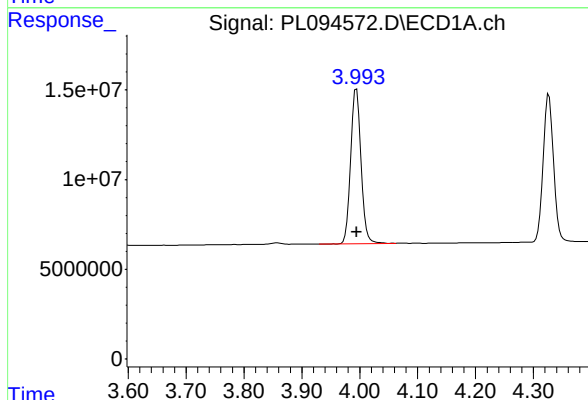
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 73066671
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



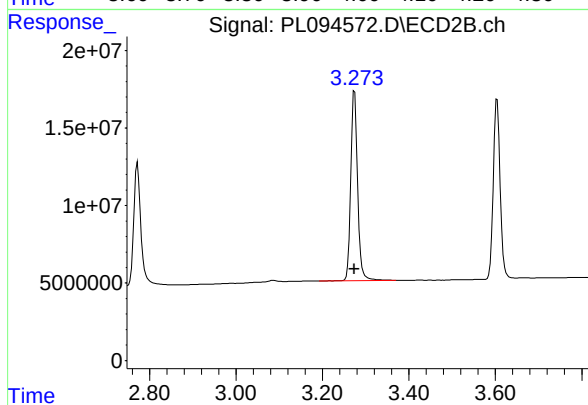
#1 Tetrachloro-m-xylene

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



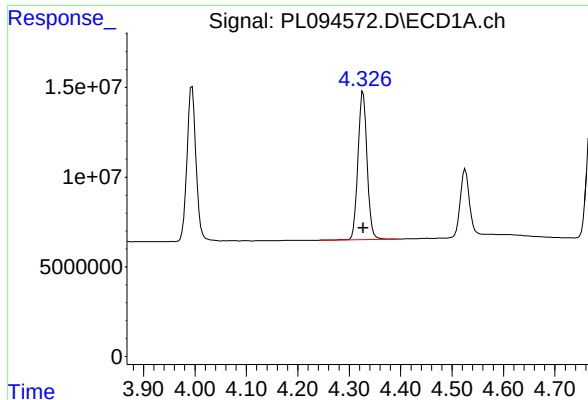
#2 alpha-BHC

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



#2 alpha-BHC

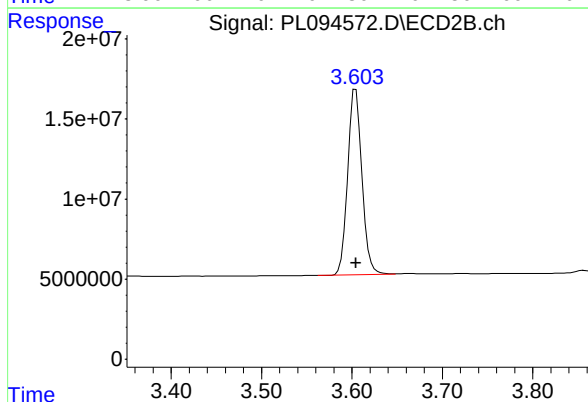
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 134567621
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

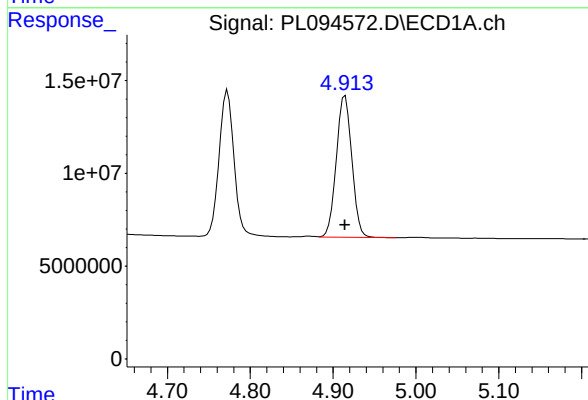
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 101519263
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



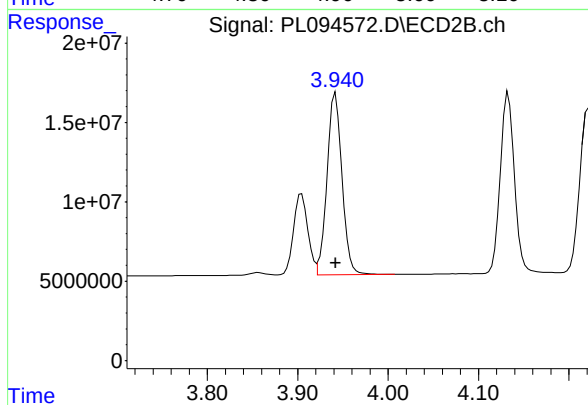
#3 gamma-BHC (Lindane)

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



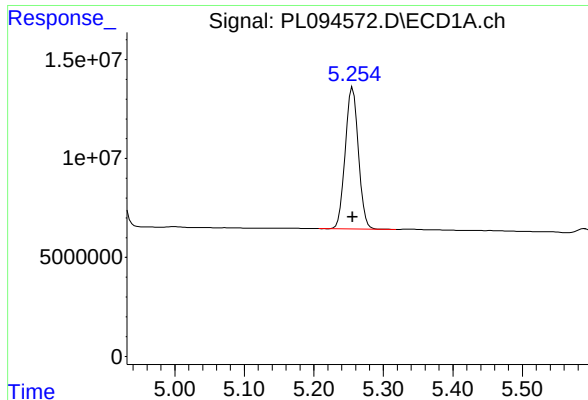
#4 Heptachlor

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



#4 Heptachlor

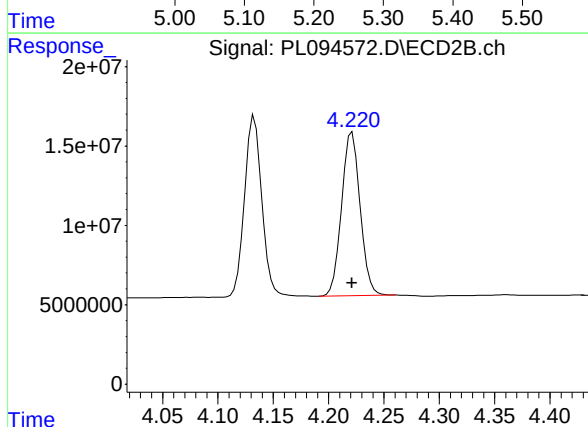
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 131830585
Conc: 24.96 ng/ml



#5 Aldrin

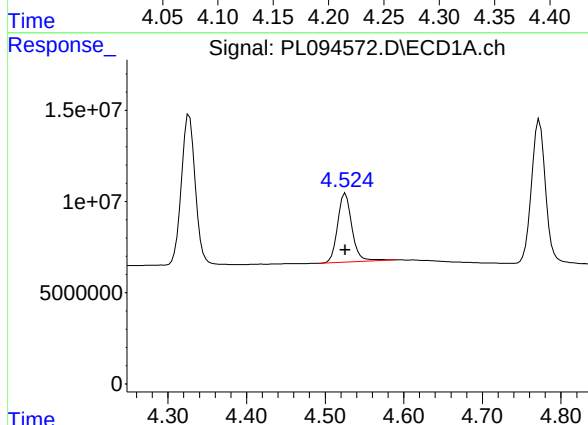
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 94187974
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



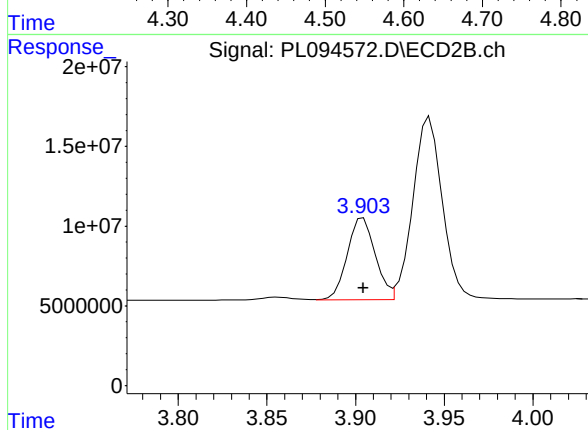
#5 Aldrin

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



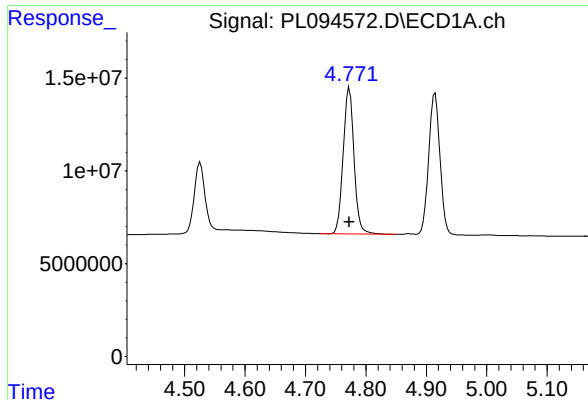
#6 beta-BHC

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



#6 beta-BHC

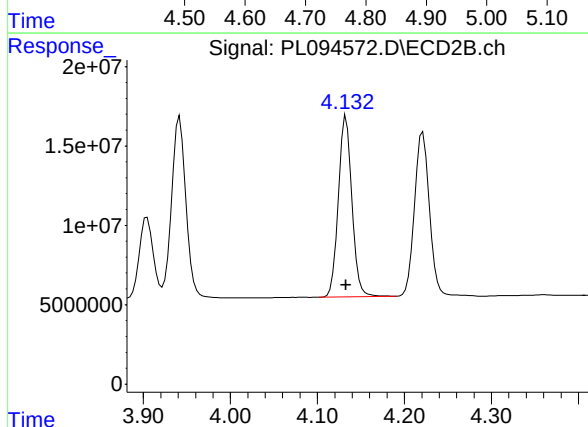
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 56269720
Conc: 25.67 ng/ml



#7 delta-BHC

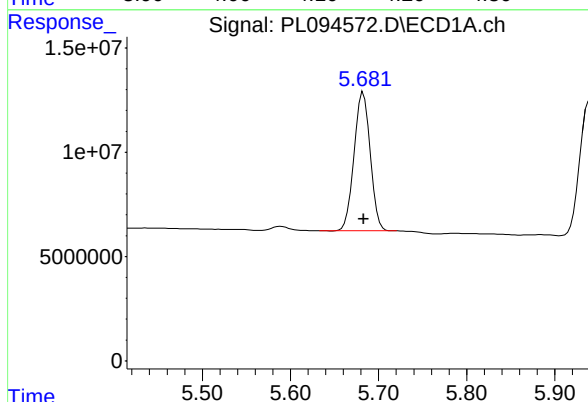
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98323171
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



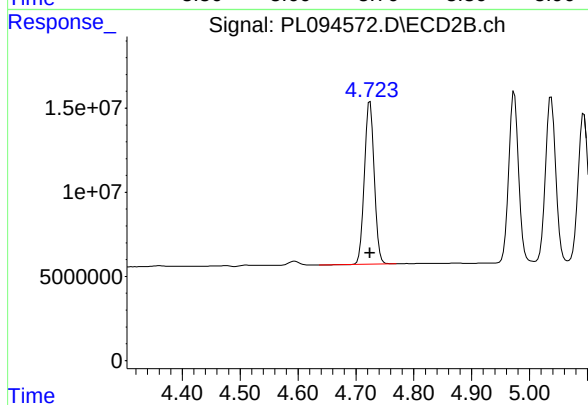
#7 delta-BHC

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



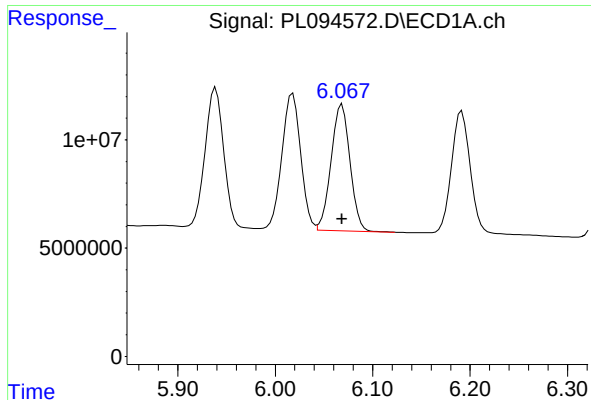
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

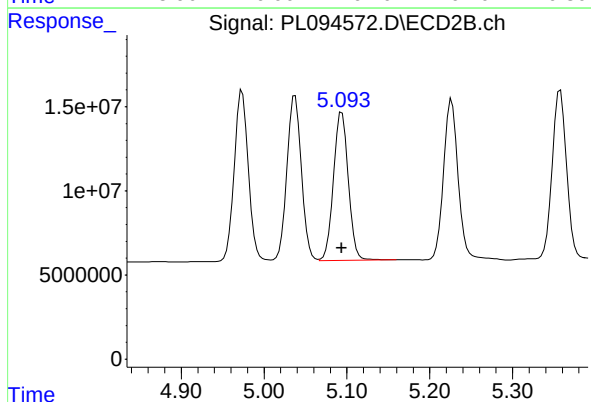
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 114828282
Conc: 25.15 ng/ml



#9 Endosulfan I

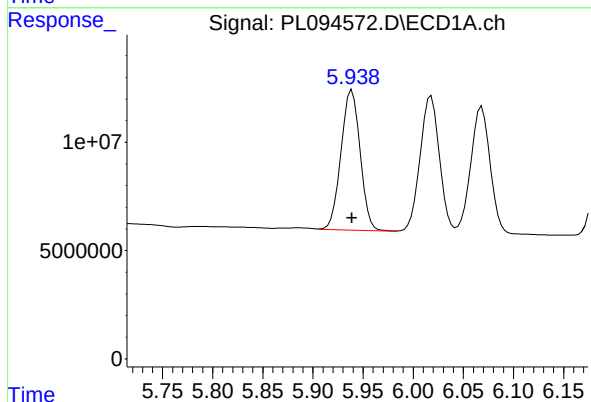
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 78452105
Conc: 26.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



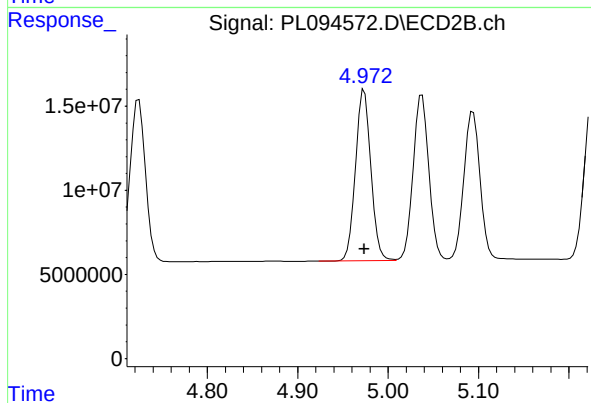
#9 Endosulfan I

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



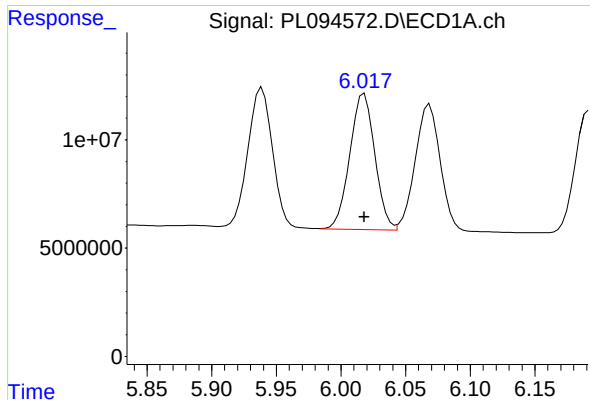
#10 gamma-Chlordane

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



#10 gamma-Chlordane

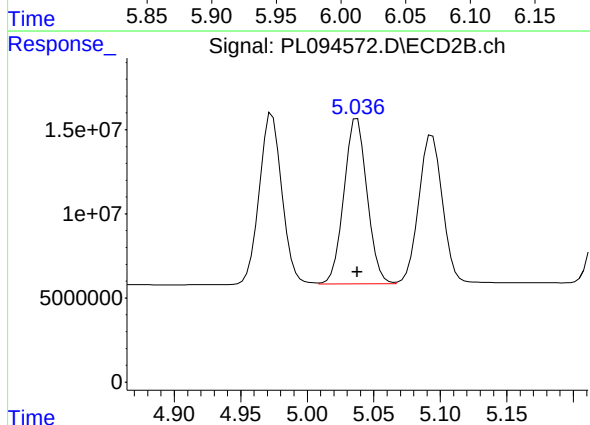
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 120286873
Conc: 24.88 ng/ml



#11 alpha-Chlordane

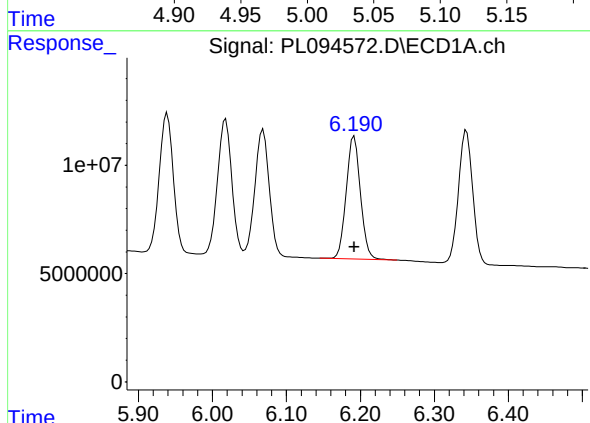
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 84236346
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



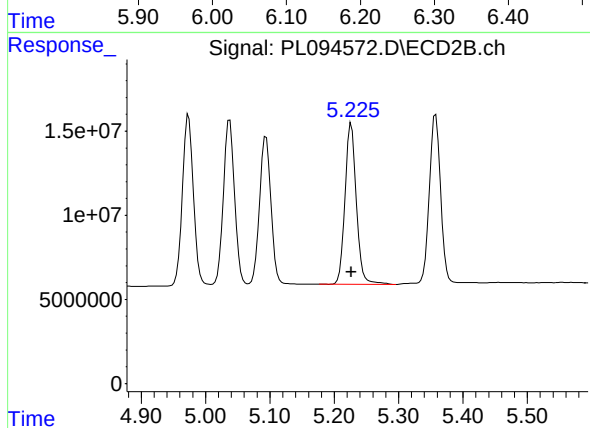
#11 alpha-Chlordane

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



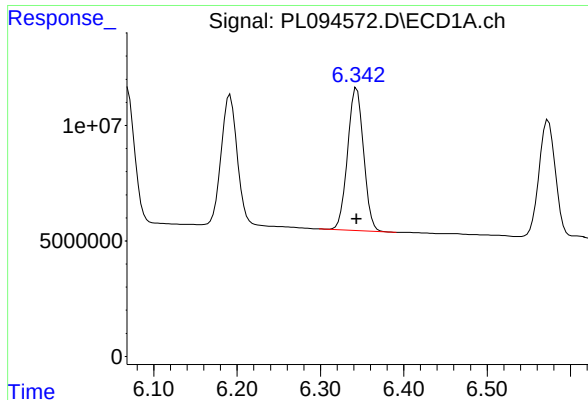
#12 4,4'-DDE

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



#12 4,4'-DDE

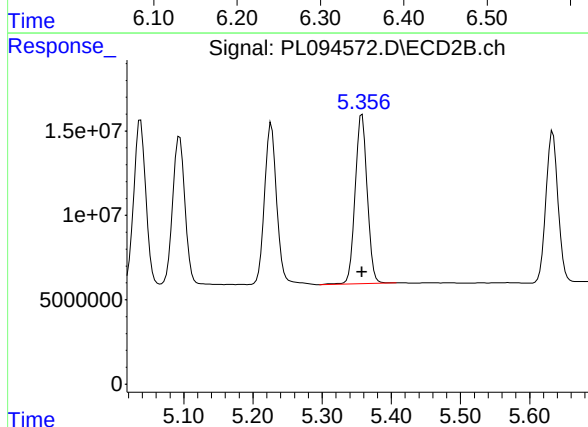
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 117694938
Conc: 25.25 ng/ml



#13 Dieldrin

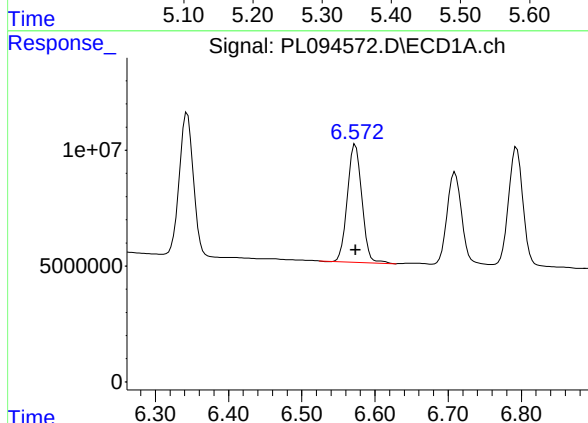
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 81751323
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



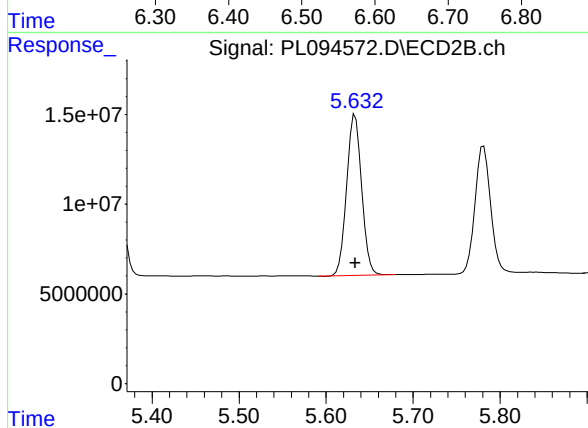
#13 Dieldrin

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



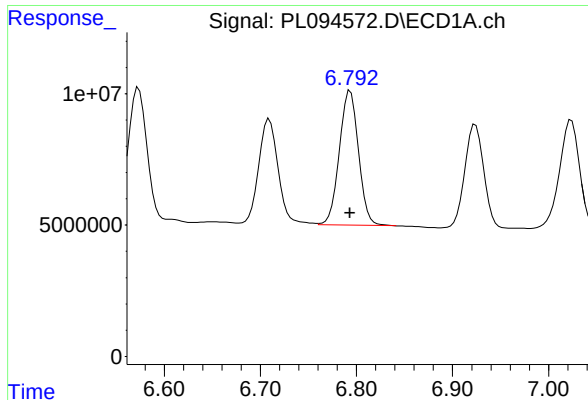
#14 Endrin

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



#14 Endrin

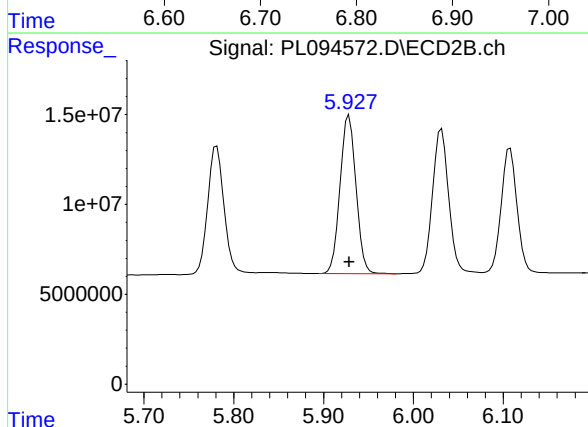
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 108262899
Conc: 24.86 ng/ml



#15 Endosulfan II

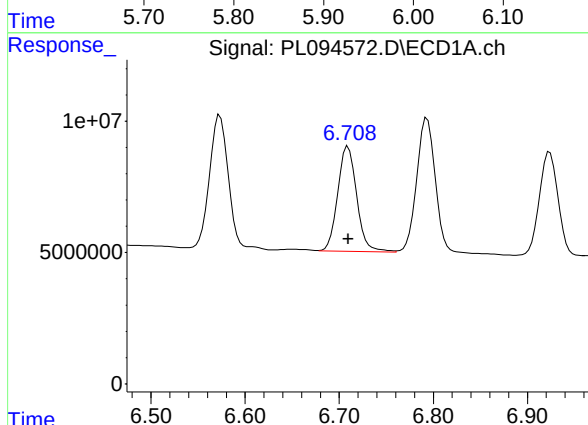
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 69950473
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



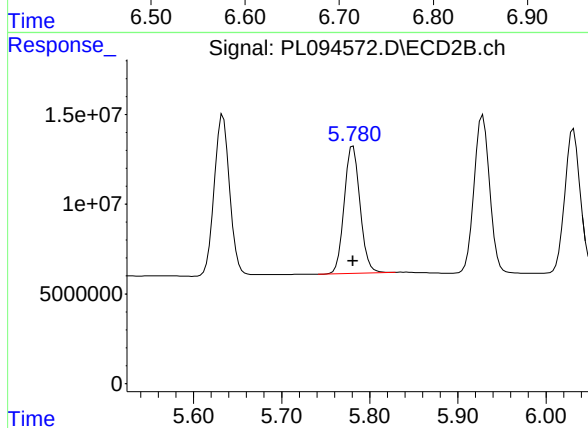
#15 Endosulfan II

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



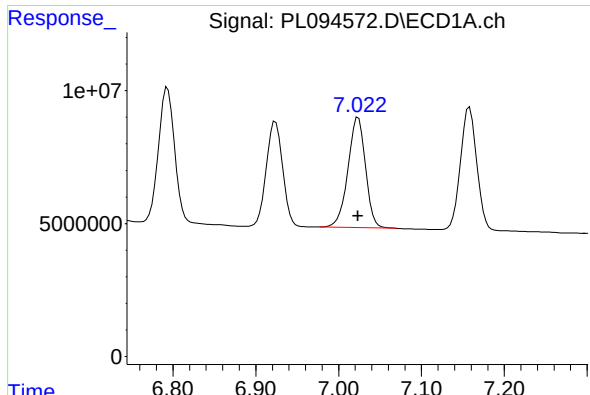
#16 4,4'-DDD

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



#16 4,4'-DDD

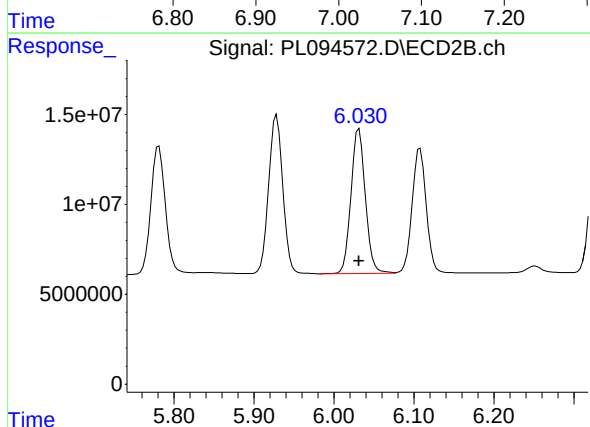
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 88985458
Conc: 24.57 ng/ml



#17 4,4'-DDT

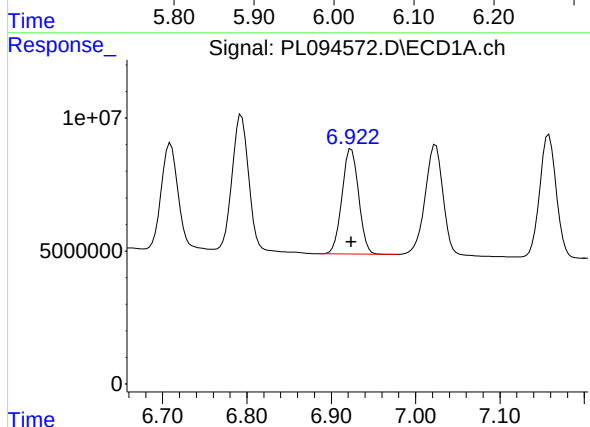
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 61047291
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



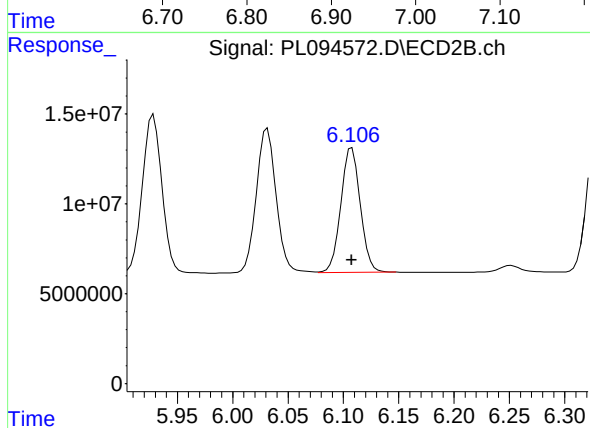
#17 4,4'-DDT

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



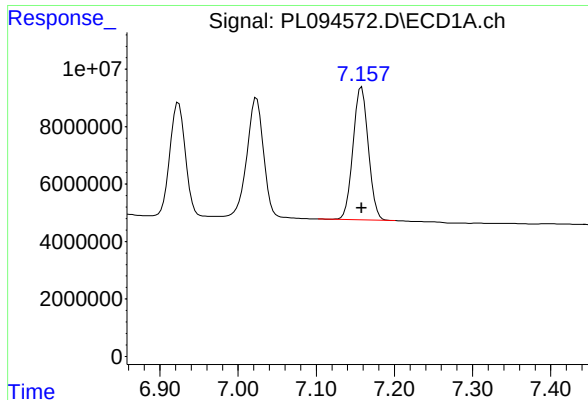
#18 Endrin aldehyde

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



#18 Endrin aldehyde

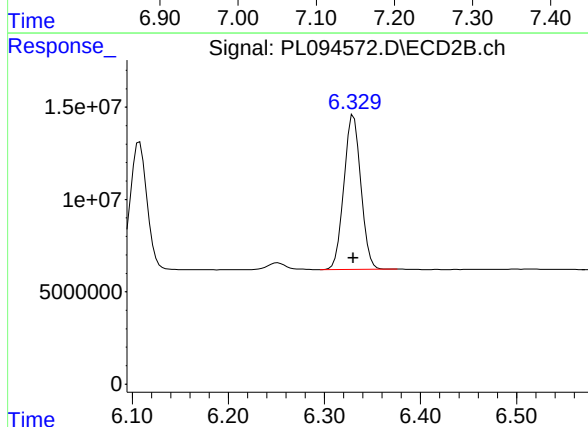
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 84742965
Conc: 25.67 ng/ml



#19 Endosulfan Sulfate

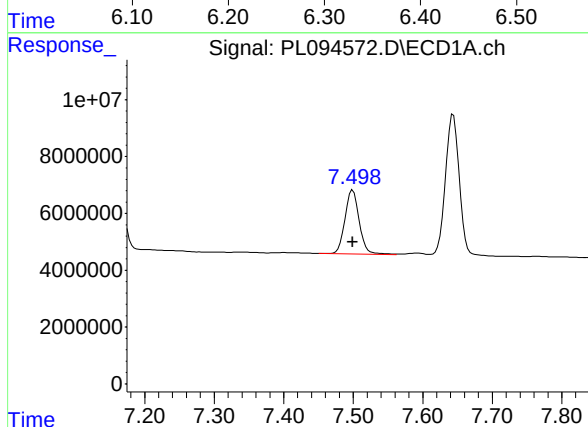
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 62993381
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



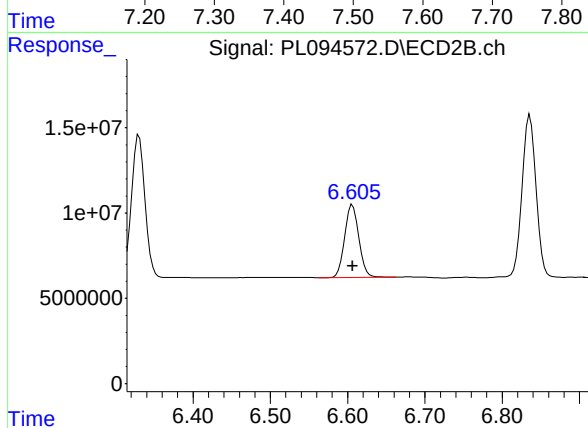
#19 Endosulfan Sulfate

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



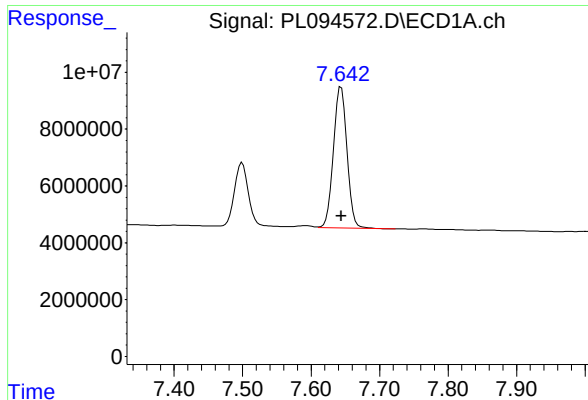
#20 Methoxychlor

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



#20 Methoxychlor

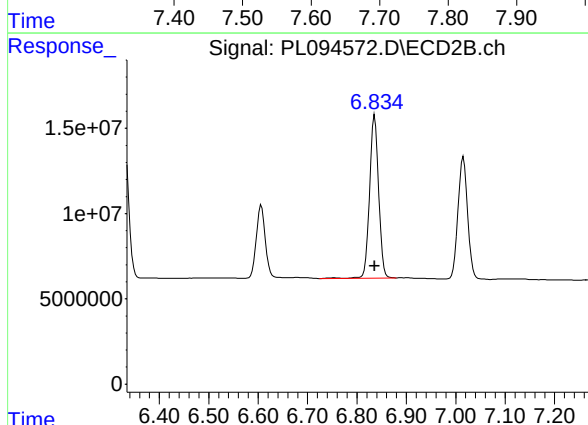
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 53888956
Conc: 25.57 ng/ml



#21 Endrin ketone

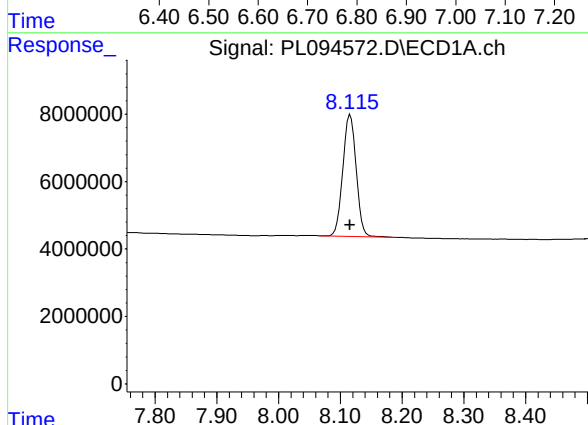
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 68364354
Conc: 26.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



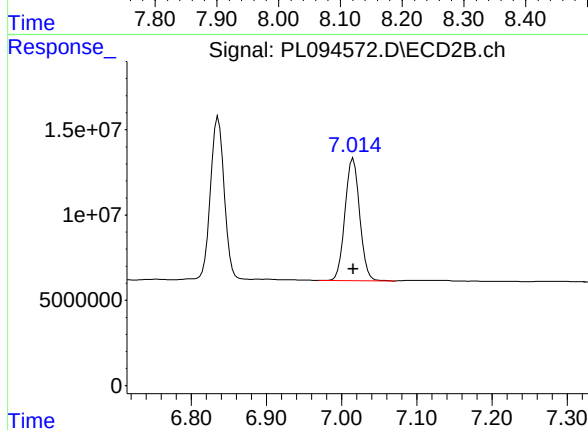
#21 Endrin ketone

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



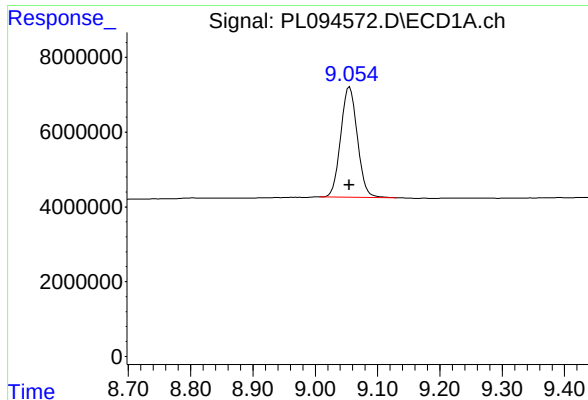
#22 Mirex

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



#22 Mirex

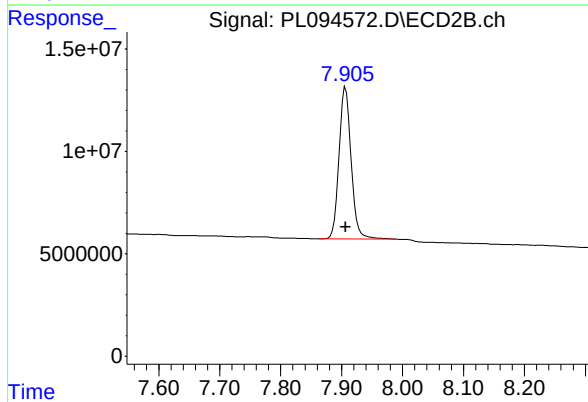
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 97357778
Conc: 26.22 ng/ml



#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

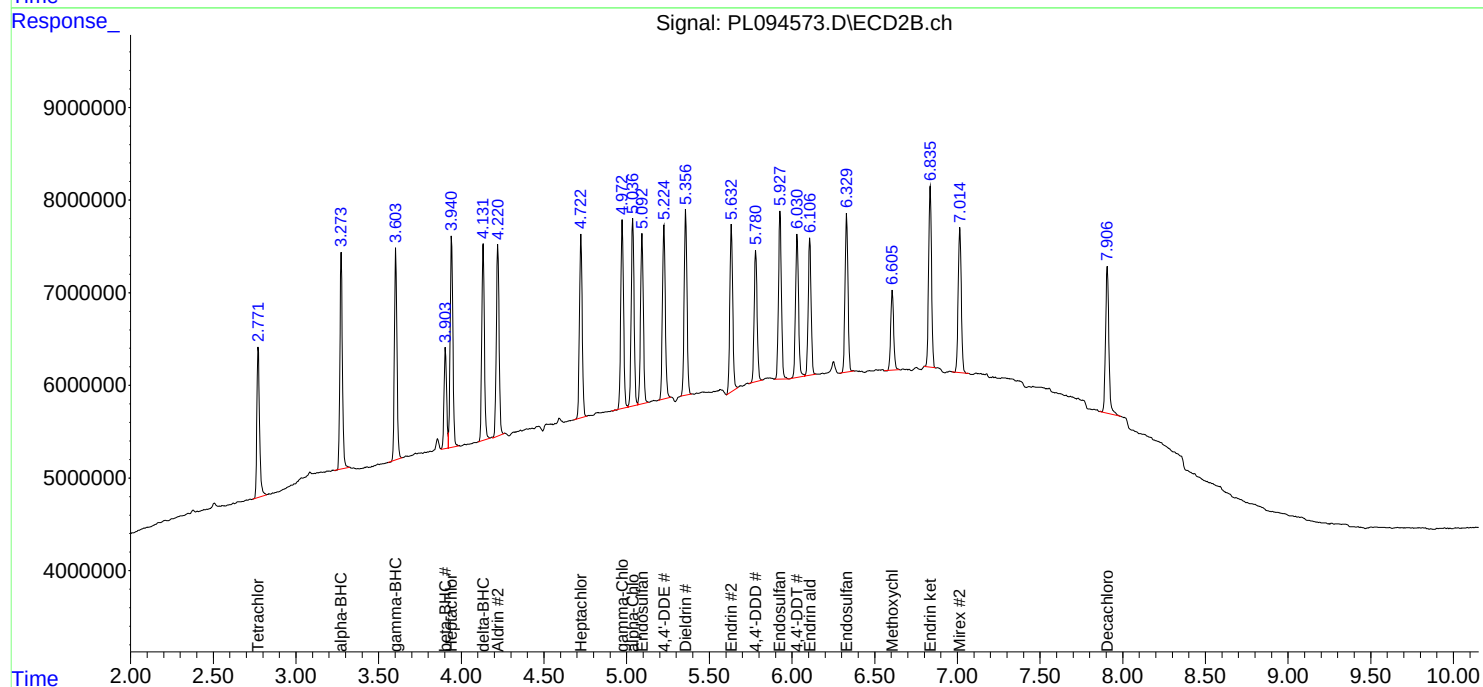
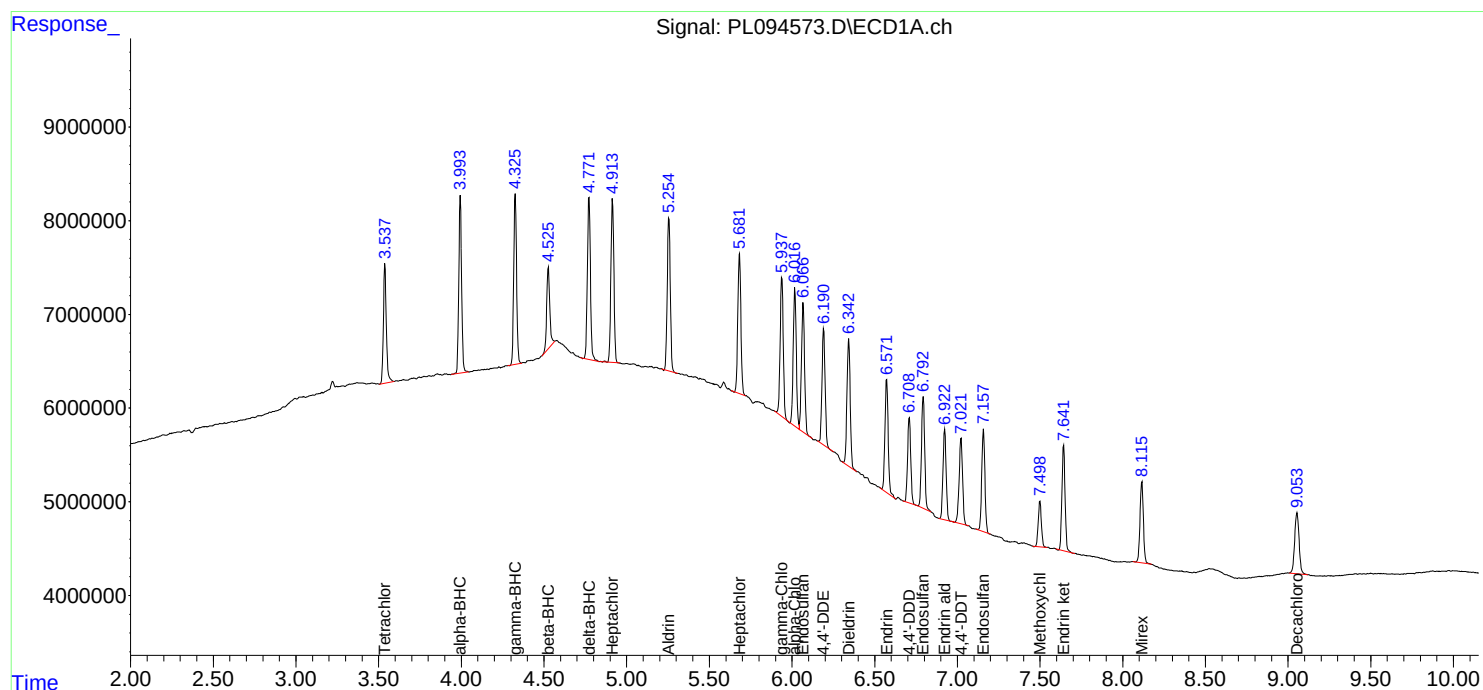
Manual Integrations

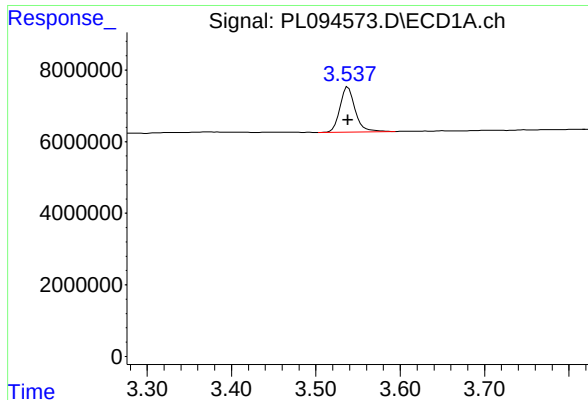
APPROVED

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





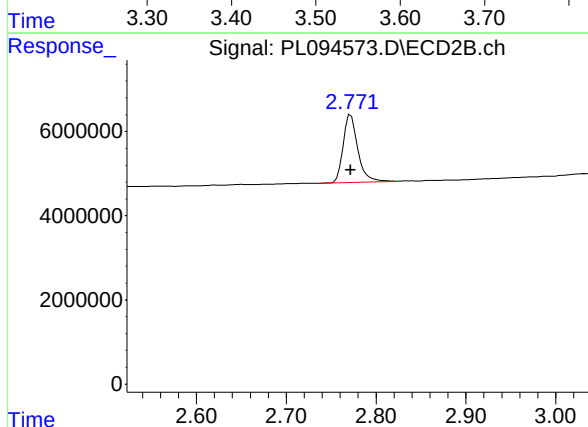
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

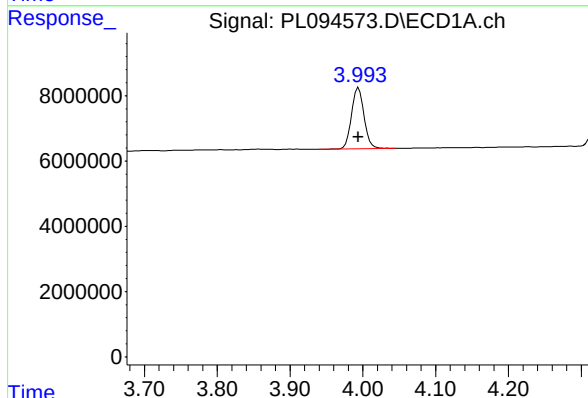
Manual Integrations
APPROVED

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



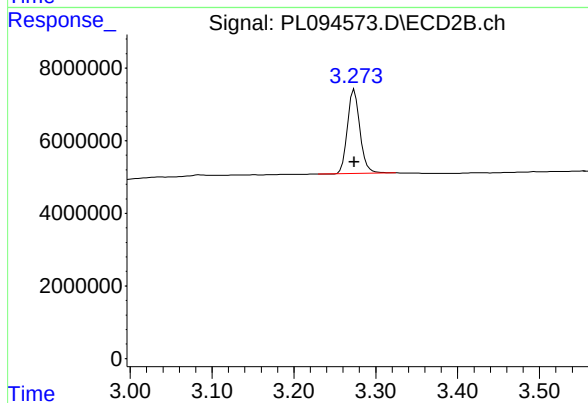
#1 Tetrachloro-m-xylene

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



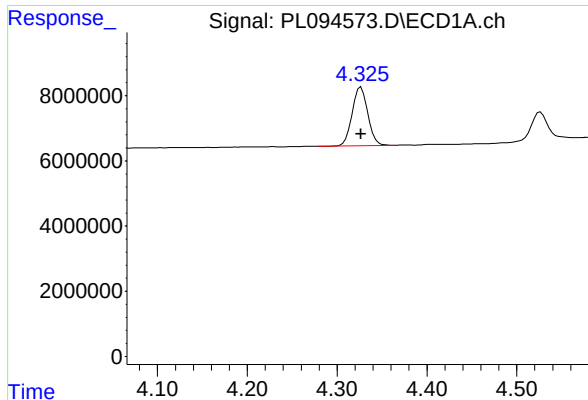
#2 alpha-BHC

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



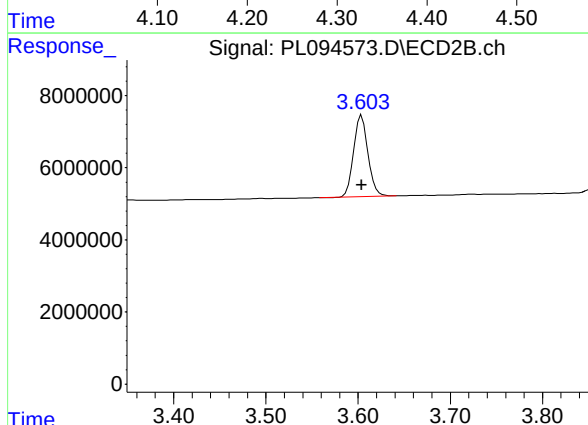
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

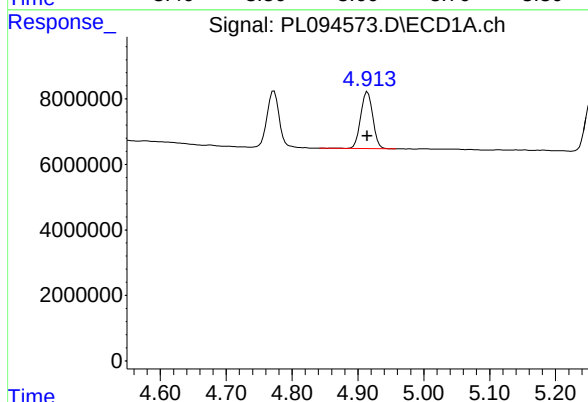
Manual Integrations
APPROVED

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



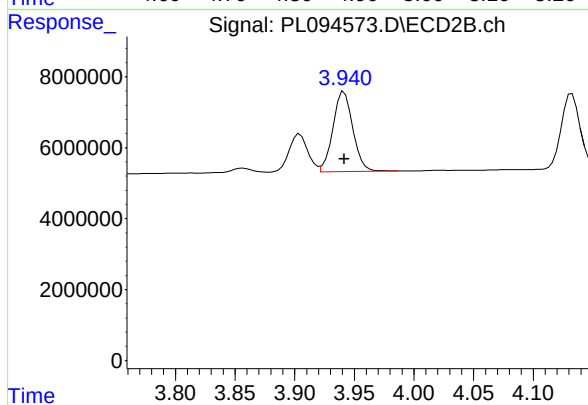
#3 gamma-BHC (Lindane)

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



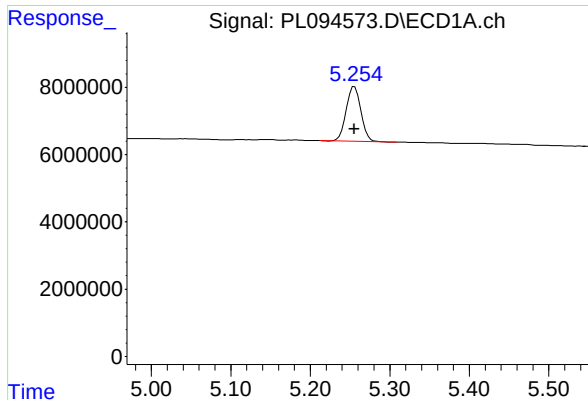
#4 Heptachlor

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



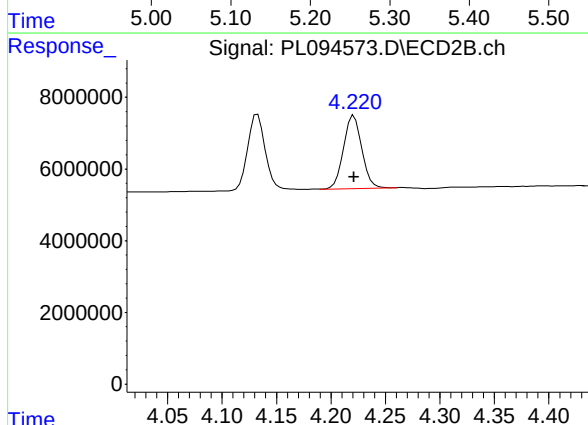
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

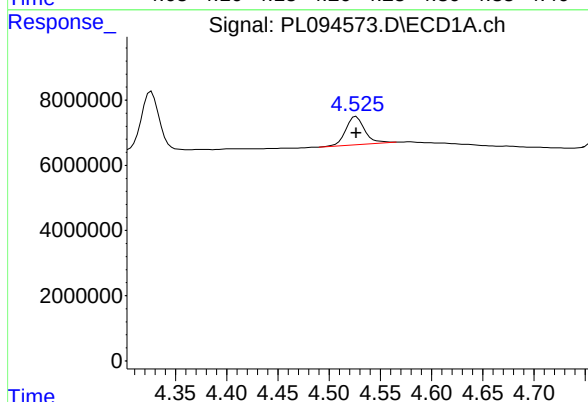
Manual Integrations
APPROVED

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



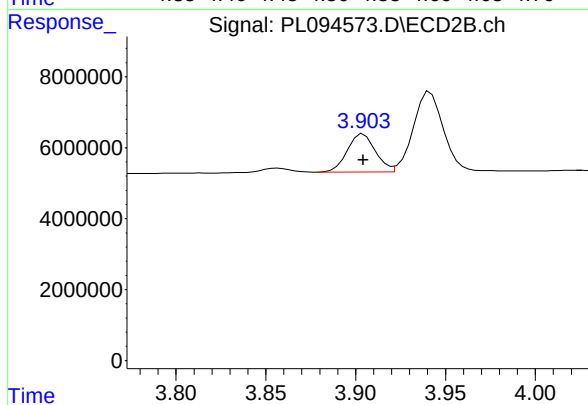
#5 Aldrin

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



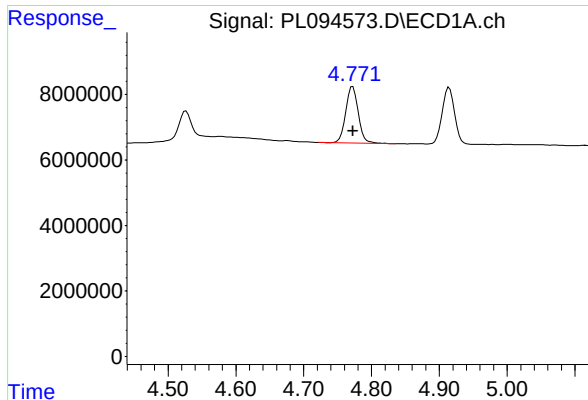
#6 beta-BHC

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



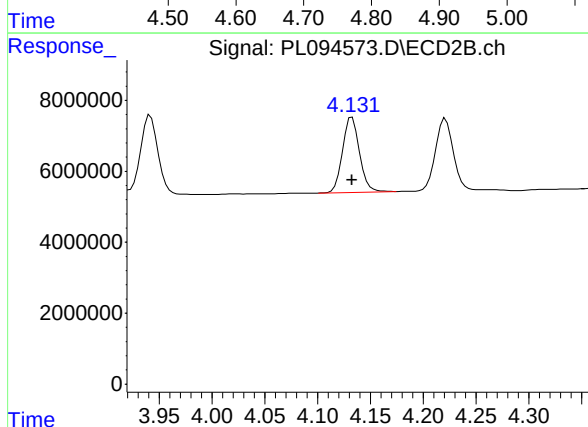
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

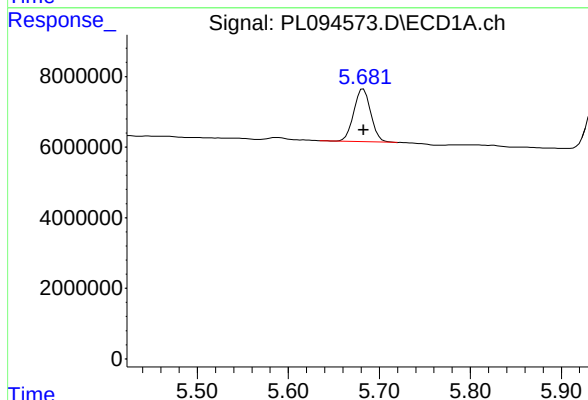
Manual Integrations
APPROVED

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



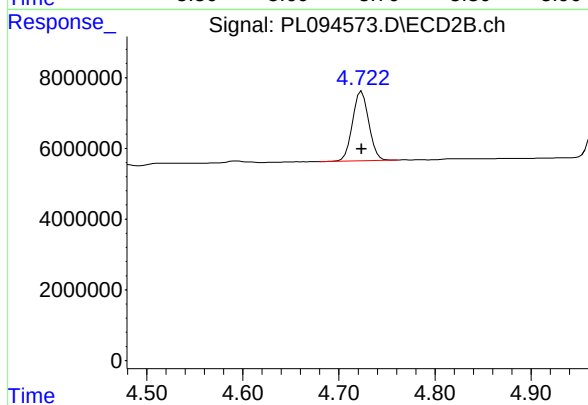
#7 delta-BHC

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



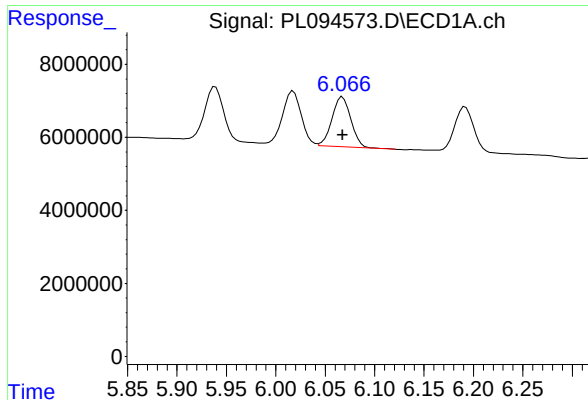
#8 Heptachlor epoxide

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



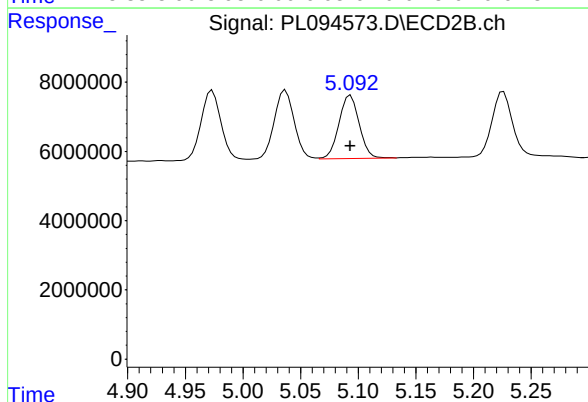
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

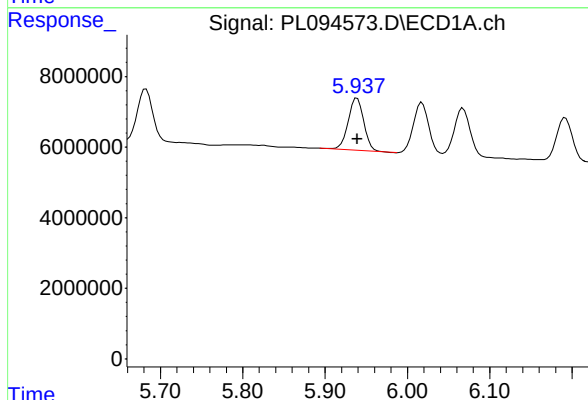
Manual Integrations
APPROVED

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



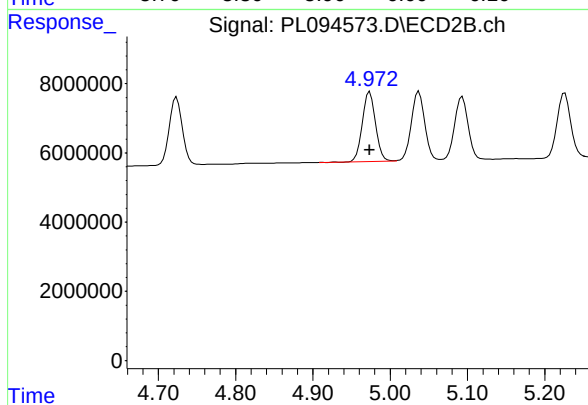
#9 Endosulfan I

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



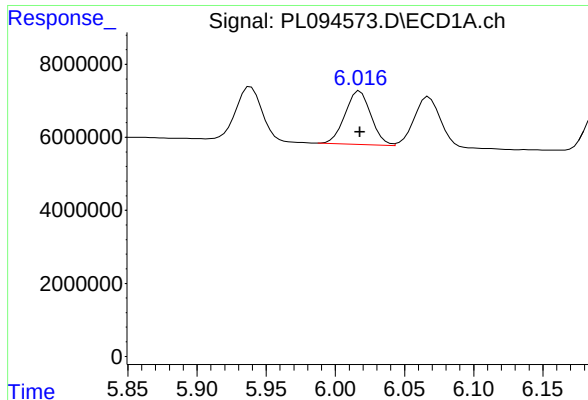
#10 gamma-Chlordane

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



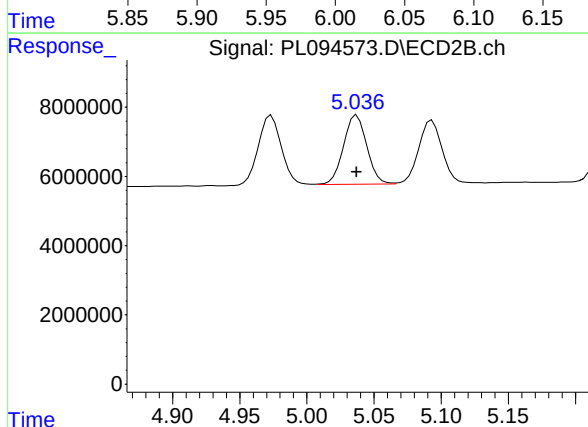
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

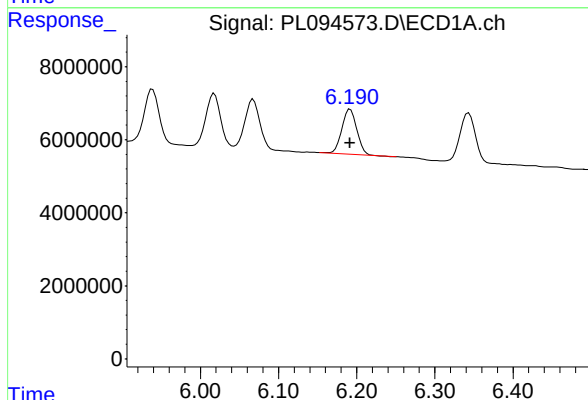
Manual Integrations
APPROVED

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



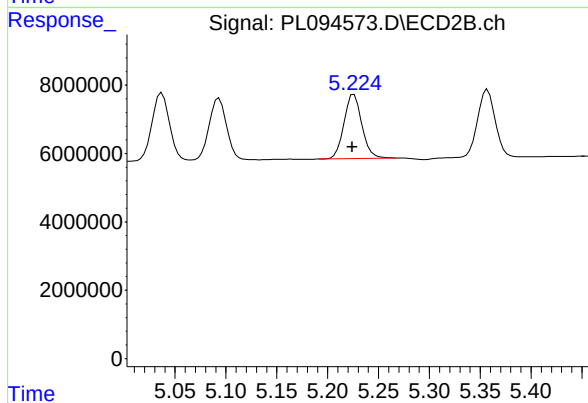
#11 alpha-Chlordane

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



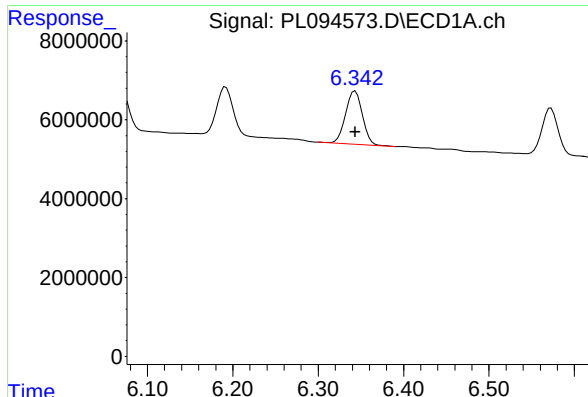
#12 4,4'-DDE

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



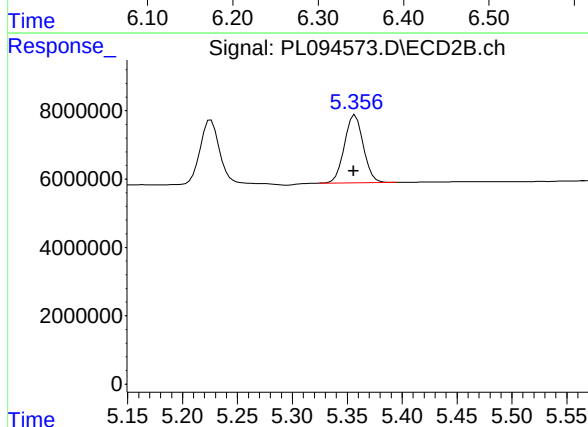
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

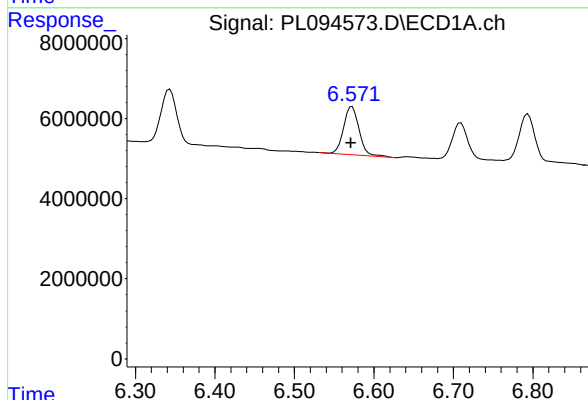
Manual Integrations
APPROVED

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



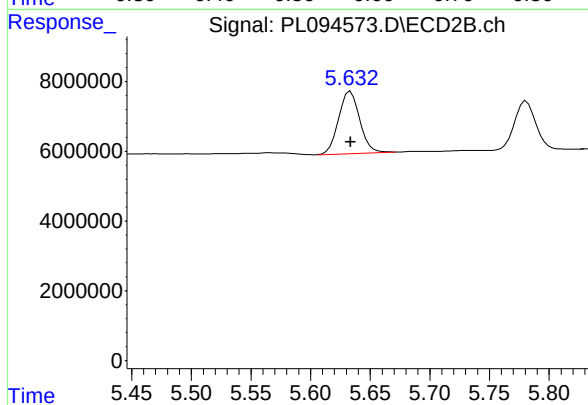
#13 Dieldrin

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



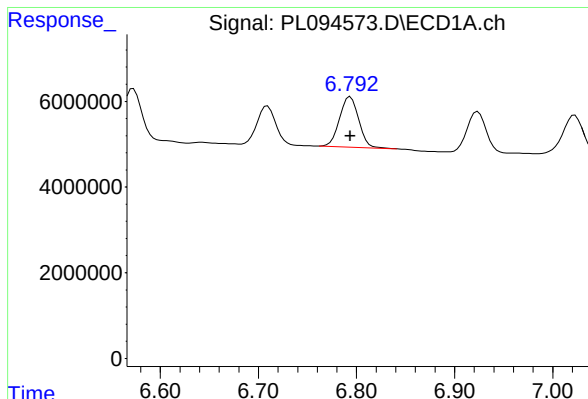
#14 Endrin

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



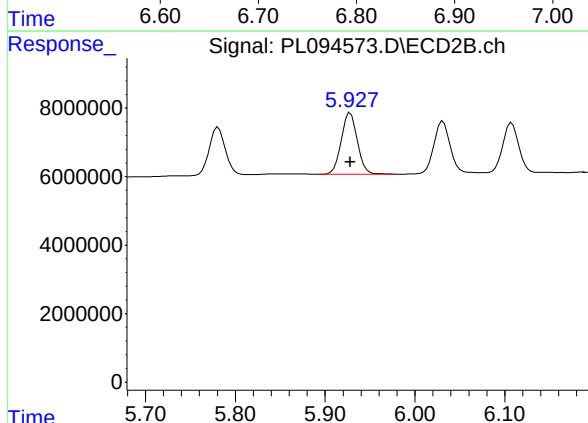
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

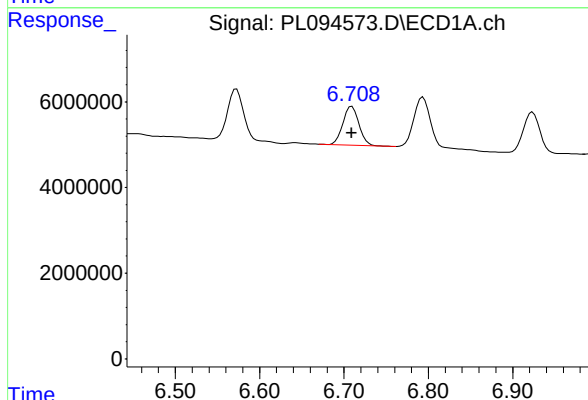
Manual Integrations
APPROVED

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



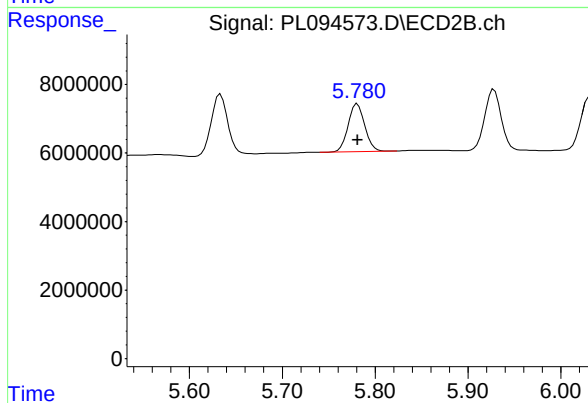
#15 Endosulfan II

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



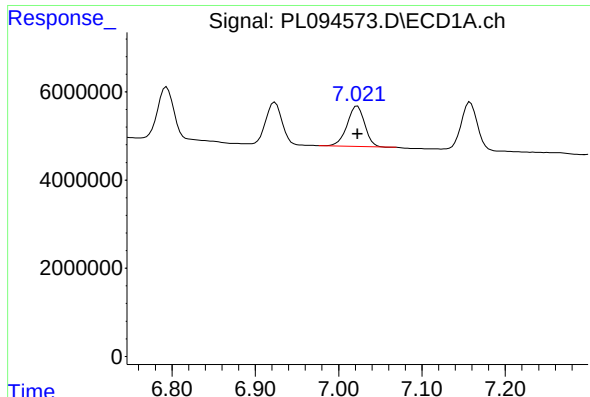
#16 4,4'-DDD

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



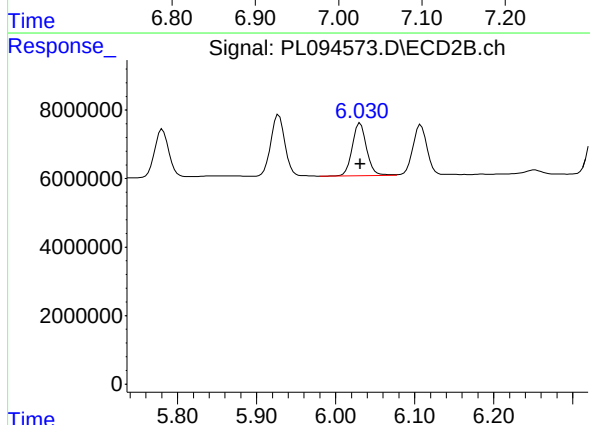
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

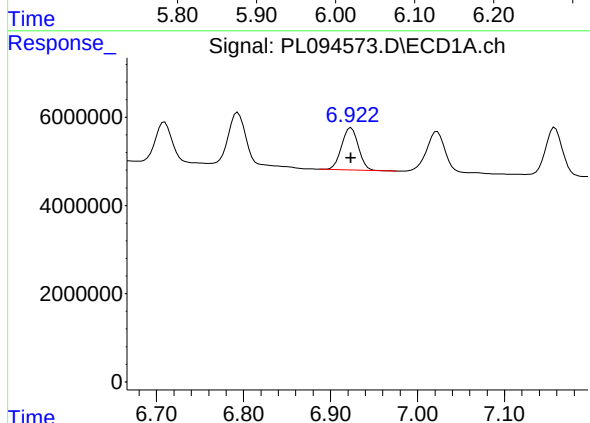
Manual Integrations
APPROVED

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



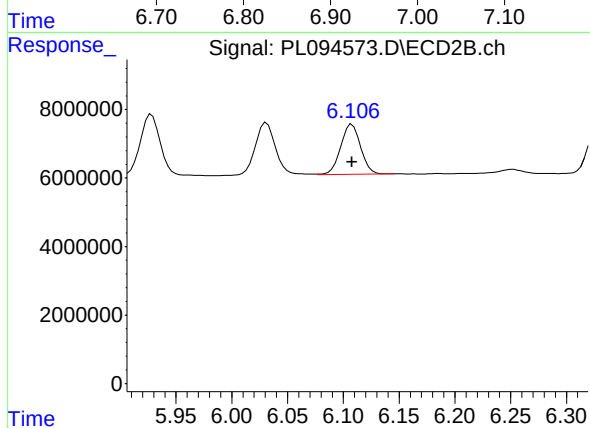
#17 4,4'-DDT

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



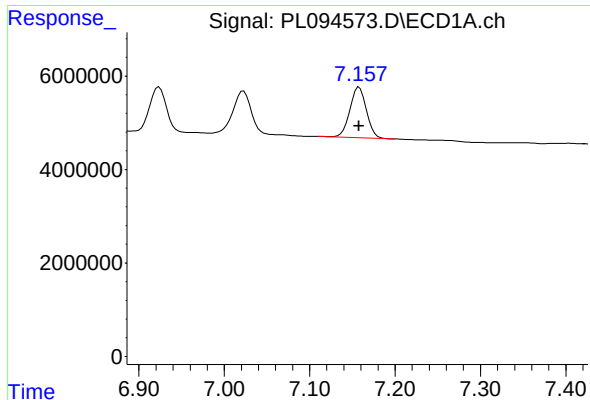
#18 Endrin aldehyde

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



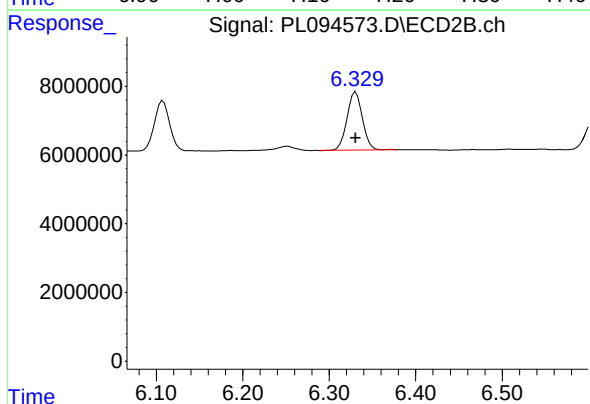
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

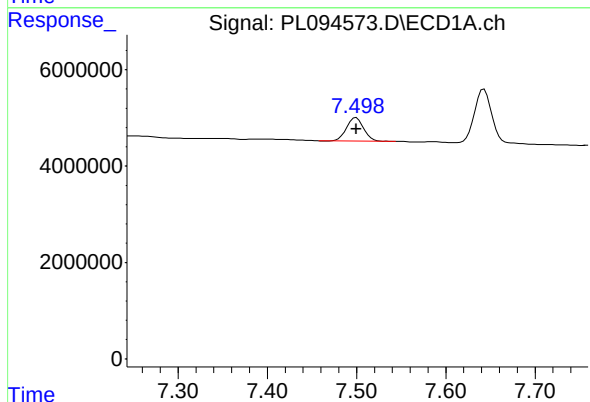
Manual Integrations
APPROVED

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



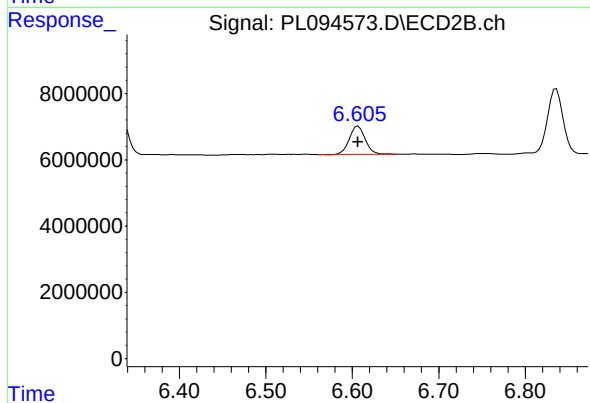
#19 Endosulfan Sulfate

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



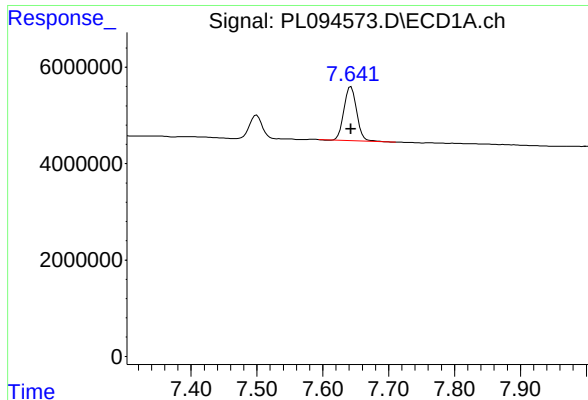
#20 Methoxychlor

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



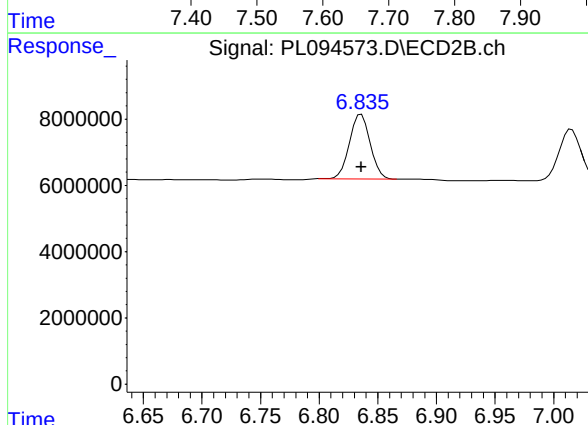
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

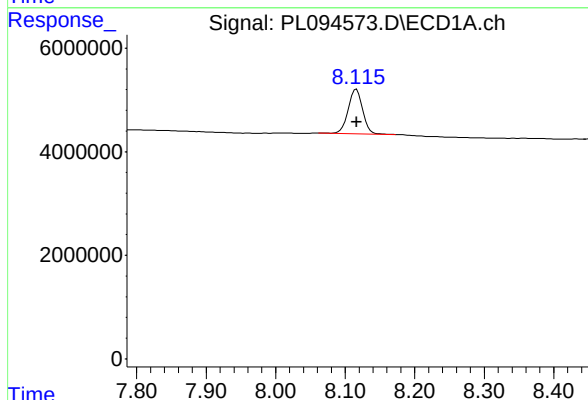
Manual Integrations
APPROVED

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



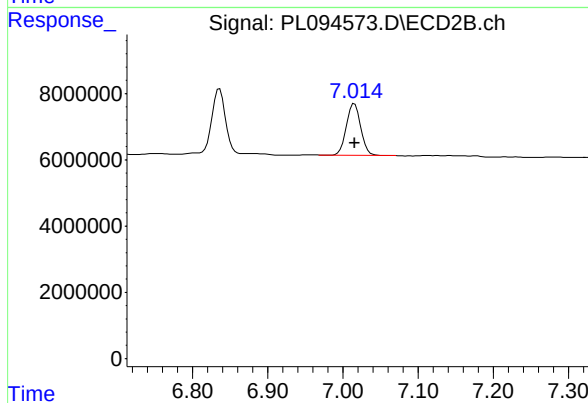
#21 Endrin ketone

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



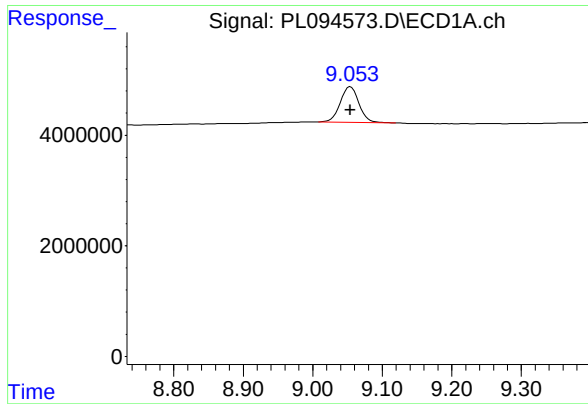
#22 Mirex

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

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

Instrument :

ECD_L

ClientSampleId :

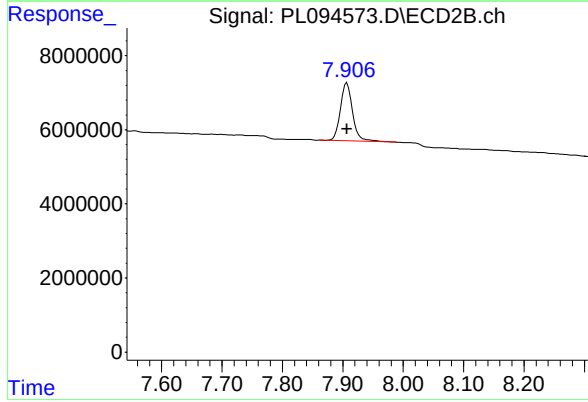
PSTDICC005

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

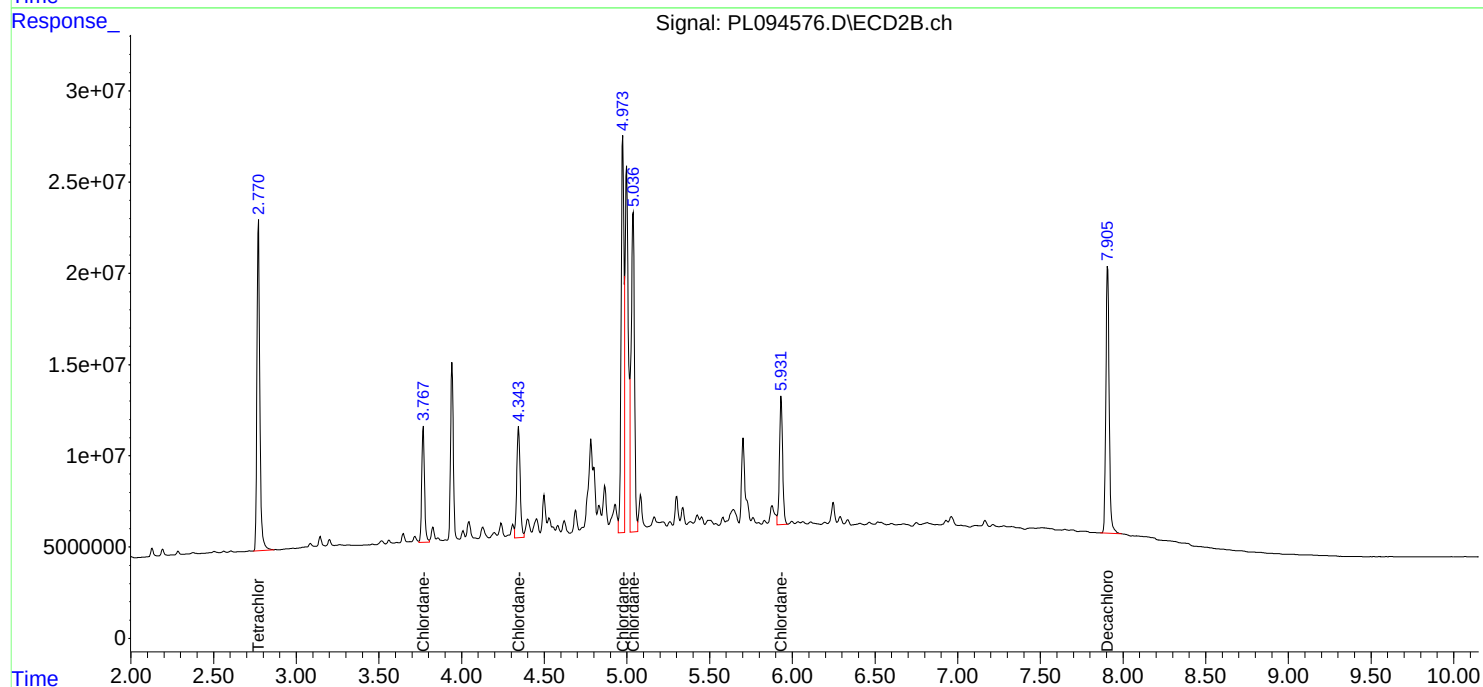
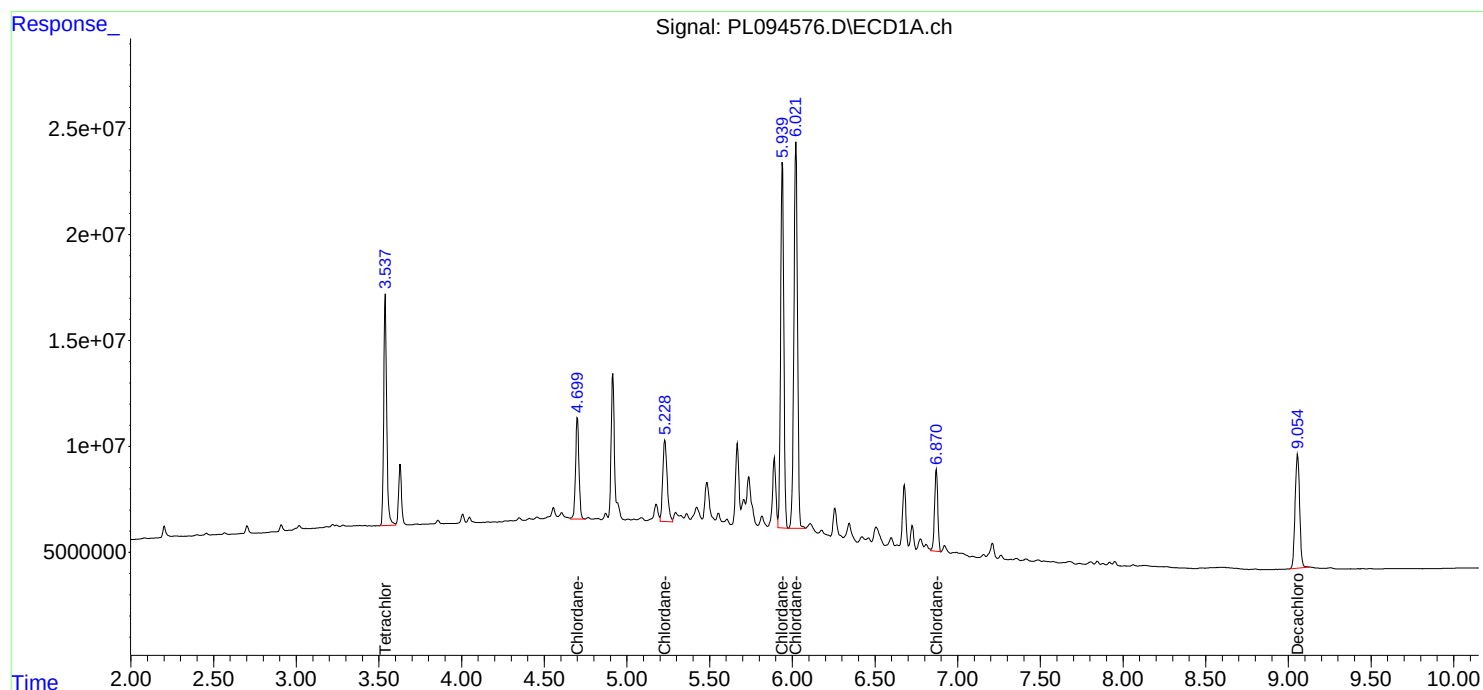
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

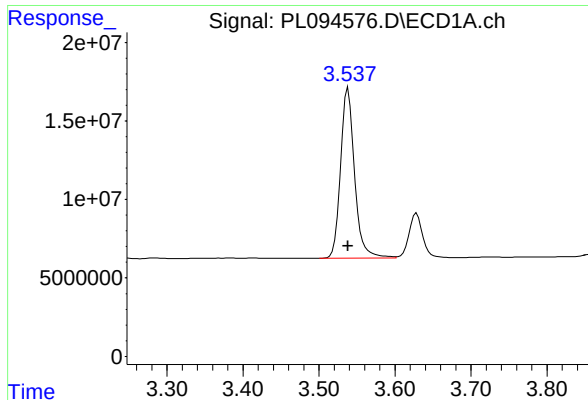
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

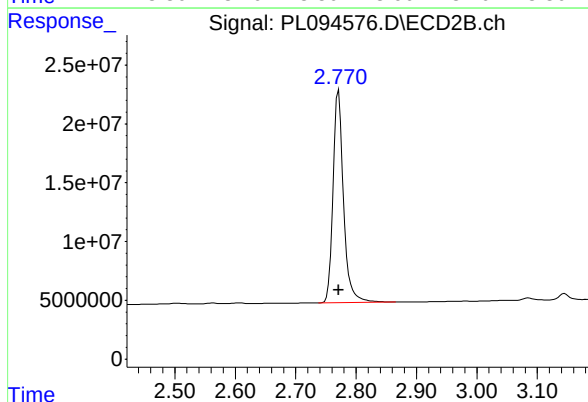




#1 Tetrachloro-m-xylene

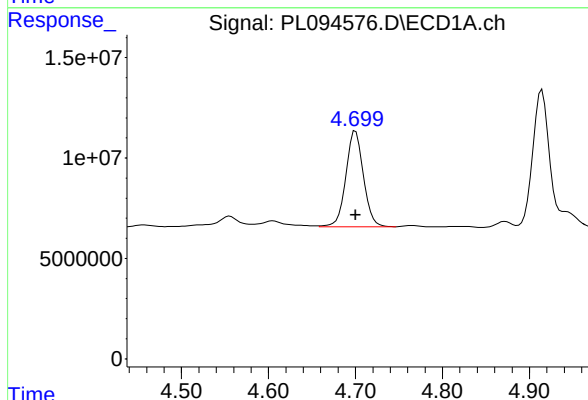
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137550046
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



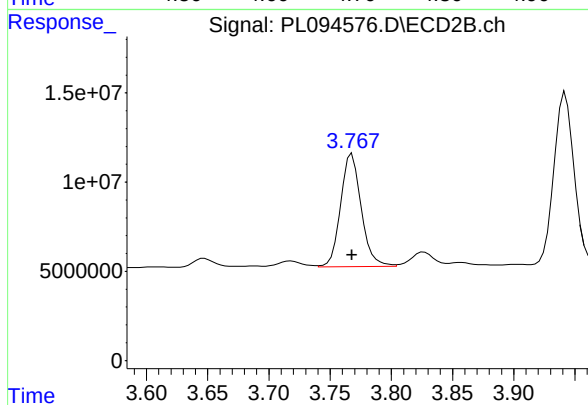
#1 Tetrachloro-m-xylene

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



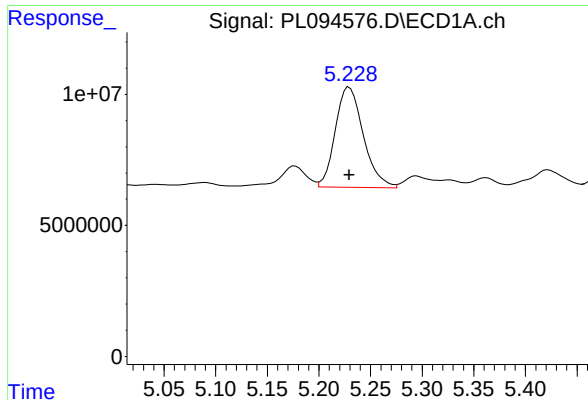
#23 Chlordane-1

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



#23 Chlordane-1

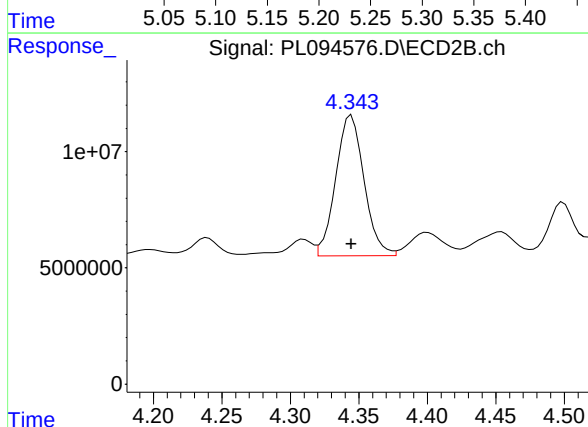
R.T.: 3.768 min
Delta R.T.: 0.000 min
Response: 74220750
Conc: 500.00 ng/ml



#24 Chlordane-2

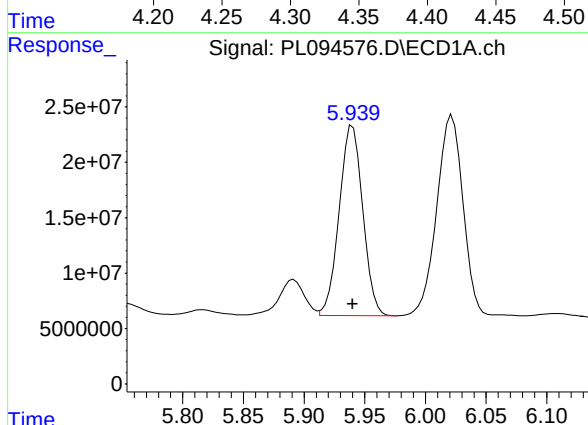
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 72325929
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



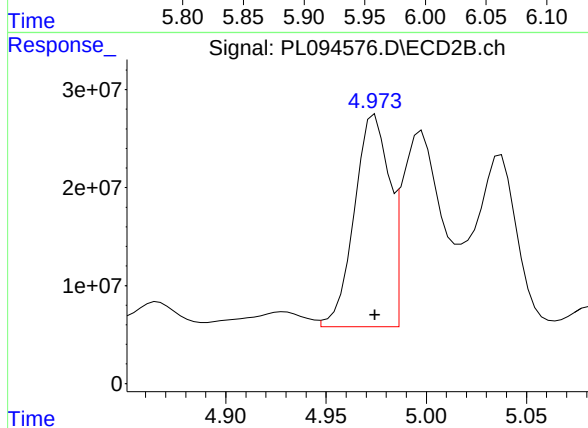
#24 Chlordane-2

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



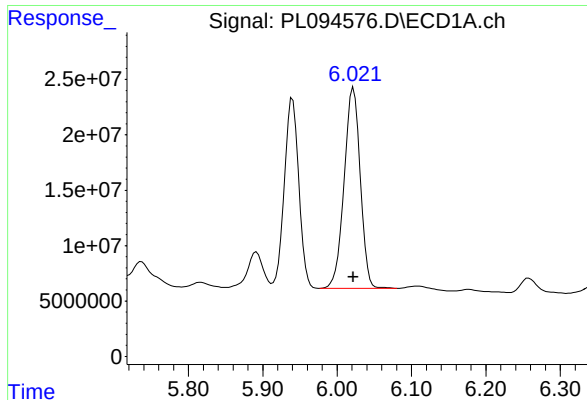
#25 Chlordane-3

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



#25 Chlordane-3

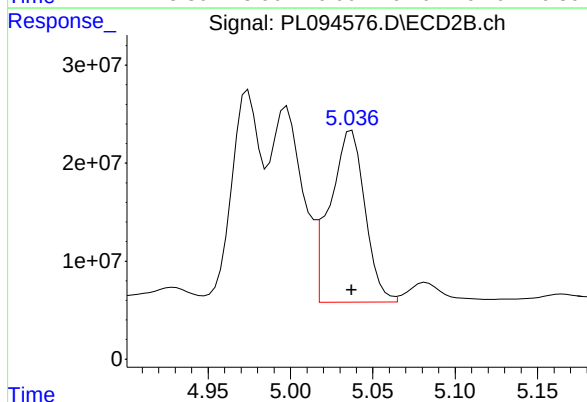
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 261258464
Conc: 500.00 ng/ml



#26 Chlordane-4

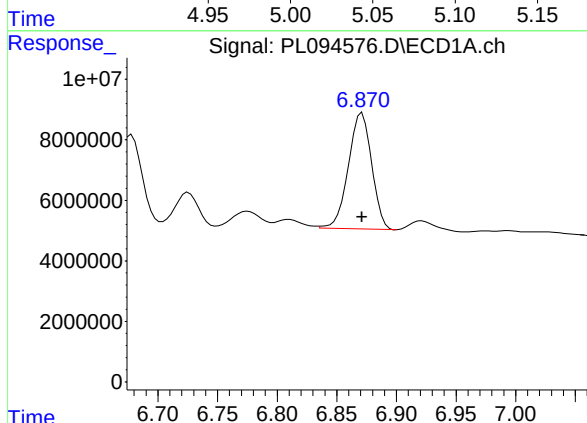
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 273855108
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



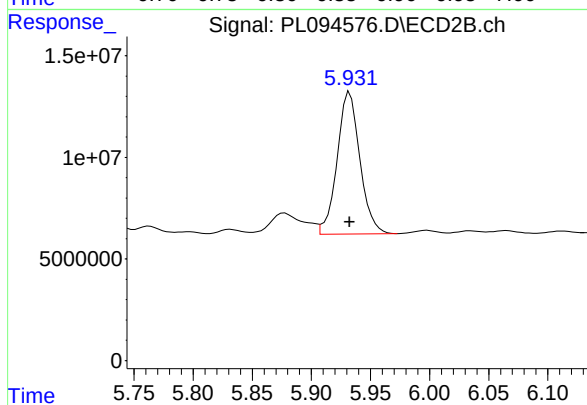
#26 Chlordane-4

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



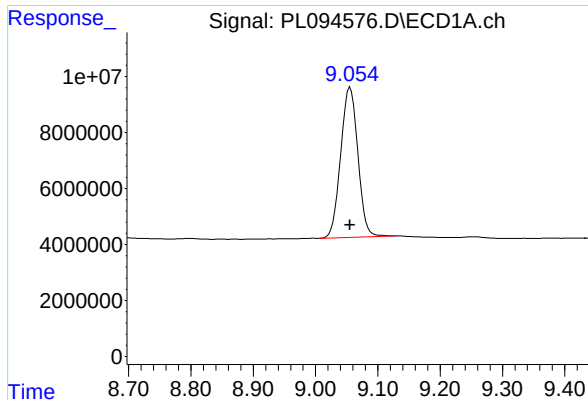
#27 Chlordane-5

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



#27 Chlordane-5

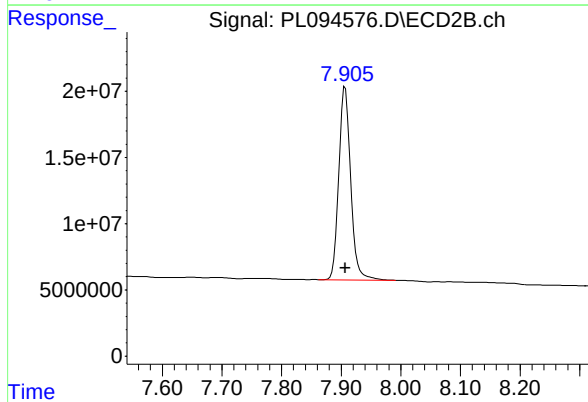
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 93588494
Conc: 500.00 ng/ml



#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

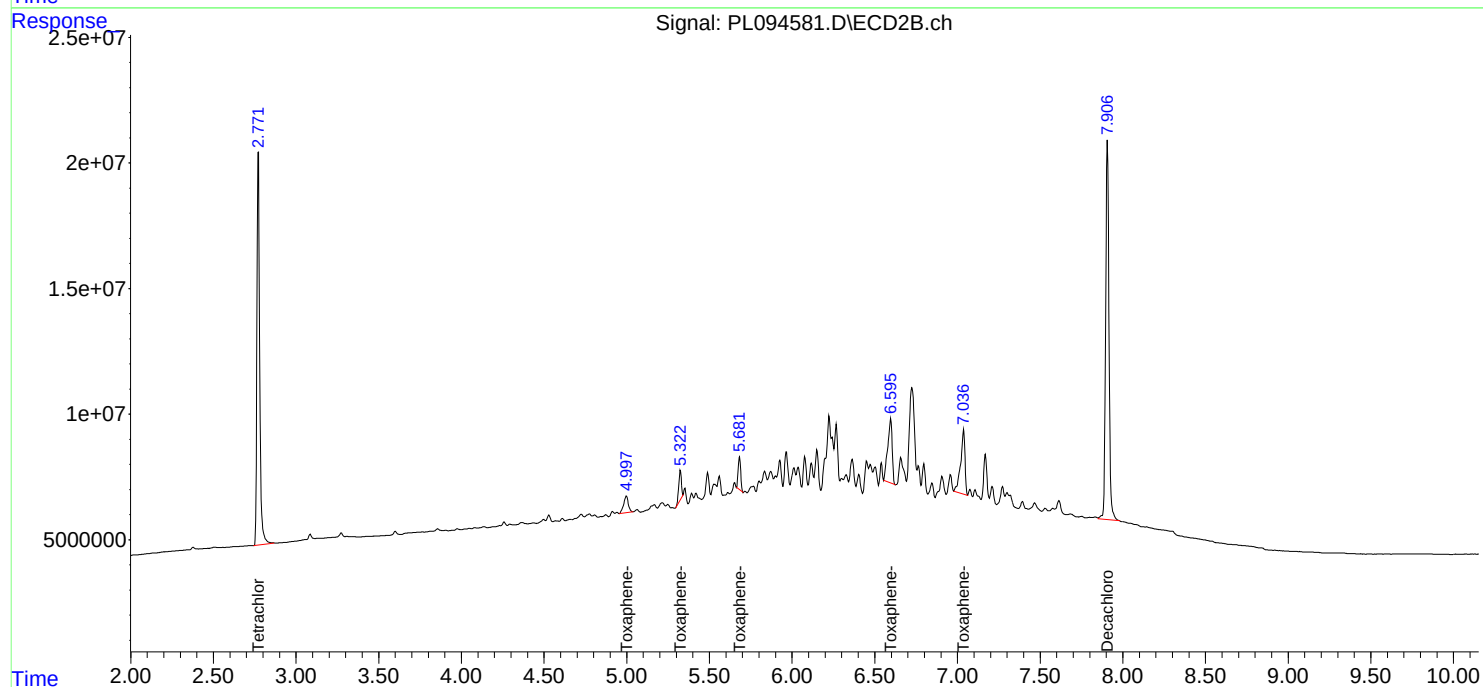
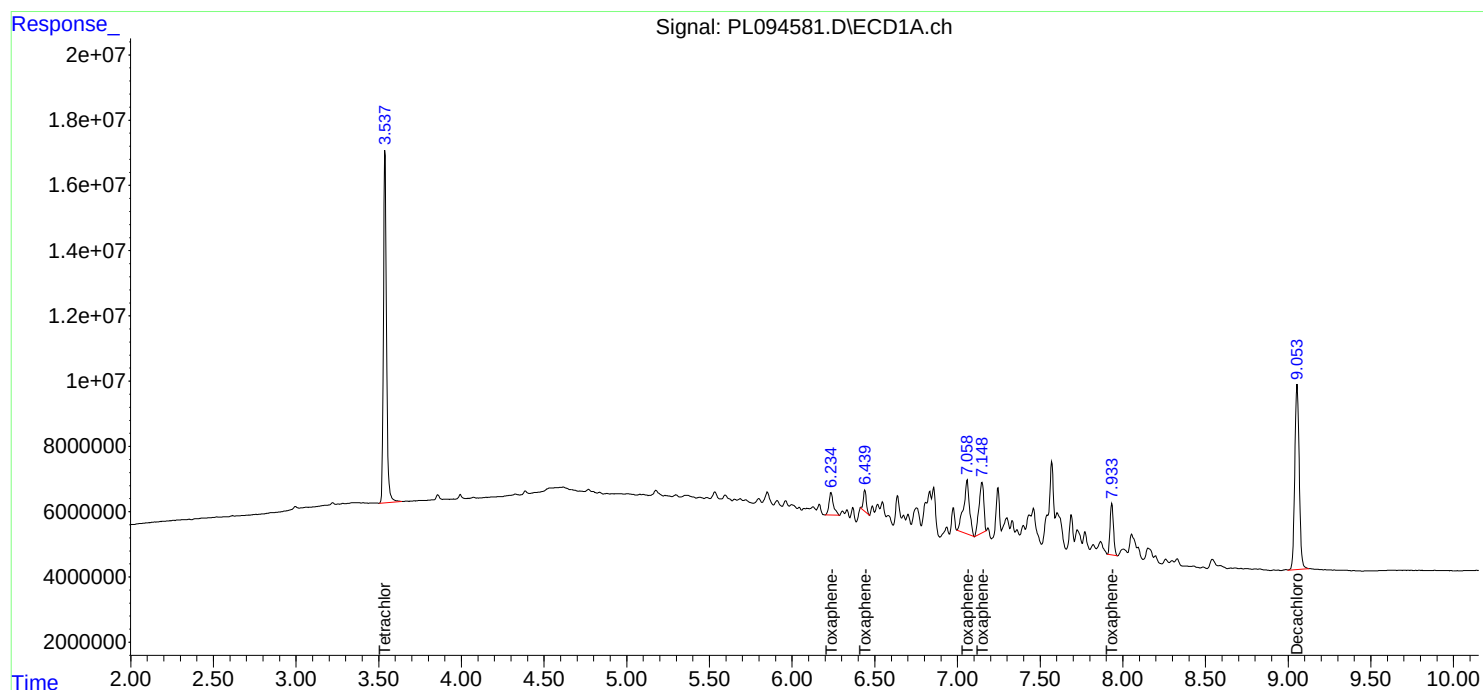
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

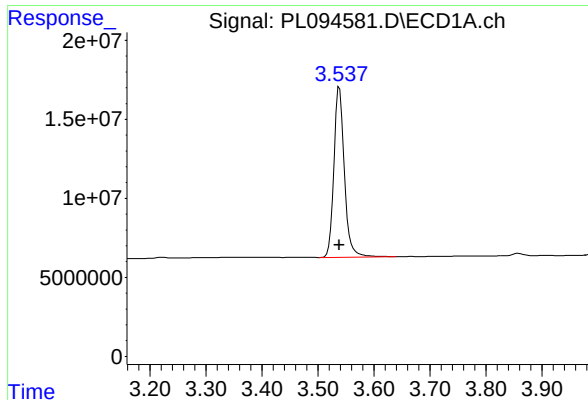
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

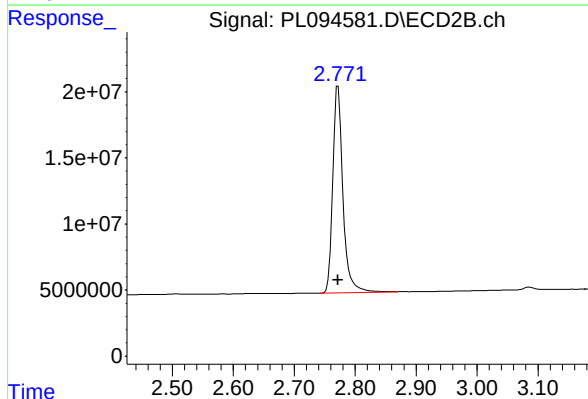




#1 Tetrachloro-m-xylene

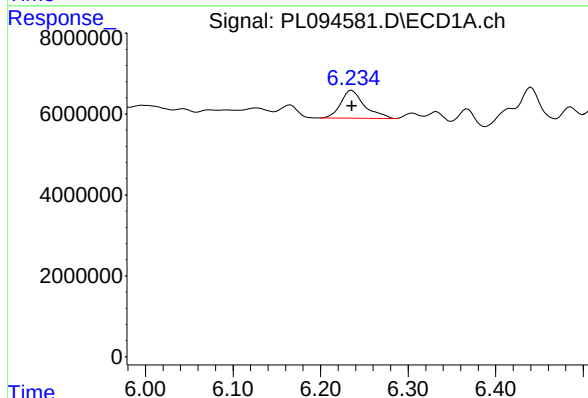
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 140277499
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



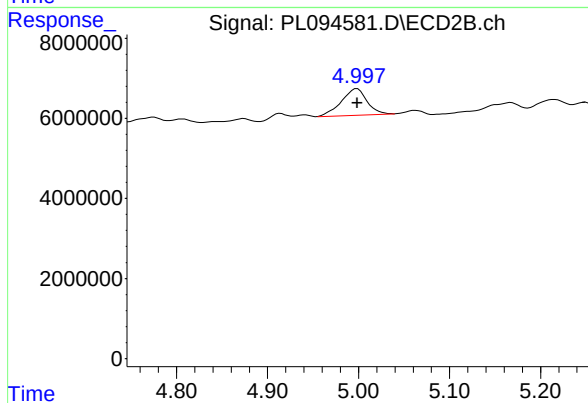
#1 Tetrachloro-m-xylene

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



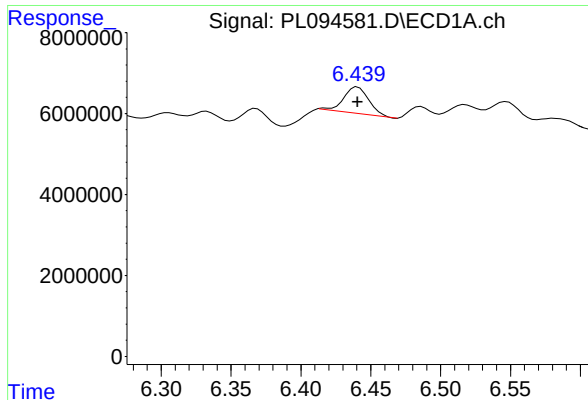
#2 Toxaphene-1

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



#2 Toxaphene-1

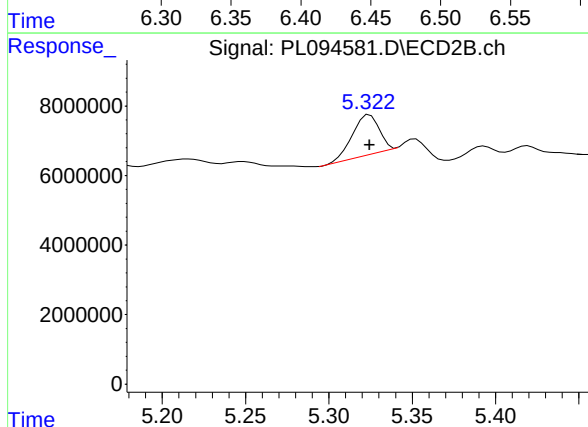
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 13010166
Conc: 500.00 ng/ml



#3 Toxaphene-2

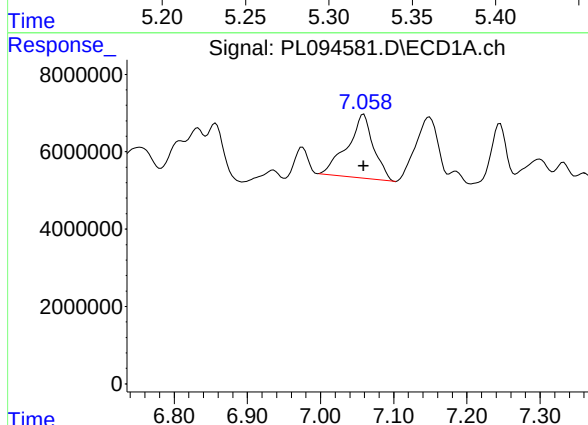
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 8198781
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



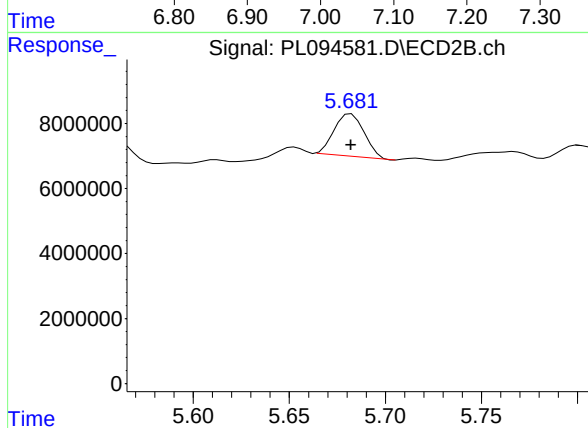
#3 Toxaphene-2

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



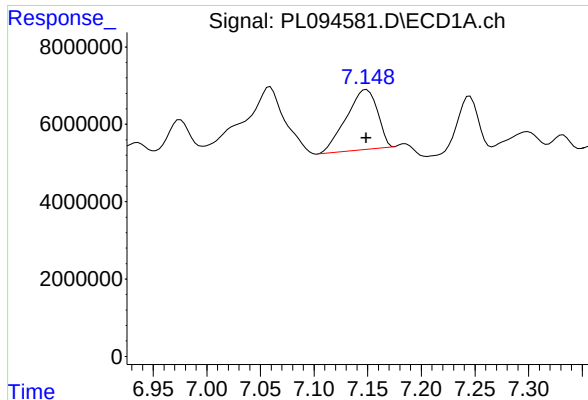
#4 Toxaphene-3

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



#4 Toxaphene-3

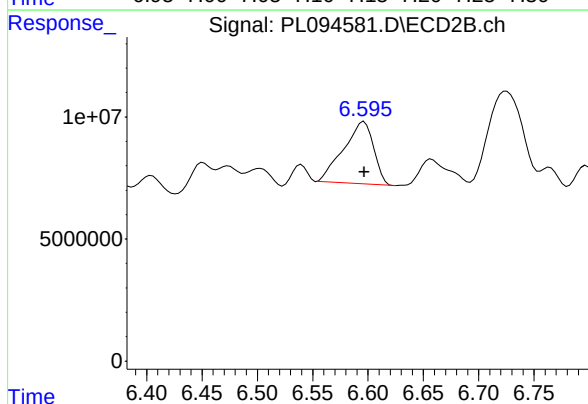
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 14118201
Conc: 500.00 ng/ml



#5 Toxaphene-4

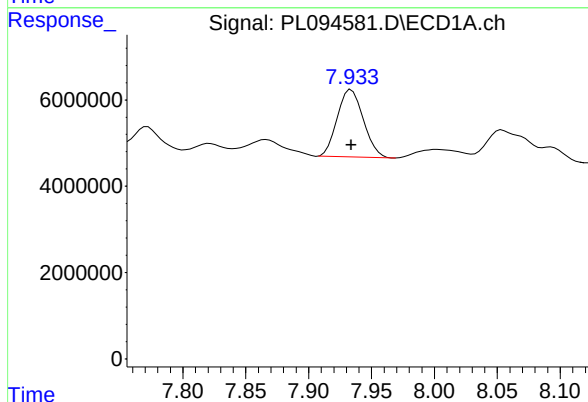
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 31471621
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



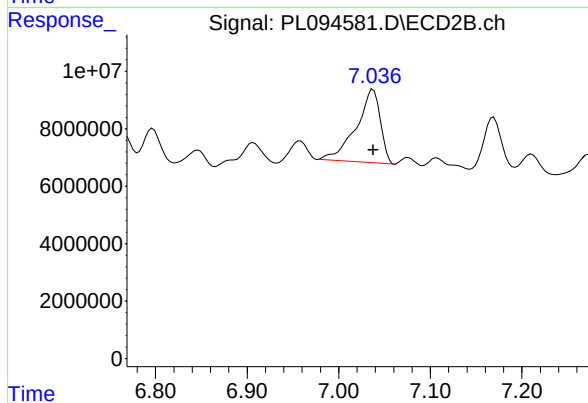
#5 Toxaphene-4

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



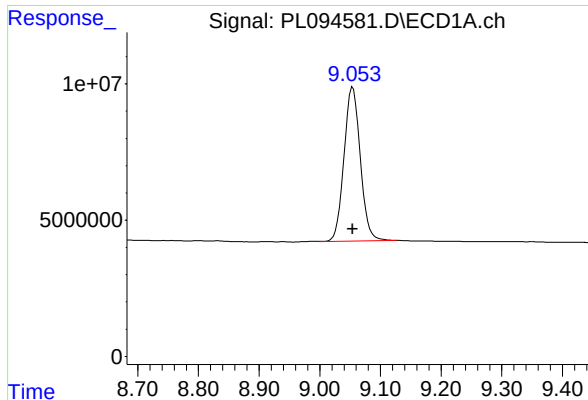
#6 Toxaphene-5

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



#6 Toxaphene-5

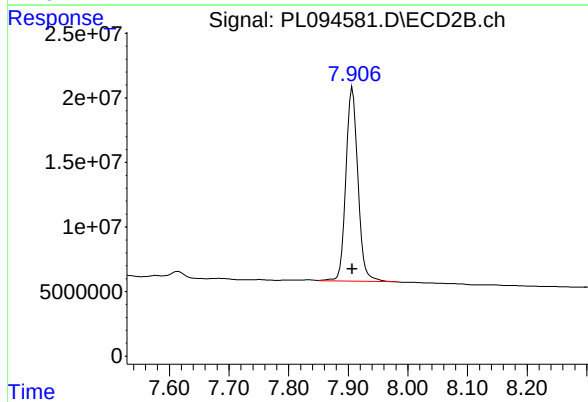
R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 46668809
Conc: 500.00 ng/ml



#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

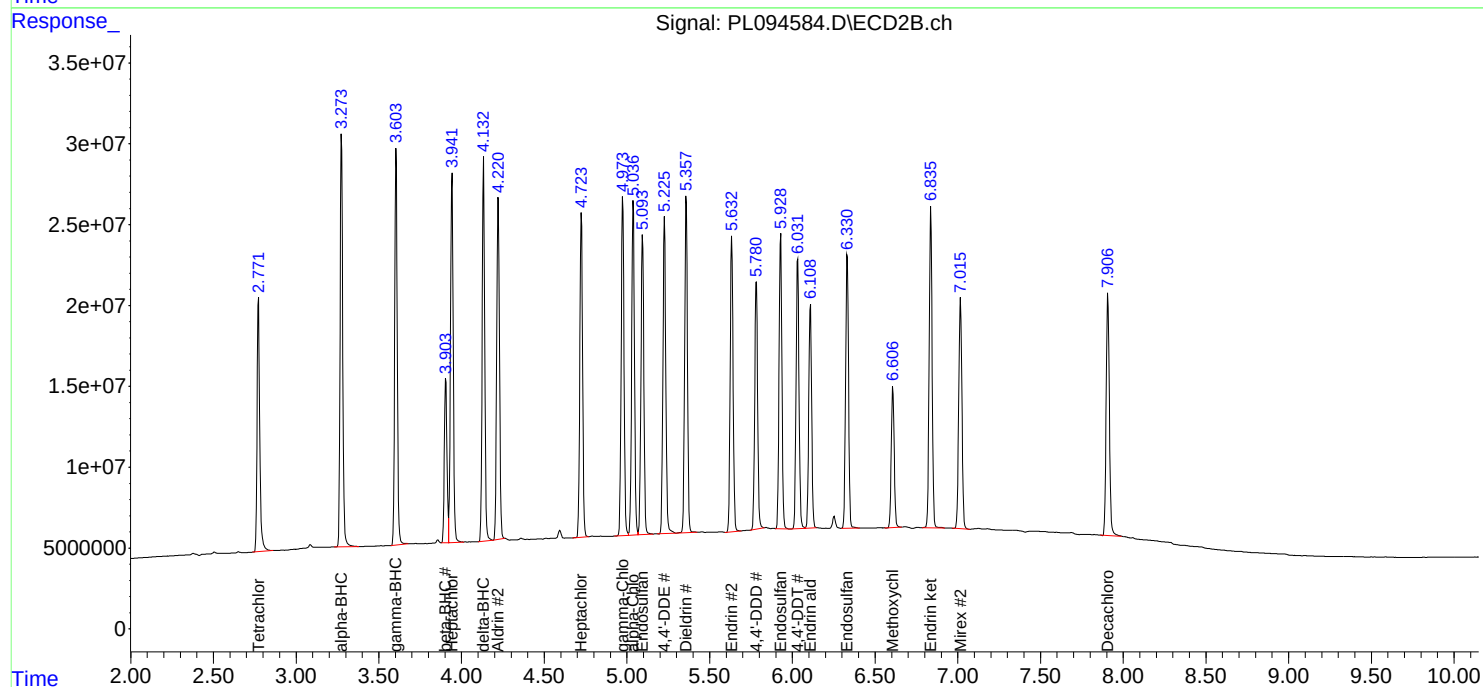
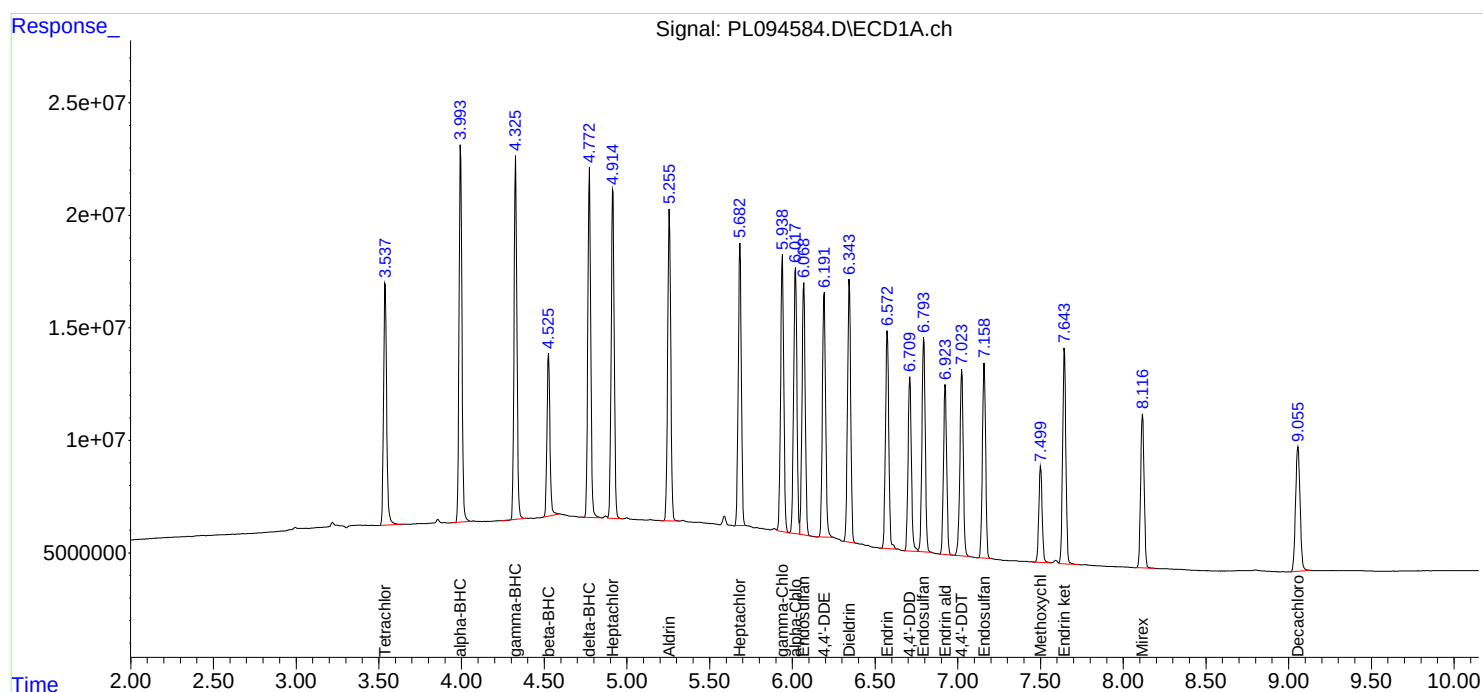
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

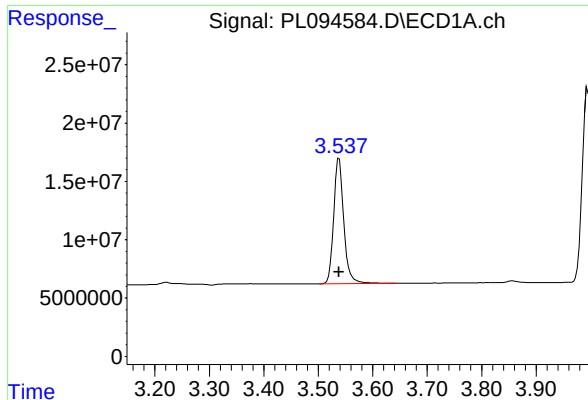
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

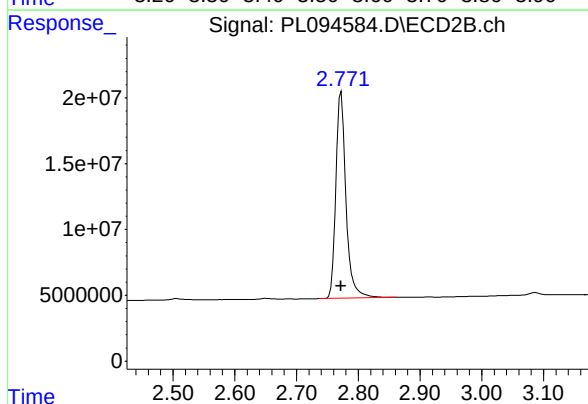




#1 Tetrachloro-m-xylene

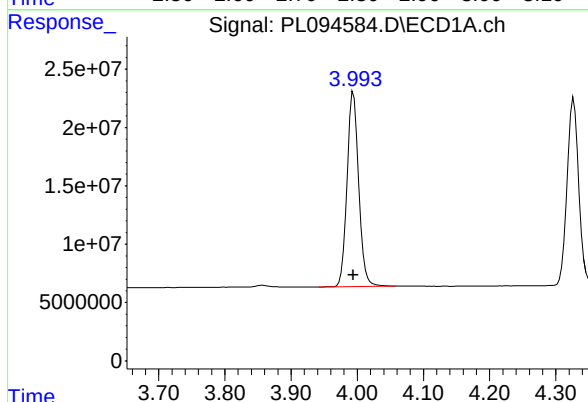
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 138556643
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



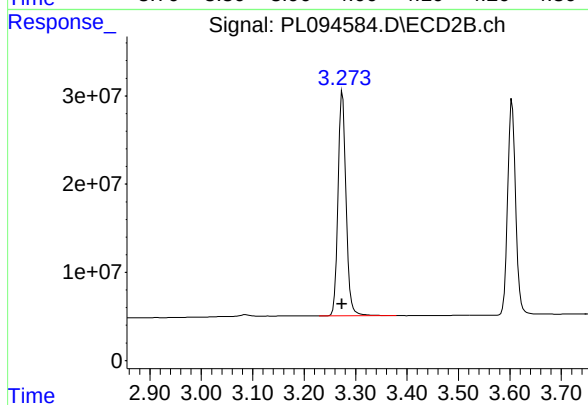
#1 Tetrachloro-m-xylene

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



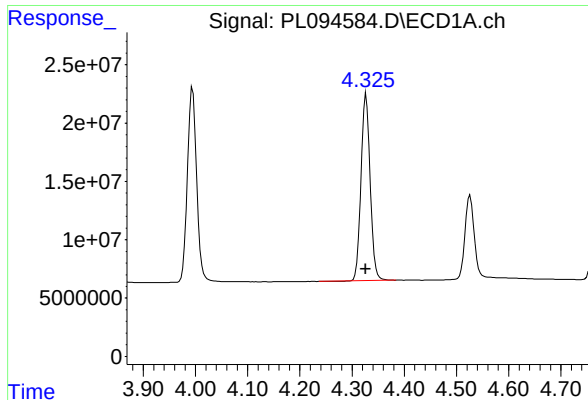
#2 alpha-BHC

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



#2 alpha-BHC

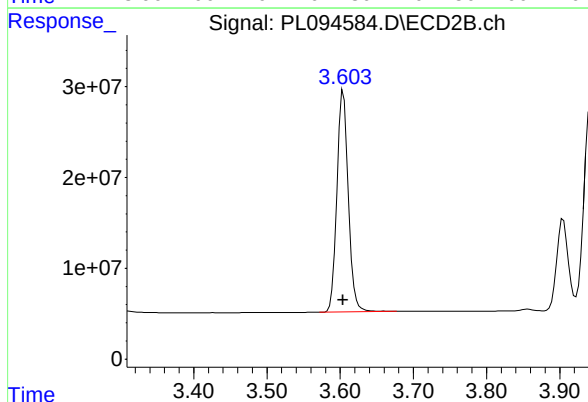
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 276756350
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

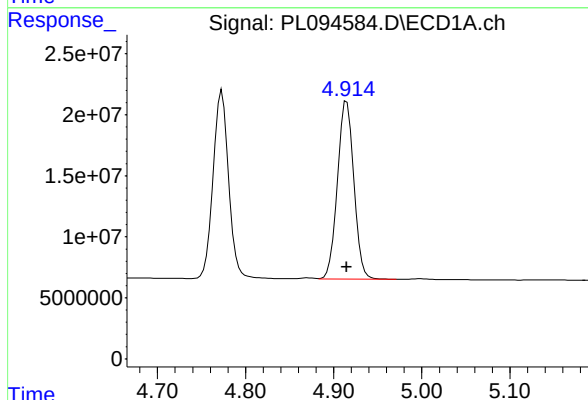
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 195230792
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



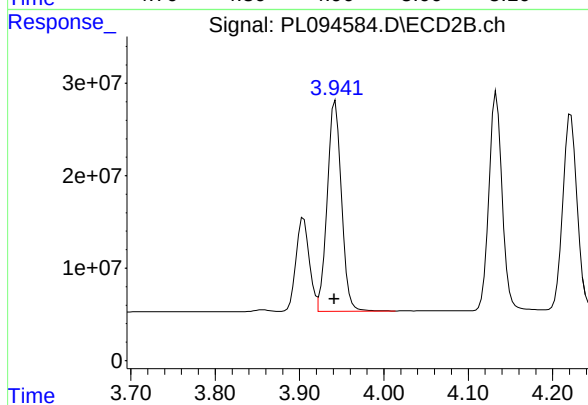
#3 gamma-BHC (Lindane)

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



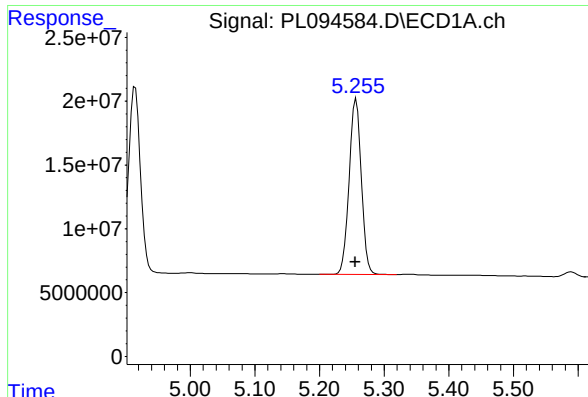
#4 Heptachlor

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



#4 Heptachlor

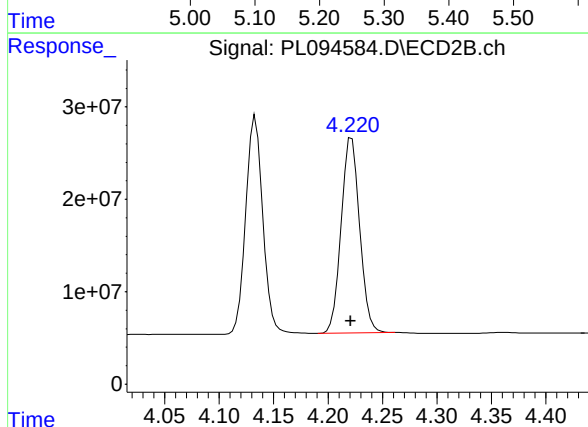
R.T.: 3.943 min
Delta R.T.: 0.000 min
Response: 267048442
Conc: 50.69 ng/ml



#5 Aldrin

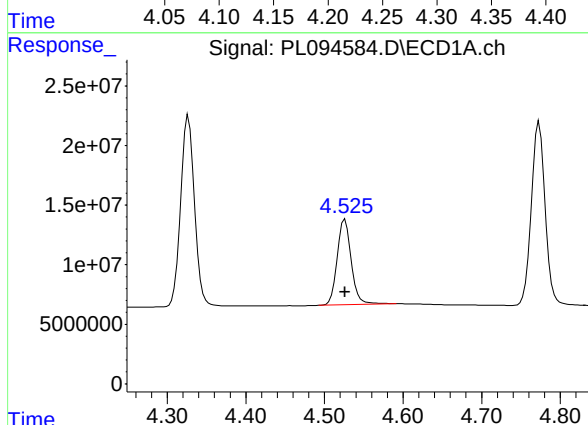
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 180179976
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



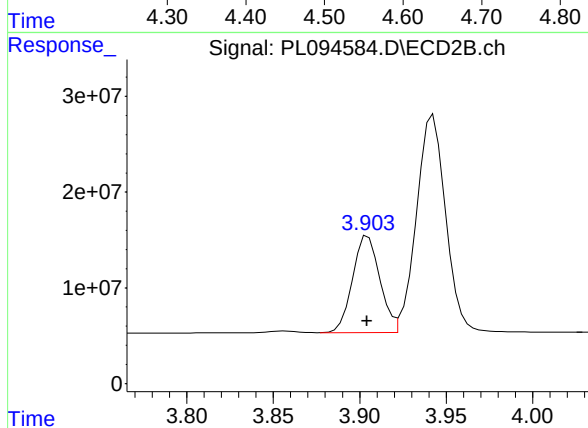
#5 Aldrin

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



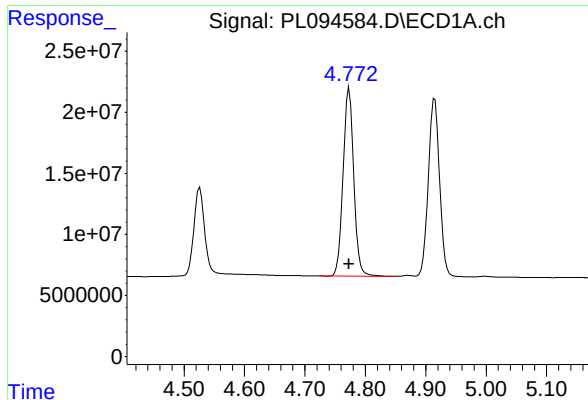
#6 beta-BHC

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



#6 beta-BHC

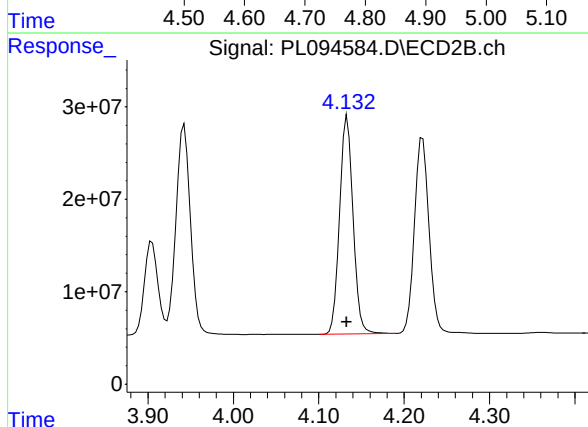
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 110828057
Conc: 49.89 ng/ml



#7 delta-BHC

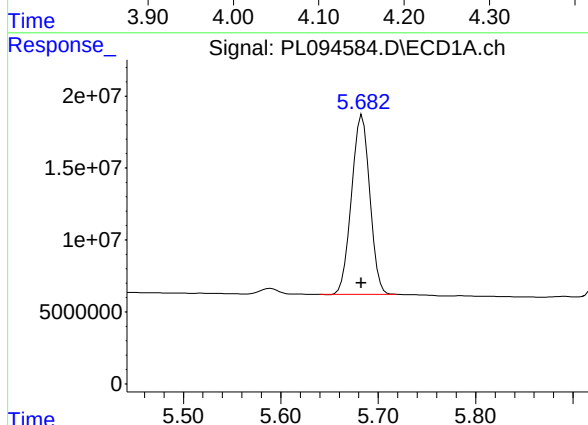
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 189296014
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



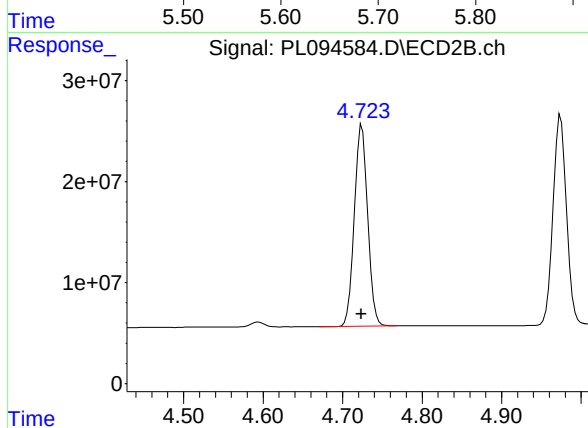
#7 delta-BHC

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



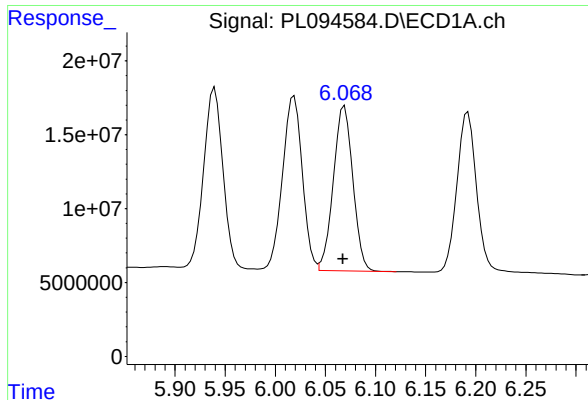
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

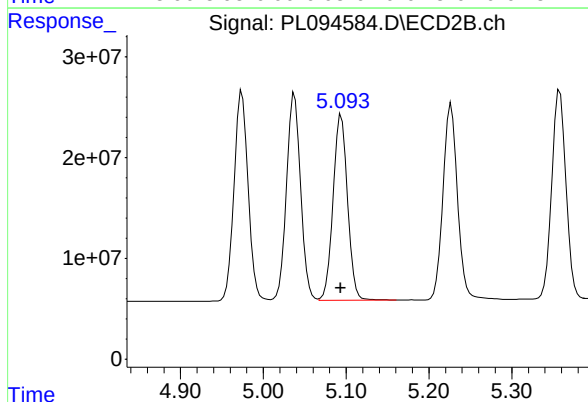
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 232821579
Conc: 50.85 ng/ml



#9 Endosulfan I

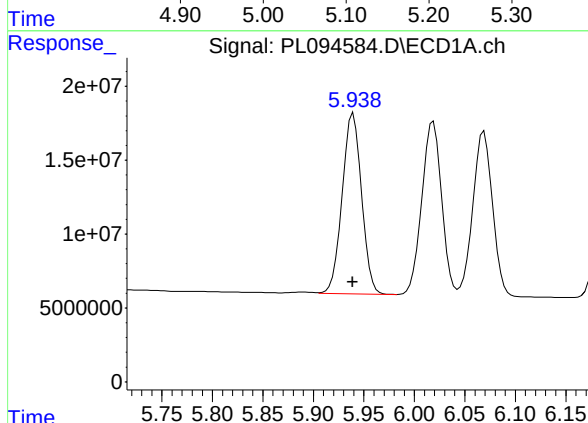
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 150376500
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



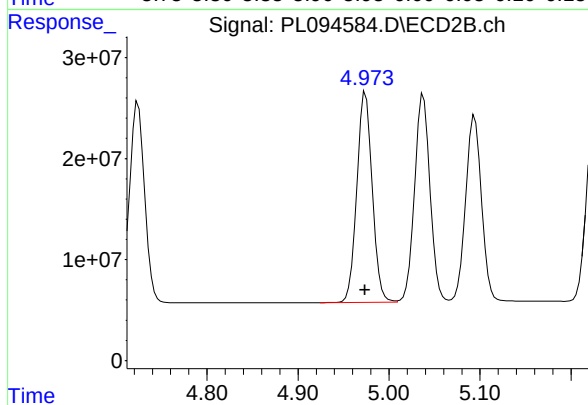
#9 Endosulfan I

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



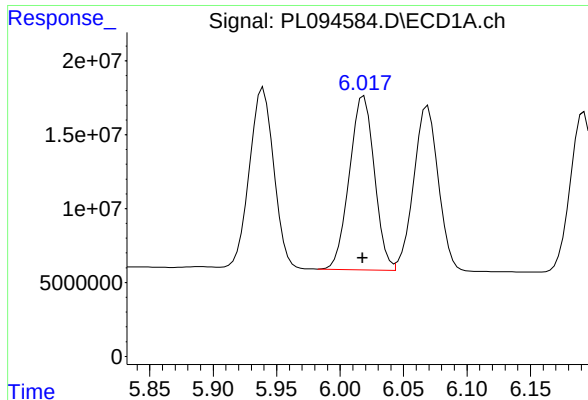
#10 gamma-Chlordane

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



#10 gamma-Chlordane

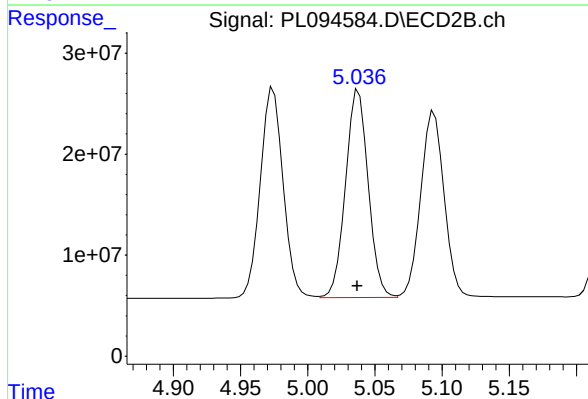
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 246248137
Conc: 51.00 ng/ml



#11 alpha-Chlordane

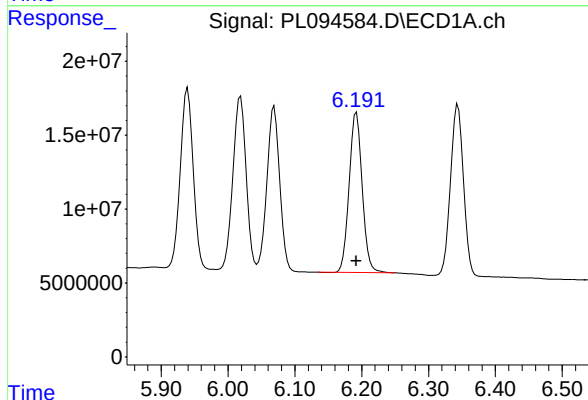
R.T.: 6.019 min
Delta R.T.: 0.001 min
Response: 161484723
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



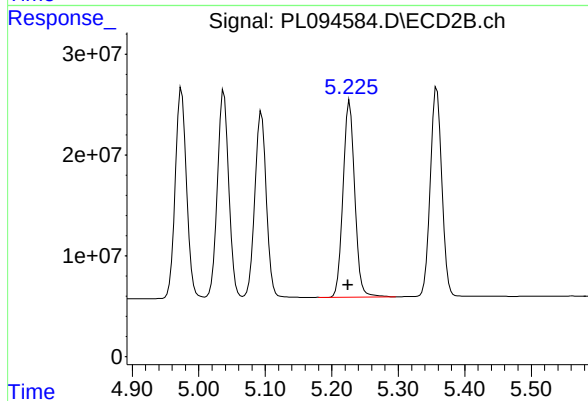
#11 alpha-Chlordane

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



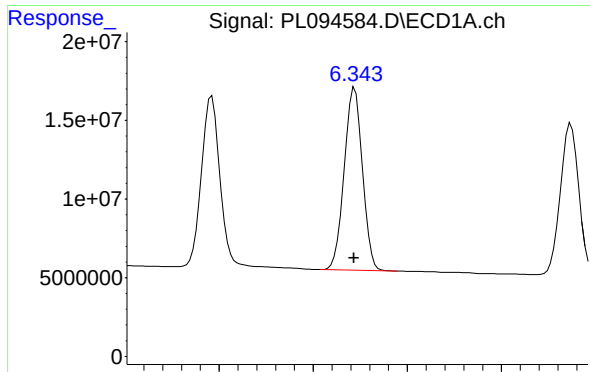
#12 4,4'-DDE

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



#12 4,4'-DDE

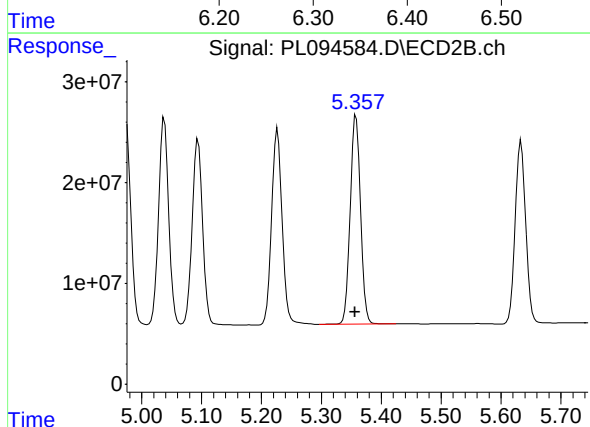
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 237229375
Conc: 51.03 ng/ml



#13 Dieldrin

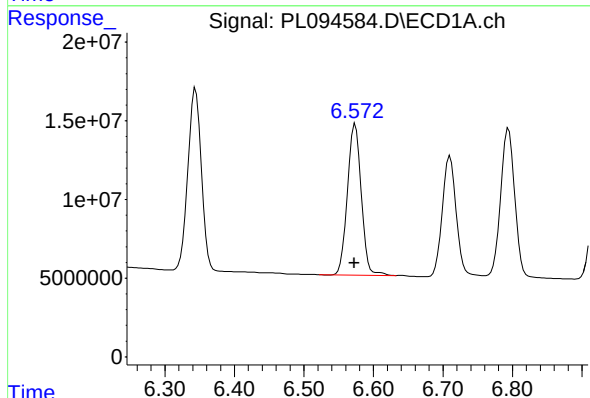
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156142534
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



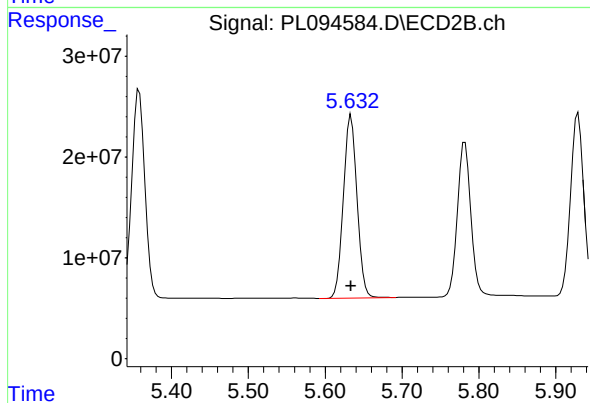
#13 Dieldrin

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



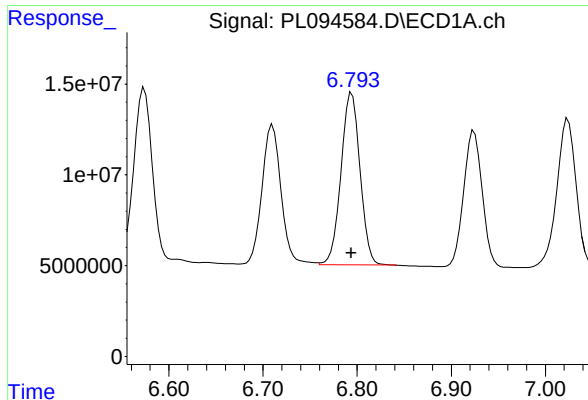
#14 Endrin

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



#14 Endrin

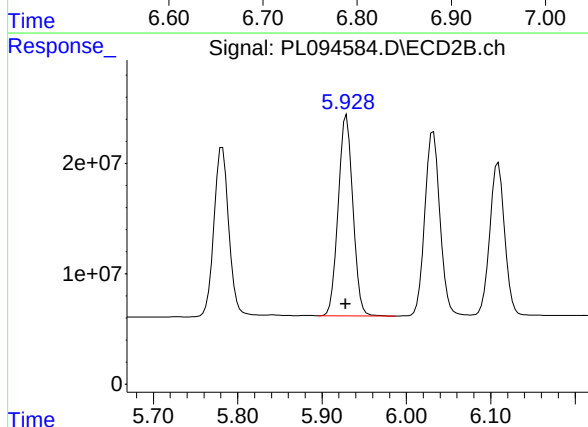
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 220759516
Conc: 50.59 ng/ml



#15 Endosulfan II

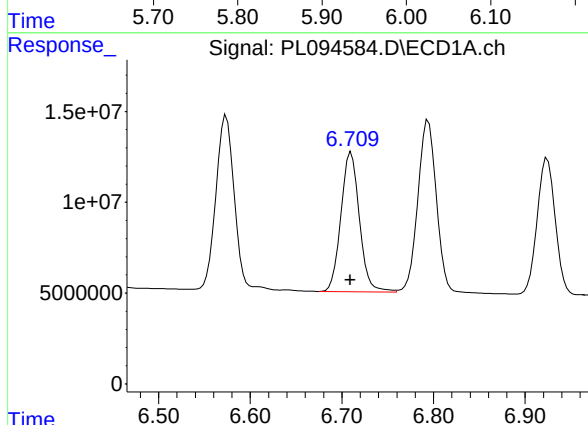
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133220736
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



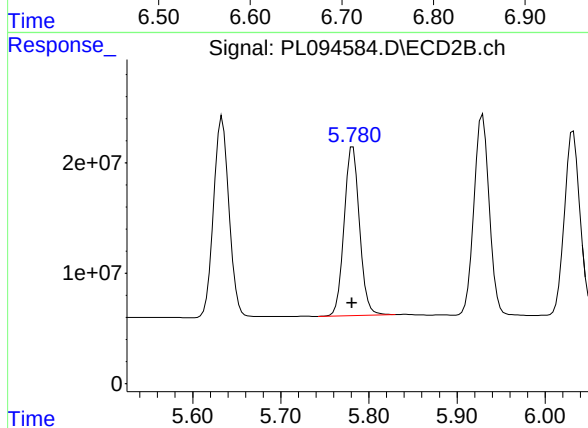
#15 Endosulfan II

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



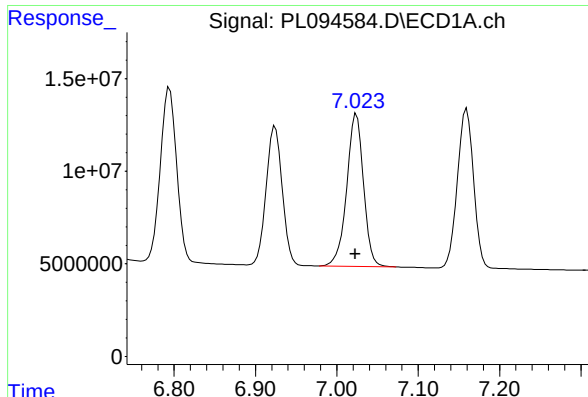
#16 4,4'-DDD

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



#16 4,4'-DDD

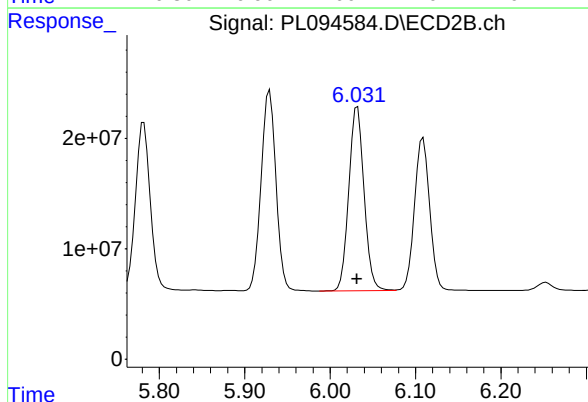
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 185961766
Conc: 51.72 ng/ml



#17 4,4'-DDT

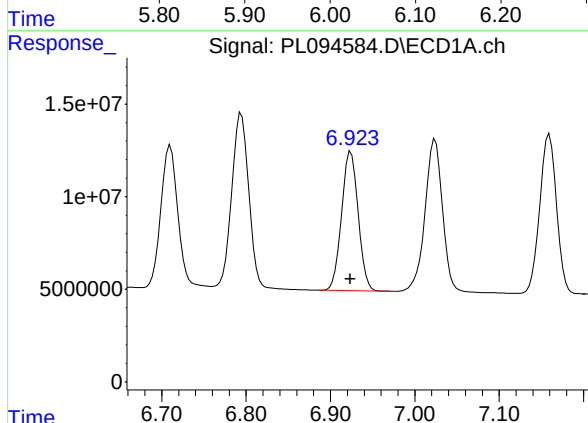
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 118288311
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



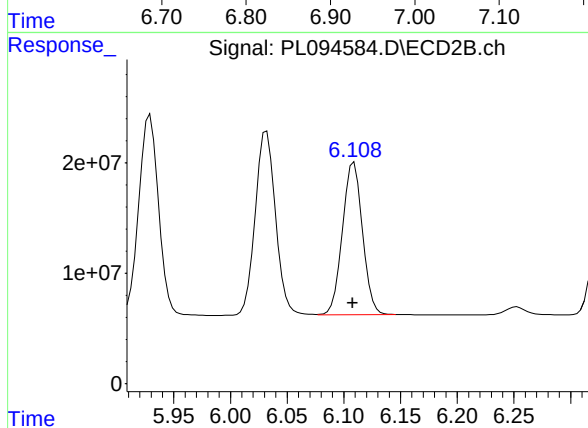
#17 4,4'-DDT

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



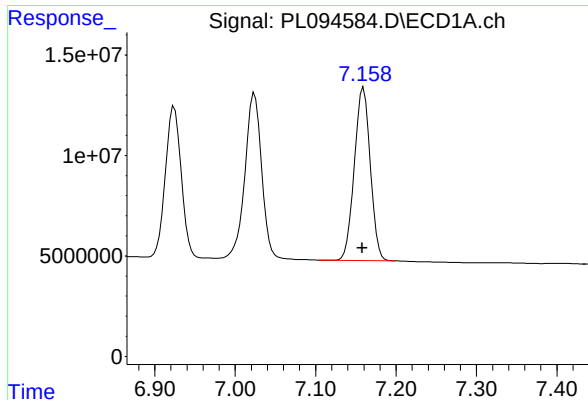
#18 Endrin aldehyde

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



#18 Endrin aldehyde

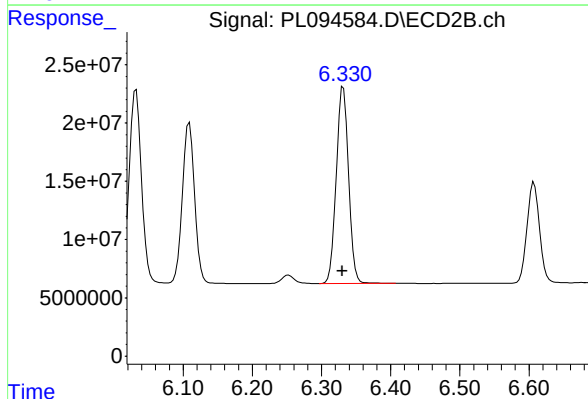
R.T.: 6.109 min
Delta R.T.: 0.001 min
Response: 169351182
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

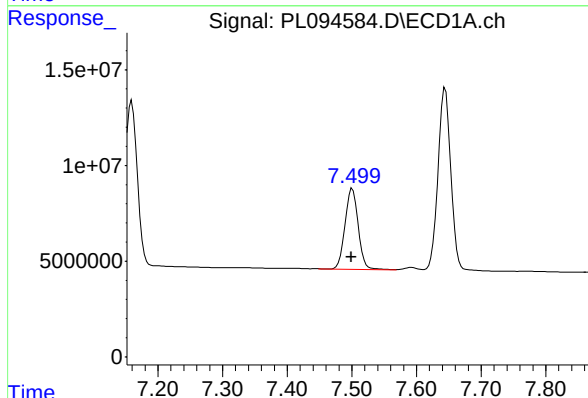
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 118675382
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



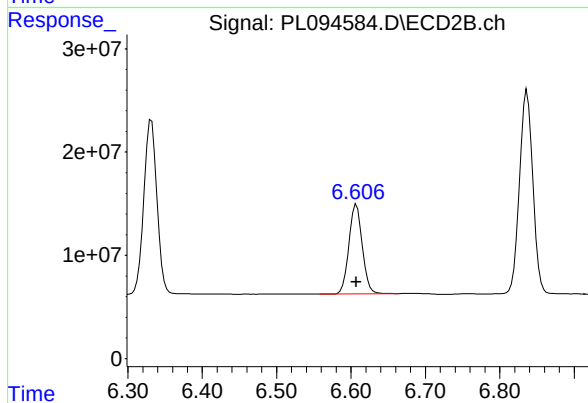
#19 Endosulfan Sulfate

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



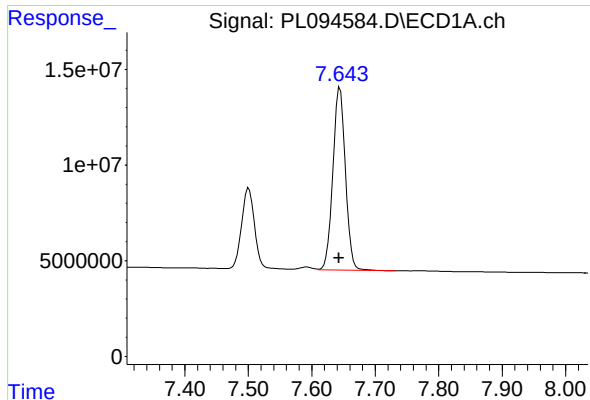
#20 Methoxychlor

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



#20 Methoxychlor

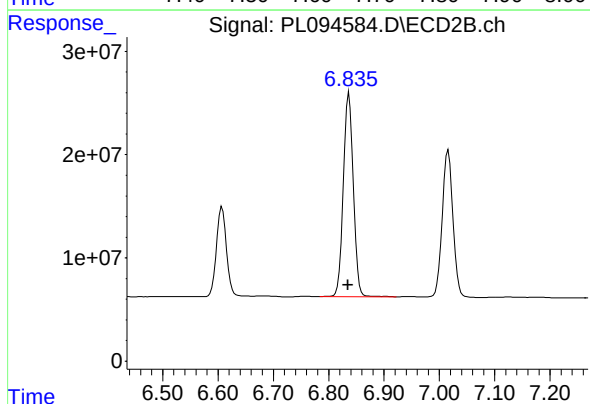
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 108134969
Conc: 50.98 ng/ml



#21 Endrin ketone

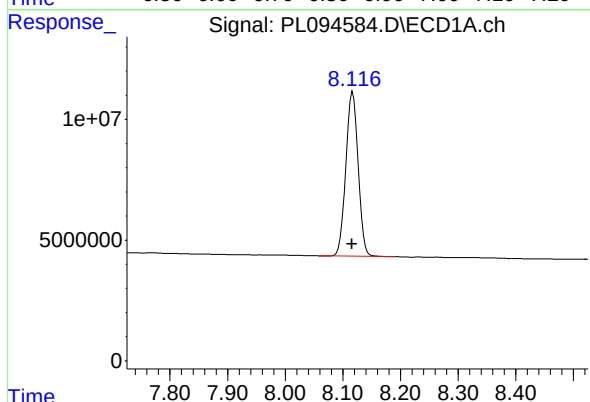
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 130943971
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



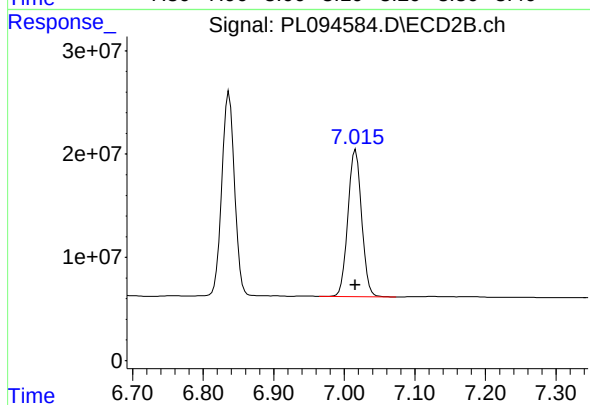
#21 Endrin ketone

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



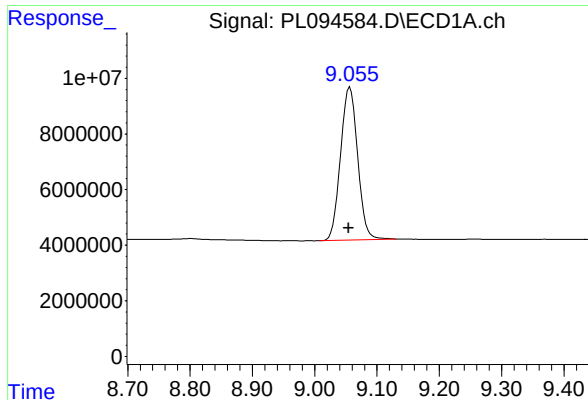
#22 Mirex

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



#22 Mirex

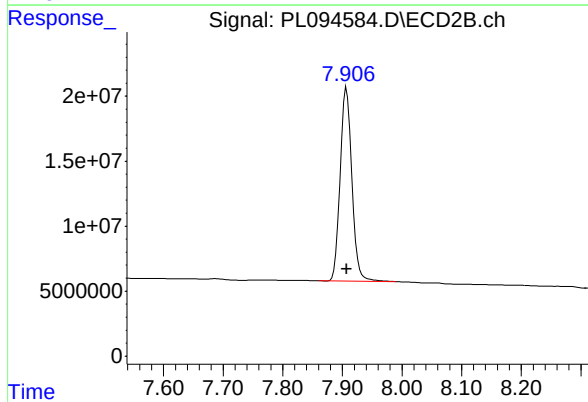
R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 191550146
Conc: 50.47 ng/ml



#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: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 03/31/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:44 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	3.99	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	4.91	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	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 03/31/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:44 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	5.36	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



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL01 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094960.D Time Analyzed: 14:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.610	6.810	56.420	50.000	12.8
4,4'-DDE	6.192	6.093	6.293	53.910	50.000	7.8
4,4'-DDT	7.024	6.924	7.124	52.020	50.000	4.0
Aldrin	5.256	5.156	5.356	47.550	50.000	-4.9
alpha-BHC	3.993	3.894	4.094	49.400	50.000	-1.2
alpha-Chlordane	6.018	5.918	6.118	48.960	50.000	-2.1
beta-BHC	4.525	4.425	4.625	48.840	50.000	-2.3
Decachlorobiphenyl	9.055	8.956	9.156	50.280	50.000	0.6
delta-BHC	4.772	4.673	4.873	50.500	50.000	1.0
Dieldrin	6.344	6.244	6.444	49.810	50.000	-0.4
Endosulfan I	6.068	5.969	6.169	49.110	50.000	-1.8
Endosulfan II	6.794	6.694	6.894	49.630	50.000	-0.7
Endosulfan sulfate	7.159	7.059	7.259	48.870	50.000	-2.3
Endrin	6.574	6.474	6.674	46.730	50.000	-6.5
Endrin aldehyde	6.925	6.824	7.024	48.190	50.000	-3.6
Endrin ketone	7.645	7.544	7.744	50.120	50.000	0.2
gamma-BHC (Lindane)	4.326	4.227	4.427	49.500	50.000	-1.0
gamma-Chlordane	5.939	5.840	6.040	48.750	50.000	-2.5
Heptachlor	4.914	4.815	5.015	47.370	50.000	-5.3
Heptachlor epoxide	5.683	5.583	5.783	48.010	50.000	-4.0
Methoxychlor	7.500	7.400	7.600	52.870	50.000	5.7
Tetrachloro-m-xylene	3.537	3.438	3.638	49.280	50.000	-1.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL01 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094960.D Time Analyzed: 14:44

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.779	5.682	5.882	56.760	50.000	13.5
4,4'-DDE	5.224	5.127	5.327	54.110	50.000	8.2
4,4'-DDT	6.029	5.932	6.132	54.260	50.000	8.5
Aldrin	4.219	4.122	4.322	52.750	50.000	5.5
alpha-BHC	3.272	3.174	3.374	54.340	50.000	8.7
alpha-Chlordane	5.035	4.938	5.138	51.840	50.000	3.7
beta-BHC	3.903	3.805	4.005	54.130	50.000	8.3
Decachlorobiphenyl	7.904	7.807	8.007	49.680	50.000	-0.6
delta-BHC	4.131	4.033	4.233	55.190	50.000	10.4
Dieldrin	5.355	5.258	5.458	52.090	50.000	4.2
Endosulfan I	5.091	4.994	5.194	51.910	50.000	3.8
Endosulfan II	5.926	5.829	6.029	51.600	50.000	3.2
Endosulfan sulfate	6.328	6.231	6.431	52.060	50.000	4.1
Endrin	5.630	5.534	5.734	51.690	50.000	3.4
Endrin aldehyde	6.106	6.008	6.208	49.990	50.000	0.0
Endrin ketone	6.832	6.736	6.936	51.490	50.000	3.0
gamma-BHC (Lindane)	3.602	3.504	3.704	53.760	50.000	7.5
gamma-Chlordane	4.970	4.874	5.074	52.370	50.000	4.7
Heptachlor	3.940	3.842	4.042	51.610	50.000	3.2
Heptachlor epoxide	4.722	4.625	4.825	51.960	50.000	3.9
Methoxychlor	6.604	6.507	6.707	53.770	50.000	7.5
Tetrachloro-m-xylene	2.770	2.672	2.872	53.560	50.000	7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094960.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 14:44
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:13:15 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	139.5E6	191.2E6	49.283	53.558
28) SA Decachlor...	9.055	7.904	106.0E6	200.7E6	50.280	49.682
Target Compounds						
2) A alpha-BHC	3.993	3.272	205.1E6	293.0E6	49.401	54.339
3) MA gamma-BHC...	4.326	3.602	197.5E6	276.3E6	49.498	53.764
4) MA Heptachlor	4.914	3.940	183.9E6	271.9E6	47.371	51.609
5) MB Aldrin	5.256	4.219	175.6E6	257.2E6	47.551	52.747
6) B beta-BHC	4.525	3.903	90118286	120.2E6	48.839	54.132
7) B delta-BHC	4.772	4.131	196.6E6	276.0E6	50.497	55.187
8) B Heptachlo...	5.683	4.722	160.6E6	237.9E6	48.008	51.958
9) A Endosulfan I	6.068	5.091	150.8E6	227.8E6	49.107	51.908
10) B gamma-Chl...	5.939	4.970	164.2E6	252.9E6	48.746	52.374m
11) B alpha-Chl...	6.018	5.035	161.4E6	247.4E6	48.958	51.837
12) B 4,4'-DDE	6.192	5.224	158.6E6	251.5E6	53.911	54.108
13) MA Dieldrin	6.344	5.355	159.3E6	252.8E6	49.809	52.095
14) MA Endrin	6.574	5.630	129.5E6	225.6E6	46.732	51.692m
15) B Endosulfa...	6.794	5.926	134.7E6	223.4E6	49.631	51.605
16) A 4,4'-DDD	6.710	5.779	122.2E6	204.1E6	56.420	56.761
17) MA 4,4'-DDT	7.024	6.029	123.7E6	218.8E6	52.018	54.264
18) B Endrin al...	6.925	6.106	101.7E6	168.2E6	48.189	49.987
19) B Endosulfa...	7.159	6.328	118.9E6	212.1E6	48.871	52.061
20) A Methoxychlor	7.500	6.604	63286114	114.1E6	52.867	53.773
21) B Endrin ke...	7.645	6.832	132.5E6	245.7E6	50.120	51.488m
22) Mirex	8.117	7.012	95071686	187.3E6	46.011	49.347m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094960.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 14:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

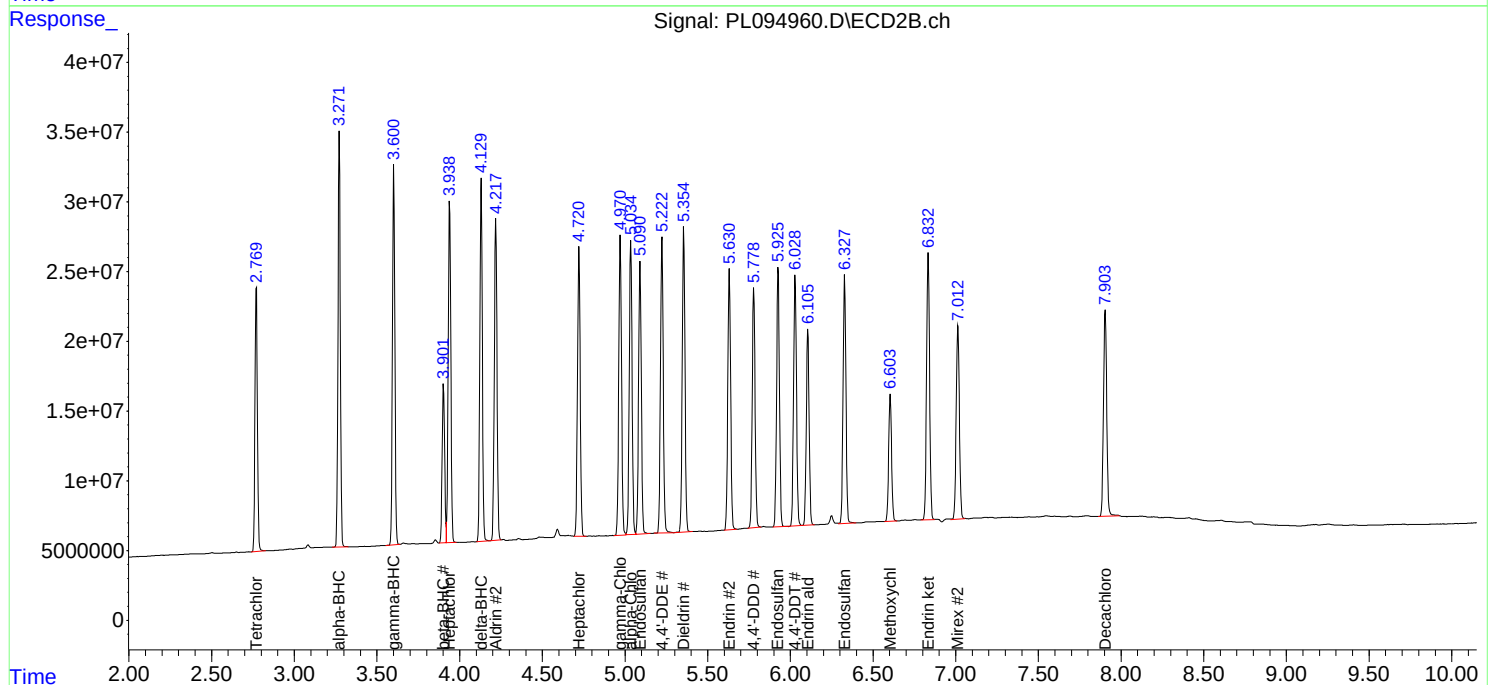
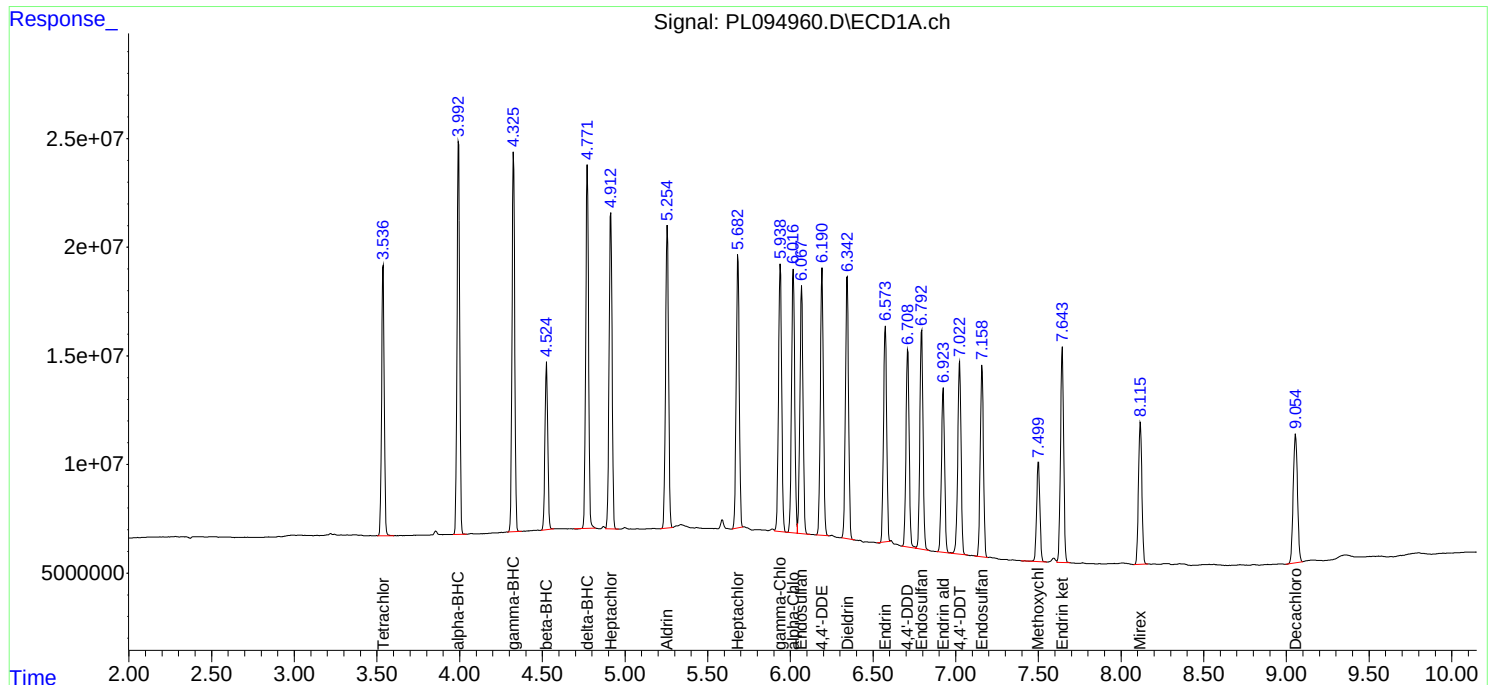
APPROVED

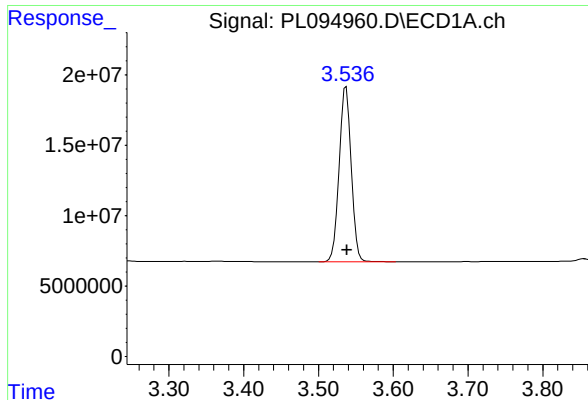
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:15 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: 139504273
Conc: 49.28 ng/ml

Instrument :

ECD_L

ClientSampleId :

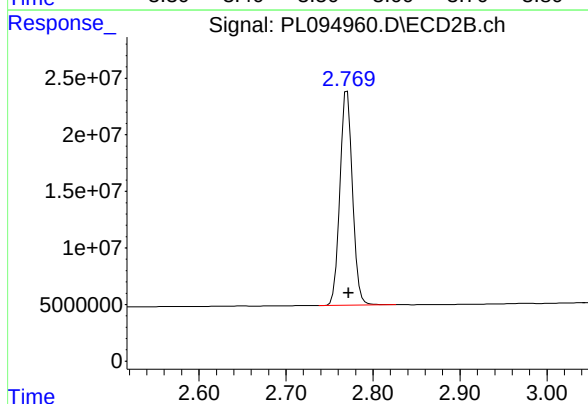
PSTDCCC050

Manual Integrations

APPROVED

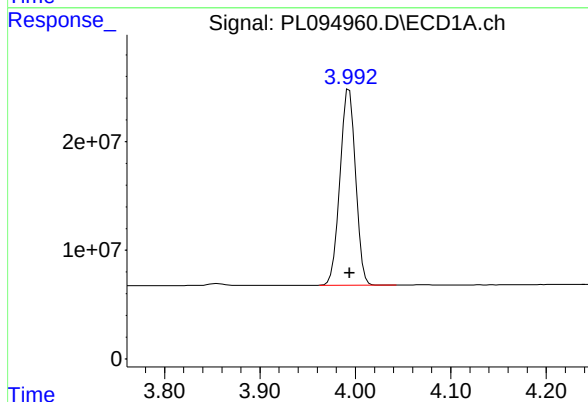
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025



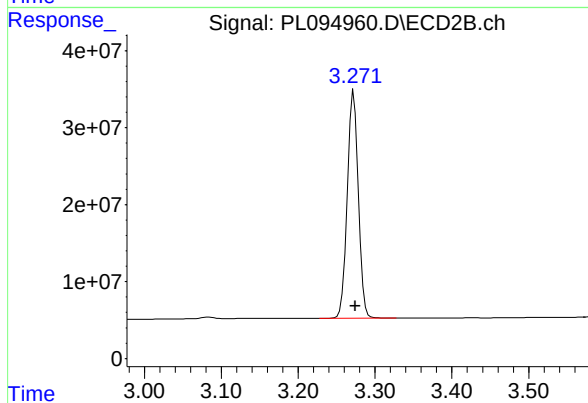
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 191164020
Conc: 53.56 ng/ml



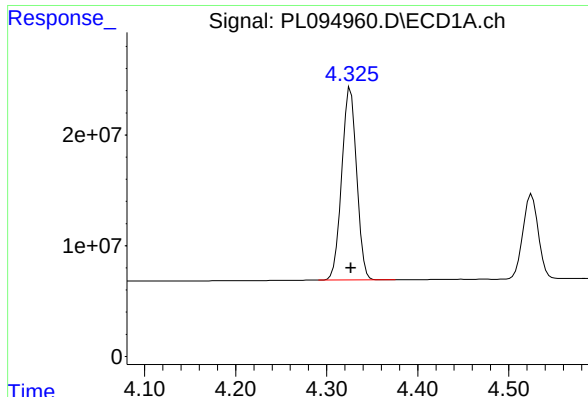
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 205129717
Conc: 49.40 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 292962638
Conc: 54.34 ng/ml



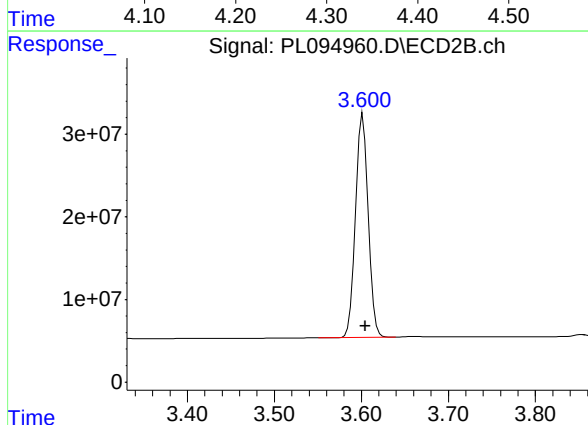
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 197508586
Conc: 49.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

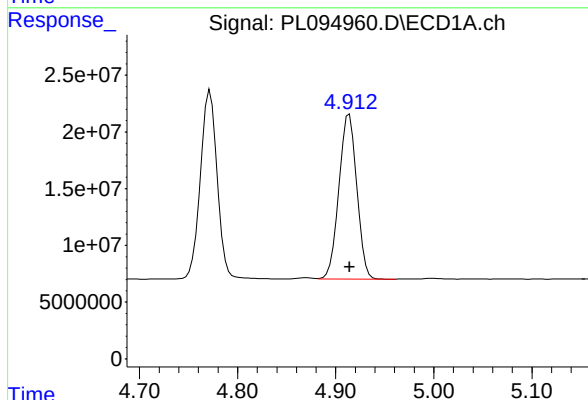
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



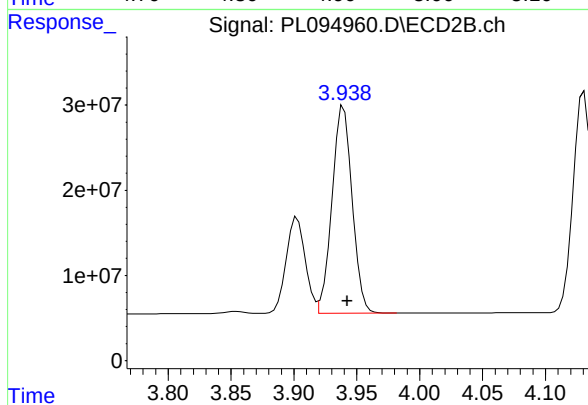
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 276319925
Conc: 53.76 ng/ml



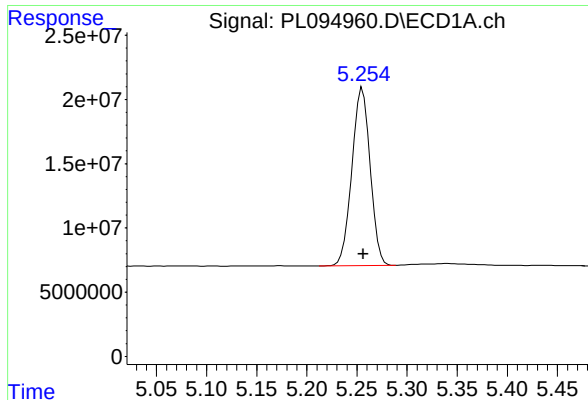
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 183876080
Conc: 47.37 ng/ml



#4 Heptachlor

R.T.: 3.940 min
Delta R.T.: -0.003 min
Response: 271911762
Conc: 51.61 ng/ml



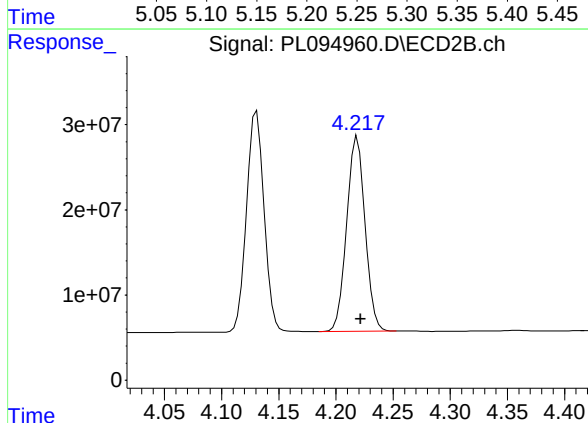
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 175569841
Conc: 47.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

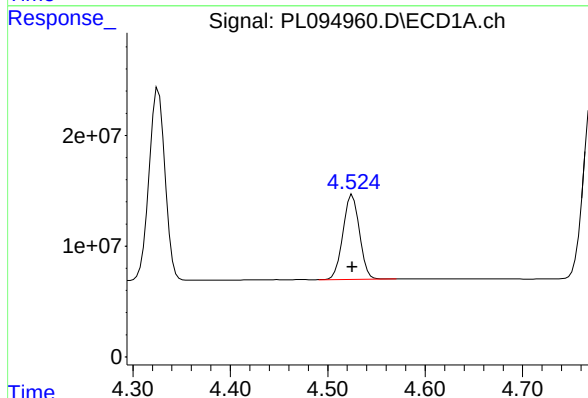
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



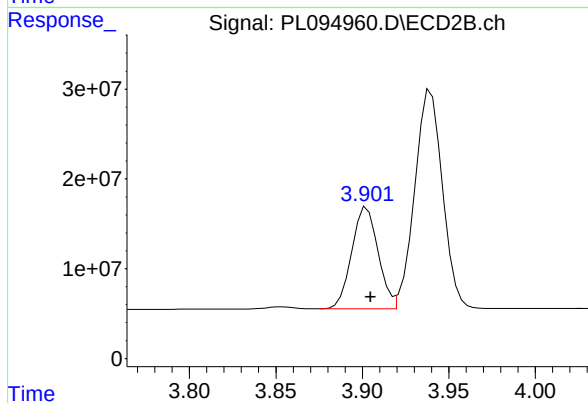
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 257210561
Conc: 52.75 ng/ml



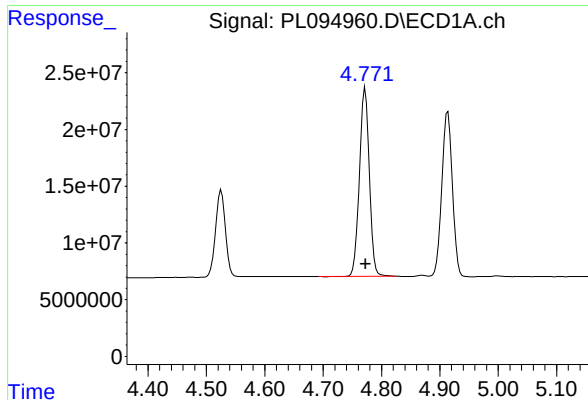
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 90118286
Conc: 48.84 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 120242885
Conc: 54.13 ng/ml



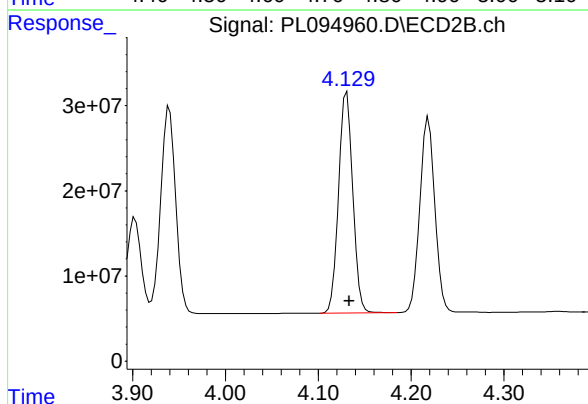
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 196649412
Conc: 50.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

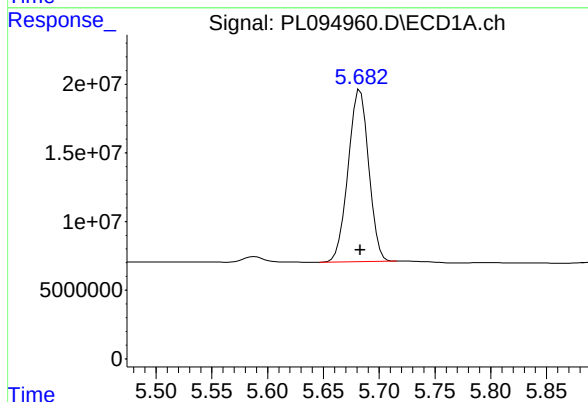
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



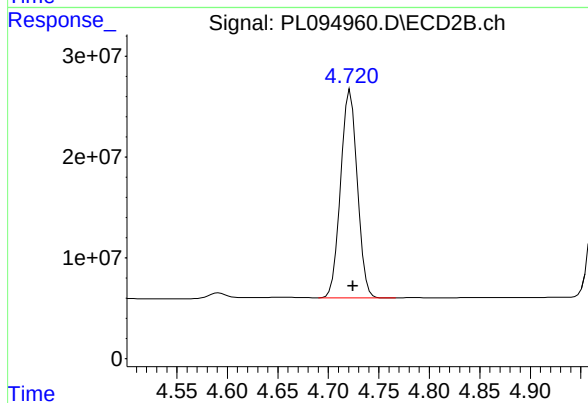
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 276045808
Conc: 55.19 ng/ml



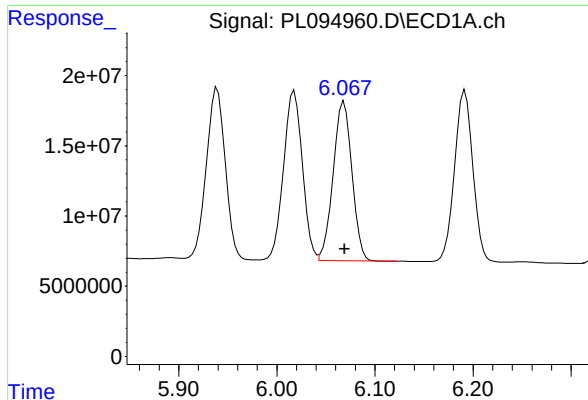
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 160597692
Conc: 48.01 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.003 min
Response: 237894922
Conc: 51.96 ng/ml



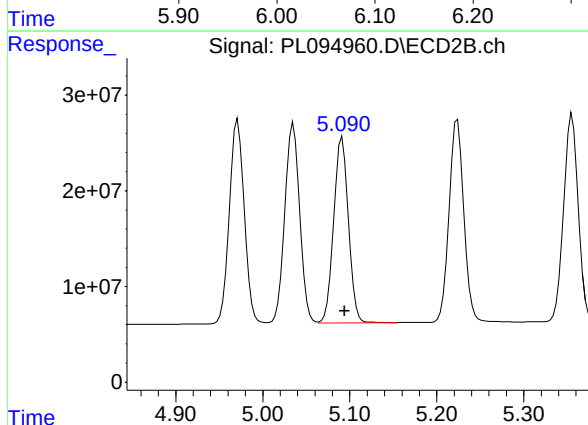
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 150767627
Conc: 49.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

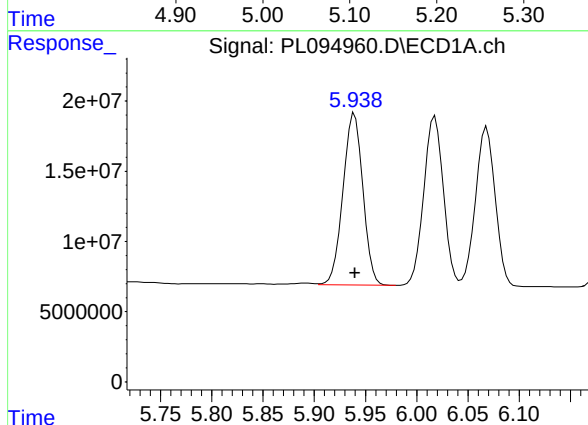
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



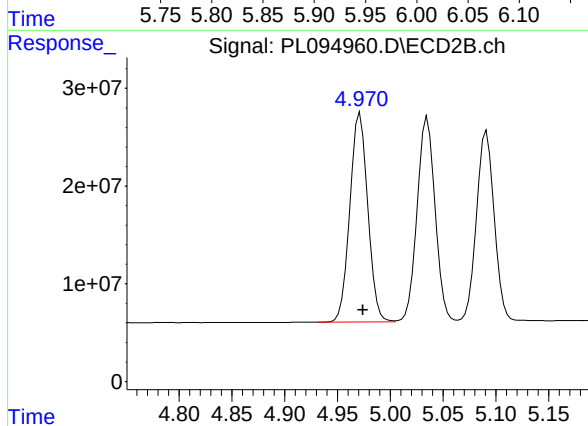
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 227811204
Conc: 51.91 ng/ml



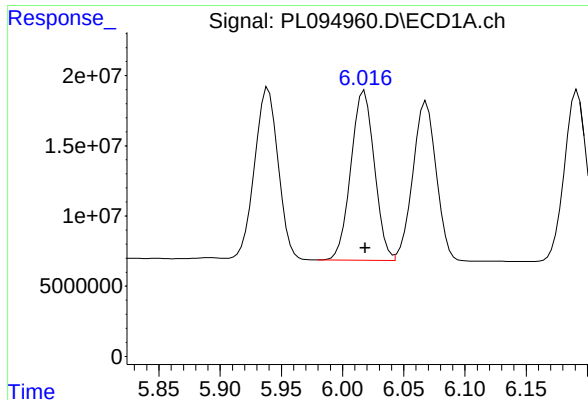
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 164243607
Conc: 48.75 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 252885800
Conc: 52.37 ng/ml m



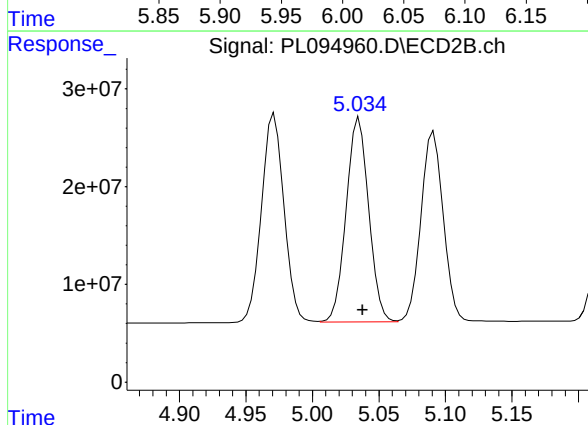
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 161405398
Conc: 48.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

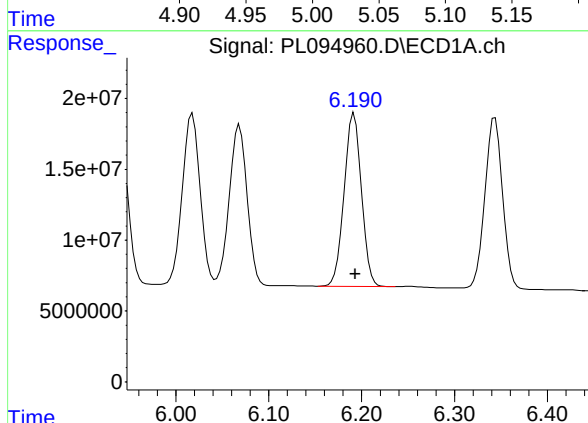
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



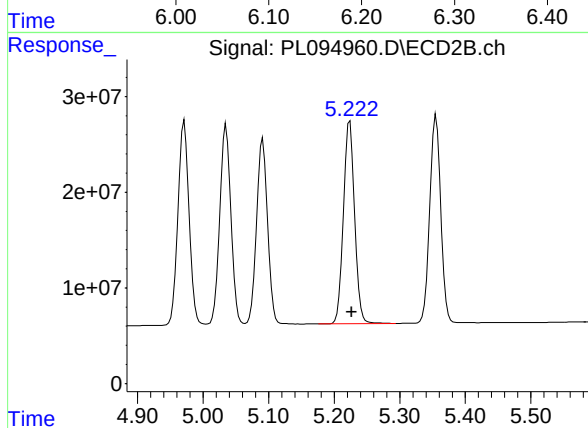
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.003 min
Response: 247407936
Conc: 51.84 ng/ml



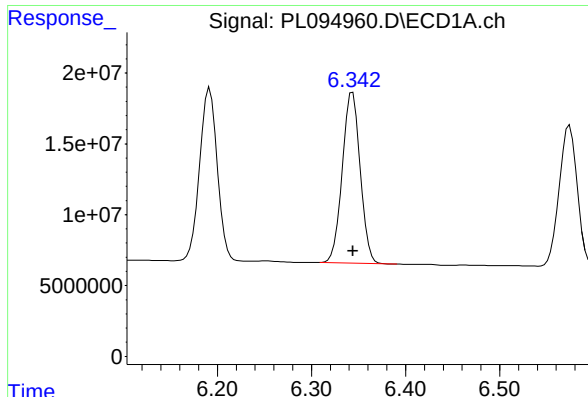
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 158608064
Conc: 53.91 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.003 min
Response: 251523619
Conc: 54.11 ng/ml



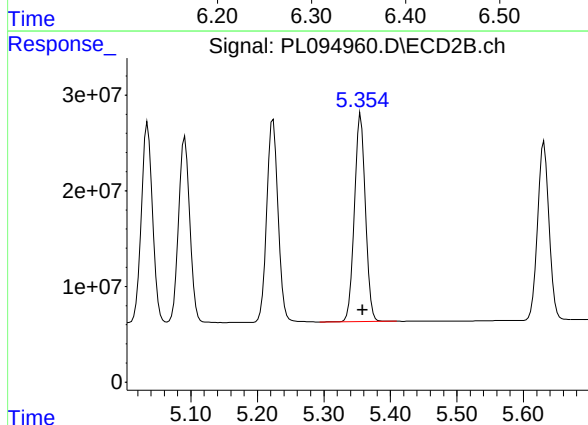
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 159295237
Conc: 49.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

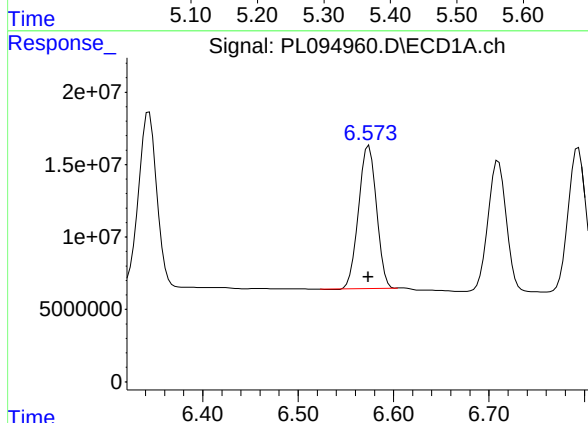
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



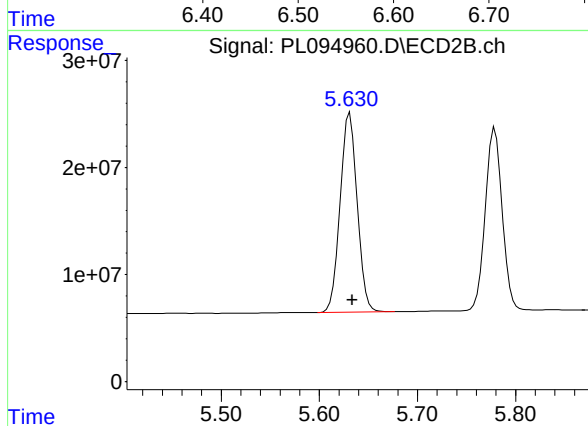
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 252753083
Conc: 52.09 ng/ml



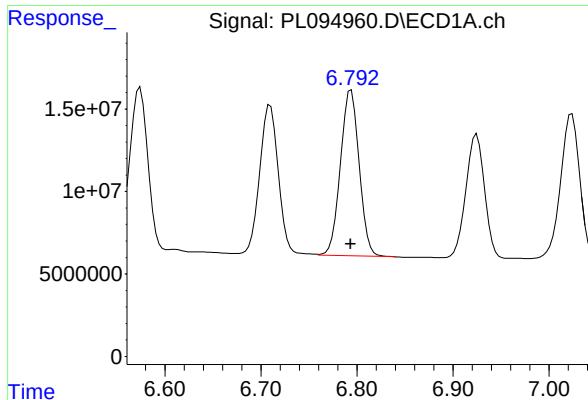
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 129545355
Conc: 46.73 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.004 min
Response: 225567621
Conc: 51.69 ng/ml m



#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 134735562
Conc: 49.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

#15 Endosulfan II

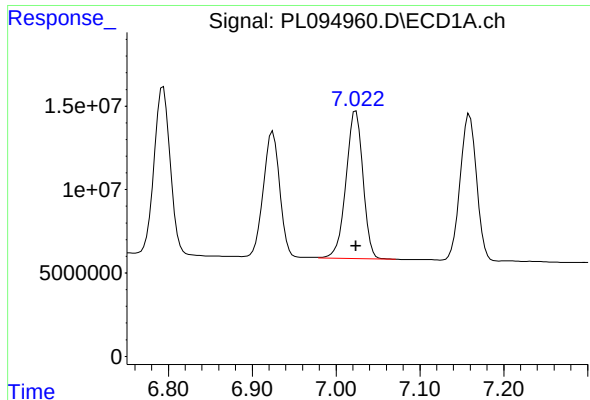
R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 223358445
Conc: 51.60 ng/ml

#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 122209819
Conc: 56.42 ng/ml

#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 204107839
Conc: 56.76 ng/ml



#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 123727296
Conc: 52.02 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

#17 4,4'-DDT

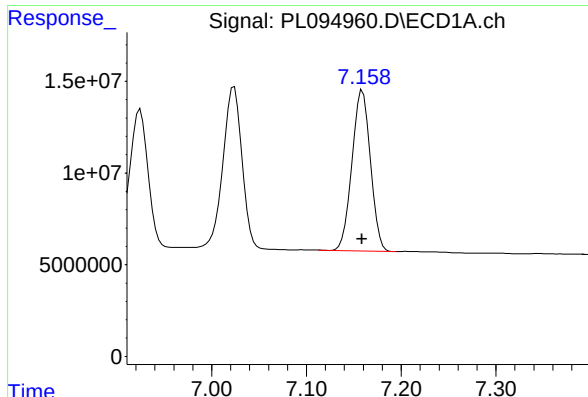
R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 218797617
Conc: 54.26 ng/ml

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 101725899
Conc: 48.19 ng/ml

#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 168223780
Conc: 49.99 ng/ml



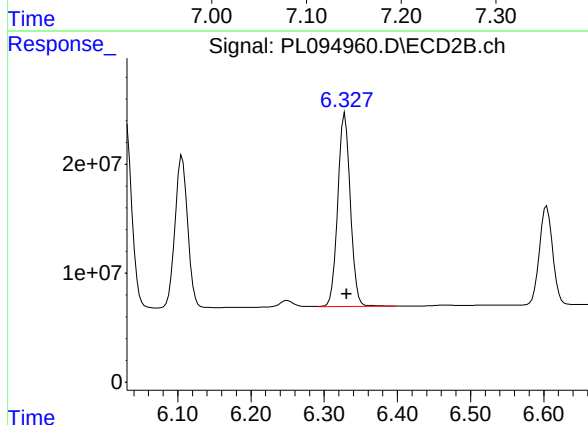
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 118856171
Conc: 48.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

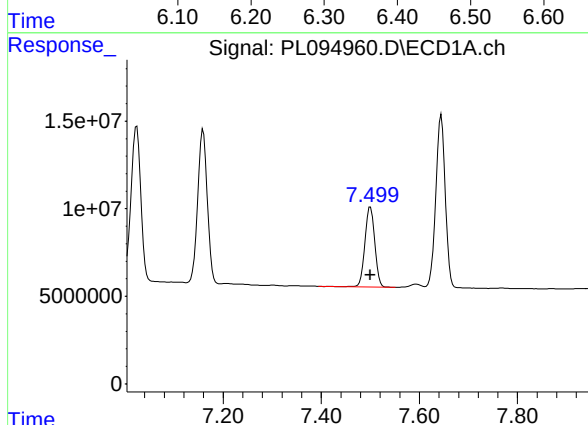
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



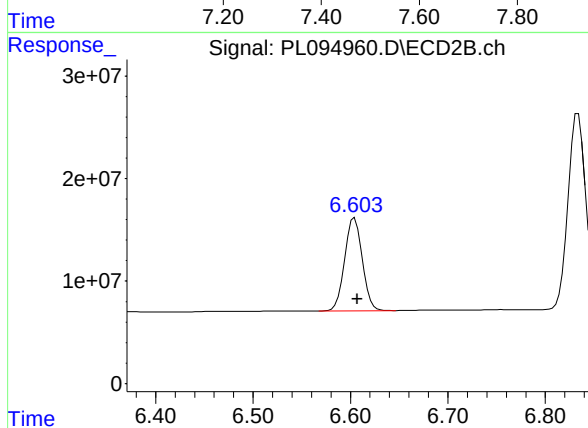
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.002 min
Response: 212065700
Conc: 52.06 ng/ml



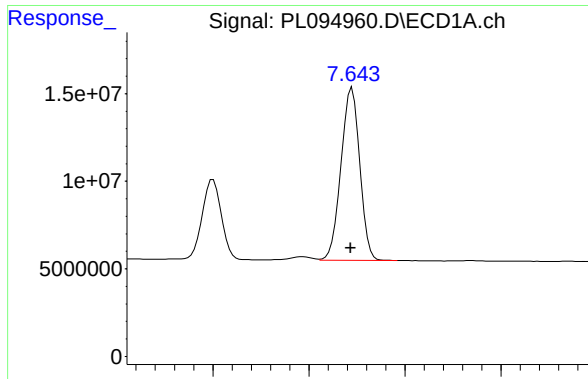
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 63286114
Conc: 52.87 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 114055493
Conc: 53.77 ng/ml



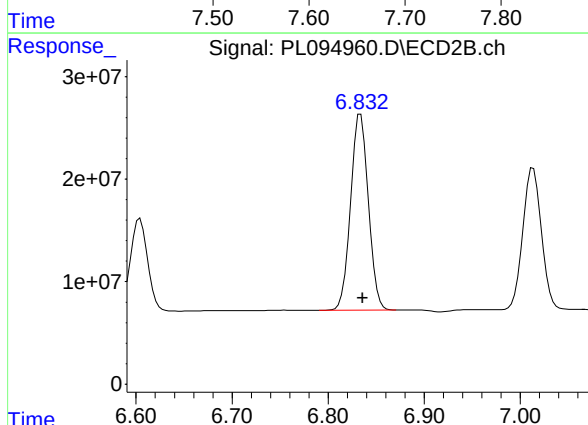
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.001 min
Response: 132480263
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

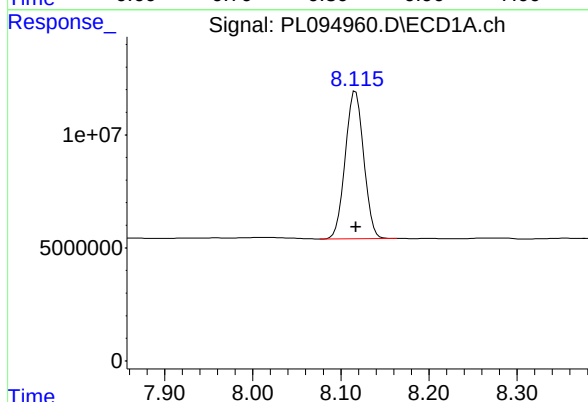
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



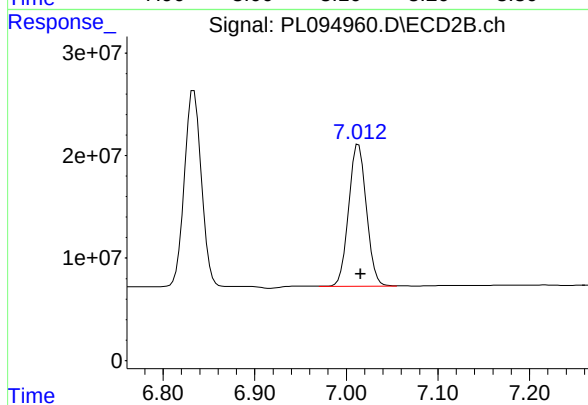
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 245732115
Conc: 51.49 ng/ml m



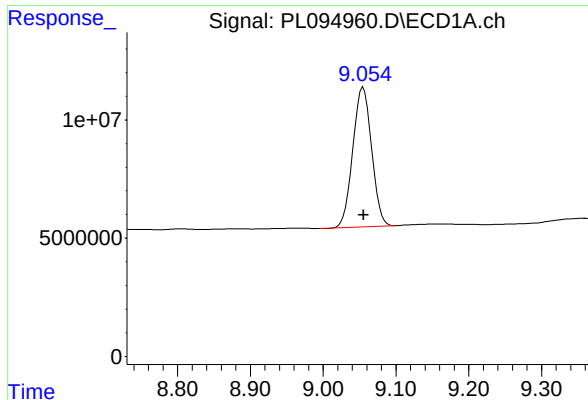
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 95071686
Conc: 46.01 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 187288615
Conc: 49.35 ng/ml m



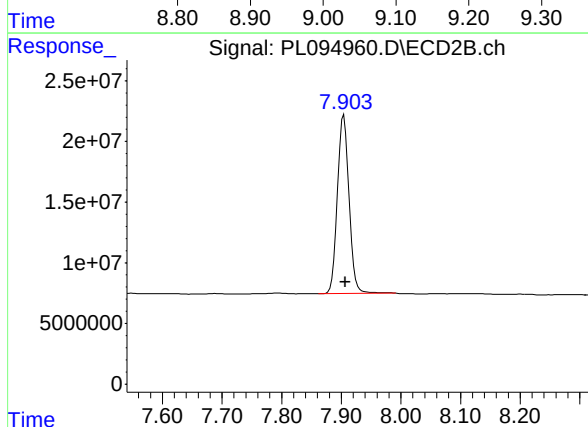
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 105962336
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.002 min
Response: 200681539
Conc: 49.68 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 03/31/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 20:13 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	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02
Lab Code: CHEM **Case No.:** Q1664 **SAS No.:** Q1664 **SDG NO.:** Q1664
Continuing Calib Date: 03/31/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025
Continuing Calib Time: 20:13 **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	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL02 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094971.D Time Analyzed: 20:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.610	6.810	56.560	50.000	13.1
4,4'-DDE	6.191	6.093	6.293	53.730	50.000	7.5
4,4'-DDT	7.023	6.924	7.124	51.130	50.000	2.3
Aldrin	5.255	5.156	5.356	47.040	50.000	-5.9
alpha-BHC	3.992	3.894	4.094	48.400	50.000	-3.2
alpha-Chlordane	6.017	5.918	6.118	48.490	50.000	-3.0
beta-BHC	4.524	4.425	4.625	47.570	50.000	-4.9
Decachlorobiphenyl	9.054	8.956	9.156	51.030	50.000	2.1
delta-BHC	4.771	4.673	4.873	49.590	50.000	-0.8
Dieldrin	6.343	6.244	6.444	49.570	50.000	-0.9
Endosulfan I	6.067	5.969	6.169	48.880	50.000	-2.2
Endosulfan II	6.793	6.694	6.894	49.940	50.000	-0.1
Endosulfan sulfate	7.158	7.059	7.259	49.350	50.000	-1.3
Endrin	6.573	6.474	6.674	45.700	50.000	-8.6
Endrin aldehyde	6.923	6.824	7.024	48.330	50.000	-3.3
Endrin ketone	7.643	7.544	7.744	51.280	50.000	2.6
gamma-BHC (Lindane)	4.325	4.227	4.427	48.210	50.000	-3.6
gamma-Chlordane	5.938	5.840	6.040	48.080	50.000	-3.8
Heptachlor	4.913	4.815	5.015	46.570	50.000	-6.9
Heptachlor epoxide	5.682	5.583	5.783	47.040	50.000	-5.9
Methoxychlor	7.499	7.400	7.600	52.530	50.000	5.1
Tetrachloro-m-xylene	3.536	3.438	3.638	48.360	50.000	-3.3



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL02 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094971.D Time Analyzed: 20:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.778	5.682	5.882	56.420	50.000	12.8
4,4'-DDE	5.223	5.127	5.327	53.850	50.000	7.7
4,4'-DDT	6.028	5.932	6.132	53.850	50.000	7.7
Aldrin	4.218	4.122	4.322	51.430	50.000	2.9
alpha-BHC	3.271	3.174	3.374	53.010	50.000	6.0
alpha-Chlordane	5.034	4.938	5.138	51.030	50.000	2.1
beta-BHC	3.902	3.805	4.005	52.340	50.000	4.7
Decachlorobiphenyl	7.903	7.807	8.007	52.020	50.000	4.0
delta-BHC	4.130	4.033	4.233	53.540	50.000	7.1
Dieldrin	5.354	5.258	5.458	51.860	50.000	3.7
Endosulfan I	5.091	4.994	5.194	51.640	50.000	3.3
Endosulfan II	5.925	5.829	6.029	51.550	50.000	3.1
Endosulfan sulfate	6.328	6.231	6.431	51.640	50.000	3.3
Endrin	5.630	5.534	5.734	50.950	50.000	1.9
Endrin aldehyde	6.105	6.008	6.208	50.090	50.000	0.2
Endrin ketone	6.831	6.736	6.936	52.590	50.000	5.2
gamma-BHC (Lindane)	3.600	3.504	3.704	52.280	50.000	4.6
gamma-Chlordane	4.971	4.874	5.074	51.380	50.000	2.8
Heptachlor	3.939	3.842	4.042	50.250	50.000	0.5
Heptachlor epoxide	4.721	4.625	4.825	51.080	50.000	2.2
Methoxychlor	6.602	6.507	6.707	53.590	50.000	7.2
Tetrachloro-m-xylene	2.769	2.672	2.872	52.360	50.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094971.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 20:13
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:15:20 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...	3.536	2.769	136.9E6	186.9E6	48.355	52.359
28)	SA Decachlor...	9.054	7.903	107.5E6	210.1E6	51.028	52.025
Target Compounds							
2)	A alpha-BHC	3.992	3.271	201.0E6	285.8E6	48.401	53.007
3)	MA gamma-BHC...	4.325	3.600	192.4E6	268.7E6	48.212	52.278m
4)	MA Heptachlor	4.913	3.939	180.8E6	264.7E6	46.569	50.248
5)	MB Aldrin	5.255	4.218	173.7E6	250.8E6	47.035	51.431
6)	B beta-BHC	4.524	3.902	87785142	116.3E6	47.574	52.344
7)	B delta-BHC	4.771	4.130	193.1E6	267.8E6	49.594	53.535
8)	B Heptachlo...	5.682	4.721	157.4E6	233.9E6	47.043	51.081
9)	A Endosulfan I	6.067	5.091	150.1E6	226.6E6	48.880	51.639
10)	B gamma-Chl...	5.938	4.971	162.0E6	248.1E6	48.079	51.384
11)	B alpha-Chl...	6.017	5.034	159.9E6	243.6E6	48.489	51.034
12)	B 4,4'-DDE	6.191	5.223	158.1E6	250.3E6	53.730	53.850
13)	MA Dieldrin	6.343	5.354	158.5E6	251.6E6	49.568	51.865
14)	MA Endrin	6.573	5.630	126.7E6	222.3E6	45.698	50.951
15)	B Endosulfa...	6.793	5.925	135.6E6	223.1E6	49.943	51.550
16)	A 4,4'-DDD	6.709	5.778	122.5E6	202.9E6	56.559	56.423
17)	MA 4,4'-DDT	7.023	6.028	121.6E6	217.1E6	51.126	53.852
18)	B Endrin al...	6.923	6.105	102.0E6	168.6E6	48.329	50.094
19)	B Endosulfa...	7.158	6.328	120.0E6	210.4E6	49.346	51.642
20)	A Methoxychlor	7.499	6.602	62887114	113.7E6	52.534	53.590m
21)	B Endrin ke...	7.643	6.831	135.5E6	251.0E6	51.276	52.592m
22)	Mirex	8.116	7.012	97290738	192.7E6	47.085	50.772

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 20:13
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

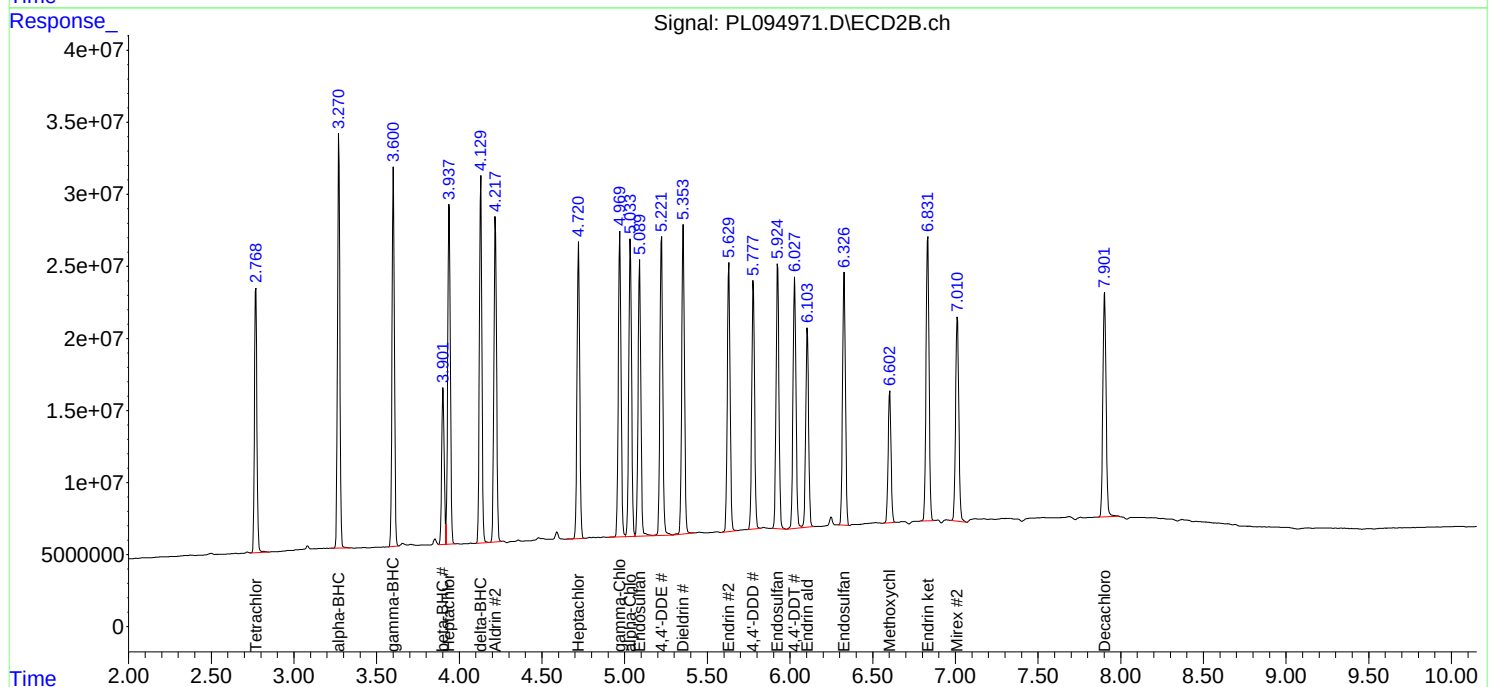
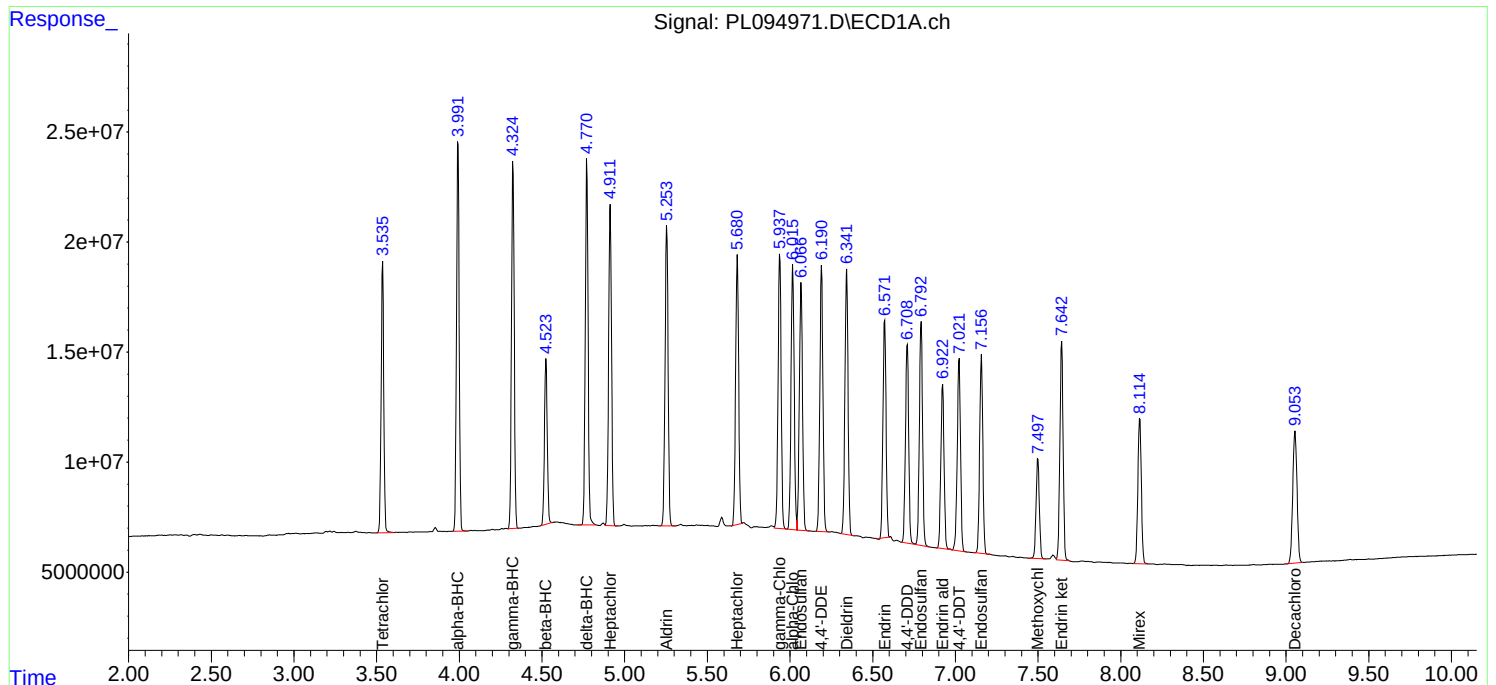
APPROVED

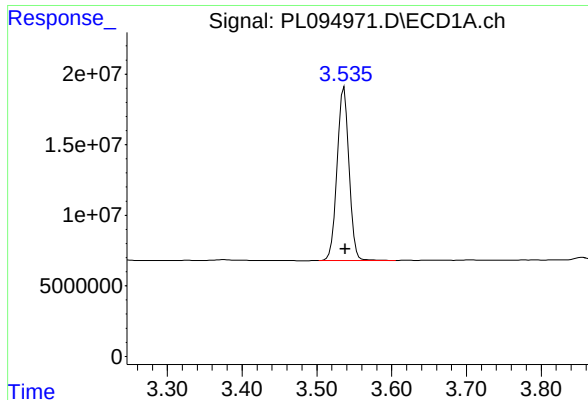
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:20 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.: 3.536 min
Delta R.T.: -0.002 min
Response: 136878180
Conc: 48.36 ng/ml

Instrument :

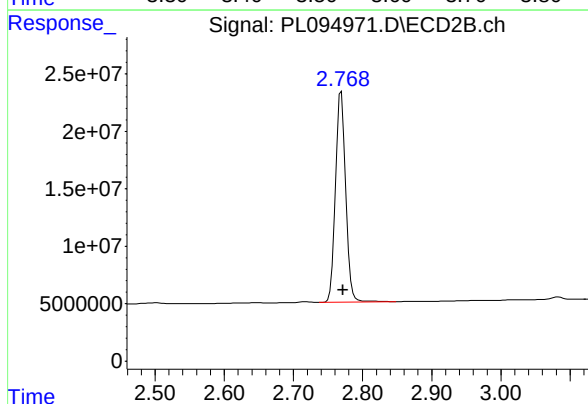
ECD_L

ClientSampleId :

PSTDCCC050

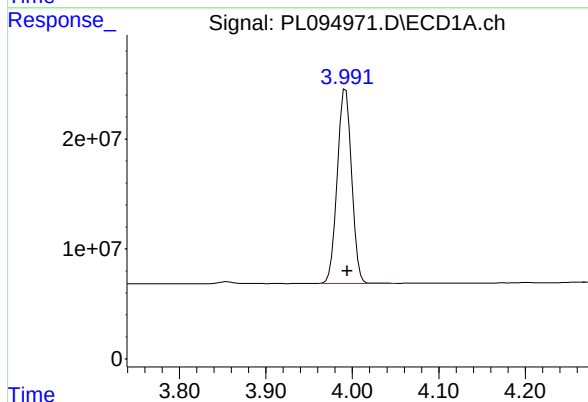
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



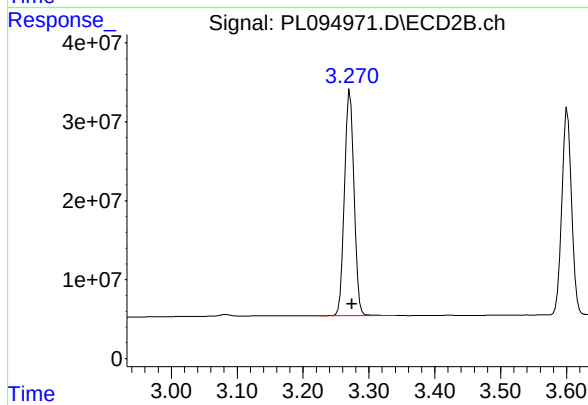
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 186883957
Conc: 52.36 ng/ml



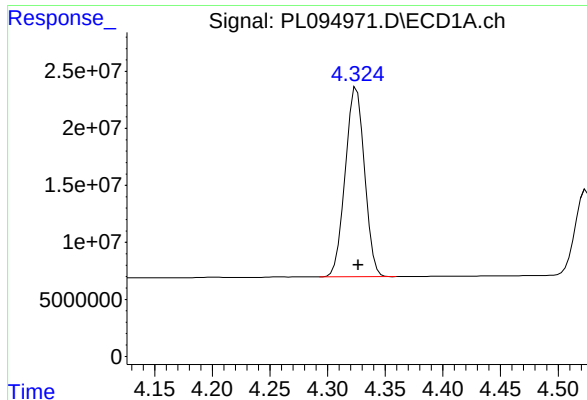
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 200978629
Conc: 48.40 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 285778485
Conc: 53.01 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 192377032
Conc: 48.21 ng/ml

Instrument :

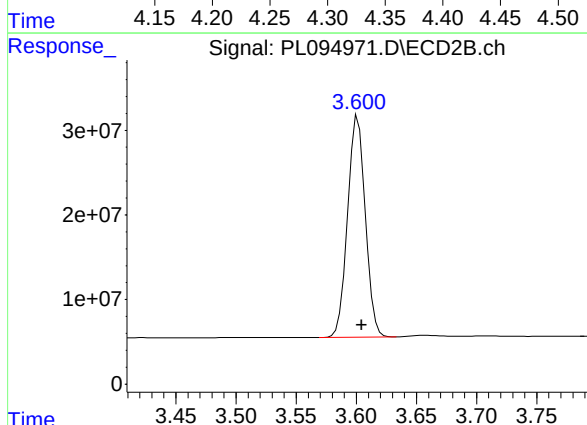
ECD_L

ClientSampleId :

PSTDCCC050

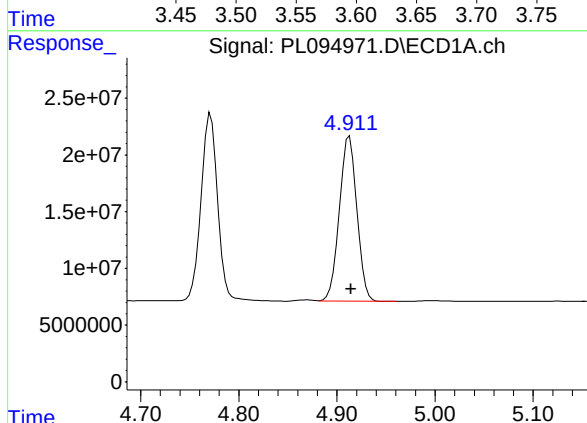
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



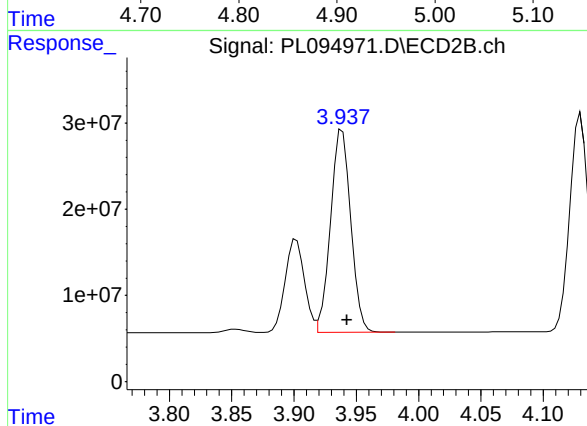
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 268678772
Conc: 52.28 ng/ml



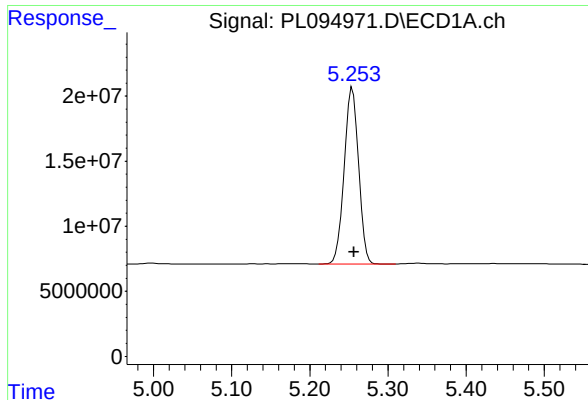
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 180764787
Conc: 46.57 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.004 min
Response: 264736500
Conc: 50.25 ng/ml



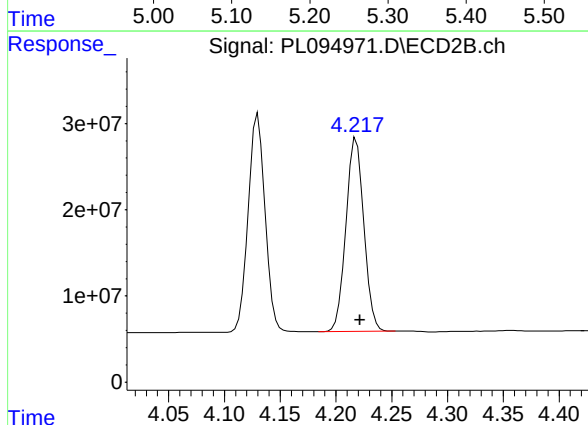
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.002 min
Response: 173665384
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

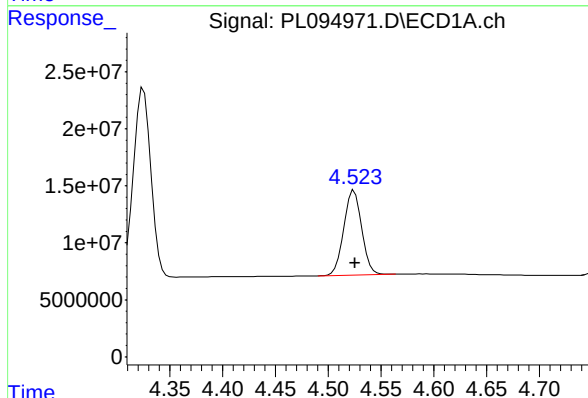
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



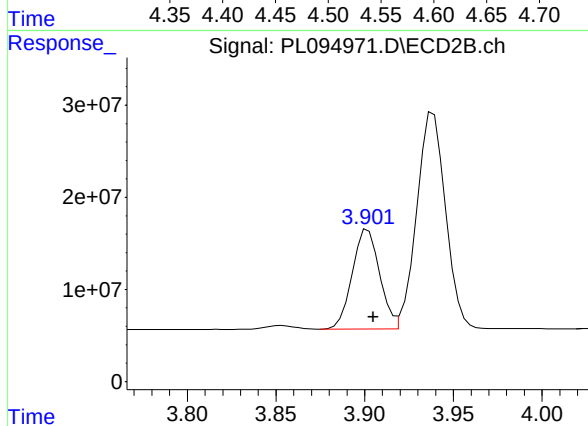
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.003 min
Response: 250796584
Conc: 51.43 ng/ml



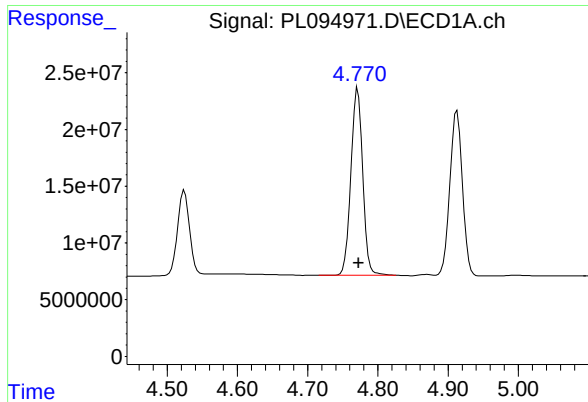
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 87785142
Conc: 47.57 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 116270826
Conc: 52.34 ng/ml



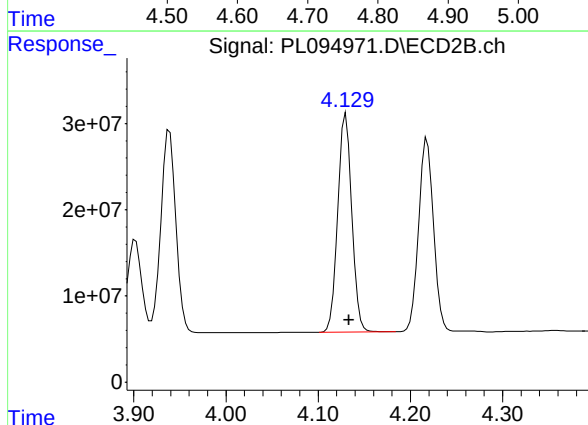
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 193134395
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

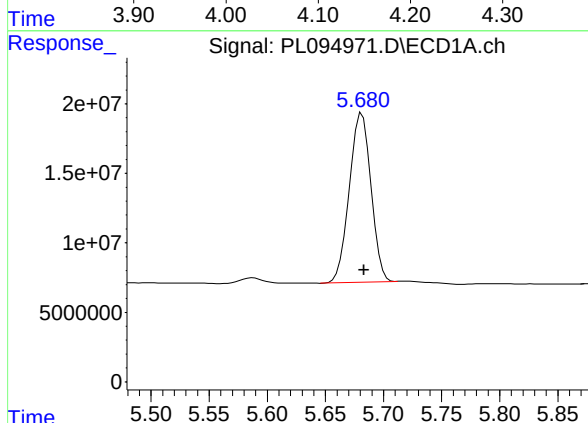
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



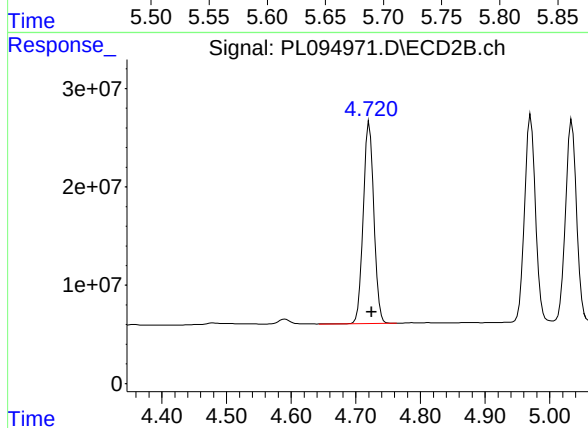
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 267782672
Conc: 53.54 ng/ml



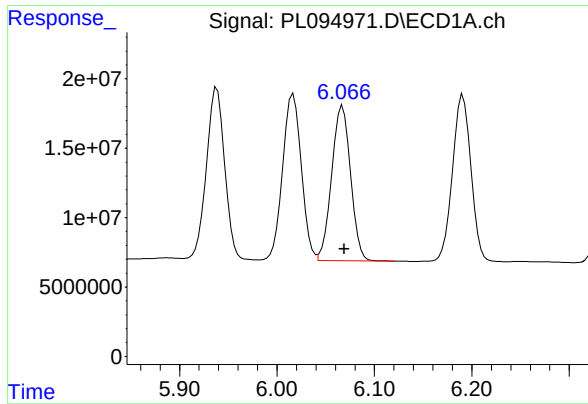
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.002 min
Response: 157369412
Conc: 47.04 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.004 min
Response: 233880082
Conc: 51.08 ng/ml



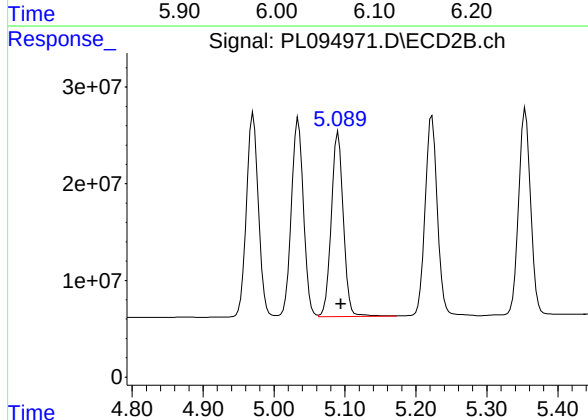
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 150072810
Conc: 48.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

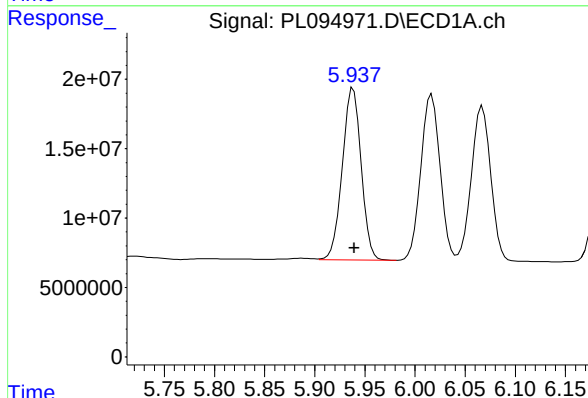
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



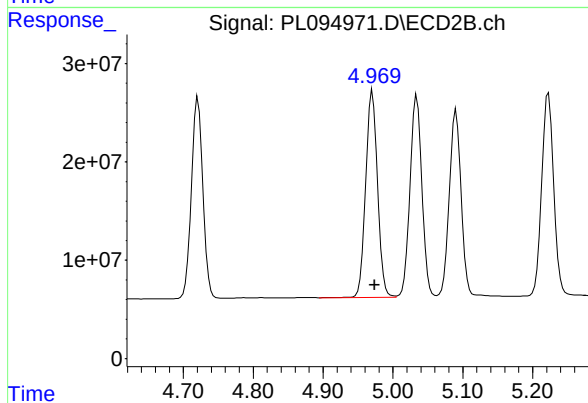
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 226631809
Conc: 51.64 ng/ml



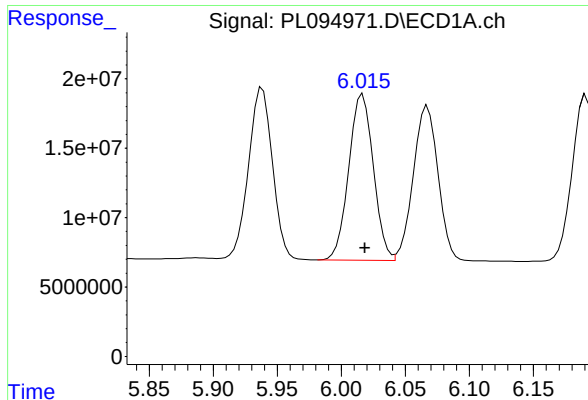
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 161994324
Conc: 48.08 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 248101638
Conc: 51.38 ng/ml



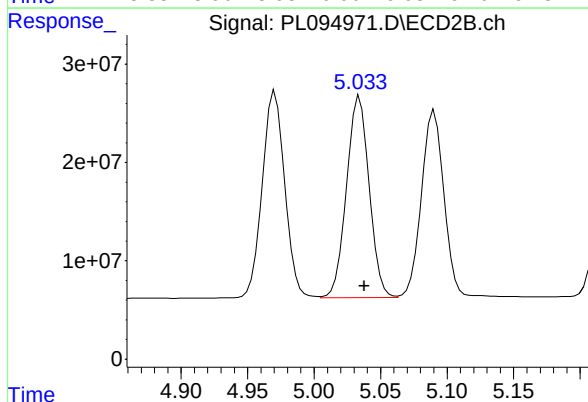
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.002 min
Response: 159861879
Conc: 48.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

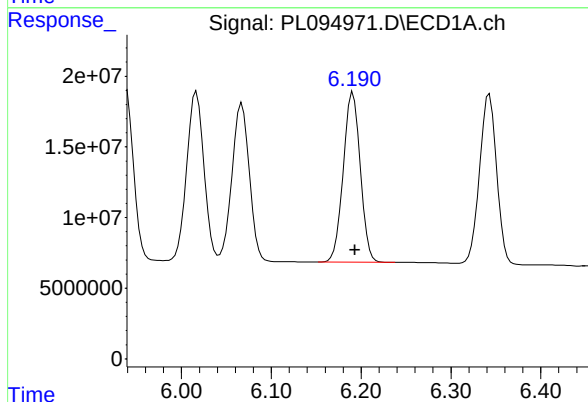
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



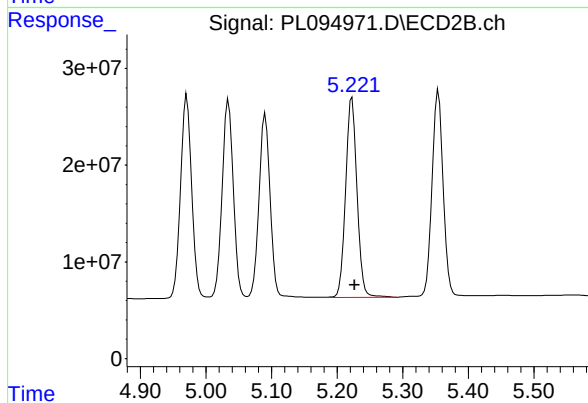
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 243573839
Conc: 51.03 ng/ml



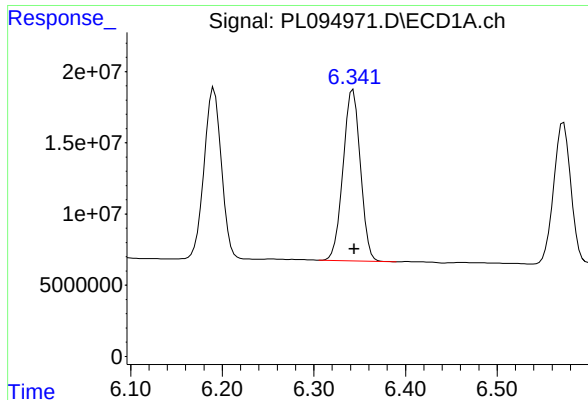
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 158077295
Conc: 53.73 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 250324484
Conc: 53.85 ng/ml



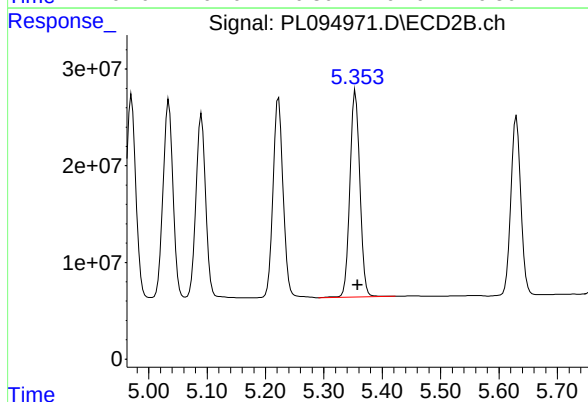
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 158524278
Conc: 49.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

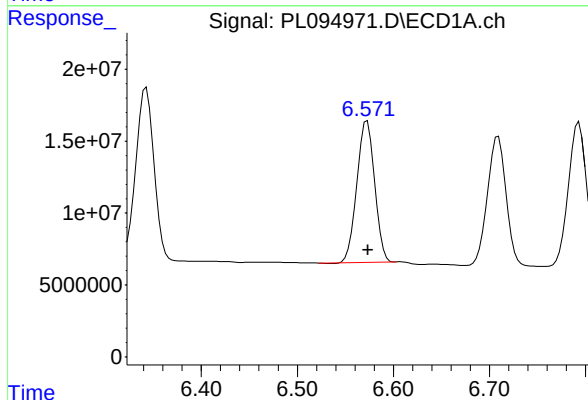
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



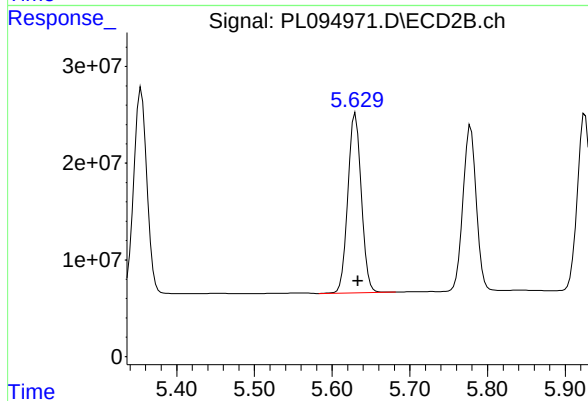
#13 Dieldrin

R.T.: 5.354 min
Delta R.T.: -0.004 min
Response: 251639030
Conc: 51.86 ng/ml



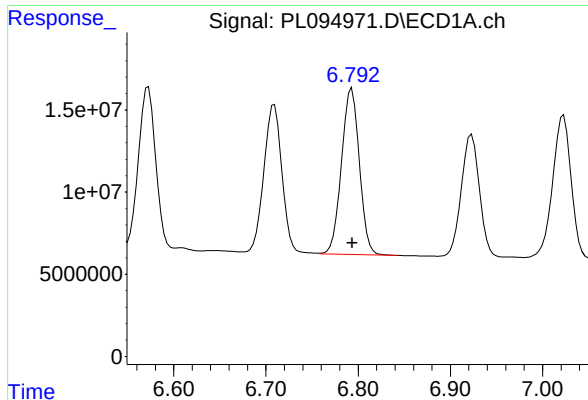
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 126677154
Conc: 45.70 ng/ml



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 222333598
Conc: 50.95 ng/ml



#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 135582544
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

#15 Endosulfan II

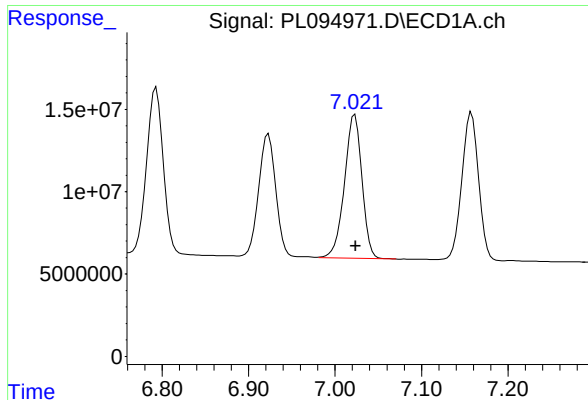
R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 223121854
Conc: 51.55 ng/ml

#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 122511226
Conc: 56.56 ng/ml

#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 202892557
Conc: 56.42 ng/ml



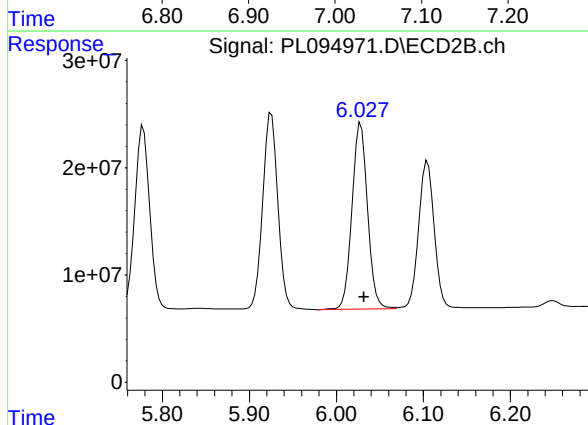
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.001 min
Response: 121605136
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

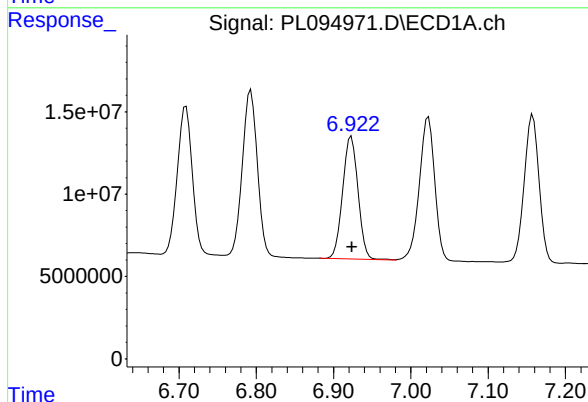
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



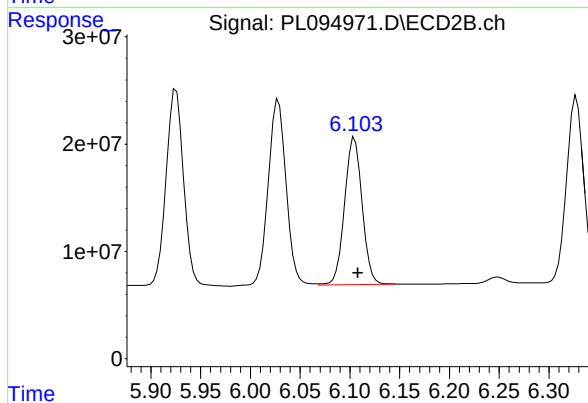
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.003 min
Response: 217138980
Conc: 53.85 ng/ml



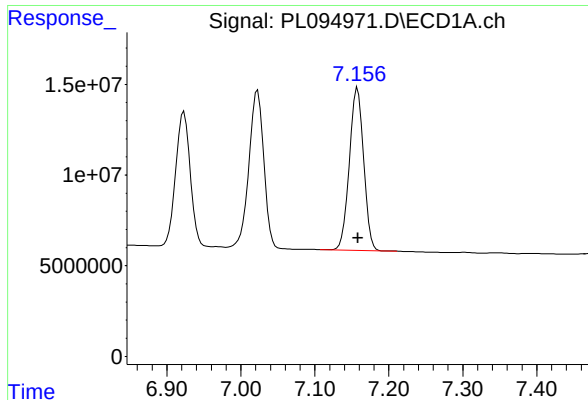
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 102021079
Conc: 48.33 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 168585507
Conc: 50.09 ng/ml



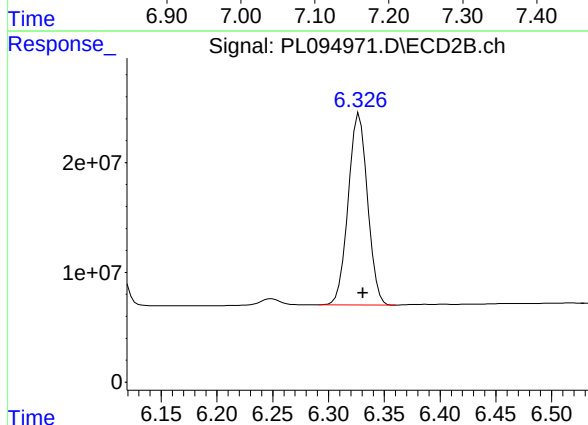
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 120009627
Conc: 49.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

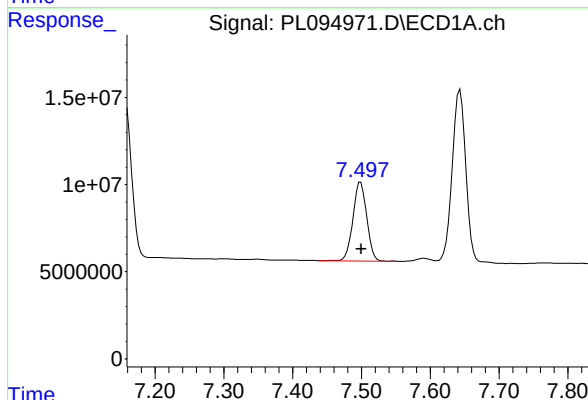
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



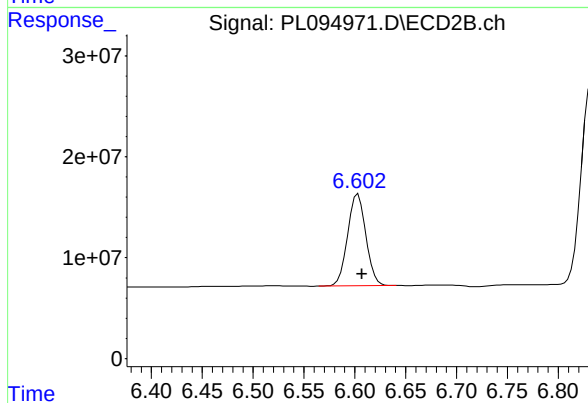
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 210360688
Conc: 51.64 ng/ml



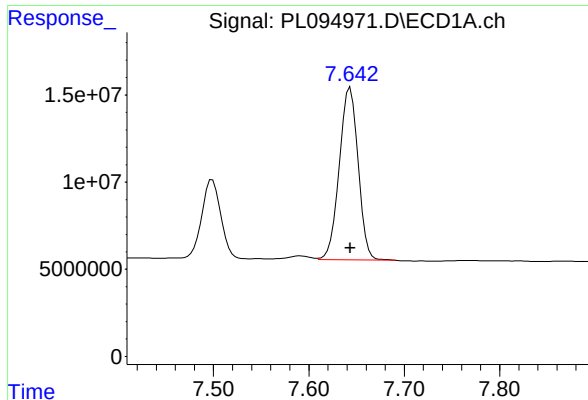
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 62887114
Conc: 52.53 ng/ml



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 113668129
Conc: 53.59 ng/ml m



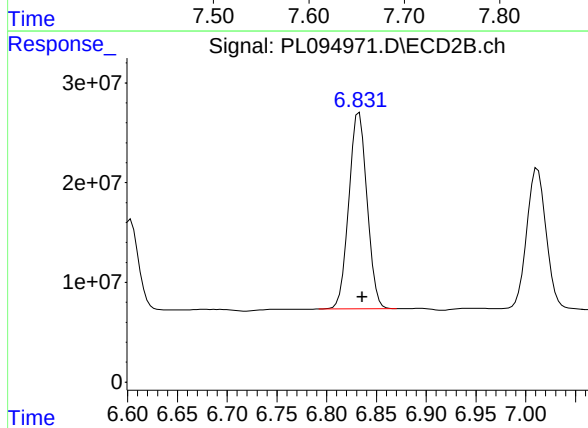
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 135537135
Conc: 51.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

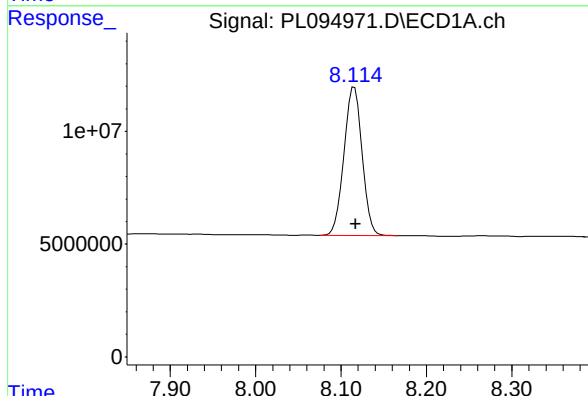
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



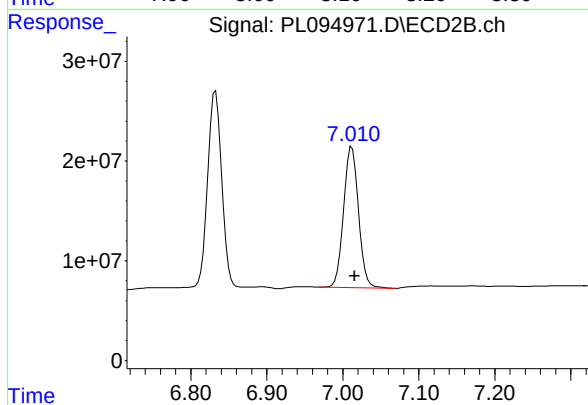
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 251001681
Conc: 52.59 ng/ml m



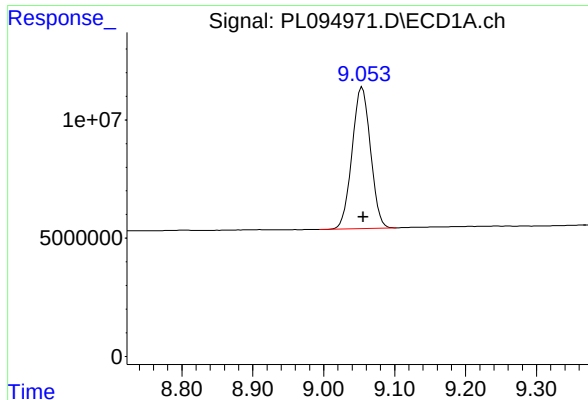
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 97290738
Conc: 47.08 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 192696878
Conc: 50.77 ng/ml



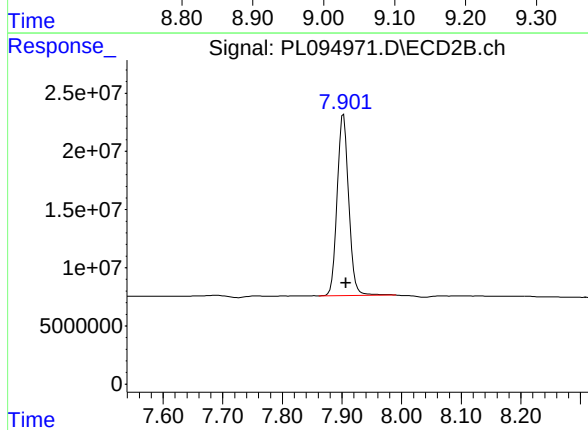
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 107539130
Conc: 51.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 210146597
Conc: 52.02 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 03/31/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 22:16 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



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 03/31/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 22:16 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	5.92	5.93	5.83	6.03	0.01
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	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL03 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094979.D Time Analyzed: 22:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.708	6.610	6.810	59.870	50.000	19.7
4,4'-DDE	6.190	6.093	6.293	56.420	50.000	12.8
4,4'-DDT	7.022	6.924	7.124	53.350	50.000	6.7
Aldrin	5.254	5.156	5.356	49.020	50.000	-2.0
alpha-BHC	3.992	3.894	4.094	49.870	50.000	-0.3
alpha-Chlordane	6.016	5.918	6.118	50.870	50.000	1.7
beta-BHC	4.524	4.425	4.625	49.370	50.000	-1.3
Decachlorobiphenyl	9.053	8.956	9.156	53.910	50.000	7.8
delta-BHC	4.770	4.673	4.873	51.270	50.000	2.5
Dieldrin	6.342	6.244	6.444	52.170	50.000	4.3
Endosulfan I	6.067	5.969	6.169	51.000	50.000	2.0
Endosulfan II	6.793	6.694	6.894	52.080	50.000	4.2
Endosulfan sulfate	7.157	7.059	7.259	51.900	50.000	3.8
Endrin	6.571	6.474	6.674	48.480	50.000	-3.0
Endrin aldehyde	6.923	6.824	7.024	50.900	50.000	1.8
Endrin ketone	7.642	7.544	7.744	54.110	50.000	8.2
gamma-BHC (Lindane)	4.323	4.227	4.427	49.990	50.000	0.0
gamma-Chlordane	5.937	5.840	6.040	50.420	50.000	0.8
Heptachlor	4.912	4.815	5.015	48.270	50.000	-3.5
Heptachlor epoxide	5.681	5.583	5.783	49.830	50.000	-0.3
Methoxychlor	7.498	7.400	7.600	54.810	50.000	9.6
Tetrachloro-m-xylene	3.536	3.438	3.638	49.670	50.000	-0.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL03 Date Analyzed: 03/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL094979.D Time Analyzed: 22:16

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.778	5.682	5.882	59.150	50.000	18.3
4,4'-DDE	5.221	5.127	5.327	55.120	50.000	10.2
4,4'-DDT	6.027	5.932	6.132	54.780	50.000	9.6
Aldrin	4.217	4.122	4.322	53.260	50.000	6.5
alpha-BHC	3.271	3.174	3.374	54.330	50.000	8.7
alpha-Chlordane	5.034	4.938	5.138	52.850	50.000	5.7
beta-BHC	3.901	3.805	4.005	54.030	50.000	8.1
Decachlorobiphenyl	7.902	7.807	8.007	54.080	50.000	8.2
delta-BHC	4.130	4.033	4.233	55.270	50.000	10.5
Dieldrin	5.352	5.258	5.458	53.230	50.000	6.5
Endosulfan I	5.090	4.994	5.194	51.310	50.000	2.6
Endosulfan II	5.924	5.829	6.029	53.550	50.000	7.1
Endosulfan sulfate	6.326	6.231	6.431	54.050	50.000	8.1
Endrin	5.628	5.534	5.734	52.120	50.000	4.2
Endrin aldehyde	6.104	6.008	6.208	52.000	50.000	4.0
Endrin ketone	6.830	6.736	6.936	56.390	50.000	12.8
gamma-BHC (Lindane)	3.601	3.504	3.704	53.830	50.000	7.7
gamma-Chlordane	4.970	4.874	5.074	53.190	50.000	6.4
Heptachlor	3.938	3.842	4.042	51.930	50.000	3.9
Heptachlor epoxide	4.718	4.625	4.825	52.940	50.000	5.9
Methoxychlor	6.603	6.507	6.707	55.440	50.000	10.9
Tetrachloro-m-xylene	2.769	2.672	2.872	53.570	50.000	7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094979.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 22:16
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:16:34 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	2.769	140.6E6	191.2E6	49.666	53.574
28) SA Decachlor...	9.053	7.902	113.6E6	218.5E6	53.908	54.081
Target Compounds						
2) A alpha-BHC	3.992	3.271	207.1E6	292.9E6	49.867	54.327
3) MA gamma-BHC...	4.323	3.601	199.5E6	276.6E6	49.994m	53.825
4) MA Heptachlor	4.912	3.938	187.4E6	273.6E6	48.267	51.932
5) MB Aldrin	5.254	4.217	181.0E6	259.7E6	49.020	53.263
6) B beta-BHC	4.524	3.901	91094520	120.0E6	49.368	54.034
7) B delta-BHC	4.770	4.130	199.7E6	276.5E6	51.268	55.268
8) B Heptachlo...	5.681	4.718	166.7E6	242.4E6	49.826	52.944m
9) A Endosulfan I	6.067	5.090	156.6E6	225.2E6	51.003	51.307
10) B gamma-Chl...	5.937	4.970	169.9E6	256.8E6	50.423	53.186
11) B alpha-Chl...	6.016	5.034	167.7E6	252.2E6	50.868	52.846
12) B 4,4'-DDE	6.190	5.221	166.0E6	256.2E6	56.418	55.116m
13) MA Dieldrin	6.342	5.352	166.8E6	258.3E6	52.166	53.228m
14) MA Endrin	6.571	5.628	134.4E6	227.4E6	48.476m	52.117m
15) B Endosulfa...	6.793	5.924	141.4E6	231.8E6	52.077	53.547
16) A 4,4'-DDD	6.708	5.778	129.7E6	212.7E6	59.871	59.149
17) MA 4,4'-DDT	7.022	6.027	126.9E6	220.9E6	53.346	54.777
18) B Endrin al...	6.923	6.104	107.5E6	175.0E6	50.903	51.999
19) B Endosulfa...	7.157	6.326	126.2E6	220.2E6	51.903	54.049
20) A Methoxychlor	7.498	6.603	65607791	117.6E6	54.807	55.439
21) B Endrin ke...	7.642	6.830	143.0E6	269.1E6	54.107	56.391m
22) Mirex	8.115	7.009	103.0E6	198.4E6	49.828	52.277m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 22:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

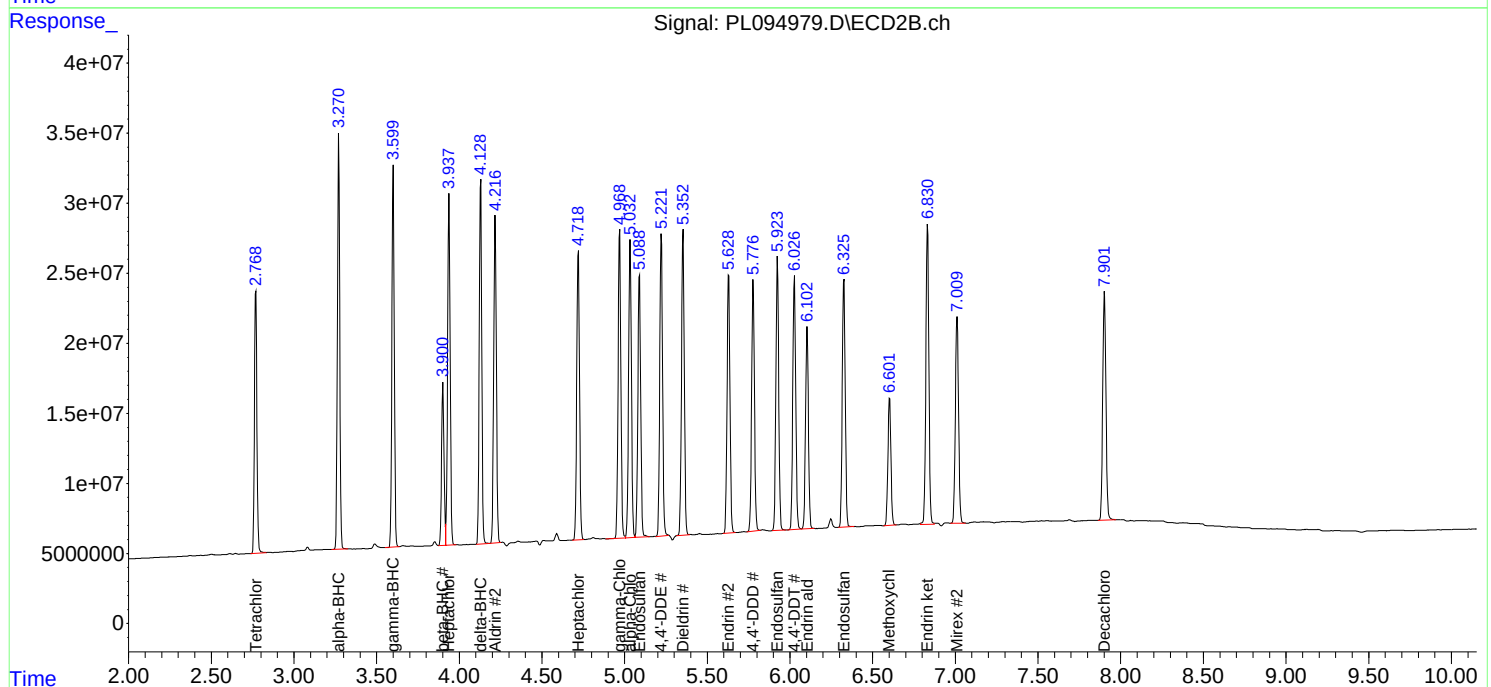
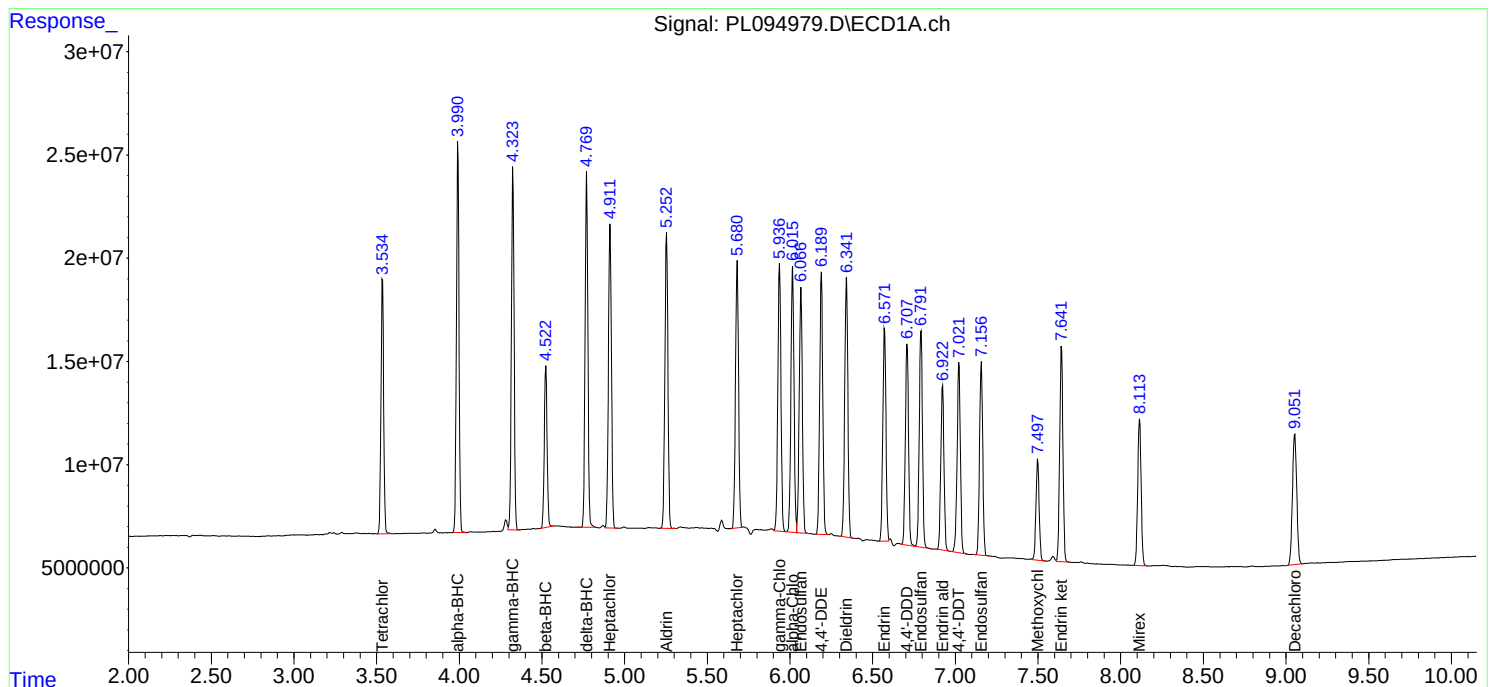
APPROVED

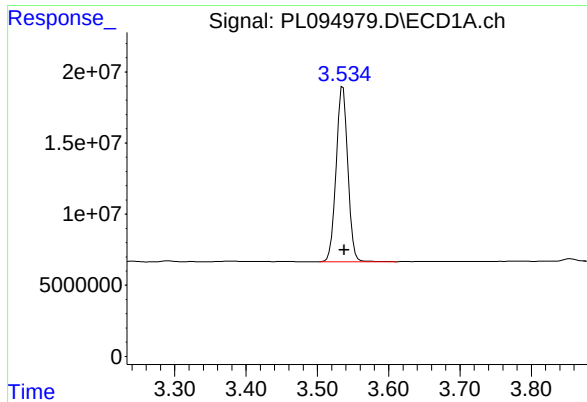
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:34 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: 140587125
Conc: 49.67 ng/ml

Instrument :

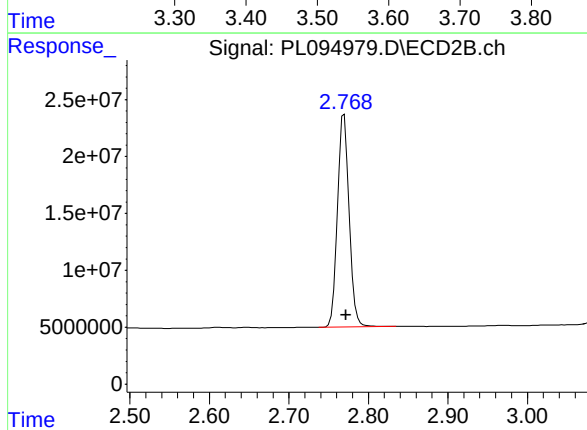
ECD_L

ClientSampleId :

PSTDCCC050

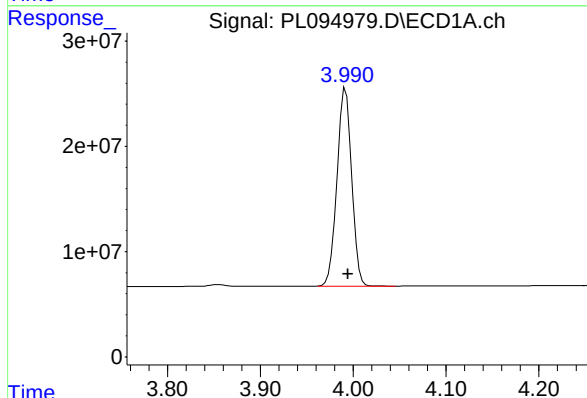
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



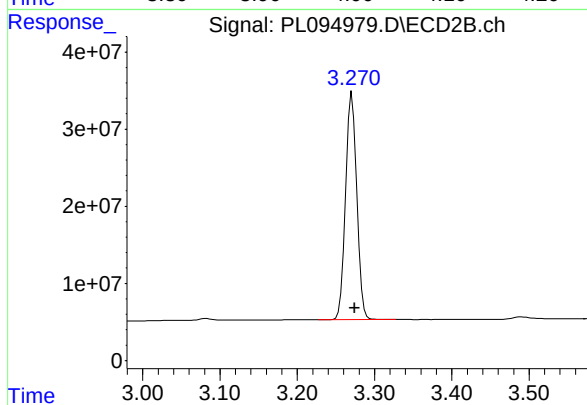
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.002 min
Response: 191219336
Conc: 53.57 ng/ml



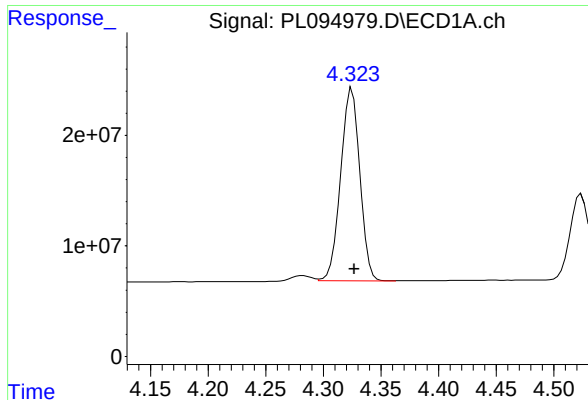
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 207063061
Conc: 49.87 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 292897100
Conc: 54.33 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 199488327
Conc: 49.99 ng/ml

Instrument :

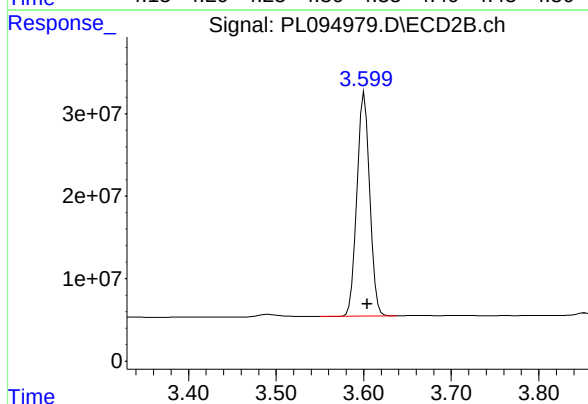
ECD_L

ClientSampleId :

PSTDCCC050

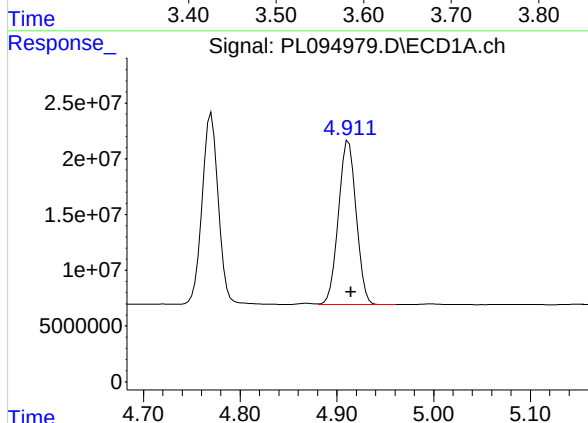
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



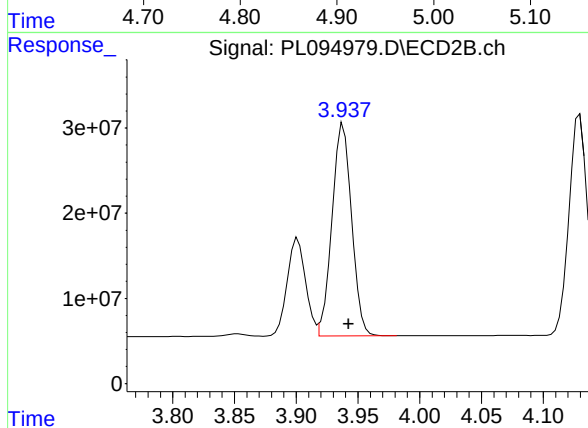
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.004 min
Response: 276632729
Conc: 53.83 ng/ml



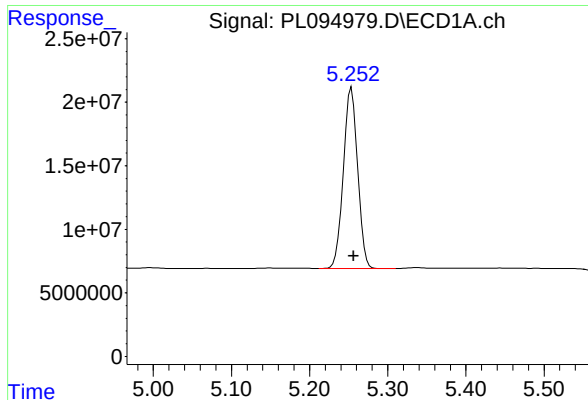
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 187352768
Conc: 48.27 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.004 min
Response: 273612637
Conc: 51.93 ng/ml



#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.003 min
Response: 180993470
Conc: 49.02 ng/ml

Instrument :

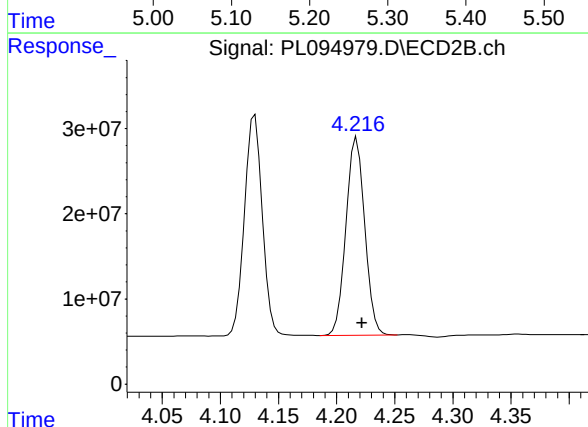
ECD_L

ClientSampleId :

PSTDCCC050

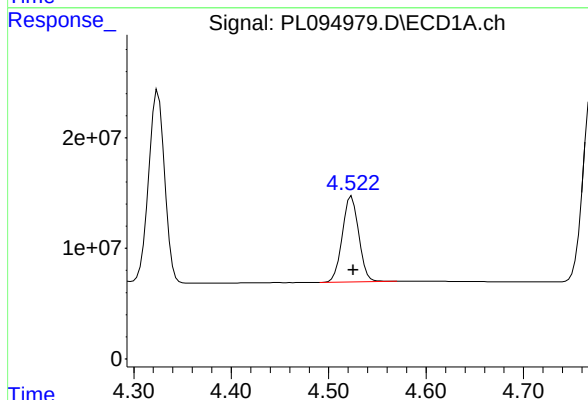
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



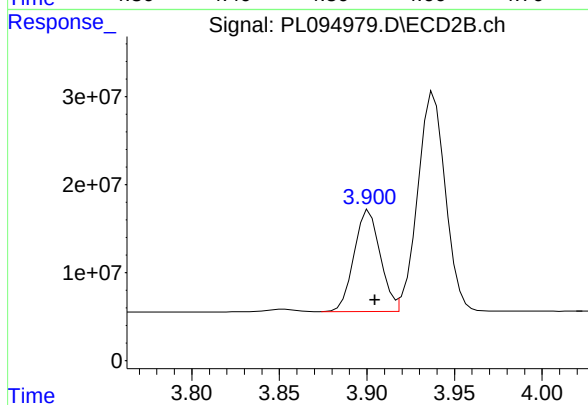
#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.004 min
Response: 259729291
Conc: 53.26 ng/ml



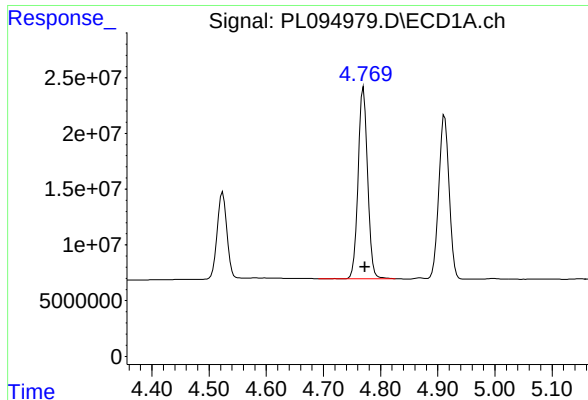
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.002 min
Response: 91094520
Conc: 49.37 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.003 min
Response: 120024383
Conc: 54.03 ng/ml



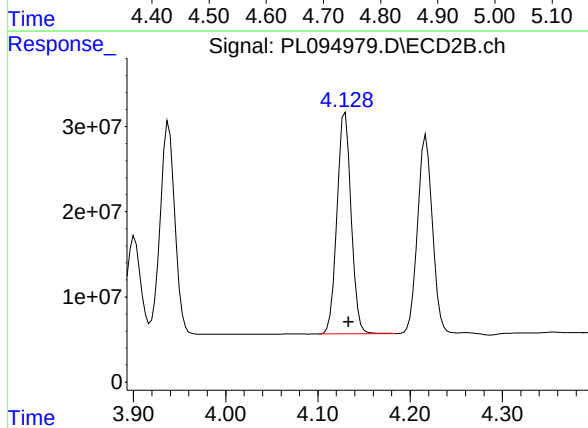
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 199654653
Conc: 51.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

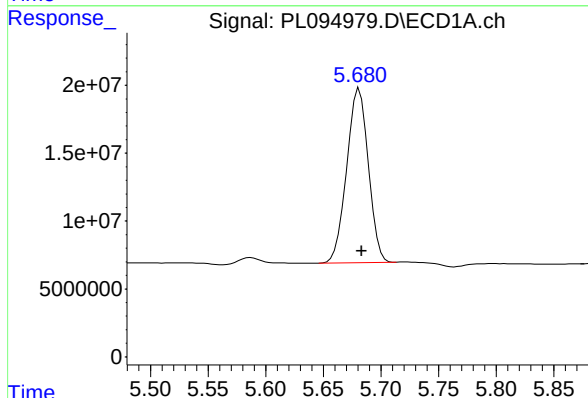
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



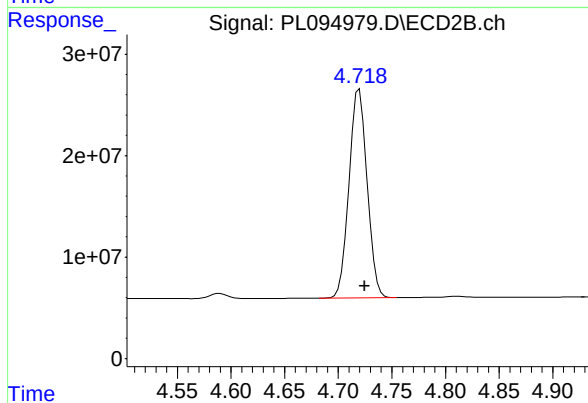
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.004 min
Response: 276450776
Conc: 55.27 ng/ml



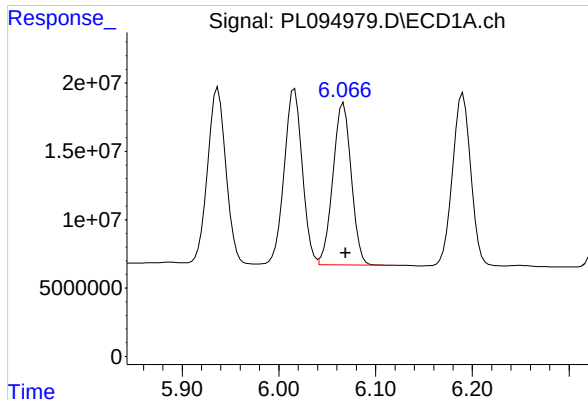
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 166677333
Conc: 49.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min
Delta R.T.: -0.006 min
Response: 242406413
Conc: 52.94 ng/ml m



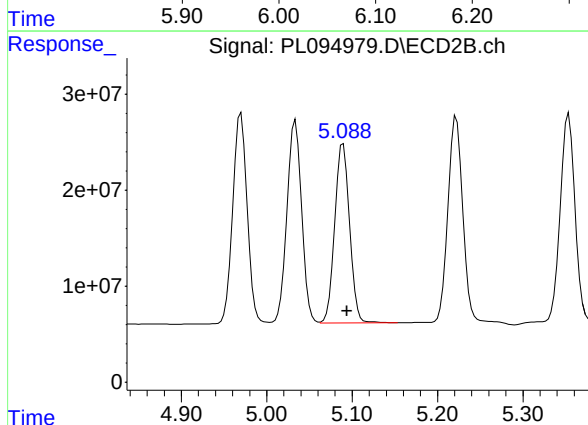
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.002 min
Response: 156588622
Conc: 51.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

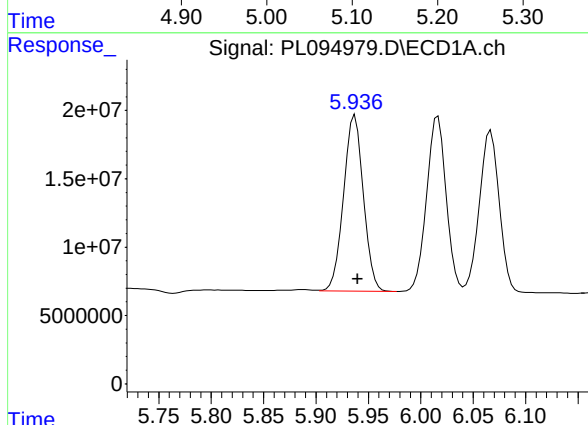
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



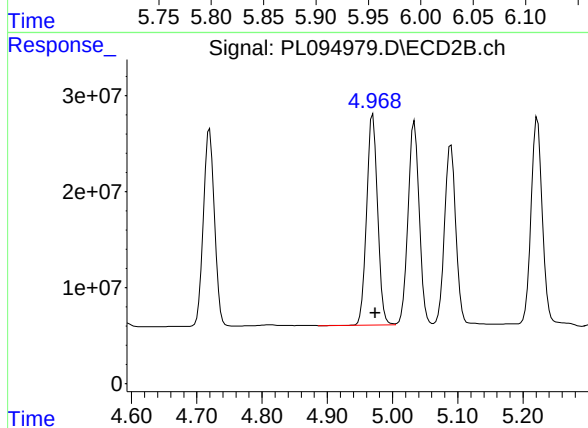
#9 Endosulfan I

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 225174013
Conc: 51.31 ng/ml



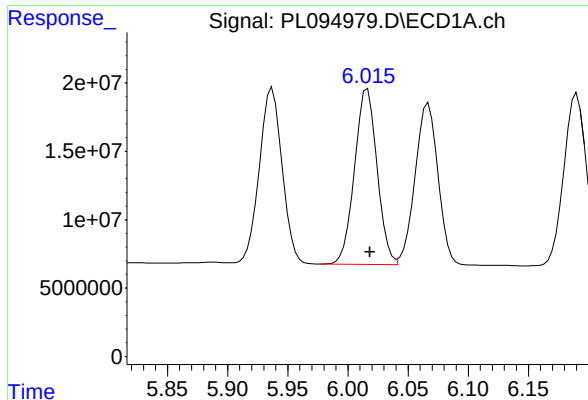
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 169893838
Conc: 50.42 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 256805816
Conc: 53.19 ng/ml



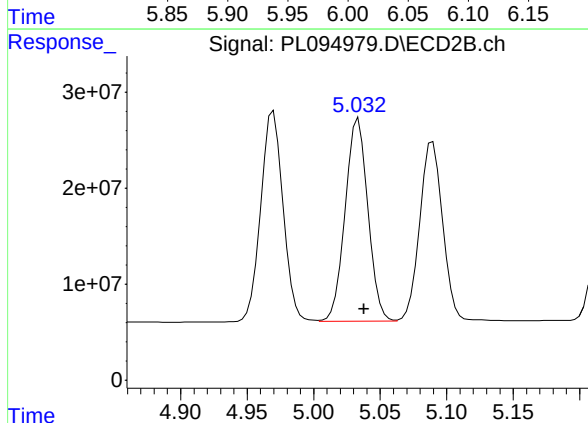
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 167703501
Conc: 50.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

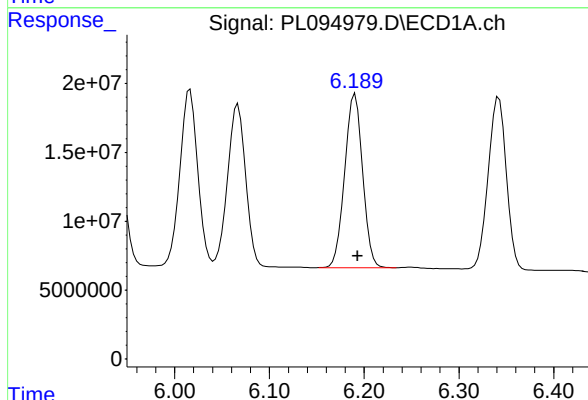
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



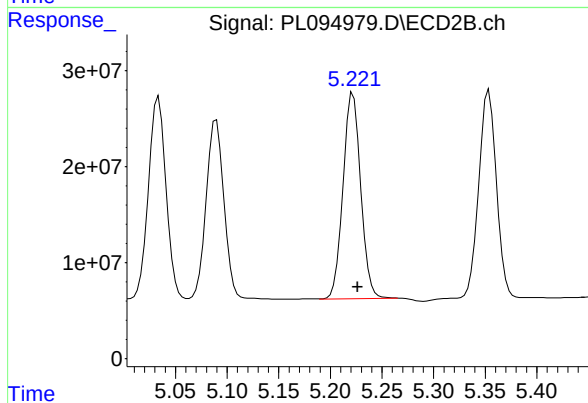
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.004 min
Response: 252220056
Conc: 52.85 ng/ml



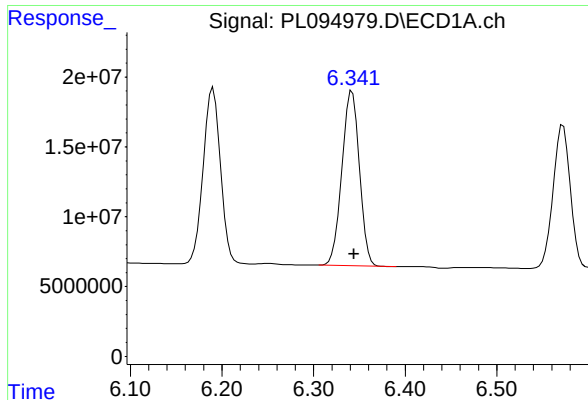
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 165983955
Conc: 56.42 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 256208583
Conc: 55.12 ng/ml m



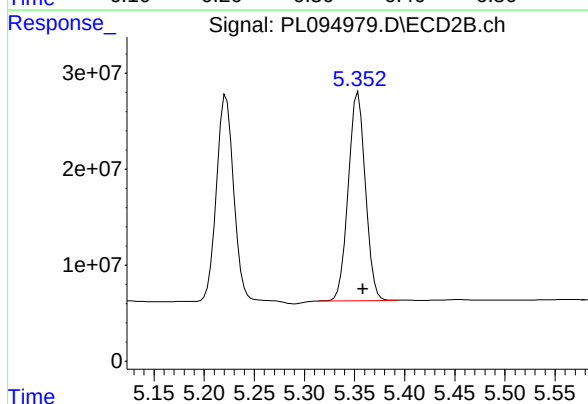
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 166833913
Conc: 52.17 ng/ml m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

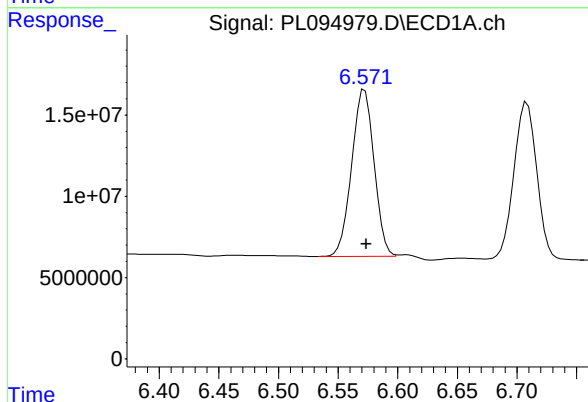
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



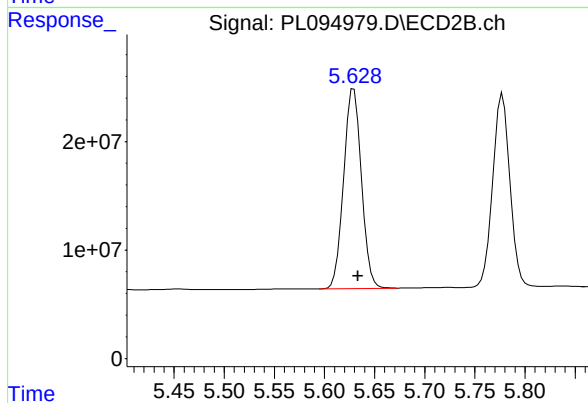
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 258253557
Conc: 53.23 ng/ml m



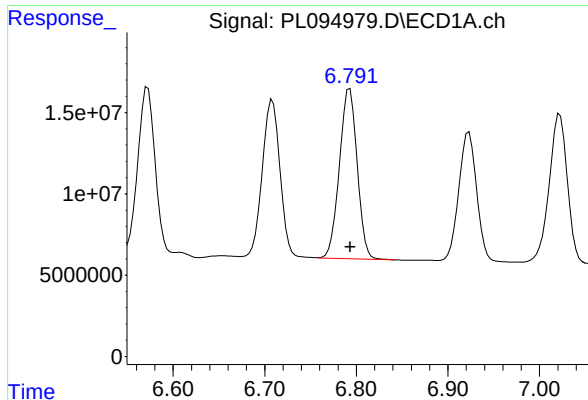
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 134378348
Conc: 48.48 ng/ml m



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 227421460
Conc: 52.12 ng/ml m



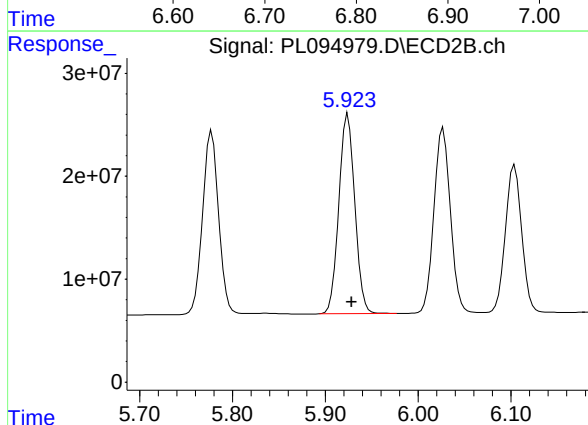
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 141375329
Conc: 52.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

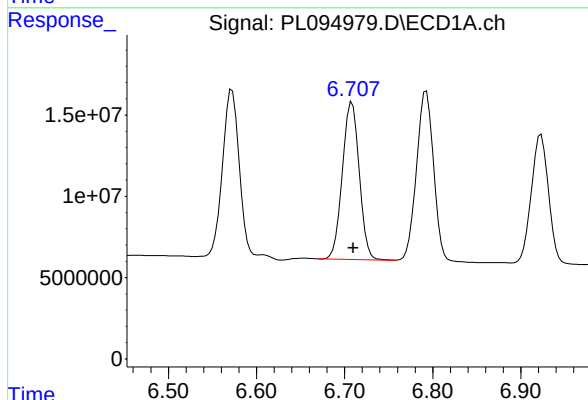
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



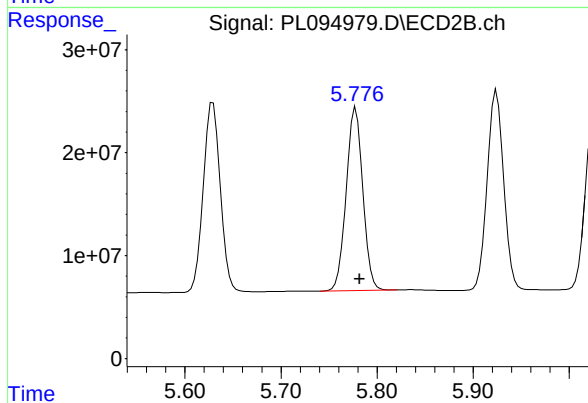
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.004 min
Response: 231767182
Conc: 53.55 ng/ml



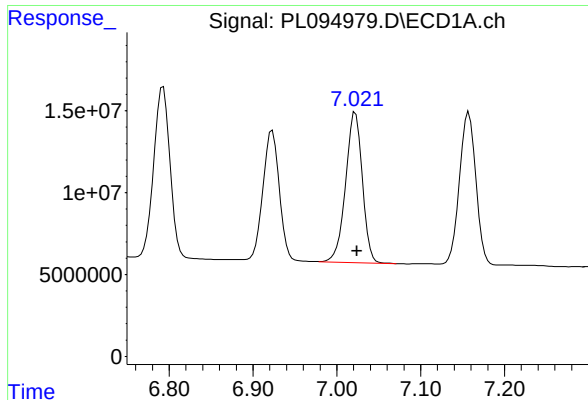
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 129685685
Conc: 59.87 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 212693557
Conc: 59.15 ng/ml



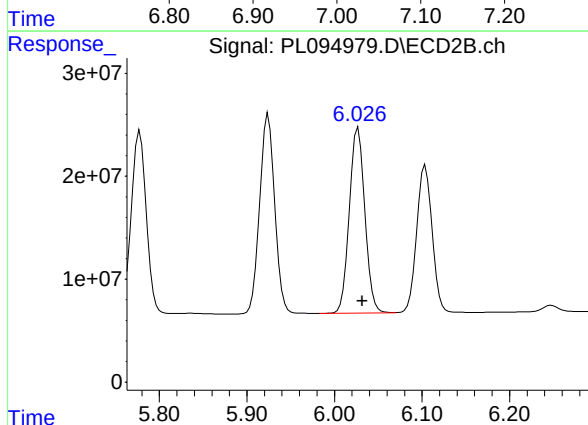
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 126885044
Conc: 53.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

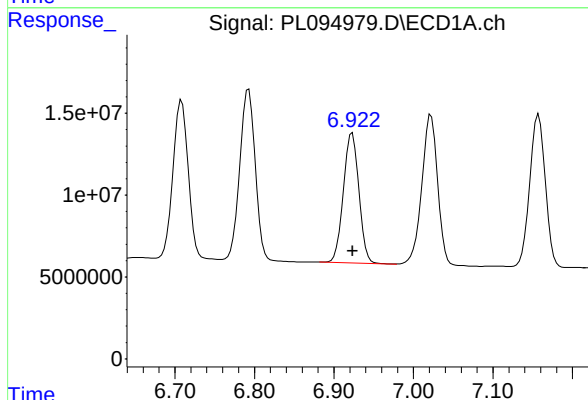
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



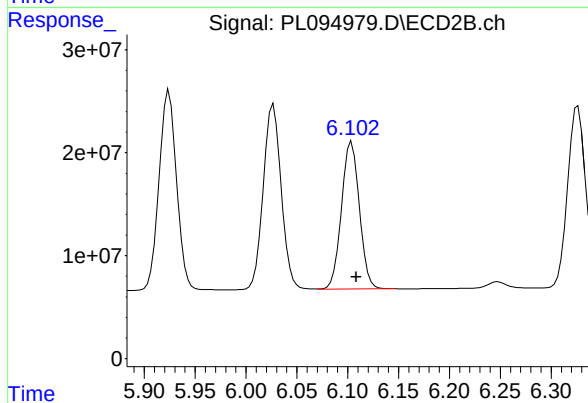
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.005 min
Response: 220868674
Conc: 54.78 ng/ml



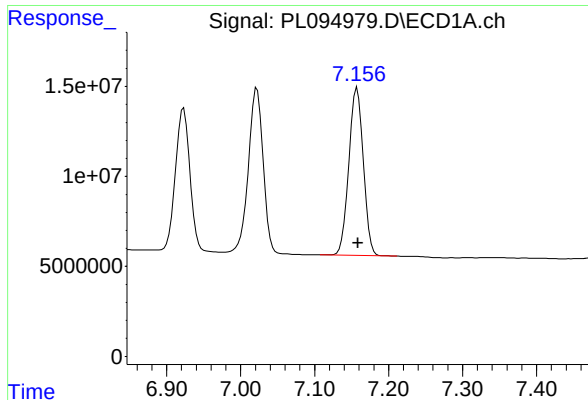
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 107455317
Conc: 50.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 174995599
Conc: 52.00 ng/ml



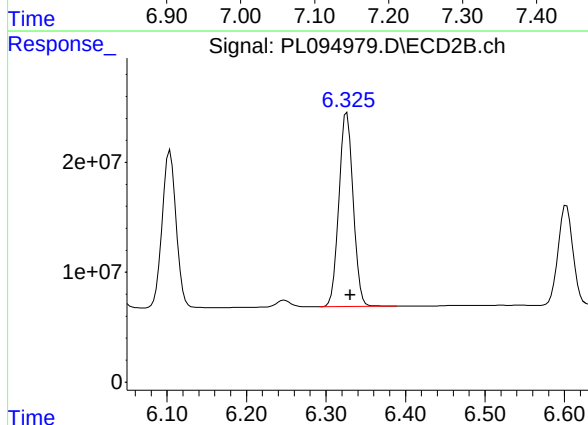
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.001 min
Response: 126228591
Conc: 51.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

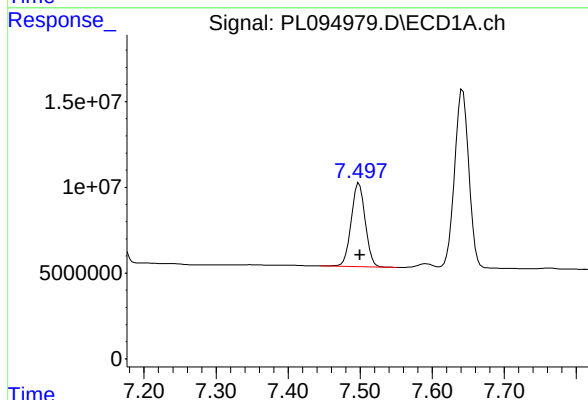
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



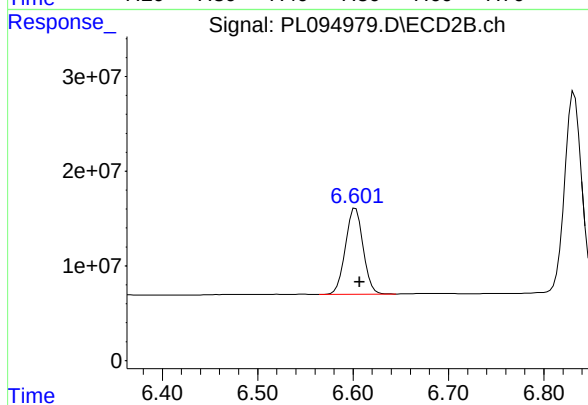
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.004 min
Response: 220164652
Conc: 54.05 ng/ml



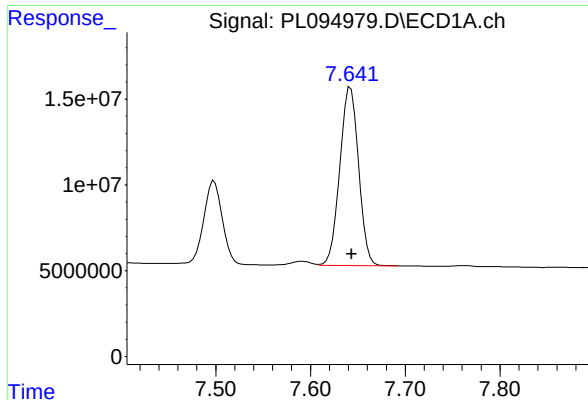
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.001 min
Response: 65607791
Conc: 54.81 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 117589830
Conc: 55.44 ng/ml



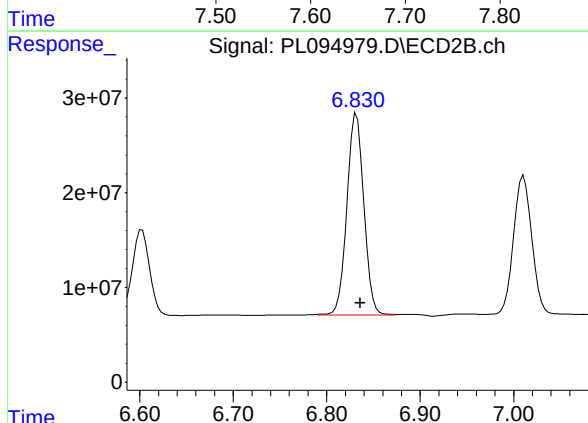
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.001 min
Response: 143019403
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

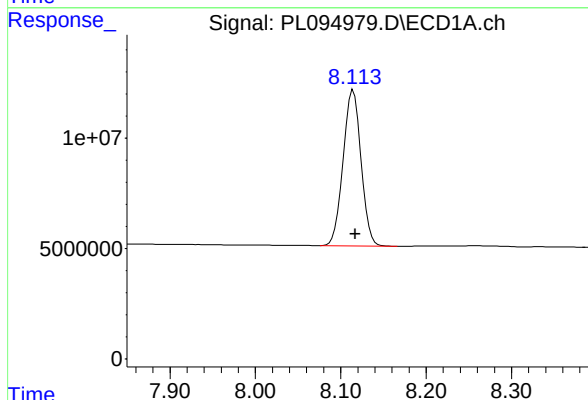
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



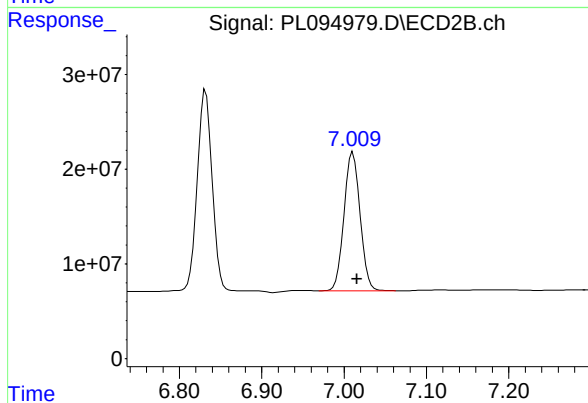
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 269130795
Conc: 56.39 ng/ml



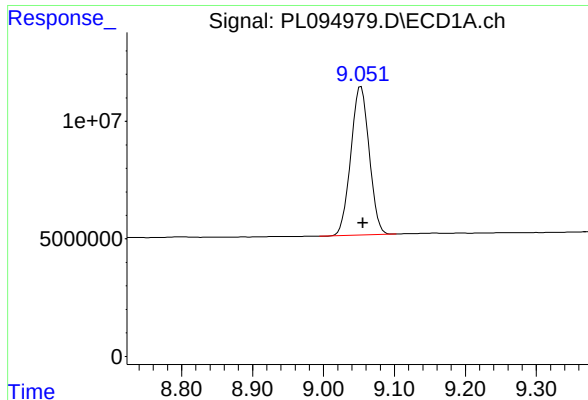
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 102957867
Conc: 49.83 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.006 min
Response: 198407994
Conc: 52.28 ng/ml



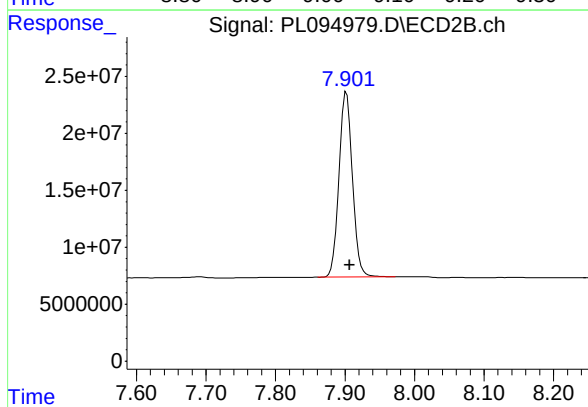
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 113609758
Conc: 53.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 218451765
Conc: 54.08 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 10:58 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	4.53	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	4.91	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: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 10:58 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	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL04 Date Analyzed: 04/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095029.D Time Analyzed: 10:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.610	6.810	58.460	50.000	16.9
4,4'-DDE	6.190	6.093	6.293	56.530	50.000	13.1
4,4'-DDT	7.021	6.924	7.124	55.910	50.000	11.8
Aldrin	5.255	5.156	5.356	49.660	50.000	-0.7
alpha-BHC	3.993	3.894	4.094	50.630	50.000	1.3
alpha-Chlordane	6.017	5.918	6.118	51.170	50.000	2.3
beta-BHC	4.525	4.425	4.625	49.770	50.000	-0.5
Decachlorobiphenyl	9.053	8.956	9.156	55.390	50.000	10.8
delta-BHC	4.772	4.673	4.873	51.540	50.000	3.1
Dieldrin	6.343	6.244	6.444	51.730	50.000	3.5
Endosulfan I	6.068	5.969	6.169	51.300	50.000	2.6
Endosulfan II	6.793	6.694	6.894	51.820	50.000	3.6
Endosulfan sulfate	7.157	7.059	7.259	51.340	50.000	2.7
Endrin	6.571	6.474	6.674	49.520	50.000	-1.0
Endrin aldehyde	6.923	6.824	7.024	52.060	50.000	4.1
Endrin ketone	7.642	7.544	7.744	52.630	50.000	5.3
gamma-BHC (Lindane)	4.326	4.227	4.427	50.690	50.000	1.4
gamma-Chlordane	5.939	5.840	6.040	50.540	50.000	1.1
Heptachlor	4.914	4.815	5.015	49.560	50.000	-0.9
Heptachlor epoxide	5.682	5.583	5.783	49.750	50.000	-0.5
Methoxychlor	7.499	7.400	7.600	56.610	50.000	13.2
Tetrachloro-m-xylene	3.537	3.438	3.638	50.610	50.000	1.2



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL04 Date Analyzed: 04/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095029.D Time Analyzed: 10:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.778	5.682	5.882	58.070	50.000	16.1
4,4'-DDE	5.221	5.127	5.327	55.790	50.000	11.6
4,4'-DDT	6.028	5.932	6.132	56.180	50.000	12.4
Aldrin	4.219	4.122	4.322	53.650	50.000	7.3
alpha-BHC	3.272	3.174	3.374	55.060	50.000	10.1
alpha-Chlordane	5.034	4.938	5.138	52.960	50.000	5.9
beta-BHC	3.902	3.805	4.005	54.900	50.000	9.8
Decachlorobiphenyl	7.902	7.807	8.007	51.250	50.000	2.5
delta-BHC	4.130	4.033	4.233	55.930	50.000	11.9
Dieldrin	5.353	5.258	5.458	53.430	50.000	6.9
Endosulfan I	5.091	4.994	5.194	49.580	50.000	-0.8
Endosulfan II	5.925	5.829	6.029	52.990	50.000	6.0
Endosulfan sulfate	6.327	6.231	6.431	53.220	50.000	6.4
Endrin	5.631	5.534	5.734	53.200	50.000	6.4
Endrin aldehyde	6.104	6.008	6.208	51.880	50.000	3.8
Endrin ketone	6.831	6.736	6.936	55.290	50.000	10.6
gamma-BHC (Lindane)	3.602	3.504	3.704	54.590	50.000	9.2
gamma-Chlordane	4.971	4.874	5.074	53.380	50.000	6.8
Heptachlor	3.939	3.842	4.042	52.900	50.000	5.8
Heptachlor epoxide	4.721	4.625	4.825	53.000	50.000	6.0
Methoxychlor	6.603	6.507	6.707	56.430	50.000	12.9
Tetrachloro-m-xylene	2.770	2.672	2.872	54.160	50.000	8.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
 Data File : PL095029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 10:58
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 02:34:18 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	143.3E6	193.3E6	50.608	54.156
28)	SA Decachlor...	9.053	7.902	116.7E6	207.0E6	55.394	51.248
Target Compounds							
2)	A alpha-BHC	3.993	3.272	210.2E6	296.9E6	50.634	55.061
3)	MA gamma-BHC...	4.326	3.602	202.3E6	280.6E6	50.688	54.588
4)	MA Heptachlor	4.914	3.939	192.4E6	278.7E6	49.564	52.900
5)	MB Aldrin	5.255	4.219	183.4E6	261.6E6	49.663	53.654
6)	B beta-BHC	4.525	3.902	91830788	121.9E6	49.767	54.898
7)	B delta-BHC	4.772	4.130	200.7E6	279.8E6	51.539	55.930
8)	B Heptachlo...	5.682	4.721	166.4E6	242.6E6	49.745	52.996
9)	A Endosulfan I	6.068	5.091	157.5E6	217.6E6	51.297	49.575
10)	B gamma-Chl...	5.939	4.971	170.3E6	257.8E6	50.535	53.382
11)	B alpha-Chl...	6.017	5.034	168.7E6	252.8E6	51.173	52.959
12)	B 4,4'-DDE	6.190	5.221	166.3E6	259.3E6	56.527	55.786m
13)	MA Dieldrin	6.343	5.353	165.5E6	259.2E6	51.734	53.430m
14)	MA Endrin	6.571	5.631	137.3E6	232.2E6	49.520m	53.202
15)	B Endosulfa...	6.793	5.925	140.7E6	229.3E6	51.815	52.986
16)	A 4,4'-DDD	6.709	5.778	126.6E6	208.8E6	58.458	58.075
17)	MA 4,4'-DDT	7.021	6.028	133.0E6	226.5E6	55.914	56.180
18)	B Endrin al...	6.923	6.104	109.9E6	174.6E6	52.056	51.881
19)	B Endosulfa...	7.157	6.327	124.9E6	216.8E6	51.343	53.218
20)	A Methoxychlor	7.499	6.603	67770276	119.7E6	56.613	56.427
21)	B Endrin ke...	7.642	6.831	139.1E6	263.9E6	52.635	55.290m
22)	Mirex	8.114	7.012	100.7E6	193.6E6	48.733	51.008

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 10:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

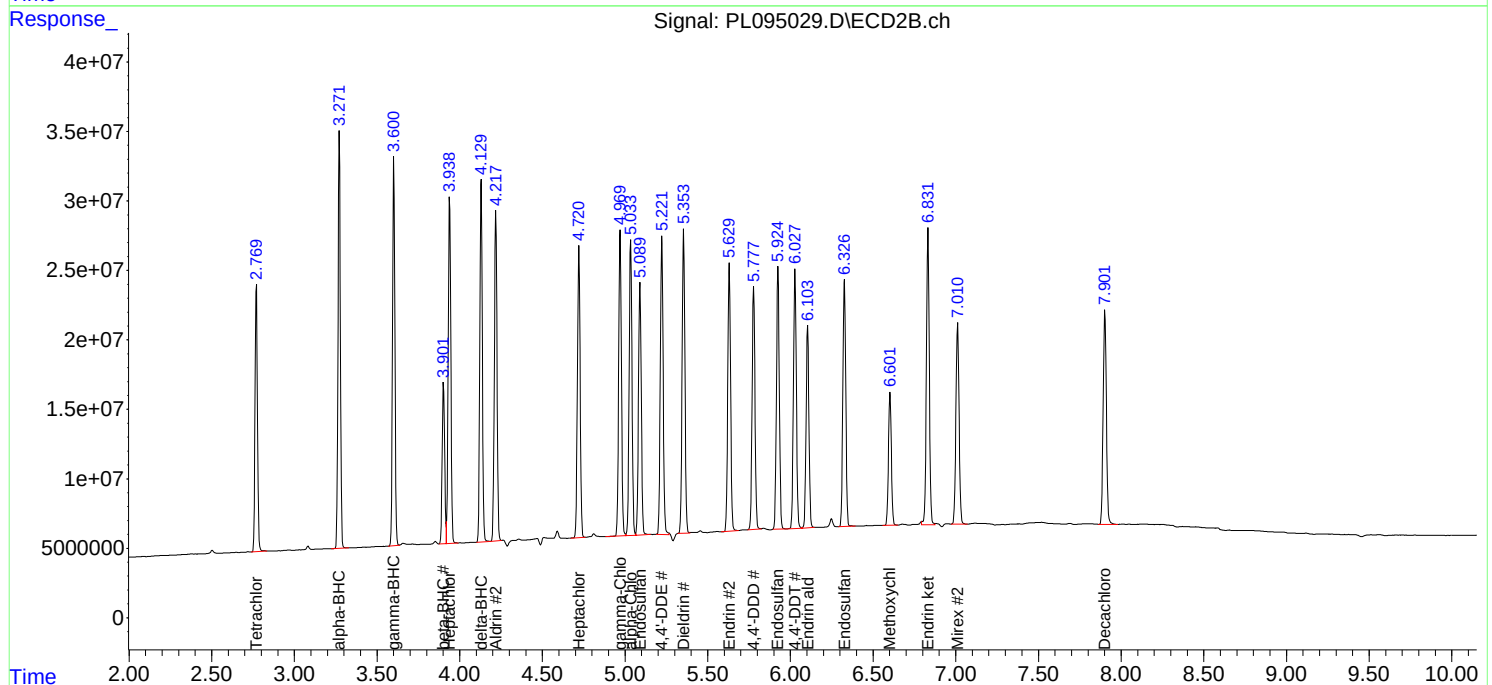
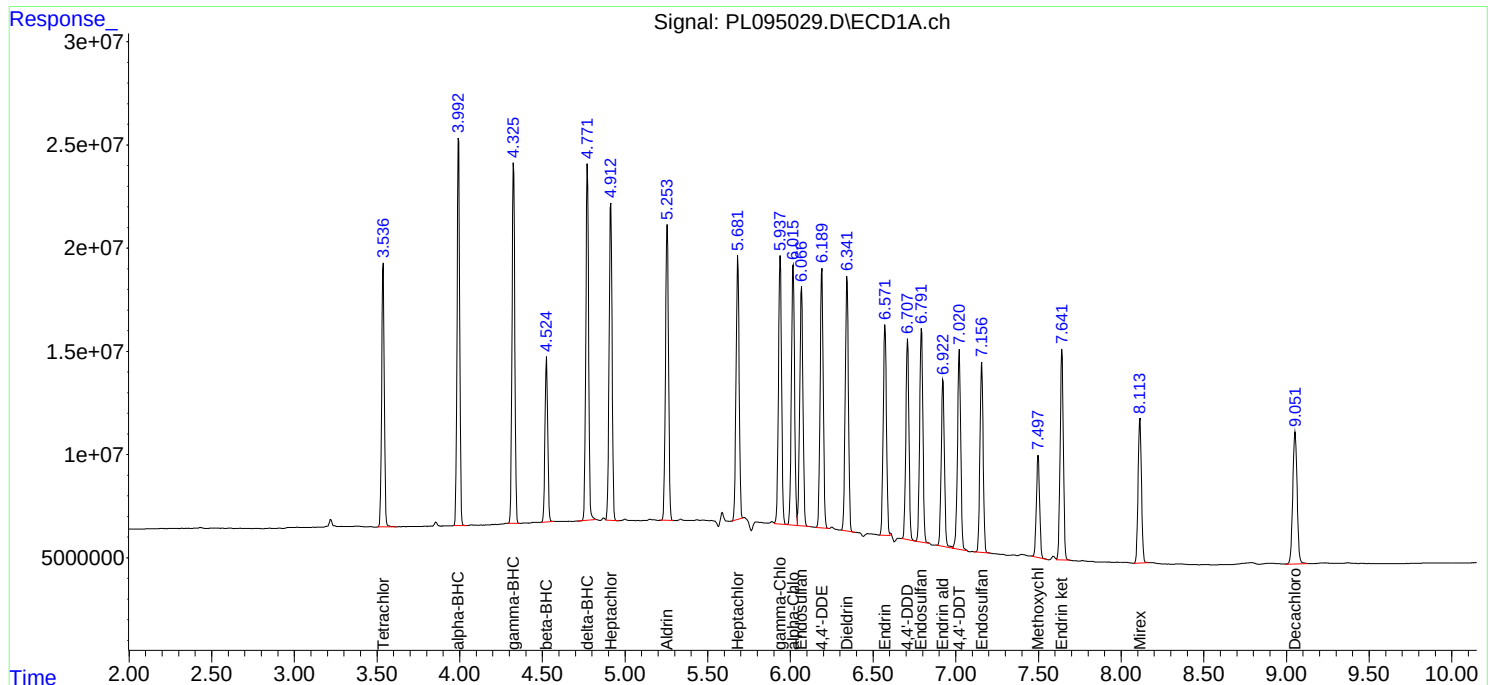
APPROVED

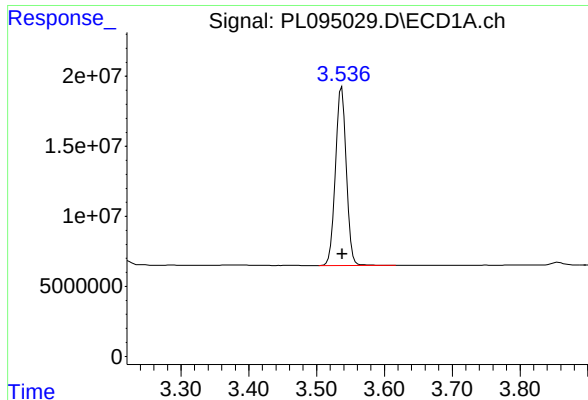
Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:34:18 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





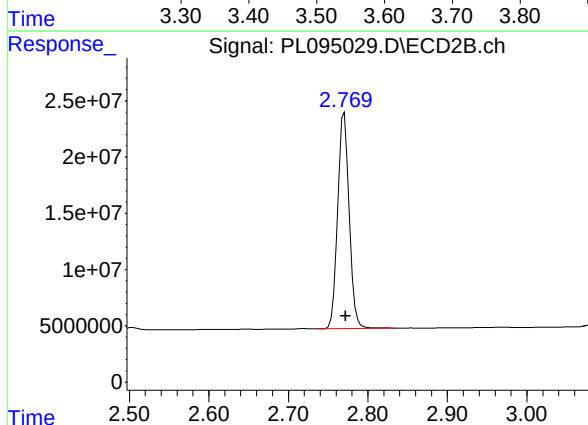
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 143254824
Conc: 50.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

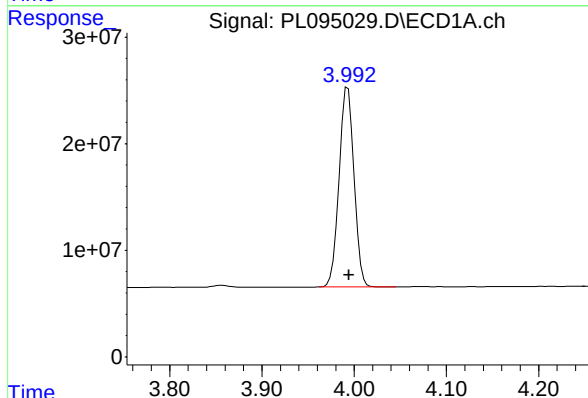
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



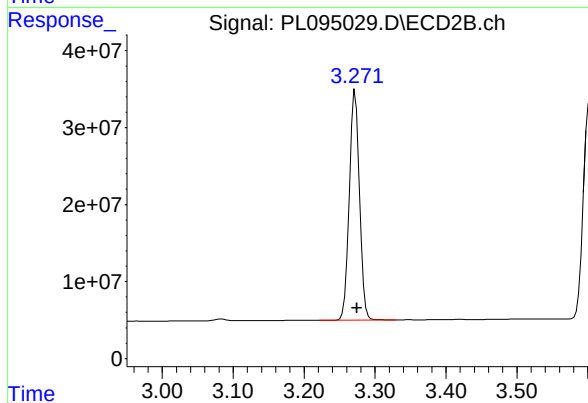
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 193298553
Conc: 54.16 ng/ml



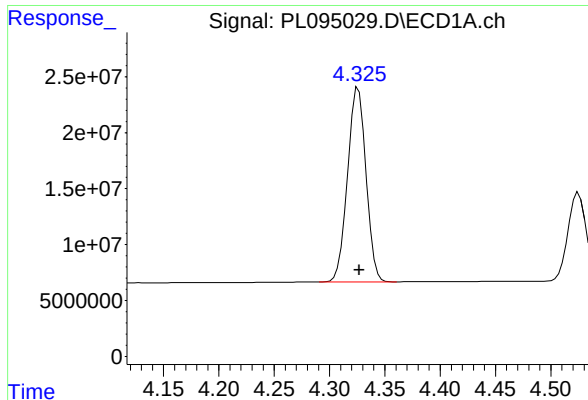
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 210247967
Conc: 50.63 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 296855785
Conc: 55.06 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 202258568
Conc: 50.69 ng/ml

Instrument :

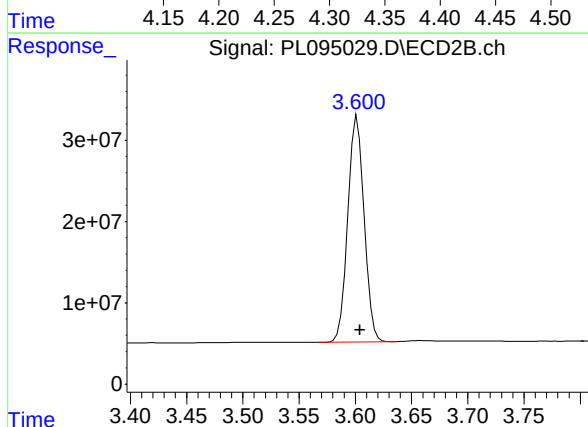
ECD_L

ClientSampleId :

PSTDCCC050

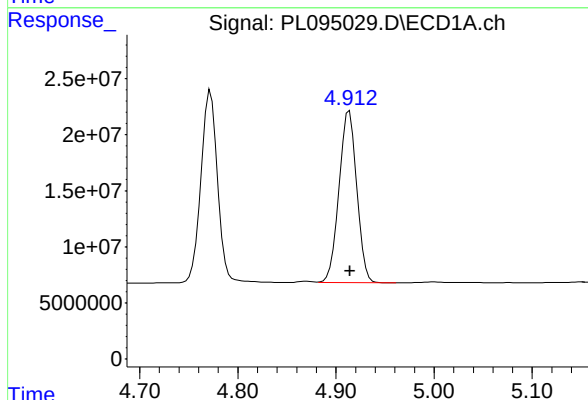
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



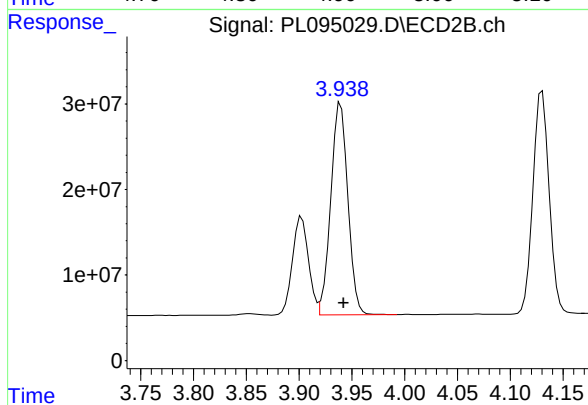
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 280550881
Conc: 54.59 ng/ml



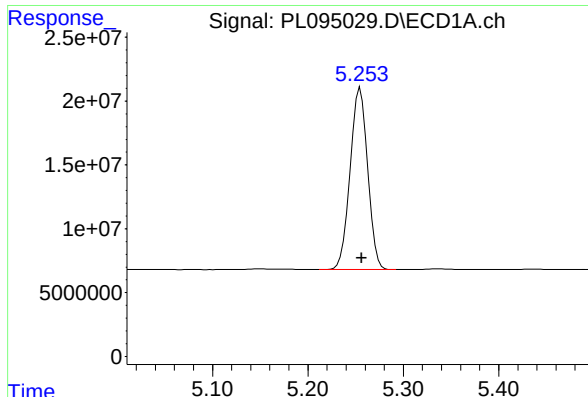
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 192387656
Conc: 49.56 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 278713813
Conc: 52.90 ng/ml



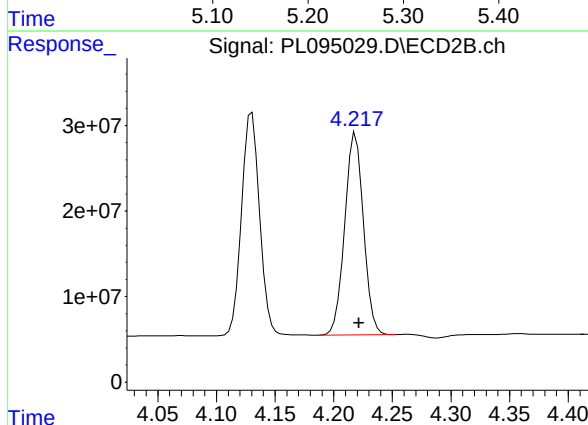
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 183367560
Conc: 49.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

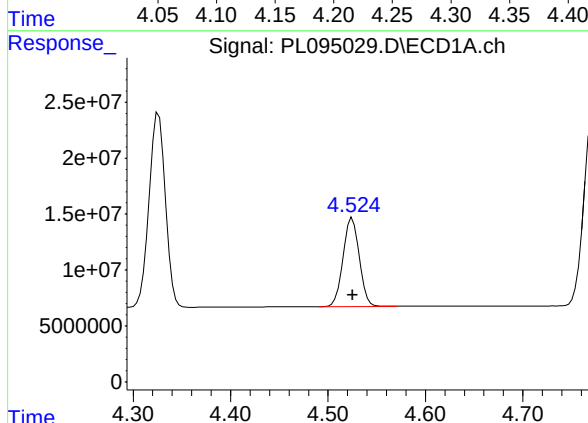
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



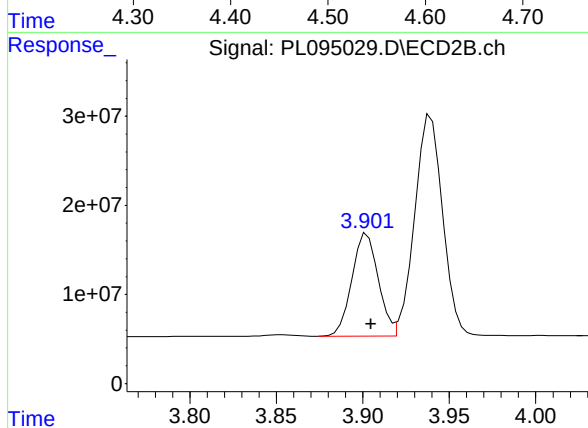
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 261636768
Conc: 53.65 ng/ml



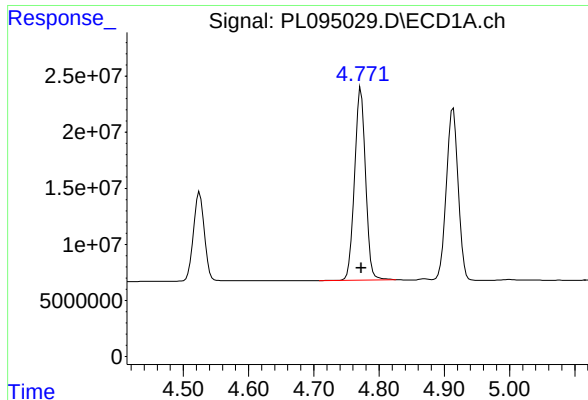
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 91830788
Conc: 49.77 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 121944208
Conc: 54.90 ng/ml



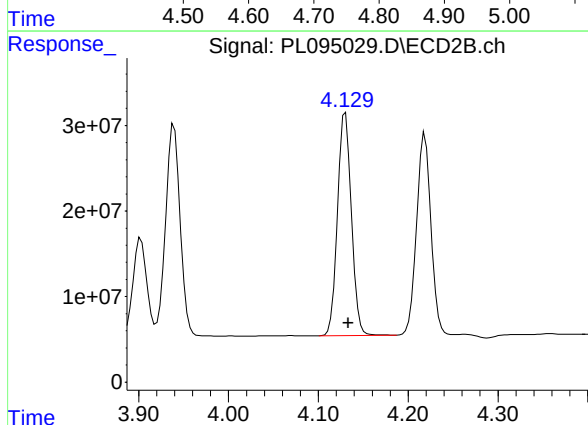
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 200708371
Conc: 51.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

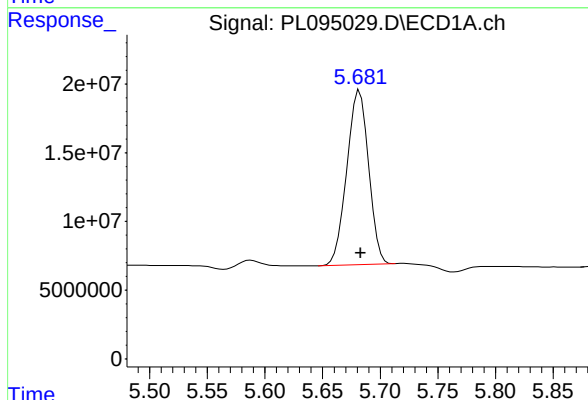
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



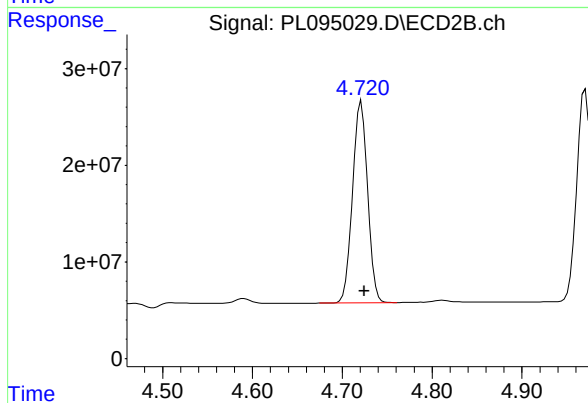
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 279761692
Conc: 55.93 ng/ml



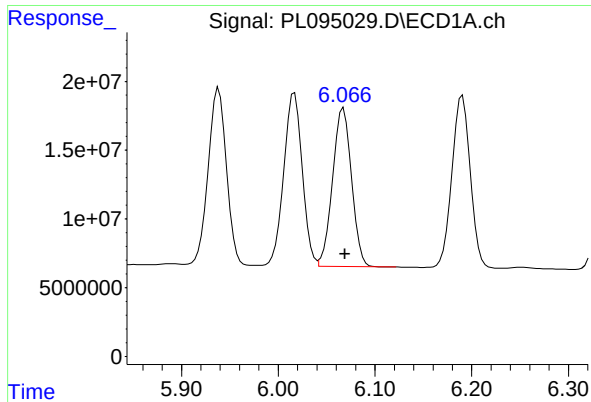
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 166407872
Conc: 49.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.003 min
Response: 242645189
Conc: 53.00 ng/ml



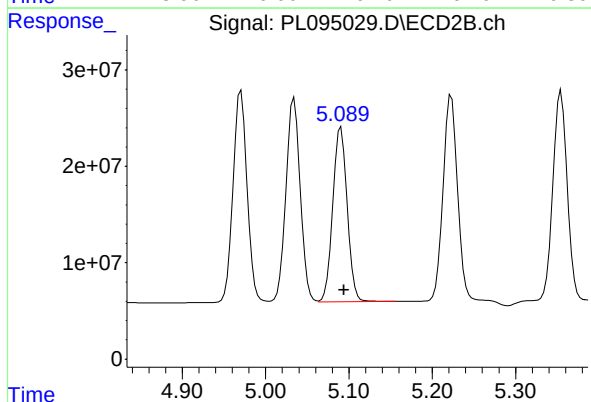
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 157493793
Conc: 51.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

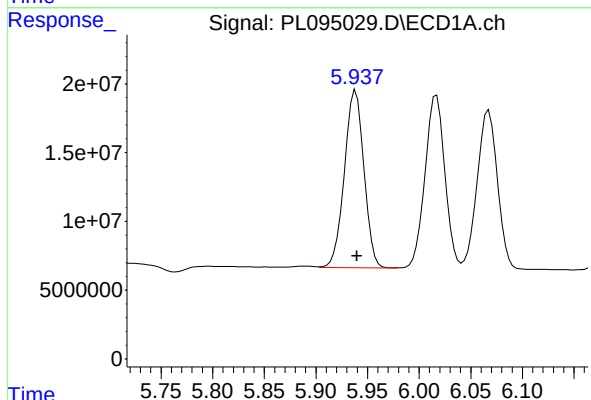
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



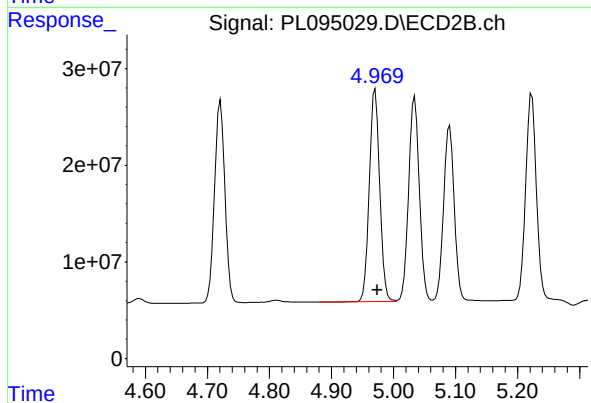
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 217573524
Conc: 49.58 ng/ml



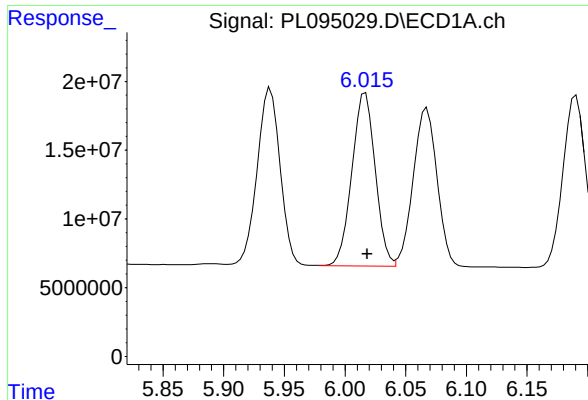
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.001 min
Response: 170272503
Conc: 50.54 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 257752727
Conc: 53.38 ng/ml



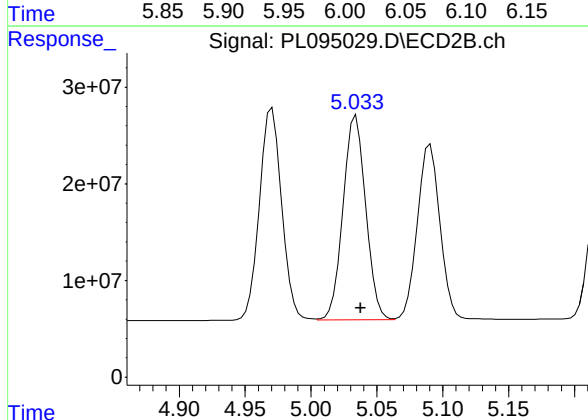
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.002 min
Response: 168708885
Conc: 51.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

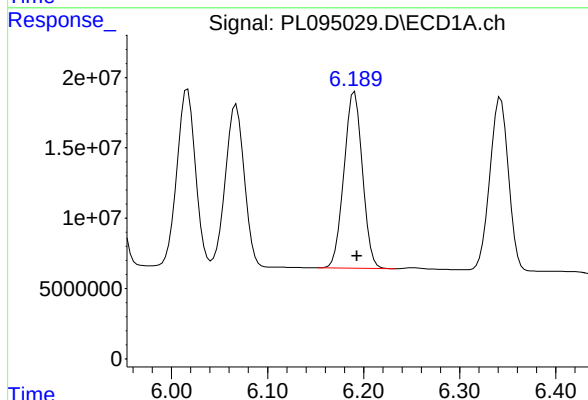
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



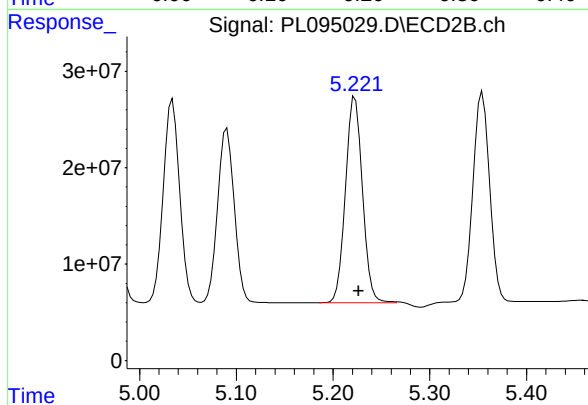
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 252762688
Conc: 52.96 ng/ml



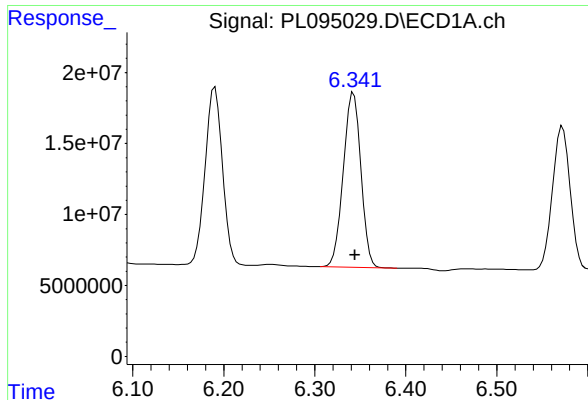
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 166305938
Conc: 56.53 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 259323952
Conc: 55.79 ng/ml m



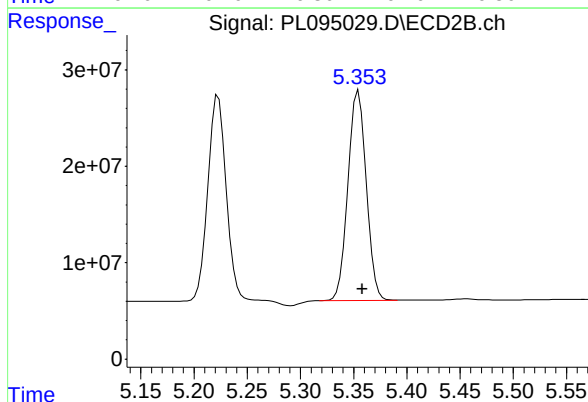
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 165453383
Conc: 51.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

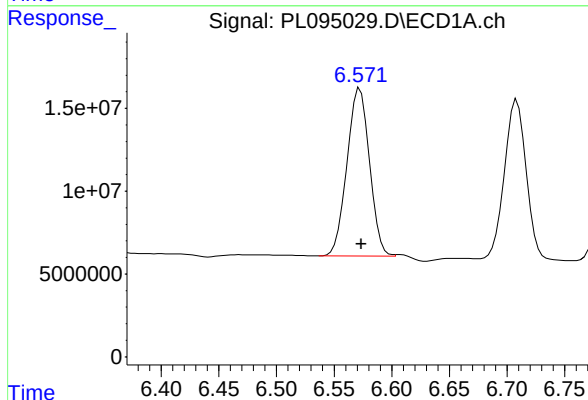
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



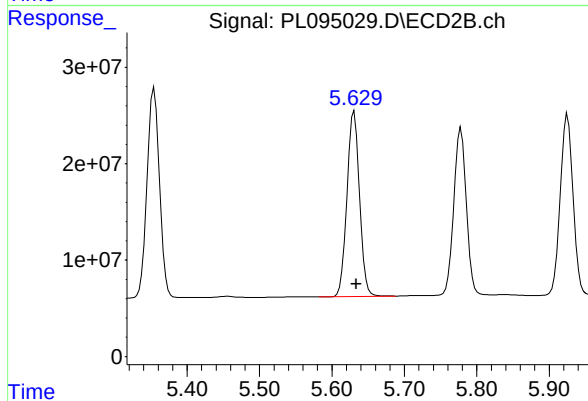
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.005 min
Response: 259233836
Conc: 53.43 ng/ml



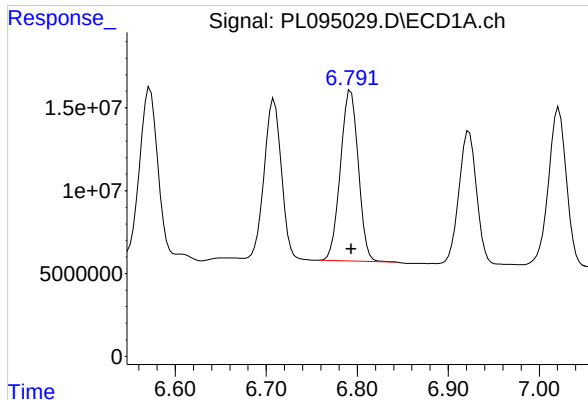
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 137274222
Conc: 49.52 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 232156797
Conc: 53.20 ng/ml



#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 140665650
Conc: 51.82 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

#15 Endosulfan II

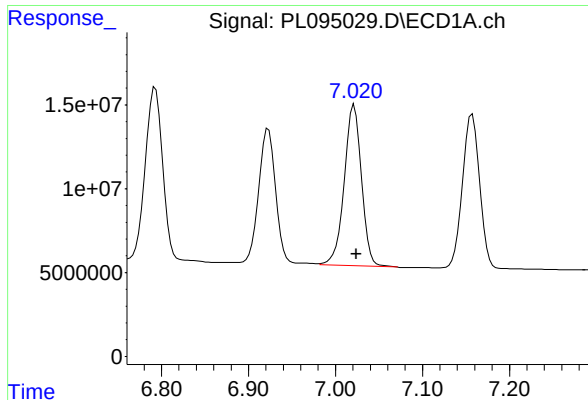
R.T.: 5.925 min
Delta R.T.: -0.003 min
Response: 229339113
Conc: 52.99 ng/ml

#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.001 min
Response: 126624462
Conc: 58.46 ng/ml

#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 208830325
Conc: 58.07 ng/ml



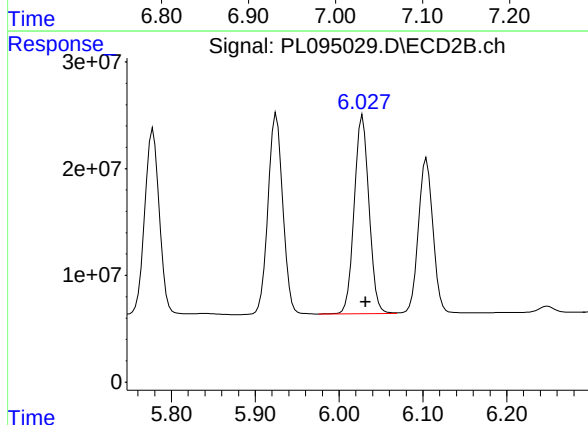
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 132993728
Conc: 55.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

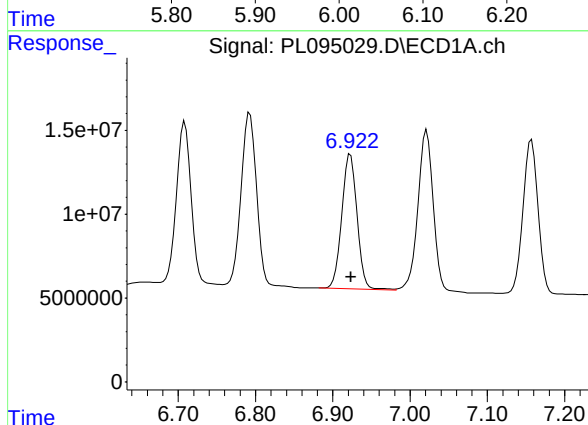
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



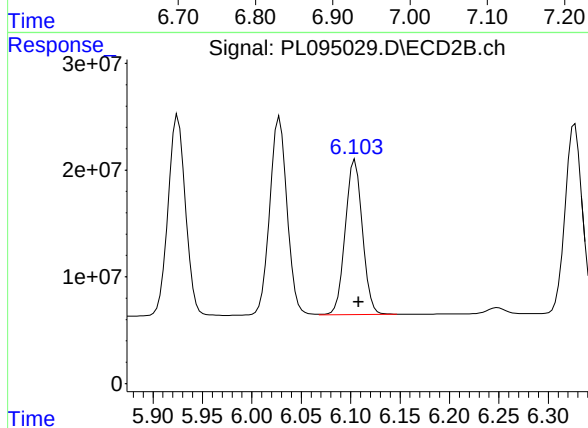
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 226525367
Conc: 56.18 ng/ml



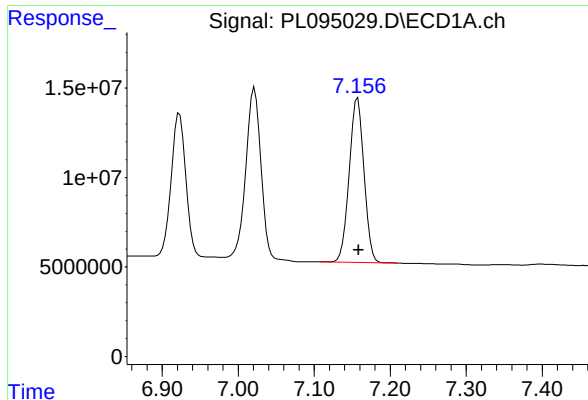
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 109889577
Conc: 52.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 174600260
Conc: 51.88 ng/ml



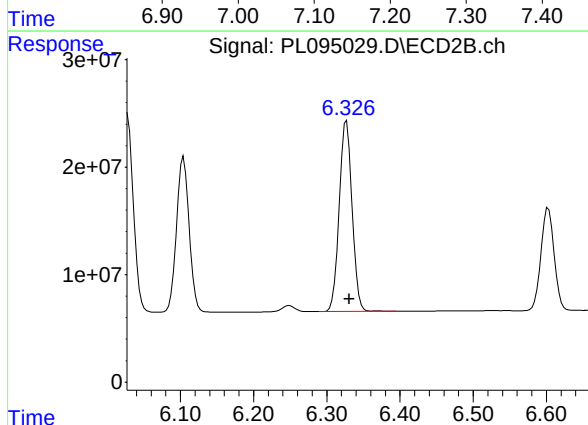
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: -0.002 min
Response: 124868331
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

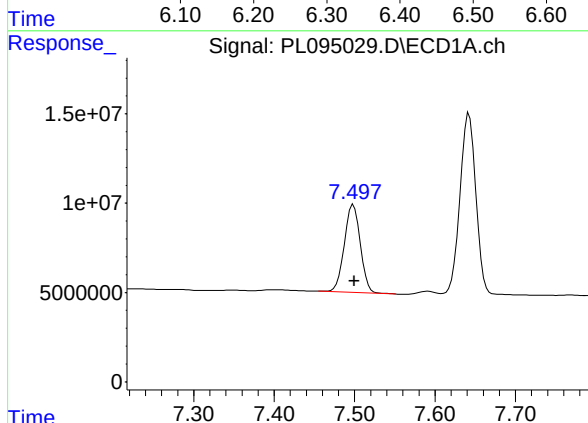
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



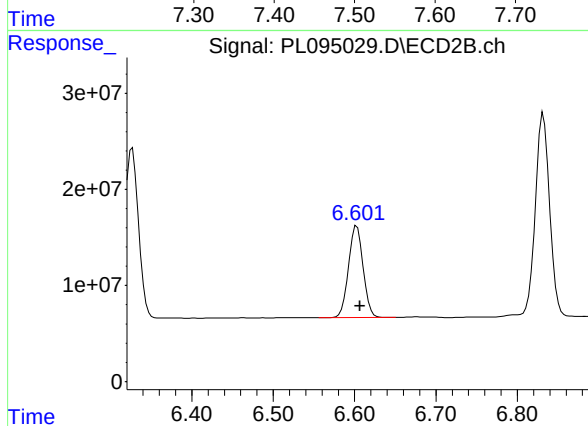
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.004 min
Response: 216780734
Conc: 53.22 ng/ml



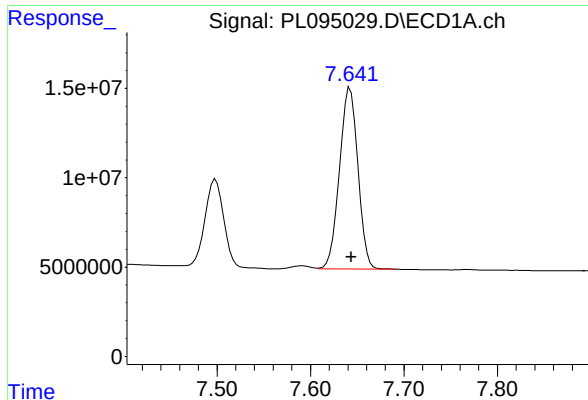
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 67770276
Conc: 56.61 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 119685315
Conc: 56.43 ng/ml



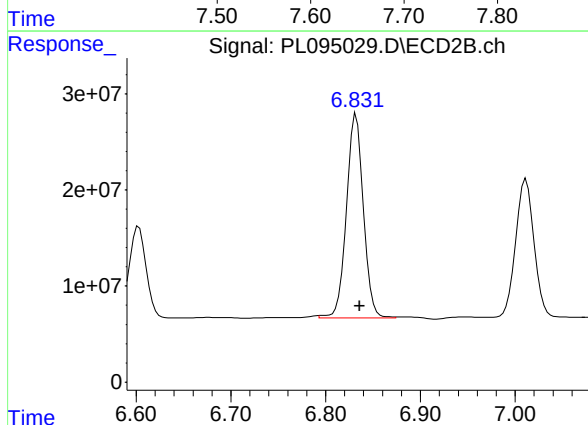
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.001 min
Response: 139127859
Conc: 52.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

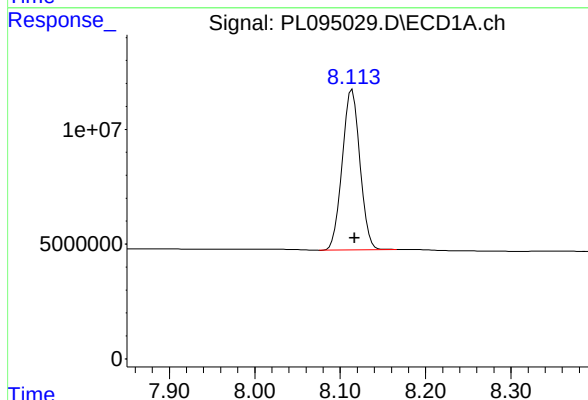
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



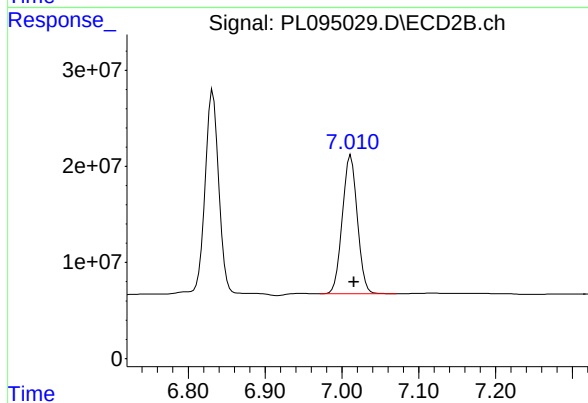
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 263878082
Conc: 55.29 ng/ml



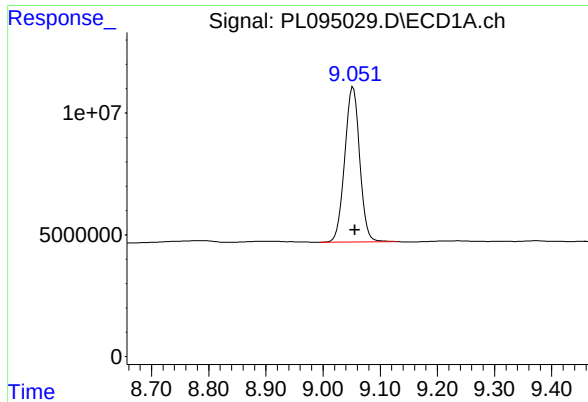
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 100696692
Conc: 48.73 ng/ml



#22 Mirex

R.T.: 7.012 min
Delta R.T.: -0.004 min
Response: 193589562
Conc: 51.01 ng/ml



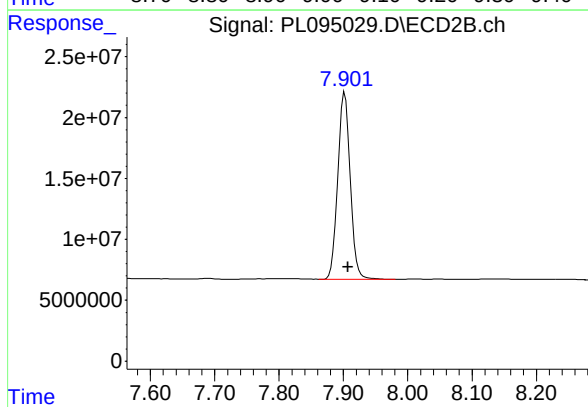
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 116740423
Conc: 55.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 207010972
Conc: 51.25 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Contract: ROYF02

 Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

 Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

 Continuing Calib Time: 18:28 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	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	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	6.93	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

CALIBRATION VERIFICATION SUMMARY

 Contract: ROYF02

 Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

 Continuing Calib Date: 04/03/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

 Continuing Calib Time: 18:28 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	6.10	6.11	6.01	6.21	0.01
alpha-Chlordane	5.03	5.04	4.94	5.14	0.01
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL05 Date Analyzed: 04/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095041.D Time Analyzed: 18:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.610	6.810	54.440	50.000	8.9
4,4'-DDE	6.194	6.093	6.293	52.640	50.000	5.3
4,4'-DDT	7.024	6.924	7.124	49.980	50.000	0.0
Aldrin	5.258	5.156	5.356	46.080	50.000	-7.8
alpha-BHC	3.996	3.894	4.094	48.970	50.000	-2.1
alpha-Chlordane	6.020	5.918	6.118	47.950	50.000	-4.1
beta-BHC	4.528	4.425	4.625	47.090	50.000	-5.8
Decachlorobiphenyl	9.056	8.956	9.156	49.080	50.000	-1.8
delta-BHC	4.775	4.673	4.873	48.230	50.000	-3.5
Dieldrin	6.345	6.244	6.444	48.770	50.000	-2.5
Endosulfan I	6.070	5.969	6.169	48.340	50.000	-3.3
Endosulfan II	6.795	6.694	6.894	48.120	50.000	-3.8
Endosulfan sulfate	7.160	7.059	7.259	46.850	50.000	-6.3
Endrin	6.575	6.474	6.674	43.780	50.000	-12.4
Endrin aldehyde	6.925	6.824	7.024	46.800	50.000	-6.4
Endrin ketone	7.644	7.544	7.744	48.790	50.000	-2.4
gamma-BHC (Lindane)	4.329	4.227	4.427	48.500	50.000	-3.0
gamma-Chlordane	5.941	5.840	6.040	47.240	50.000	-5.5
Heptachlor	4.916	4.815	5.015	46.180	50.000	-7.6
Heptachlor epoxide	5.685	5.583	5.783	46.670	50.000	-6.7
Methoxychlor	7.501	7.400	7.600	50.640	50.000	1.3
Tetrachloro-m-xylene	3.540	3.438	3.638	49.240	50.000	-1.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

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

Client Sample No.: CCAL05 Date Analyzed: 04/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095041.D Time Analyzed: 18:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.777	5.682	5.882	52.840	50.000	5.7
4,4'-DDE	5.222	5.127	5.327	50.840	50.000	1.7
4,4'-DDT	6.027	5.932	6.132	48.520	50.000	-3.0
Aldrin	4.218	4.122	4.322	51.480	50.000	3.0
alpha-BHC	3.271	3.174	3.374	53.140	50.000	6.3
alpha-Chlordane	5.033	4.938	5.138	48.470	50.000	-3.1
beta-BHC	3.902	3.805	4.005	53.230	50.000	6.5
Decachlorobiphenyl	7.902	7.807	8.007	40.510	50.000	-19.0
delta-BHC	4.129	4.033	4.233	54.030	50.000	8.1
Dieldrin	5.353	5.258	5.458	48.830	50.000	-2.3
Endosulfan I	5.089	4.994	5.194	48.360	50.000	-3.3
Endosulfan II	5.925	5.829	6.029	47.370	50.000	-5.3
Endosulfan sulfate	6.327	6.231	6.431	47.010	50.000	-6.0
Endrin	5.628	5.534	5.734	47.640	50.000	-4.7
Endrin aldehyde	6.104	6.008	6.208	44.750	50.000	-10.5
Endrin ketone	6.832	6.736	6.936	45.510	50.000	-9.0
gamma-BHC (Lindane)	3.600	3.504	3.704	52.630	50.000	5.3
gamma-Chlordane	4.970	4.874	5.074	48.880	50.000	-2.2
Heptachlor	3.938	3.842	4.042	50.560	50.000	1.1
Heptachlor epoxide	4.720	4.625	4.825	49.840	50.000	-0.3
Methoxychlor	6.602	6.507	6.707	49.030	50.000	-1.9
Tetrachloro-m-xylene	2.769	2.672	2.872	52.560	50.000	5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
 Data File : PL095041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 18:28
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 02:38:31 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...	3.540	2.769	139.4E6	187.6E6	49.244	52.557
28)	SA Decachlor...	9.056	7.902	103.4E6	163.6E6	49.082	40.507
Target Compounds							
2)	A alpha-BHC	3.996	3.271	203.4E6	286.5E6	48.974	53.136
3)	MA gamma-BHC...	4.329	3.600	193.5E6	270.5E6	48.499	52.630m
4)	MA Heptachlor	4.916	3.938	179.2E6	266.4E6	46.175	50.563
5)	MB Aldrin	5.258	4.218	170.2E6	251.1E6	46.084	51.484
6)	B beta-BHC	4.528	3.902	86887083	118.3E6	47.088	53.235
7)	B delta-BHC	4.775	4.129	187.8E6	270.3E6	48.231	54.033
8)	B Heptachlo...	5.685	4.720	156.1E6	228.2E6	46.668	49.835
9)	A Endosulfan I	6.070	5.089	148.4E6	212.3E6	48.339	48.363
10)	B gamma-Chl...	5.941	4.970	159.2E6	236.0E6	47.239	48.879
11)	B alpha-Chl...	6.020	5.033	158.1E6	231.3E6	47.954	48.467
12)	B 4,4'-DDE	6.194	5.222	154.9E6	236.3E6	52.635	50.841
13)	MA Dieldrin	6.345	5.353	156.0E6	236.9E6	48.771	48.828
14)	MA Endrin	6.575	5.628	121.3E6	207.9E6	43.776	47.639m
15)	B Endosulfa...	6.795	5.925	130.6E6	205.0E6	48.123	47.368
16)	A 4,4'-DDD	6.711	5.777	117.9E6	190.0E6	54.443	52.835
17)	MA 4,4'-DDT	7.024	6.027	118.9E6	195.6E6	49.981	48.518
18)	B Endrin al...	6.925	6.104	98802056	150.6E6	46.804	44.752
19)	B Endosulfa...	7.160	6.327	114.0E6	191.5E6	46.854	47.008
20)	A Methoxychlor	7.501	6.602	60615750	104.0E6	50.637	49.026
21)	B Endrin ke...	7.644	6.832	129.0E6	217.2E6	48.794	45.510
22)	Mirex	8.117	7.010	89753668	165.4E6	43.437	43.578m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 18:28
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

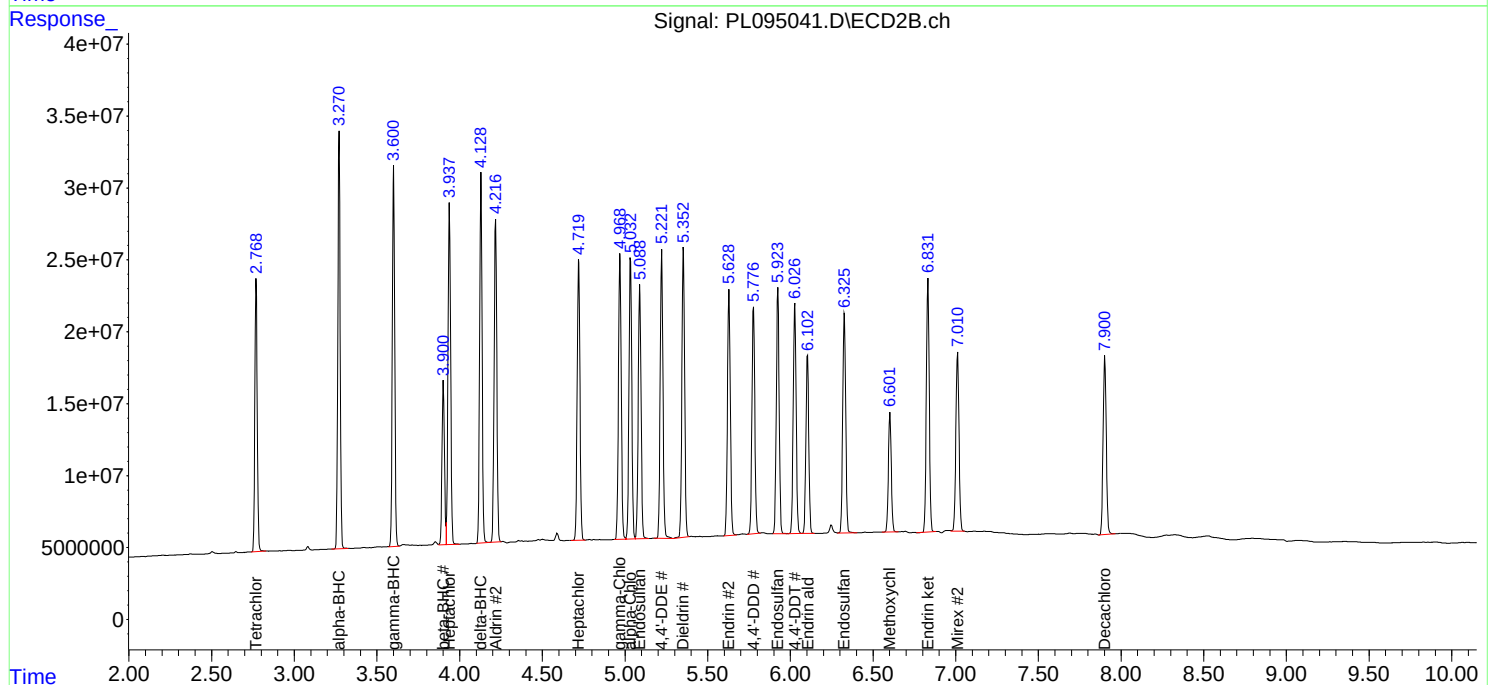
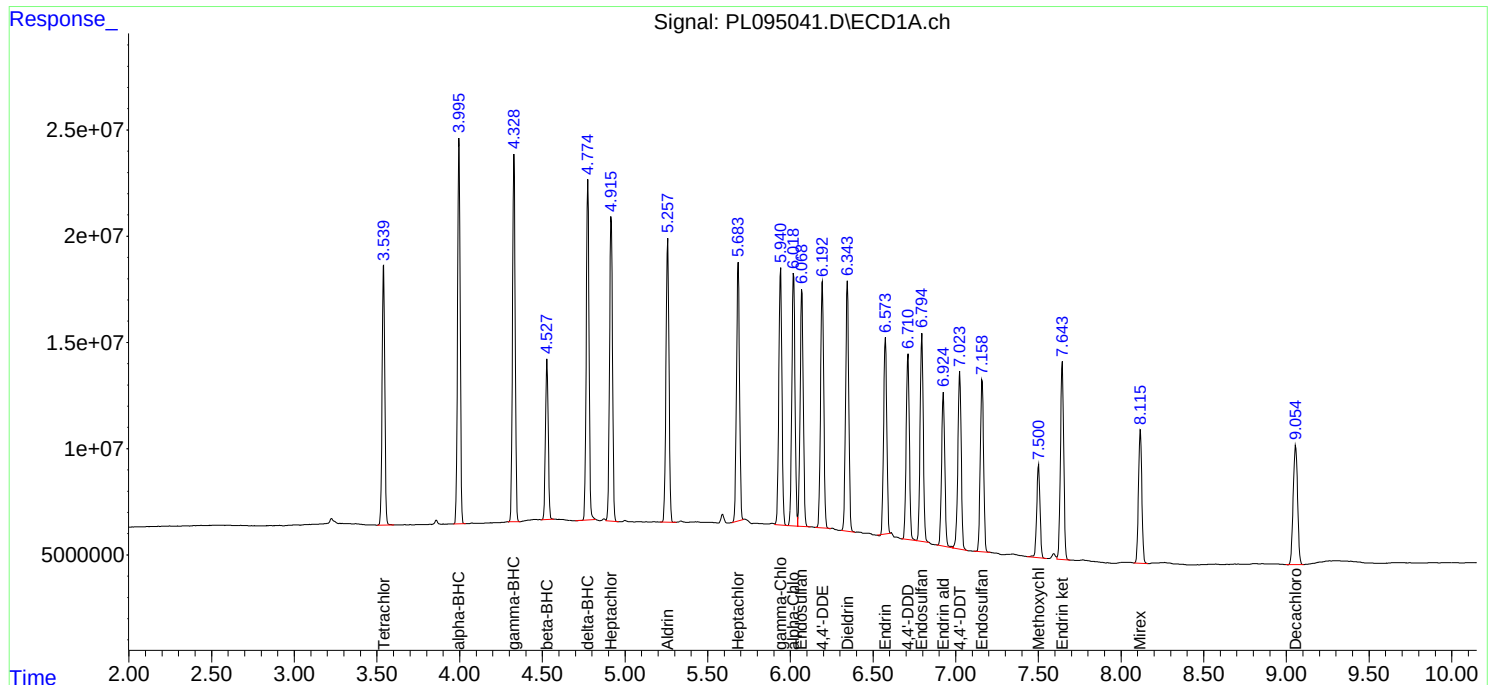
APPROVED

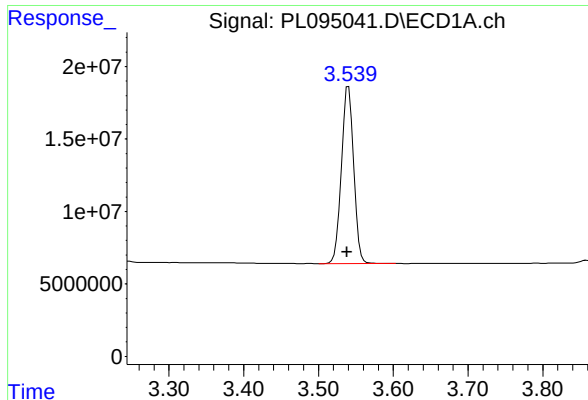
Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:38:31 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





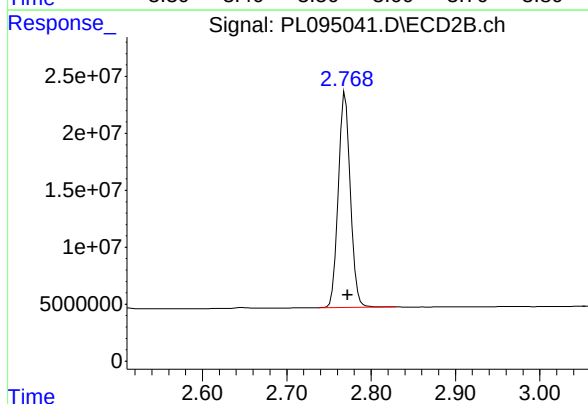
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.002 min
Response: 139394163
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

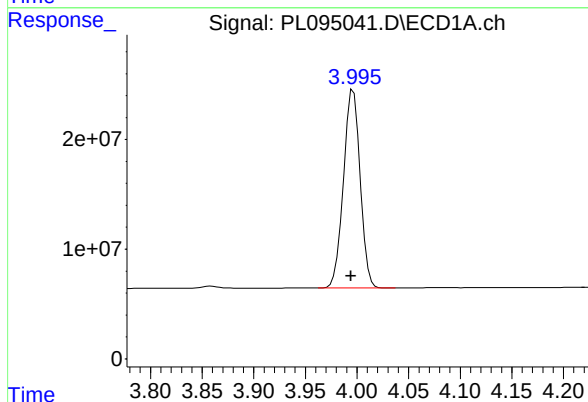
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



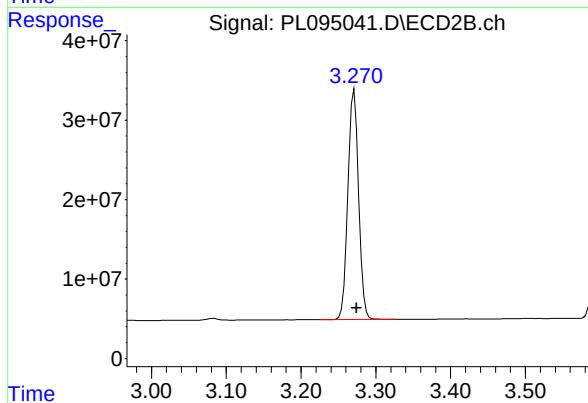
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 187589560
Conc: 52.56 ng/ml



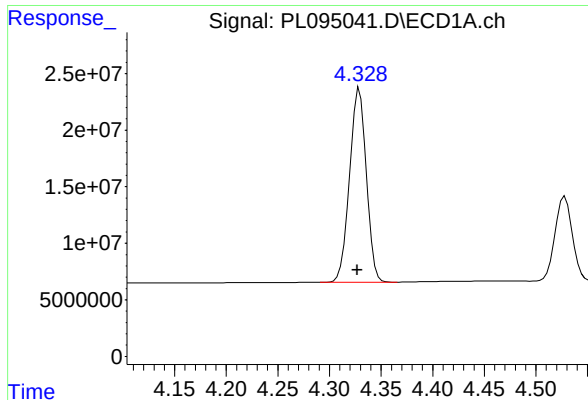
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.002 min
Response: 203358343
Conc: 48.97 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 286474910
Conc: 53.14 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 193524985
Conc: 48.50 ng/ml

Instrument :

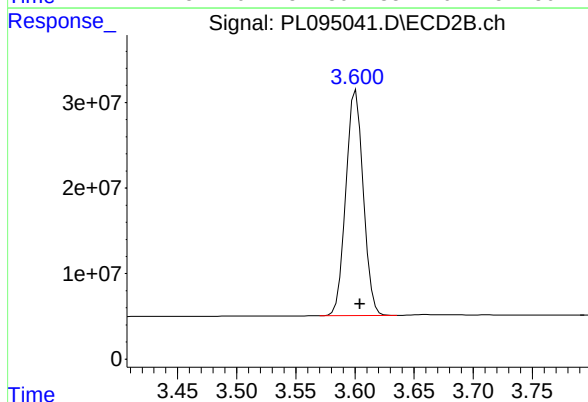
ECD_L

ClientSampleId :

PSTDCCC050

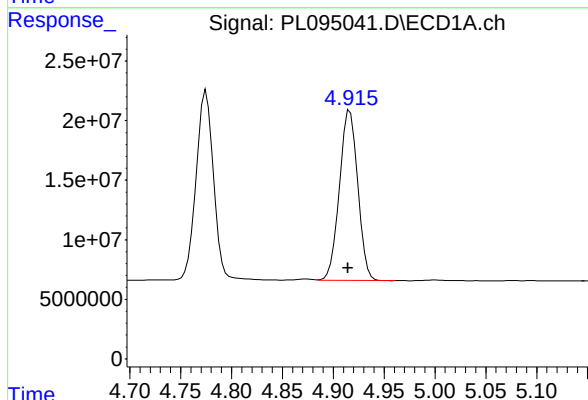
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



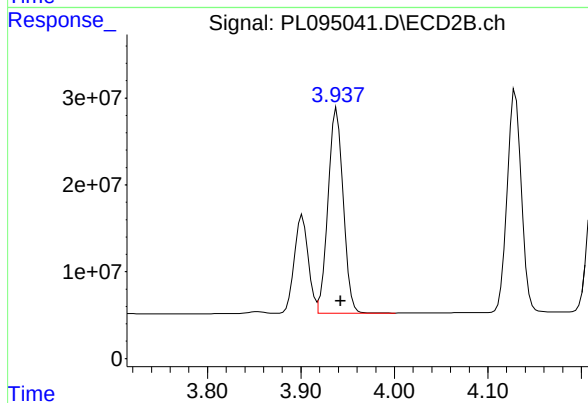
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 270491530
Conc: 52.63 ng/ml



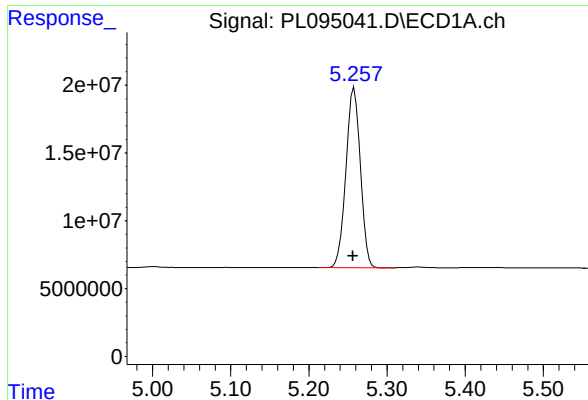
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 179235384
Conc: 46.18 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.004 min
Response: 266399729
Conc: 50.56 ng/ml



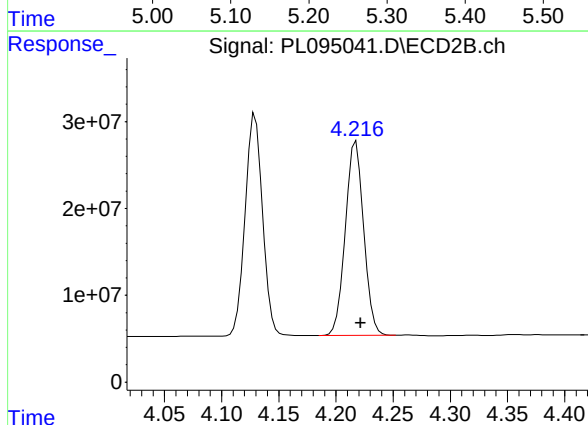
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.002 min
Response: 170150570
Conc: 46.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

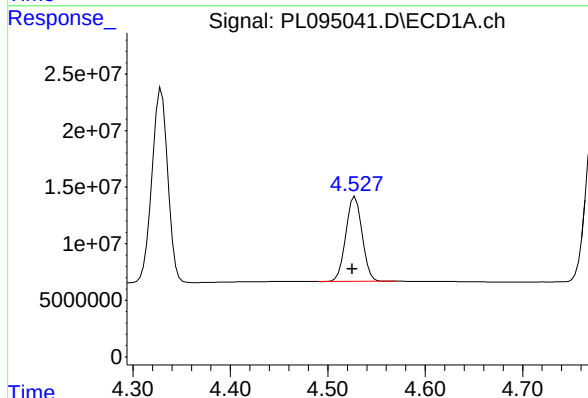
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



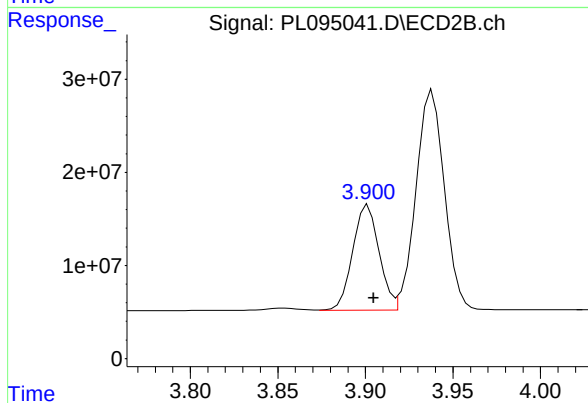
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 251056026
Conc: 51.48 ng/ml



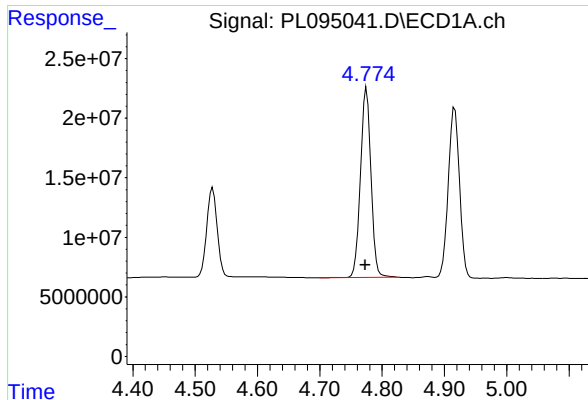
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 86887083
Conc: 47.09 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 118250136
Conc: 53.23 ng/ml



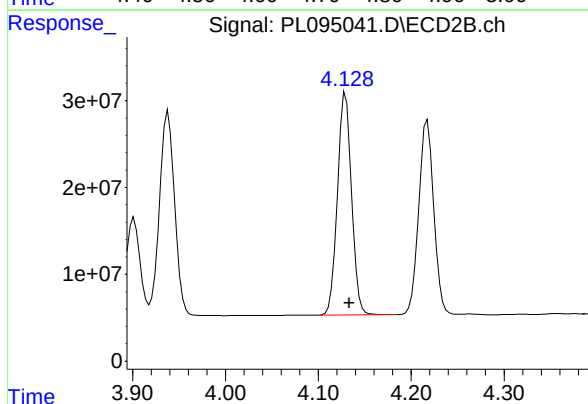
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.002 min
Response: 187826230
Conc: 48.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

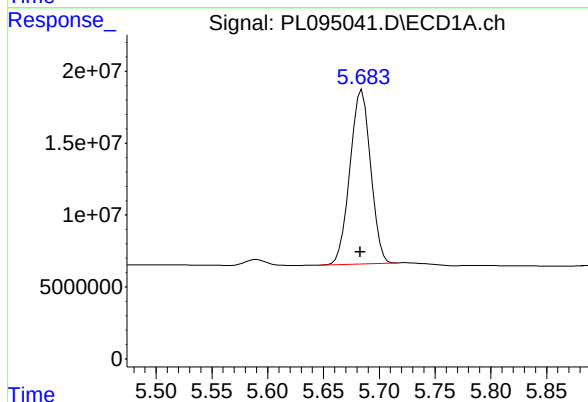
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



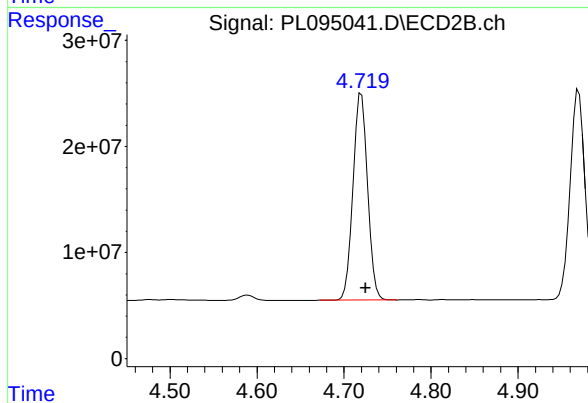
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.004 min
Response: 270271280
Conc: 54.03 ng/ml



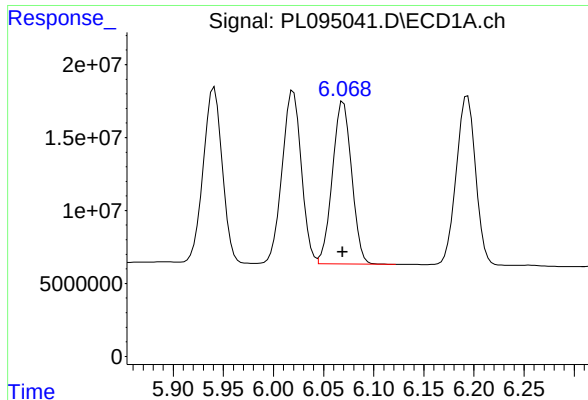
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.001 min
Response: 156112796
Conc: 46.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 228174511
Conc: 49.84 ng/ml



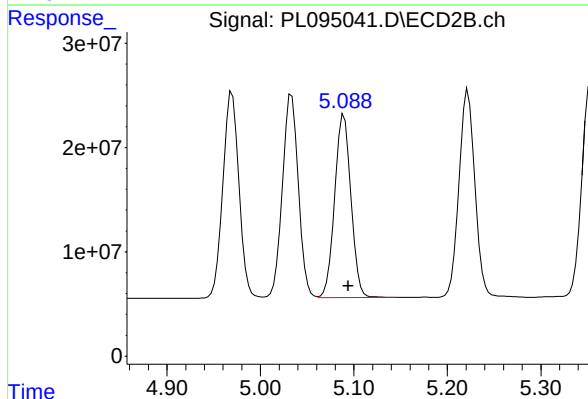
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 148411167
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

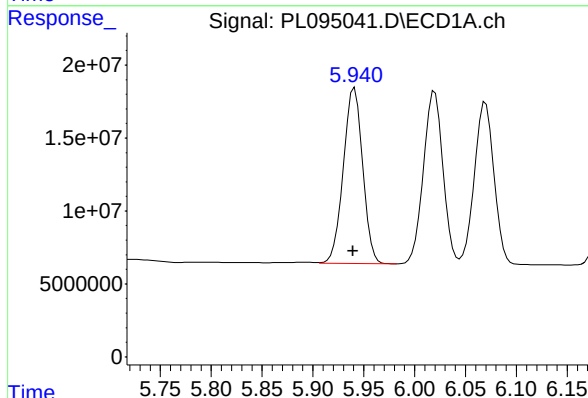
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



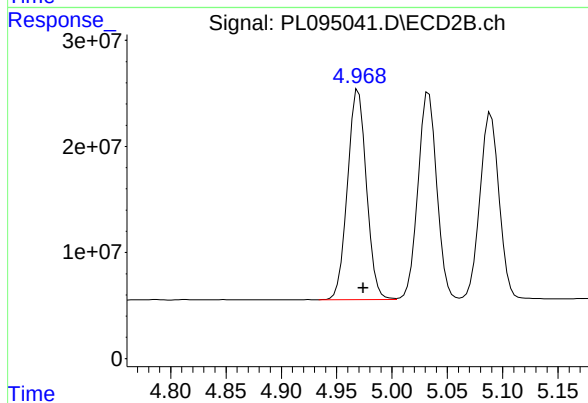
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 212250483
Conc: 48.36 ng/ml



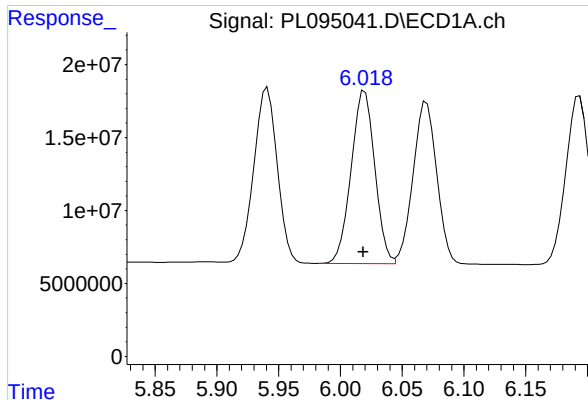
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.001 min
Response: 159164405
Conc: 47.24 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 236009486
Conc: 48.88 ng/ml



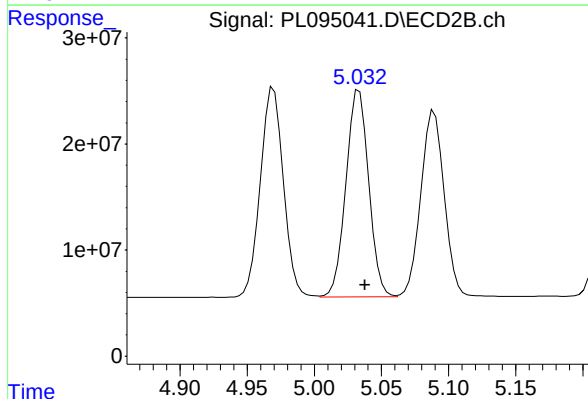
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.001 min
Response: 158097328
Conc: 47.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

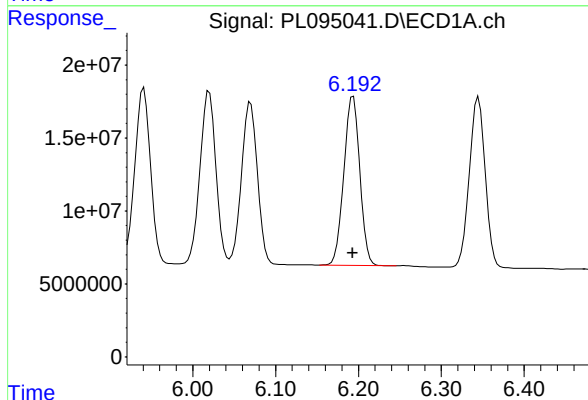
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



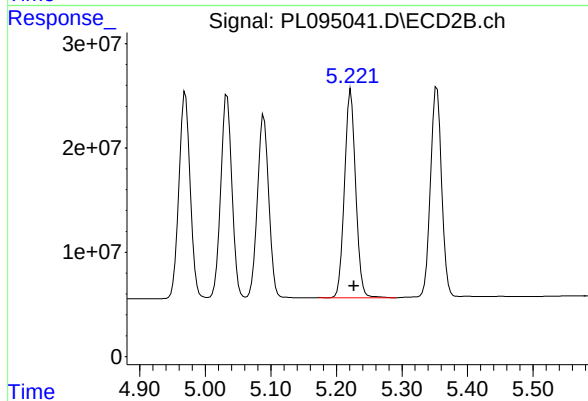
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.004 min
Response: 231324072
Conc: 48.47 ng/ml



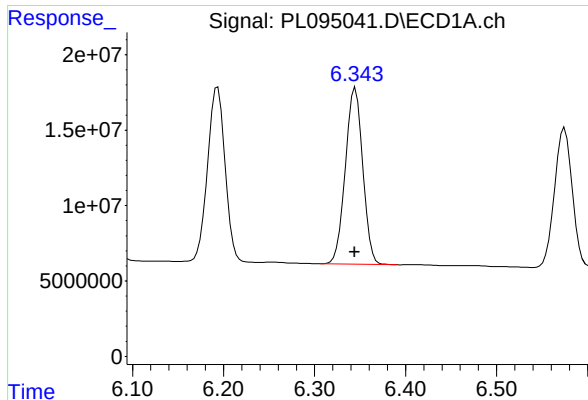
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 154855448
Conc: 52.64 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.004 min
Response: 236335030
Conc: 50.84 ng/ml



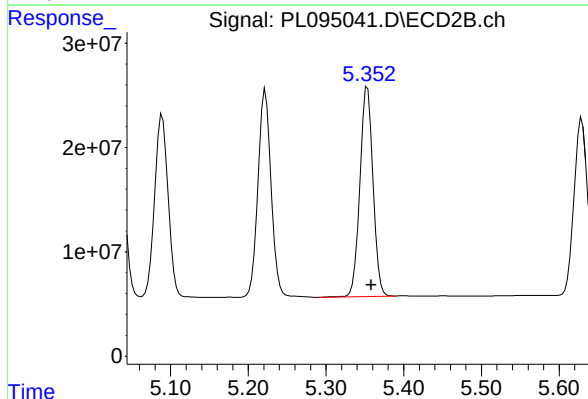
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 155976023
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

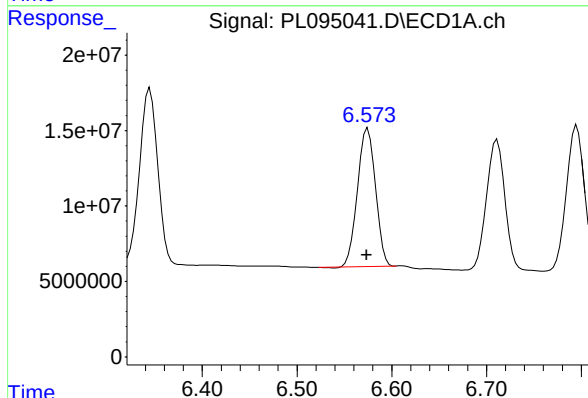
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



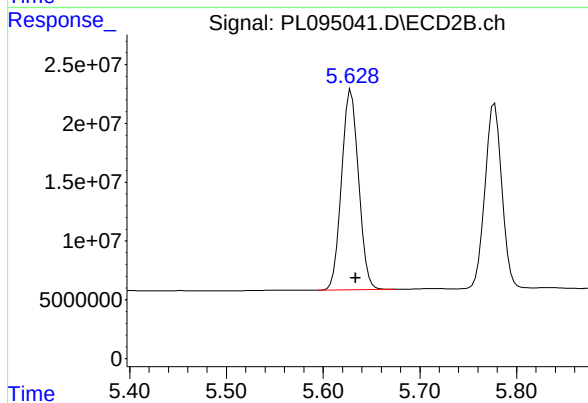
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.005 min
Response: 236903443
Conc: 48.83 ng/ml



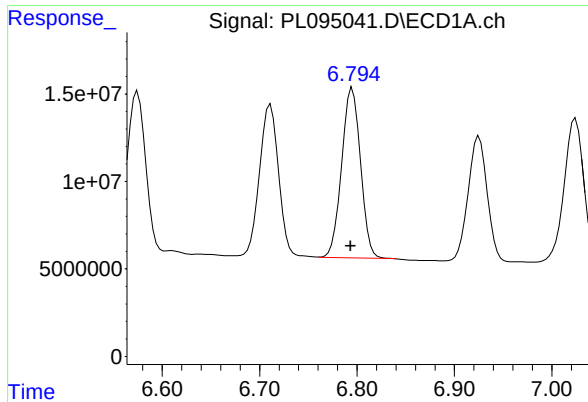
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.001 min
Response: 121349443
Conc: 43.78 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.006 min
Response: 207878827
Conc: 47.64 ng/ml m



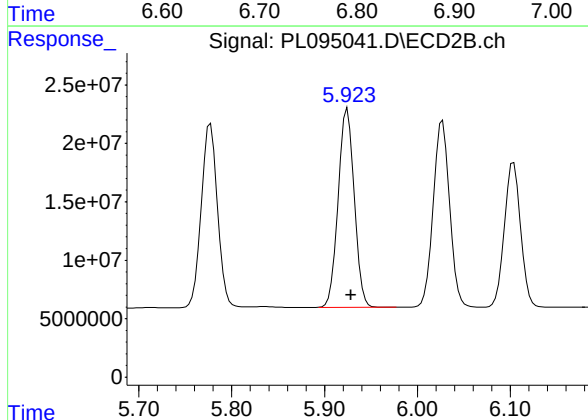
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.002 min
Response: 130641163
Conc: 48.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

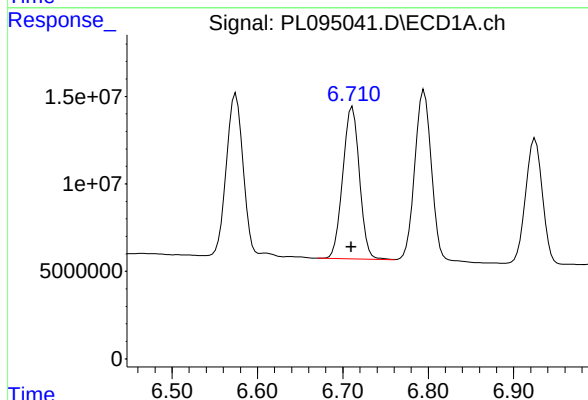
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



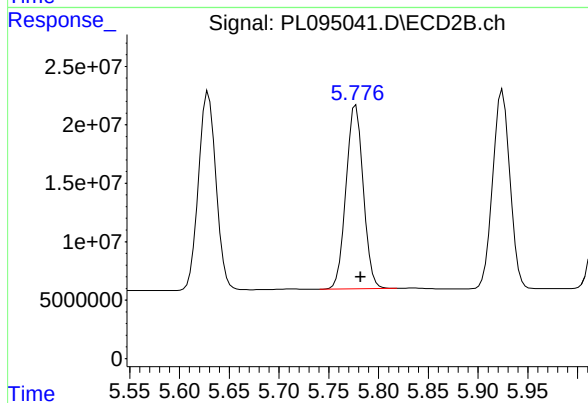
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.004 min
Response: 205019157
Conc: 47.37 ng/ml



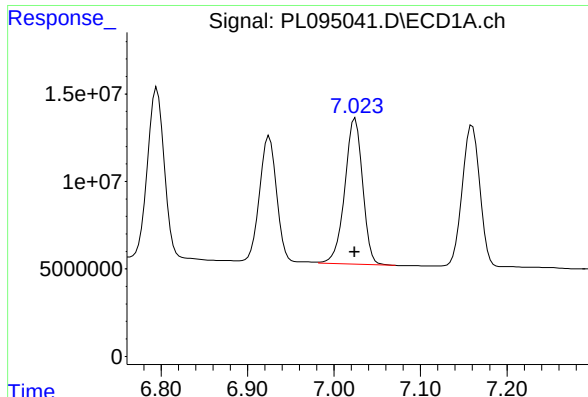
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.001 min
Response: 117926687
Conc: 54.44 ng/ml



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 189989766
Conc: 52.84 ng/ml



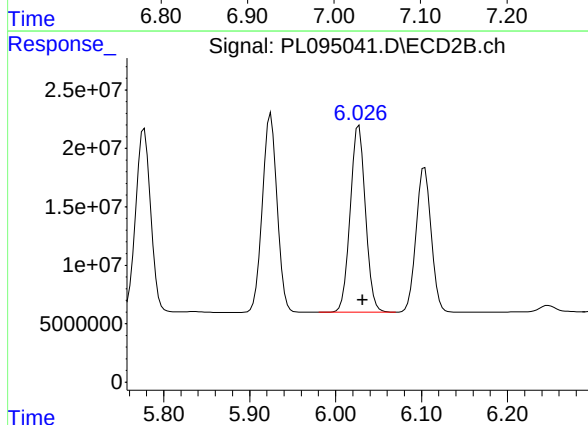
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 118882213
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

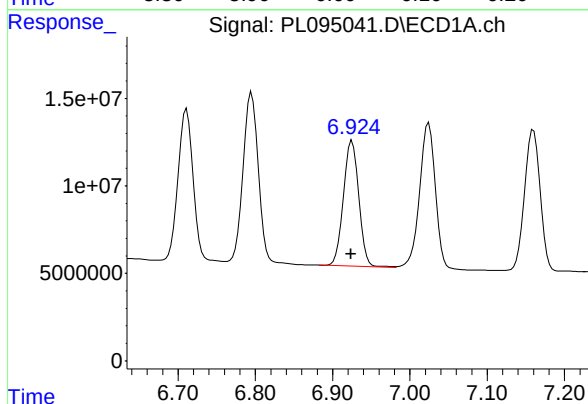
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



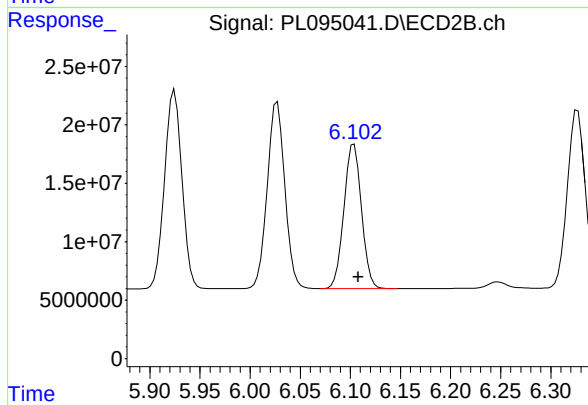
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.004 min
Response: 195630259
Conc: 48.52 ng/ml



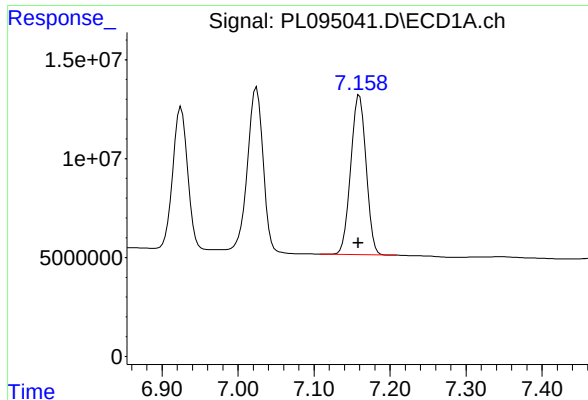
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.002 min
Response: 98802056
Conc: 46.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 150608502
Conc: 44.75 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.001 min
Response: 113950986
Conc: 46.85 ng/ml

Instrument :

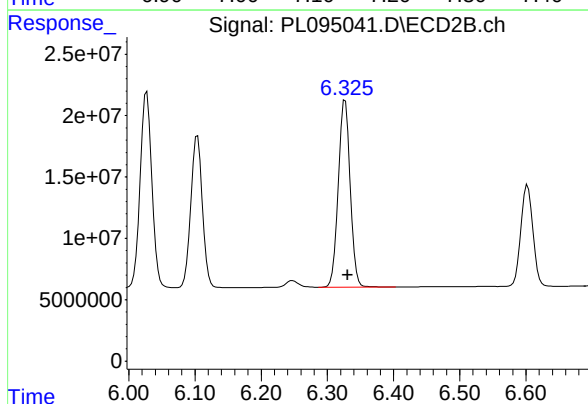
ECD_L

ClientSampleId :

PSTDCCC050

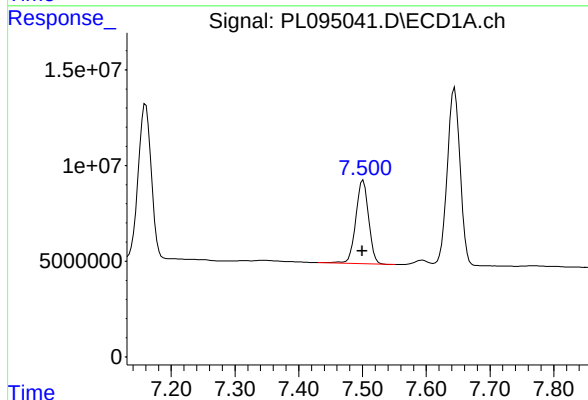
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



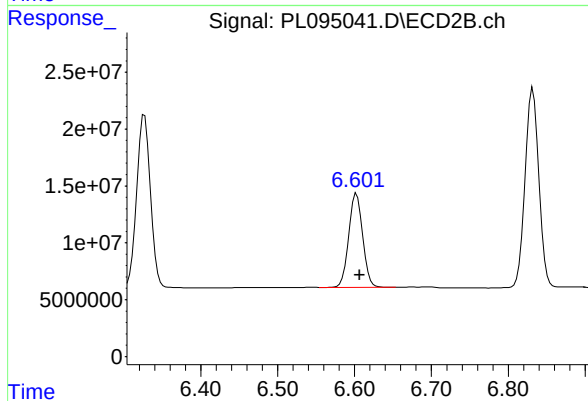
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.004 min
Response: 191485993
Conc: 47.01 ng/ml



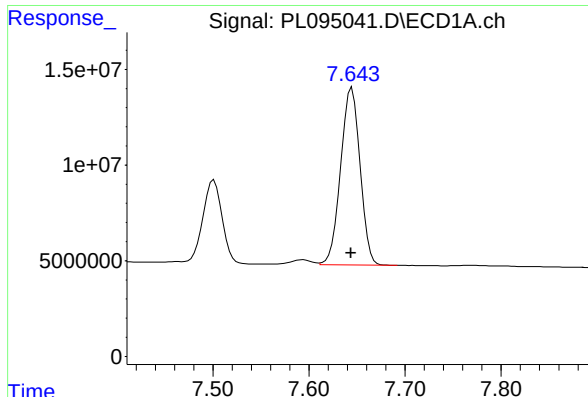
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.001 min
Response: 60615750
Conc: 50.64 ng/ml



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.004 min
Response: 103987647
Conc: 49.03 ng/ml



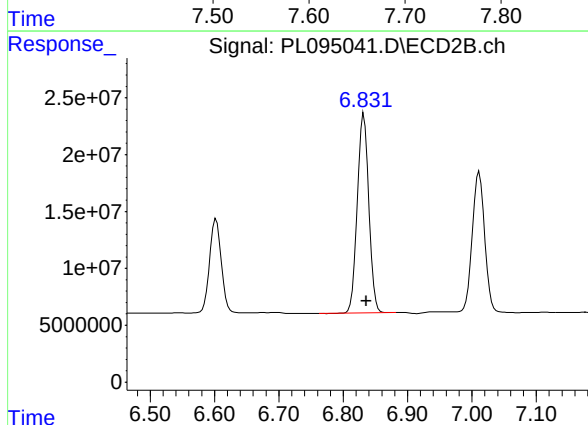
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 128974960
Conc: 48.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

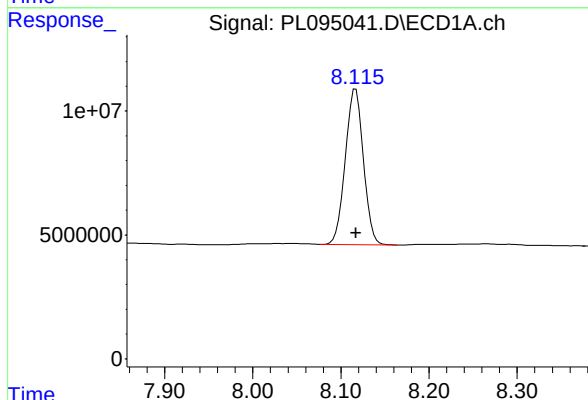
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



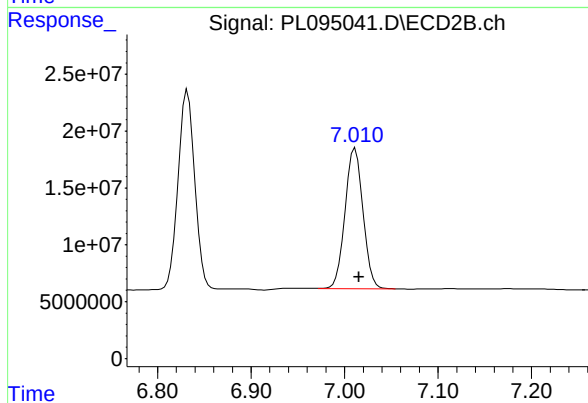
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 217202155
Conc: 45.51 ng/ml



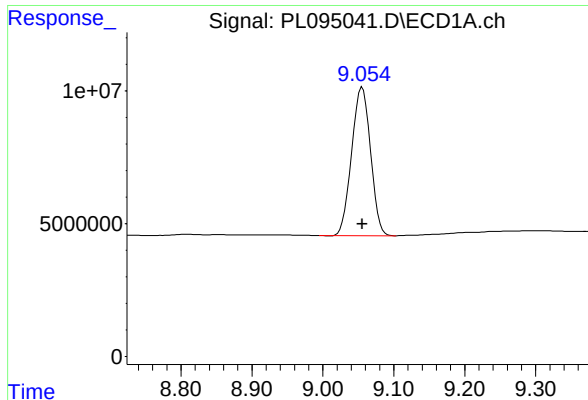
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 89753668
Conc: 43.44 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 165393686
Conc: 43.58 ng/ml m



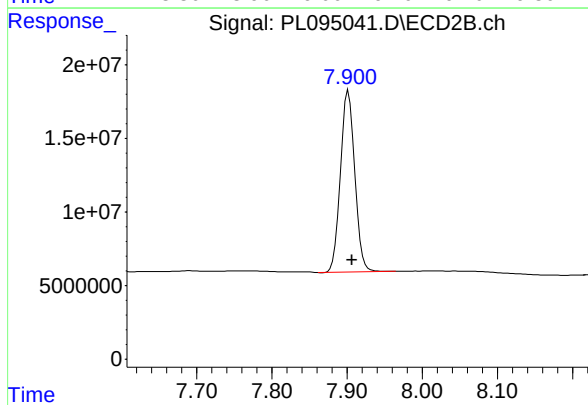
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 103439091
Conc: 49.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 163623291
Conc: 40.51 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **ROYF02**

Lab Code: **CHEM** Case No.: **Q1664** SAS No.: **Q1664** SDG NO.: **Q1664**

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

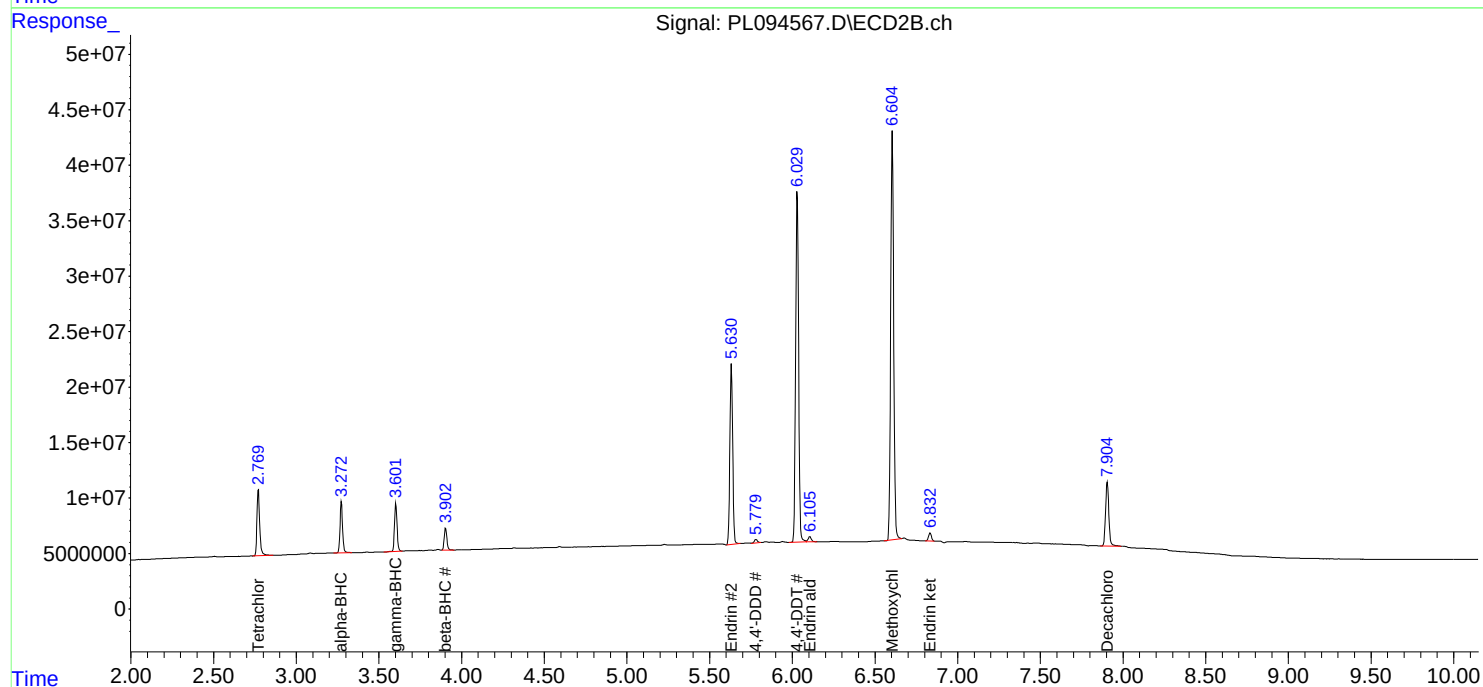
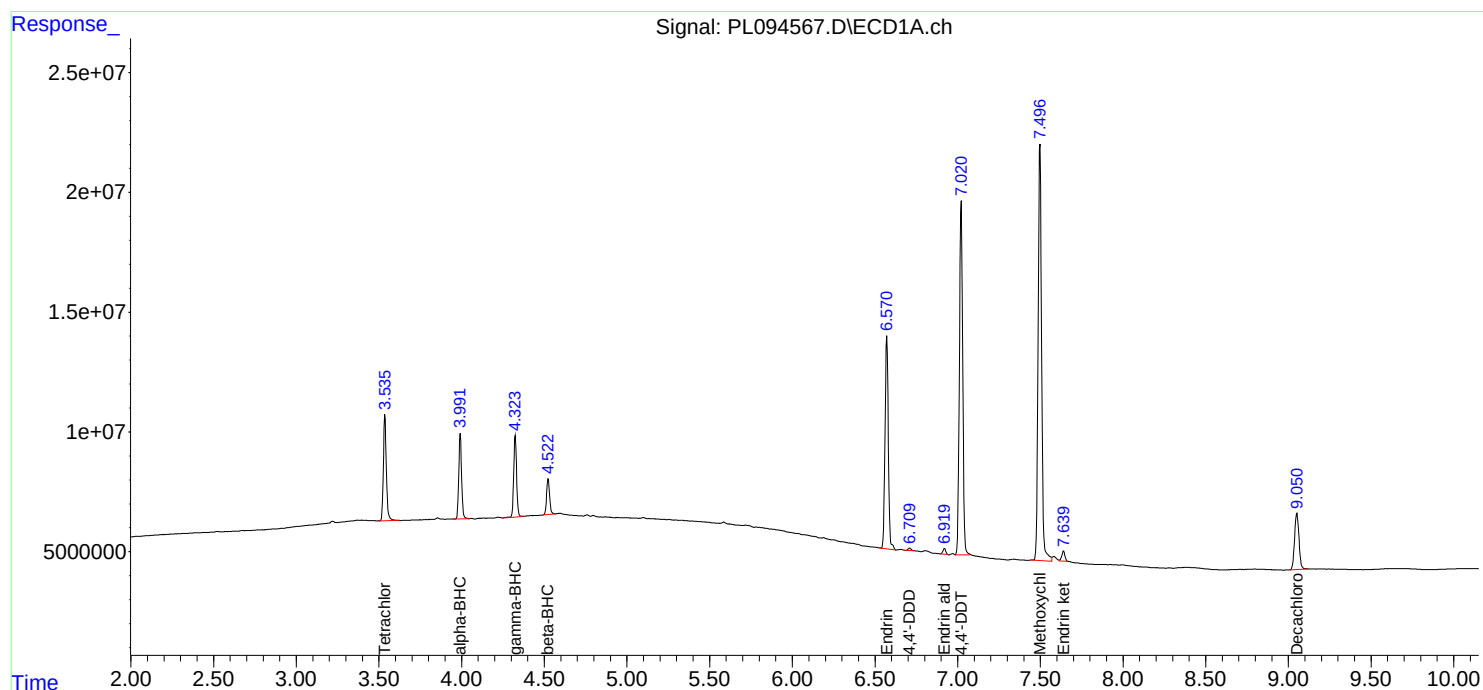
Instrument :
ECD_L
ClientSampleId :
PEM

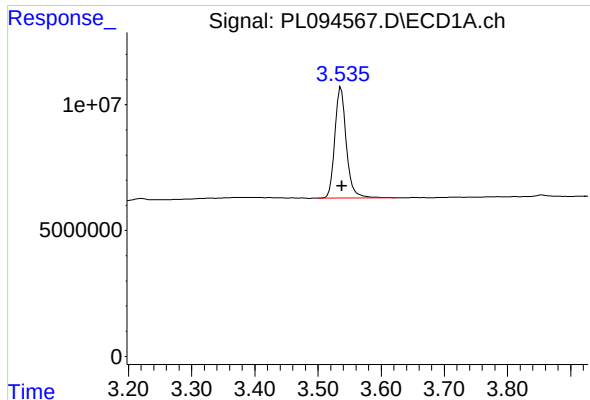
Manual Integrations
APPROVED

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





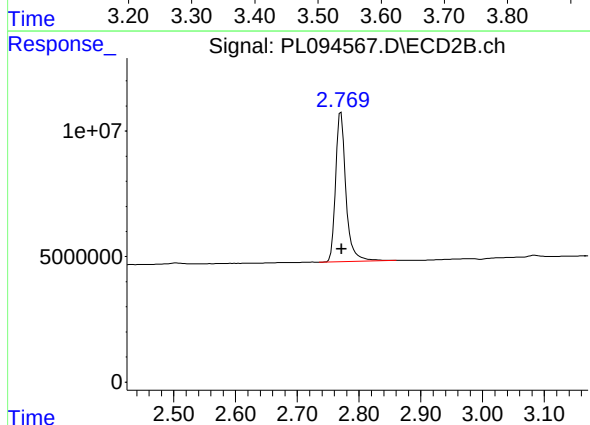
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

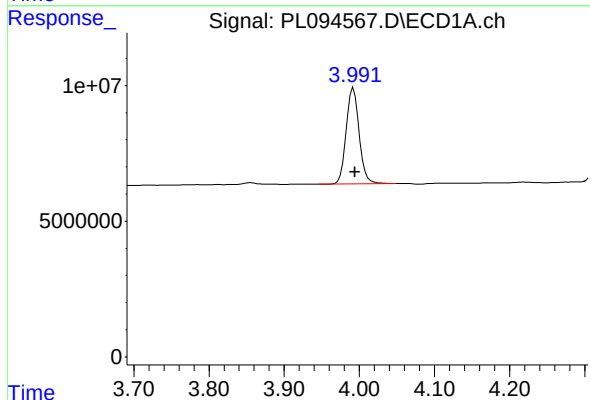
Manual Integrations
APPROVED

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



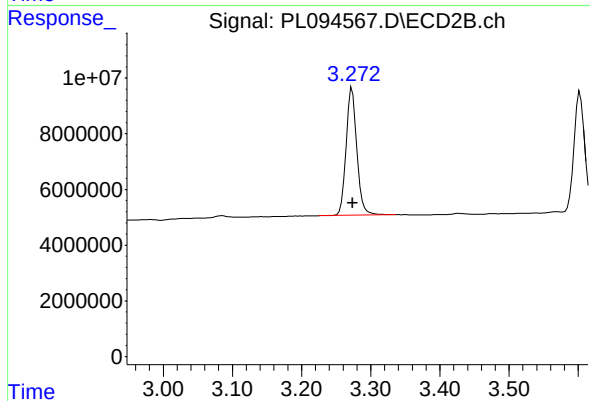
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 68955312
Conc: 19.32 ng/ml



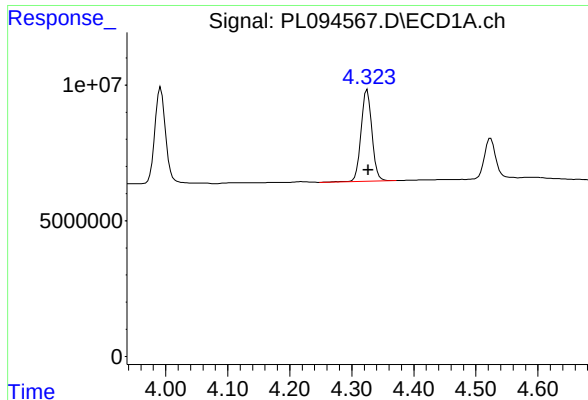
#2 alpha-BHC

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



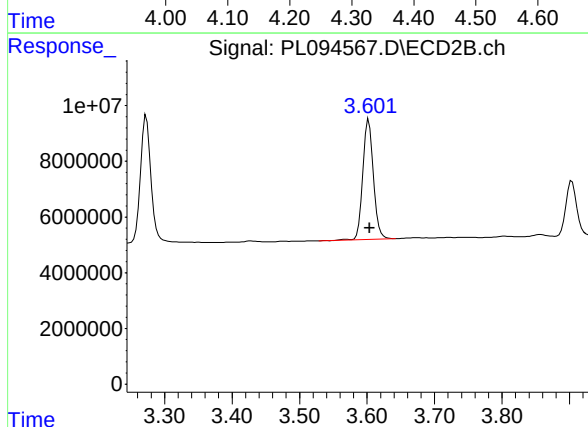
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

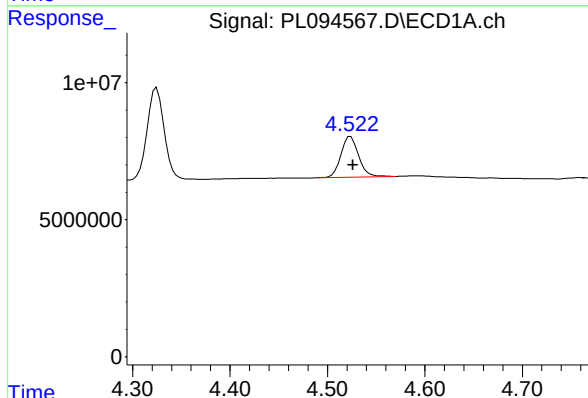
Manual Integrations
APPROVED

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



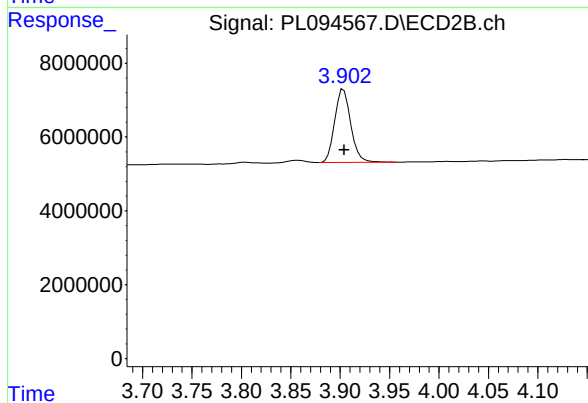
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 47101013
Conc: 9.16 ng/ml



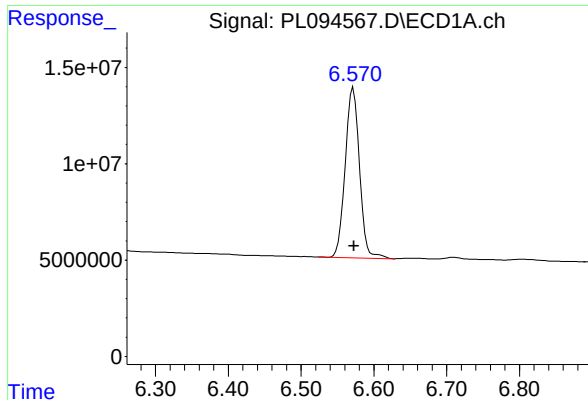
#6 beta-BHC

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



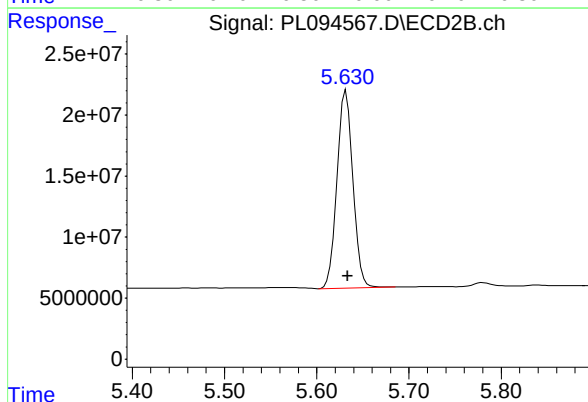
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

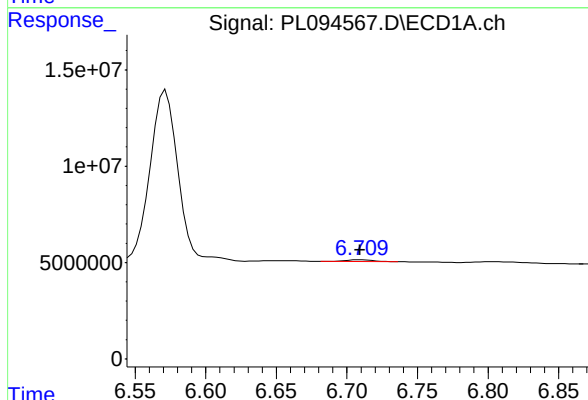
Manual Integrations
APPROVED

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



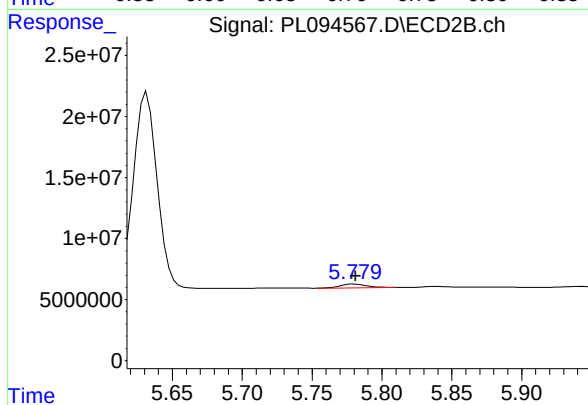
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 193799546
Conc: 44.41 ng/ml



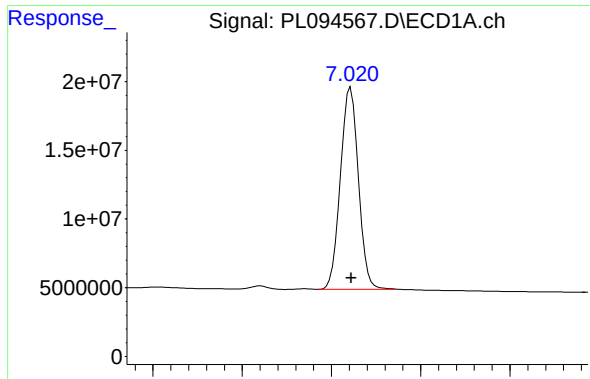
#16 4,4'-DDD

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



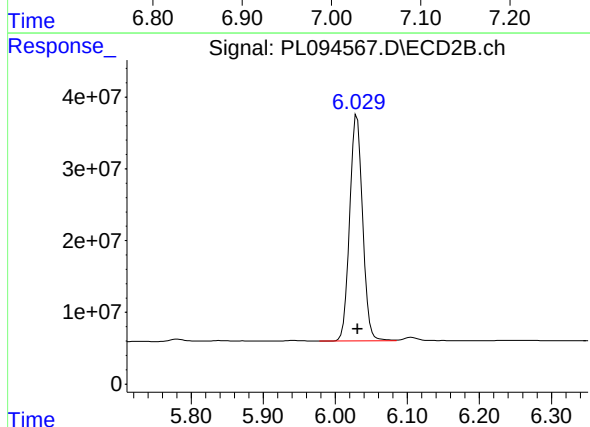
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 207005384
Conc: 87.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

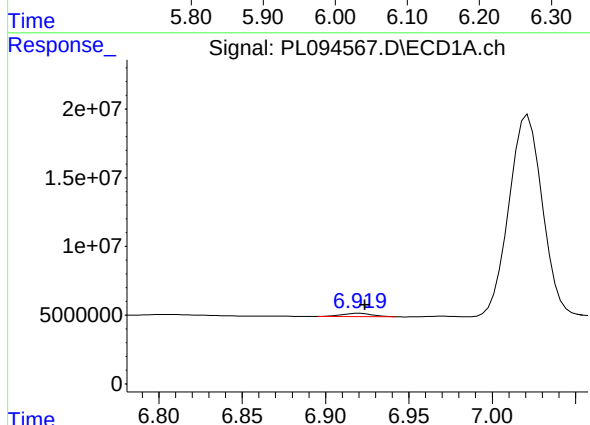
Manual Integrations
APPROVED

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



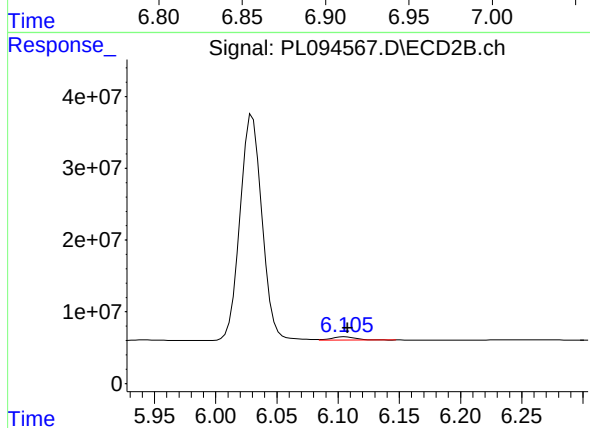
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



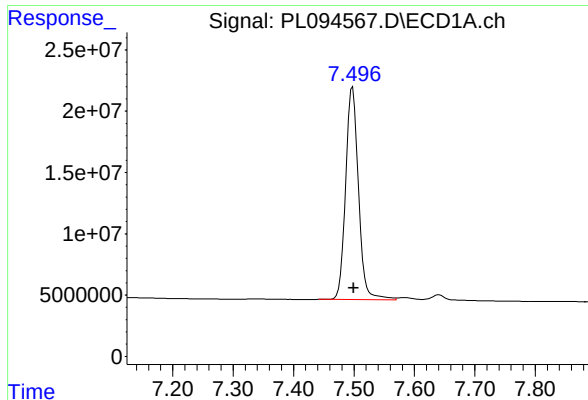
#18 Endrin aldehyde

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



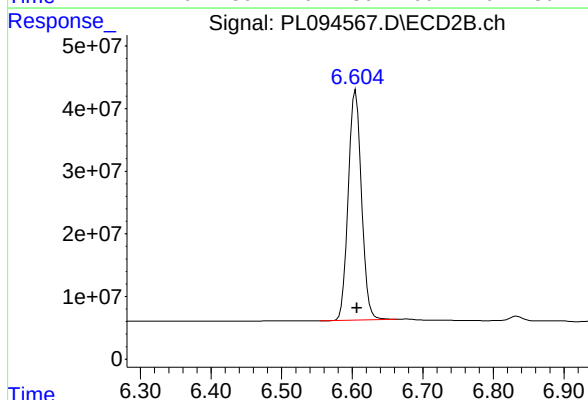
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 256926285
Conc: 214.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

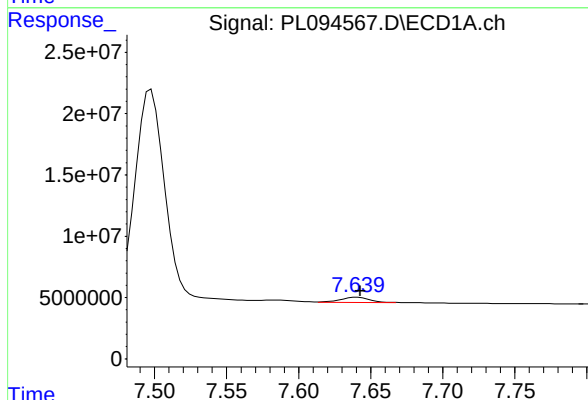
Manual Integrations
APPROVED

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



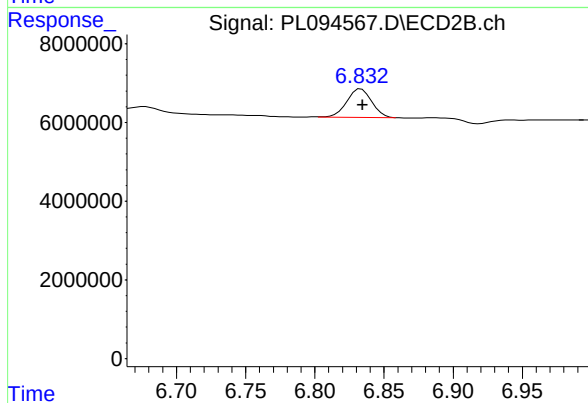
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



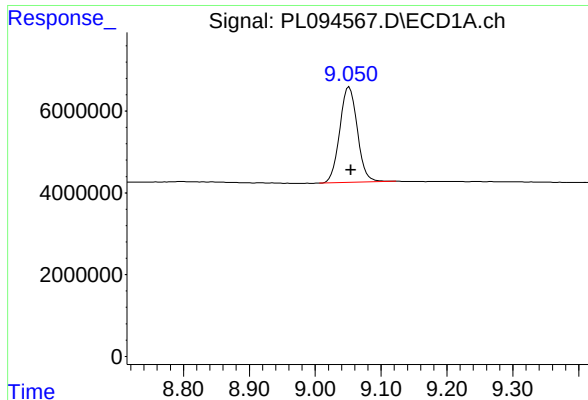
#21 Endrin ketone

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



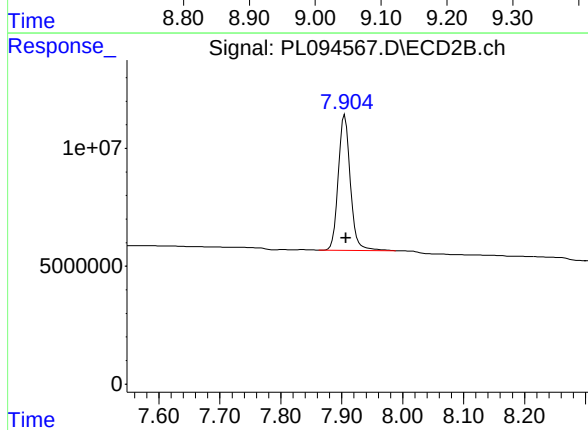
#28 Decachlorobiphenyl

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: **ROYF02**

Lab Code: **CHEM** Case No.: **Q1664** SAS No.: **Q1664** SDG NO.: **Q1664**

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

Client Sample No. (PEM): **PEM - PL094950.D** Date Analyzed: **03/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:43**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.053	8.950	9.150	24.210	20.000	21.1
Tetrachloro-m-xylene	3.536	3.490	3.590	22.880	20.000	14.4
alpha-BHC	3.992	3.940	4.040	11.720	10.000	17.2
beta-BHC	4.524	4.470	4.570	11.770	10.000	17.7
gamma-BHC (Lindane)	4.325	4.270	4.380	11.840	10.000	18.4
Endrin	6.571	6.500	6.640	50.310	50.000	0.6
4,4'-DDT	7.022	6.950	7.090	109.520	100.000	9.5
Methoxychlor	7.500	7.430	7.570	261.540	250.000	4.6

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

Client Sample No. (PEM): **PEM - PL094950.D** Date Analyzed: **03/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:43**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.902	7.800	8.000	23.590	20.000	18.0
Tetrachloro-m-xylene	2.769	2.720	2.820	23.500	20.000	17.5
alpha-BHC	3.271	3.220	3.320	11.320	10.000	13.2
beta-BHC	3.902	3.850	3.950	12.510	10.000	25.1
gamma-BHC (Lindane)	3.601	3.550	3.650	11.320	10.000	13.2
Endrin	5.630	5.560	5.700	54.240	50.000	8.5
4,4'-DDT	6.027	5.960	6.100	122.880	100.000	22.9
Methoxychlor	6.601	6.530	6.670	270.650	250.000	8.3

Data File: PEM
 PL094950.D **Date Acquired** 3/31/2025 9:43
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	139463638.4	150787960.8	11324322.4	7.51
Endrin aldehyde	6.92	3633156.017			
Endrin ketone	7.64	7691166.383			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	236690453.5	256705109.3	20014655.8	7.80
Endrin aldehyde #2	6.10	7053153.194			
Endrin ketone #2	6.83	12961502.6			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	260500421.2	263015490.2	2515069.04	0.96
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	2515069.042			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	495461451.6	498590892.8	3129441.12	0.63
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	3129441.116			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094950.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 09:43
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:11:05 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	2.769	64773748	83893958	22.883	23.505
28) SA Decachlor...	9.053	7.902	51022059	95287649	24.210	23.590
Target Compounds						
2) A alpha-BHC	3.992	3.271	48675284	61047229	11.722	11.323
3) MA gamma-BHC...	4.325	3.601	47235950	58183775	11.838	11.321
6) B beta-BHC	4.524	3.902	21725122	27781540	11.774	12.507
14) MA Endrin	6.571	5.630	139.5E6	236.7E6	50.310m	54.241
16) A 4,4'-DDD	6.706	5.777	2515069	3129441	1.161m	0.870m#
17) MA 4,4'-DDT	7.022	6.027	260.5E6	495.5E6	109.521	122.879
18) B Endrin al...	6.921	6.104	3633156	7053153	1.721m	2.096
20) A Methoxychlor	7.500	6.601	313.1E6	574.1E6	261.541	270.646m
21) B Endrin ke...	7.642	6.831	7691166	12961503	2.910	2.716m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 09:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

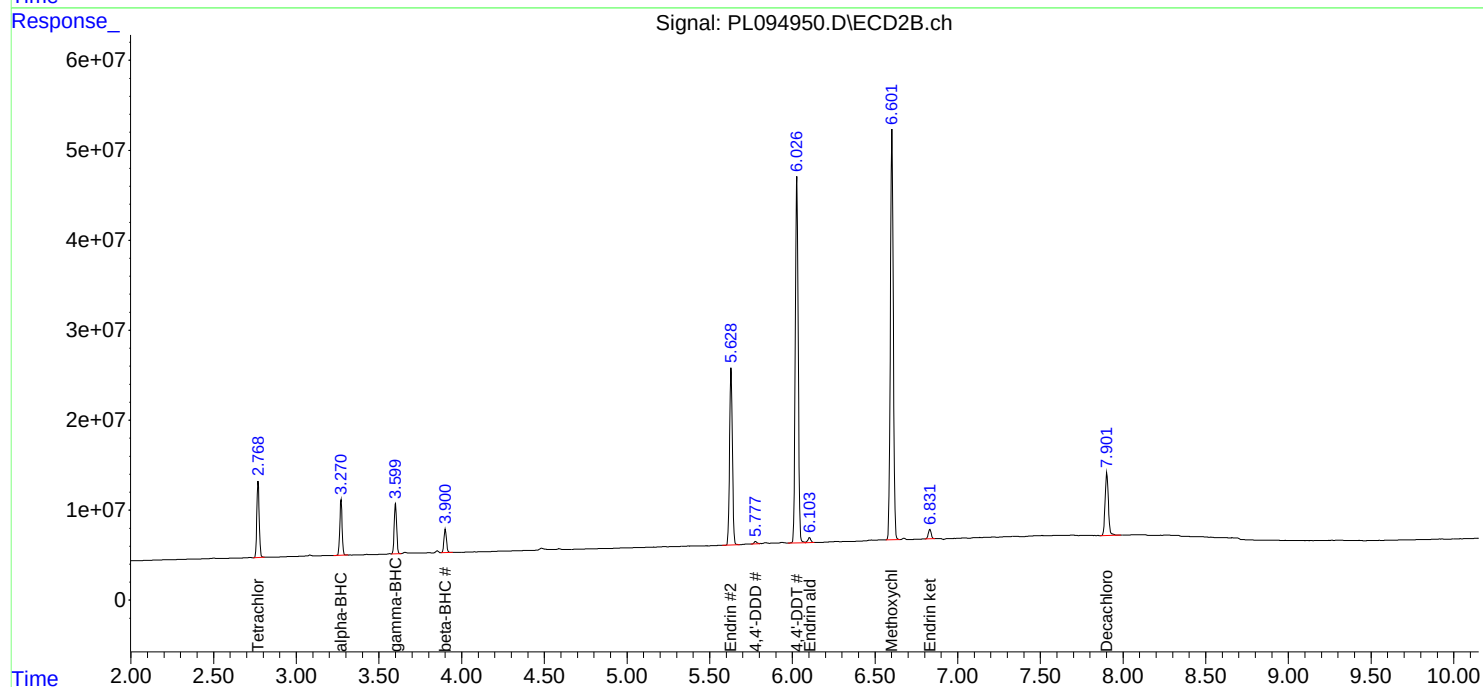
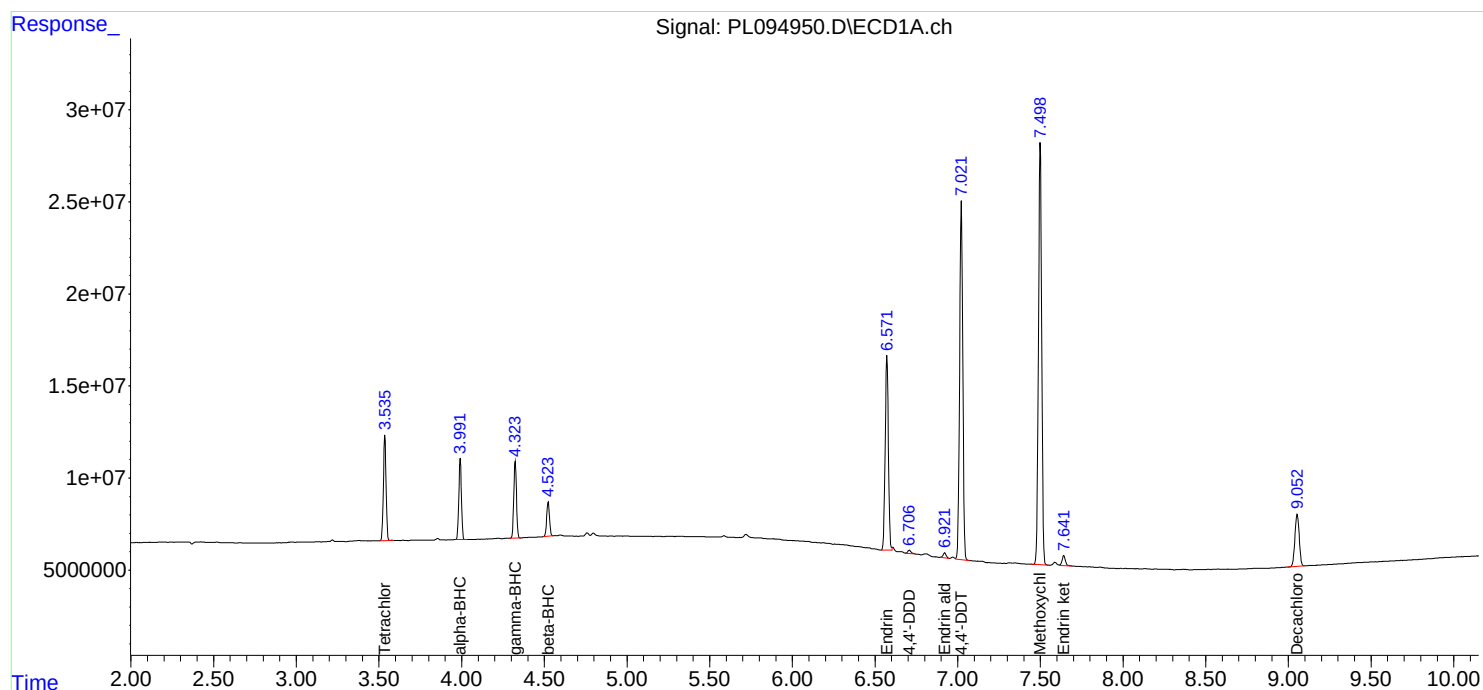
Instrument :
ECD_L
ClientSampleId :
PEM

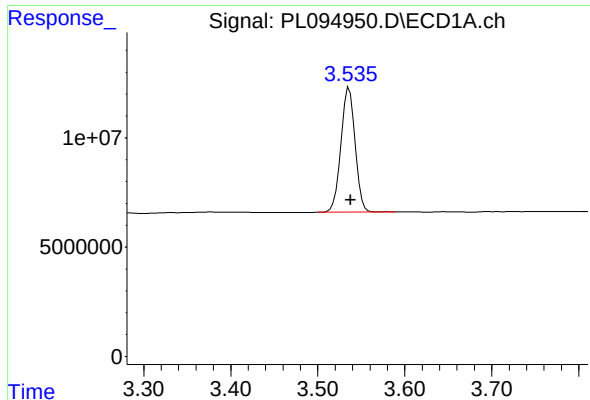
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:11:05 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





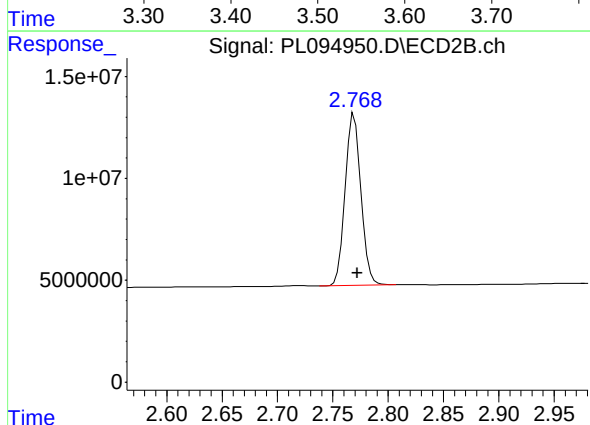
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 64773748
Conc: 22.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

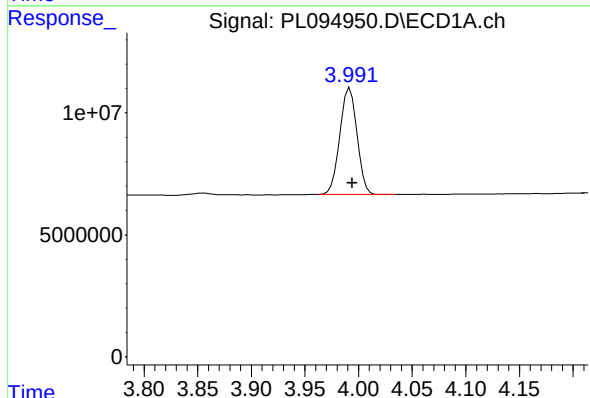
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



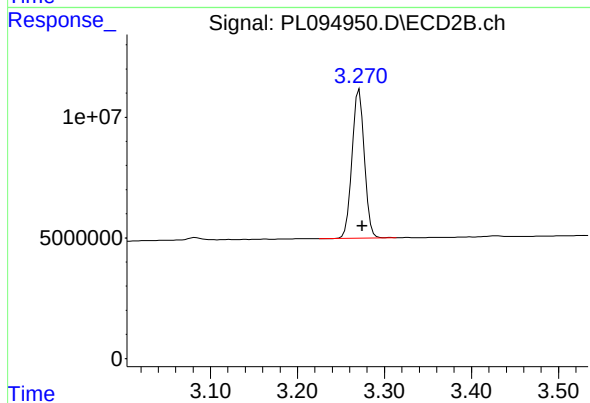
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 83893958
Conc: 23.50 ng/ml



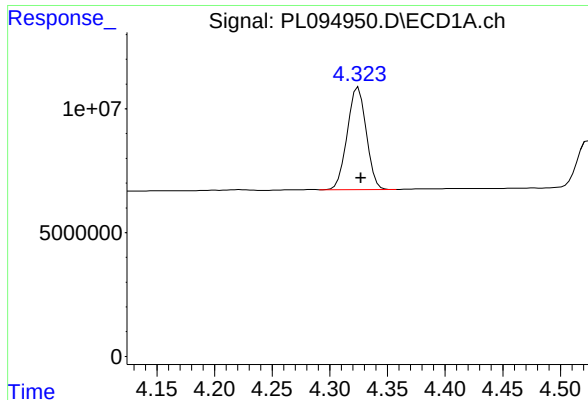
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 48675284
Conc: 11.72 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 61047229
Conc: 11.32 ng/ml



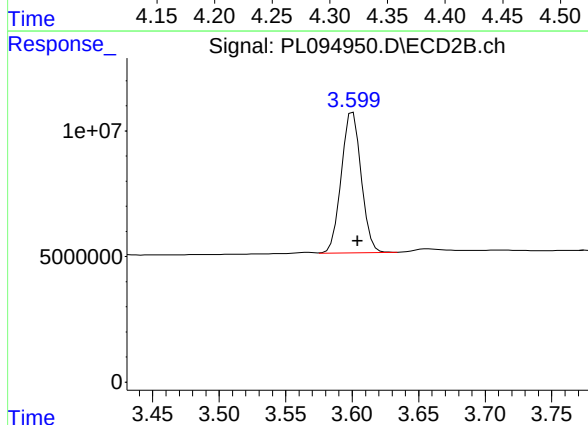
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 47235950
Conc: 11.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

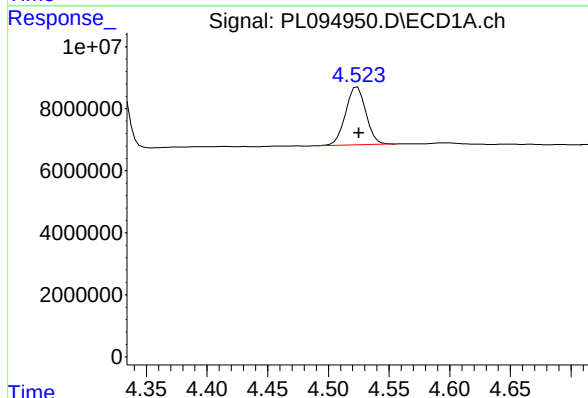
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



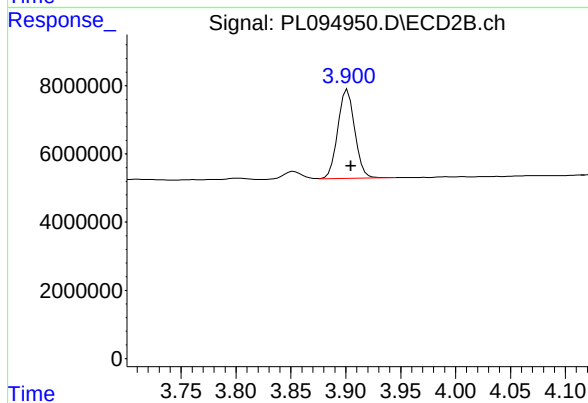
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.004 min
Response: 58183775
Conc: 11.32 ng/ml



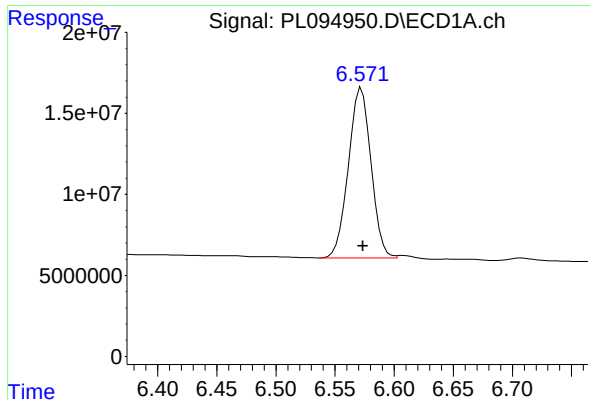
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 21725122
Conc: 11.77 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 27781540
Conc: 12.51 ng/ml



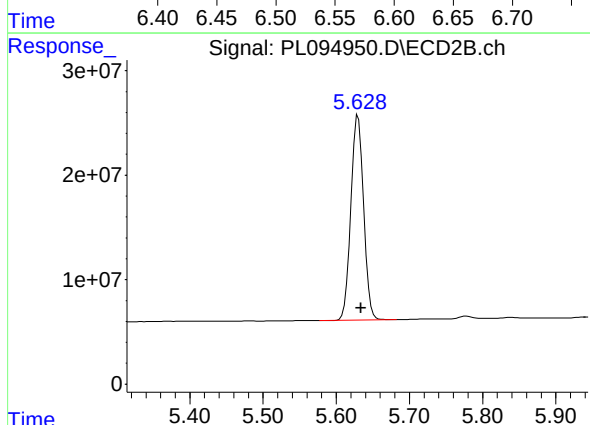
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 139463638
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

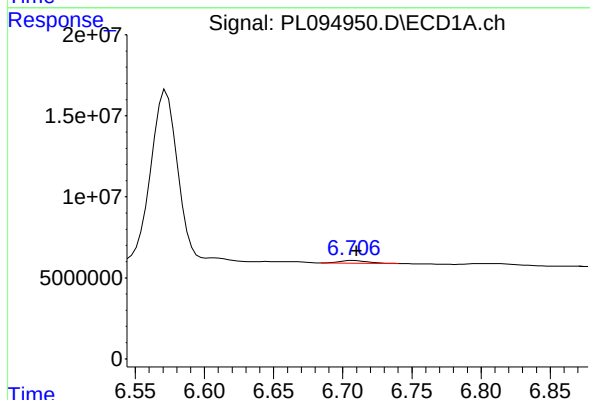
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



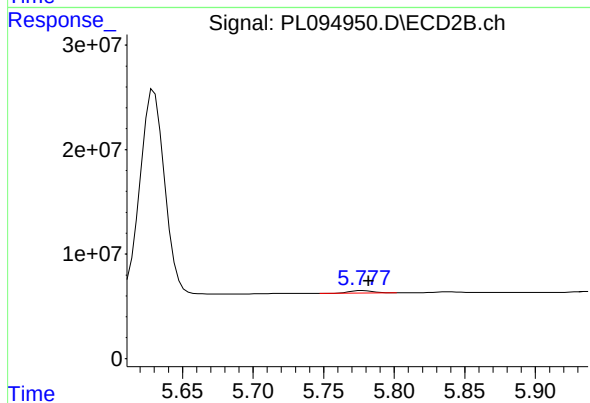
#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.004 min
Response: 236690454
Conc: 54.24 ng/ml



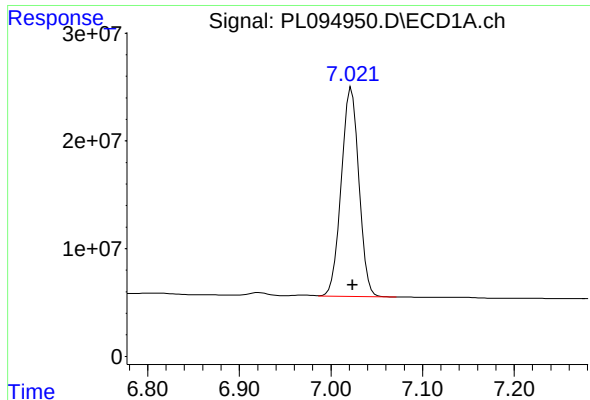
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 2515069
Conc: 1.16 ng/ml m



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 3129441
Conc: 0.87 ng/ml m



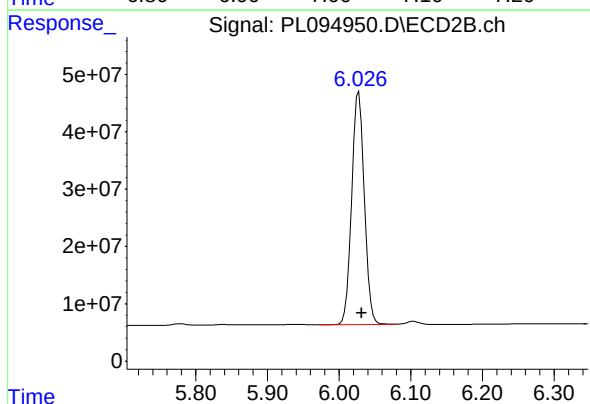
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 260500421
Conc: 109.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

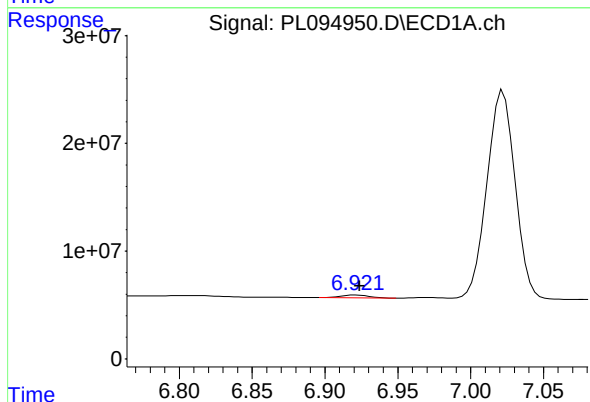
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



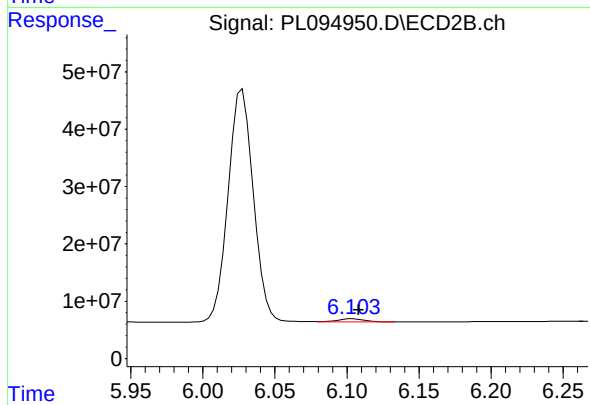
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.004 min
Response: 495461452
Conc: 122.88 ng/ml



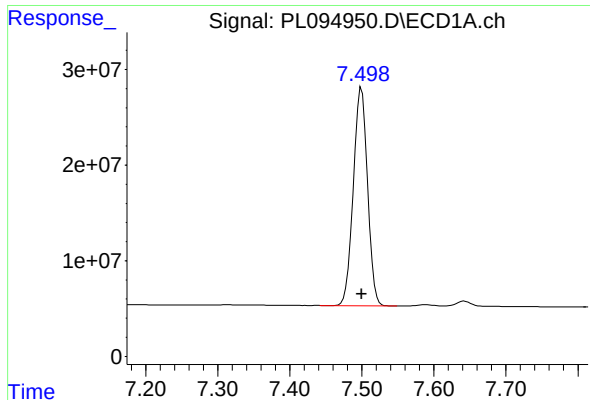
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 3633156
Conc: 1.72 ng/ml m



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 7053153
Conc: 2.10 ng/ml



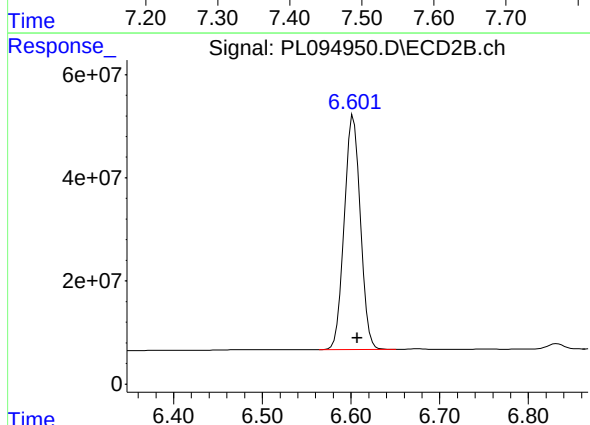
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 313083740
Conc: 261.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

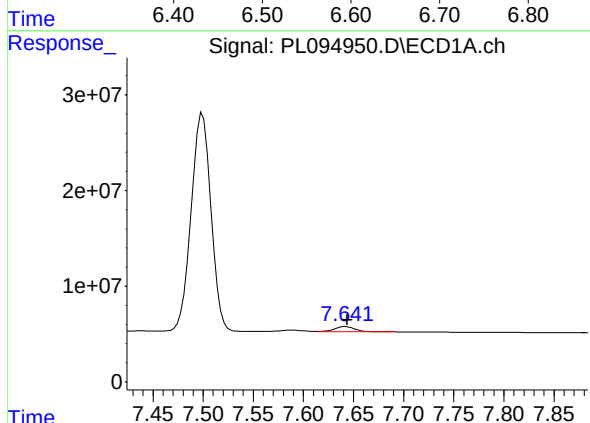
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



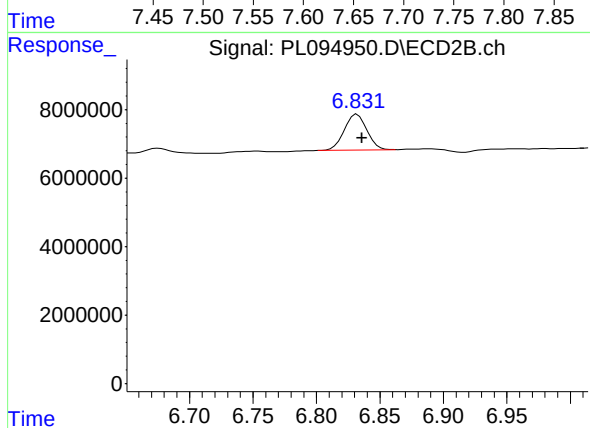
#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 574058557
Conc: 270.65 ng/ml



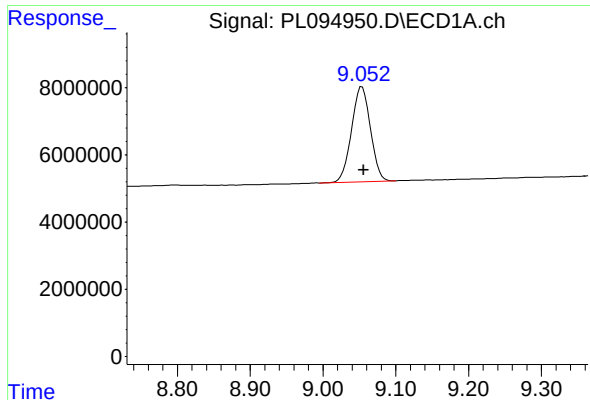
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.001 min
Response: 7691166
Conc: 2.91 ng/ml



#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 12961503
Conc: 2.72 ng/ml



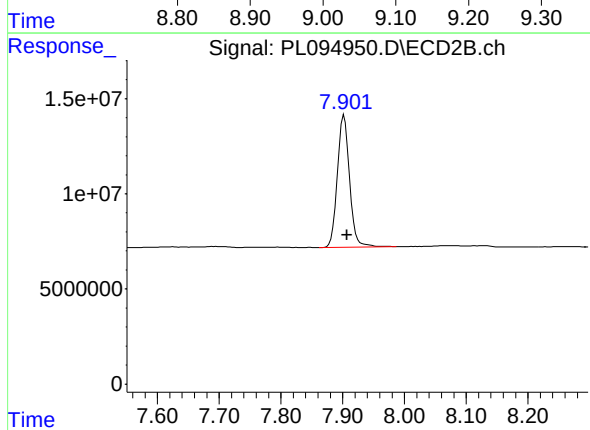
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 51022059
Conc: 24.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 95287649
Conc: 23.59 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **ROYF02**

Lab Code: **CHEM** Case No.: **Q1664** SAS No.: **Q1664** SDG NO.: **Q1664**

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

Client Sample No. (PEM): **PEM - PL094970.D** Date Analyzed: **03/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:59**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.053	8.950	9.150	25.990	20.000	30.0
Tetrachloro-m-xylene	3.536	3.490	3.590	23.100	20.000	15.5
alpha-BHC	3.992	3.940	4.040	12.000	10.000	20.0
beta-BHC	4.524	4.470	4.570	11.850	10.000	18.5
gamma-BHC (Lindane)	4.324	4.270	4.370	12.000	10.000	20.0
Endrin	6.571	6.500	6.640	52.170	50.000	4.3
4,4'-DDT	7.022	6.950	7.090	112.870	100.000	12.9
Methoxychlor	7.499	7.430	7.570	272.640	250.000	9.1

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

Client Sample No. (PEM): **PEM - PL094970.D** Date Analyzed: **03/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:59**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.903	7.800	8.000	24.660	20.000	23.3
Tetrachloro-m-xylene	2.770	2.720	2.820	23.750	20.000	18.8
alpha-BHC	3.271	3.220	3.320	11.450	10.000	14.5
beta-BHC	3.901	3.850	3.950	12.580	10.000	25.8
gamma-BHC (Lindane)	3.601	3.550	3.650	11.390	10.000	13.9
Endrin	5.630	5.560	5.700	55.390	50.000	10.8
4,4'-DDT	6.027	5.960	6.100	123.200	100.000	23.2
Methoxychlor	6.602	6.530	6.670	284.070	250.000	13.6

Data File: PEM
 PL094970.D **Date Acquired** 3/31/2025 19:59
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	144630548.8	158472158.9	13841610.1	8.73
Endrin aldehyde	6.92	4184488.132			
Endrin ketone	7.64	9657121.94			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	241722517.9	267186615.1	25464097.2	9.53
Endrin aldehyde #2	6.10	8441598.306			
Endrin ketone #2	6.83	17022498.86			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	268474249.2	275247957.5	6773708.29	2.46
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	6773708.292			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	496750530.6	506235033.4	9484502.72	1.87
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	9484502.721			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
 Data File : PL094970.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 19:59
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2025
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:15:12 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...	3.536	2.770	65400420	84767962	23.104	23.749
28)	SA Decachlor...	9.053	7.903	54771425	99613661	25.989	24.661
Target Compounds							
2)	A alpha-BHC	3.992	3.271	49835335	61718247	12.002	11.448
3)	MA gamma-BHC...	4.324	3.601	47882709	58535587	12.000	11.389
6)	B beta-BHC	4.524	3.901	21871396	27935909	11.853	12.576
14)	MA Endrin	6.571	5.630	144.6E6	241.7E6	52.174m	55.395
16)	A 4,4'-DDD	6.707	5.777	6773708	9484503	3.127m	2.638
17)	MA 4,4'-DDT	7.022	6.027	268.5E6	496.8E6	112.874	123.199
18)	B Endrin al...	6.921	6.104	4184488	8441598	1.982m	2.508 #
20)	A Methoxychlor	7.499	6.602	326.4E6	602.5E6	272.638	284.067m
21)	B Endrin ke...	7.642	6.830	9657122	17022499	3.653	3.567m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094970.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:59
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

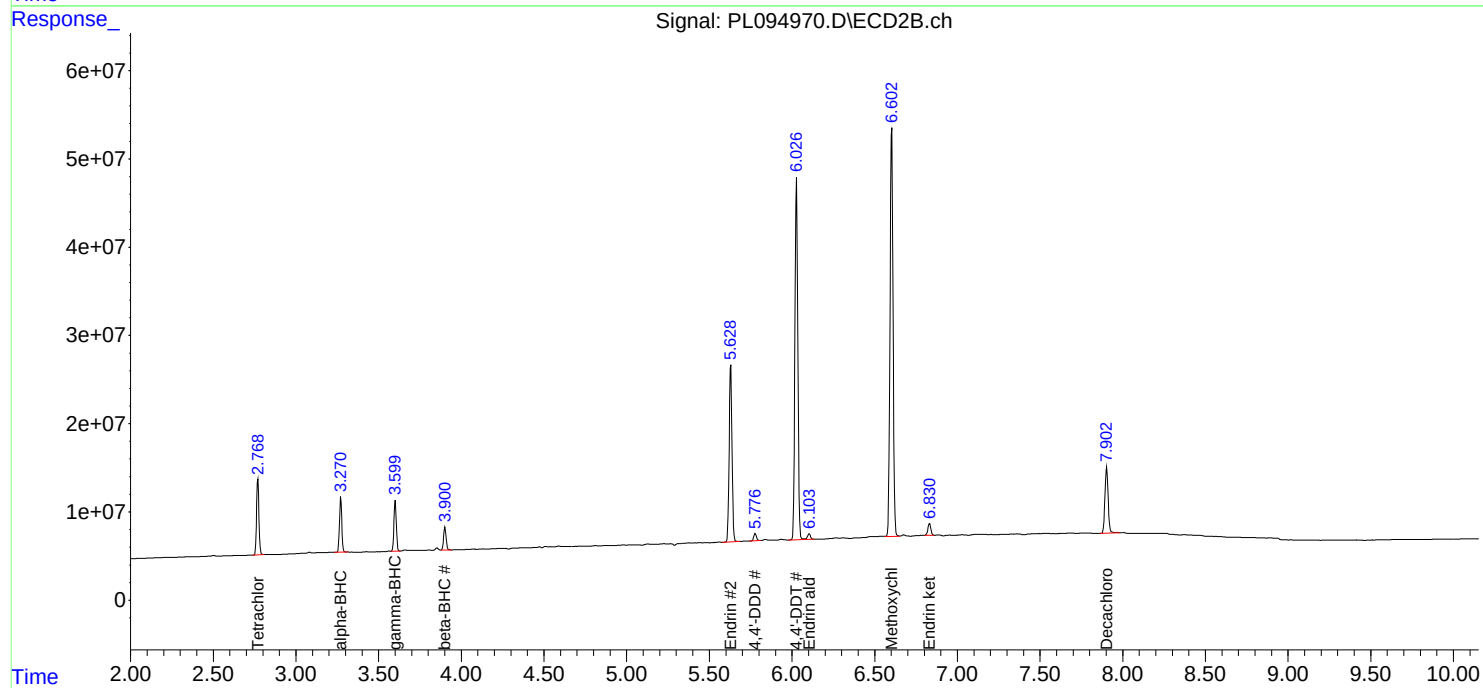
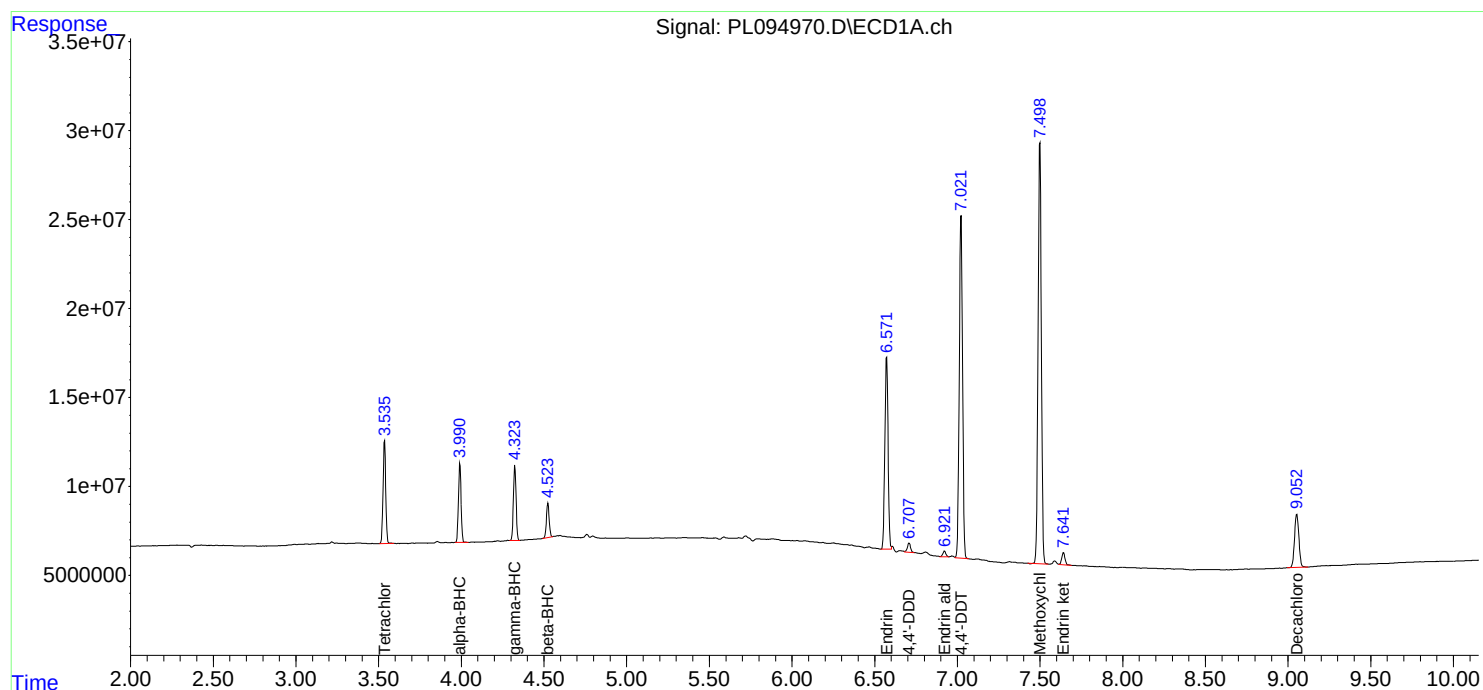
Instrument :
ECD_L
ClientSampleId :
PEM

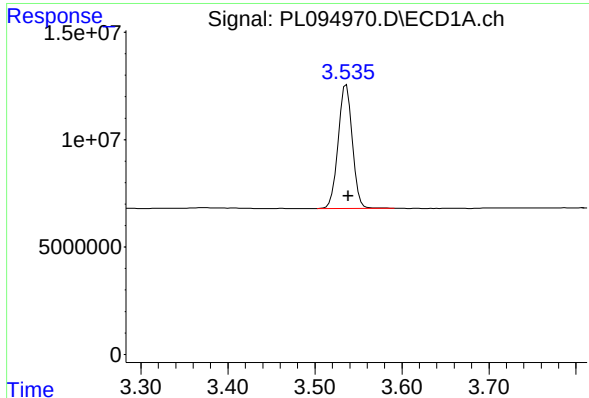
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:12 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





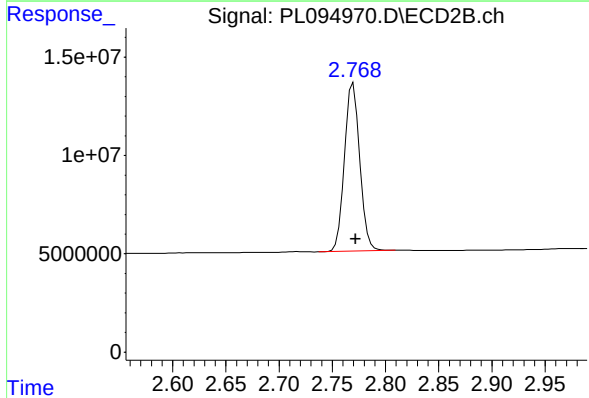
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 65400420
Conc: 23.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

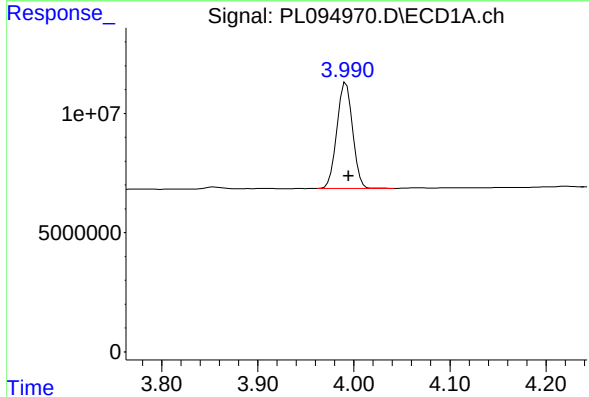
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



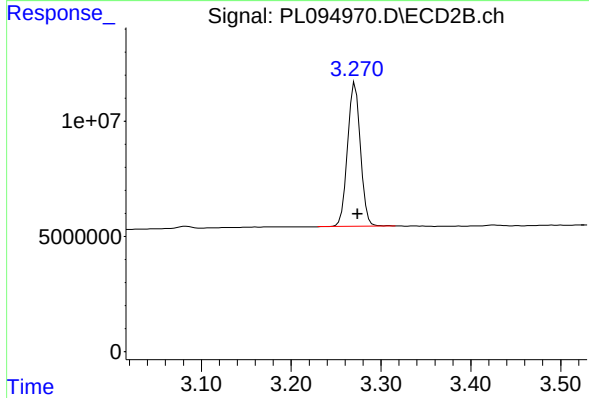
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 84767962
Conc: 23.75 ng/ml



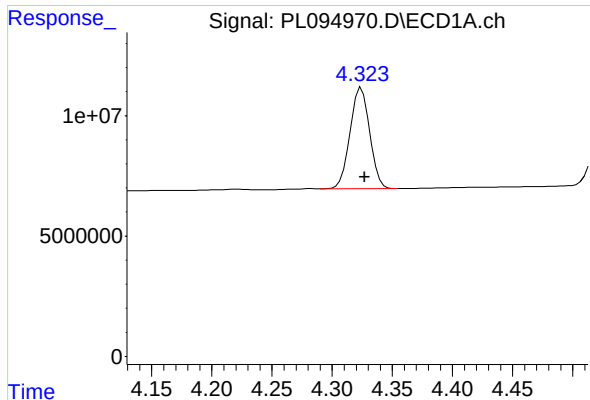
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 49835335
Conc: 12.00 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 61718247
Conc: 11.45 ng/ml



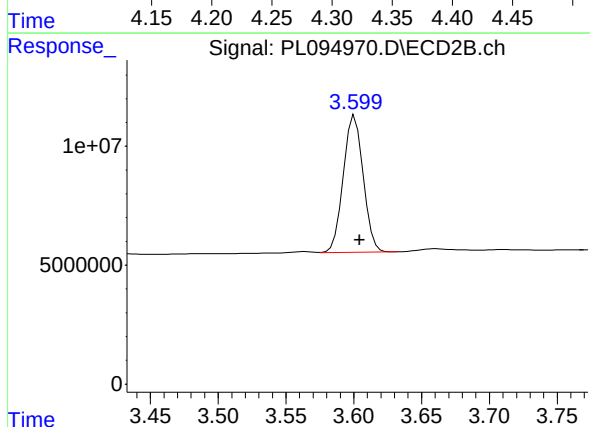
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 47882709
Conc: 12.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

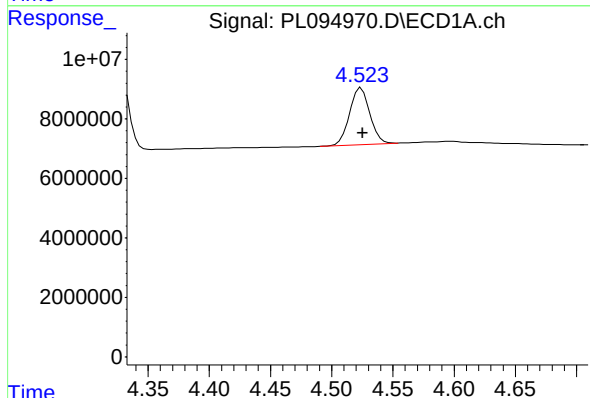
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



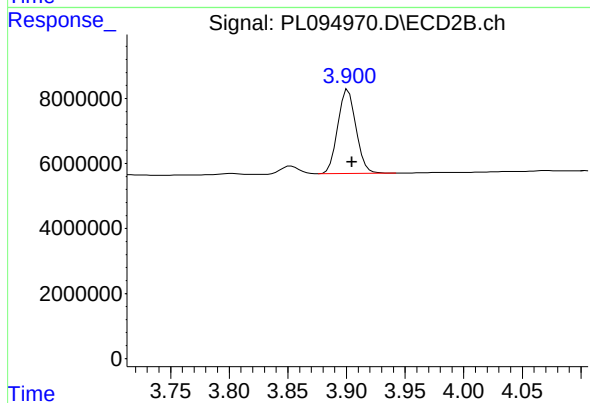
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.004 min
Response: 58535587
Conc: 11.39 ng/ml



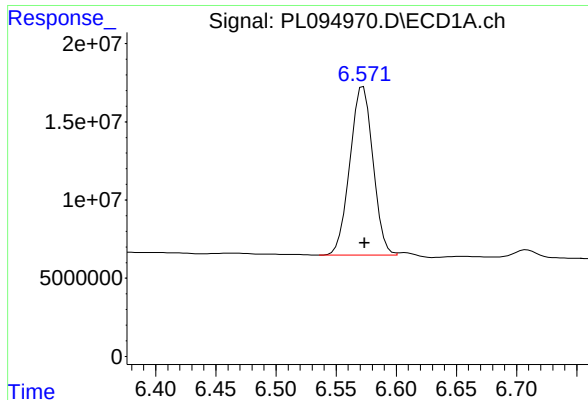
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 21871396
Conc: 11.85 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.003 min
Response: 27935909
Conc: 12.58 ng/ml



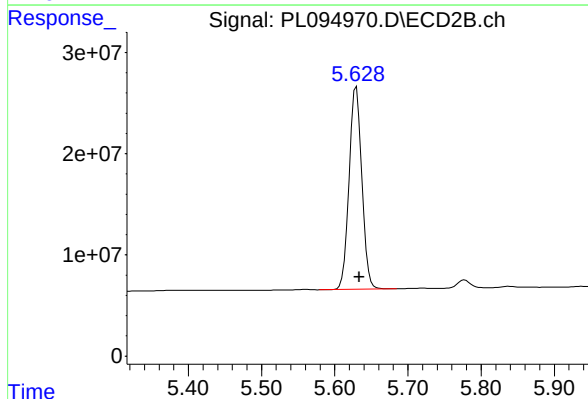
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 144630549
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

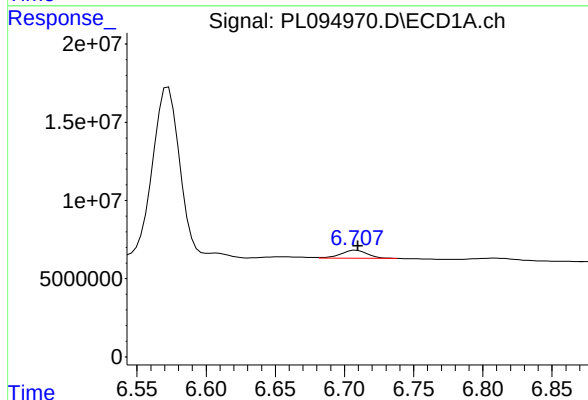
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



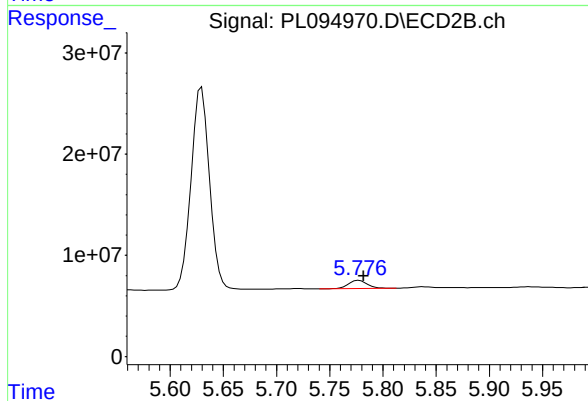
#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.004 min
Response: 241722518
Conc: 55.39 ng/ml



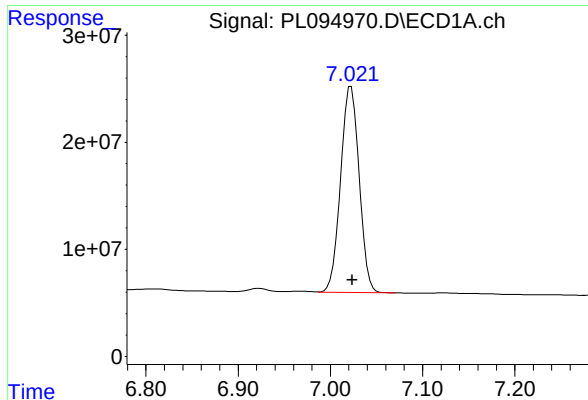
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 6773708
Conc: 3.13 ng/ml m



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 9484503
Conc: 2.64 ng/ml



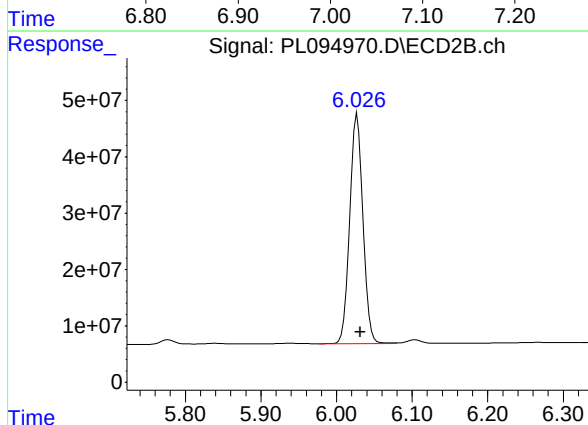
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 268474249
Conc: 112.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

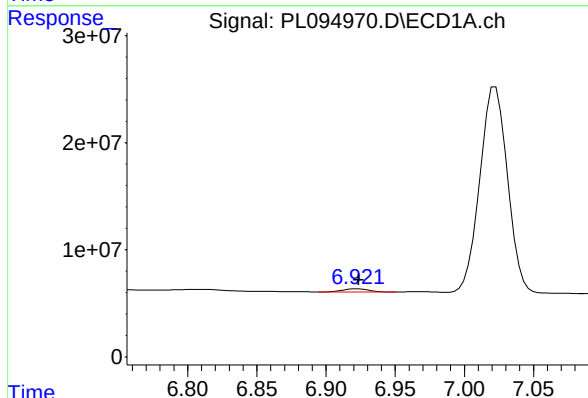
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



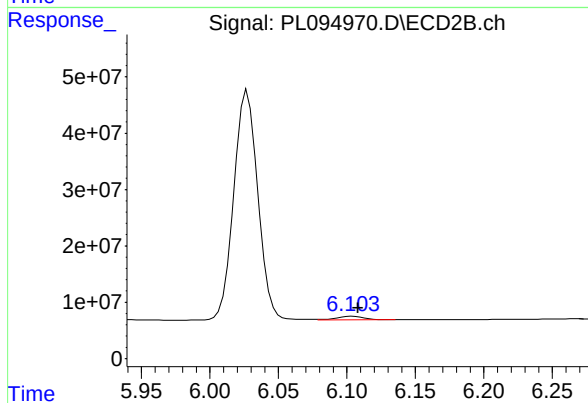
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.004 min
Response: 496750531
Conc: 123.20 ng/ml



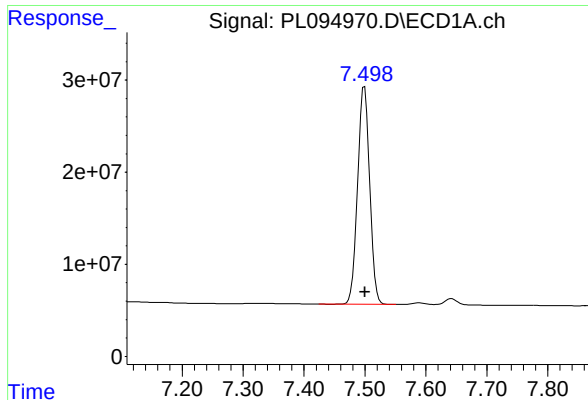
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 4184488
Conc: 1.98 ng/ml m



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 8441598
Conc: 2.51 ng/ml



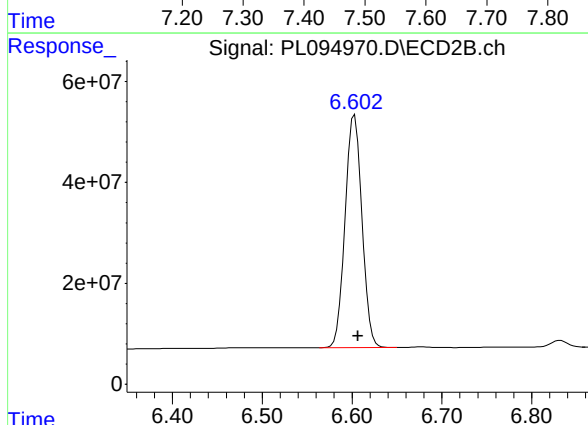
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 326367500
Conc: 272.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

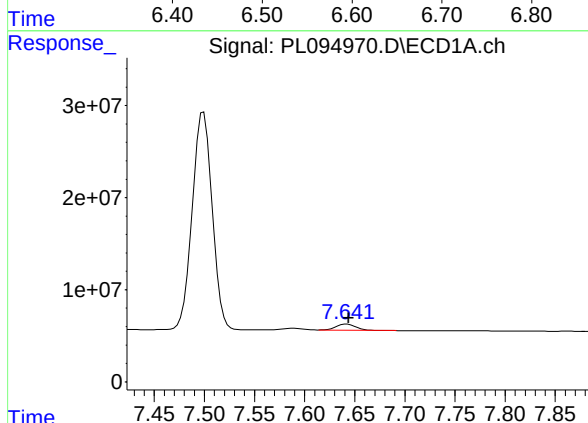
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



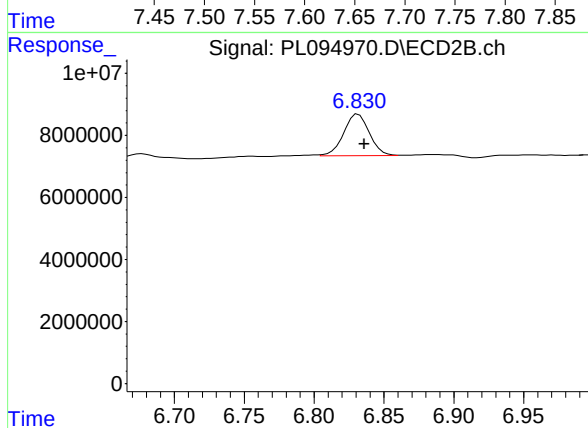
#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 602525983
Conc: 284.07 ng/ml



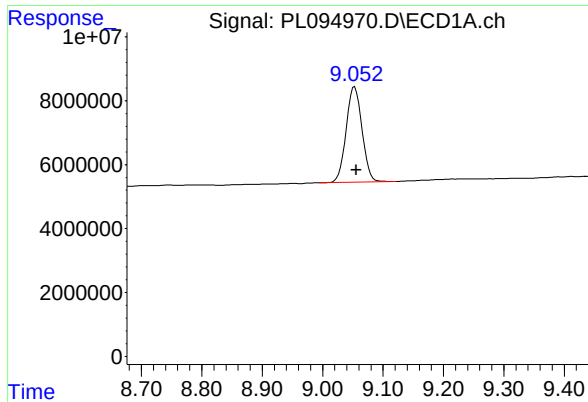
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 9657122
Conc: 3.65 ng/ml



#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 17022499
Conc: 3.57 ng/ml



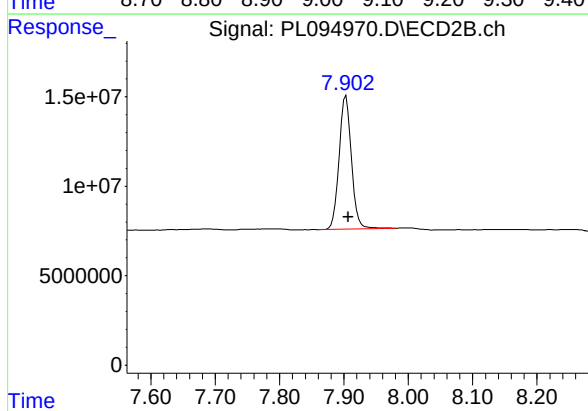
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 54771425
Conc: 25.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 99613661
Conc: 24.66 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **ROYF02**

Lab Code: **CHEM** Case No.: **Q1664** SAS No.: **Q1664** SDG NO.: **Q1664**

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

Client Sample No. (PEM): **PEM - PL095028.D** Date Analyzed: **04/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:44**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.052	8.950	9.150	23.750	20.000	18.8
Tetrachloro-m-xylene	3.537	3.490	3.590	21.090	20.000	5.5
alpha-BHC	3.993	3.940	4.040	10.960	10.000	9.6
beta-BHC	4.525	4.470	4.580	11.110	10.000	11.1
gamma-BHC (Lindane)	4.326	4.280	4.380	11.060	10.000	10.6
Endrin	6.573	6.500	6.640	45.460	50.000	-9.1
4,4'-DDT	7.023	6.950	7.090	102.940	100.000	2.9
Methoxychlor	7.499	7.430	7.570	250.020	250.000	0.0

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

Client Sample No. (PEM): **PEM - PL095028.D** Date Analyzed: **04/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:44**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.902	7.800	8.000	20.880	20.000	4.4
Tetrachloro-m-xylene	2.770	2.720	2.820	21.480	20.000	7.4
alpha-BHC	3.272	3.220	3.320	10.310	10.000	3.1
beta-BHC	3.902	3.850	3.950	11.520	10.000	15.2
gamma-BHC (Lindane)	3.602	3.550	3.650	10.310	10.000	3.1
Endrin	5.630	5.560	5.700	49.570	50.000	-0.9
4,4'-DDT	6.028	5.960	6.100	113.600	100.000	13.6
Methoxychlor	6.602	6.530	6.670	261.650	250.000	4.7

Data File: PEM
 PL095028.D **Date Acquired** 4/3/2025 10:44
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	126019678.2	137475963	11456284.8	8.33
Endrin aldehyde	6.92	3920722.171			
Endrin ketone	7.64	7535562.663			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	216311490.8	237020529.2	20709038.4	8.74
Endrin aldehyde #2	6.10	7286181.475			
Endrin ketone #2	6.83	13422856.95			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	244850545.7	247788873.9	2938328.19	1.19
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	2938328.192			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	458031415.4	462246089.5	4214674.15	0.91
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	4214674.146			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
 Data File : PL095028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 10:44
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/04/2025
 Supervised By : mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 02:34:00 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...	3.537	2.770	59701278	76652115	21.091	21.476
28) SA Decachlor...	9.052	7.902	50046086	84325124	23.747	20.876
Target Compounds						
2) A alpha-BHC	3.993	3.272	45504082	55574217	10.959	10.308
3) MA gamma-BHC...	4.326	3.602	44134117	52997664	11.060	10.312
6) B beta-BHC	4.525	3.902	20506707	25590781	11.113	11.521
14) MA Endrin	6.573	5.630	126.0E6	216.3E6	45.460	49.571
16) A 4,4'-DDD	6.707	5.776	2938328	4214674	1.357m	1.172m
17) MA 4,4'-DDT	7.023	6.028	244.9E6	458.0E6	102.942	113.596
18) B Endrin al...	6.921	6.104	3920722	7286181	1.857m	2.165
20) A Methoxychlor	7.499	6.602	299.3E6	555.0E6	250.019	261.652
21) B Endrin ke...	7.643	6.830	7535563	13422857	2.851	2.812m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 10:44
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

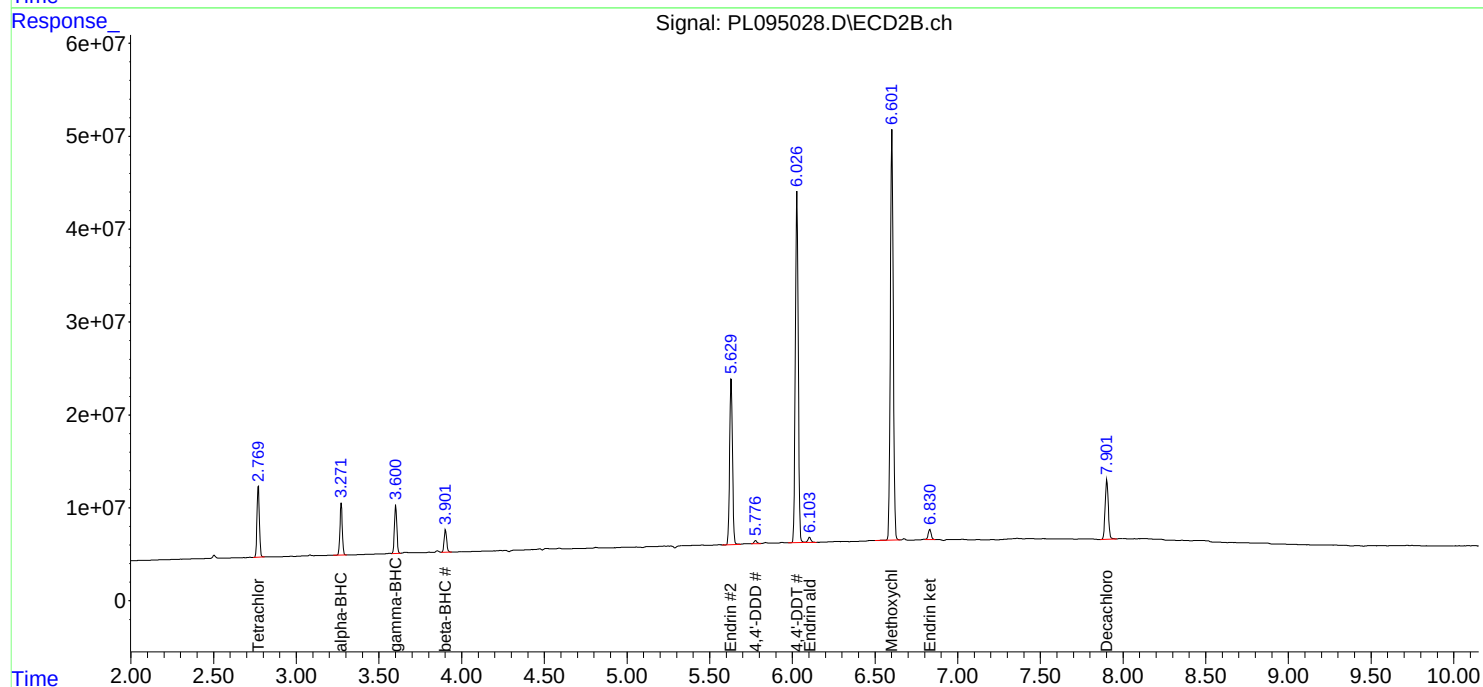
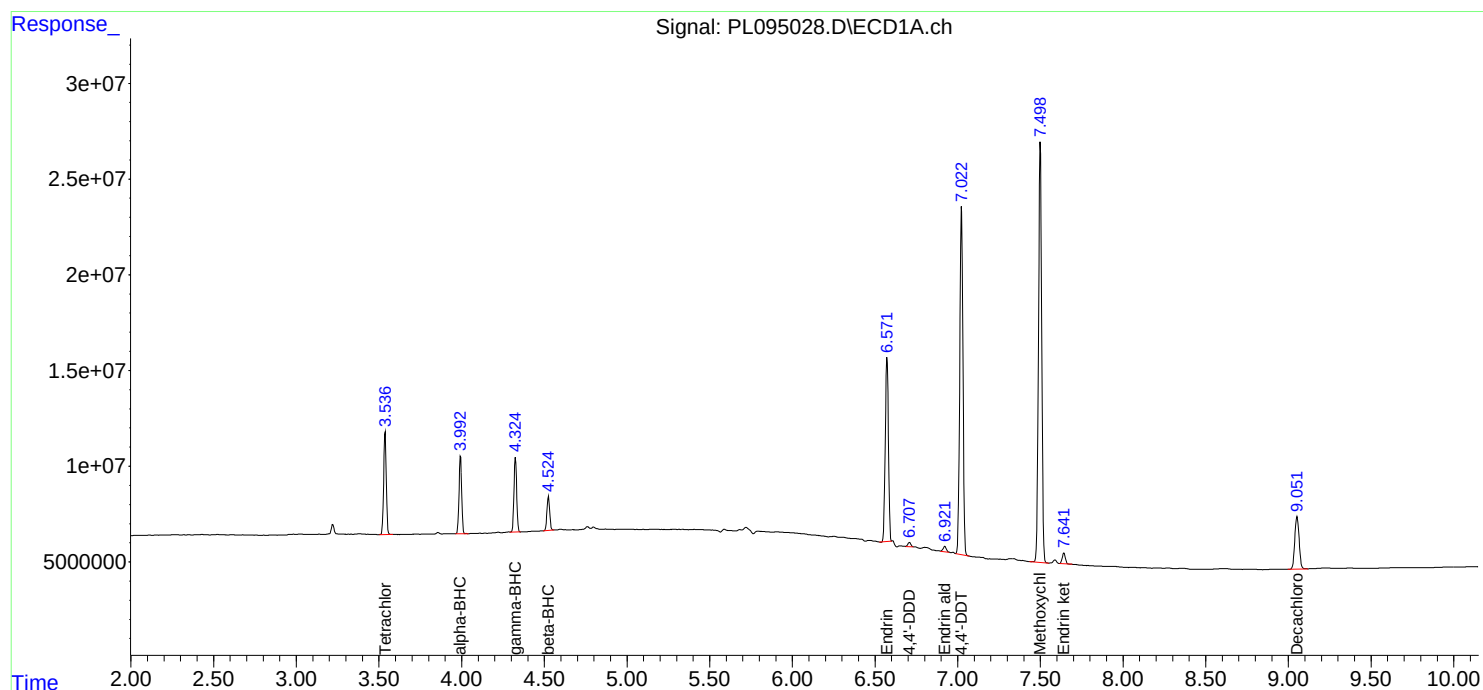
Instrument :
ECD_L
ClientSampleId :
PEM

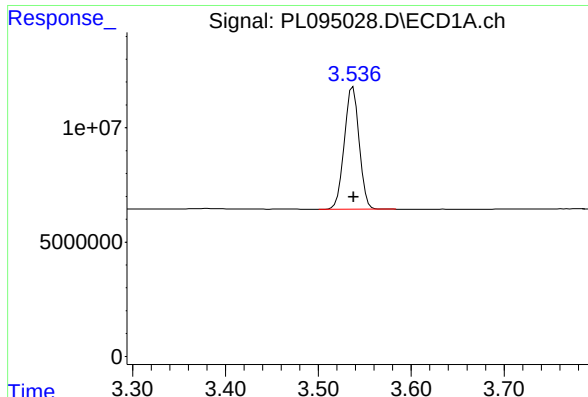
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/04/2025
Supervised By : mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:34:00 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





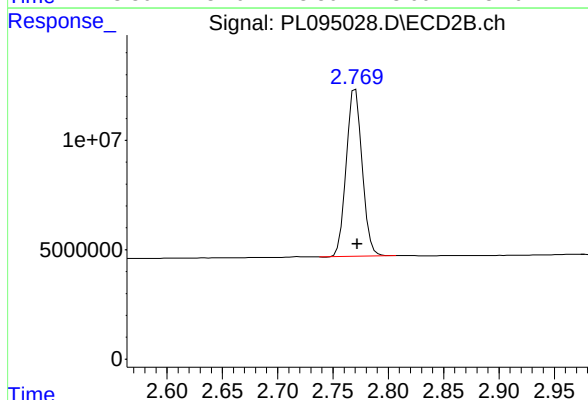
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 59701278
Conc: 21.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

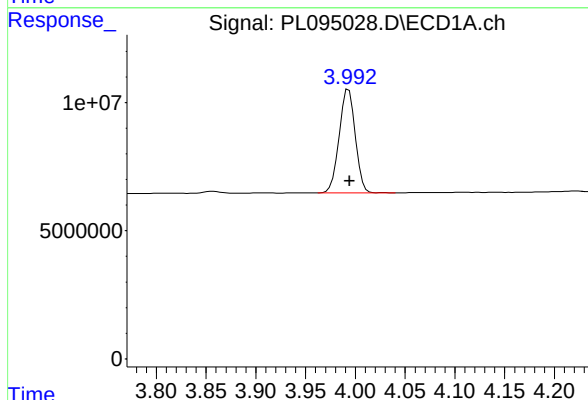
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



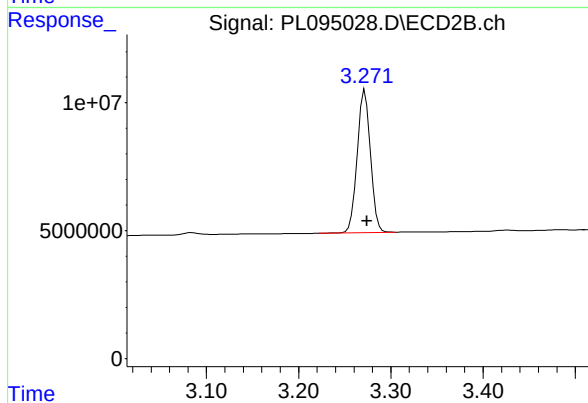
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 76652115
Conc: 21.48 ng/ml



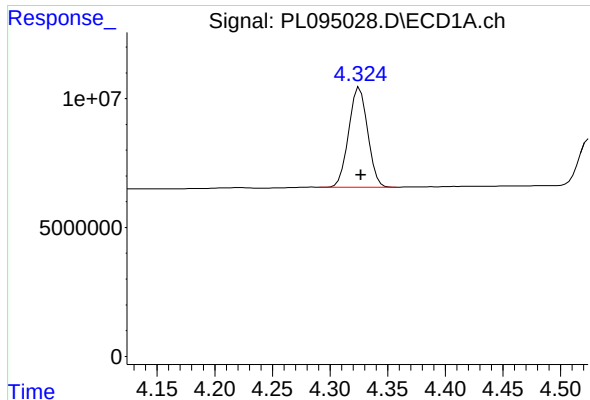
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 45504082
Conc: 10.96 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 55574217
Conc: 10.31 ng/ml



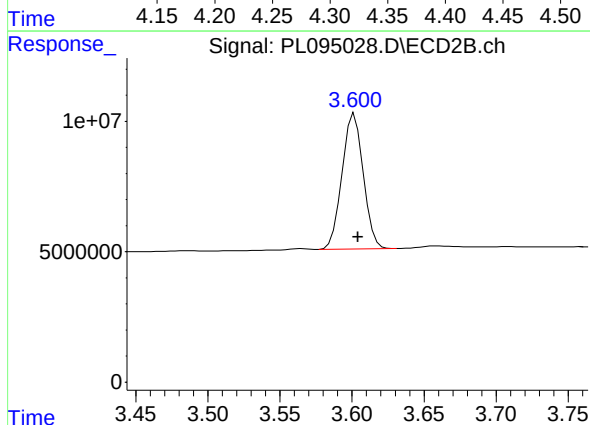
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 44134117
Conc: 11.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

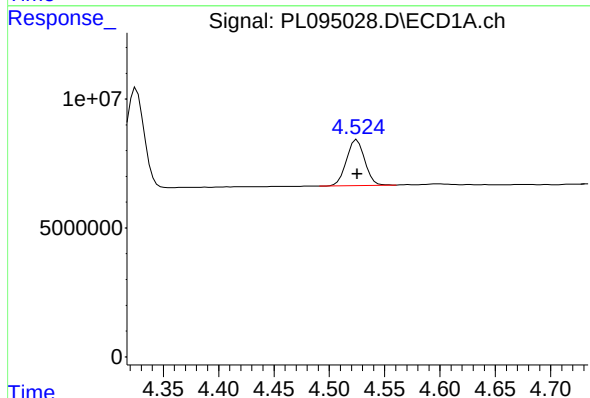
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



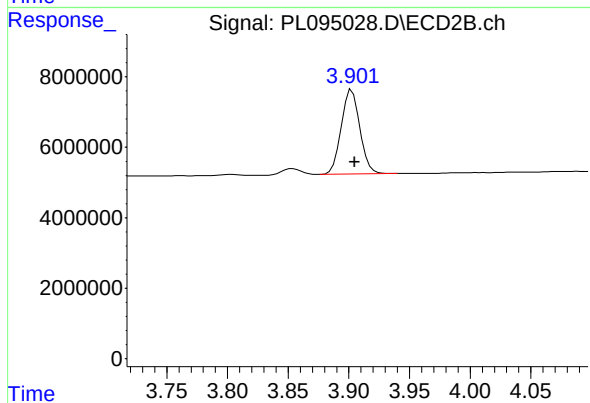
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.003 min
Response: 52997664
Conc: 10.31 ng/ml



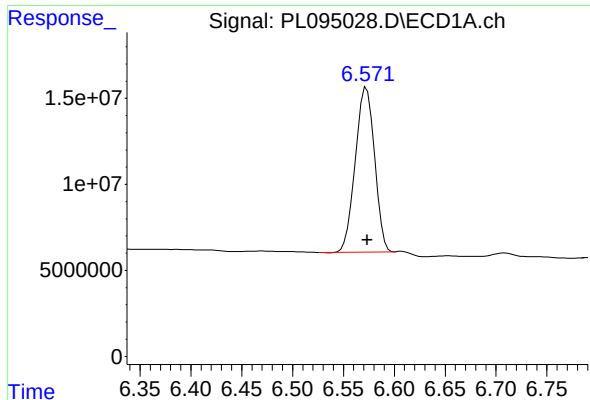
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 20506707
Conc: 11.11 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 25590781
Conc: 11.52 ng/ml



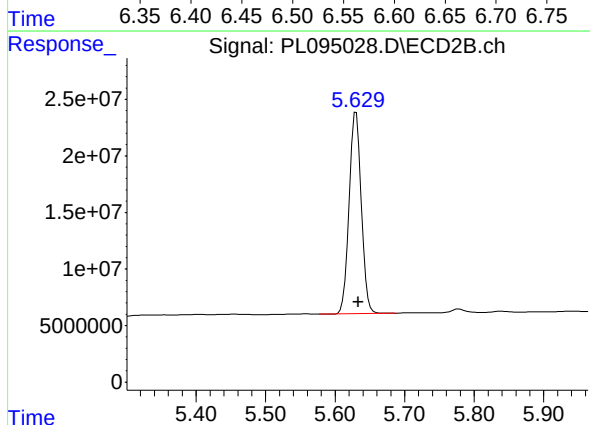
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 126019678
Conc: 45.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

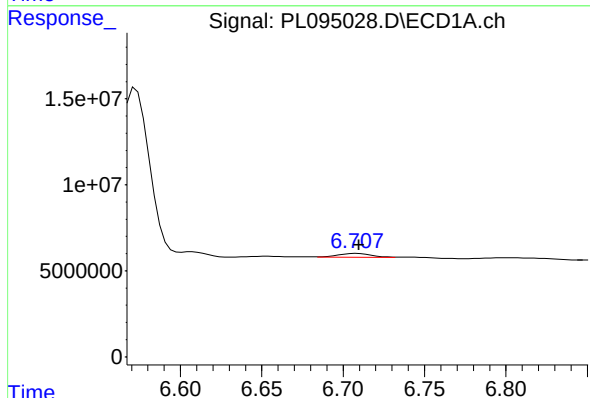
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



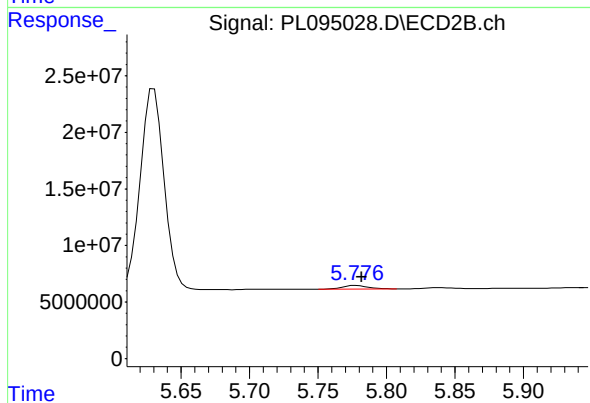
#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 216311491
Conc: 49.57 ng/ml



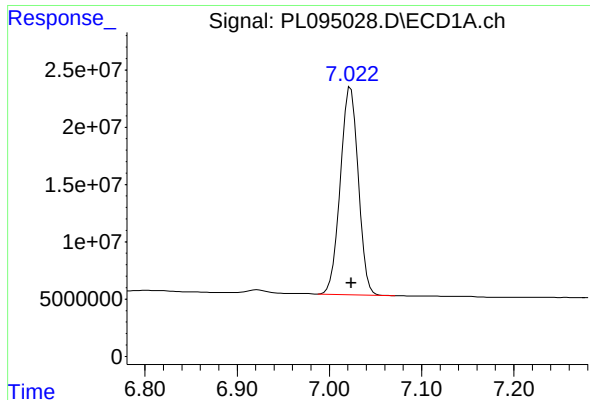
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 2938328
Conc: 1.36 ng/ml m



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.005 min
Response: 4214674
Conc: 1.17 ng/ml m



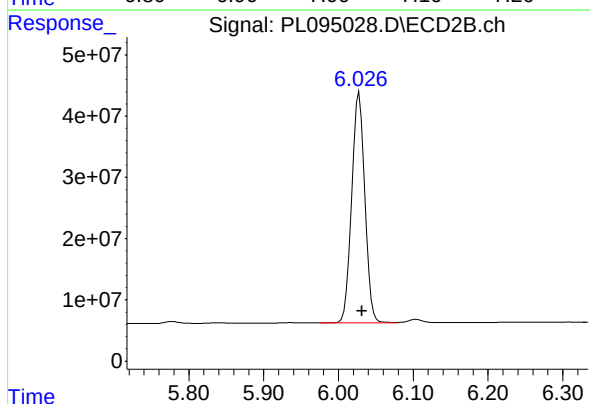
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 244850546
Conc: 102.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

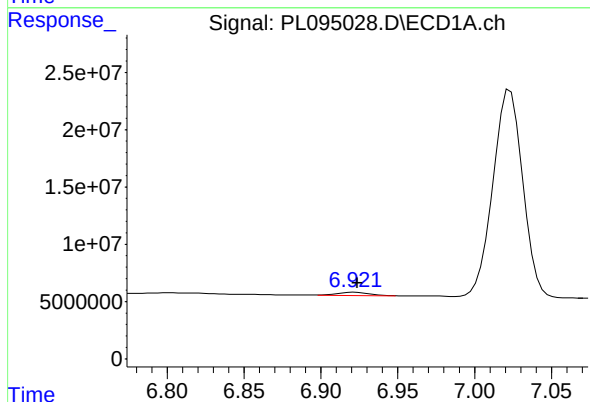
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



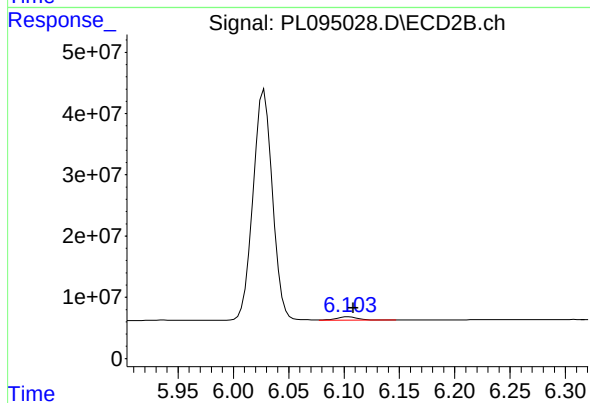
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 458031415
Conc: 113.60 ng/ml



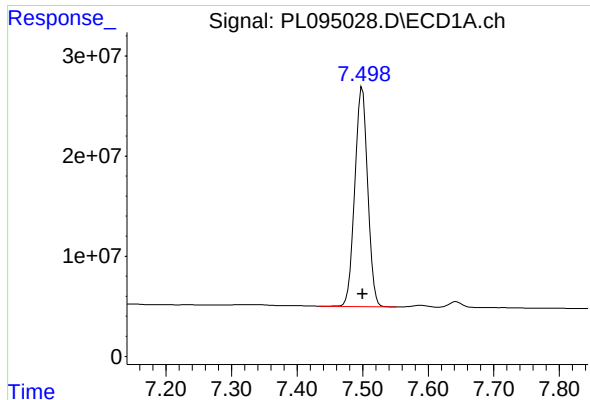
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.003 min
Response: 3920722
Conc: 1.86 ng/ml m



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 7286181
Conc: 2.17 ng/ml



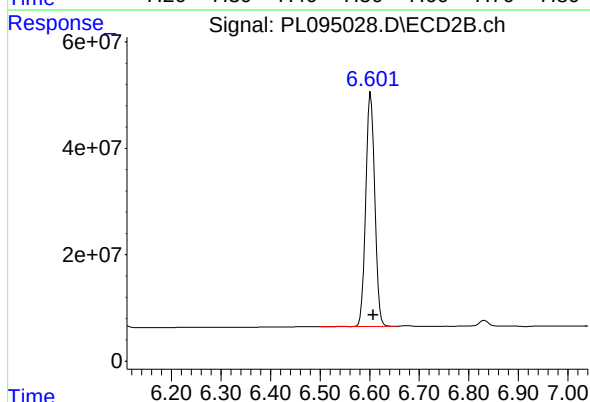
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 299290746
Conc: 250.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

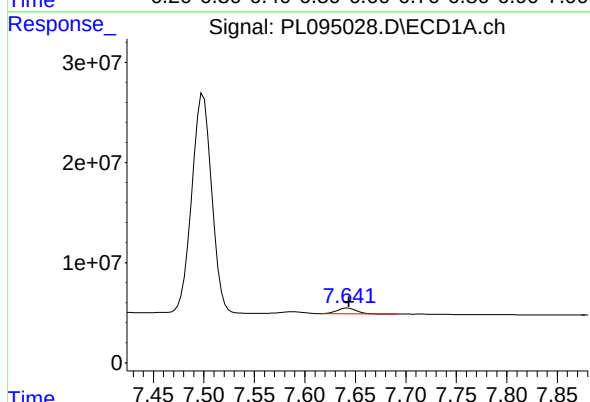
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



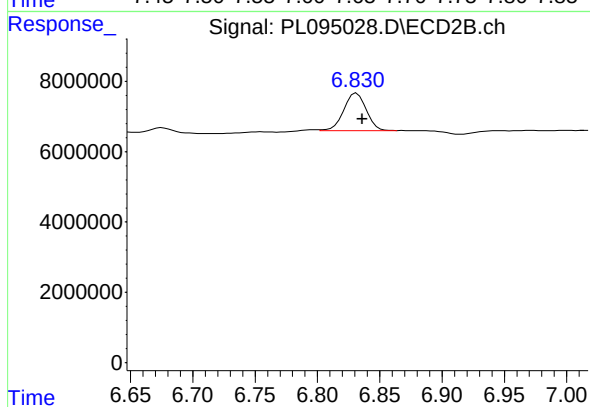
#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 554981393
Conc: 261.65 ng/ml



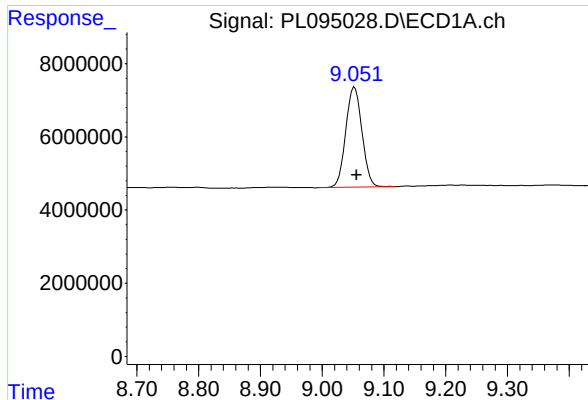
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 7535563
Conc: 2.85 ng/ml



#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 13422857
Conc: 2.81 ng/ml m



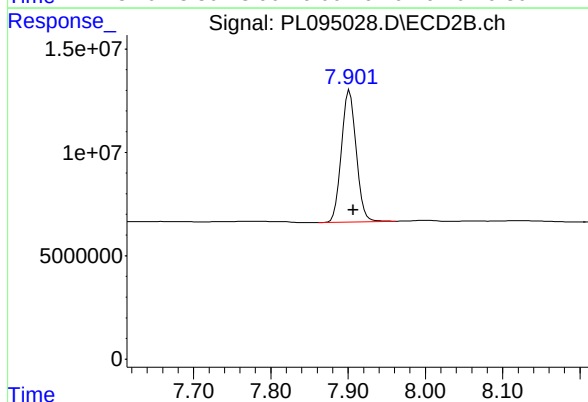
#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 50046086
Conc: 23.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 84325124
Conc: 20.88 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

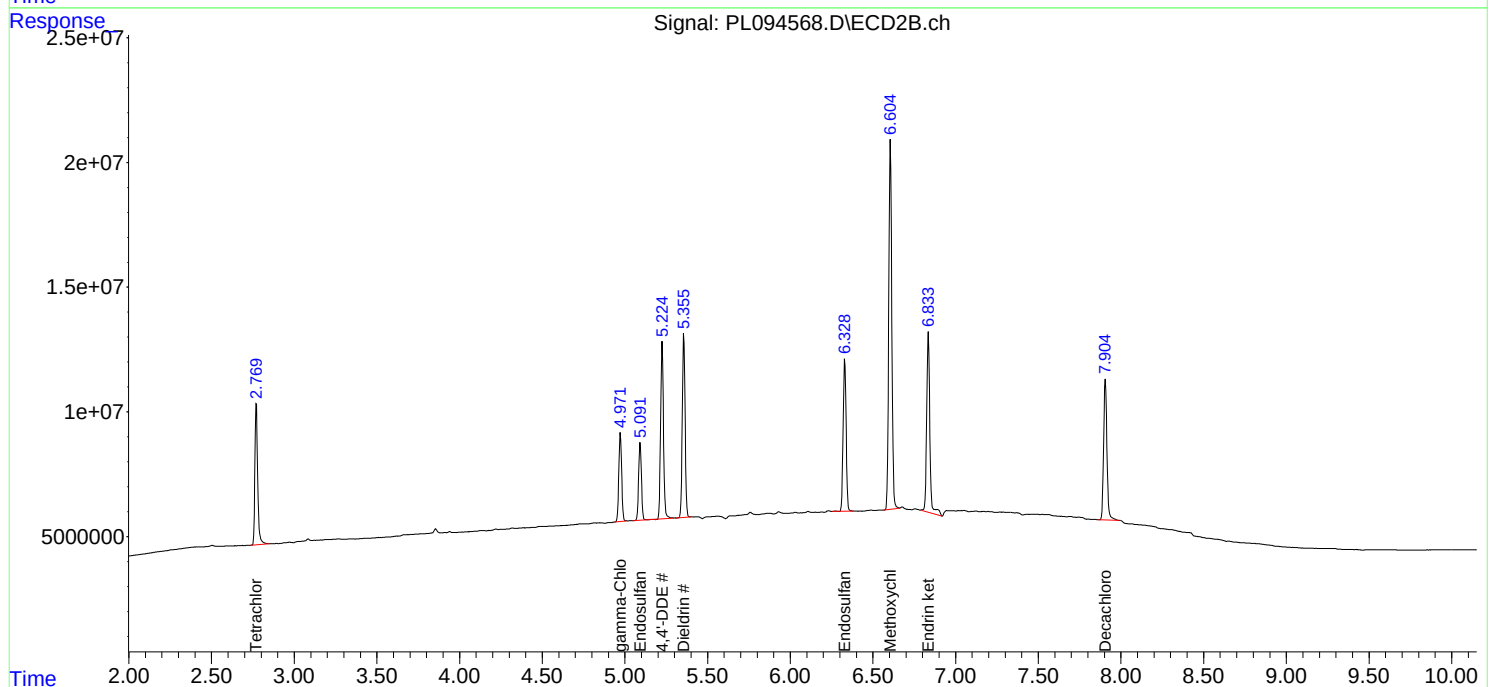
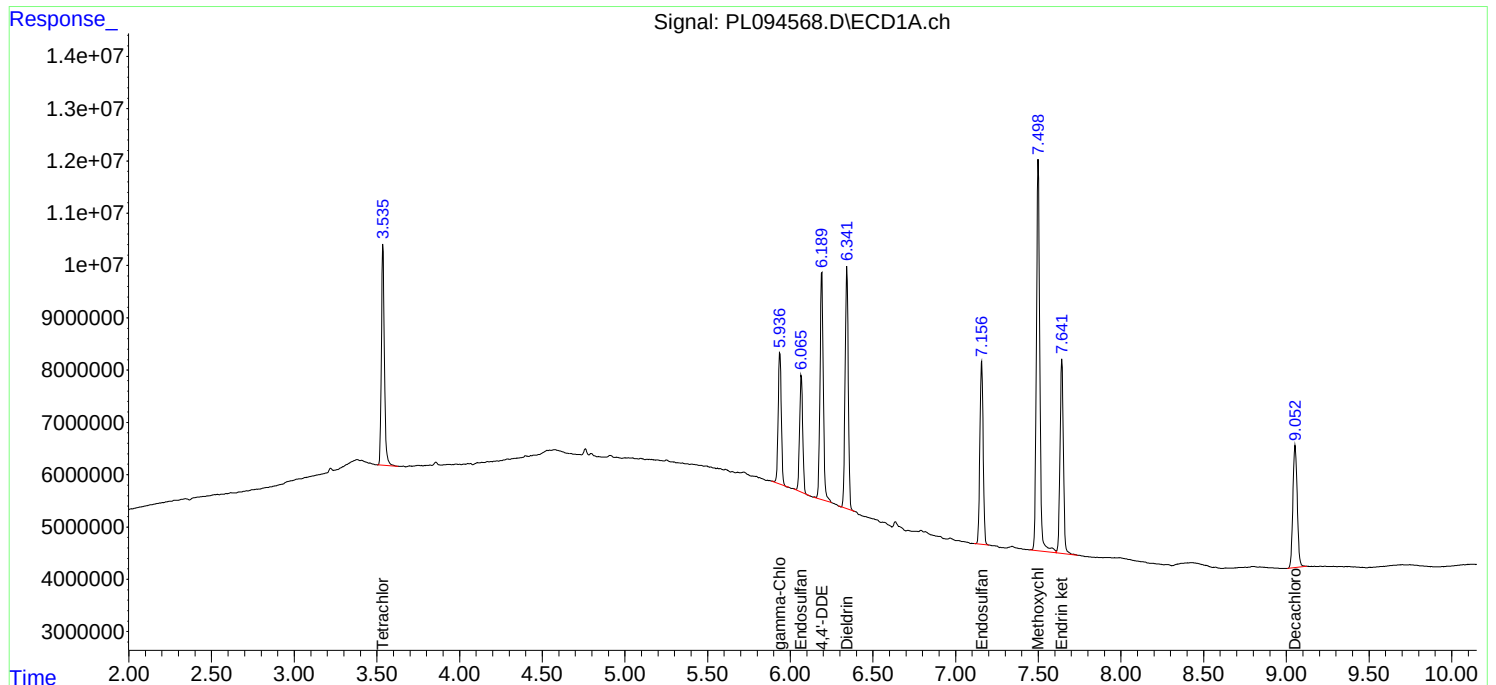
Instrument :
ECD_L
ClientSampleId :
RESCHK

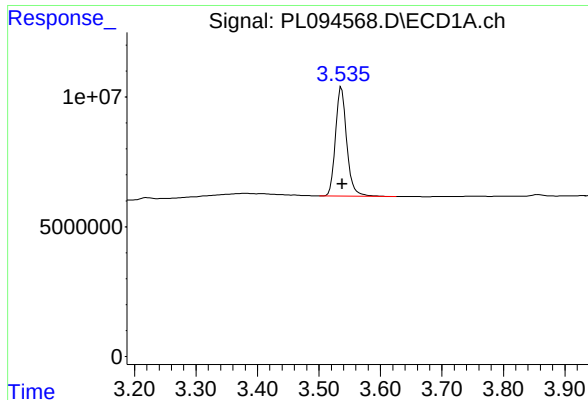
Manual Integrations
APPROVED

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





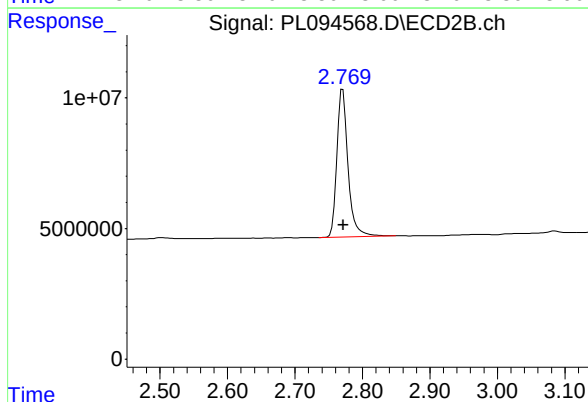
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

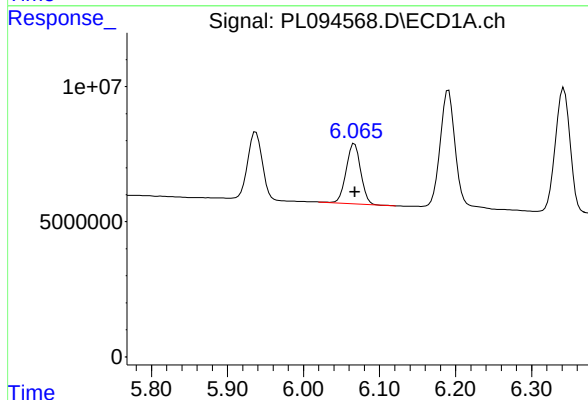
Manual Integrations
APPROVED

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



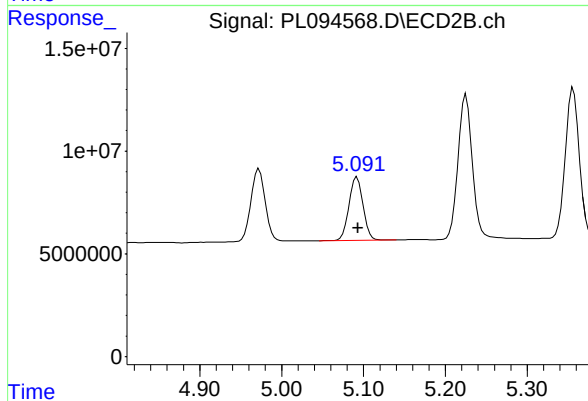
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 65423025
Conc: 18.33 ng/ml



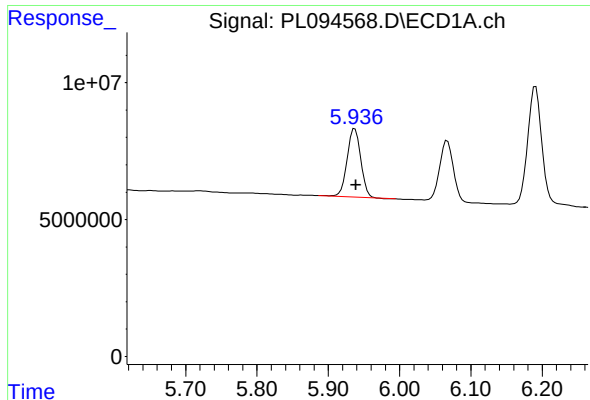
#9 Endosulfan I

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



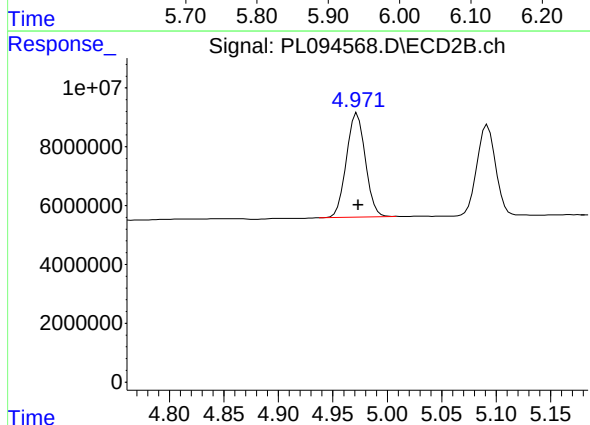
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

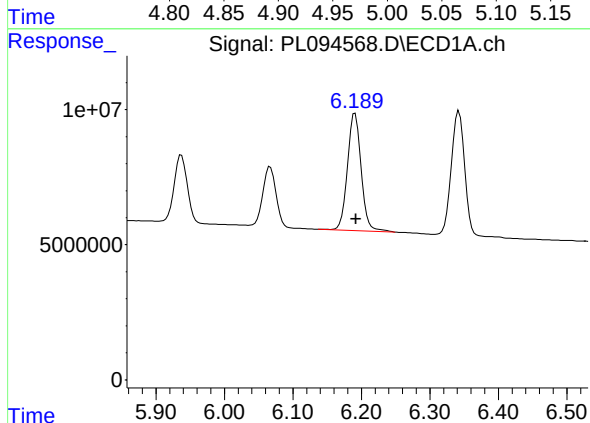
Manual Integrations
APPROVED

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



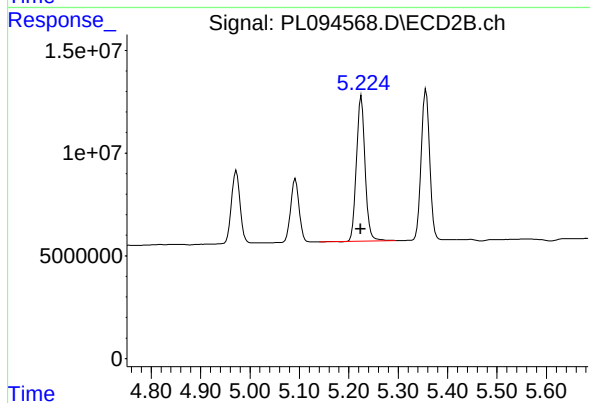
#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 42863759
Conc: 8.88 ng/ml



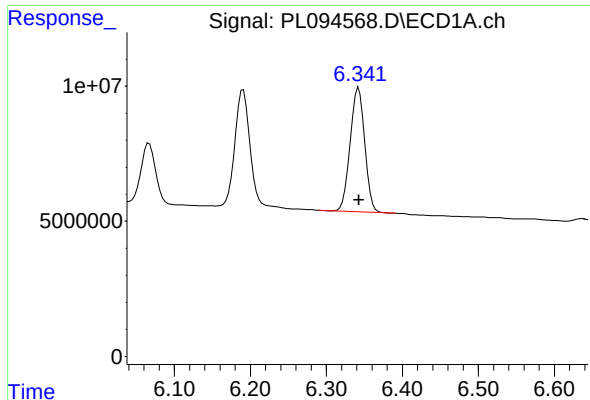
#12 4,4'-DDE

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



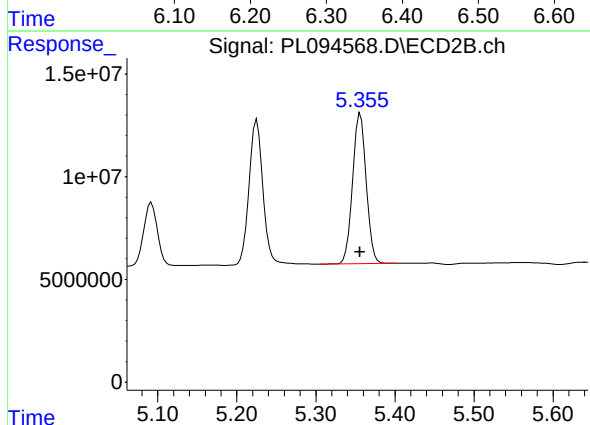
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

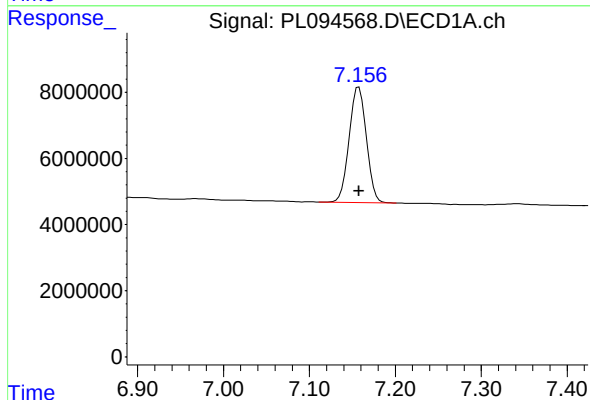
Manual Integrations
APPROVED

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



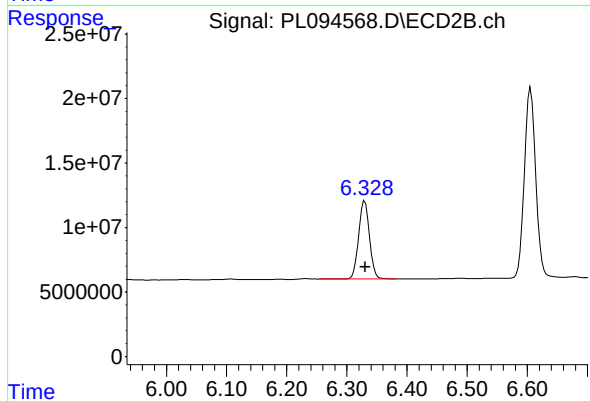
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 87035875
Conc: 17.94 ng/ml



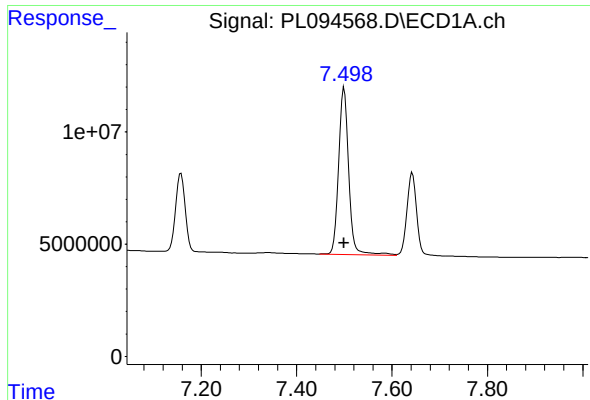
#19 Endosulfan Sulfate

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 :

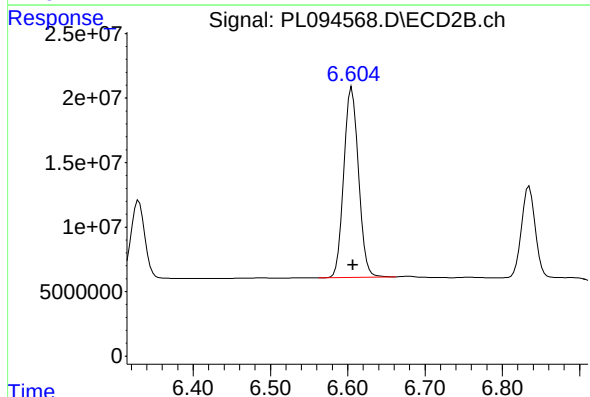
ECD_L

ClientSampleId :

RESCHK

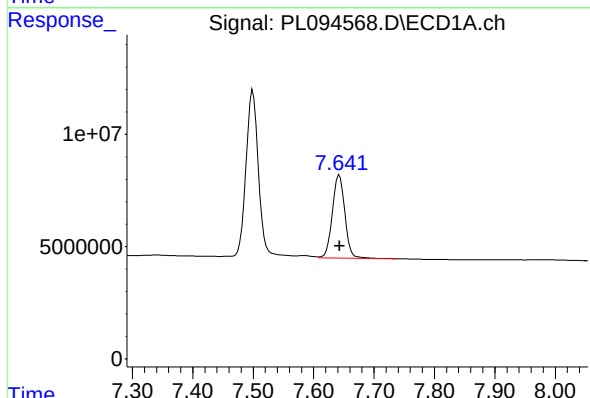
Manual Integrations
APPROVED

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



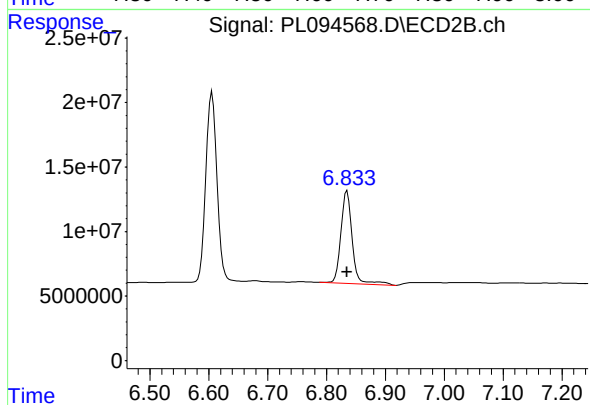
#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 193354717
Conc: 91.16 ng/ml



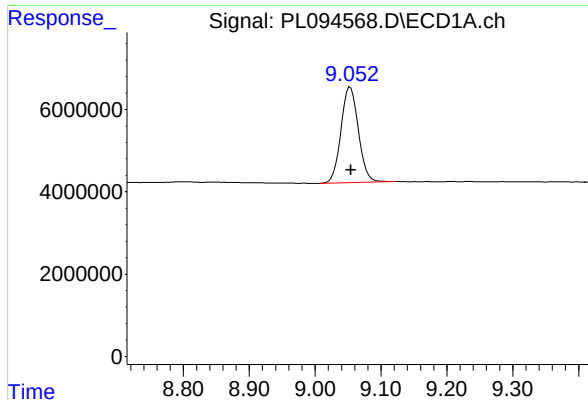
#21 Endrin ketone

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



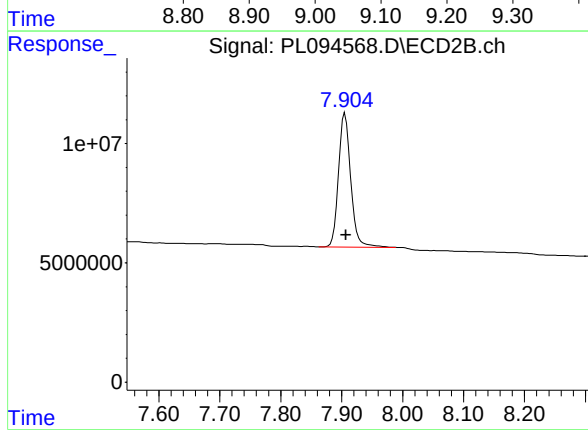
#28 Decachlorobiphenyl

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

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

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Manual Integrations
APPROVED

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

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

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q1664

Project: RFP 905

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
PEM	PEM	03/31/2025	09:43	PL094950.D	9.05	3.54
IBLK	IBLK	03/31/2025	14:30	PL094959.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/31/2025	14:44	PL094960.D	9.06	3.54
PB167395BL	PB167395BL	03/31/2025	17:57	PL094961.D	9.07	3.54
PB167395TB	PB167395TB	03/31/2025	18:24	PL094963.D	9.06	3.54
P001-BBDGA-001-01	Q1664-04	03/31/2025	18:37	PL094964.D	9.06	3.54
P001-BBDGA-001-01MS	Q1664-05MS	03/31/2025	18:51	PL094965.D	9.06	3.54
P001-BBDGA-001-01MSD	Q1664-06MSD	03/31/2025	19:05	PL094966.D	9.06	3.54
P001-BBDGA-001-02	Q1664-08	03/31/2025	19:18	PL094967.D	9.05	3.54
P001-BBDGA-002-01	Q1664-10	03/31/2025	19:32	PL094968.D	9.05	3.54
IBLK	IBLK	03/31/2025	19:45	PL094969.D	9.05	3.54
PEM	PEM	03/31/2025	19:59	PL094970.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/31/2025	20:13	PL094971.D	9.05	3.54
P001-BBDGA-003-01	Q1664-12	03/31/2025	20:40	PL094972.D	9.05	3.54
P001-BBDGA-004-01	Q1664-14	03/31/2025	20:54	PL094973.D	9.05	3.54
P001-BBDGA-005-01	Q1664-16	03/31/2025	21:07	PL094974.D	9.05	3.54
P001-BBDGA-006-01	Q1664-18	03/31/2025	21:21	PL094975.D	9.05	3.54
P001-BBDGA-007-01	Q1664-20	03/31/2025	21:35	PL094976.D	9.05	3.54
P001-BBDGA-008-01	Q1664-22	03/31/2025	21:48	PL094977.D	9.05	3.54
IBLK	IBLK	03/31/2025	22:02	PL094978.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/31/2025	22:16	PL094979.D	9.05	3.54
IBLK	IBLK	04/03/2025	10:31	PL095027.D	9.05	3.54
PEM	PEM	04/03/2025	10:44	PL095028.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/03/2025	10:58	PL095029.D	9.05	3.54
PB167395BS	PB167395BS	04/03/2025	11:56	PL095030.D	9.06	3.54
IBLK	IBLK	04/03/2025	14:57	PL095040.D	9.05	3.54
PSTDCCC050	PSTDCCC050	04/03/2025	18:28	PL095041.D	9.06	3.54

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q1664

Project: RFP 905

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
PEM	PEM	03/31/2025	09:43	PL094950.D	7.90	2.77
IBLK	IBLK	03/31/2025	14:30	PL094959.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/31/2025	14:44	PL094960.D	7.90	2.77
PB167395BL	PB167395BL	03/31/2025	17:57	PL094961.D	7.91	2.77
PB167395TB	PB167395TB	03/31/2025	18:24	PL094963.D	7.90	2.77
P001-BBDGA-001-01	Q1664-04	03/31/2025	18:37	PL094964.D	7.90	2.77
P001-BBDGA-001-01MS	Q1664-05MS	03/31/2025	18:51	PL094965.D	7.90	2.77
P001-BBDGA-001-01MSD	Q1664-06MSD	03/31/2025	19:05	PL094966.D	7.92	2.79
P001-BBDGA-001-02	Q1664-08	03/31/2025	19:18	PL094967.D	7.90	2.77
P001-BBDGA-002-01	Q1664-10	03/31/2025	19:32	PL094968.D	7.90	2.77
IBLK	IBLK	03/31/2025	19:45	PL094969.D	7.90	2.77
PEM	PEM	03/31/2025	19:59	PL094970.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/31/2025	20:13	PL094971.D	7.90	2.77
P001-BBDGA-003-01	Q1664-12	03/31/2025	20:40	PL094972.D	7.90	2.77
P001-BBDGA-004-01	Q1664-14	03/31/2025	20:54	PL094973.D	7.90	2.77
P001-BBDGA-005-01	Q1664-16	03/31/2025	21:07	PL094974.D	7.90	2.77
P001-BBDGA-006-01	Q1664-18	03/31/2025	21:21	PL094975.D	7.90	2.77
P001-BBDGA-007-01	Q1664-20	03/31/2025	21:35	PL094976.D	7.90	2.77
P001-BBDGA-008-01	Q1664-22	03/31/2025	21:48	PL094977.D	7.90	2.77
IBLK	IBLK	03/31/2025	22:02	PL094978.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/31/2025	22:16	PL094979.D	7.90	2.77
IBLK	IBLK	04/03/2025	10:31	PL095027.D	7.90	2.77
PEM	PEM	04/03/2025	10:44	PL095028.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/03/2025	10:58	PL095029.D	7.90	2.77
PB167395BS	PB167395BS	04/03/2025	11:56	PL095030.D	7.90	2.77
IBLK	IBLK	04/03/2025	14:57	PL095040.D	7.90	2.77
PSTDCCC050	PSTDCCC050	04/03/2025	18:28	PL095041.D	7.90	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-BBDGA-001-01MS

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: Q1664-05MS

Date(s) Analyzed: 03/31/2025

03/31/2025

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	0.54	1.4
	2	5.93	5.88	5.98	0.54	
4,4'-DDD	1	6.71	6.66	6.76	0.60	2.1
	2	5.78	5.73	5.83	0.58	
4,4'-DDT	1	7.02	6.97	7.07	0.56	0.2
	2	6.03	5.98	6.08	0.56	
Endrin aldehyde	1	6.92	6.87	6.97	0.50	2.8
	2	6.11	6.06	6.16	0.51	
Endosulfan sulfate	1	7.16	7.11	7.21	0.53	5
	2	6.33	6.28	6.38	0.55	
alpha-BHC	1	3.99	3.94	4.04	0.50	10.3
	2	3.27	3.22	3.32	0.55	
Aldrin	1	5.26	5.21	5.31	0.44	7.6
	2	4.22	4.17	4.27	0.47	
beta-BHC	1	4.53	4.48	4.58	0.49	13
	2	3.90	3.85	3.95	0.55	
delta-BHC	1	4.77	4.72	4.82	0.52	4.5
	2	4.13	4.08	4.18	0.55	
Endosulfan I	1	6.07	6.02	6.12	0.52	3.2
	2	5.09	5.04	5.14	0.53	
alpha-Chlordane	1	6.02	5.97	6.07	0.50	2.7
	2	5.03	4.98	5.08	0.52	
4,4'-DDE	1	6.19	6.14	6.24	0.55	2.4
	2	5.22	5.17	5.27	0.53	
Dieldrin	1	6.34	6.29	6.39	0.53	1.1
	2	5.36	5.31	5.41	0.54	
Endrin	1	6.57	6.52	6.62	0.52	5.8
	2	5.63	5.58	5.68	0.56	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-BBDGA-001-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: Q1664-05MS

Date(s) Analyzed: 03/31/2025 03/31/2025

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		
Methoxychlor	1	7.50	7.45	7.55	0.57	1.4
	2	6.60	6.55	6.65	0.58	
Endrin ketone	1	7.64	7.59	7.69	0.55	1.6
	2	6.83	6.78	6.88	0.56	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.50	9.3
	2	3.60	3.55	3.65	0.55	
Heptachlor	1	4.91	4.86	4.96	0.44	7.5
	2	3.94	3.89	3.99	0.48	
Heptachlor epoxide	1	5.68	5.63	5.73	0.47	11.1
	2	4.72	4.67	4.77	0.53	
gamma-Chlordane	1	5.94	5.89	5.99	0.49	4.6
	2	4.97	4.92	5.02	0.52	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-BBDGA-001-01MSD

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: Q1664-06MSD

Date(s) Analyzed: 03/31/2025 03/31/2025

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	0.51	0.3
	2	5.94	5.89	5.99	0.51	
4,4'-DDD	1	6.71	6.66	6.76	0.57	3
	2	5.80	5.75	5.85	0.55	
4,4'-DDT	1	7.02	6.97	7.07	0.53	1.5
	2	6.05	6.00	6.10	0.52	
Endrin aldehyde	1	6.92	6.87	6.97	0.47	3.1
	2	6.12	6.07	6.17	0.49	
Endosulfan sulfate	1	7.16	7.11	7.21	0.51	2.9
	2	6.35	6.30	6.40	0.52	
Methoxychlor	1	7.50	7.45	7.55	0.54	0
	2	6.62	6.57	6.67	0.54	
Endrin ketone	1	7.64	7.59	7.69	0.52	0.8
	2	6.85	6.80	6.90	0.52	
alpha-BHC	1	3.99	3.94	4.04	0.48	9.1
	2	3.29	3.24	3.34	0.52	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	0.48	8.3
	2	3.62	3.57	3.67	0.53	
Heptachlor	1	4.91	4.86	4.96	0.42	6.1
	2	3.96	3.91	4.01	0.45	
Aldrin	1	5.26	5.21	5.31	0.41	5.3
	2	4.24	4.19	4.29	0.44	
beta-BHC	1	4.53	4.48	4.58	0.47	12.5
	2	3.92	3.87	3.97	0.53	
delta-BHC	1	4.77	4.72	4.82	0.50	3.8
	2	4.15	4.10	4.20	0.52	
Heptachlor epoxide	1	5.68	5.63	5.73	0.46	7.4
	2	4.74	4.69	4.79	0.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-BBDGA-001-01MSD

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: Q1664-06MSD

Date(s) Analyzed: 03/31/2025 03/31/2025

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	0.49	2.5
	2	5.11	5.06	5.16	0.51	
gamma-Chlordane	1	5.94	5.89	5.99	0.47	3.4
	2	4.99	4.94	5.04	0.49	
alpha-Chlordane	1	6.02	5.97	6.07	0.48	2
	2	5.05	5.00	5.10	0.49	
4,4'-DDE	1	6.19	6.14	6.24	0.52	3.1
	2	5.24	5.19	5.29	0.50	
Dieldrin	1	6.34	6.29	6.39	0.51	0.2
	2	5.37	5.32	5.42	0.51	
Endrin	1	6.57	6.52	6.62	0.49	7.1
	2	5.65	5.60	5.70	0.52	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-BBDGA-004-01

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: Q1664-14

Date(s) Analyzed: 03/31/2025 03/31/2025

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-BHC	1	3.99	3.94	4.04	0.012	9
	2	3.27	3.22	3.32	0.013	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167395BS

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: PB167395BS

Date(s) Analyzed: 04/03/2025

04/03/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	0.55	4.9
	2	5.78	5.73	5.83	0.52	
4,4'-DDE	1	6.20	6.15	6.25	0.51	6
	2	5.22	5.17	5.27	0.48	
4,4'-DDT	1	7.03	6.98	7.08	0.51	0.3
	2	6.03	5.98	6.08	0.51	
alpha-BHC	1	4.00	3.95	4.05	0.43	12
	2	3.27	3.22	3.32	0.49	
Aldrin	1	5.26	5.21	5.31	0.44	2.1
	2	4.22	4.17	4.27	0.45	
alpha-Chlordane	1	6.02	5.97	6.07	0.46	0.7
	2	5.03	4.98	5.08	0.46	
Endosulfan II	1	6.80	6.75	6.85	0.48	0.2
	2	5.92	5.87	5.97	0.48	
Endosulfan sulfate	1	7.16	7.11	7.21	0.47	3.8
	2	6.33	6.28	6.38	0.49	
beta-BHC	1	4.53	4.48	4.58	0.43	9.6
	2	3.90	3.85	3.95	0.47	
delta-BHC	1	4.78	4.73	4.83	0.46	0.4
	2	4.13	4.08	4.18	0.46	
Endosulfan I	1	6.07	6.02	6.12	0.47	4.3
	2	5.09	5.04	5.14	0.45	
Dieldrin	1	6.35	6.30	6.40	0.48	2
	2	5.35	5.30	5.40	0.47	
Endrin aldehyde	1	6.93	6.88	6.98	0.47	1.6
	2	6.10	6.05	6.15	0.48	
Methoxychlor	1	7.50	7.45	7.55	0.53	1.2
	2	6.60	6.55	6.65	0.53	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167395BS

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: PB167395BS

Date(s) Analyzed: 04/03/2025

04/03/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.65	7.60	7.70	0.49	5.6
	2	6.83	6.78	6.88	0.52	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	9.1
	2	3.60	3.55	3.65	0.47	
Heptachlor	1	4.92	4.87	4.97	0.44	2.7
	2	3.94	3.89	3.99	0.45	
Heptachlor epoxide	1	5.69	5.64	5.74	0.45	1.7
	2	4.72	4.67	4.77	0.46	
gamma-Chlordane	1	5.94	5.89	5.99	0.46	0.6
	2	4.97	4.92	5.02	0.46	
Endrin	1	6.58	6.53	6.63	0.46	4.7
	2	5.63	5.58	5.68	0.48	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167395BL		SDG No.:	Q1664	
Lab Sample ID:	PB167395BL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094961.D	1	03/31/25 12:10	03/31/25 17:57	PB167395

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		77 - 126	97%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167395BL	SDG No.:	Q1664
Lab Sample ID:	PB167395BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094961.D	1	03/31/25 12:10	03/31/25 17:57	PB167395

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\PL033125\
Data File : PL094961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:57
Operator : AR\AJ
Sample : PB167395BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167395BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:32 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...	3.544	2.770	51170513	69417239	18.077	19.449
28) SA Decachlor...	9.065	7.906	43832763	80403496	20.799	19.905

Target Compounds

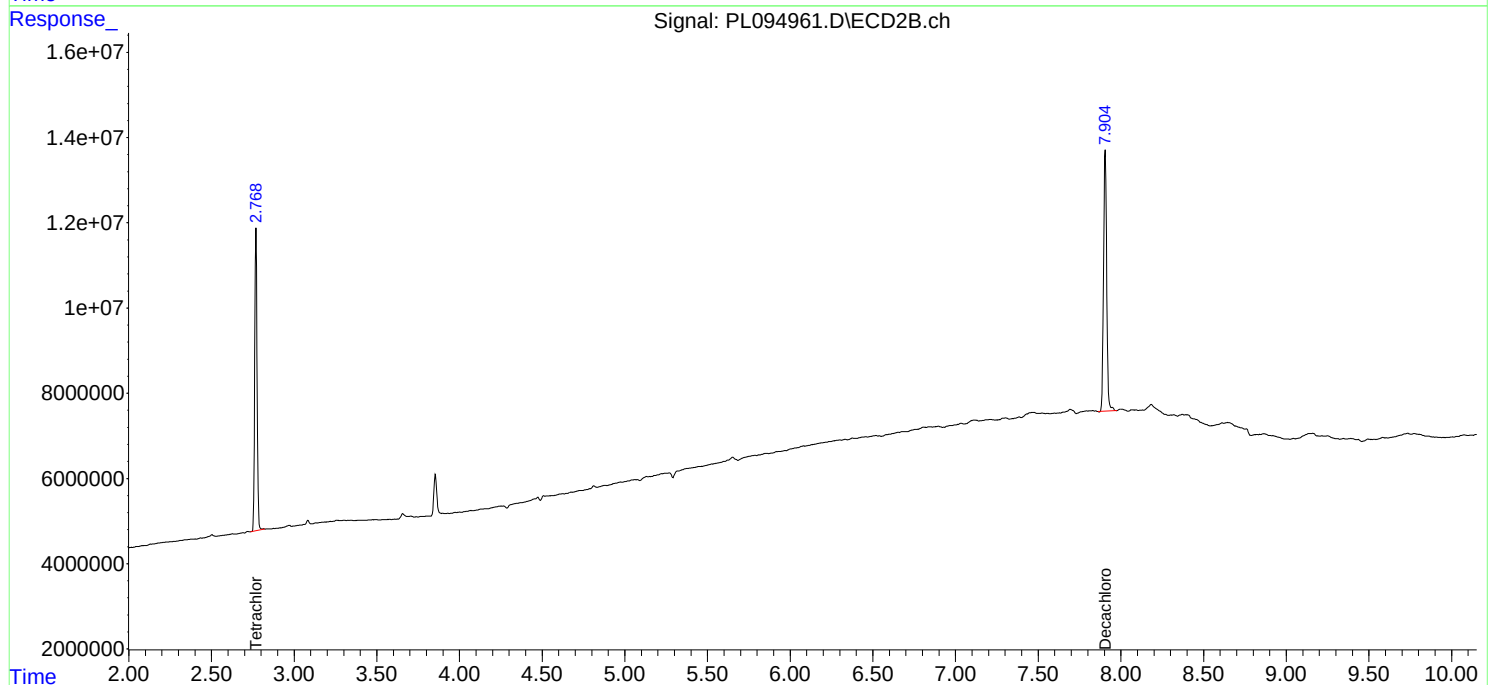
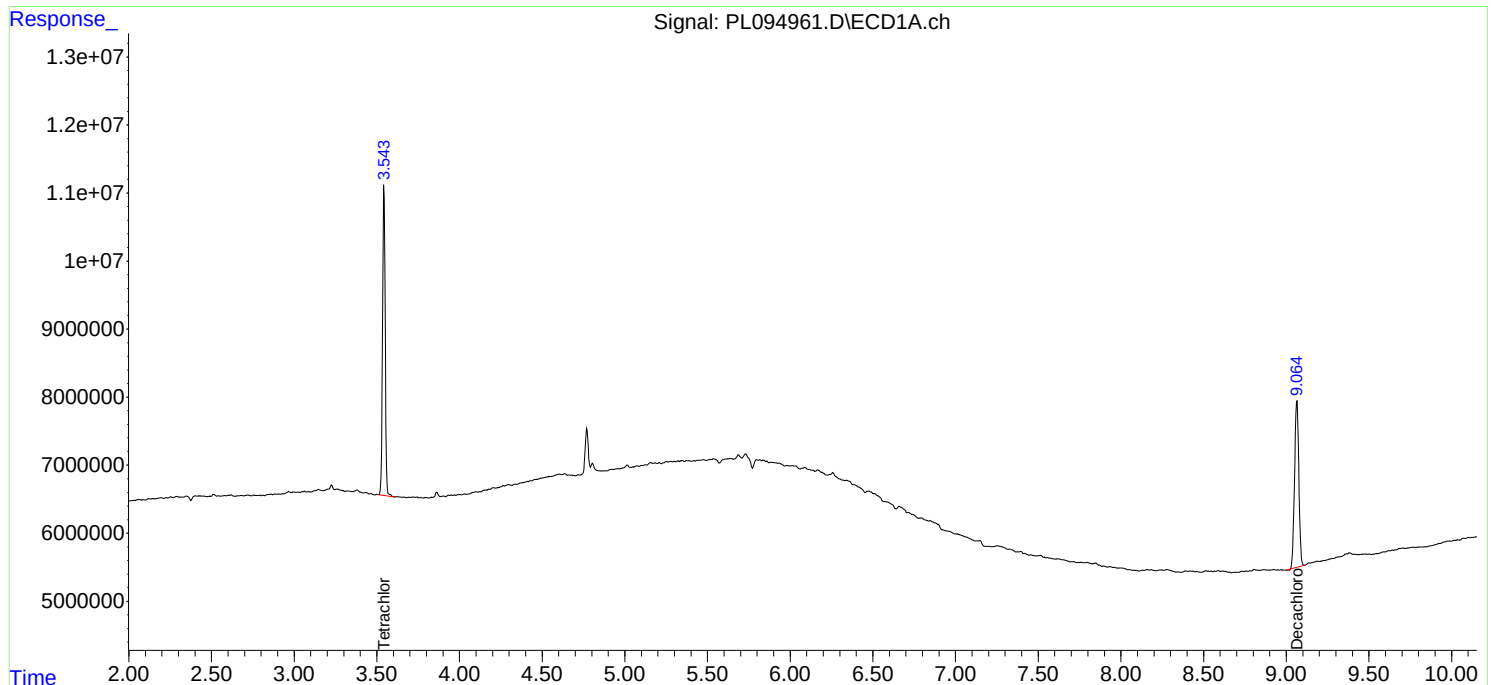
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

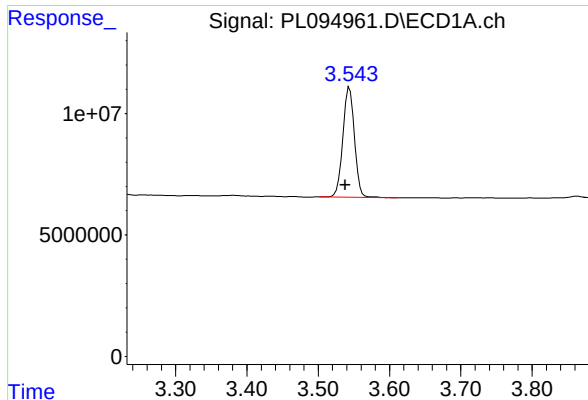
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094961.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 17:57
Operator : AR\AJ
Sample : PB167395BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167395BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:32 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

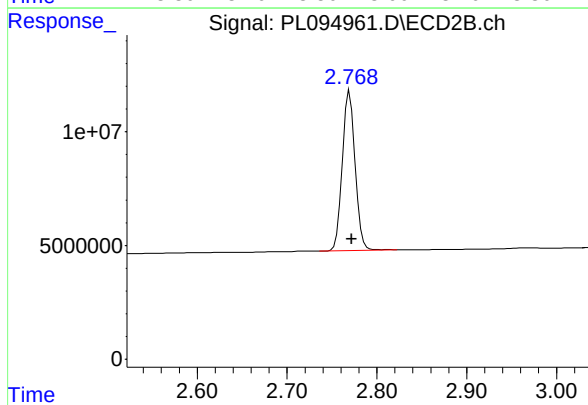




#1 Tetrachloro-m-xylene

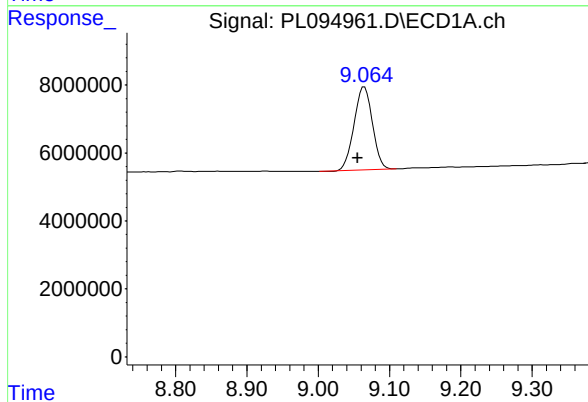
R.T.: 3.544 min
Delta R.T.: 0.006 min
Response: 51170513
Conc: 18.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BL



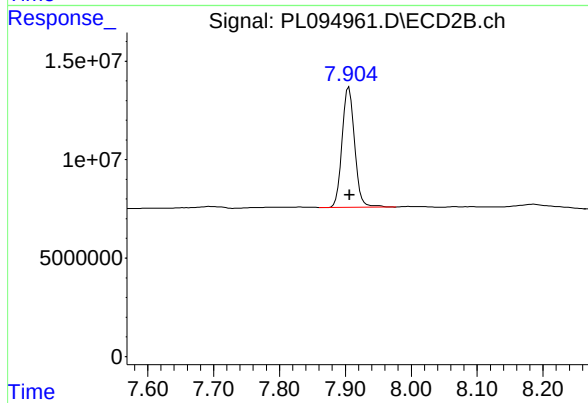
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 69417239
Conc: 19.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.009 min
Response: 43832763
Conc: 20.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.001 min
Response: 80403496
Conc: 19.91 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/11/25
Project:	RFP 905	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL094566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	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:	Weston Solutions, Inc.		Date Collected:	03/11/25	
Project:	RFP 905		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PL094566.D		SDG No.:	Q1664	
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:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
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

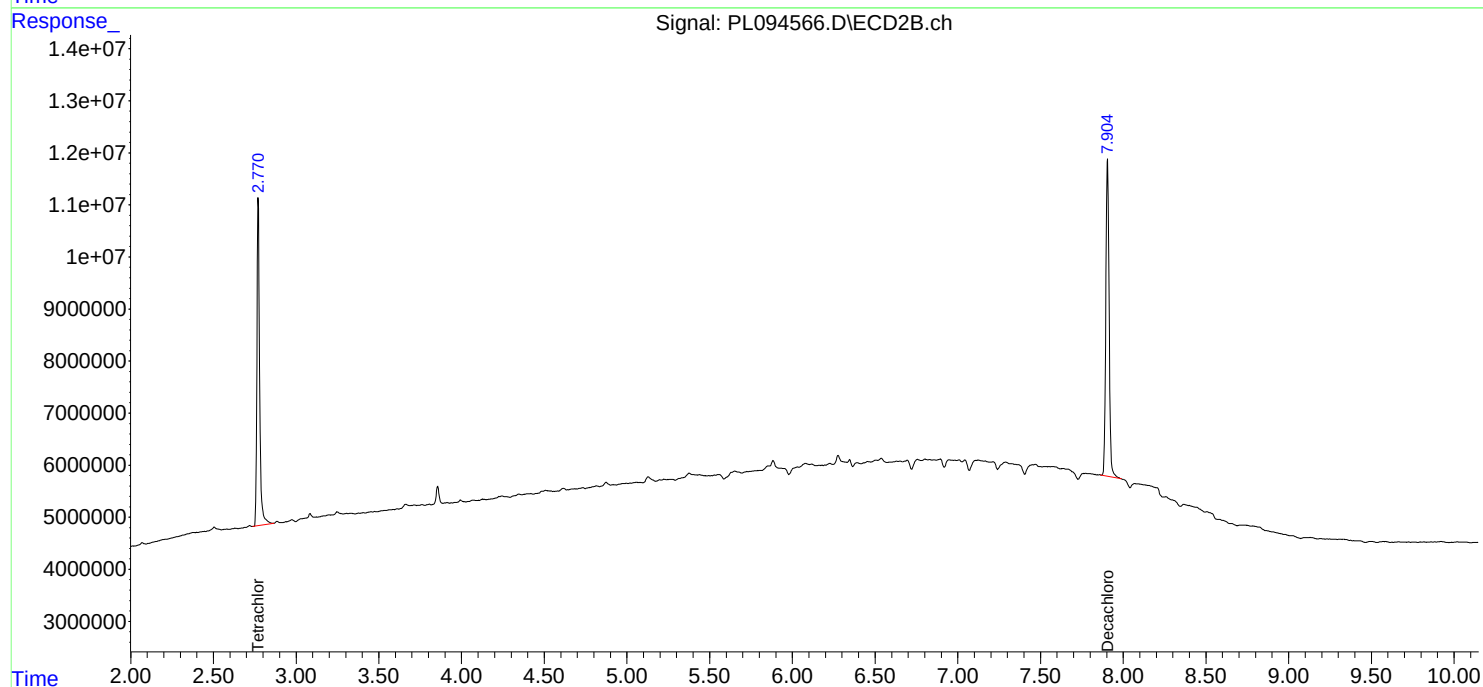
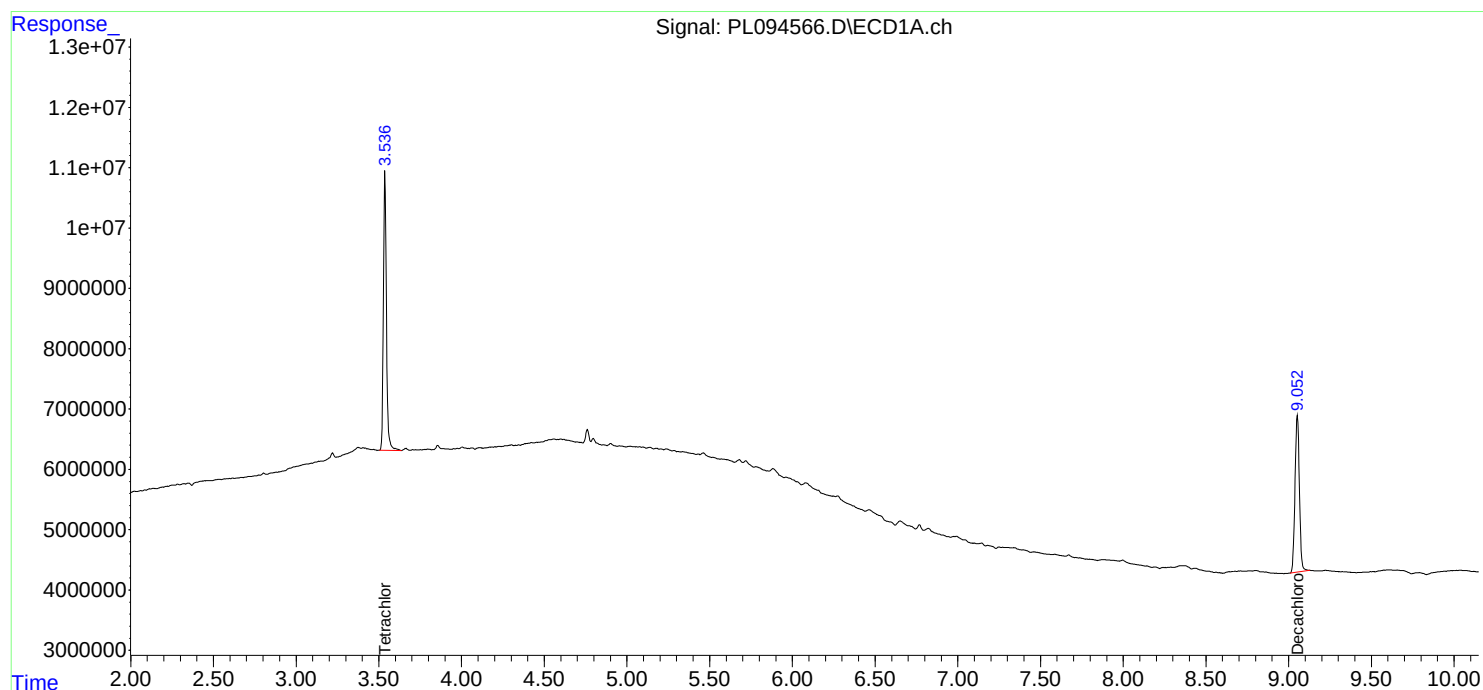
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

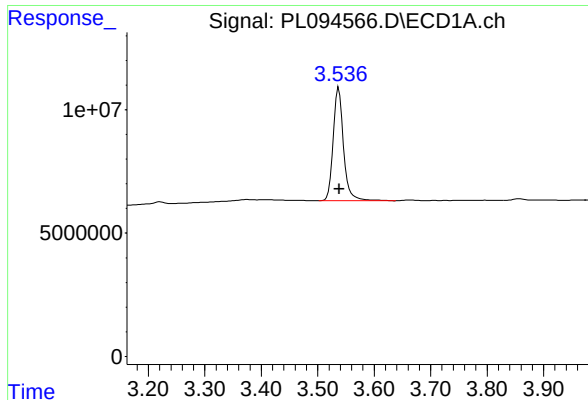
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

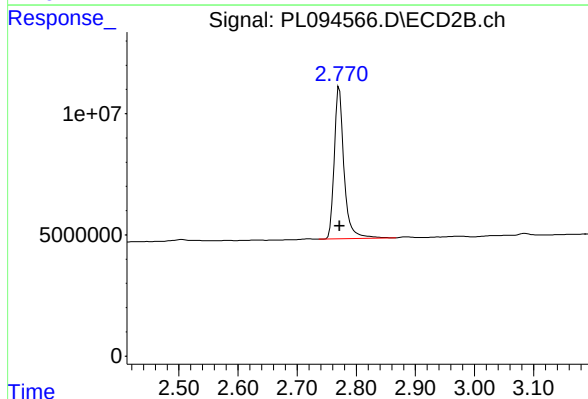




#1 Tetrachloro-m-xylene

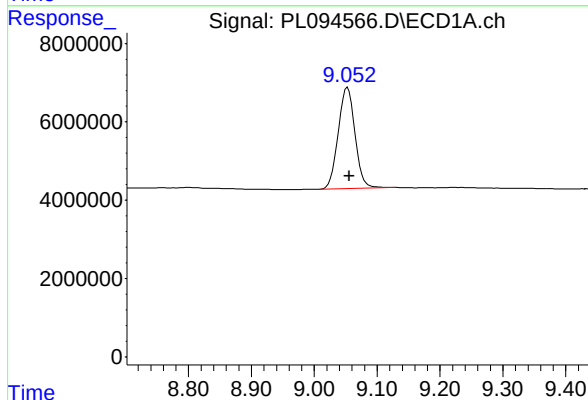
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



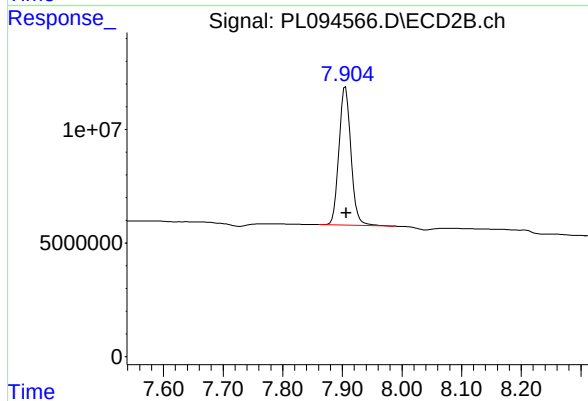
#1 Tetrachloro-m-xylene

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:	Weston Solutions, Inc.	Date Collected:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PL094959.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL094959.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094959.D	1		03/31/25	pl033125

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.6		43 - 140	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/31/25	
Project:	RFP 905		Date Received:	03/31/25	
Client Sample ID:	PIBLK-PL094959.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094959.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094959.D	1		03/31/25	pl033125

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\PL033125\
Data File : PL094959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 14:30
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: Apr 01 02:13:05 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	2.770	55692972	71983001	19.675	20.167
28) SA Decachlor...	9.054	7.904	47670336	81178514	22.620	20.097

Target Compounds

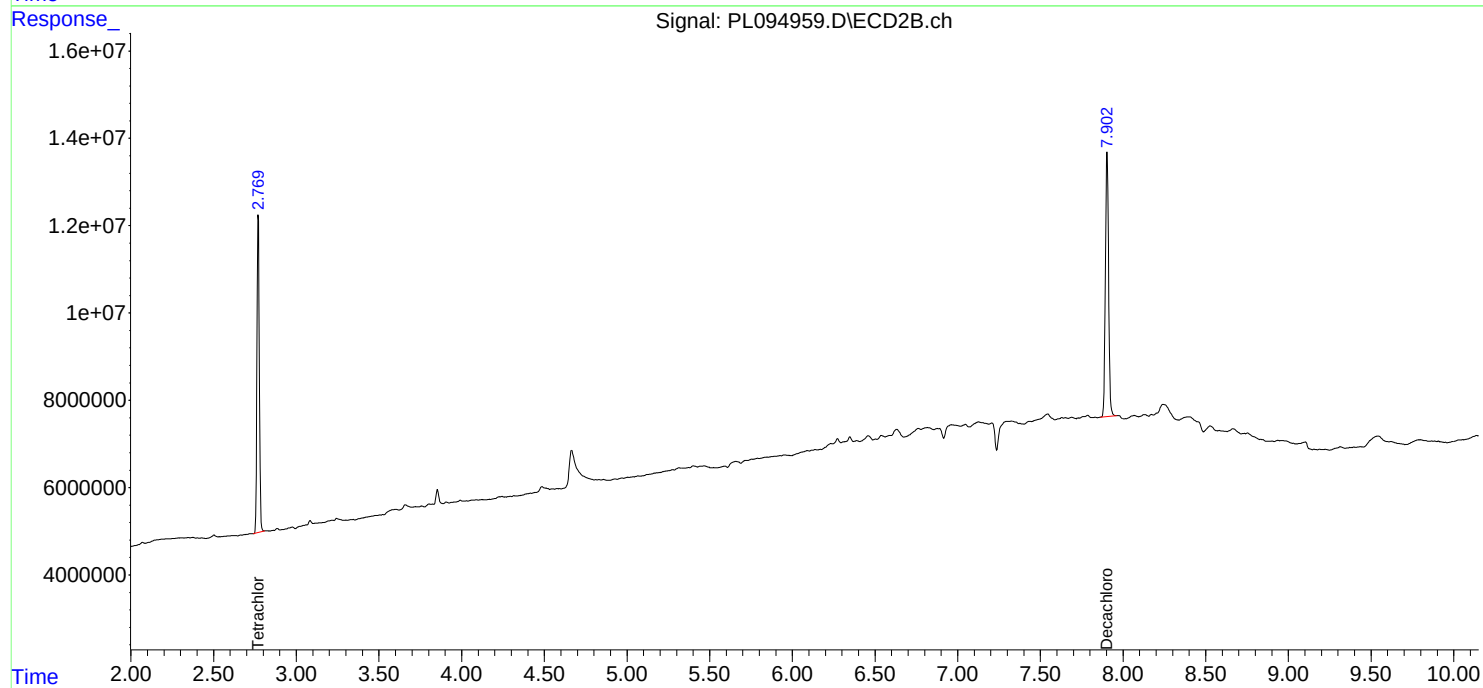
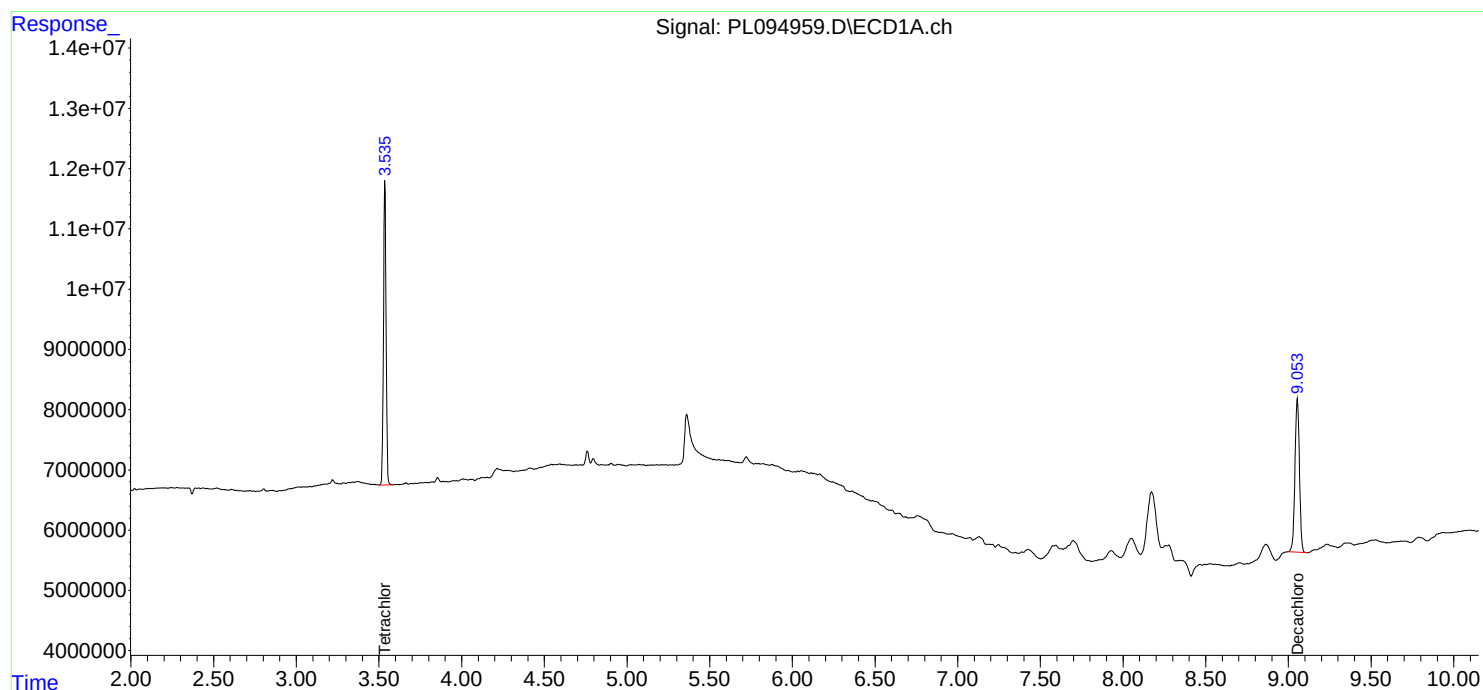
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

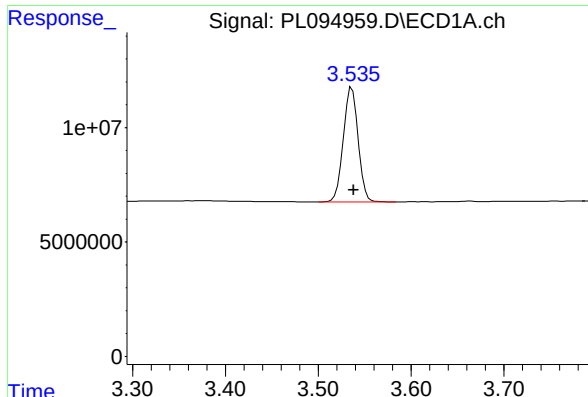
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 14:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:13:05 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

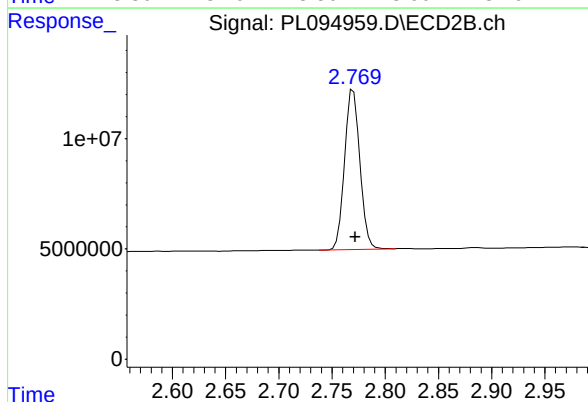




#1 Tetrachloro-m-xylene

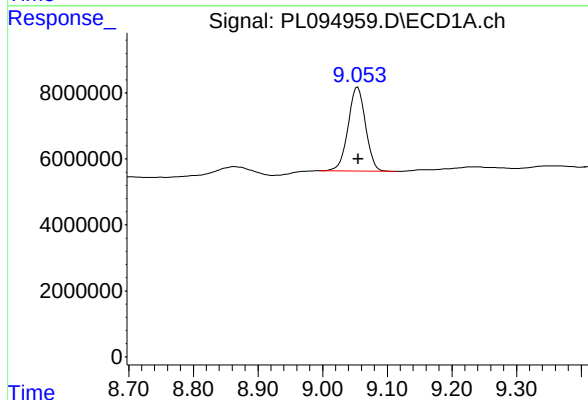
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55692972
Conc: 19.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



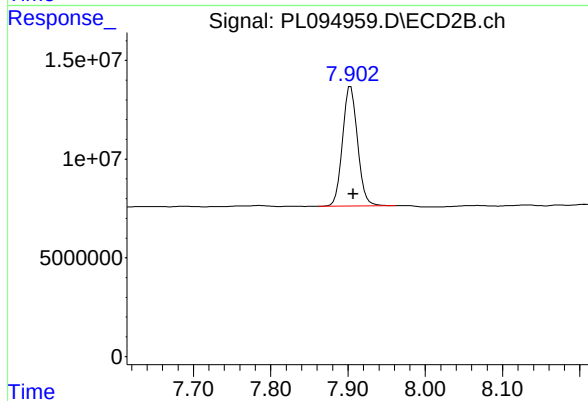
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 71983001
Conc: 20.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 47670336
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 81178514
Conc: 20.10 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/31/25
Project:	RFP 905	Date Received:	03/31/25
Client Sample ID:	PIBLK-PL094969.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL094969.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094969.D	1		03/31/25	pl033125

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/31/25	
Project:	RFP 905		Date Received:	03/31/25	
Client Sample ID:	PIBLK-PL094969.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094969.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094969.D	1		03/31/25	pl033125

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\PL033125\
Data File : PL094969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:45
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: Apr 01 02:15:06 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	2.770	56806243	72966632	20.068	20.443
28) SA Decachlor...	9.054	7.903	48252828	87437369	22.896	21.646

Target Compounds

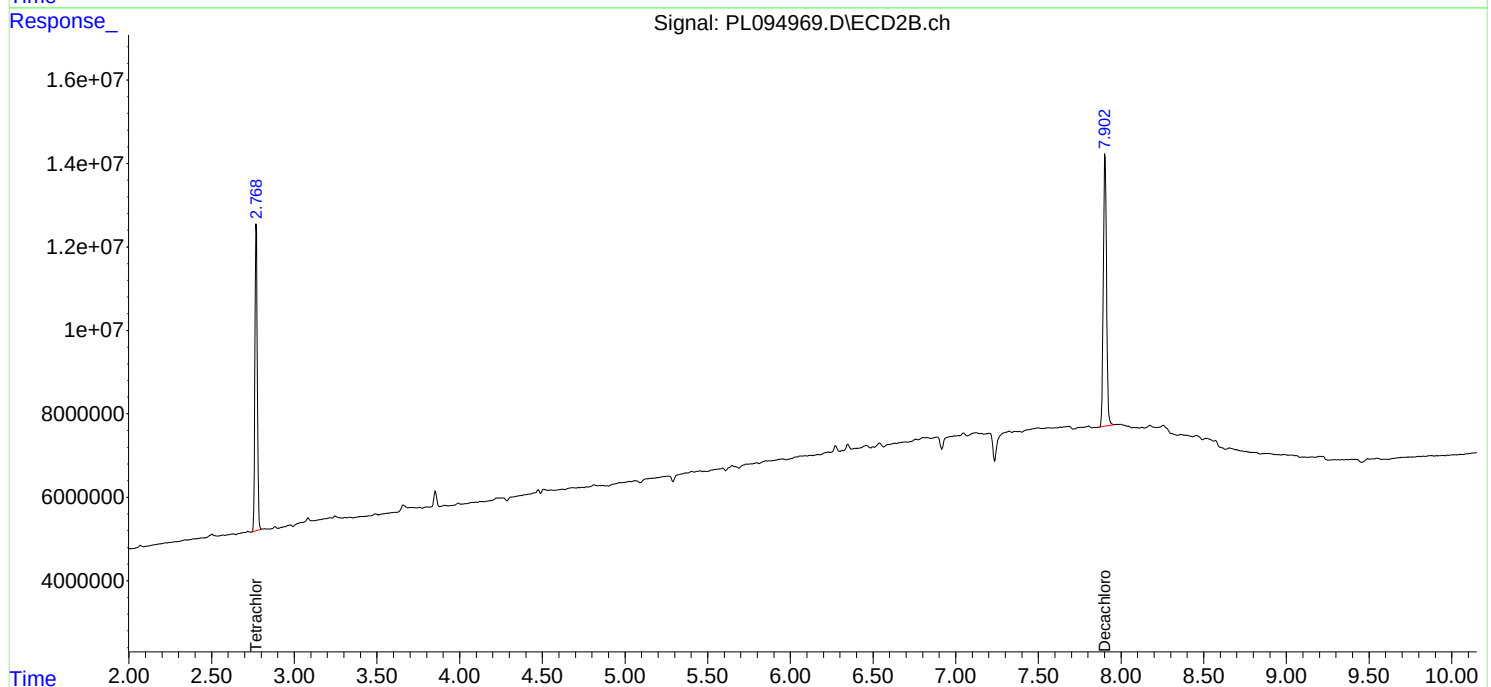
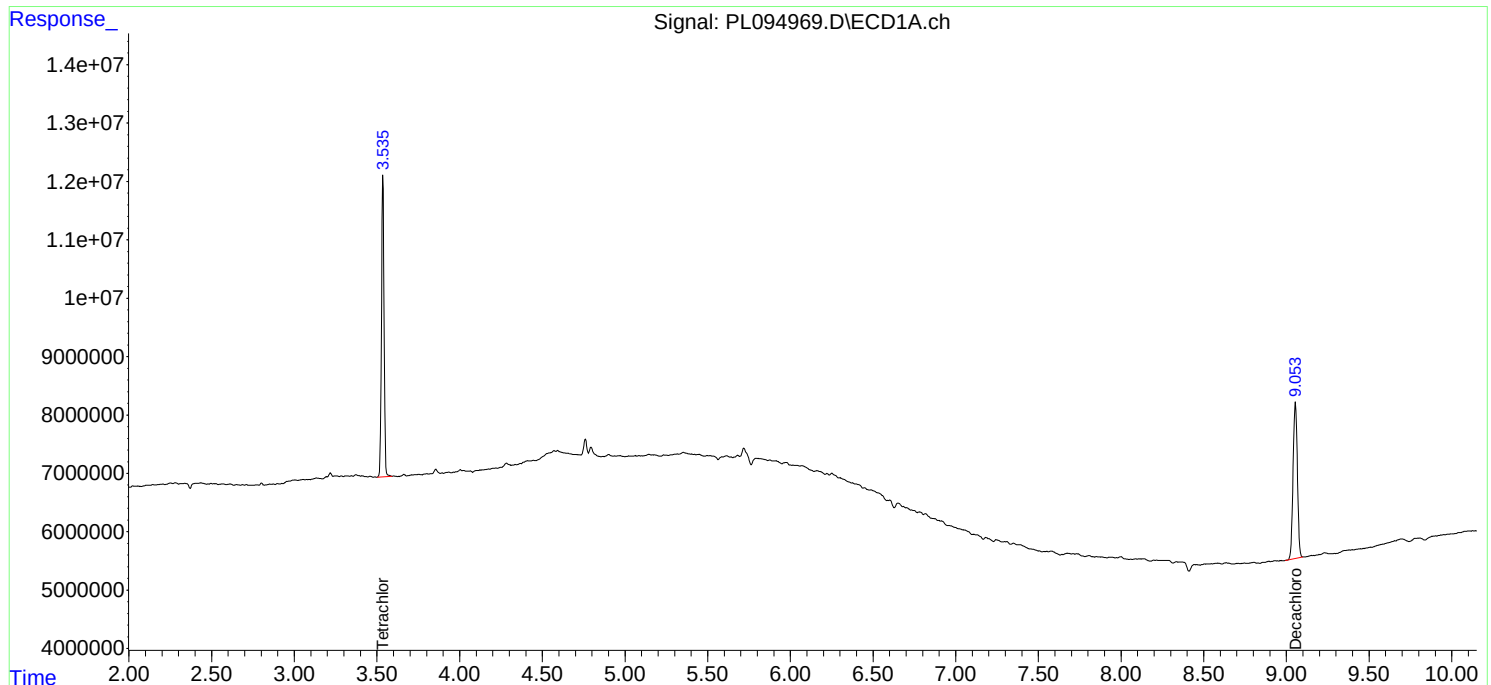
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

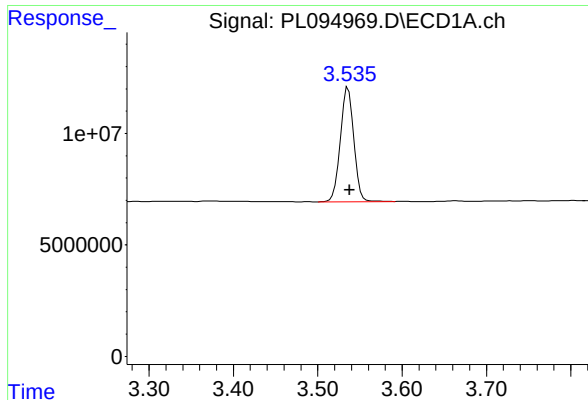
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094969.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:15:06 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

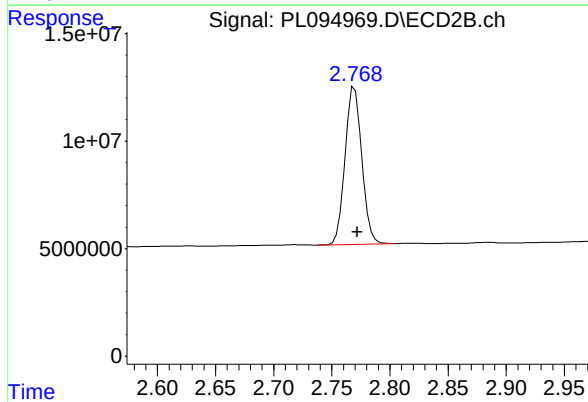




#1 Tetrachloro-m-xylene

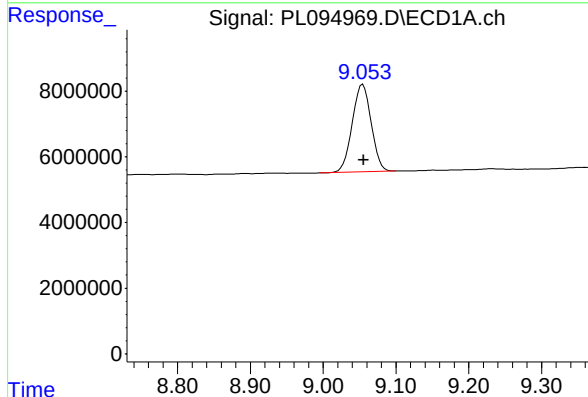
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 56806243
Conc: 20.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



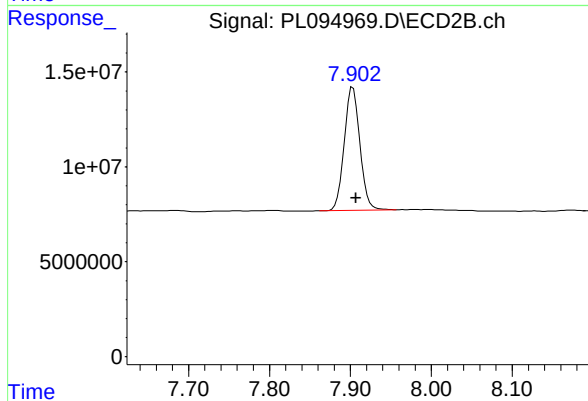
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 72966632
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48252828
Conc: 22.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 87437369
Conc: 21.65 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/31/25	
Project:	RFP 905		Date Received:	03/31/25	
Client Sample ID:	PIBLK-PL094978.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094978.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094978.D	1		03/31/25	pl033125

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		43 - 140	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/31/25	
Project:	RFP 905		Date Received:	03/31/25	
Client Sample ID:	PIBLK-PL094978.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094978.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094978.D	1		03/31/25	pl033125

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\PL033125\
Data File : PL094978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 22:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:28 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...	3.536	2.769	55557809	71813501	19.627	20.120
28) SA Decachlor...	9.054	7.903	49114342	91823765	23.305	22.732

Target Compounds

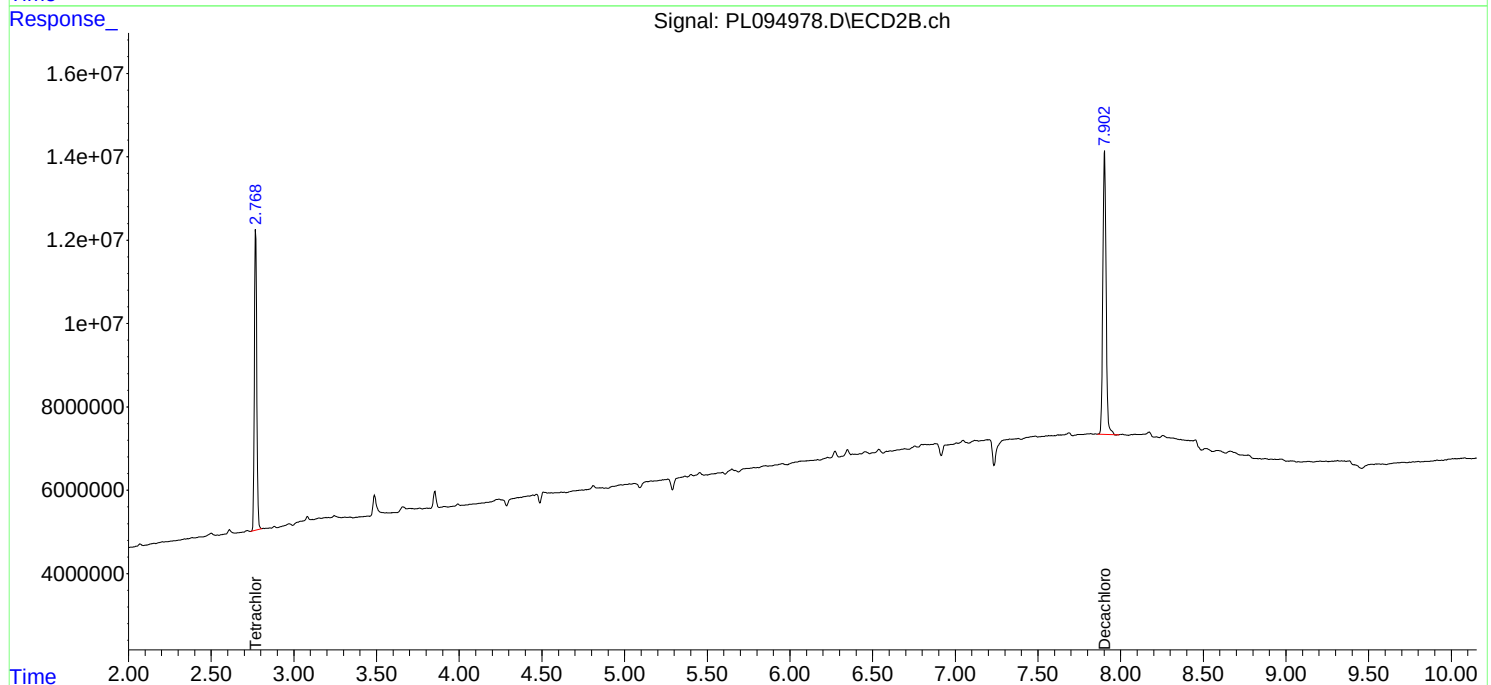
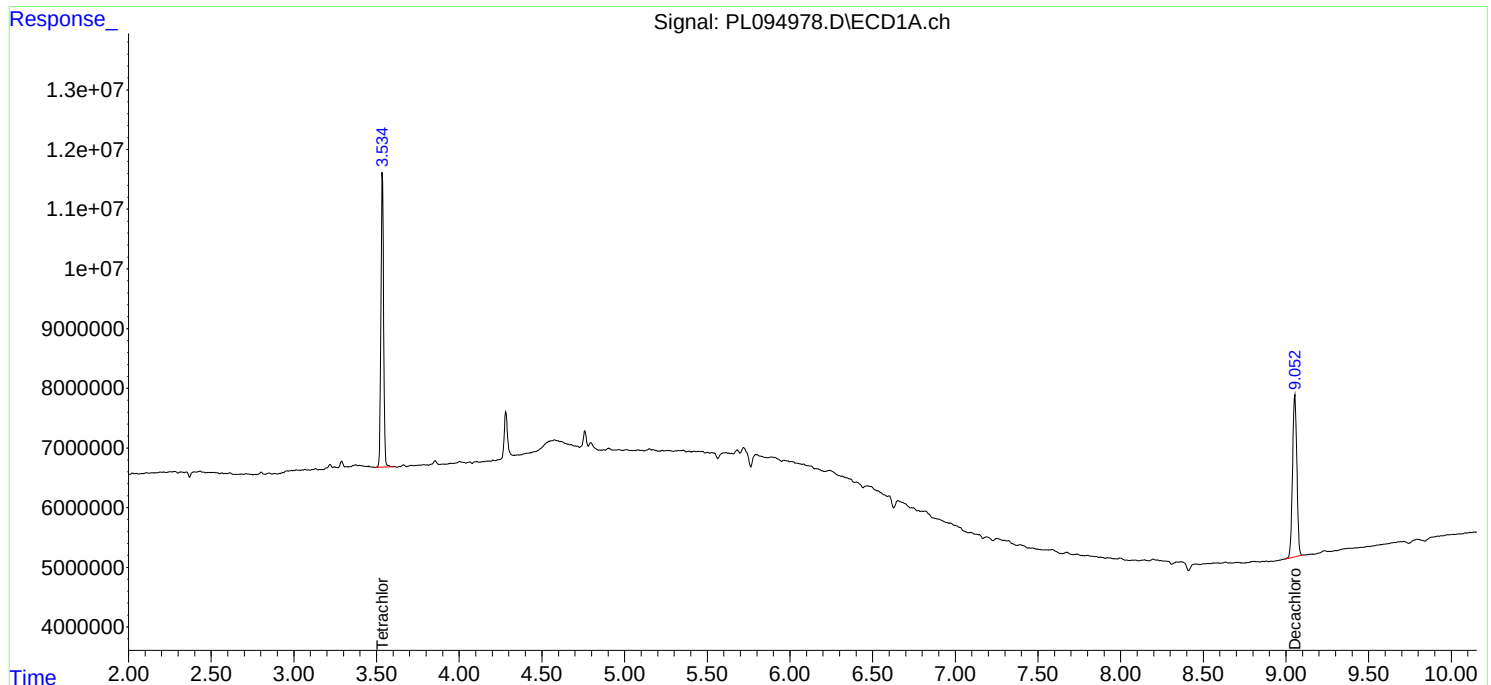
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

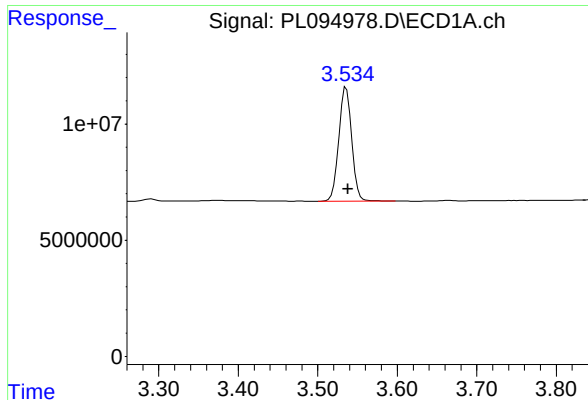
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 22:02
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:16:28 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

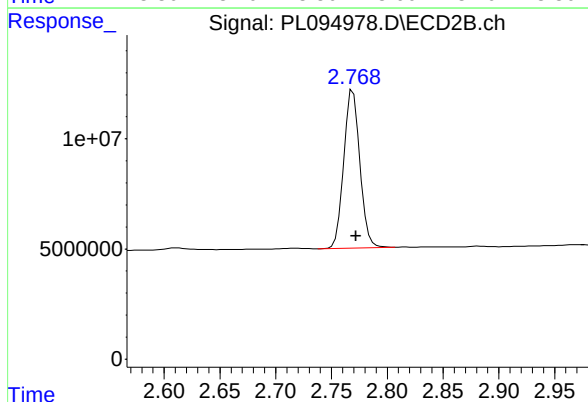




#1 Tetrachloro-m-xylene

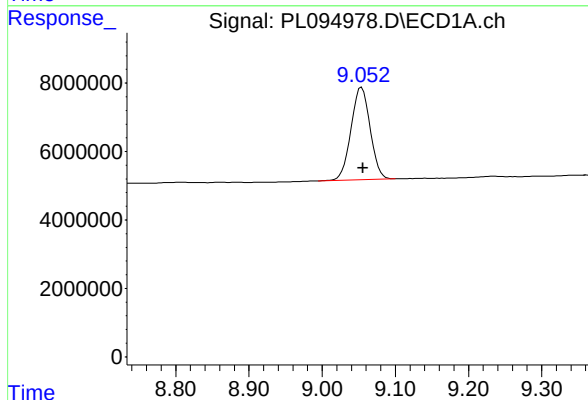
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55557809
Conc: 19.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



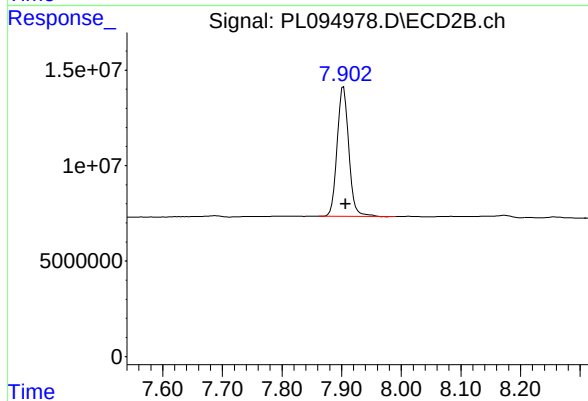
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 71813501
Conc: 20.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 49114342
Conc: 23.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 91823765
Conc: 22.73 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/03/25
Project:	RFP 905	Date Received:	04/03/25
Client Sample ID:	PIBLK-PL095027.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL095027.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SPLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095027.D	1		04/03/25	pl040325

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.0		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	04/03/25	
Project:	RFP 905		Date Received:	04/03/25	
Client Sample ID:	PIBLK-PL095027.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL095027.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095027.D	1		04/03/25	pl040325

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\PL040325\
Data File : PL095027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 10:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:33:45 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	57183851	72815179	20.202	20.401
28) SA Decachlor...	9.054	7.902	48438951	83247162	22.985	20.609

Target Compounds

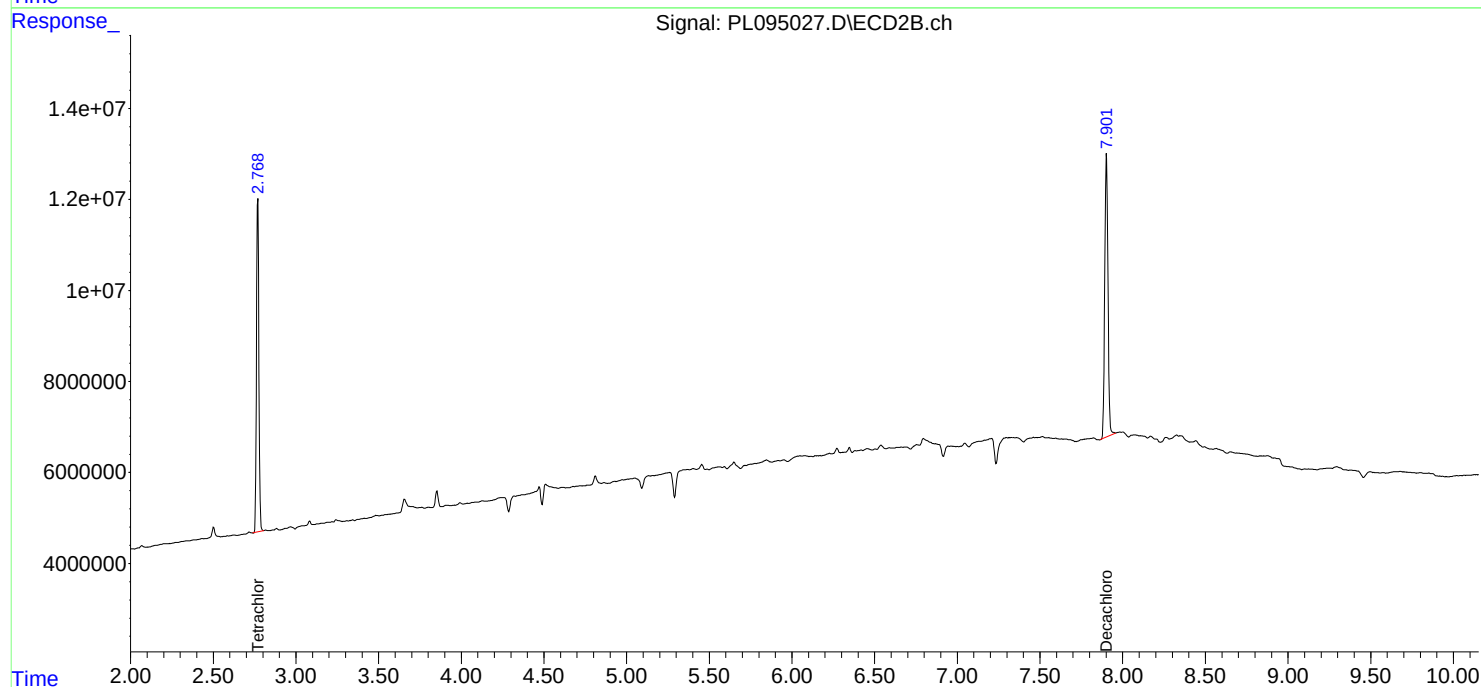
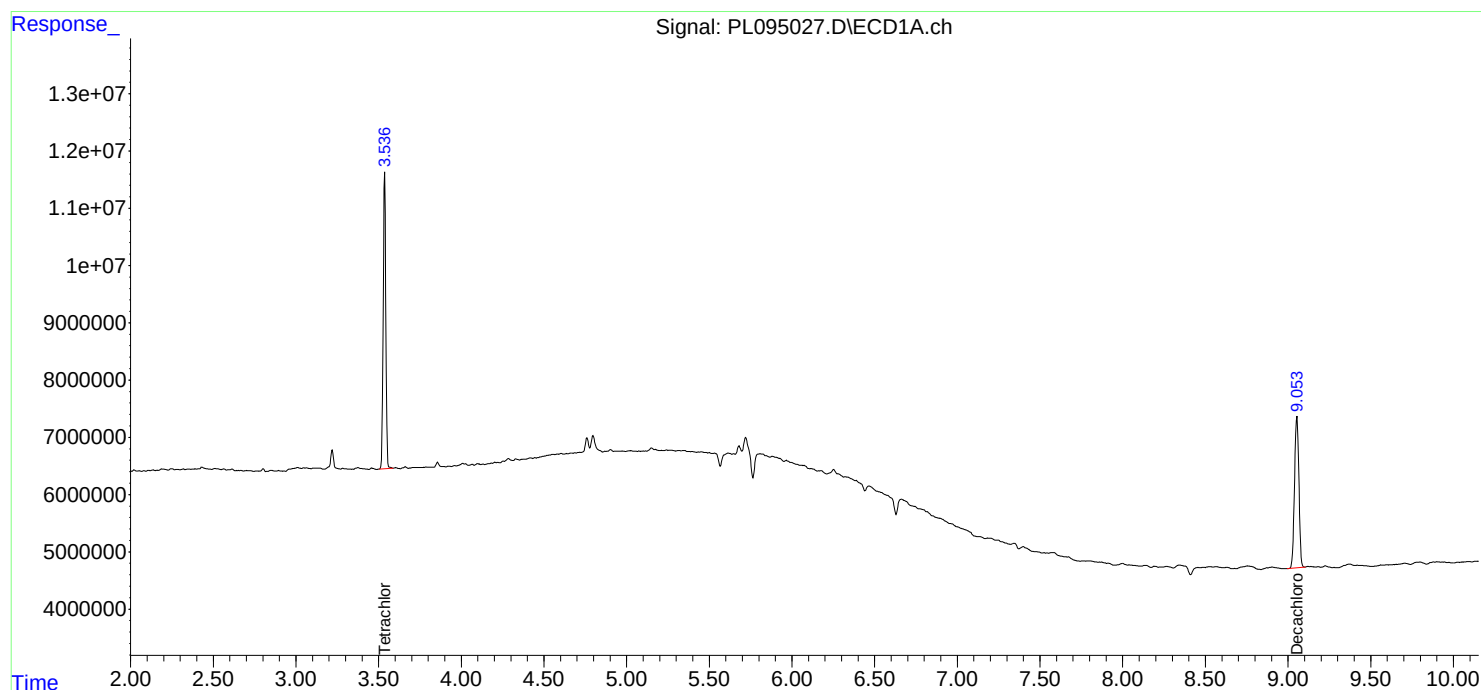
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

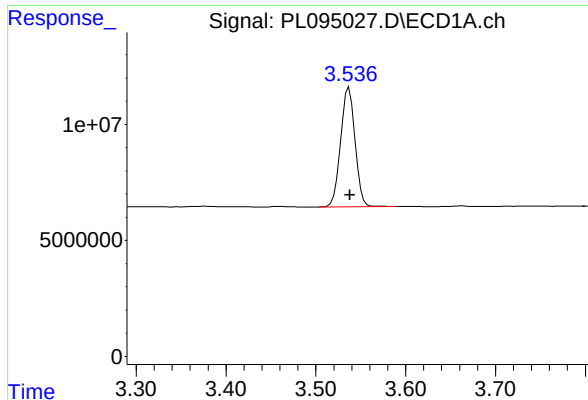
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 10:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:33:45 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

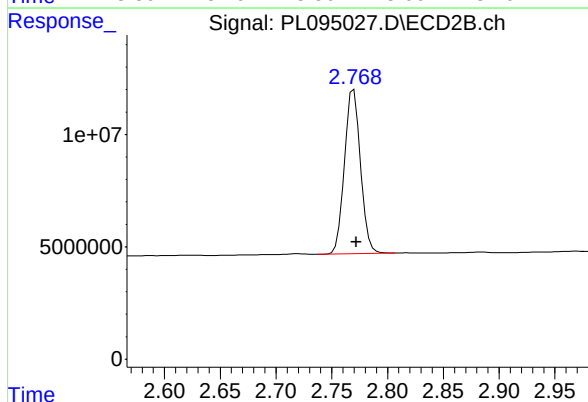




#1 Tetrachloro-m-xylene

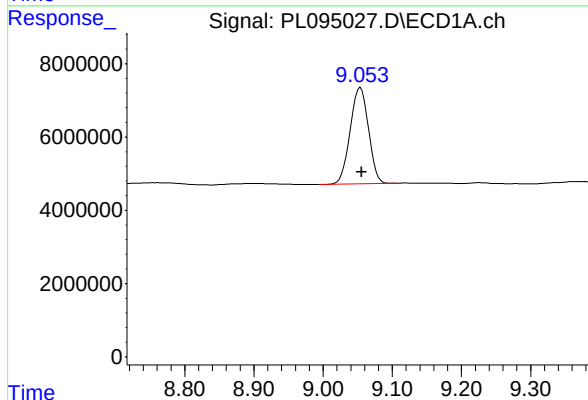
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 57183851
Conc: 20.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



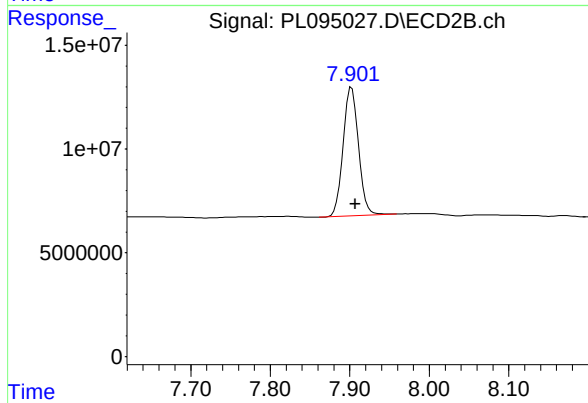
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 72815179
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 48438951
Conc: 22.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.004 min
Response: 83247162
Conc: 20.61 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	04/03/25	
Project:	RFP 905		Date Received:	04/03/25	
Client Sample ID:	PIBLK-PL095040.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL095040.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095040.D	1		04/03/25	pl040325

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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	101%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/03/25
Project:	RFP 905	Date Received:	04/03/25
Client Sample ID:	PIBLK-PL095040.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL095040.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	Test:	SPLP Pesticide
		PH :	
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095040.D	1		04/03/25	pl040325

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\PL040325\
Data File : PL095040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 14:57
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: Apr 04 02:38:19 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	55762882	71932055	19.700	20.153
28) SA Decachlor...	9.048	7.900	42260087	59940671	20.053	14.839 #

Target Compounds

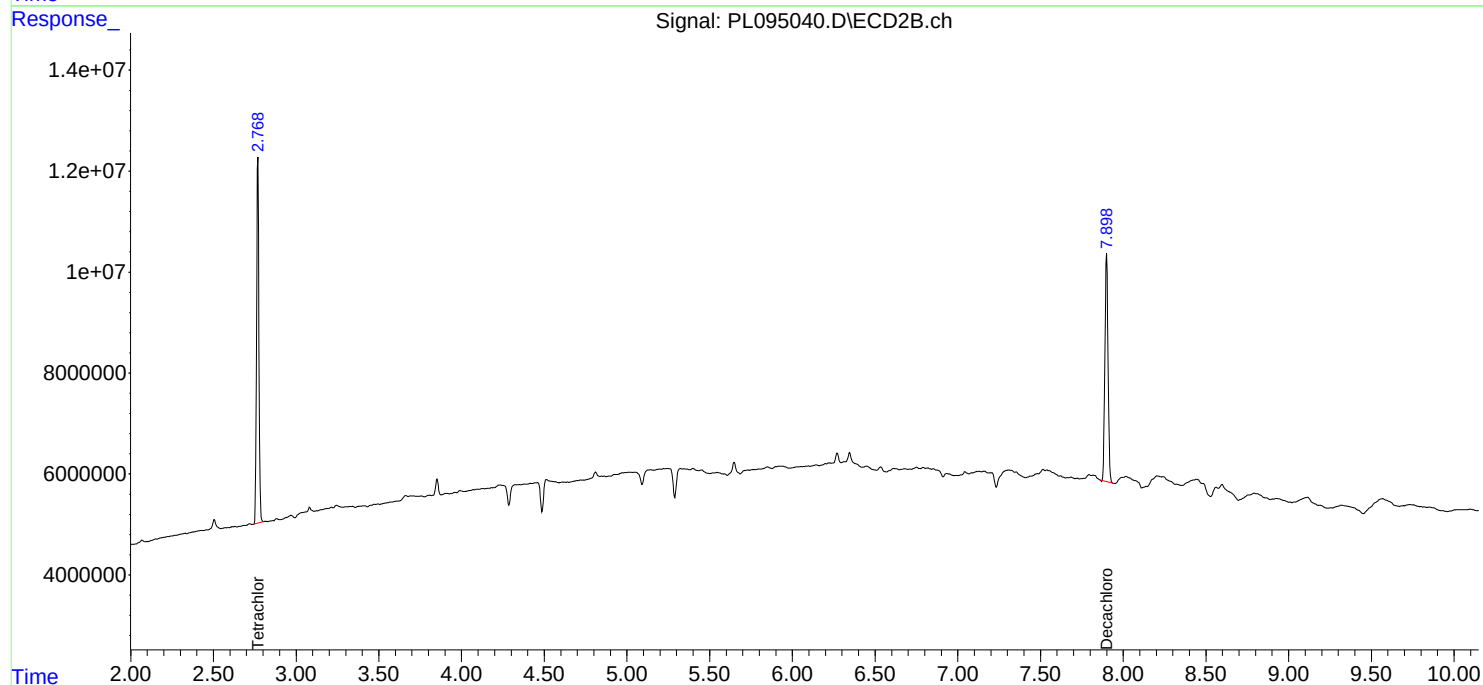
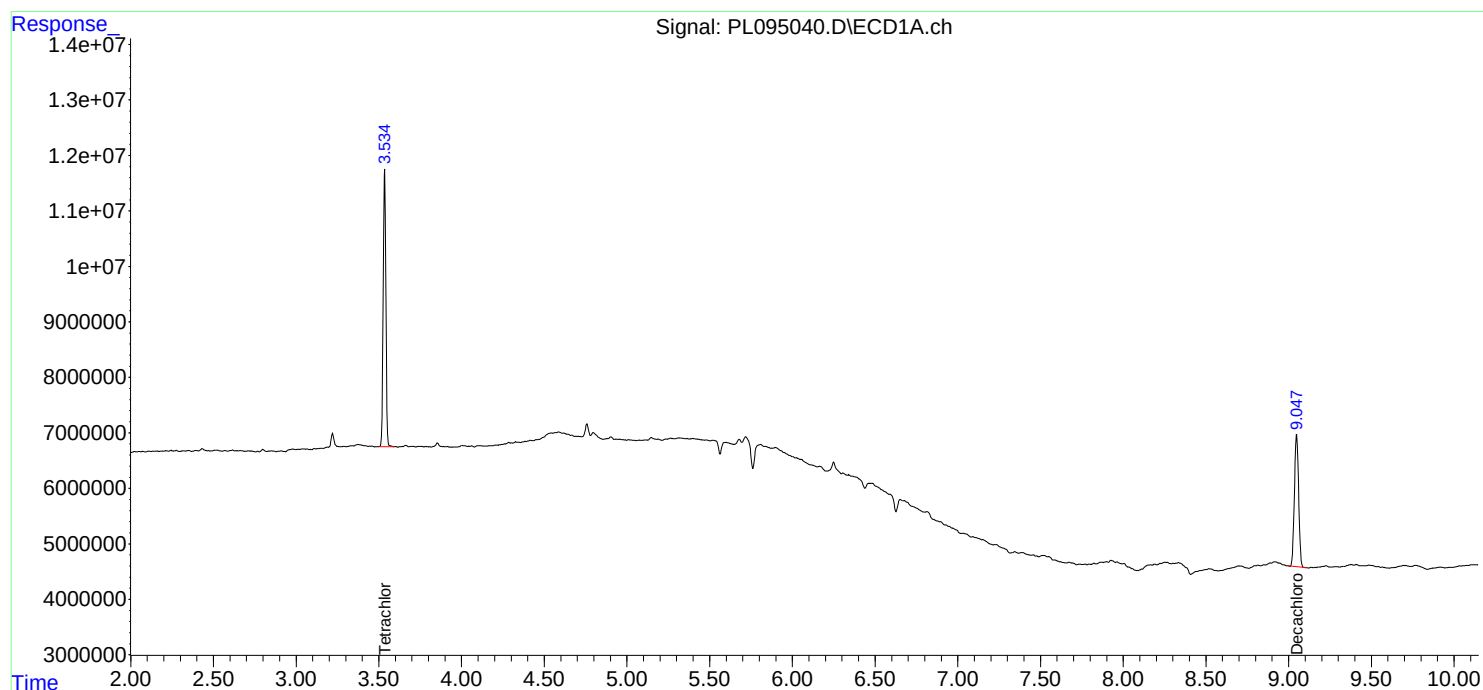
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

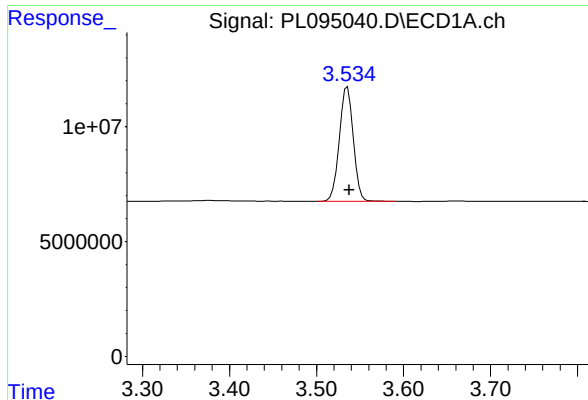
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 14:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:38:19 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

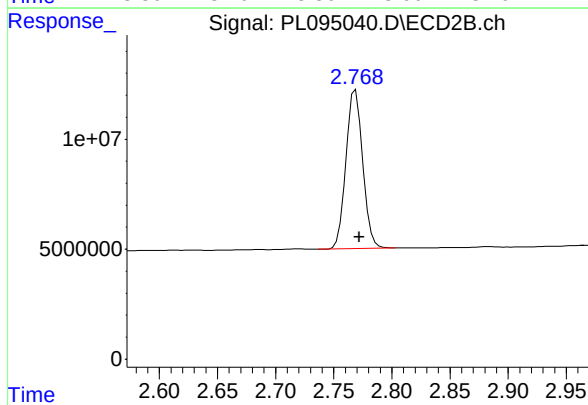




#1 Tetrachloro-m-xylene

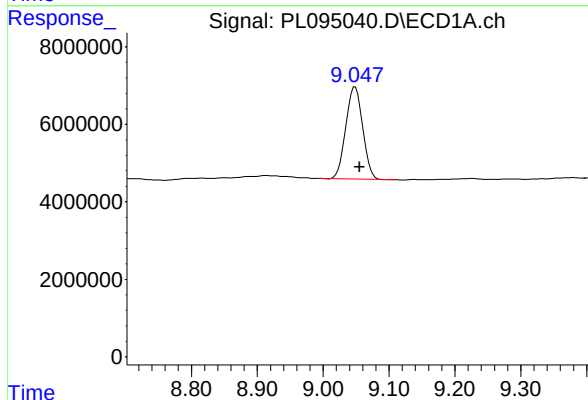
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 55762882
Conc: 19.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



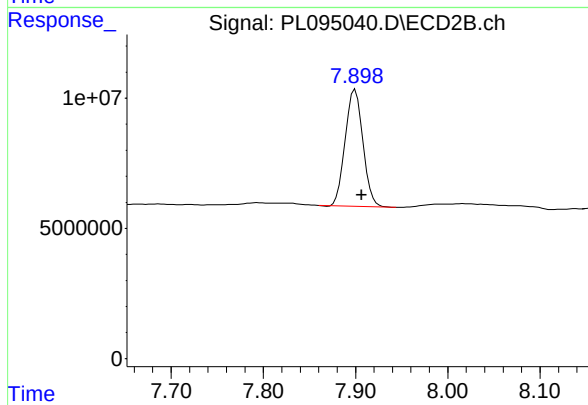
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 71932055
Conc: 20.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.007 min
Response: 42260087
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 59940671
Conc: 14.84 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167395BS		SDG No.:	Q1664	
Lab Sample ID:	PB167395BS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095030.D	1	03/31/25 12:10	04/03/25 11:56	PB167395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.49		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.47		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)	0.47		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.45		0.0027	0.050	ug/L
309-00-2	Aldrin	0.45		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	0.48		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.51		0.0037	0.050	ug/L
72-20-8	Endrin	0.48		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	0.55		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	0.51		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.52		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
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		43 - 140	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167395BS		SDG No.:	Q1664	
Lab Sample ID:	PB167395BS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095030.D	1	03/31/25 12:10	04/03/25 11:56	PB167395

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\PL040325\
 Data File : PL095030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Apr 2025 11:56
 Operator : AR\AJ
 Sample : PB167395BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167395BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 04 02:34:43 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...	3.541	2.768	52177715	67867186	18.433	19.014
28) SA Decachlor...	9.057	7.901	46200337	81783526	21.922	20.247
Target Compounds						
2) A alpha-BHC	3.998	3.270	179.9E6	263.3E6	43.320	48.831
3) MA gamma-BHC...	4.330	3.599	171.8E6	242.3E6	43.046	47.148
4) MA Heptachlor	4.918	3.937	169.9E6	236.9E6	43.772	44.959
5) MB Aldrin	5.259	4.216	162.1E6	218.7E6	43.900	44.847
6) B beta-BHC	4.529	3.900	78923706	104.6E6	42.772	47.086
7) B delta-BHC	4.776	4.128	179.1E6	229.1E6	45.987	45.804
8) B Heptachlo...	5.685	4.719	151.0E6	210.2E6	45.144	45.903
9) A Endosulfan I	6.072	5.089	143.0E6	195.7E6	46.576	44.599
10) B gamma-Chl...	5.942	4.969	154.4E6	222.6E6	45.828	46.099
11) B alpha-Chl...	6.021	5.032	152.4E6	219.3E6	46.235	45.940
12) B 4,4'-DDE	6.195	5.220	150.8E6	224.4E6	51.270	48.264m
13) MA Dieldrin	6.347	5.352	153.5E6	228.2E6	47.988	47.029m
14) MA Endrin	6.575	5.627	126.9E6	209.3E6	45.777m	47.961m
15) B Endosulfa...	6.797	5.924	130.1E6	207.7E6	47.914	47.995
16) A 4,4'-DDD	6.712	5.776	118.7E6	187.6E6	54.792	52.175
17) MA 4,4'-DDT	7.026	6.026	120.6E6	203.8E6	50.705	50.550
18) B Endrin al...	6.927	6.103	99742435	161.5E6	47.249	47.987
19) B Endosulfa...	7.161	6.326	115.1E6	200.2E6	47.344	49.148
20) A Methoxychlor	7.503	6.601	63926260	111.9E6	53.402	52.770
21) B Endrin ke...	7.646	6.830	129.6E6	247.5E6	49.025	51.863m
22) Mirex	8.118	7.009	94749833	179.2E6	45.855	47.227m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040325\
Data File : PL095030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Apr 2025 11:56
Operator : AR\AJ
Sample : PB167395BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167395BS

Manual Integrations

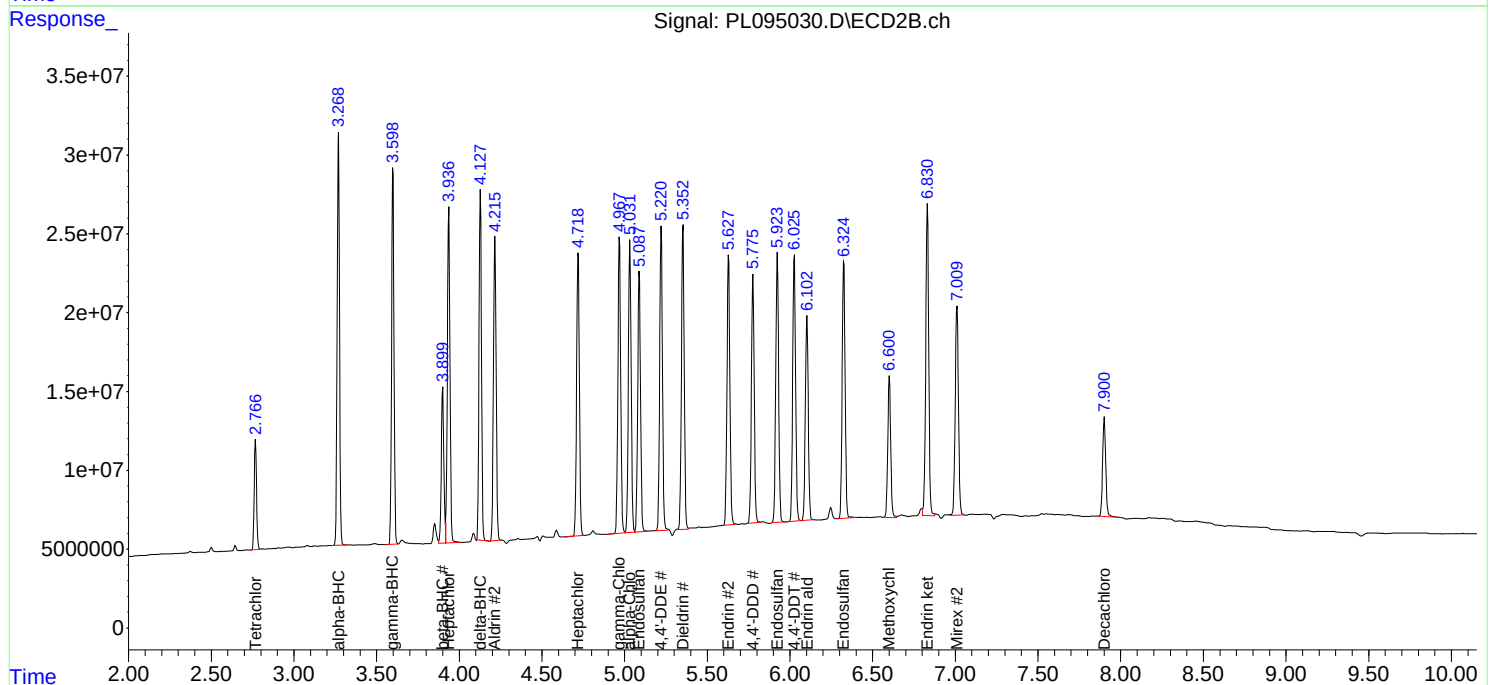
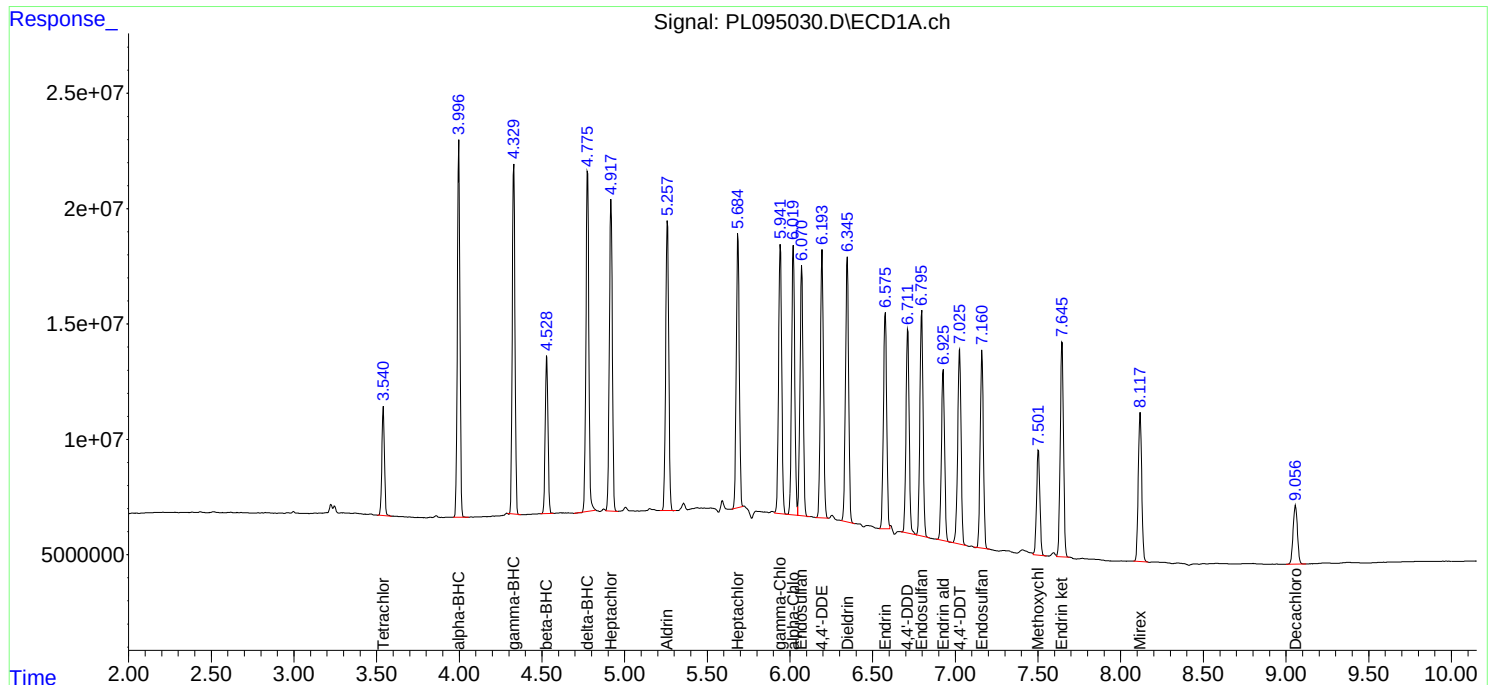
APPROVED

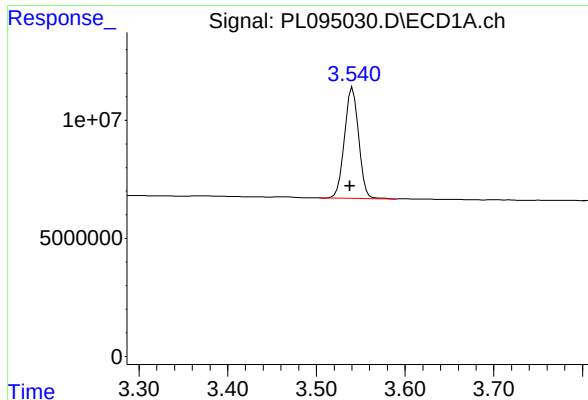
Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 04 02:34:43 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.: 3.541 min
Delta R.T.: 0.003 min
Response: 52177715
Conc: 18.43 ng/ml

Instrument :

ECD_L

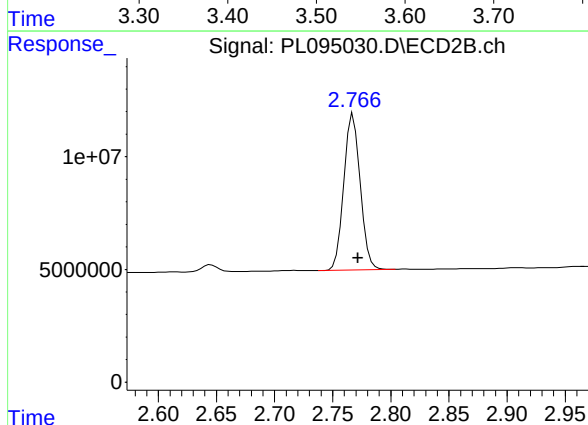
ClientSampleId :

PB167395BS

Manual Integrations
APPROVED

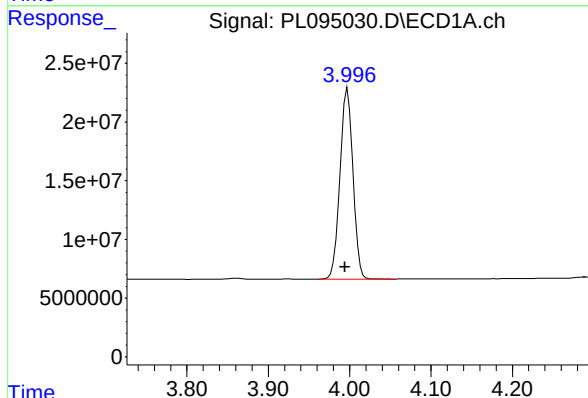
Reviewed By :Abdul Mirza 04/04/2025

Supervised By :mohammad ahmed 04/05/2025



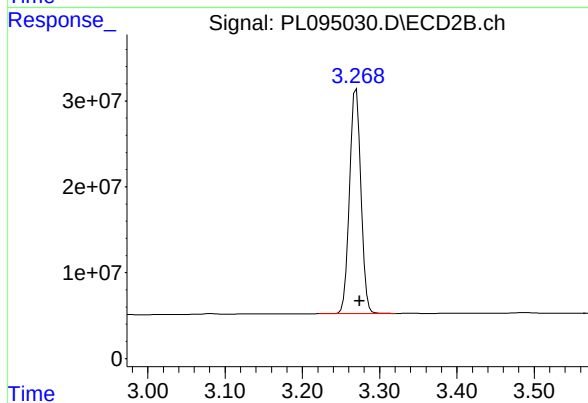
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 67867186
Conc: 19.01 ng/ml



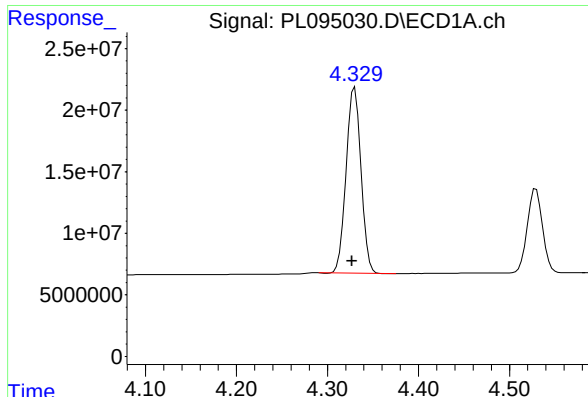
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 179879860
Conc: 43.32 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 263265535
Conc: 48.83 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 171765137
Conc: 43.05 ng/ml

Instrument :

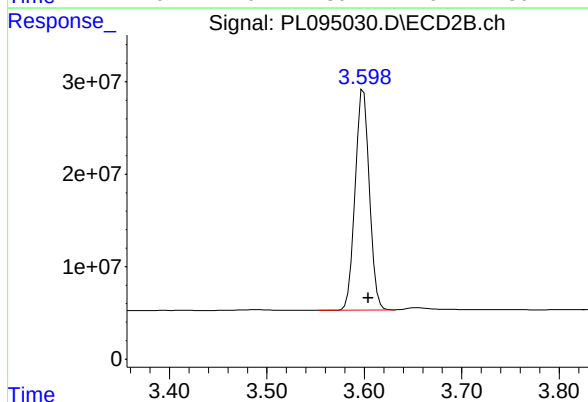
ECD_L

ClientSampleId :

PB167395BS

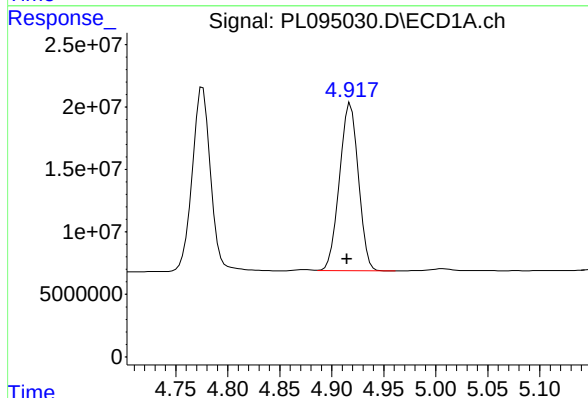
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



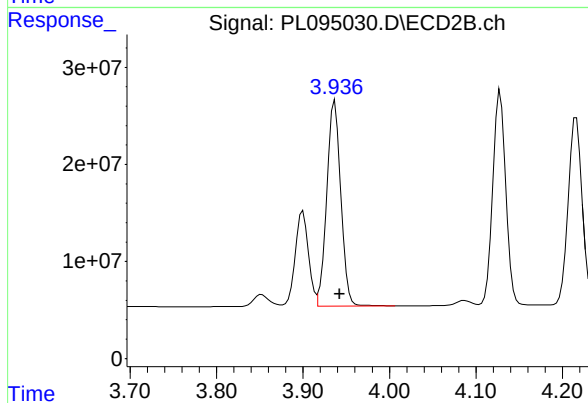
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 242316450
Conc: 47.15 ng/ml



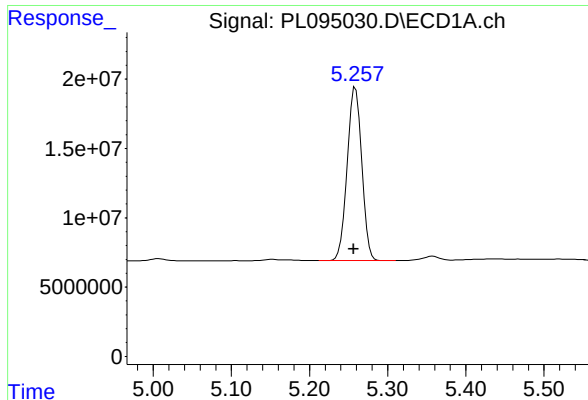
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.003 min
Response: 169905143
Conc: 43.77 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 236872721
Conc: 44.96 ng/ml



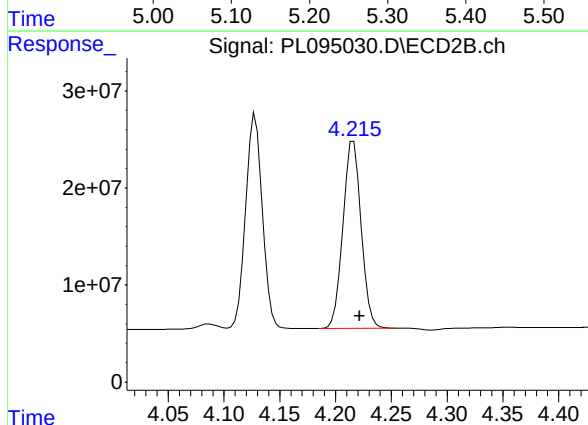
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.003 min
Response: 162088476
Conc: 43.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

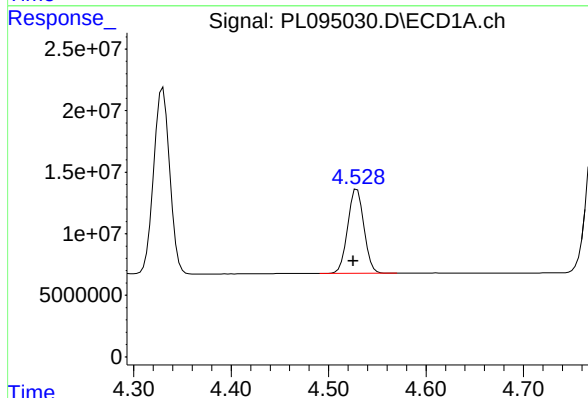
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



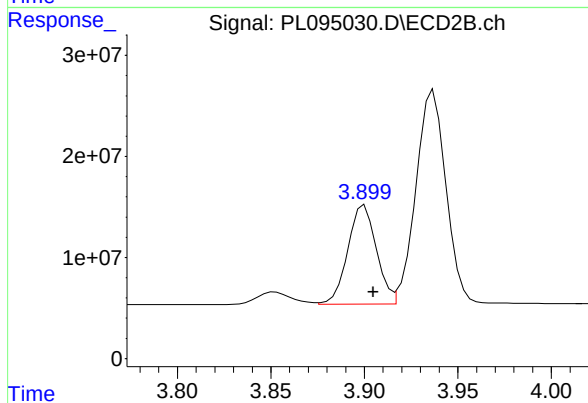
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.006 min
Response: 218691841
Conc: 44.85 ng/ml



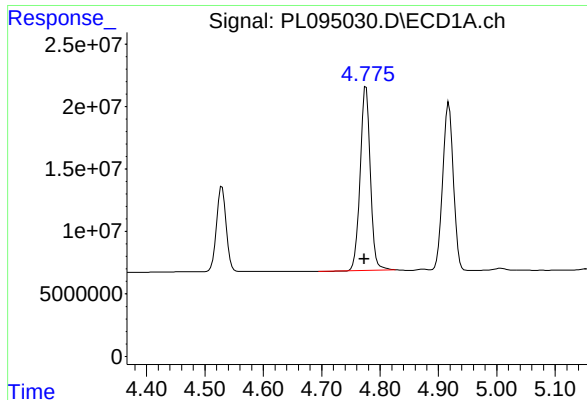
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 78923706
Conc: 42.77 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 104592148
Conc: 47.09 ng/ml



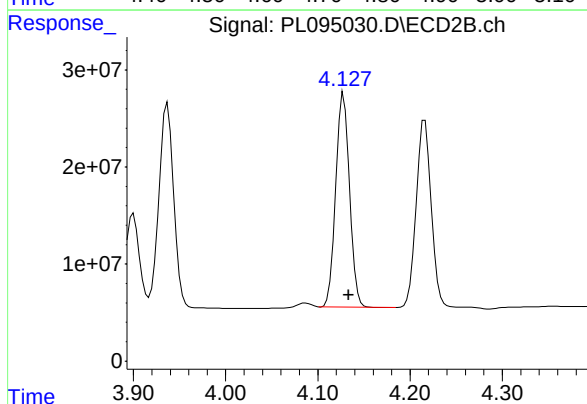
#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.003 min
Response: 179089358
Conc: 45.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

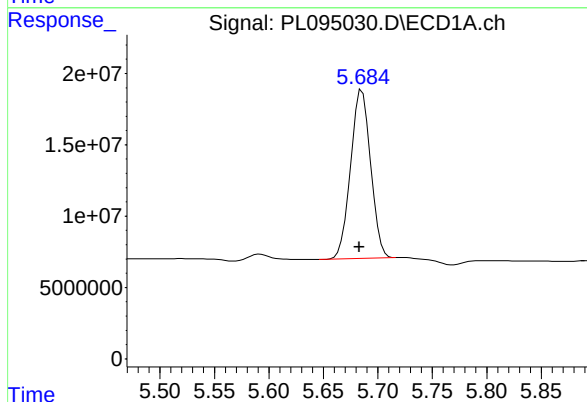
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



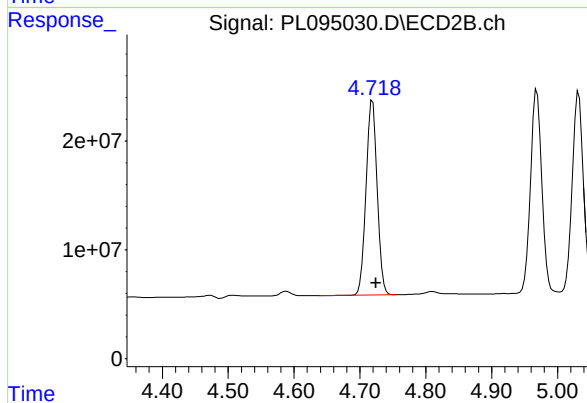
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 229111426
Conc: 45.80 ng/ml



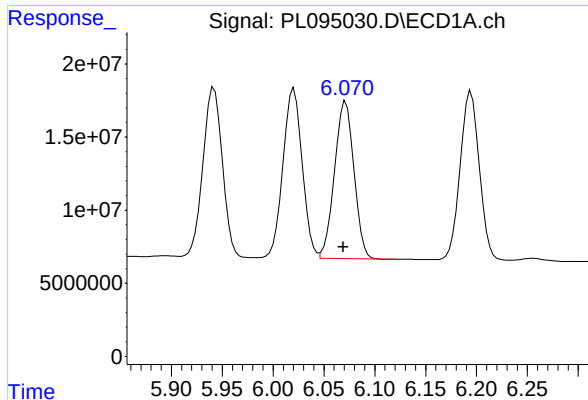
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.002 min
Response: 151015299
Conc: 45.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 210168920
Conc: 45.90 ng/ml



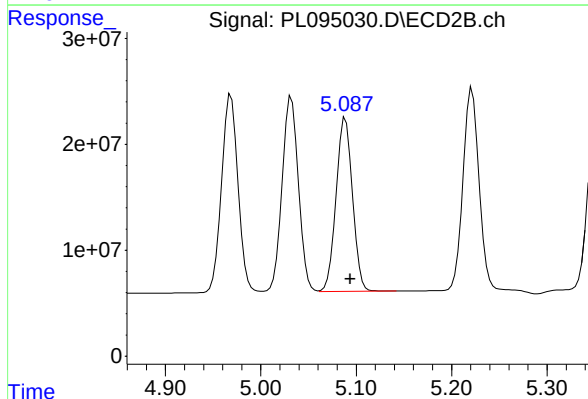
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.002 min
Response: 142996405
Conc: 46.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

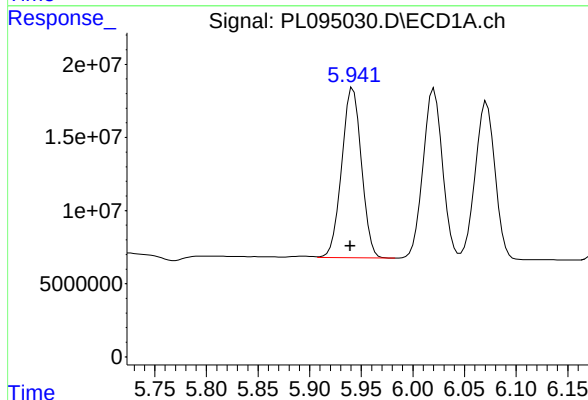
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



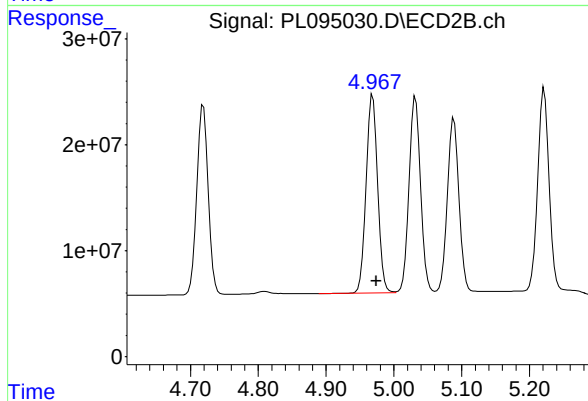
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 195732738
Conc: 44.60 ng/ml



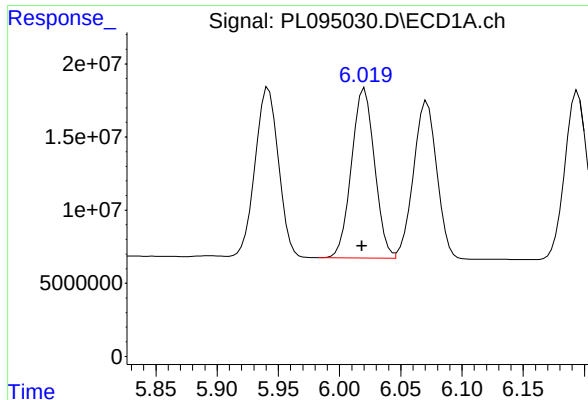
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.002 min
Response: 154412838
Conc: 45.83 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 222585356
Conc: 46.10 ng/ml



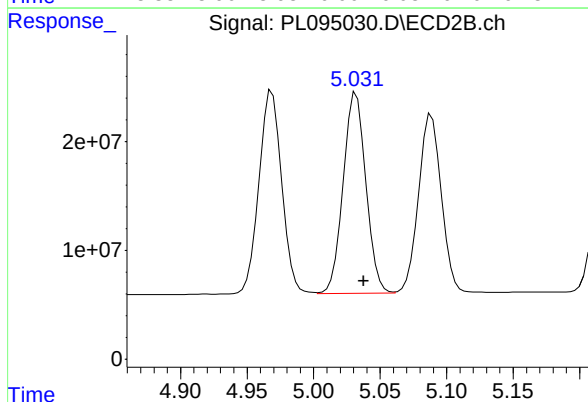
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.002 min
Response: 152429438
Conc: 46.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

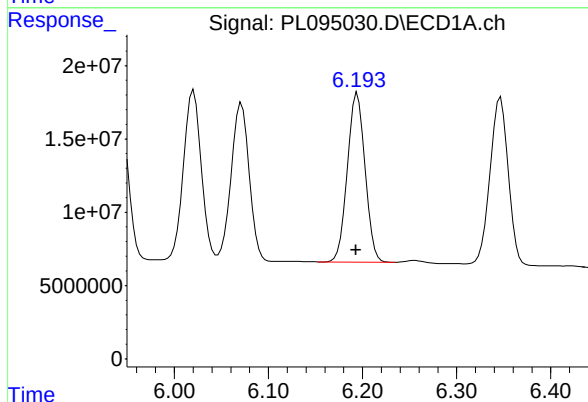
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



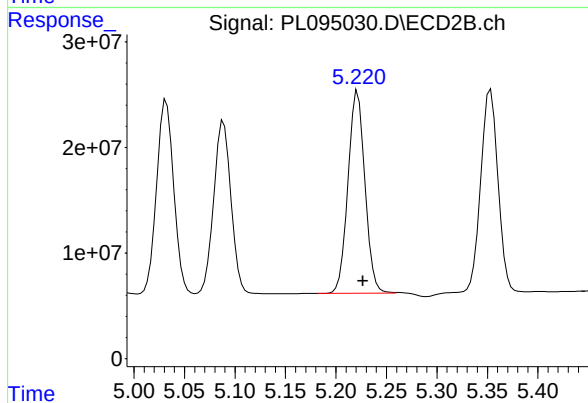
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.006 min
Response: 219259462
Conc: 45.94 ng/ml



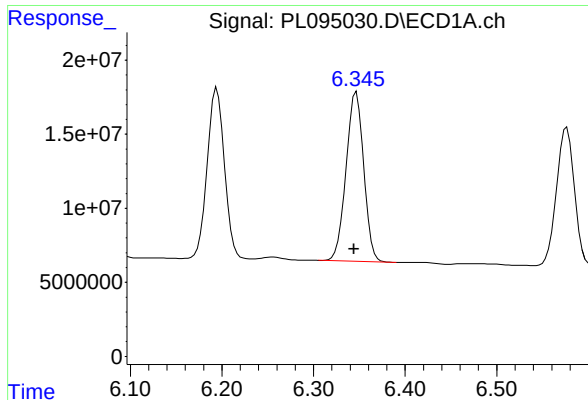
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 150838004
Conc: 51.27 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.006 min
Response: 224355792
Conc: 48.26 ng/ml m



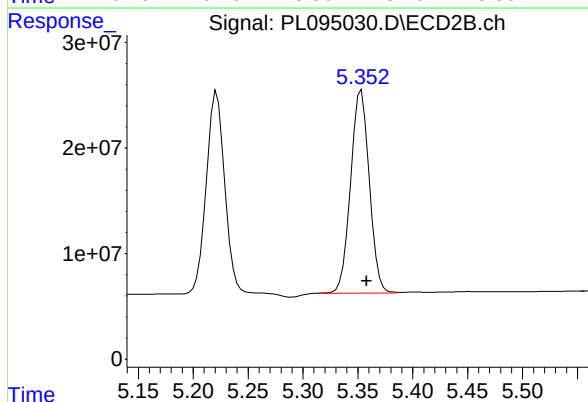
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 153471854
Conc: 47.99 ng/ml m

Instrument :
ECD_L
ClientSampleId :
PB167395BS

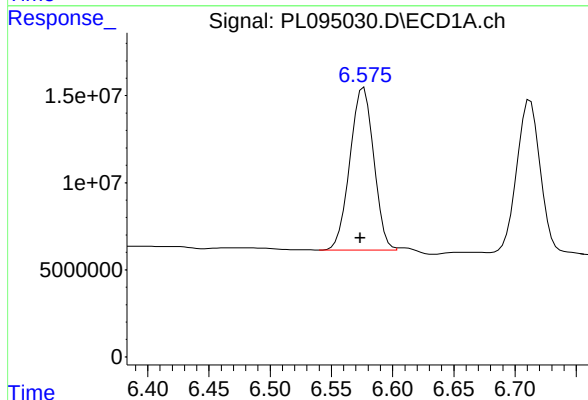
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



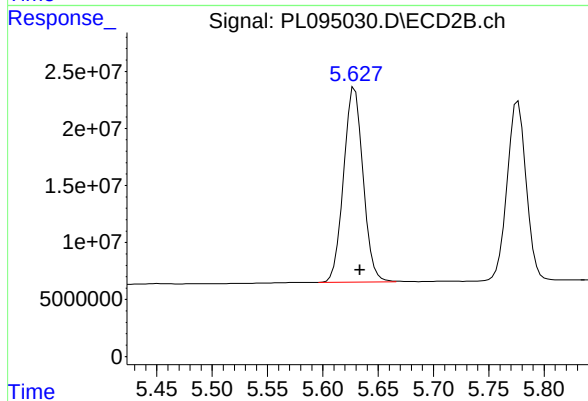
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 228175770
Conc: 47.03 ng/ml m



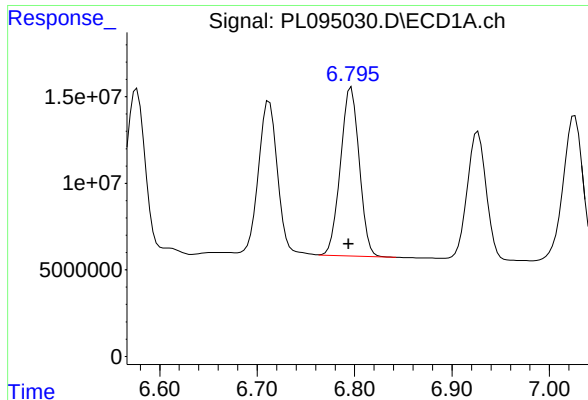
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.002 min
Response: 126897782
Conc: 45.78 ng/ml m



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.006 min
Response: 209286867
Conc: 47.96 ng/ml m



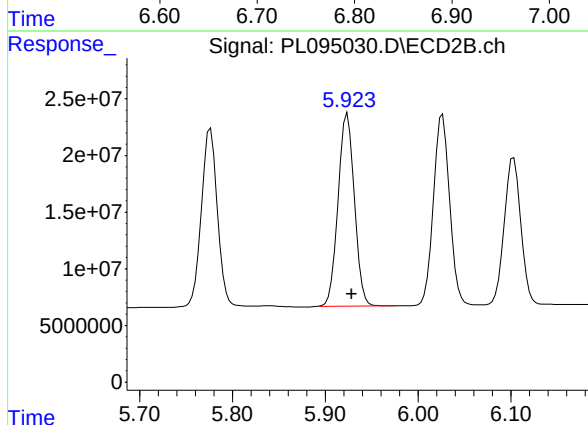
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.003 min
Response: 130074242
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

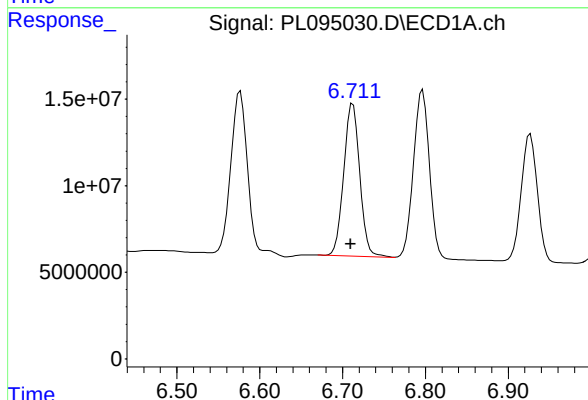
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



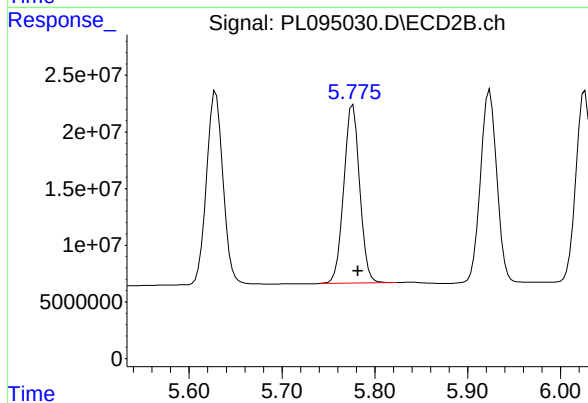
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.005 min
Response: 207734211
Conc: 47.99 ng/ml



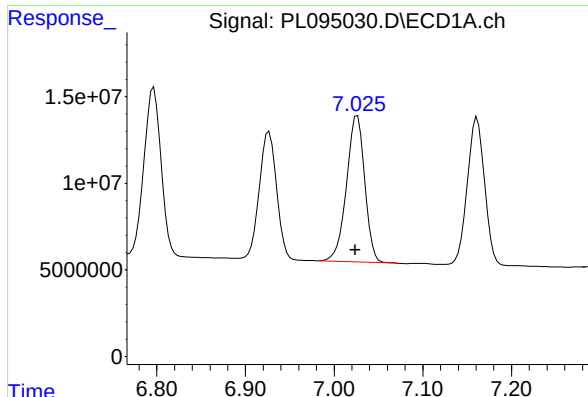
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.003 min
Response: 118683446
Conc: 54.79 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.005 min
Response: 187616530
Conc: 52.18 ng/ml



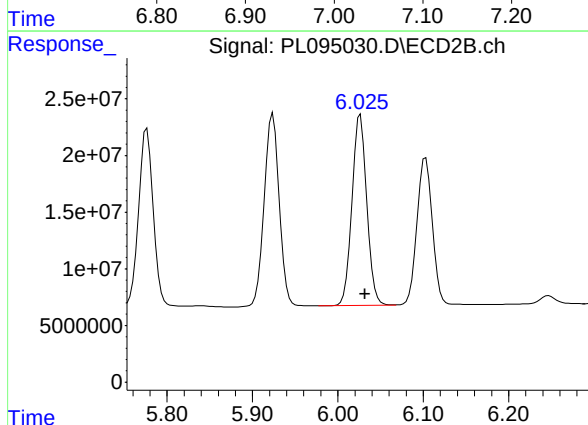
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.002 min
Response: 120603730
Conc: 50.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

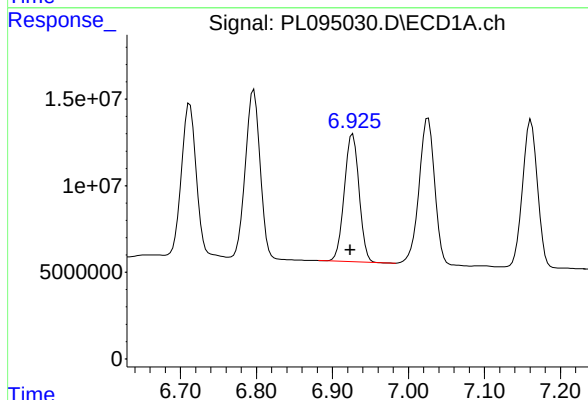
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



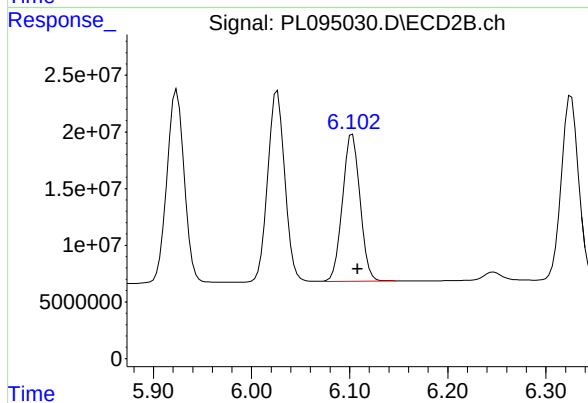
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.005 min
Response: 203824682
Conc: 50.55 ng/ml



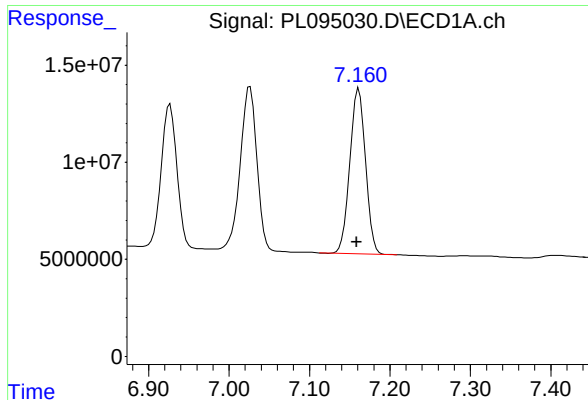
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.003 min
Response: 99742435
Conc: 47.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 161495574
Conc: 47.99 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.003 min
Response: 115140841
Conc: 47.34 ng/ml

Instrument :

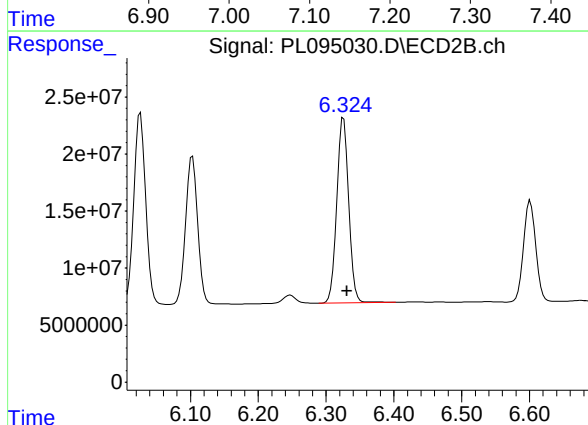
ECD_L

ClientSampleId :

PB167395BS

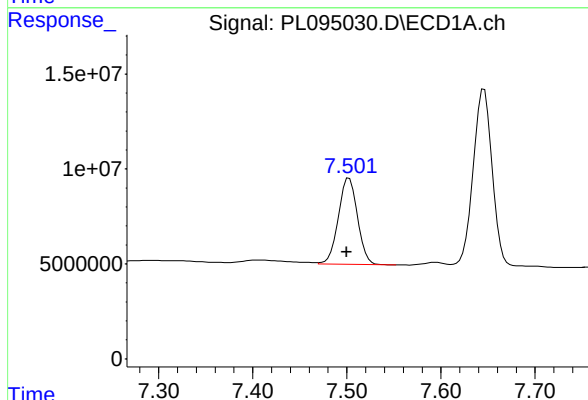
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



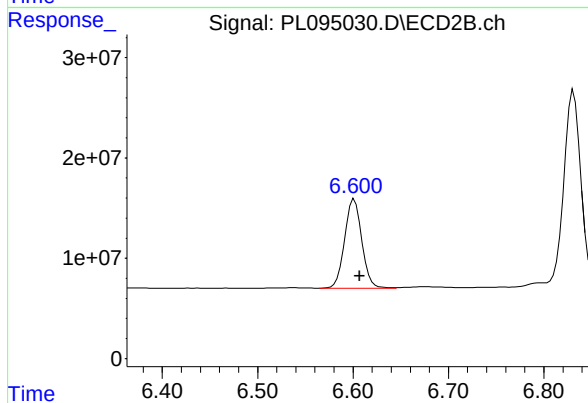
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 200199606
Conc: 49.15 ng/ml



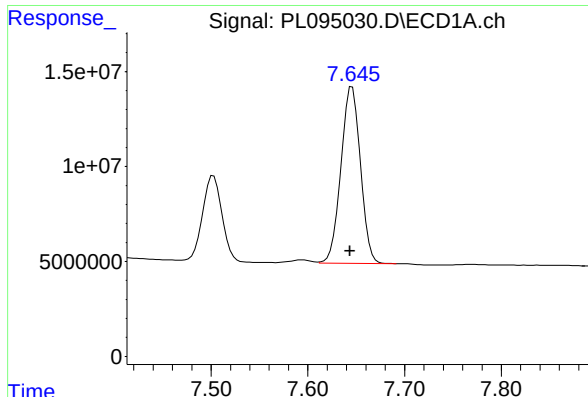
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.003 min
Response: 63926260
Conc: 53.40 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 111928489
Conc: 52.77 ng/ml



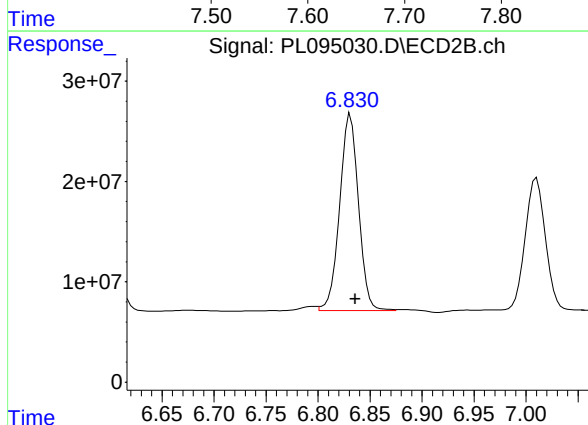
#21 Endrin ketone

R.T.: 7.646 min
Delta R.T.: 0.002 min
Response: 129586659
Conc: 49.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

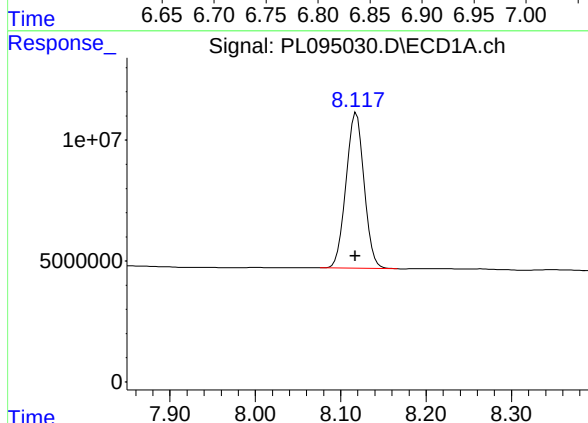
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



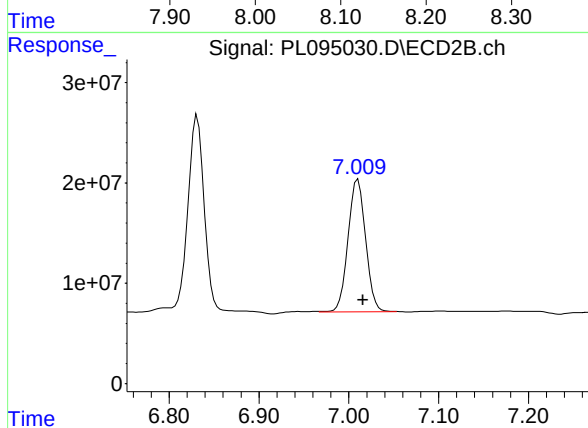
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 247518034
Conc: 51.86 ng/ml m



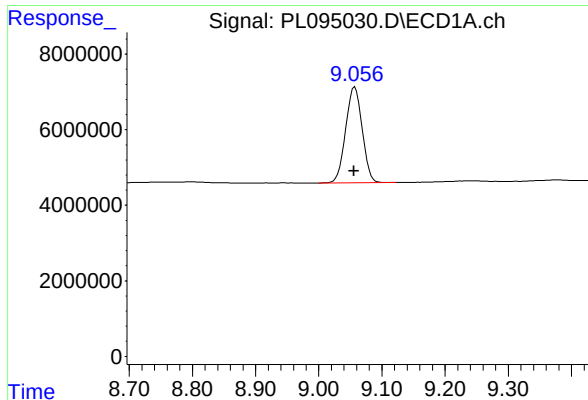
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.001 min
Response: 94749833
Conc: 45.86 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.007 min
Response: 179240602
Conc: 47.23 ng/ml m



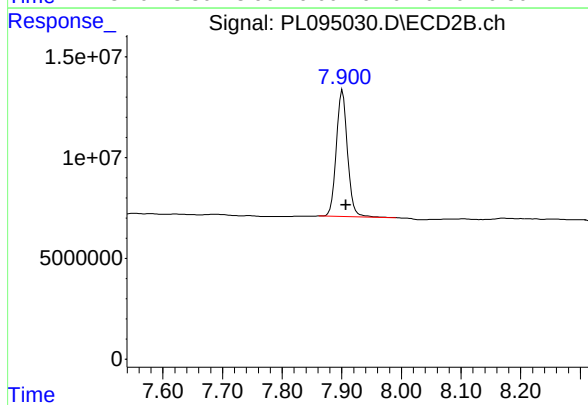
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 46200337
Conc: 21.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167395BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/04/2025
Supervised By :mohammad ahmed 04/05/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 81783526
Conc: 20.25 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-05MS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	SPLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094965.D	1	03/31/25 12:10	03/31/25 18:51	PB167395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.55		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.55		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.55		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.55		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0027	0.050	ug/L
309-00-2	Aldrin	0.47		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.53		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.54		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.55		0.0037	0.050	ug/L
72-20-8	Endrin	0.56		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.54		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.60		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.55		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.56		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.58		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.56		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.51		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.52		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.52		0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		43 - 140	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		77 - 126	116%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01MS		SDG No.:	Q1664	
Lab Sample ID:	Q1664-05MS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094965.D	1	03/31/25 12:10	03/31/25 18:51	PB167395

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\PL033125\
 Data File : PL094965.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 18:51
 Operator : AR\AJ
 Sample : Q1664-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-BBDGA-001-01MS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/01/2025
 Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:14:19 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	60655901	82835624	21.428	23.208
28) SA Decachlor...	9.055	7.903	48869446	91598224	23.189	22.676
Target Compounds						
2) A alpha-BHC	3.993	3.272	206.0E6	296.5E6	49.602	54.987
3) MA gamma-BHC...	4.325	3.602	200.3E6	283.3E6	50.209m	55.122
4) MA Heptachlor	4.914	3.939	171.9E6	251.5E6	44.281	47.743
5) MB Aldrin	5.255	4.219	160.9E6	229.3E6	43.575	47.015
6) B beta-BHC	4.525	3.902	89684681	122.9E6	48.604	55.349
7) B delta-BHC	4.771	4.131	204.0E6	274.0E6	52.383	54.775
8) B Heptachlo...	5.682	4.721	158.6E6	242.6E6	47.419	52.986
9) A Endosulfan I	6.068	5.091	159.0E6	234.7E6	51.786	53.487
10) B gamma-Chl...	5.939	4.971	166.6E6	250.0E6	49.452	51.779
11) B alpha-Chl...	6.017	5.034	166.4E6	247.6E6	50.474	51.870
12) B 4,4'-DDE	6.191	5.223	160.6E6	247.9E6	54.596	53.329
13) MA Dieldrin	6.343	5.355	170.1E6	260.8E6	53.185	53.762
14) MA Endrin	6.572	5.630	145.3E6	242.4E6	52.423m	55.549
15) B Endosulfa...	6.794	5.926	145.4E6	235.2E6	53.576	54.338
16) A 4,4'-DDD	6.710	5.778	129.1E6	210.0E6	59.620	58.396
17) MA 4,4'-DDT	7.024	6.029	133.2E6	225.4E6	56.016	55.893
18) B Endrin al...	6.924	6.105	104.7E6	171.6E6	49.586	50.975
19) B Endosulfa...	7.159	6.328	128.0E6	225.3E6	52.613	55.303
20) A Methoxychlor	7.501	6.603	68410759	122.9E6	57.148	57.927
21) B Endrin ke...	7.644	6.833	144.4E6	264.9E6	54.611	55.502
22) Mirex	8.116	7.011	94639643	183.0E6	45.802	48.214m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 18:51
Operator : AR\AJ
Sample : Q1664-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

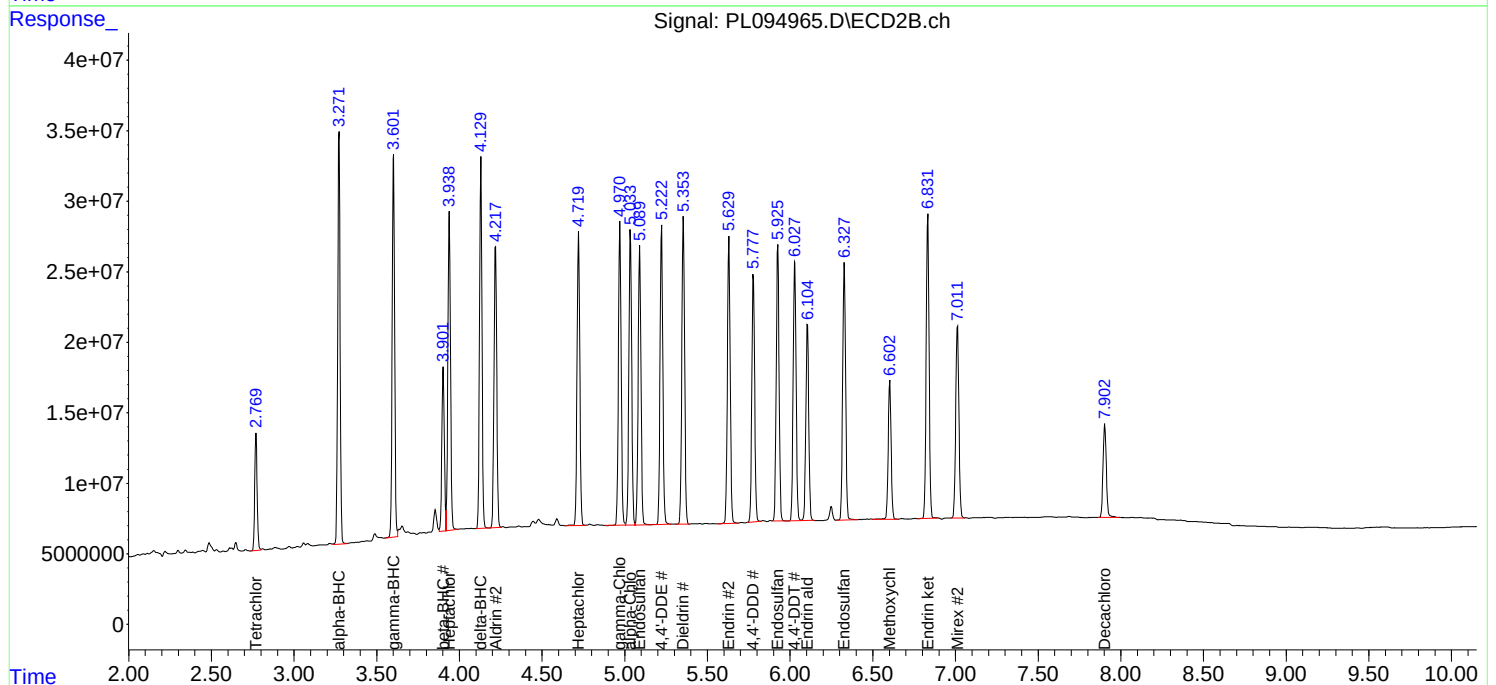
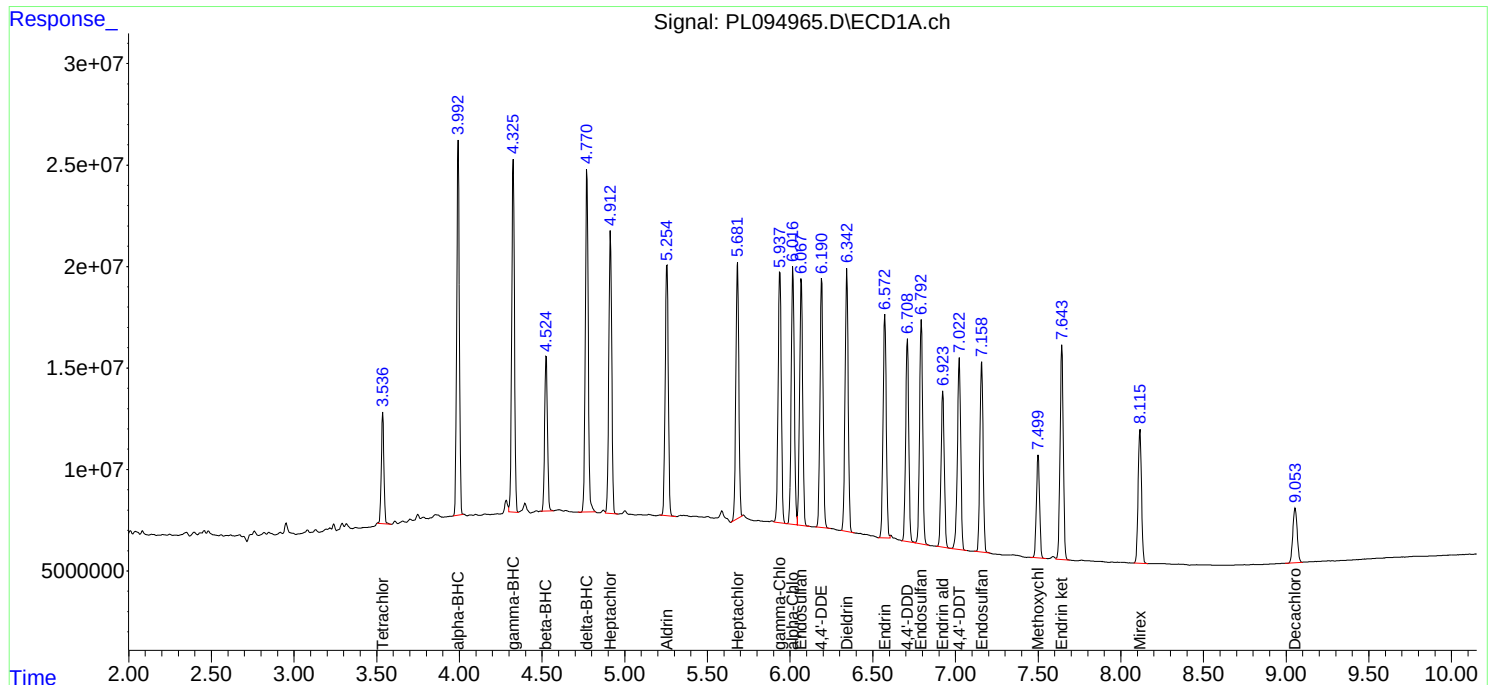
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

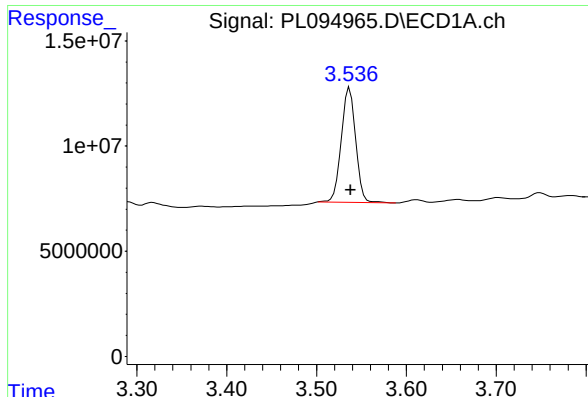
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/01/2025
Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:14:19 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





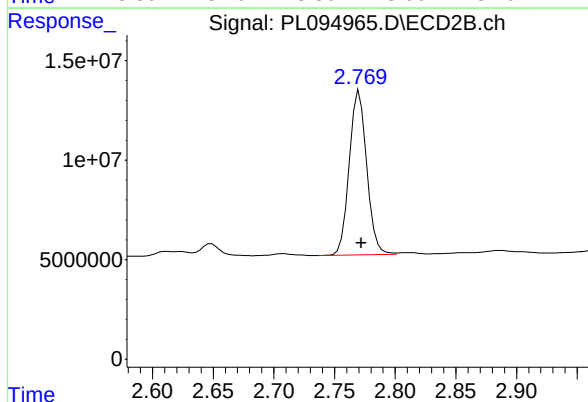
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 60655901
Conc: 21.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

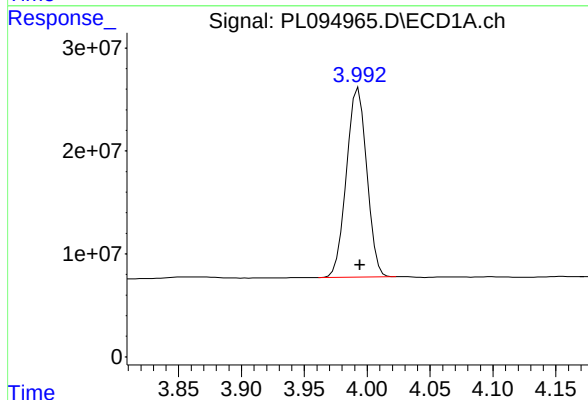
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



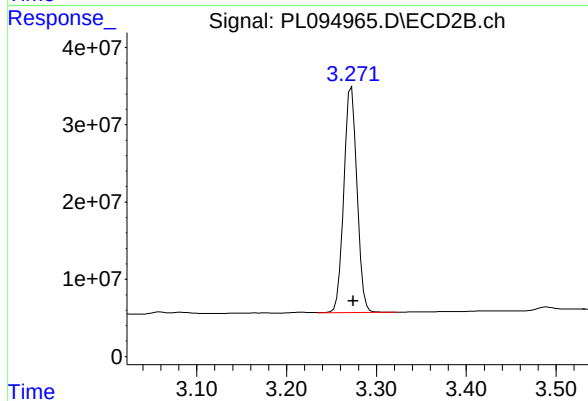
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 82835624
Conc: 23.21 ng/ml



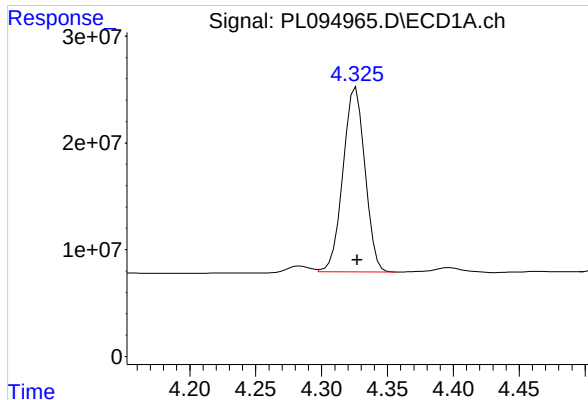
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 205964507
Conc: 49.60 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 296453046
Conc: 54.99 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 200347382
Conc: 50.21 ng/ml

Instrument :

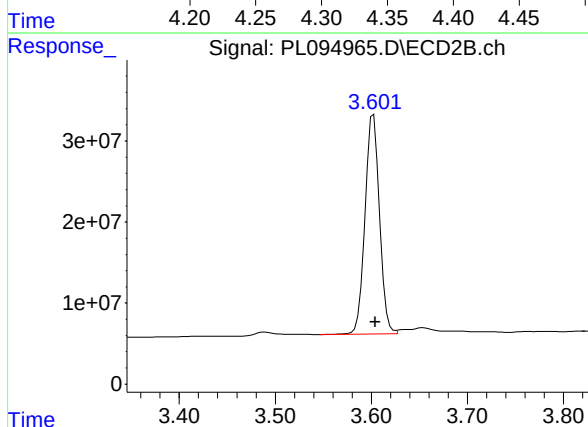
ECD_L

ClientSampleId :

P001-BBDGA-001-01MS

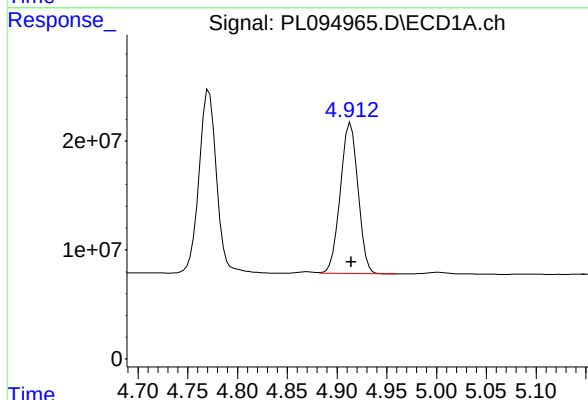
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



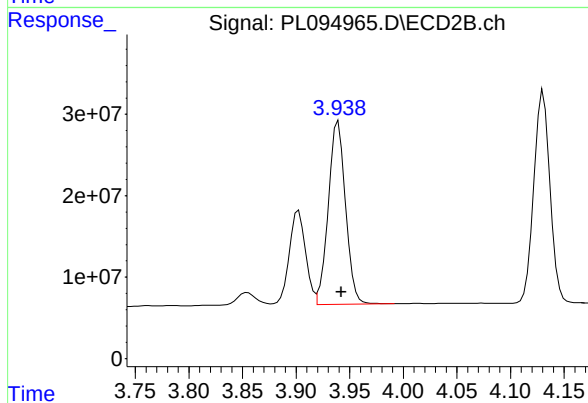
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 283295022
Conc: 55.12 ng/ml



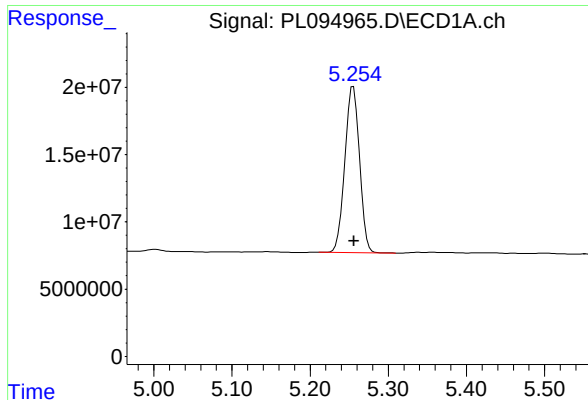
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 171883783
Conc: 44.28 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 251540203
Conc: 47.74 ng/ml



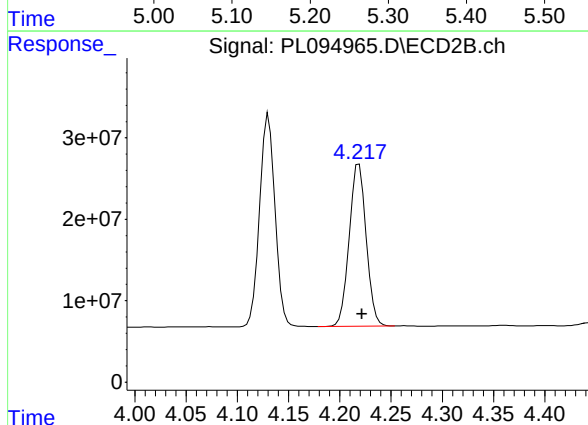
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 160889637
Conc: 43.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

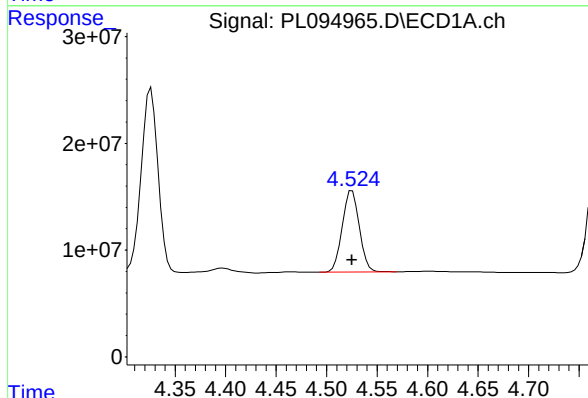
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



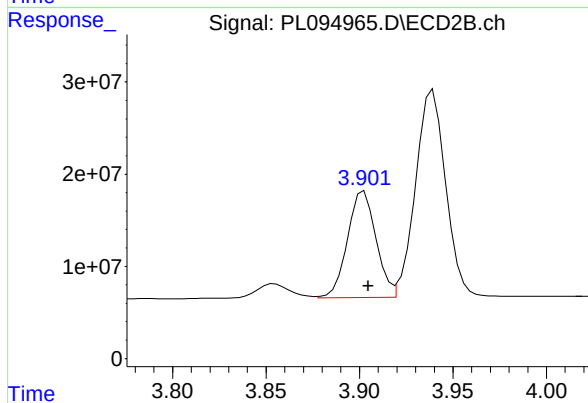
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.003 min
Response: 229262880
Conc: 47.02 ng/ml



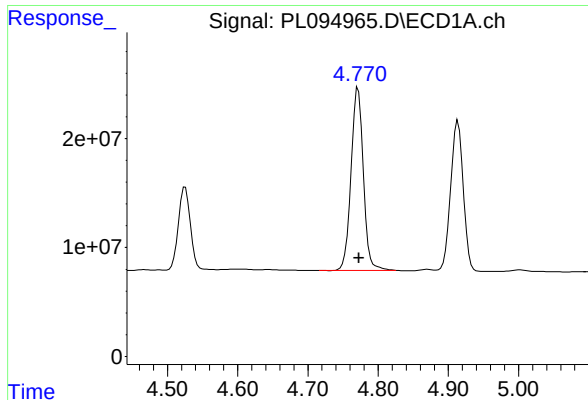
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 89684681
Conc: 48.60 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.002 min
Response: 122946239
Conc: 55.35 ng/ml



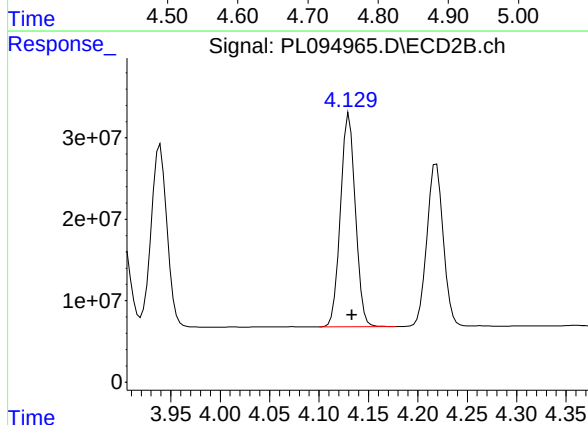
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: -0.001 min
Response: 203994409
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

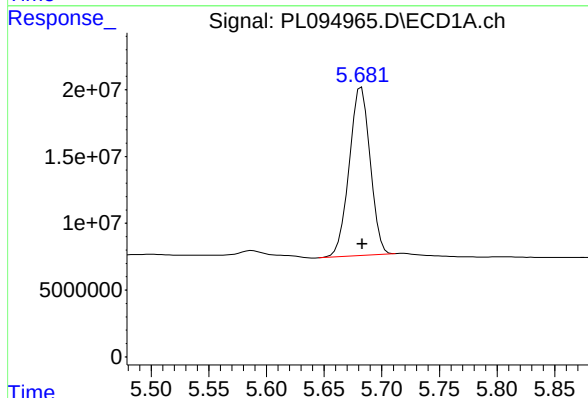
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



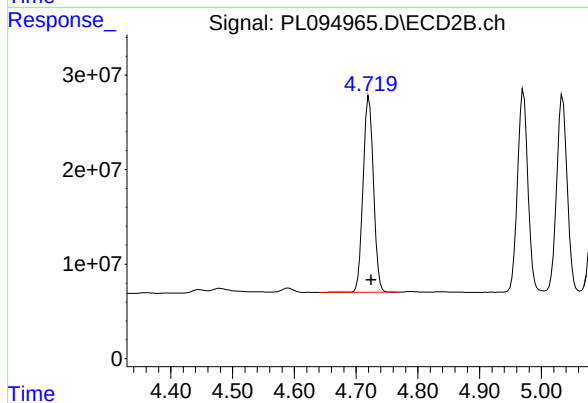
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.003 min
Response: 273983875
Conc: 54.78 ng/ml



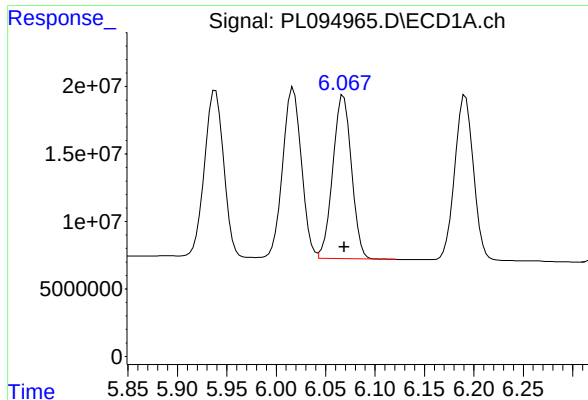
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 158625619
Conc: 47.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min
Delta R.T.: -0.004 min
Response: 242602919
Conc: 52.99 ng/ml



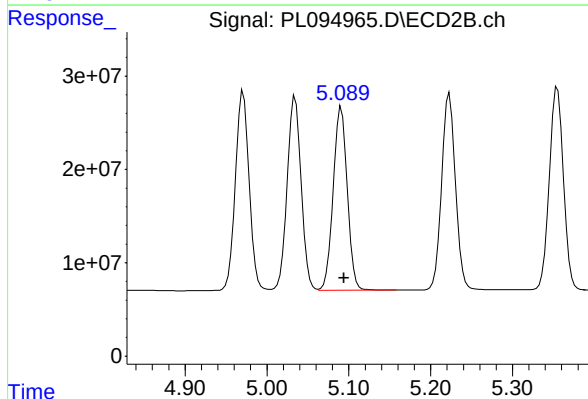
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 158993014
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

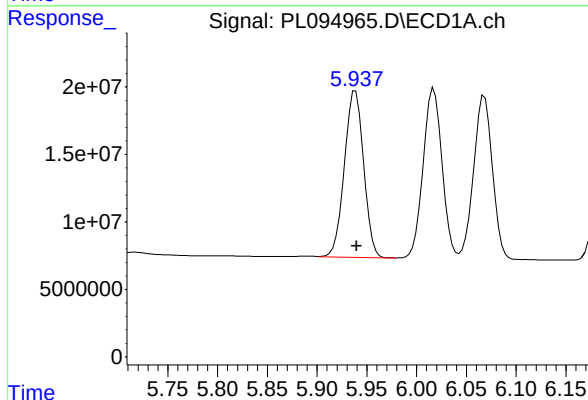
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



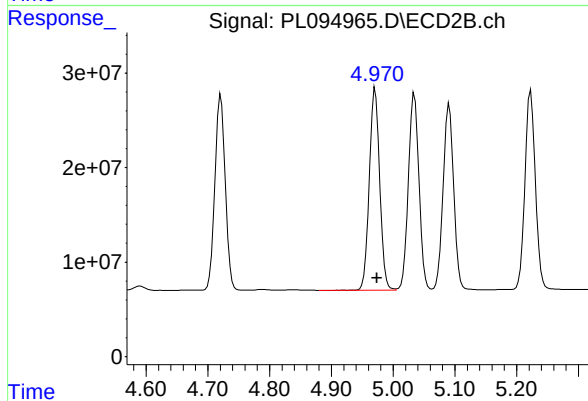
#9 Endosulfan I

R.T.: 5.091 min
Delta R.T.: -0.003 min
Response: 234742072
Conc: 53.49 ng/ml



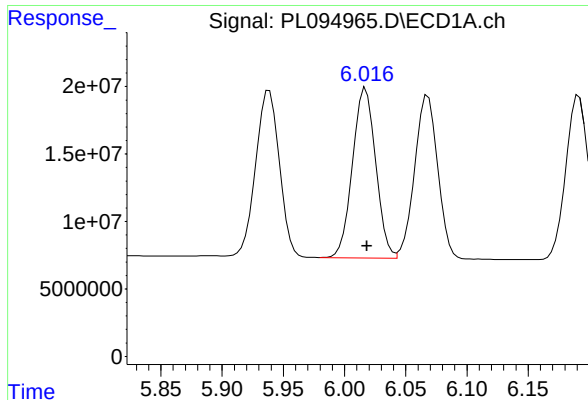
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 166620284
Conc: 49.45 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 250009272
Conc: 51.78 ng/ml



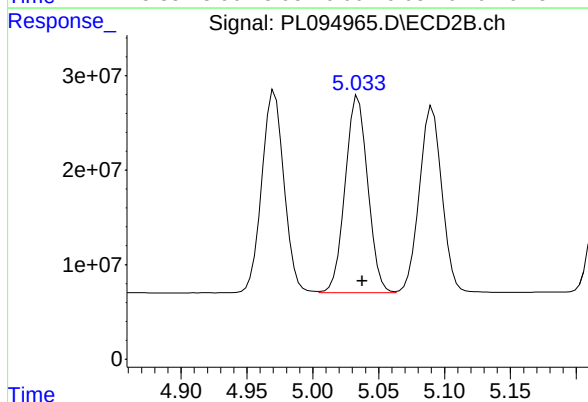
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 166405518
Conc: 50.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

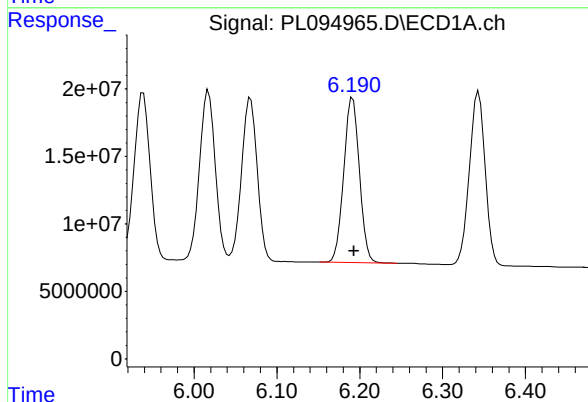
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



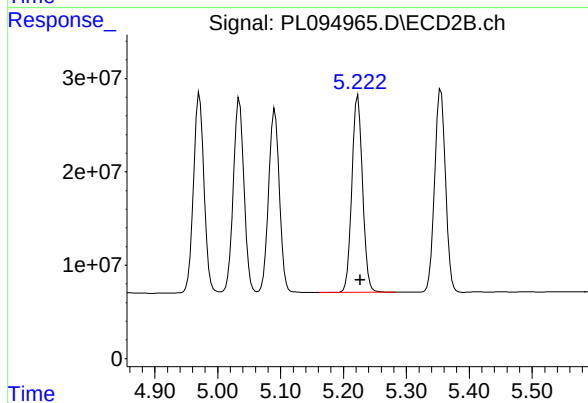
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.003 min
Response: 247563070
Conc: 51.87 ng/ml



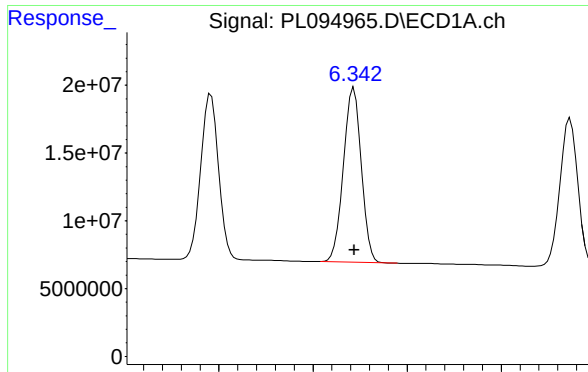
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 160625938
Conc: 54.60 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 247902967
Conc: 53.33 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 170093803
Conc: 53.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

#13 Dieldrin

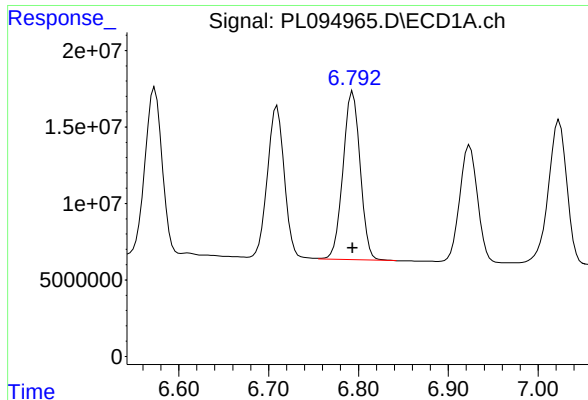
R.T.: 5.355 min
Delta R.T.: -0.003 min
Response: 260842595
Conc: 53.76 ng/ml

#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.002 min
Response: 145321470
Conc: 52.42 ng/ml m

#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 242396050
Conc: 55.55 ng/ml



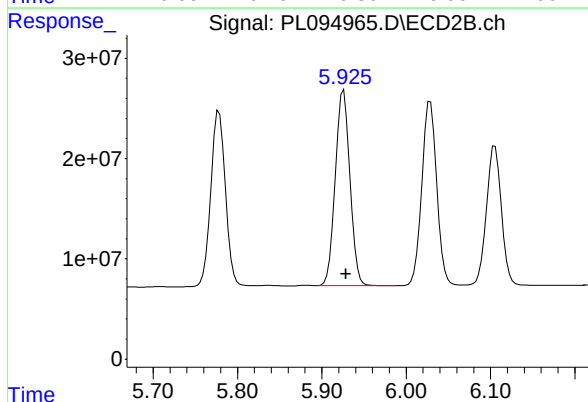
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 145445761
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

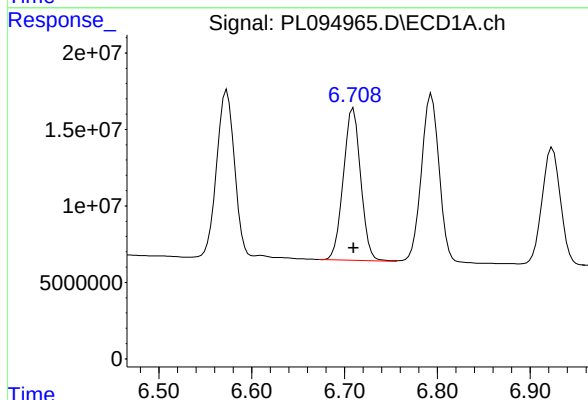
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



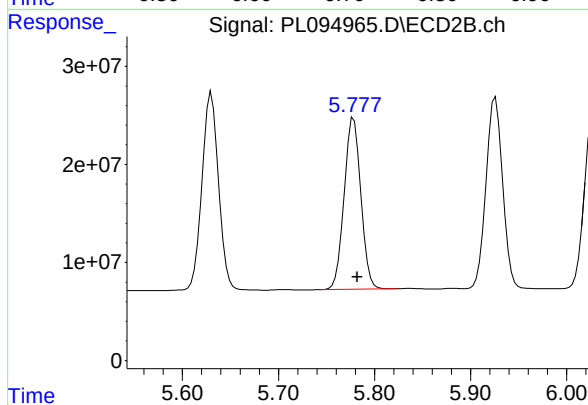
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.003 min
Response: 235189550
Conc: 54.34 ng/ml



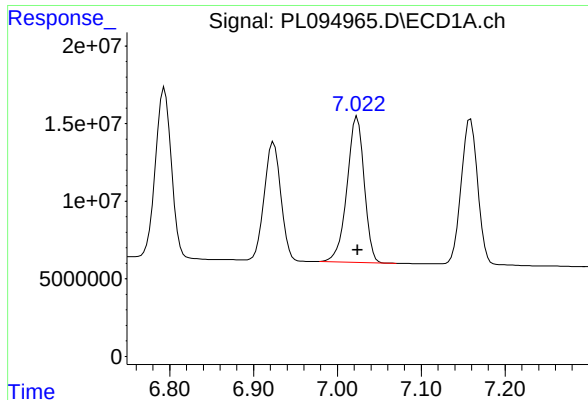
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 129141423
Conc: 59.62 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 209987101
Conc: 58.40 ng/ml



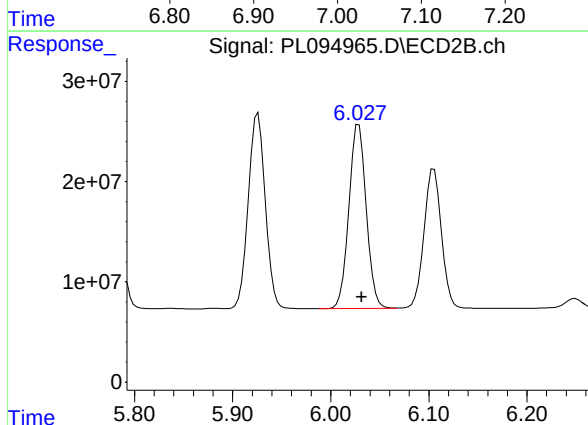
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 133237435
Conc: 56.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

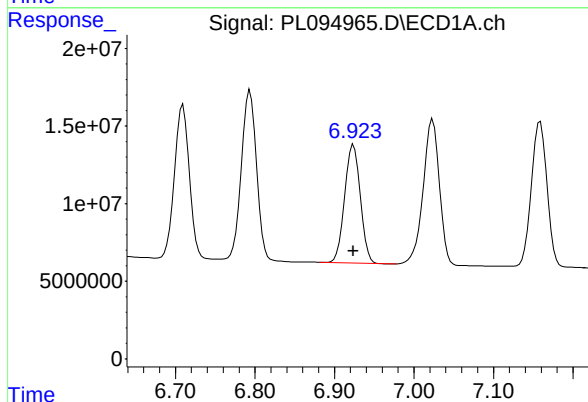
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



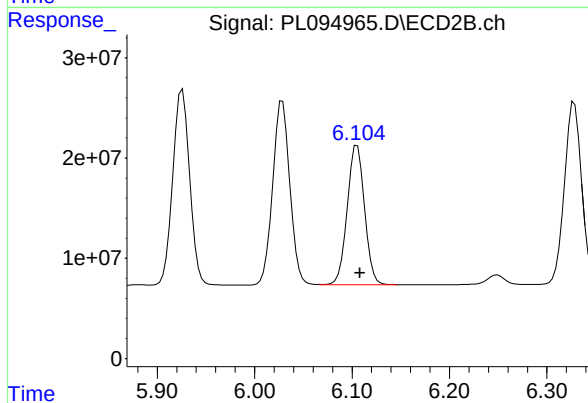
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 225367159
Conc: 55.89 ng/ml



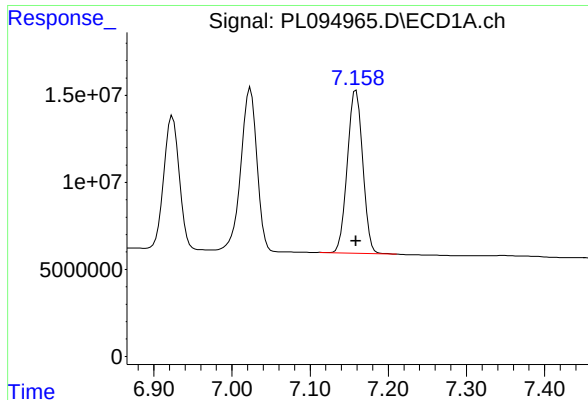
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 104674790
Conc: 49.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.003 min
Response: 171550367
Conc: 50.98 ng/ml



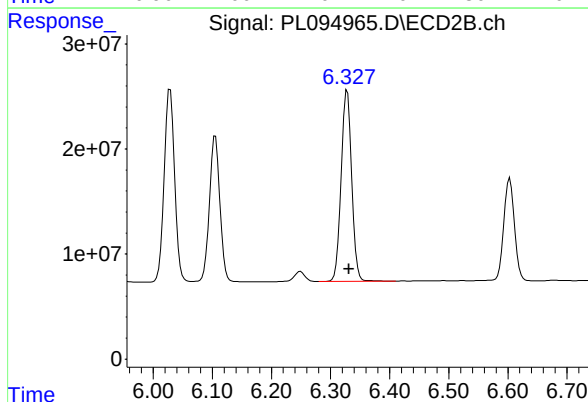
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 127957031
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

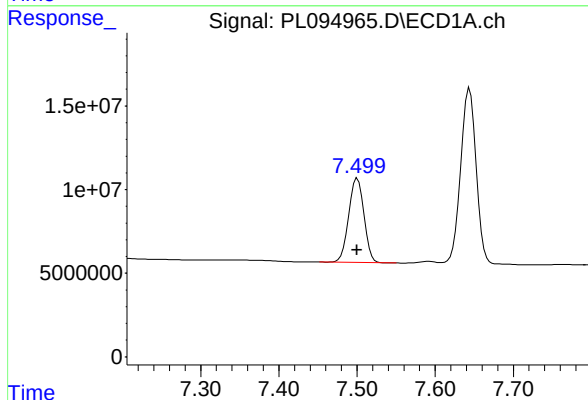
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



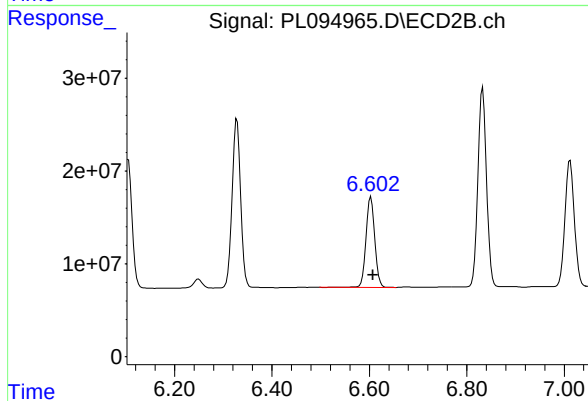
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.003 min
Response: 225274421
Conc: 55.30 ng/ml



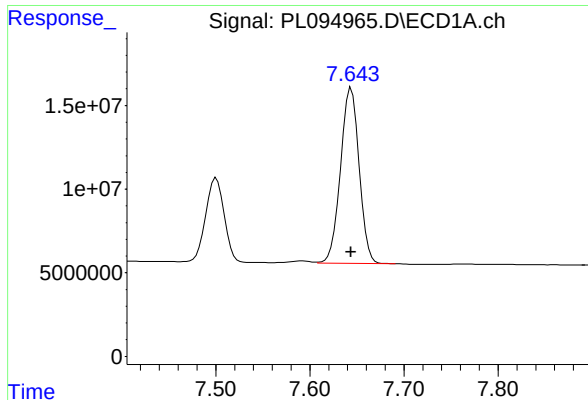
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 68410759
Conc: 57.15 ng/ml



#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 122867636
Conc: 57.93 ng/ml



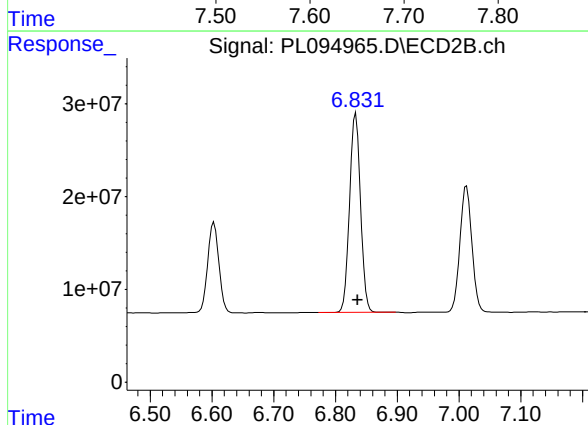
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 144350385
Conc: 54.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

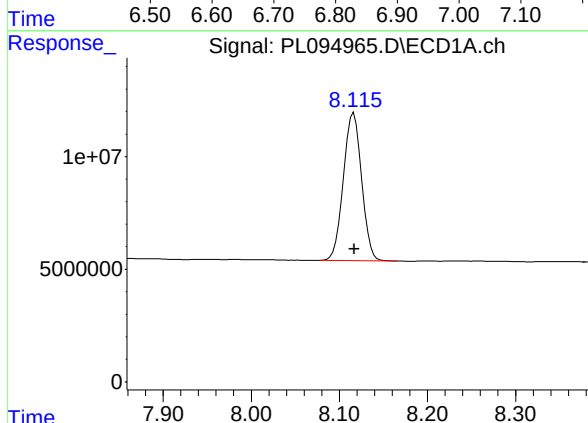
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



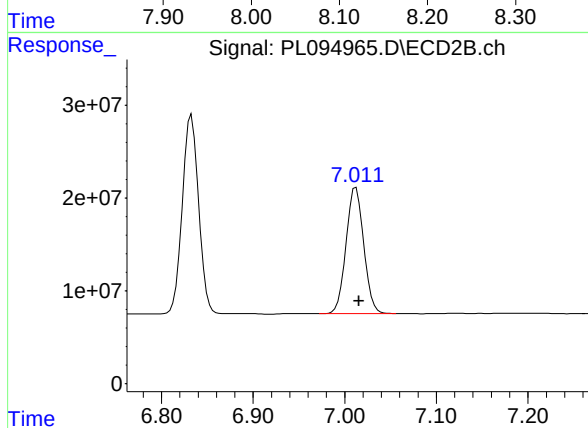
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 264885764
Conc: 55.50 ng/ml



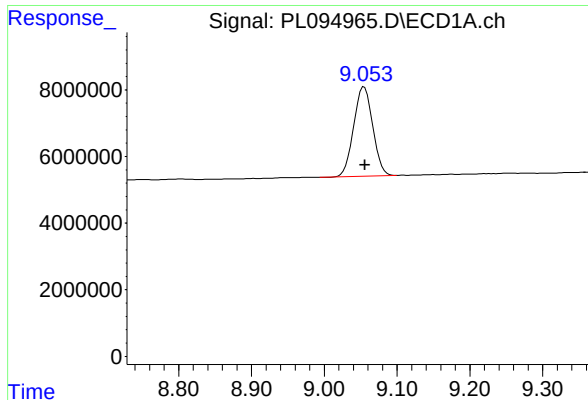
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 94639643
Conc: 45.80 ng/ml



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.005 min
Response: 182985830
Conc: 48.21 ng/ml m



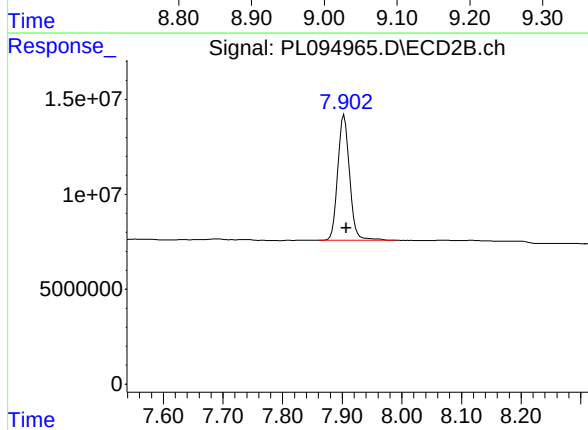
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 48869446
Conc: 23.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 91598224
Conc: 22.68 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-06MSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094966.D	1	03/31/25 12:10	03/31/25 19:05	PB167395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.52		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.53		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.52		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.53		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	0.50		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.51		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.51		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.52		0.0037	0.050	ug/L
72-20-8	Endrin	0.52		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.51		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.57		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.52		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.53		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.54		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.49		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.49		0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		77 - 126	109%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-06MSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094966.D	1	03/31/25 12:10	03/31/25 19:05	PB167395

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\PL033125\
 Data File : PL094966.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Mar 2025 19:05
 Operator : AR\AJ
 Sample : Q1664-06MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-BBDGA-001-01MSD

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 04/01/2025
 Supervised By : mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 02:14:34 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	2.786	58636956	77442821	20.715	21.697
28) SA Decachlor...	9.055	7.920	46694794	84456836	22.157	20.908
Target Compounds						
2) A alpha-BHC	3.993	3.288	198.7E6	282.7E6	47.859	52.442
3) MA gamma-BHC...	4.324	3.618	192.9E6	269.9E6	48.340m	52.515
4) MA Heptachlor	4.914	3.955	164.7E6	237.6E6	42.420	45.092
5) MB Aldrin	5.255	4.235	152.5E6	212.5E6	41.306	43.580
6) B beta-BHC	4.525	3.919	85845939	117.1E6	46.523	52.702
7) B delta-BHC	4.772	4.147	195.6E6	260.9E6	50.223	52.163
8) B Heptachlo...	5.682	4.738	154.9E6	228.4E6	46.314	49.888
9) A Endosulfan I	6.068	5.108	151.7E6	222.4E6	49.414	50.685
10) B gamma-Chl...	5.938	4.988	158.7E6	235.4E6	47.114	48.744
11) B alpha-Chl...	6.018	5.051	158.0E6	233.4E6	47.915	48.897
12) B 4,4'-DDE	6.192	5.240	152.6E6	233.8E6	51.878	50.286
13) MA Dieldrin	6.343	5.371	161.8E6	246.1E6	50.605	50.714
14) MA Endrin	6.574	5.647	135.2E6	228.6E6	48.790	52.399
15) B Endosulfa...	6.794	5.942	138.8E6	222.0E6	51.113	51.284
16) A 4,4'-DDD	6.710	5.795	122.7E6	197.7E6	56.628	54.974
17) MA 4,4'-DDT	7.023	6.045	126.6E6	211.4E6	53.235	52.434
18) B Endrin al...	6.924	6.120	99689048	164.0E6	47.224	48.721m
19) B Endosulfa...	7.158	6.345	122.8E6	211.9E6	50.498	52.013
20) A Methoxychlor	7.500	6.619	65058411	115.3E6	54.348	54.365m
21) B Endrin ke...	7.644	6.849	137.4E6	250.2E6	51.988	52.427m
22) Mirex	8.116	7.028	90494327	175.3E6	43.796	46.194m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL033125\
Data File : PL094966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Mar 2025 19:05
Operator : AR\AJ
Sample : Q1664-06MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

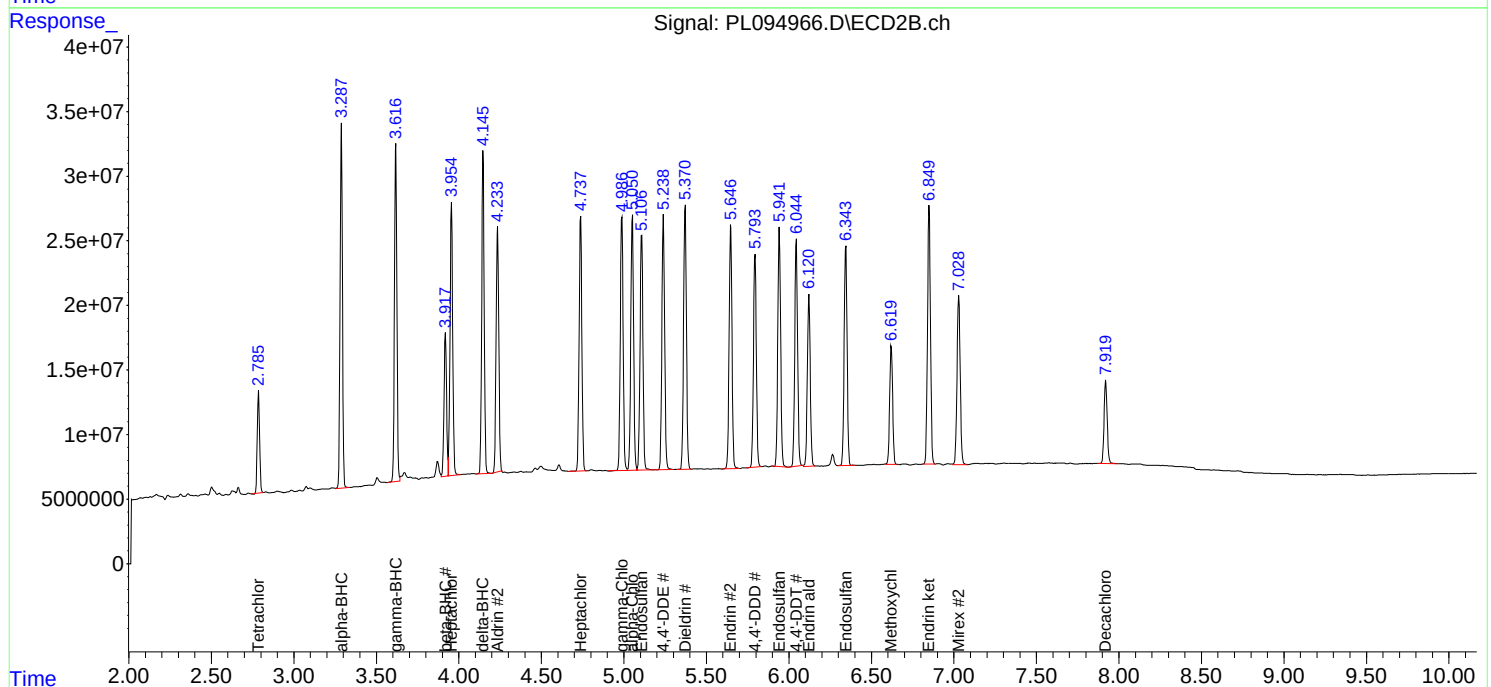
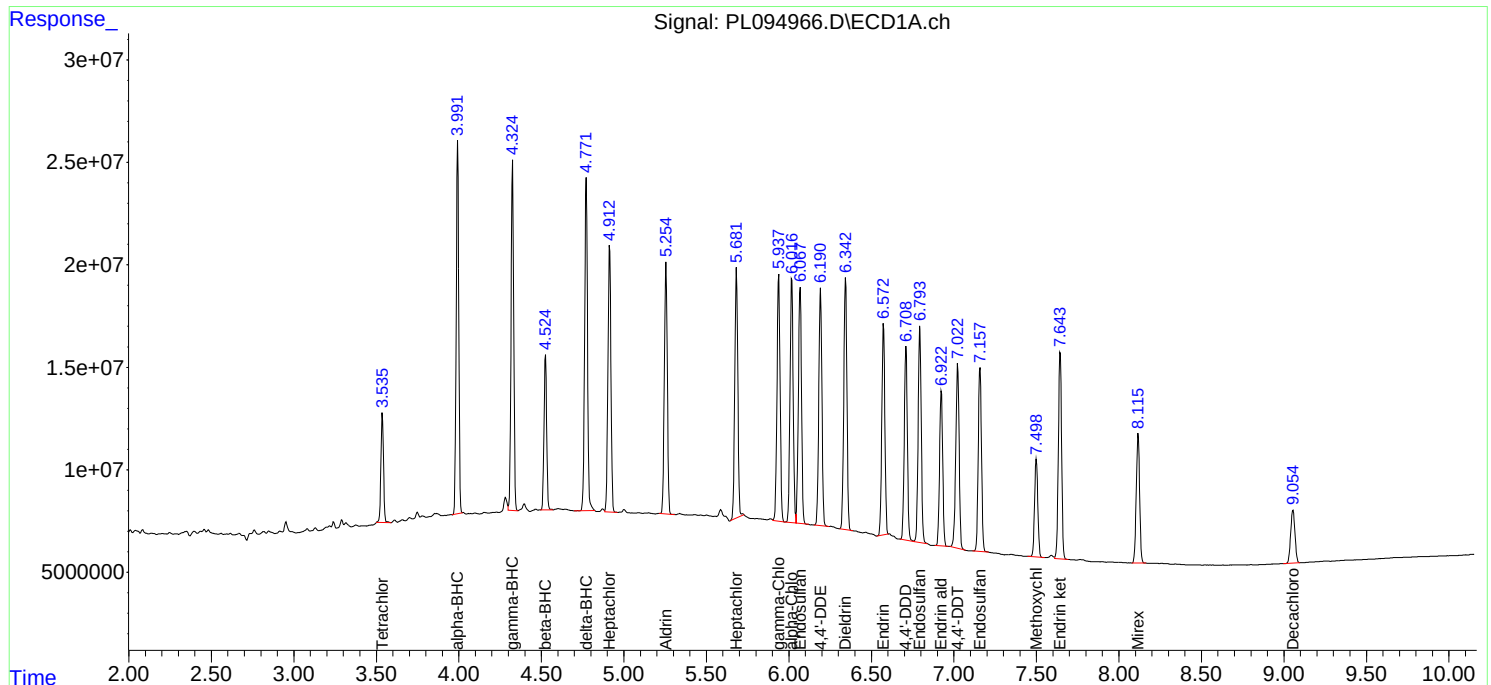
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

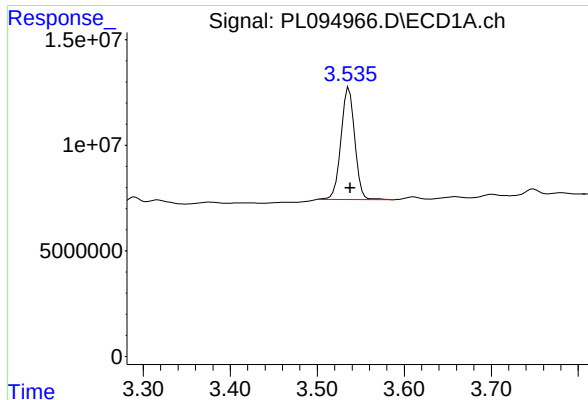
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 01 02:14:34 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





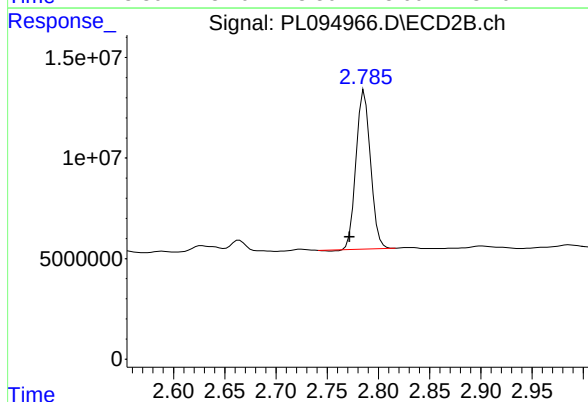
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 58636956
Conc: 20.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

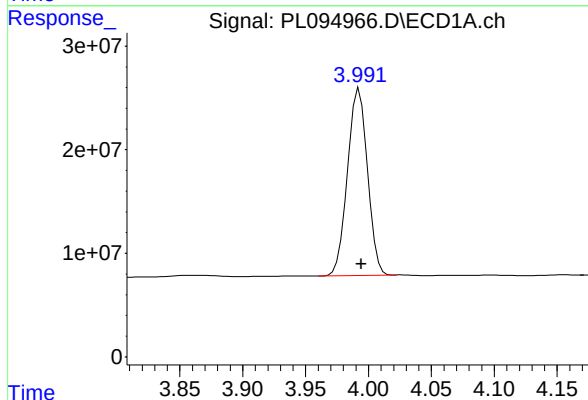
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



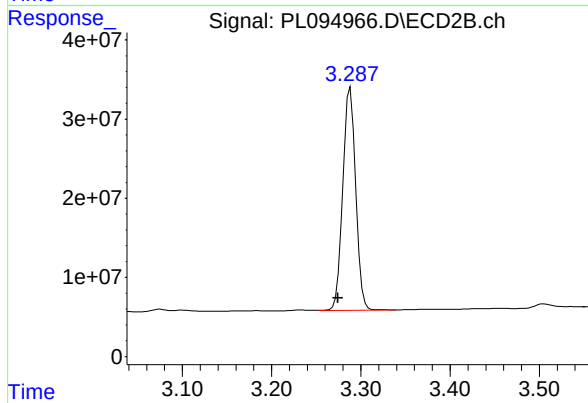
#1 Tetrachloro-m-xylene

R.T.: 2.786 min
Delta R.T.: 0.014 min
Response: 77442821
Conc: 21.70 ng/ml



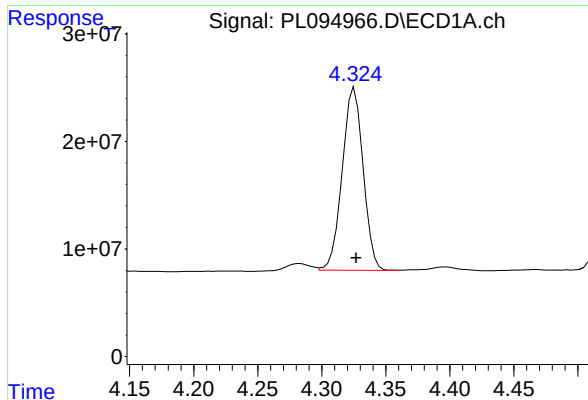
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 198727750
Conc: 47.86 ng/ml



#2 alpha-BHC

R.T.: 3.288 min
Delta R.T.: 0.014 min
Response: 282735683
Conc: 52.44 ng/ml



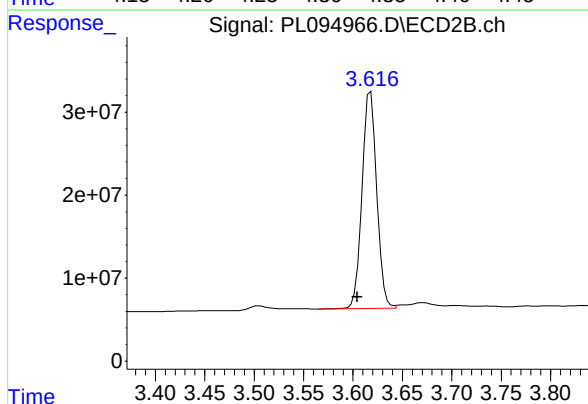
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 192891475
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

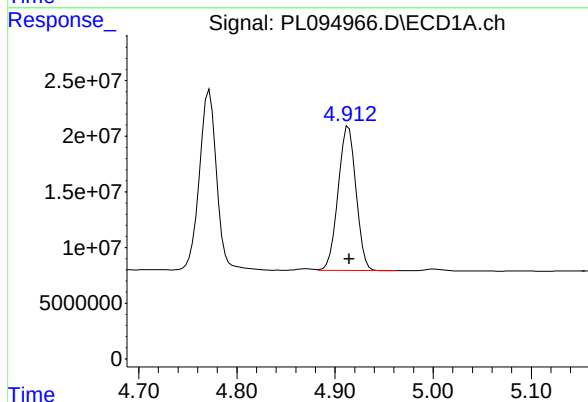
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



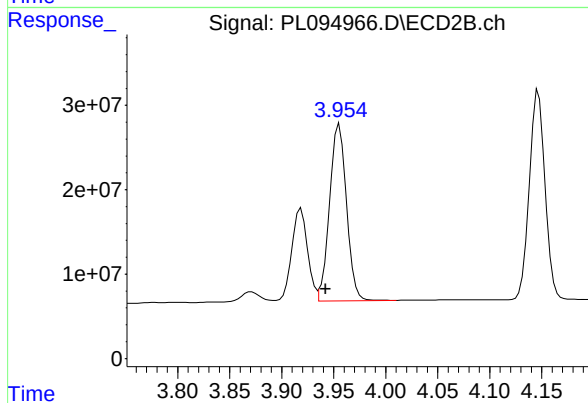
#3 gamma-BHC (Lindane)

R.T.: 3.618 min
Delta R.T.: 0.014 min
Response: 269897013
Conc: 52.51 ng/ml



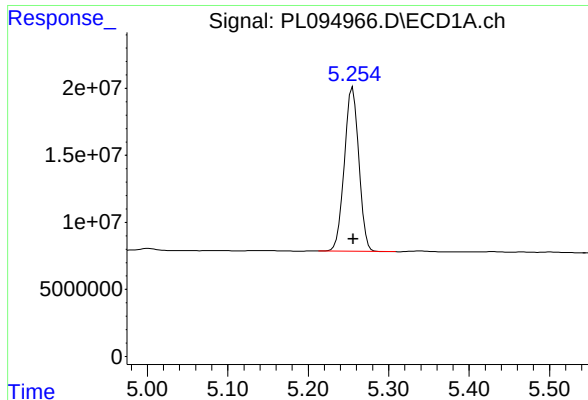
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 164657982
Conc: 42.42 ng/ml



#4 Heptachlor

R.T.: 3.955 min
Delta R.T.: 0.013 min
Response: 237573032
Conc: 45.09 ng/ml



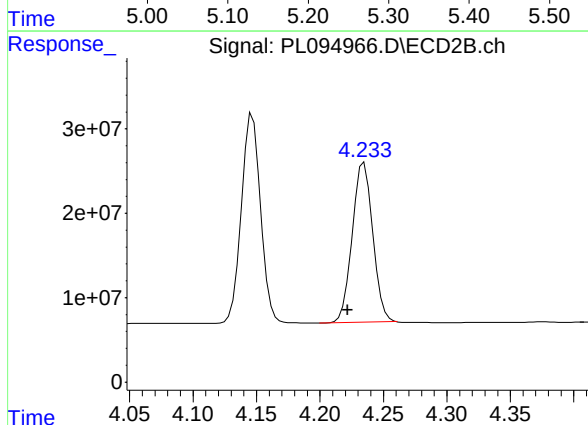
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 152510282
Conc: 41.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

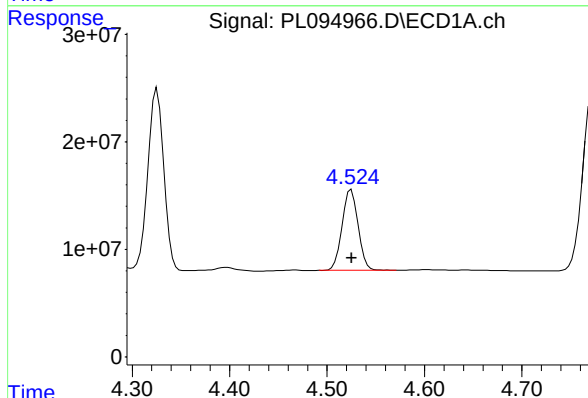
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



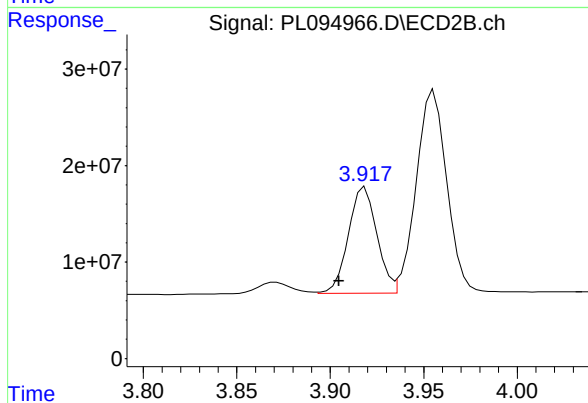
#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.013 min
Response: 212513297
Conc: 43.58 ng/ml



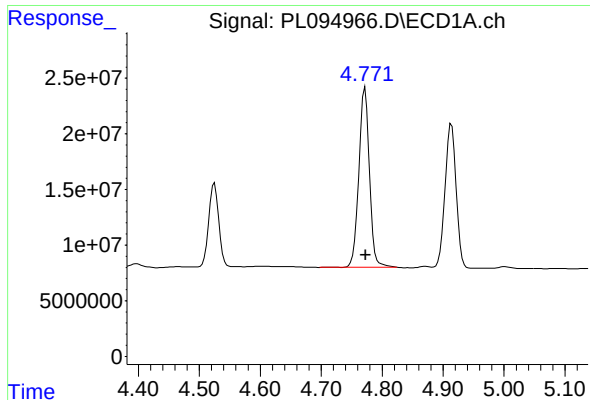
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 85845939
Conc: 46.52 ng/ml



#6 beta-BHC

R.T.: 3.919 min
Delta R.T.: 0.014 min
Response: 117066122
Conc: 52.70 ng/ml



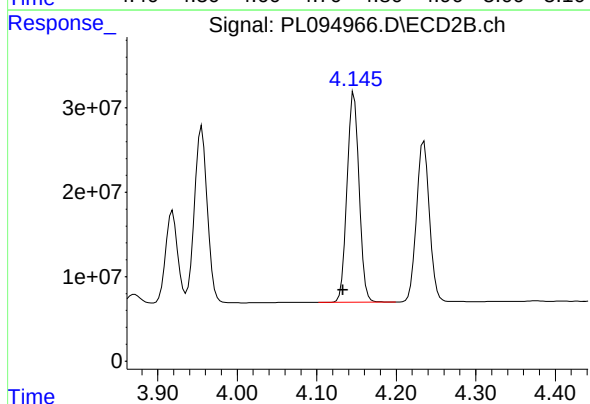
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 195582843
Conc: 50.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

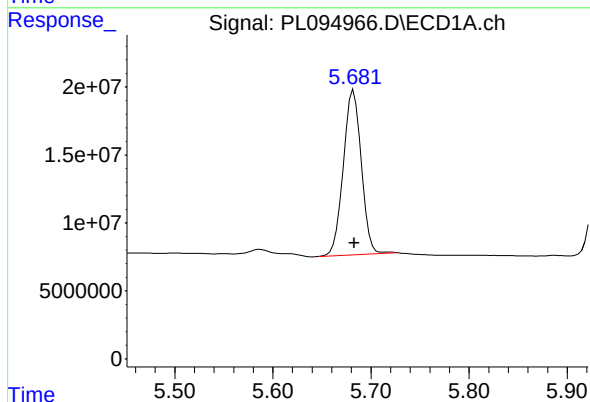
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



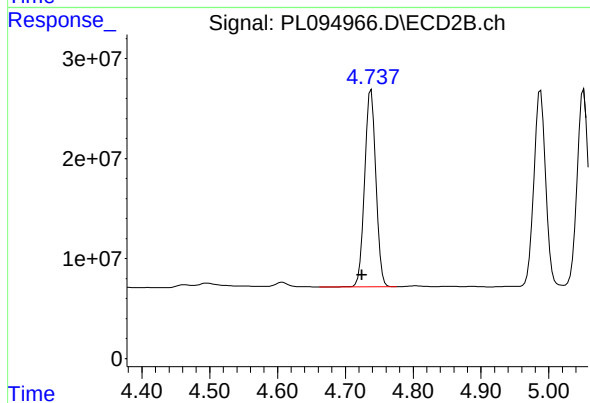
#7 delta-BHC

R.T.: 4.147 min
Delta R.T.: 0.014 min
Response: 260917107
Conc: 52.16 ng/ml



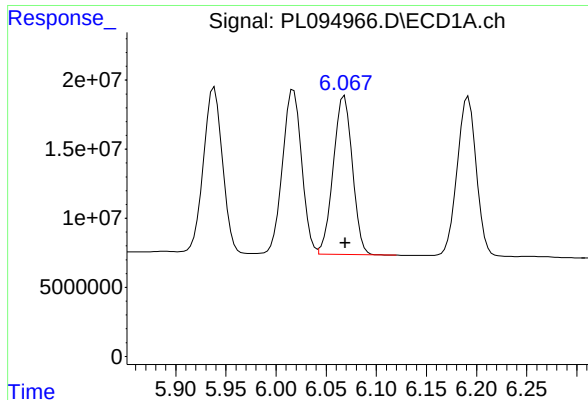
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 154931005
Conc: 46.31 ng/ml



#8 Heptachlor epoxide

R.T.: 4.738 min
Delta R.T.: 0.013 min
Response: 228414671
Conc: 49.89 ng/ml



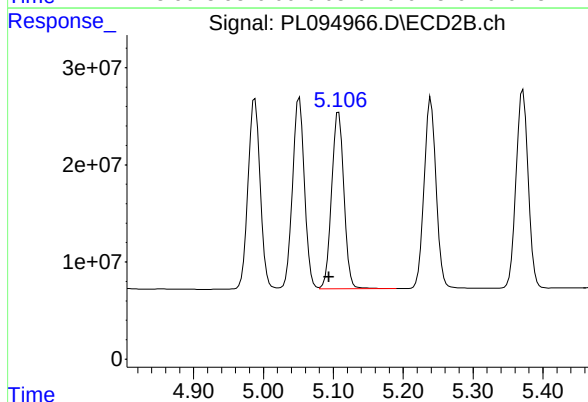
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 151709856
Conc: 49.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

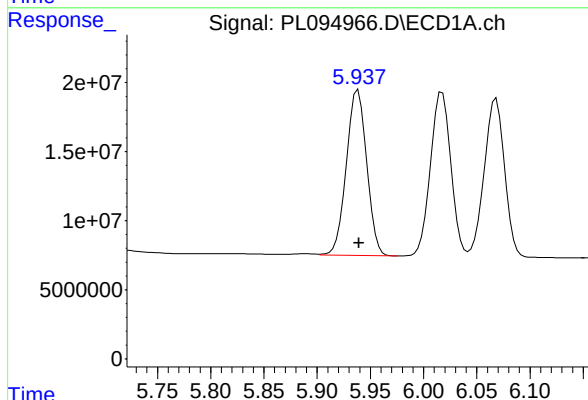
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



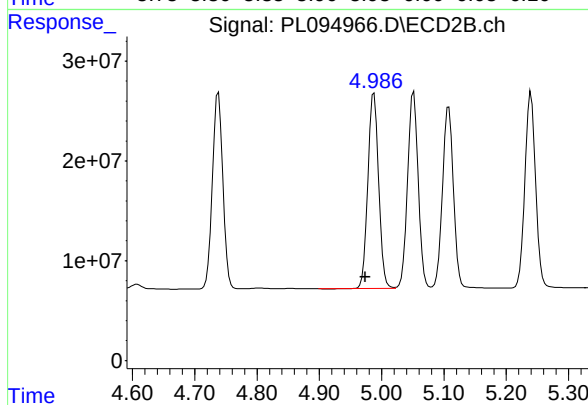
#9 Endosulfan I

R.T.: 5.108 min
Delta R.T.: 0.014 min
Response: 222442826
Conc: 50.68 ng/ml



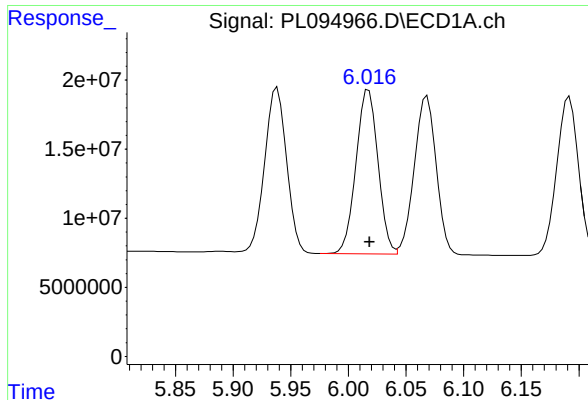
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 158744099
Conc: 47.11 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min
Delta R.T.: 0.014 min
Response: 235357994
Conc: 48.74 ng/ml



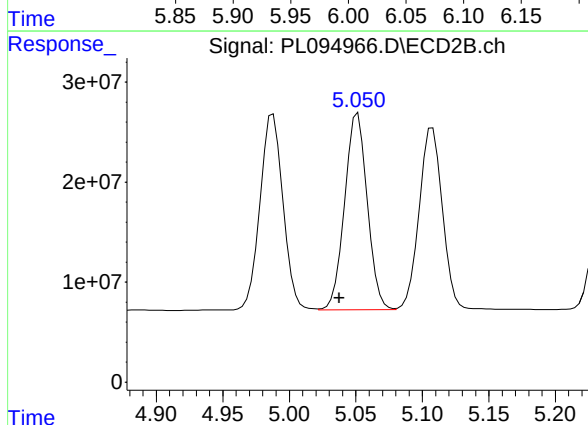
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157969507
Conc: 47.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

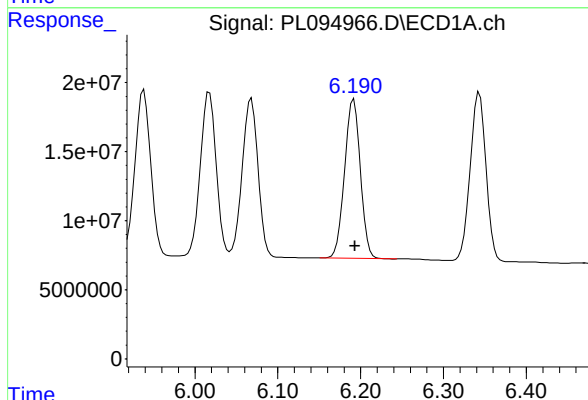
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



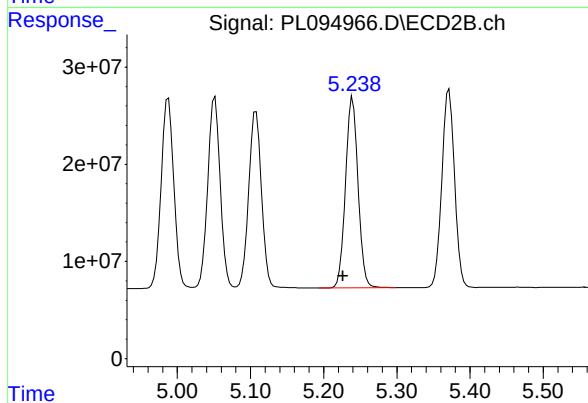
#11 alpha-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.014 min
Response: 233374575
Conc: 48.90 ng/ml



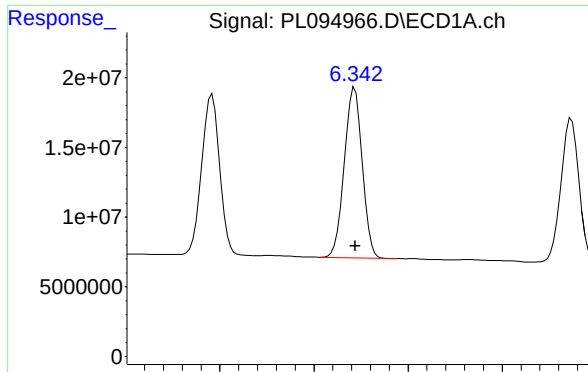
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 152628531
Conc: 51.88 ng/ml



#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: 0.013 min
Response: 233756363
Conc: 50.29 ng/ml



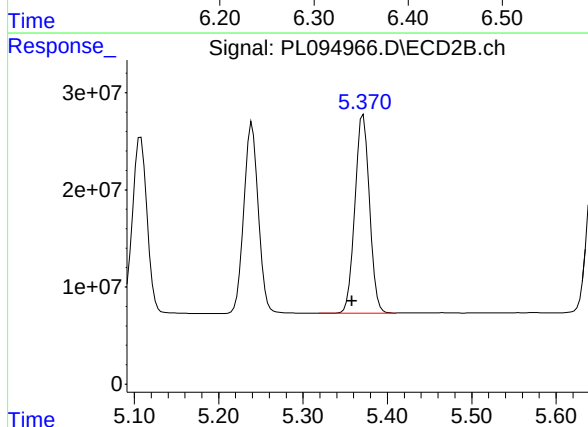
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 161840410
Conc: 50.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

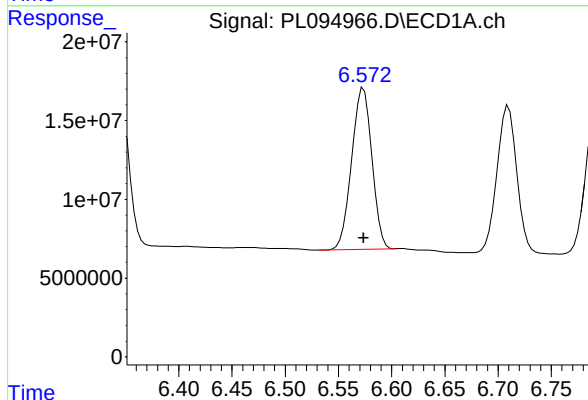
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



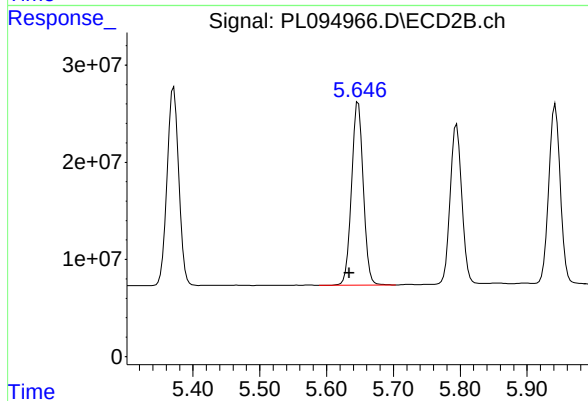
#13 Dieldrin

R.T.: 5.371 min
Delta R.T.: 0.013 min
Response: 246056948
Conc: 50.71 ng/ml



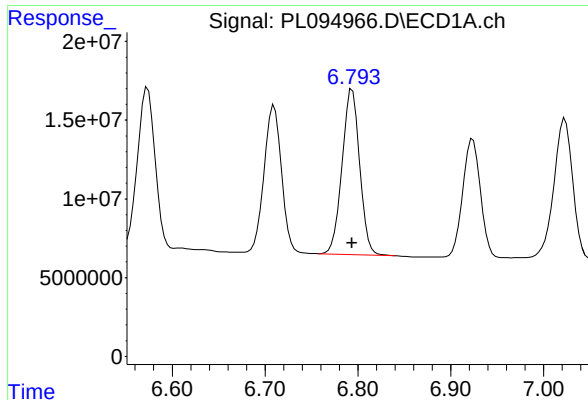
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 135249258
Conc: 48.79 ng/ml



#14 Endrin

R.T.: 5.647 min
Delta R.T.: 0.014 min
Response: 228649910
Conc: 52.40 ng/ml



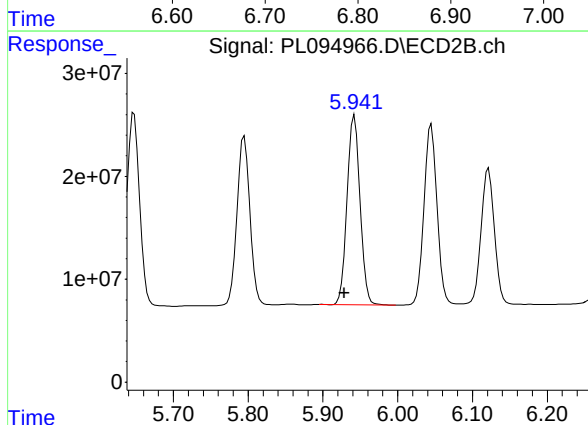
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 138758770
Conc: 51.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

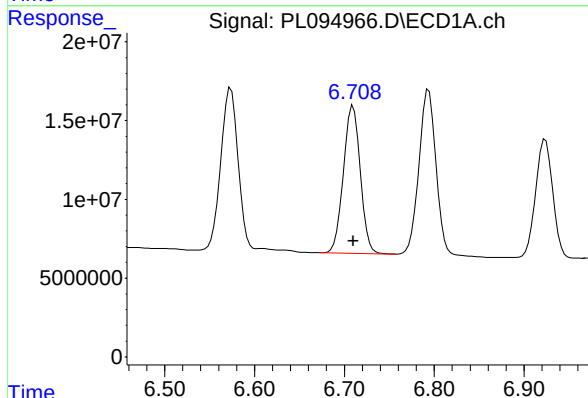
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



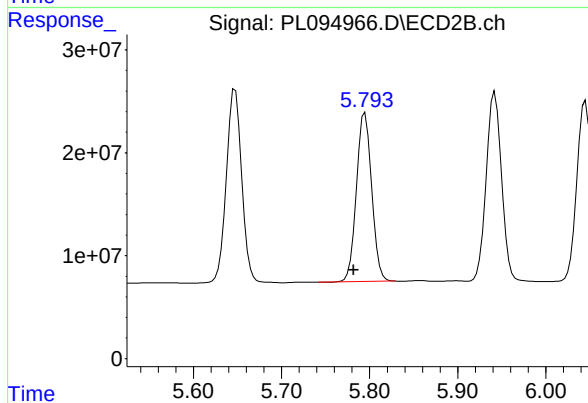
#15 Endosulfan II

R.T.: 5.942 min
Delta R.T.: 0.014 min
Response: 221970960
Conc: 51.28 ng/ml



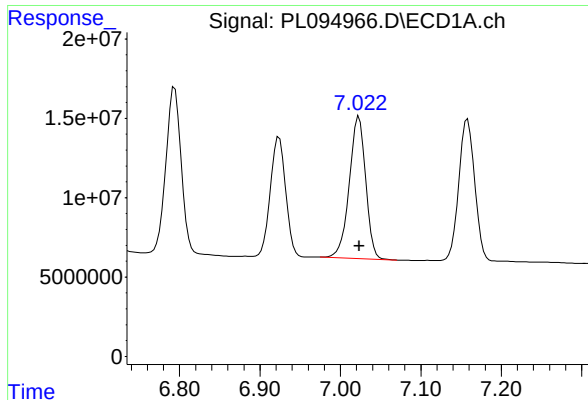
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 122660781
Conc: 56.63 ng/ml



#16 4,4'-DDD

R.T.: 5.795 min
Delta R.T.: 0.013 min
Response: 197678811
Conc: 54.97 ng/ml



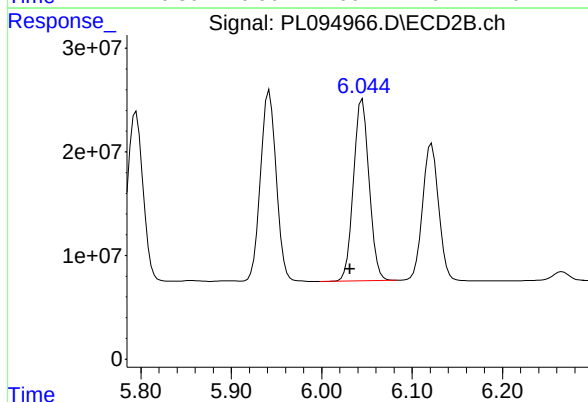
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 126621481
Conc: 53.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

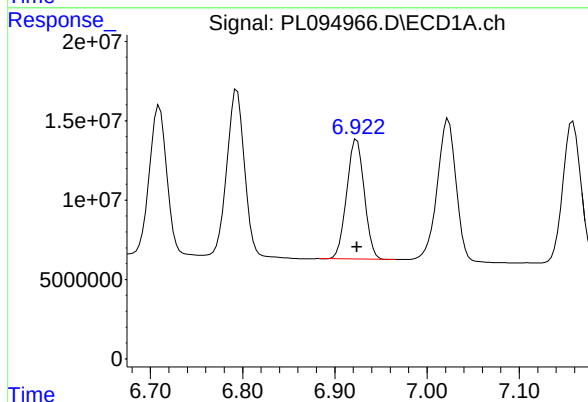
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



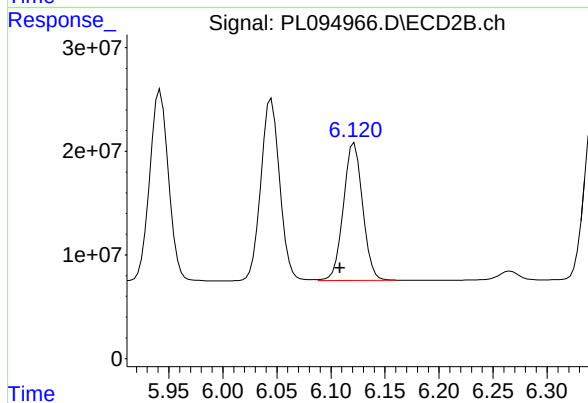
#17 4,4'-DDT

R.T.: 6.045 min
Delta R.T.: 0.013 min
Response: 211418562
Conc: 52.43 ng/ml



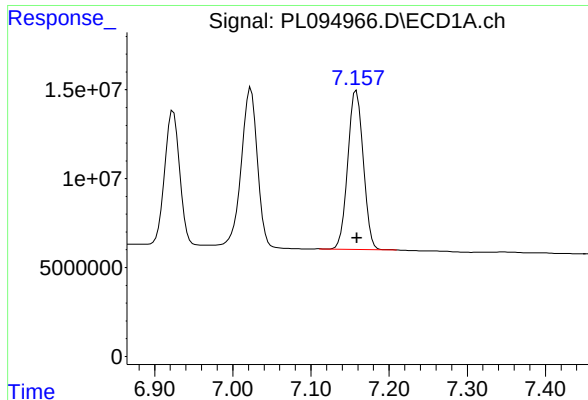
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 99689048
Conc: 47.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.120 min
Delta R.T.: 0.012 min
Response: 163963804
Conc: 48.72 ng/ml m



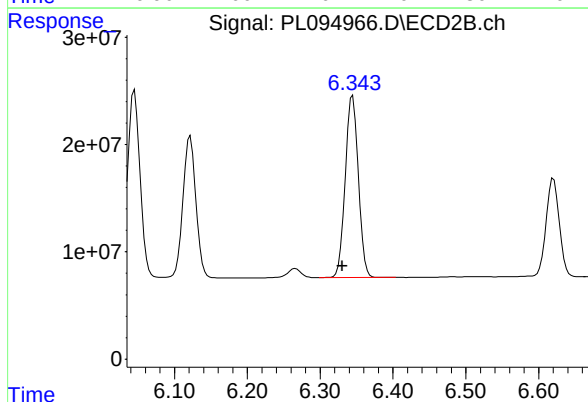
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 122812376
Conc: 50.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

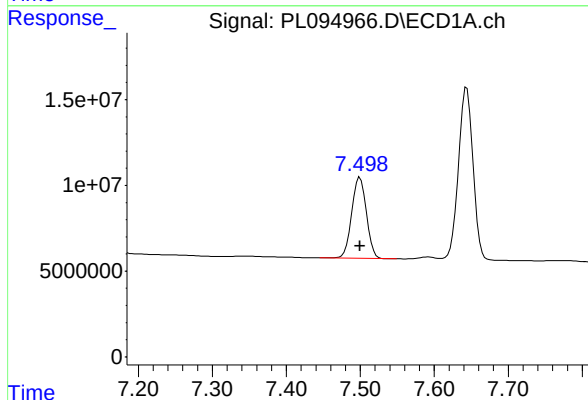
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



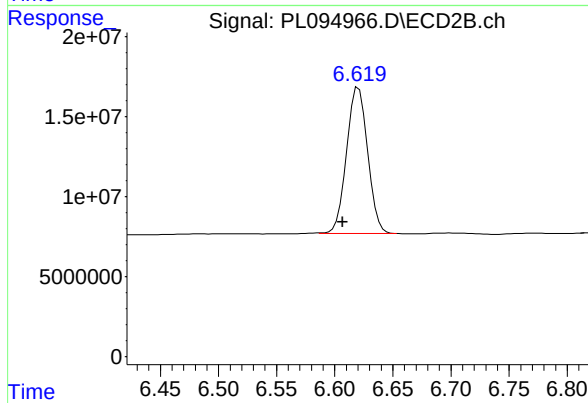
#19 Endosulfan Sulfate

R.T.: 6.345 min
Delta R.T.: 0.014 min
Response: 211873323
Conc: 52.01 ng/ml



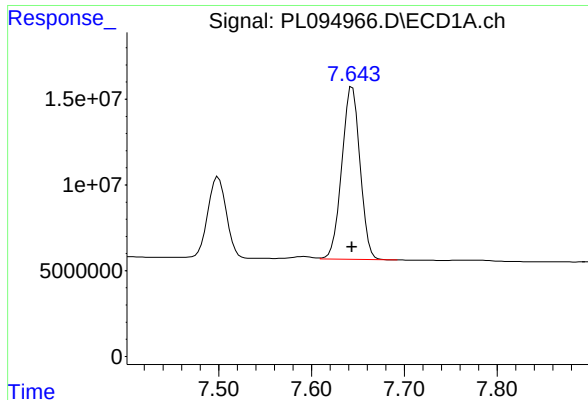
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 65058411
Conc: 54.35 ng/ml



#20 Methoxychlor

R.T.: 6.619 min
Delta R.T.: 0.012 min
Response: 115312140
Conc: 54.37 ng/ml m



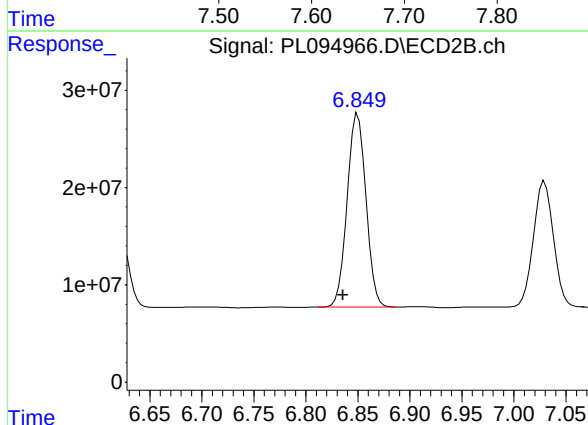
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 137418135
Conc: 51.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

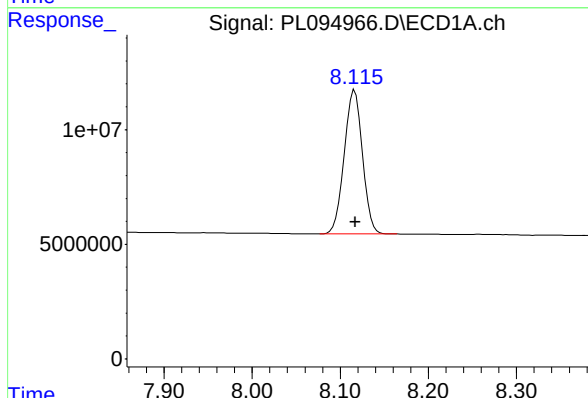
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



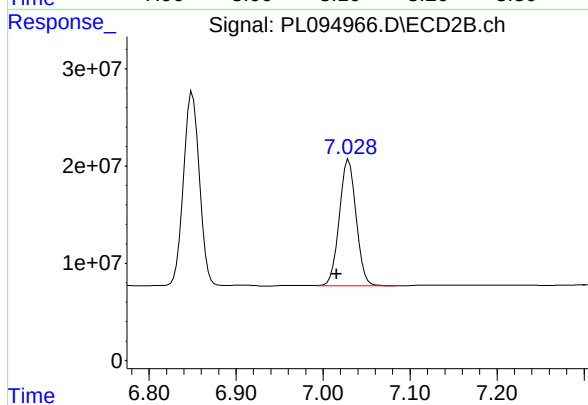
#21 Endrin ketone

R.T.: 6.849 min
Delta R.T.: 0.013 min
Response: 250210682
Conc: 52.43 ng/ml m



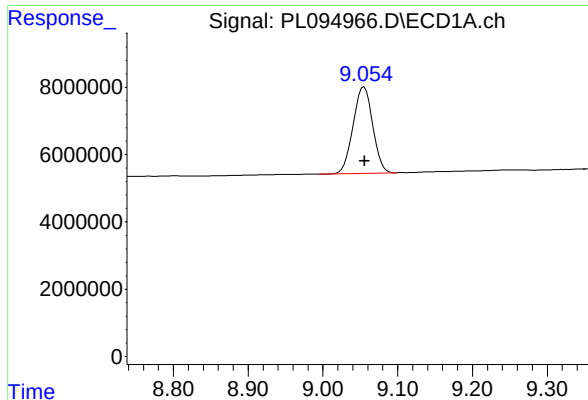
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 90494327
Conc: 43.80 ng/ml



#22 Mirex

R.T.: 7.028 min
Delta R.T.: 0.012 min
Response: 175322474
Conc: 46.19 ng/ml m



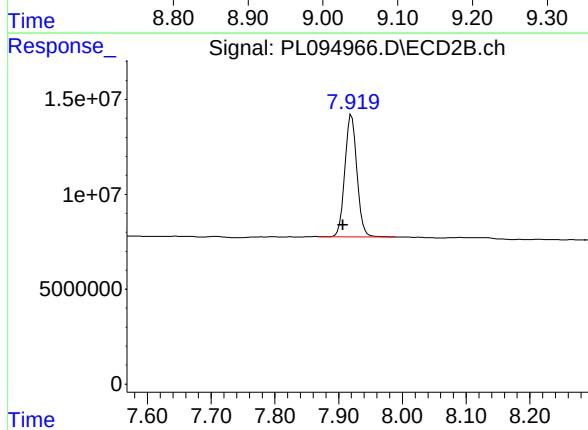
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 46694794
Conc: 22.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/01/2025
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.013 min
Response: 84456836
Conc: 20.91 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
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

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
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

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
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:	pl033125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094950.D	4,4"-DDD	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094950.D	4,4"-DDD #2	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094950.D	Endrin	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094950.D	Endrin aldehyde	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094950.D	Endrin ketone #2	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094950.D	Methoxychlor #2	Abdul	4/1/2025 4:03:22 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094951.D	Endrin ketone #2	Abdul	4/1/2025 4:03:25 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094951.D	Methoxychlor #2	Abdul	4/1/2025 4:03:25 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094951.D	Mirex #2	Abdul	4/1/2025 4:03:25 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094960.D	Endrin #2	Abdul	4/1/2025 4:03:50 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094960.D	Endrin ketone #2	Abdul	4/1/2025 4:03:50 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094960.D	gamma-Chlordane #2	Abdul	4/1/2025 4:03:50 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094960.D	Mirex #2	Abdul	4/1/2025 4:03:50 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software

Manual Integration Report

Sequence:	pl033125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1664-04	PL094964.D	Tetrachloro-m-xylene	Abdul	4/1/2025 11:54:09 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-05MS	PL094965.D	Endrin	Abdul	4/1/2025 11:54:31 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-05MS	PL094965.D	gamma-BHC (Lindane)	Abdul	4/1/2025 11:54:31 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-05MS	PL094965.D	Mirex #2	Abdul	4/1/2025 11:54:31 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-06MSD	PL094966.D	Endrin aldehyde #2	Abdul	4/1/2025 4:03:58 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-06MSD	PL094966.D	Endrin ketone #2	Abdul	4/1/2025 4:03:58 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-06MSD	PL094966.D	gamma-BHC (Lindane)	Abdul	4/1/2025 4:03:58 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-06MSD	PL094966.D	Methoxychlor #2	Abdul	4/1/2025 4:03:58 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-06MSD	PL094966.D	Mirex #2	Abdul	4/1/2025 4:03:58 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-08	PL094967.D	Decachlorobiphenyl	Abdul	4/1/2025 11:54:12 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-08	PL094967.D	Tetrachloro-m-xylene	Abdul	4/1/2025 11:54:12 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-08	PL094967.D	Tetrachloro-m-xylene #2	Abdul	4/1/2025 11:54:12 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-10	PL094968.D	Tetrachloro-m-xylene	Abdul	4/1/2025 11:54:20 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software

Manual Integration Report

Sequence:	pl033125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094970.D	4,4"-DDD	Abdul	4/1/2025 11:53:52 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094970.D	Endrin	Abdul	4/1/2025 11:53:52 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094970.D	Endrin aldehyde	Abdul	4/1/2025 11:53:52 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094970.D	Endrin ketone #2	Abdul	4/1/2025 11:53:52 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PEM	PL094970.D	Methoxychlor #2	Abdul	4/1/2025 11:53:52 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094971.D	Endrin ketone #2	Abdul	4/1/2025 4:04:01 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094971.D	gamma-BHC (Lindane) #2	Abdul	4/1/2025 4:04:01 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094971.D	Methoxychlor #2	Abdul	4/1/2025 4:04:01 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-12	PL094972.D	Tetrachloro-m-xylene	Abdul	4/1/2025 4:04:05 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-14	PL094973.D	alpha-BHC	Abdul	4/1/2025 11:53:56 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-14	PL094973.D	alpha-BHC #2	Abdul	4/1/2025 11:53:56 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-14	PL094973.D	Decachlorobiphenyl	Abdul	4/1/2025 11:53:56 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-14	PL094973.D	Tetrachloro-m-xylene	Abdul	4/1/2025 11:53:56 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software

Manual Integration Report

Sequence:	pl033125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1664-16	PL094974.D	Tetrachloro-m-xylene	Abdul	4/1/2025 4:04:10 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-16	PL094974.D	Tetrachloro-m-xylene #2	Abdul	4/1/2025 4:04:10 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-18	PL094975.D	Tetrachloro-m-xylene	Abdul	4/1/2025 4:02:55 PM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
Q1664-20	PL094976.D	Tetrachloro-m-xylene #2	Abdul	4/1/2025 11:53:58 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	4,4"-DDE #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Dieldrin #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Endrin	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Endrin #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Endrin ketone #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	gamma-BHC (Lindane)	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Heptachlor epoxide #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software
PSTDCCC050	PL094979.D	Mirex #2	Abdul	4/1/2025 11:53:40 AM	mohammad	4/7/2025 2:14:22	Peak Integrated by Software

Manual Integration Report

Sequence:	pl033125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	pl040325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095028.D	4,4"-DDD	Abdul	4/4/2025 12:55:58 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PEM	PL095028.D	4,4"-DDD #2	Abdul	4/4/2025 12:55:58 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PEM	PL095028.D	Endrin aldehyde	Abdul	4/4/2025 12:55:58 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PEM	PL095028.D	Endrin ketone #2	Abdul	4/4/2025 12:55:58 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095029.D	4,4"-DDE #2	Abdul	4/4/2025 12:56:01 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095029.D	Dieldrin #2	Abdul	4/4/2025 12:56:01 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095029.D	Endrin	Abdul	4/4/2025 12:56:01 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095029.D	Endrin ketone #2	Abdul	4/4/2025 12:56:01 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PB167395BS	PL095030.D	4,4"-DDE #2	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PB167395BS	PL095030.D	Dieldrin #2	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PB167395BS	PL095030.D	Endrin	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PB167395BS	PL095030.D	Endrin #2	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PB167395BS	PL095030.D	Endrin ketone #2	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software

Manual Integration Report

Sequence:	pl040325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167395BS	PL095030.D	Mirex #2	Abdul	4/4/2025 12:56:06 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095041.D	Endrin #2	Abdul	4/4/2025 12:56:31 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095041.D	gamma-BHC (Lindane) #2	Abdul	4/4/2025 12:56:31 PM	mohammad	4/5/2025 3:49:16	Peak Integrated by Software
PSTDCCC050	PL095041.D	Mirex #2	Abdul	4/4/2025 12:56:31 PM	mohammad	4/5/2025 3:49:16	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,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	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,PP24283,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,PP24283,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 # PL033125

Review By	Abdul	Review On	4/1/2025 4:55:23 PM
Supervise By	mohammad	Supervise On	4/7/2025 2:14:22 AM
SubDirectory	PL033125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094948.D	31 Mar 2025 09:15	AR\AJ	Ok
2	I.BLK	PL094949.D	31 Mar 2025 09:29	AR\AJ	Ok
3	PEM	PL094950.D	31 Mar 2025 09:43	AR\AJ	Ok,M
4	PSTDCCC050	PL094951.D	31 Mar 2025 09:56	AR\AJ	Ok,M
5	PB167379BL	PL094952.D	31 Mar 2025 12:41	AR\AJ	Ok
6	PB167379BS	PL094953.D	31 Mar 2025 12:55	AR\AJ	Ok,M
7	Q1672-01	PL094954.D	31 Mar 2025 13:22	AR\AJ	Ok
8	Q1674-01	PL094955.D	31 Mar 2025 13:36	AR\AJ	Ok,M
9	Q1674-01MS	PL094956.D	31 Mar 2025 13:49	AR\AJ	Ok,M
10	Q1674-01MSD	PL094957.D	31 Mar 2025 14:03	AR\AJ	Ok,M
11	Q1674-03	PL094958.D	31 Mar 2025 14:17	AR\AJ	Ok,M
12	I.BLK	PL094959.D	31 Mar 2025 14:30	AR\AJ	Ok
13	PSTDCCC050	PL094960.D	31 Mar 2025 14:44	AR\AJ	Ok,M
14	PB167395BL	PL094961.D	31 Mar 2025 17:57	AR\AJ	Ok
15	PB167395BS	PL094962.D	31 Mar 2025 18:10	AR\AJ	Not Ok
16	PB167395TB	PL094963.D	31 Mar 2025 18:24	AR\AJ	Ok
17	Q1664-04	PL094964.D	31 Mar 2025 18:37	AR\AJ	Ok,M
18	Q1664-05MS	PL094965.D	31 Mar 2025 18:51	AR\AJ	Ok,M
19	Q1664-06MSD	PL094966.D	31 Mar 2025 19:05	AR\AJ	Ok,M
20	Q1664-08	PL094967.D	31 Mar 2025 19:18	AR\AJ	Ok,M
21	Q1664-10	PL094968.D	31 Mar 2025 19:32	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL033125

Review By	Abdul	Review On	4/1/2025 4:55:23 PM
Supervise By	mohammad	Supervise On	4/7/2025 2:14:22 AM
SubDirectory	PL033125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	I.BLK	PL094969.D	31 Mar 2025 19:45	AR\AJ	Ok
23	PEM	PL094970.D	31 Mar 2025 19:59	AR\AJ	Ok,M
24	PSTDCCC050	PL094971.D	31 Mar 2025 20:13	AR\AJ	Ok,M
25	Q1664-12	PL094972.D	31 Mar 2025 20:40	AR\AJ	Ok,M
26	Q1664-14	PL094973.D	31 Mar 2025 20:54	AR\AJ	Ok,M
27	Q1664-16	PL094974.D	31 Mar 2025 21:07	AR\AJ	Ok,M
28	Q1664-18	PL094975.D	31 Mar 2025 21:21	AR\AJ	Ok,M
29	Q1664-20	PL094976.D	31 Mar 2025 21:35	AR\AJ	Ok,M
30	Q1664-22	PL094977.D	31 Mar 2025 21:48	AR\AJ	Ok
31	I.BLK	PL094978.D	31 Mar 2025 22:02	AR\AJ	Ok
32	PSTDCCC050	PL094979.D	31 Mar 2025 22:16	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040325

Review By	Abdul	Review On	4/4/2025 12:57:06 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:49:16 AM
SubDirectory	PL040325	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095026.D	03 Apr 2025 10:17	AR\AJ	Ok
2	I.BLK	PL095027.D	03 Apr 2025 10:31	AR\AJ	Ok
3	PEM	PL095028.D	03 Apr 2025 10:44	AR\AJ	Ok,M
4	PSTDCCC050	PL095029.D	03 Apr 2025 10:58	AR\AJ	Ok,M
5	PB167395BS	PL095030.D	03 Apr 2025 11:56	AR\AJ	Ok,M
6	PB167435BL	PL095031.D	03 Apr 2025 12:15	AR\AJ	Ok
7	PB167435BS	PL095032.D	03 Apr 2025 13:07	AR\AJ	Ok,M
8	Q1694-01	PL095033.D	03 Apr 2025 13:22	AR\AJ	Ok
9	Q1694-01MS	PL095034.D	03 Apr 2025 13:35	AR\AJ	Ok,M
10	Q1694-01MSD	PL095035.D	03 Apr 2025 13:49	AR\AJ	Ok,M
11	Q1695-01	PL095036.D	03 Apr 2025 14:03	AR\AJ	Ok,M
12	Q1695-05	PL095037.D	03 Apr 2025 14:16	AR\AJ	Ok,M
13	Q1706-01	PL095038.D	03 Apr 2025 14:30	AR\AJ	Ok,M
14	Q1706-03	PL095039.D	03 Apr 2025 14:44	AR\AJ	Ok,M
15	I.BLK	PL095040.D	03 Apr 2025 14:57	AR\AJ	Ok
16	PSTDCCC050	PL095041.D	03 Apr 2025 18:28	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,PP24283,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	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,PP24283,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,PP24283,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 # PL033125

Review By	Abdul	Review On	4/1/2025 4:55:23 PM
Supervise By	mohammad	Supervise On	4/7/2025 2:14:22 AM
SubDirectory	PL033125	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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,PP24283,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	PL094948.D	31 Mar 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL094949.D	31 Mar 2025 09:29		AR\AJ	Ok
3	PEM	PEM	PL094950.D	31 Mar 2025 09:43		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094951.D	31 Mar 2025 09:56		AR\AJ	Ok,M
5	PB167379BL	PB167379BL	PL094952.D	31 Mar 2025 12:41		AR\AJ	Ok
6	PB167379BS	PB167379BS	PL094953.D	31 Mar 2025 12:55		AR\AJ	Ok,M
7	Q1672-01	TP-8	PL094954.D	31 Mar 2025 13:22		AR\AJ	Ok
8	Q1674-01	RT5358	PL094955.D	31 Mar 2025 13:36		AR\AJ	Ok,M
9	Q1674-01MS	RT5358MS	PL094956.D	31 Mar 2025 13:49		AR\AJ	Ok,M
10	Q1674-01MSD	RT5358MSD	PL094957.D	31 Mar 2025 14:03		AR\AJ	Ok,M
11	Q1674-03	72-11991	PL094958.D	31 Mar 2025 14:17		AR\AJ	Ok,M
12	I.BLK	I.BLK	PL094959.D	31 Mar 2025 14:30		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL094960.D	31 Mar 2025 14:44		AR\AJ	Ok,M
14	PB167395BL	PB167395BL	PL094961.D	31 Mar 2025 17:57		AR\AJ	Ok
15	PB167395BS	PB167395BS	PL094962.D	31 Mar 2025 18:10	Comp#16 , 20 recovery high	AR\AJ	Not Ok
16	PB167395TB	PB167395TB	PL094963.D	31 Mar 2025 18:24		AR\AJ	Ok
17	Q1664-04	P001-BBDGA-001-01	PL094964.D	31 Mar 2025 18:37		AR\AJ	Ok,M
18	Q1664-05MS	P001-BBDGA-001-01M	PL094965.D	31 Mar 2025 18:51		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL033125

Review By	Abdul	Review On	4/1/2025 4:55:23 PM
Supervise By	mohammad	Supervise On	4/7/2025 2:14:22 AM
SubDirectory	PL033125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,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,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1664-06MSD	P001-BBDGA-001-01M	PL094966.D	31 Mar 2025 19:05		AR\AJ	Ok,M
20	Q1664-08	P001-BBDGA-001-02	PL094967.D	31 Mar 2025 19:18		AR\AJ	Ok,M
21	Q1664-10	P001-BBDGA-002-01	PL094968.D	31 Mar 2025 19:32		AR\AJ	Ok,M
22	I.BLK	I.BLK	PL094969.D	31 Mar 2025 19:45		AR\AJ	Ok
23	PEM	PEM	PL094970.D	31 Mar 2025 19:59		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PL094971.D	31 Mar 2025 20:13		AR\AJ	Ok,M
25	Q1664-12	P001-BBDGA-003-01	PL094972.D	31 Mar 2025 20:40		AR\AJ	Ok,M
26	Q1664-14	P001-BBDGA-004-01	PL094973.D	31 Mar 2025 20:54		AR\AJ	Ok,M
27	Q1664-16	P001-BBDGA-005-01	PL094974.D	31 Mar 2025 21:07		AR\AJ	Ok,M
28	Q1664-18	P001-BBDGA-006-01	PL094975.D	31 Mar 2025 21:21		AR\AJ	Ok,M
29	Q1664-20	P001-BBDGA-007-01	PL094976.D	31 Mar 2025 21:35		AR\AJ	Ok,M
30	Q1664-22	P001-BBDGA-008-01	PL094977.D	31 Mar 2025 21:48		AR\AJ	Ok
31	I.BLK	I.BLK	PL094978.D	31 Mar 2025 22:02		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL094979.D	31 Mar 2025 22:16		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL040325

Review By	Abdul	Review On	4/4/2025 12:57:06 PM
Supervise By	mohammad	Supervise On	4/5/2025 3:49:16 AM
SubDirectory	PL040325	HP Acquire Method	HP Processing Method p031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,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,PP24283,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	PL095026.D	03 Apr 2025 10:17		AR\AJ	Ok
2	I.BLK	I.BLK	PL095027.D	03 Apr 2025 10:31		AR\AJ	Ok
3	PEM	PEM	PL095028.D	03 Apr 2025 10:44		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095029.D	03 Apr 2025 10:58		AR\AJ	Ok,M
5	PB167395BS	PB167395BS	PL095030.D	03 Apr 2025 11:56		AR\AJ	Ok,M
6	PB167435BL	PB167435BL	PL095031.D	03 Apr 2025 12:15		AR\AJ	Ok
7	PB167435BS	PB167435BS	PL095032.D	03 Apr 2025 13:07		AR\AJ	Ok,M
8	Q1694-01	TP-18	PL095033.D	03 Apr 2025 13:22		AR\AJ	Ok
9	Q1694-01MS	TP-18MS	PL095034.D	03 Apr 2025 13:35		AR\AJ	Ok,M
10	Q1694-01MSD	TP-18MSD	PL095035.D	03 Apr 2025 13:49		AR\AJ	Ok,M
11	Q1695-01	TT-2	PL095036.D	03 Apr 2025 14:03		AR\AJ	Ok,M
12	Q1695-05	TT-3	PL095037.D	03 Apr 2025 14:16		AR\AJ	Ok,M
13	Q1706-01	PL-01-040225	PL095038.D	03 Apr 2025 14:30		AR\AJ	Ok,M
14	Q1706-03	PL-02-040225	PL095039.D	03 Apr 2025 14:44		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL095040.D	03 Apr 2025 14:57		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL095041.D	03 Apr 2025 18:28		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-2

TCLP Filter ID : 115525

Start Prep Date : 03/28/2025 Time : 15:20

End Prep Date : 03/29/2025 Time : 09:50

Combination Ratio : 20

ZHE Cleaning Batch : ⁷⁸N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : ⁷⁸

Supervisor By : ¹²

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP110806
N/A	N/A	N/A
HNO3-TCLP, 1N	N/A	WP110804
pH Strips	W3172.	W1931, W1934, W3171, W3172
pH Strips	W1941, W1942	W3166, W1938, W1939, W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked, 30 rpm. Particle size reduction is not required. Matrix spikes are added after filtration and before preservation.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25 10:30	⁷⁸ / TCLP Room	¹⁵ / Ext
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167372TB	LEB372	N/A	N/A	N/A	N/A	N/A	N/A
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	100	N/A
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	100	N/A
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	100	N/A
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	100	N/A
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167372TB	LEB372	N/A	N/A	N/A	N/A	#1	4.24
Q1664-04	P001-BBDGA-001-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-05	Q1664-04MS	N/A	N/A	N/A	N/A	#1	4.24
Q1664-06	Q1664-04MSD	N/A	N/A	N/A	N/A	#1	4.24
Q1664-08	P001-BBDGA-001-02	N/A	N/A	N/A	N/A	#1	4.24
Q1664-10	P001-BBDGA-002-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-12	P001-BBDGA-003-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-14	P001-BBDGA-004-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-16	P001-BBDGA-005-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-18	P001-BBDGA-006-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-20	P001-BBDGA-007-01	N/A	N/A	N/A	N/A	#1	4.24
Q1664-22	P001-BBDGA-008-01	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SPLP Q1664

WorkList ID : 188612

Department : TCLP Extraction

Date : 03-28-2025 12:15:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-04	P001-BBDGA-001-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-05	Q1664-04MS	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-06	Q1664-04MSD	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-08	P001-BBDGA-001-02	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-10	P001-BBDGA-002-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-12	P001-BBDGA-003-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-14	P001-BBDGA-004-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-16	P001-BBDGA-005-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-18	P001-BBDGA-006-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-20	P001-BBDGA-007-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312
Q1664-22	P001-BBDGA-008-01	Solid	SPLP Extraction	Cool 4 deg C	ROYF02	I31	03/26/2025	1312

Date/Time

03/28/25 12:40

Raw Sample Received by:

rd Goej

Raw Sample Relinquished by:

rd Goej

Date/Time

03/28/25

15:30

Raw Sample Received by:

rd Goej

Raw Sample Relinquished by:

rd Goej

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: Florisil

Matrix : Water

Welgh By: EH **Extraction By:** RJ

Balance check: N/A **Filter By:** RJ

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7

Extraction Start Date : 03/31/2025

Extraction Start Time : 12:10

Extraction End Date : 03/31/2025

Extraction End Time : 16:55

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24217
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	EP2592
Baked Na2SO4	N/A	EP2597
Hexane	N/A	E3914
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/31/25	RP (Ext. Lab)	Y P Pest 143
17:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 03/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167395BL	PBLK395	SPLP Pesticide	1000	6	ritesh	rajesh	10			SEP-01
PB167395BS	PLCS395	SPLP Pesticide	1000	6	ritesh	rajesh	10			2
PB167395TB	PB167395TB	SPLP Pesticide	1000	6	ritesh	rajesh	10			3
Q1664-04	P001-BBDGA-001-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		4
Q1664-05	Q1664-04MS	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		5
Q1664-06	Q1664-04MSD	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		6
Q1664-08	P001-BBDGA-001-02	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		7
Q1664-10	P001-BBDGA-002-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		8
Q1664-12	P001-BBDGA-003-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		9
Q1664-14	P001-BBDGA-004-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		10
Q1664-16	P001-BBDGA-005-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		11
Q1664-18	P001-BBDGA-006-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		12
Q1664-20	P001-BBDGA-007-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		13
Q1664-22	P001-BBDGA-008-01	SPLP Pesticide	1000	6	ritesh	rajesh	10	A		14

* Extracts relinquished on the same date as received.

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167372TB	LEB372	20	N/A	2000	N/A	N/A	N/A	4.24	1.5	T-2
Q1664-04	P001-BBDGA-001-01	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-05	Q1664-04MS	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-06	Q1664-04MSD	11	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1664-08	P001-BBDGA-001-02	12	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-10	P001-BBDGA-002-01	13	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-12	P001-BBDGA-003-01	14	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1664-14	P001-BBDGA-004-01	15	100.02	2000	N/A	N/A	N/A	7.6	1.5	T-2
Q1664-16	P001-BBDGA-005-01	16	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-18	P001-BBDGA-006-01	17	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-2
Q1664-20	P001-BBDGA-007-01	18	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1664-22	P001-BBDGA-008-01	19	100.04	2000	N/A	N/A	N/A	7.6	1.0	T-2

03/31/25
10:30

Prep Standard - Chemical Standard Summary

Order ID : Q1664

Test : SPLP Pesticide

Prepbatch ID : PB167395,

Sequence ID/Qc Batch ID: pl033125,pl040325,

Standard ID :

EP2592,EP2597,PP24095,PP24217,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,

Chemical ID :

E3551,E3806,E3847,E3876,E3877,E3914,P12603,P12611,P13037,P13040,P13195,P13245,P13354,P13356,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	EP2592	02/27/2025	08/12/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/27/2025

FROM 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2597	03/28/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	Evelyn Huang 03/28/2025

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>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24217	03/05/2025	08/25/2025	Abdul Mirza	None	None	Yogesh Patel
								03/06/2025

FROM 1.00000ml of P13354 + 999.00000ml of E3876 = Final Quantity: 1000.000 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	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

<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

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	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.20000ml of P9052 + 9.80000ml 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

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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	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 PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 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>
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

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>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml 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

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = 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>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml								

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

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 #
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-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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 / Rajesh	02/12/2025 / Rajesh	E3876

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

CHEMICAL RECEIPT LOG BOOK

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

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	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	09/05/2025	03/05/2025 / Abdul	04/22/2024 / Abdul	P13354

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	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



CAT# FS0006

Agela Technologies

Made in China

E 3806



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H 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 12/13/24

E3847

J. Croak

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

 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.

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 RS on 3/14/25



E3914

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.

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:

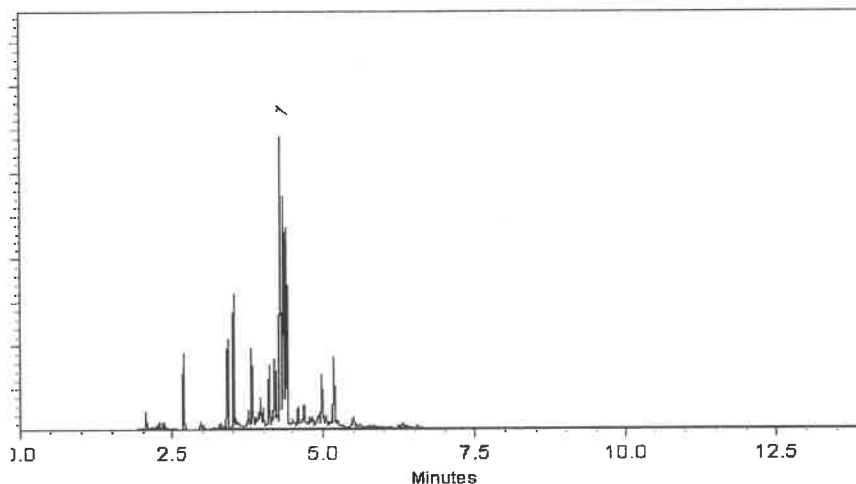
ECD

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
P 12611
↓
P 12615 } (5) *Fin*

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%

P 13039
 ↓
 P 13043
 5
 1
 JAW
 12/26/23

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.)

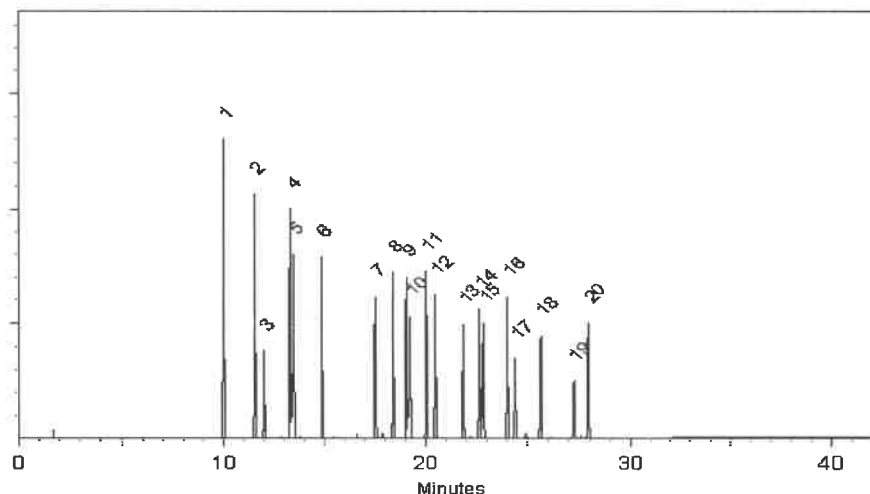
Inj. Temp:
 200°C

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.

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**

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

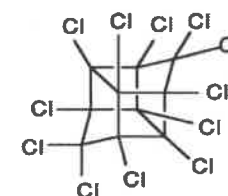
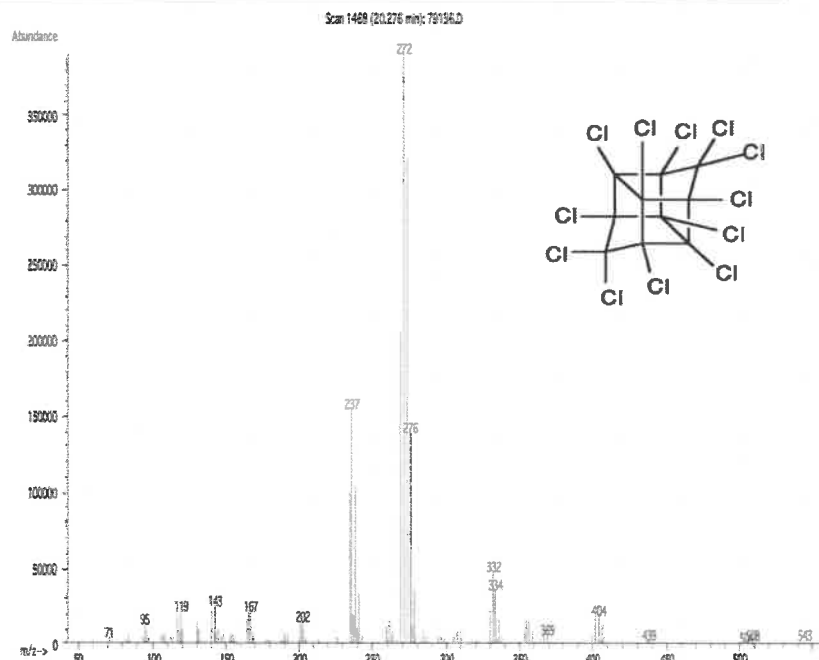
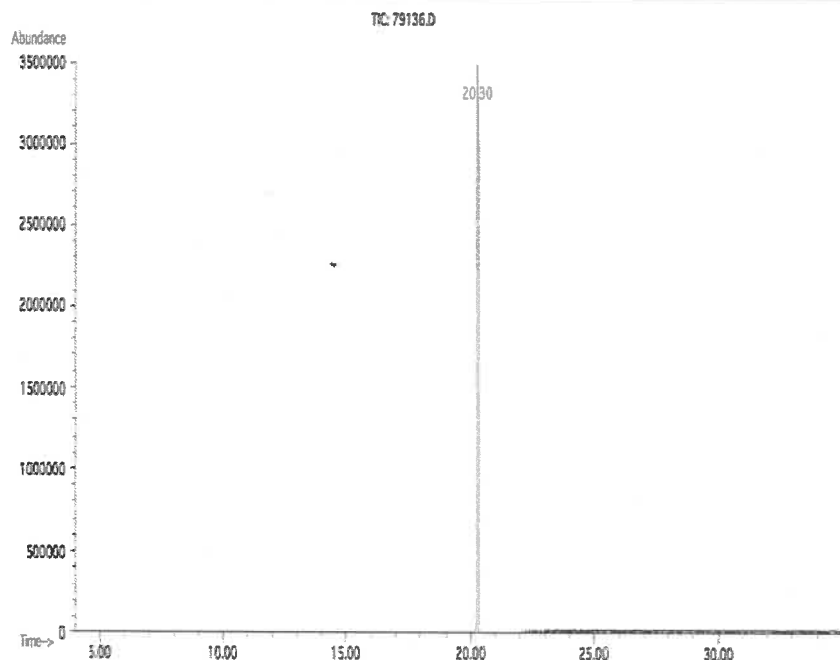
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

SDS Information
(Solvent Safety Info. On Attached pg.)
Expanded Uncertainty (+/-) (µg/mL)
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
HARRIS
D 12/19/2023
5



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.:** 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
↓
P 12605
3
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:

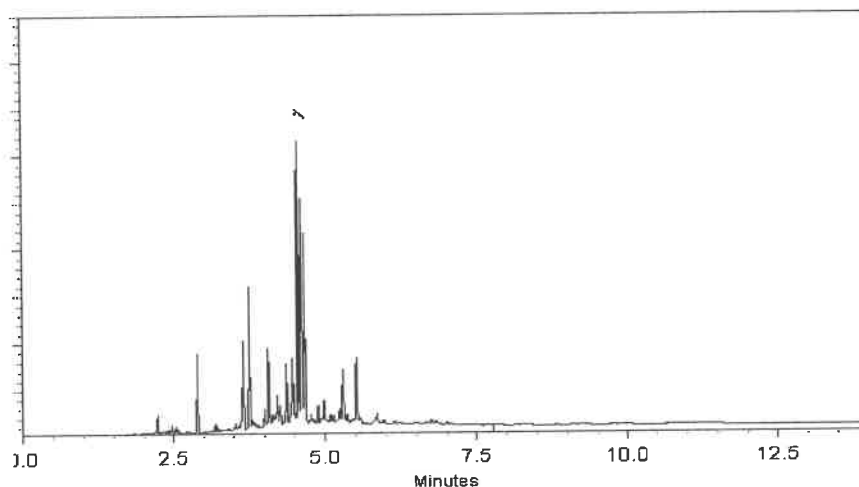
ECD

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

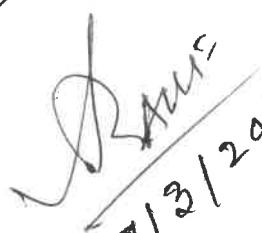
Date Mixed: 11-May-2023

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



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.:** 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.)

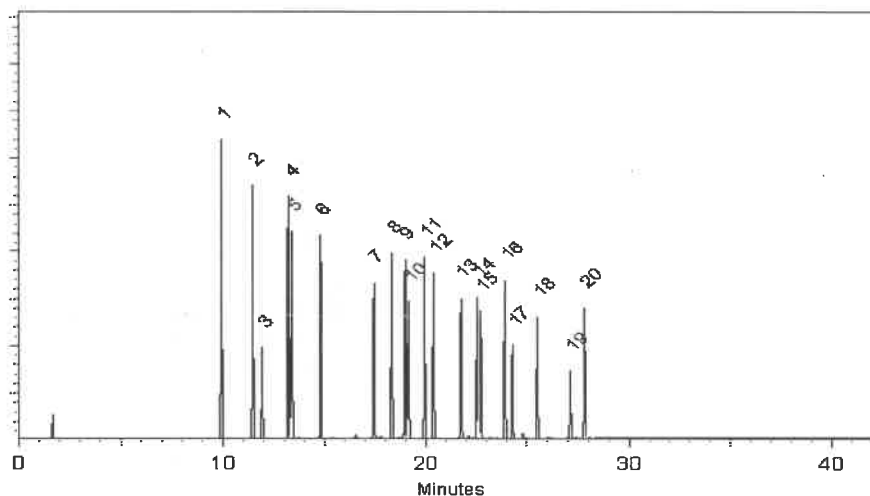
Inj. Temp:
200°C

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

P13243 } (5)
 ↓
 P13247 }
 ↓
 1

• 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).

02/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

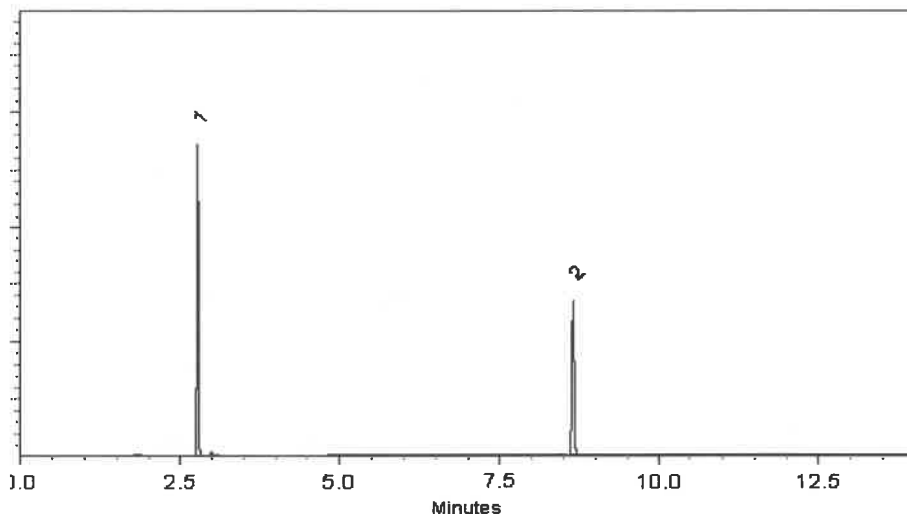
ECD

Split Vent:

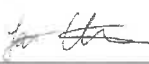
10 ml/min.

Inj. Vol

1µl

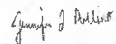


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

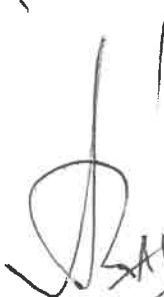
Balance Serial # 1128360905


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
↓
P 13357
10


SAUF
04/25/2025



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. : 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:

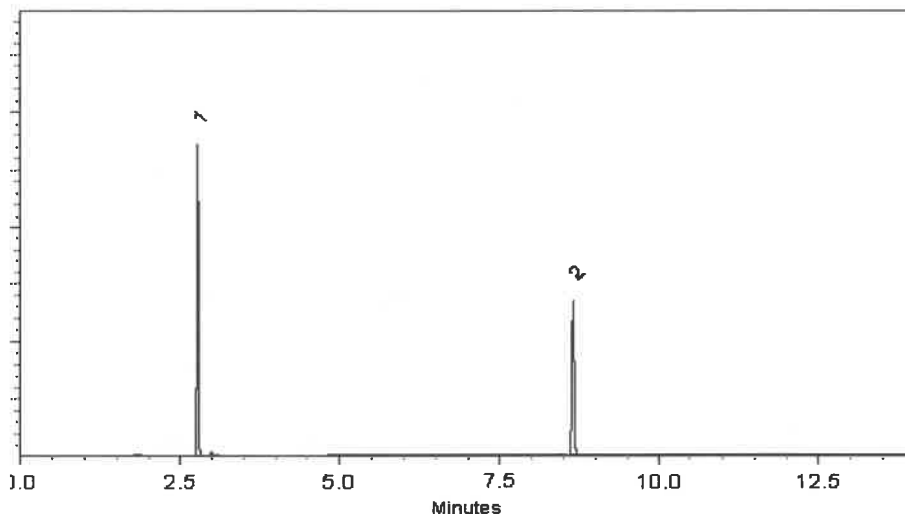
ECD

Split Vent:

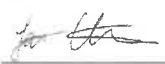
10 ml/min.

Inj. Vol

1µl

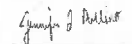


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

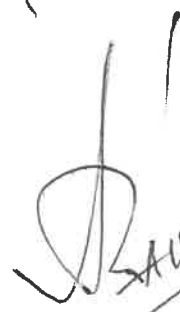
Balance Serial # 1128360905


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
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

P13402
P13406
5/22/2021

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:

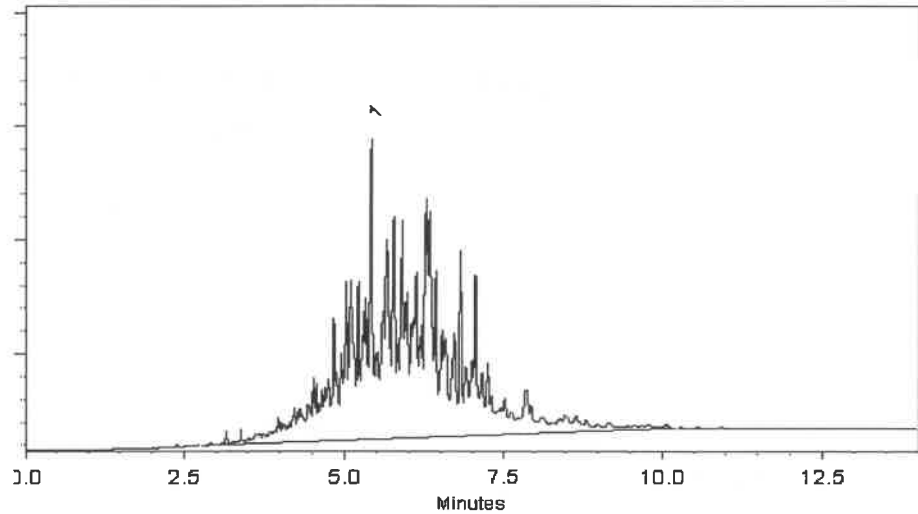
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

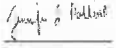


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

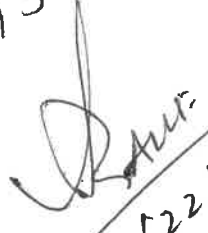
Date Mixed: 10-Oct-2023

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



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. : 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:

heliu-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:

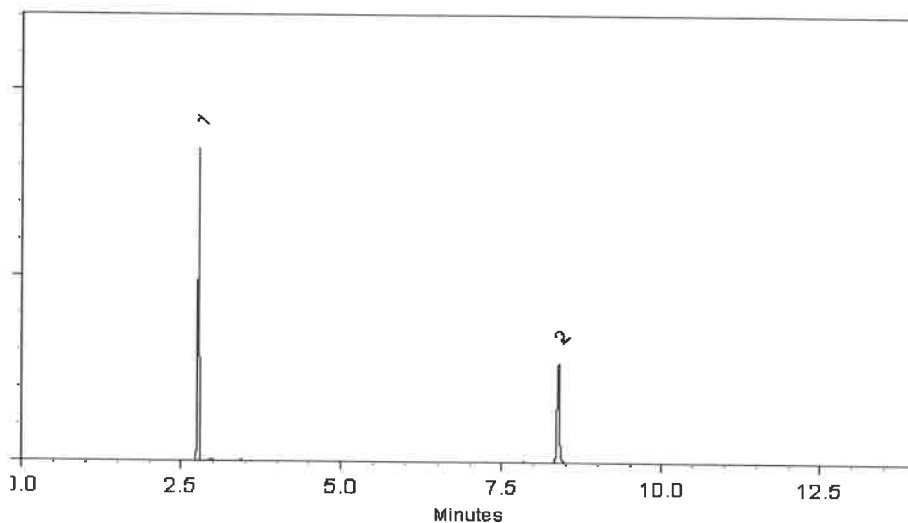
ECD

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.)

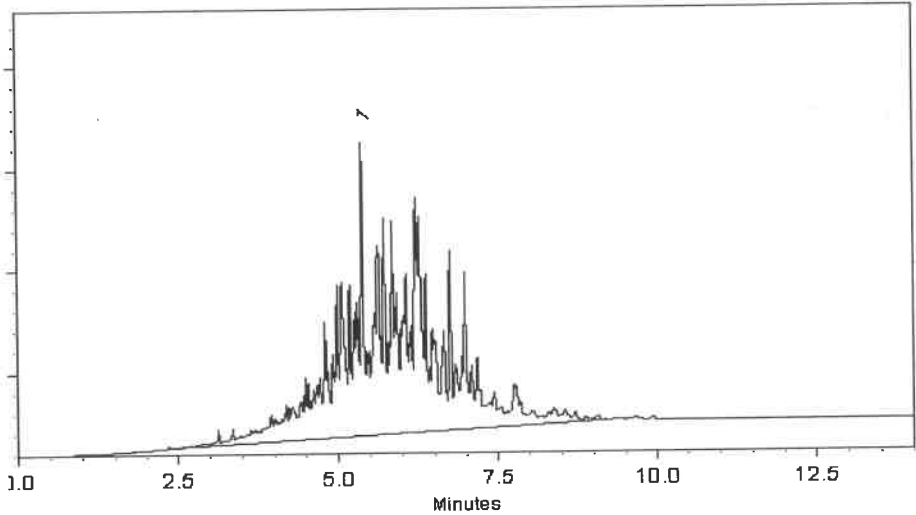
Inj. Temp:
250°C

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

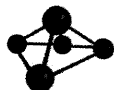

Christie Mills - Operations Lead Tech - ARM QC

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**

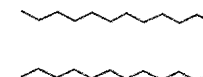
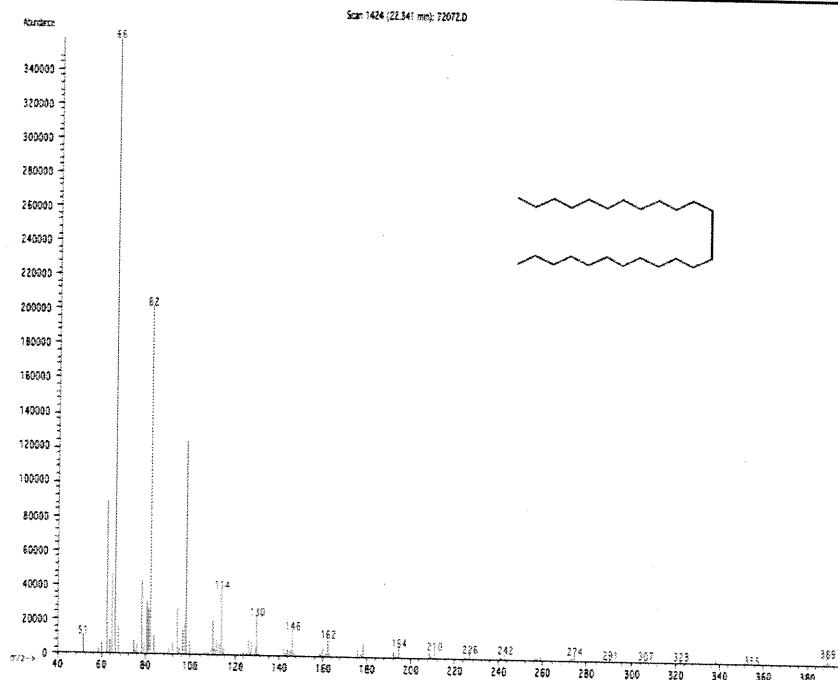
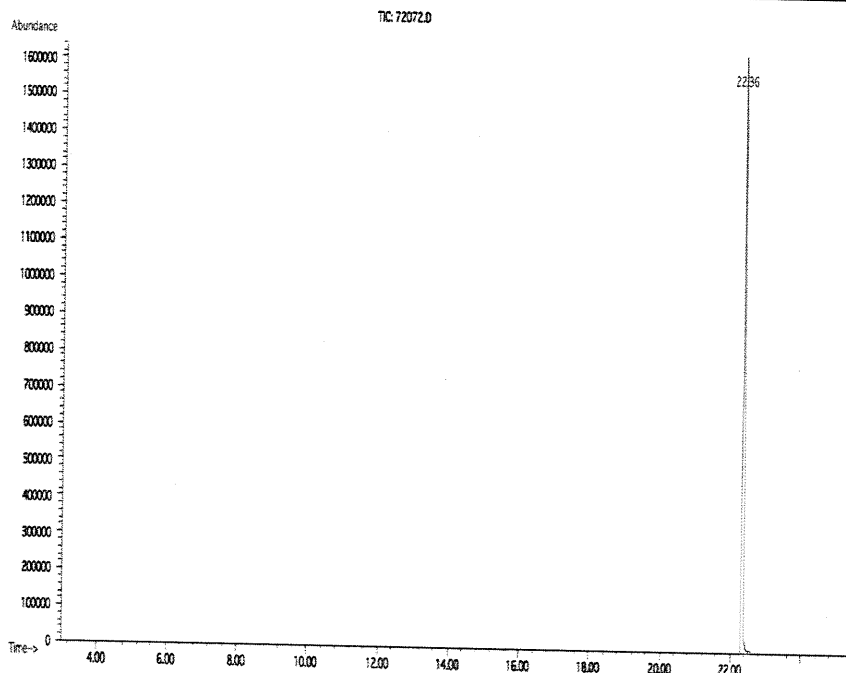
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

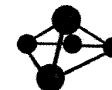
<i>Prashant Chauhan</i>		112018
Formulated By:	Prashant Chauhan	DATE
<i>Pedro Rentas</i>		112018
Reviewed By:	Pedro Rentas	DATE

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

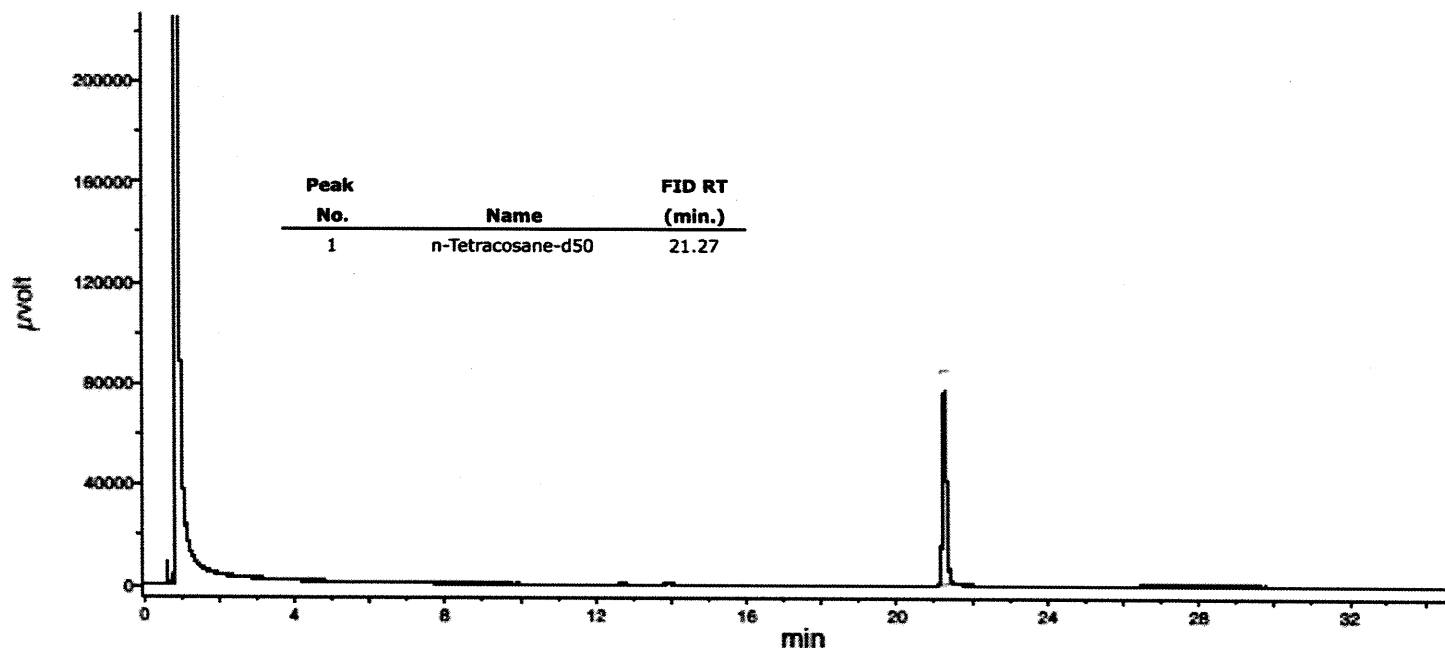
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

W3147
W3147
02/03/2023
JP

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H 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

J. Croak
Jamie Croak
Director Quality Operations, Bioscience
490 of 503



SHIPPING DOCUMENTS

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-01	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>WESTON</i>	8:35 3-27-25	<i>AR</i>	8:35 3-27-25	IF Gen #1 2.14 no Custody Seal Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-02	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>WJ</i> WESTON	0835 3/27/25	<i>CF</i>	0835 3-27-25	IR-Bin #1 2-1-C No Custody Seal Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-002-01	P001-BBDGA-002		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		F	SPLP EPH	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		G	SPLP VOCs	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>Wm</i> WESTON	0835 3/27/25	<i>CF</i>	0835 3-27-25	If Cont#1 2-1°C No Custody Seal No Tata Temp Blank

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-003-01	P001-BBDGA-003		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		F	SPLP EPH	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		G	SPLP VOCs	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>Weston</i> WESTON	0835 3/27/25	<i>CR</i>	8:35 3-27-25	IR Cont 1 2.1"
					No Custody Seal
					Temp Blank present

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-004-01	P001-BBDGA-004		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		F	SPLP EPH	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		G	SPLP VOCs	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>[Signature]</i> WESTON	0835 3/27/25	<i>[Signature]</i>	0835 3-27-25	If C-#1 2-1 No Custody Seal Temp BLK present

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-005-01	P001-BBDGA-005		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		F	SPLP EPH	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		G	SPLP VOCs	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>Wm</i> WESTON	0135 3/27/25	<i>CF</i>	0135 3-27-25	IR Out 1 2.1 no custody seal Imp Blank print

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-006-01	P001-BBDGA-006		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		F	SPLP EPH	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		G	SPLP VOCs	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>[Signature]</i> WESTON	3/27/25 0835	<i>[Signature]</i>	8:35 3-27-25	IF Cont #1 2-1 st no Custody Seal Intact Twp Blank print

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-007-01	P001-BBDGA-007		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		F	SPLP EPH	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		G	SPLP VOCs	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>Wu</i> WESTON	3/27/25 0835	<i>OR</i>	8:35 3-27-25	IR Cont #1 2-1 No Custody Seal Temp back pack

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-008-01	P001-BBDGA-008		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		F	SPLP EPH	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		G	SPLP VOCs	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	<i>[Signature]</i> WESTON	0835 3/27/25	<i>[Signature]</i>	8:35 3/27/25	IF Cont #1 21°C no Custody Seal Temp Blank present

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02

Order Date : 3/27/2025 10:47:00 AM

Project Mgr :

Client Name : Weston Solutions, Inc.

Project Name : RFP 905

Report Type : Level 4

Client Contact : Smita Sumbaly

Receive DateTime : 3/27/2025 8:35:00 AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : Weston Solutions, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Smita Sumbaly

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1664-01	P001-BBDGA-001-01	Solid	03/26/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	3 Days
Q1664-02	Q1664-01MS	Solid	03/26/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-03	Q1664-01MSD	Solid	03/26/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-07	P001-BBDGA-001-02	Solid	03/26/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-09	P001-BBDGA-002-01	Solid	03/26/2025	09:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-11	P001-BBDGA-003-01	Solid	03/26/2025	09:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-13	P001-BBDGA-004-01	Solid	03/26/2025	09:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-15	P001-BBDGA-005-01	Solid	03/26/2025	09:50					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664	ROYF02	Order Date : 3/27/2025 10:47:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 3/27/2025 8:35:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Smita Sumbaly			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1664-17	P001-BBDGA-006-01	Solid	03/26/2025	09:55	VOC-TCLVOA-10		8260D	10 Bus. Days	3 days
Q1664-19	P001-BBDGA-007-01	Solid	03/26/2025	10:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-21	P001-BBDGA-008-01	Solid	03/26/2025	10:05	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 3/27/25 1200

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room