

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 : _____

Date: 4/2/2025



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

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 905

Project # N/A

Chemtech Project # Q1664

Test Name: Pesticide-TCL

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 Pesticide-TCL.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID PL094947.D met the requirements except for 4,4-DDD is failing high in 2nd column but no positive hits in associated samples & associated QC passing within limits therefor no corrective action taken.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Calculation for Concentration in Soil samples:

$$\text{Concentration ug/Kg (Dry weight basis)} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vi) (Ws) (D)}$$

Where,

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

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

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL). (If a single injection is made onto two columns, use ½ the volume in the syringe as the volume injected onto each column).

Ws = Weight of sample extracted (g).

D = % dry weight or $\frac{100 - \% \text{Moisture}}{100}$

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

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_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: 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 File ID PL094947.D met the requirements except for 4,4-DDD is failing high in 2nd column but no positive hits in associated samples & associated QC passing within limits therefor no corrective action taken.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The soil samples results are based on a dry weight basis.

QA REVIEW

Date

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: 04/02/2025

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	
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	
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	
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	
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	
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	
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	
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	
Q1664-21	P001-BBDGA-008-01	SOIL			03/26/25			03/27/25

LAB CHRONICLE

PCB	8082A	03/28/25	03/28/25
Pesticide-TCL	8081B	03/28/25	03/28/25



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Hit Summary Sheet
SW-846

SDG No.: Q1664

Order ID: Q1664

Client: Weston Solutions, Inc.

Project ID: RFP 905

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000



QC SUMMARY

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-PL094929.D	PIBLK-PL094929.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	17.4	87		77	126
		Decachlorobiphenyl	2	20	17.6	88		43	140
		Tetrachloro-m-xylene	2	20	18.5	92		77	126
PB167367BL	PB167367BL	Decachlorobiphenyl	1	20	19.5	97		20	144
		Tetrachloro-m-xylene	1	20	18.1	91		19	148
		Decachlorobiphenyl	2	20	18.8	94		20	144
		Tetrachloro-m-xylene	2	20	18.9	94		19	148
PB167367BS	PB167367BS	Decachlorobiphenyl	1	20	22.3	112		20	144
		Tetrachloro-m-xylene	1	20	21.0	105		19	148
		Decachlorobiphenyl	2	20	22.1	111		20	144
		Tetrachloro-m-xylene	2	20	21.4	107		19	148
Q1664-01	P001-BBDGA-001-01	Decachlorobiphenyl	1	20	15.5	77		20	144
		Tetrachloro-m-xylene	1	20	15.4	77		19	148
		Decachlorobiphenyl	2	20	15.0	75		20	144
		Tetrachloro-m-xylene	2	20	15.6	78		19	148
Q1664-02MS	P001-BBDGA-001-01MS	Decachlorobiphenyl	1	20	16.5	82		20	144
		Tetrachloro-m-xylene	1	20	15.7	79		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	16.0	80		19	148
Q1664-03MSD	P001-BBDGA-001-01MSD	Decachlorobiphenyl	1	20	16.3	81		20	144
		Tetrachloro-m-xylene	1	20	15.7	78		19	148
		Decachlorobiphenyl	2	20	15.1	75		20	144
		Tetrachloro-m-xylene	2	20	15.8	79		19	148
Q1664-07	P001-BBDGA-001-02	Decachlorobiphenyl	1	20	19.0	95		20	144
		Tetrachloro-m-xylene	1	20	18.3	92		19	148
		Decachlorobiphenyl	2	20	18.0	90		20	144
		Tetrachloro-m-xylene	2	20	19.2	96		19	148
Q1664-09	P001-BBDGA-002-01	Decachlorobiphenyl	1	20	21.1	105		20	144
		Tetrachloro-m-xylene	1	20	19.9	100		19	148
		Decachlorobiphenyl	2	20	19.6	98		20	144
		Tetrachloro-m-xylene	2	20	20.9	104		19	148
Q1664-11	P001-BBDGA-003-01	Decachlorobiphenyl	1	20	20.6	103		20	144
		Tetrachloro-m-xylene	1	20	19.5	97		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	20.4	102		19	148
Q1664-13	P001-BBDGA-004-01	Decachlorobiphenyl	1	20	20.9	104		20	144

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
Q1664-13	P001-BBDGA-004-01	Tetrachloro-m-xylene	1	20	19.9	100		19	148
		Decachlorobiphenyl	2	20	19.9	99		20	144
Q1664-15	P001-BBDGA-005-01	Tetrachloro-m-xylene	2	20	20.8	104		19	148
		Decachlorobiphenyl	1	20	20.0	100		20	144
		Tetrachloro-m-xylene	1	20	19.4	97		19	148
		Decachlorobiphenyl	2	20	18.2	91		20	144
		Tetrachloro-m-xylene	2	20	20.0	100		19	148
Q1664-17	P001-BBDGA-006-01	Decachlorobiphenyl	1	20	20.7	103		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	19.9	99		20	144
		Tetrachloro-m-xylene	2	20	20.9	105		19	148
Q1664-19	P001-BBDGA-007-01	Decachlorobiphenyl	1	20	19.9	100		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	19.3	96		20	144
		Tetrachloro-m-xylene	2	20	21.0	105		19	148
Q1664-21	P001-BBDGA-008-01	Decachlorobiphenyl	1	20	21.1	106		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	19.8	99		20	144
		Tetrachloro-m-xylene	2	20	21.7	109		19	148
I.BLK-PL094946.D	PIBLK-PL094946.D	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	21.1	106		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8081B

DataFile : PL094935.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											
Q1664-02MS	alpha-BHC	18.12	0	16.7	ug/kg	92				60	144	
	beta-BHC	18.12	0	16.2	ug/kg	89				54	143	
	delta-BHC	18.12	0	15.9	ug/kg	88				29	151	
	gamma-BHC (Lindane)	18.12	0	16.0	ug/kg	88				61	140	
	Heptachlor	18.12	0	15.7	ug/kg	87				63	135	
	Aldrin	18.12	0	15.7	ug/kg	87				49	139	
	Heptachlor epoxide	18.12	0	15.7	ug/kg	87				41	156	
	Endosulfan I	18.12	0	15.8	ug/kg	87				56	142	
	Dieldrin	18.12	0	16.0	ug/kg	88				47	161	
	4,4'-DDE	18.12	0	16.6	ug/kg	92				55	136	
	Endrin	18.12	0	16.4	ug/kg	91				57	139	
	Endosulfan II	18.12	0	15.6	ug/kg	86				40	163	
	4,4'-DDD	18.12	0	17.4	ug/kg	96				47	163	
	Endosulfan sulfate	18.12	0	16.2	ug/kg	89				62	139	
	4,4'-DDT	18.12	0	16.6	ug/kg	92				51	146	
	Methoxychlor	18.12	0	17.2	ug/kg	95				54	136	
	Endrin ketone	18.12	0	16.1	ug/kg	89				60	129	
	Endrin aldehyde	18.12	0	15.6	ug/kg	86				59	132	
	alpha-Chlordane	18.12	0	15.7	ug/kg	87				39	166	
	gamma-Chlordane	18.12	0	15.8	ug/kg	87				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8081B

DataFile : PL094936.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											
Q1664-03MSD	alpha-BHC	18.13	0	16.6	ug/kg	92		0		60	144	20
	beta-BHC	18.13	0	16.1	ug/kg	89		0		54	143	20
	delta-BHC	18.13	0	15.8	ug/kg	87		1		29	151	20
	gamma-BHC (Lindane)	18.13	0	16.0	ug/kg	88		0		61	140	20
	Heptachlor	18.13	0	15.6	ug/kg	86		1		63	135	20
	Aldrin	18.13	0	15.6	ug/kg	86		1		49	139	20
	Heptachlor epoxide	18.13	0	15.6	ug/kg	86		1		41	156	20
	Endosulfan I	18.13	0	16.0	ug/kg	88		1		56	142	20
	Dieldrin	18.13	0	15.7	ug/kg	87		1		47	161	20
	4,4'-DDE	18.13	0	16.4	ug/kg	90		2		55	136	20
	Endrin	18.13	0	16.3	ug/kg	90		1		57	139	20
	Endosulfan II	18.13	0	15.5	ug/kg	85		1		40	163	20
	4,4'-DDD	18.13	0	17.3	ug/kg	95		1		47	163	20
	Endosulfan sulfate	18.13	0	16.0	ug/kg	88		1		62	139	20
	4,4'-DDT	18.13	0	16.5	ug/kg	91		1		51	146	20
	Methoxychlor	18.13	0	17.0	ug/kg	94		1		54	136	20
	Endrin ketone	18.13	0	15.9	ug/kg	88		1		60	129	20
	Endrin aldehyde	18.13	0	15.6	ug/kg	86		0		59	132	20
	alpha-Chlordane	18.13	0	15.8	ug/kg	87		0		39	166	20
	gamma-Chlordane	18.13	0	15.7	ug/kg	87		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: **8081B** Datafile : PL094933.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167367BS	alpha-BHC	16.65	19.4	ug/kg	117				84	123	
	beta-BHC	16.65	18.6	ug/kg	112				82	123	
	delta-BHC	16.65	15.8	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	18.5	ug/kg	111				83	125	
	Heptachlor	16.65	18.1	ug/kg	109				83	122	
	Aldrin	16.65	18.3	ug/kg	110				82	124	
	Heptachlor epoxide	16.65	18.3	ug/kg	110				83	120	
	Endosulfan I	16.65	17.9	ug/kg	108				81	124	
	Dieldrin	16.65	18.3	ug/kg	110				85	121	
	4,4'-DDE	16.65	19.1	ug/kg	115				81	123	
	Endrin	16.65	18.9	ug/kg	114				76	130	
	Endosulfan II	16.65	18.4	ug/kg	111				80	125	
	4,4'-DDD	16.65	20.1	ug/kg	121				80	131	
	Endosulfan sulfate	16.65	18.7	ug/kg	112				81	122	
	4,4'-DDT	16.65	19.6	ug/kg	118				70	129	
	Methoxychlor	16.65	19.8	ug/kg	119				60	119	
	Endrin ketone	16.65	19.0	ug/kg	114				77	132	
	Endrin aldehyde	16.65	18.5	ug/kg	111				79	124	
	alpha-Chlordane	16.65	18.2	ug/kg	109				84	120	
	gamma-Chlordane	16.65	18.3	ug/kg	110				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167367BL

Lab Name: CHEMTECH

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Lab Sample ID: PB167367BL

Lab File ID: PL094932.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/28/2025

Date Analyzed (1): 03/28/2025

Date Analyzed (2): 03/28/2025

Time Analyzed (1): 13:24

Time Analyzed (2): 13:24

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
PB167367BS	PB167367BS	PL094933.D	03/28/2025	03/28/2025
P001-BBDGA-001-01	Q1664-01	PL094934.D	03/28/2025	03/28/2025
P001-BBDGA-001-01MS	Q1664-02MS	PL094935.D	03/28/2025	03/28/2025
P001-BBDGA-001-01MSD	Q1664-03MSD	PL094936.D	03/28/2025	03/28/2025
P001-BBDGA-001-02	Q1664-07	PL094937.D	03/28/2025	03/28/2025
P001-BBDGA-002-01	Q1664-09	PL094938.D	03/28/2025	03/28/2025
P001-BBDGA-003-01	Q1664-11	PL094939.D	03/28/2025	03/28/2025
P001-BBDGA-004-01	Q1664-13	PL094940.D	03/28/2025	03/28/2025
P001-BBDGA-005-01	Q1664-15	PL094941.D	03/28/2025	03/28/2025
P001-BBDGA-006-01	Q1664-17	PL094942.D	03/28/2025	03/28/2025
P001-BBDGA-007-01	Q1664-19	PL094943.D	03/28/2025	03/28/2025
P001-BBDGA-008-01	Q1664-21	PL094944.D	03/28/2025	03/28/2025

COMMENTS: _____



SAMPLE DATA

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:	Q1664-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094934.D	1	03/28/25 08:53	03/28/25 13:52	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.5		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.6		19 - 148	78%	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:	Q1664-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.8	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094934.D	1	03/28/25 08:53	03/28/25 13:52	PB167367

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\PL032825\
Data File : PL094934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 13:52
Operator : AR\AJ
Sample : Q1664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:21 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...	3.535	2.769	43542425	55676682	15.382	15.599
28)	SA Decachlor...	9.048	7.900	32604883	60429132	15.471	14.960

Target Compounds

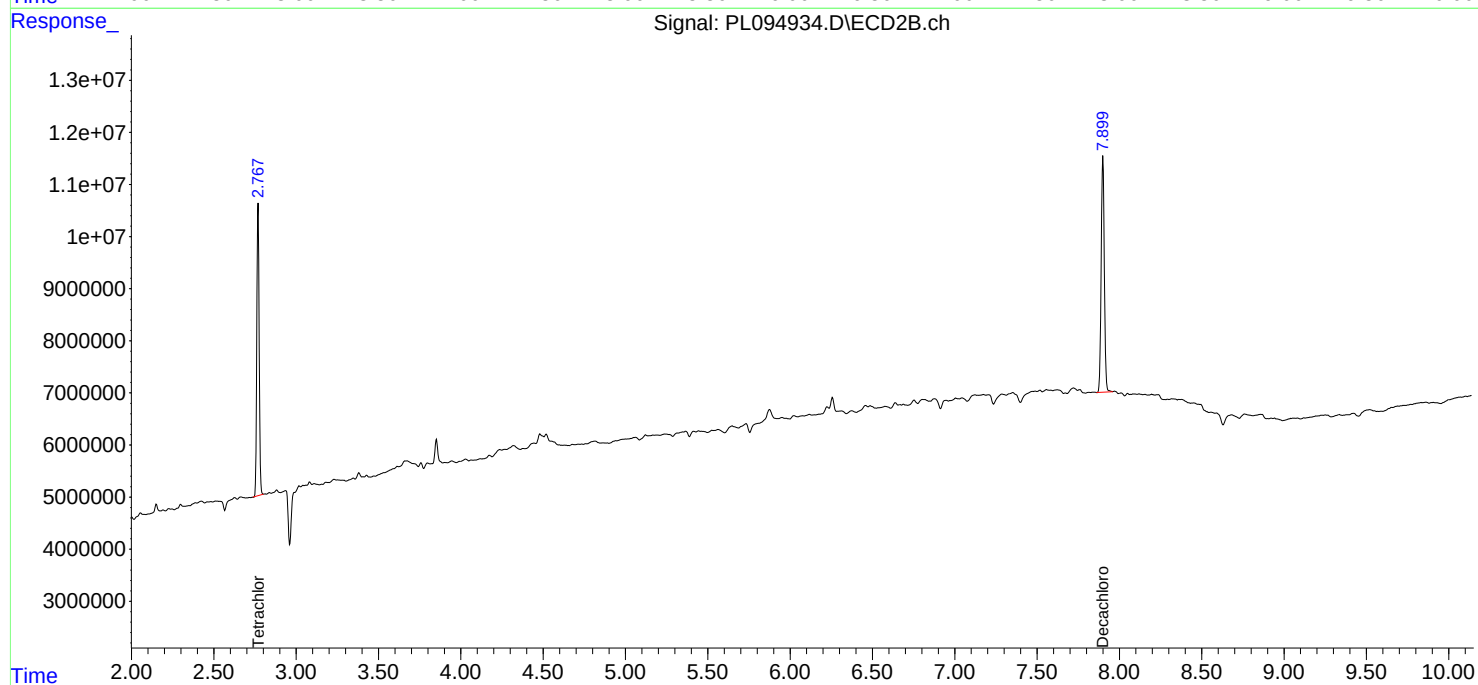
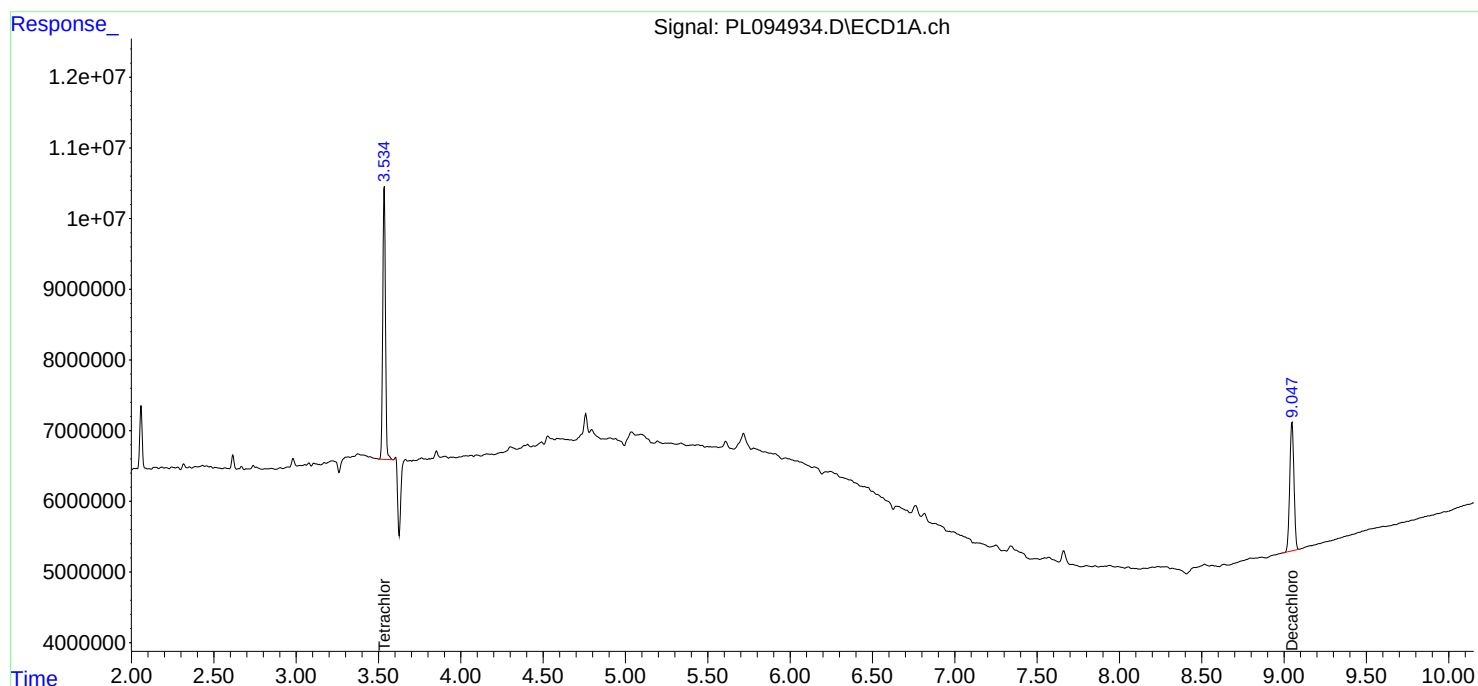
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

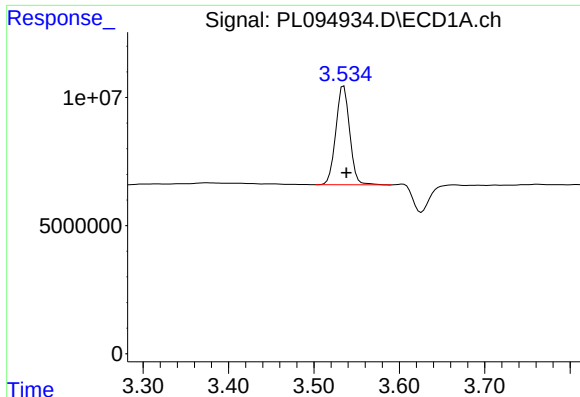
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 13:52
Operator : AR\AJ
Sample : Q1664-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:21 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

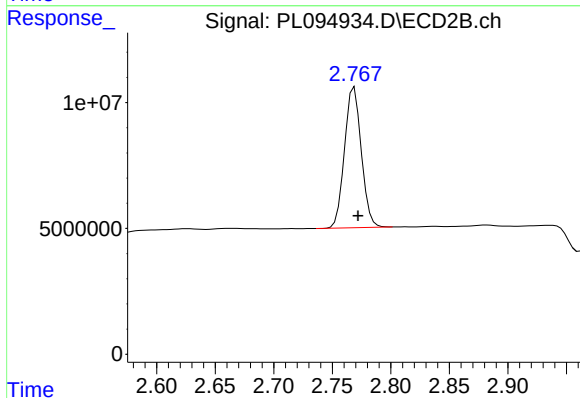




#1 Tetrachloro-m-xylene

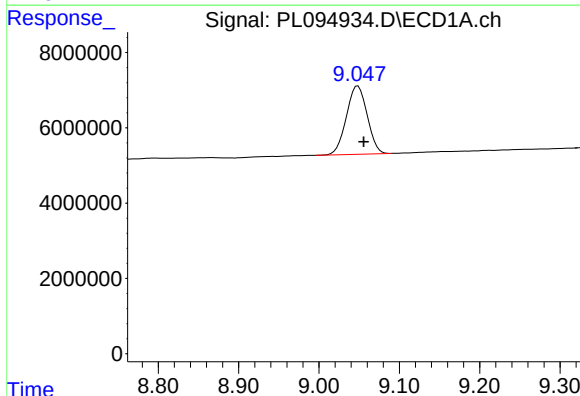
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 43542425
Conc: 15.38 ng/ml

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



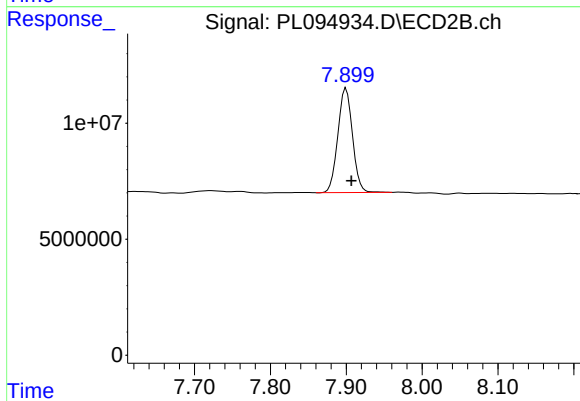
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 55676682
Conc: 15.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.007 min
Response: 32604883
Conc: 15.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 60429132
Conc: 14.96 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:	Q1664-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094937.D	1	03/28/25 08:53	03/28/25 14:33	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		20 - 144	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		19 - 148	96%	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:	Q1664-07		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094937.D	1	03/28/25 08:53	03/28/25 14:33	PB167367

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\PL032825\
 Data File : PL094937.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 14:33
 Operator : AR\AJ
 Sample : Q1664-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/31/2025
 Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:15:59 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	2.768	51826619	68583980	18.309	19.215m
28) SA Decachlor...	9.048	7.900	39963071	72757521	18.963	18.012

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 14:33
Operator : AR\AJ
Sample : Q1664-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

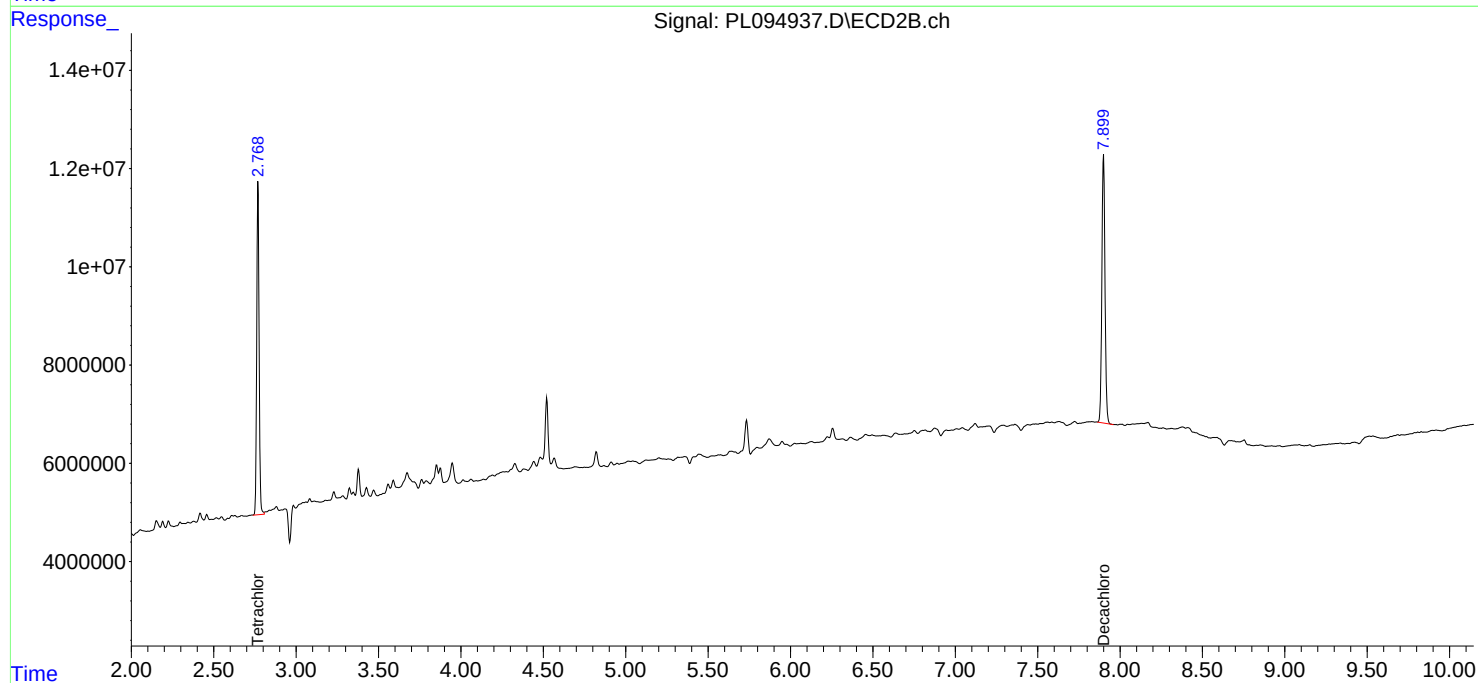
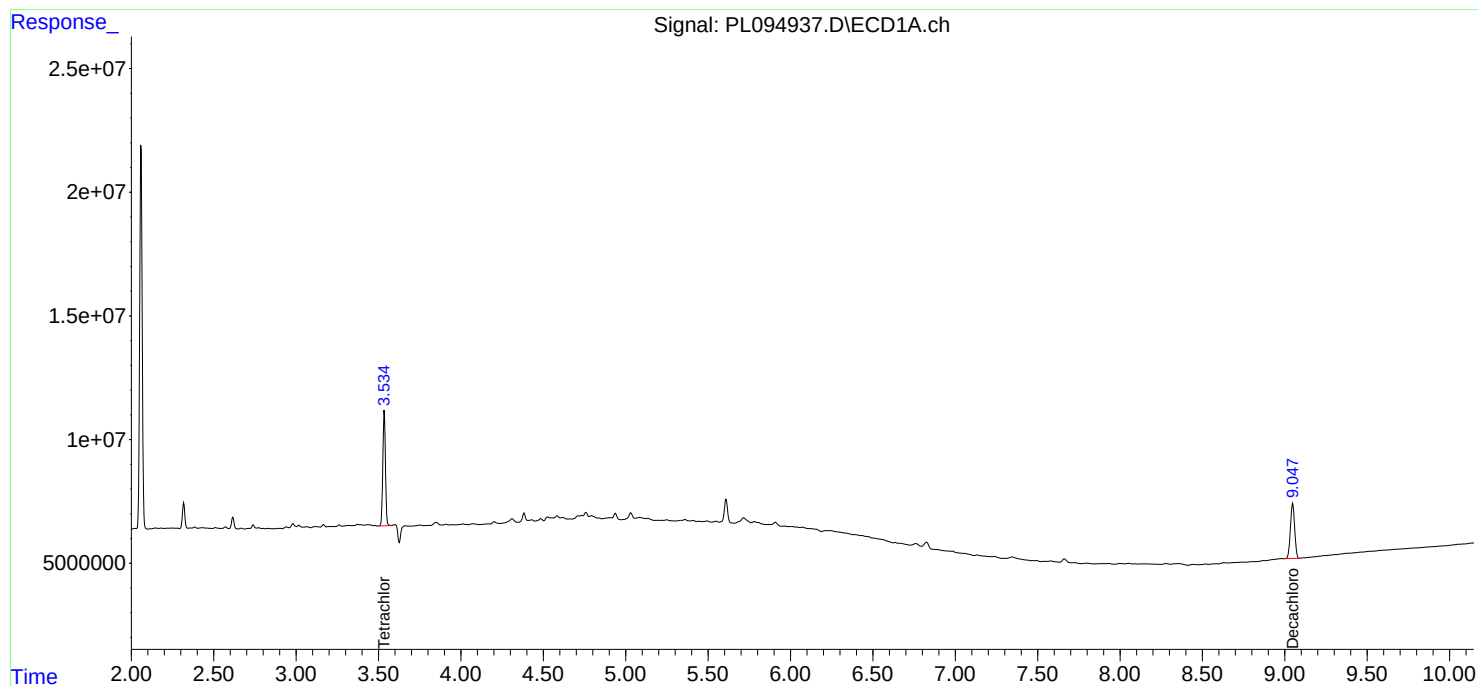
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-02

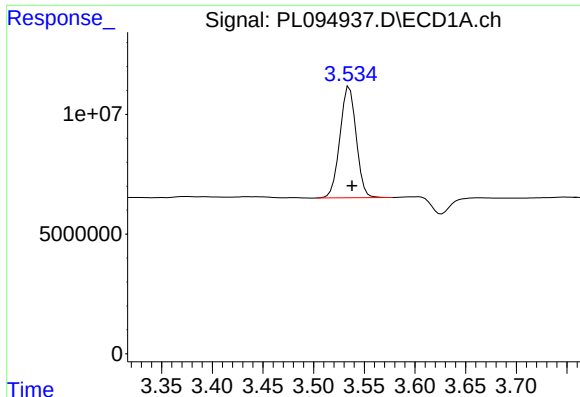
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/31/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:59 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





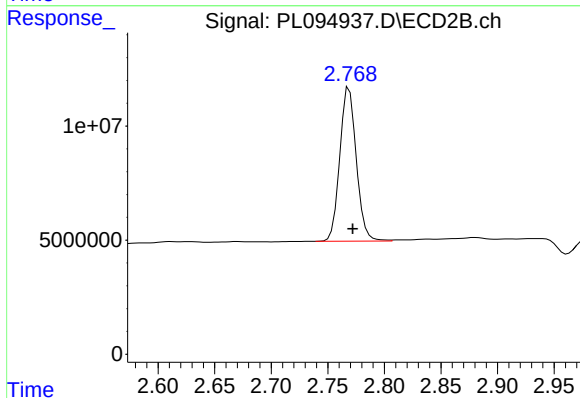
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 51826619
Conc: 18.31 ng/ml

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

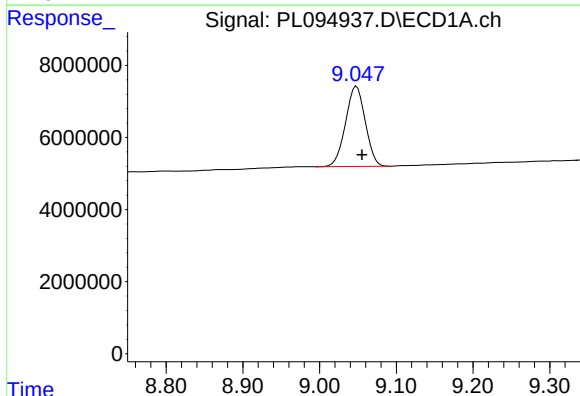
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



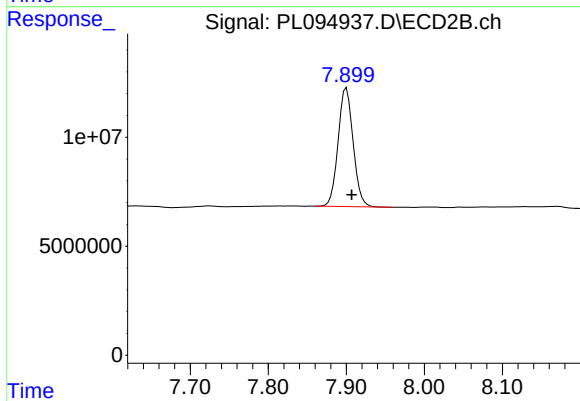
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 68583980
Conc: 19.22 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.007 min
Response: 39963071
Conc: 18.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 72757521
Conc: 18.01 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:	Q1664-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094938.D	1	03/28/25 08:53	03/28/25 14:46	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		19 - 148	104%	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:	Q1664-09		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.5	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094938.D	1	03/28/25 08:53	03/28/25 14:46	PB167367

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\PL032825\
Data File : PL094938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 14:46
Operator : AR\AJ
Sample : Q1664-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:05 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...	3.535	2.769	56448245	74523975	19.942	20.879
28) SA Decachlor...	9.048	7.900	44373584	79115193	21.056	19.586

Target Compounds

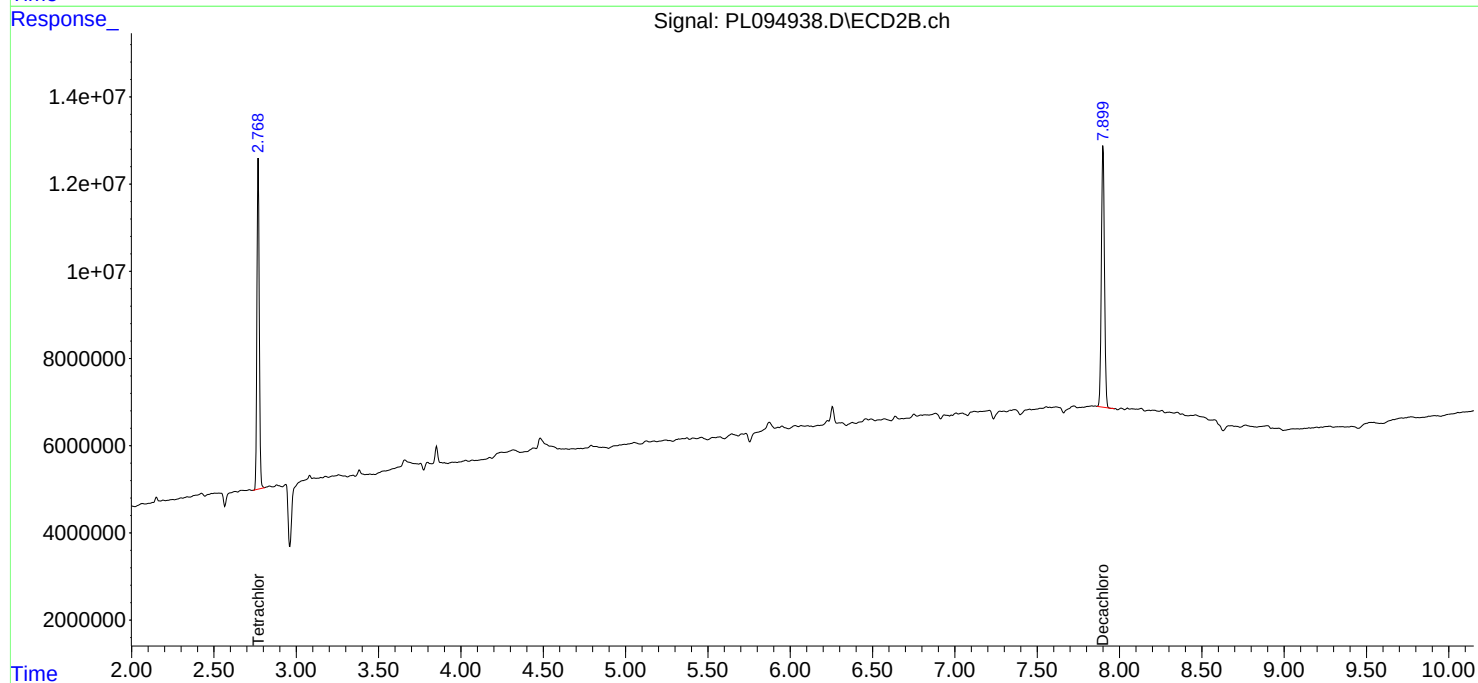
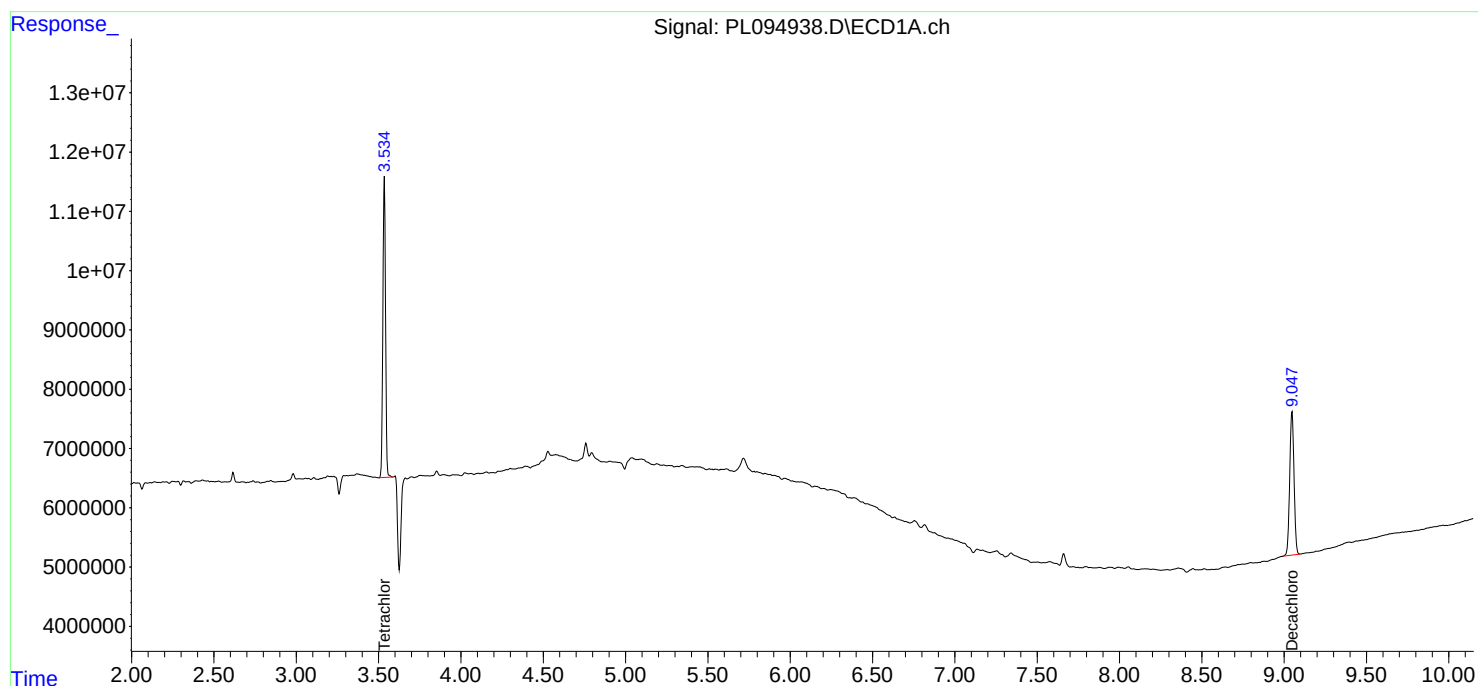
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

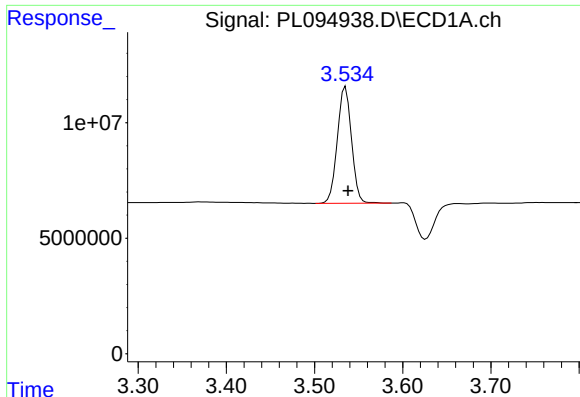
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 14:46
Operator : AR\AJ
Sample : Q1664-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:05 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

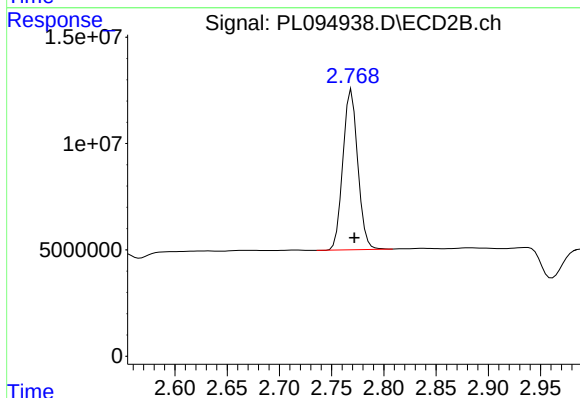




#1 Tetrachloro-m-xylene

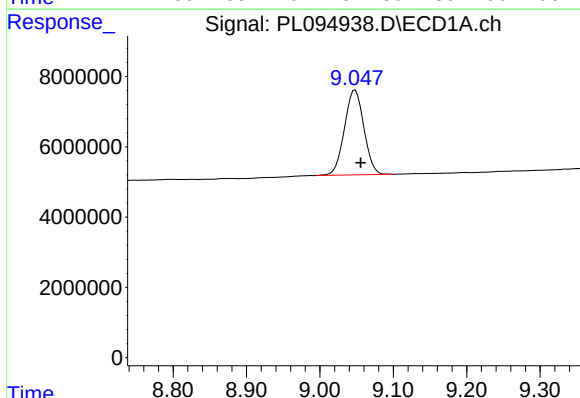
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 56448245
Conc: 19.94 ng/ml

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



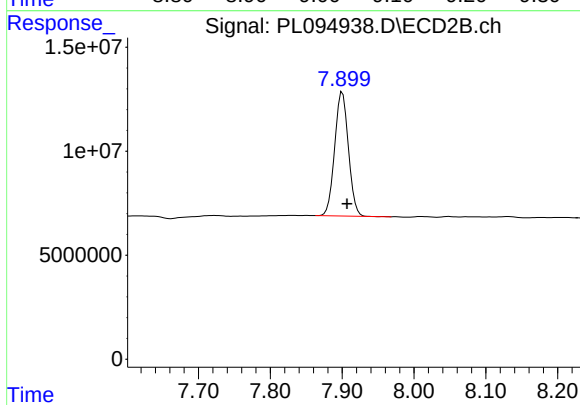
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 74523975
Conc: 20.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.008 min
Response: 44373584
Conc: 21.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 79115193
Conc: 19.59 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:	Q1664-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094939.D	1	03/28/25 08:53	03/28/25 15:00	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		19 - 148	102%	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:	Q1664-11		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094939.D	1	03/28/25 08:53	03/28/25 15:00	PB167367

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\PL032825\
Data File : PL094939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:00
Operator : AR\AJ
Sample : Q1664-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:15 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...	3.535	2.769	55171860	72786085	19.491	20.392
28)	SA Decachlor...	9.049	7.900	43413147	77578581	20.600	19.206

Target Compounds

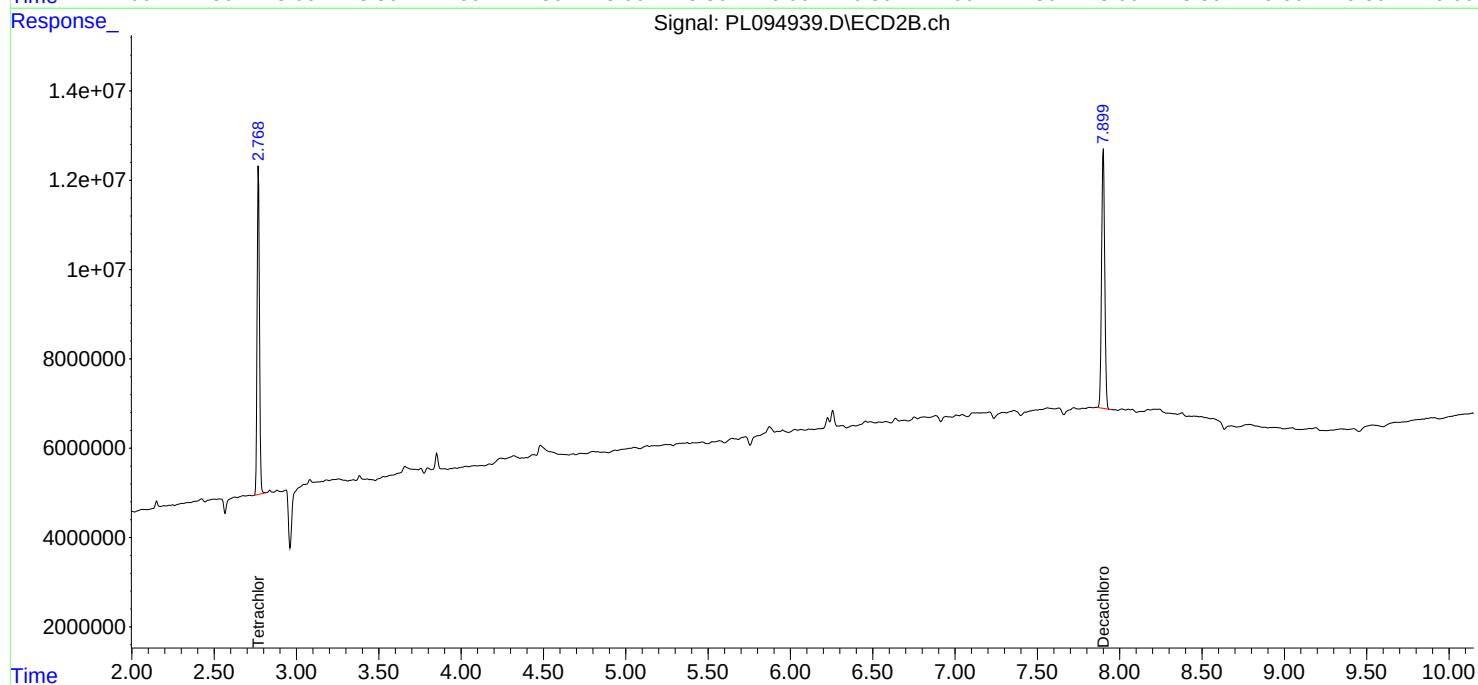
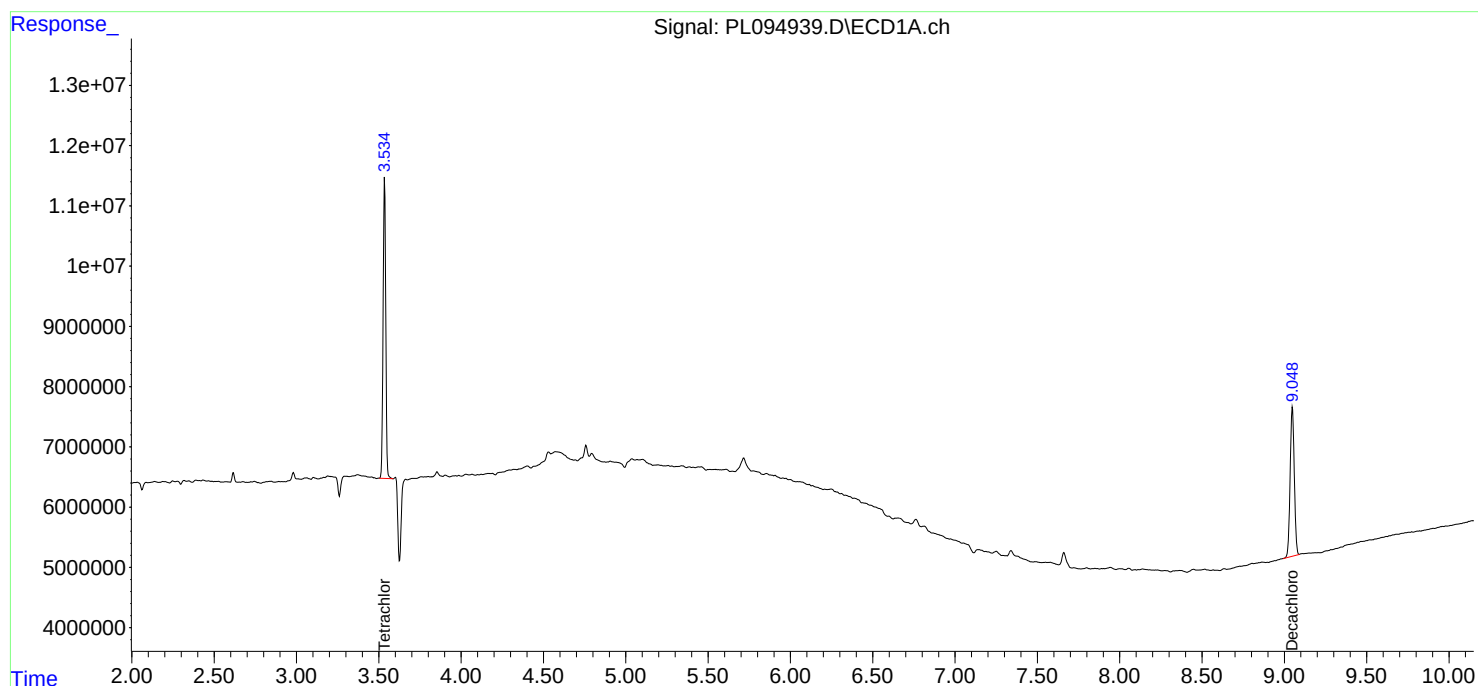
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

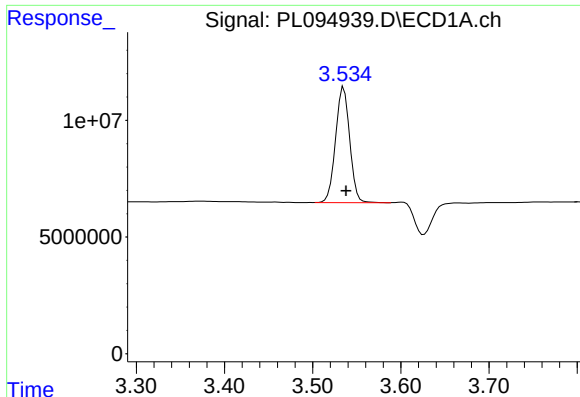
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:00
Operator : AR\AJ
Sample : Q1664-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:15 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

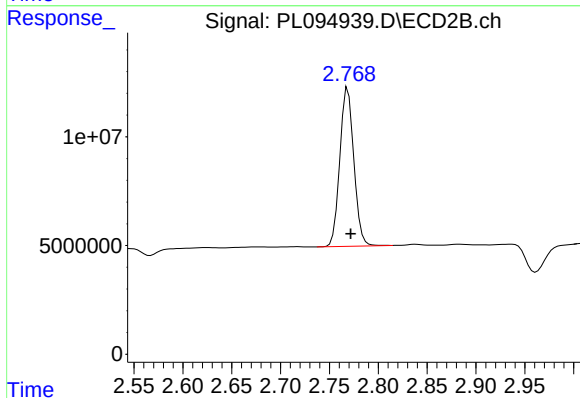




#1 Tetrachloro-m-xylene

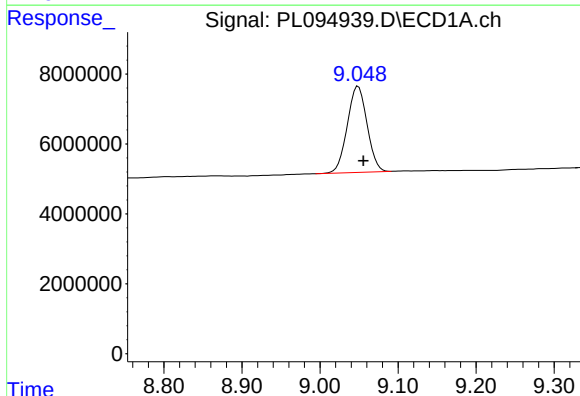
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 55171860
Conc: 19.49 ng/ml

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



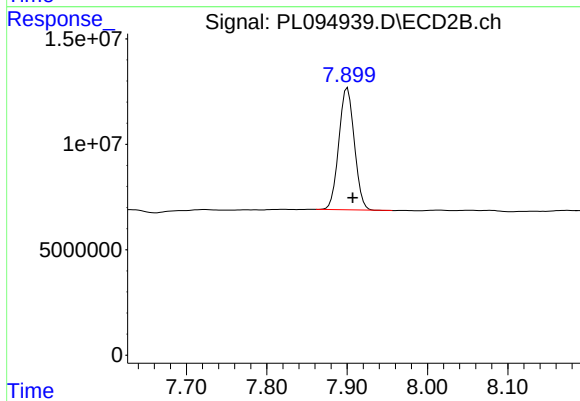
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 72786085
Conc: 20.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 43413147
Conc: 20.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 77578581
Conc: 19.21 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:	Q1664-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	95.4	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094940.D	1	03/28/25 08:53	03/28/25 15:14	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		20 - 144	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		19 - 148	104%	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:	Q1664-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	95.4	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094940.D	1	03/28/25 08:53	03/28/25 15:14	PB167367

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\PL032825\
Data File : PL094940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:14
Operator : AR\AJ
Sample : Q1664-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:27 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	56331176	74340360	19.900	20.828
28)	SA Decachlor...	9.050	7.900	44037259	80344555	20.896	19.890

Target Compounds

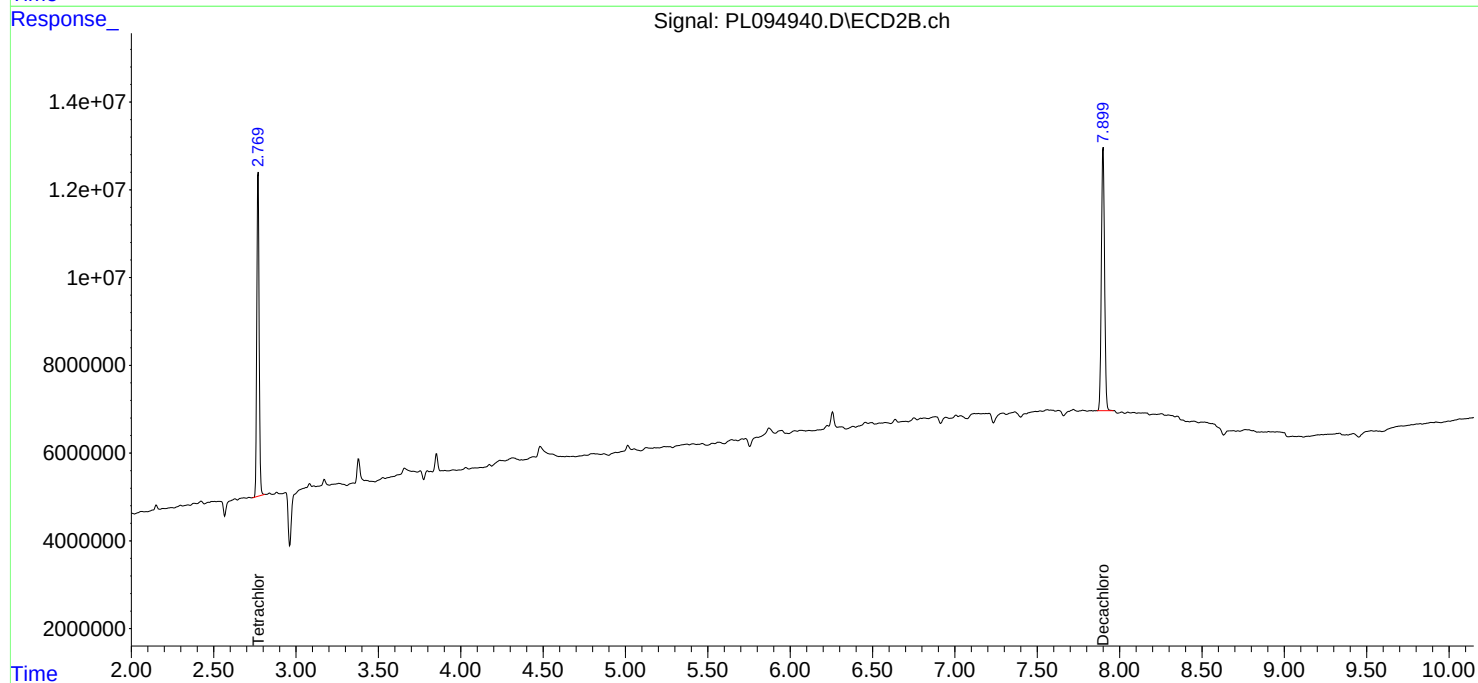
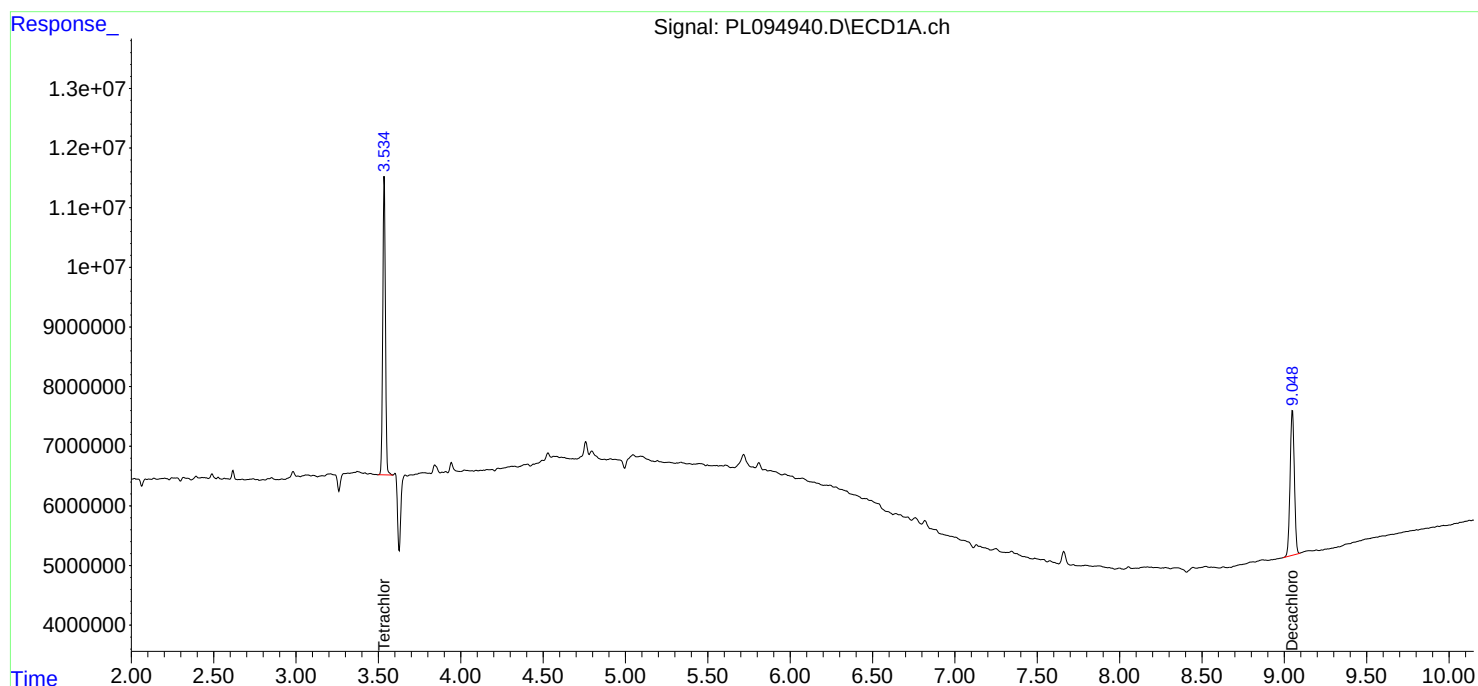
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

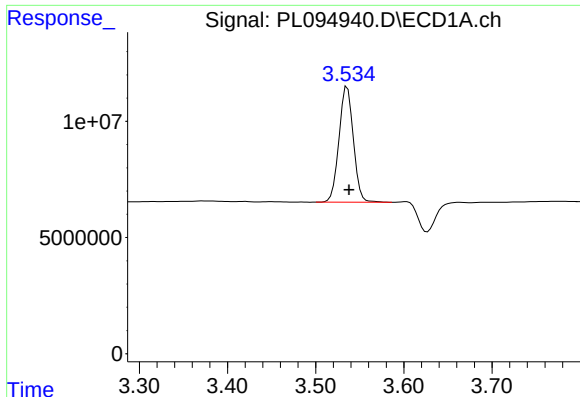
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:14
Operator : AR\AJ
Sample : Q1664-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:27 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

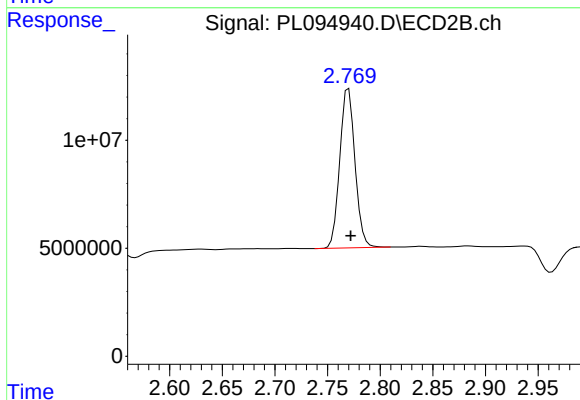




#1 Tetrachloro-m-xylene

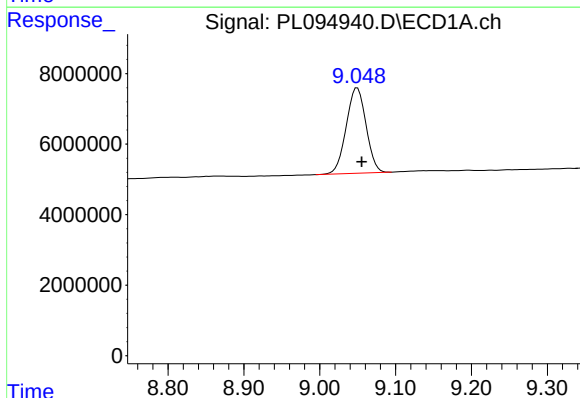
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 56331176
Conc: 19.90 ng/ml

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



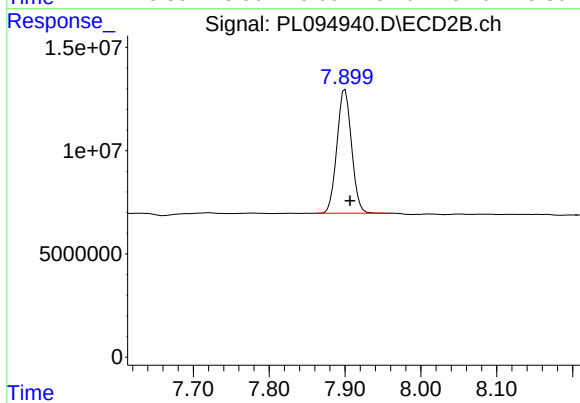
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 74340360
Conc: 20.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.006 min
Response: 44037259
Conc: 20.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 80344555
Conc: 19.89 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:	Q1664-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094941.D	1	03/28/25 08:53	03/28/25 15:27	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	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:	Q1664-15		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094941.D	1	03/28/25 08:53	03/28/25 15:27	PB167367

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\PL032825\
 Data File : PL094941.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 15:27
 Operator : AR\AJ
 Sample : Q1664-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:16:37 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	54854580	71505783	19.379	20.034
28) SA Decachlor...	9.049	7.900	42187632	73692071	20.018	18.244

Target Compounds

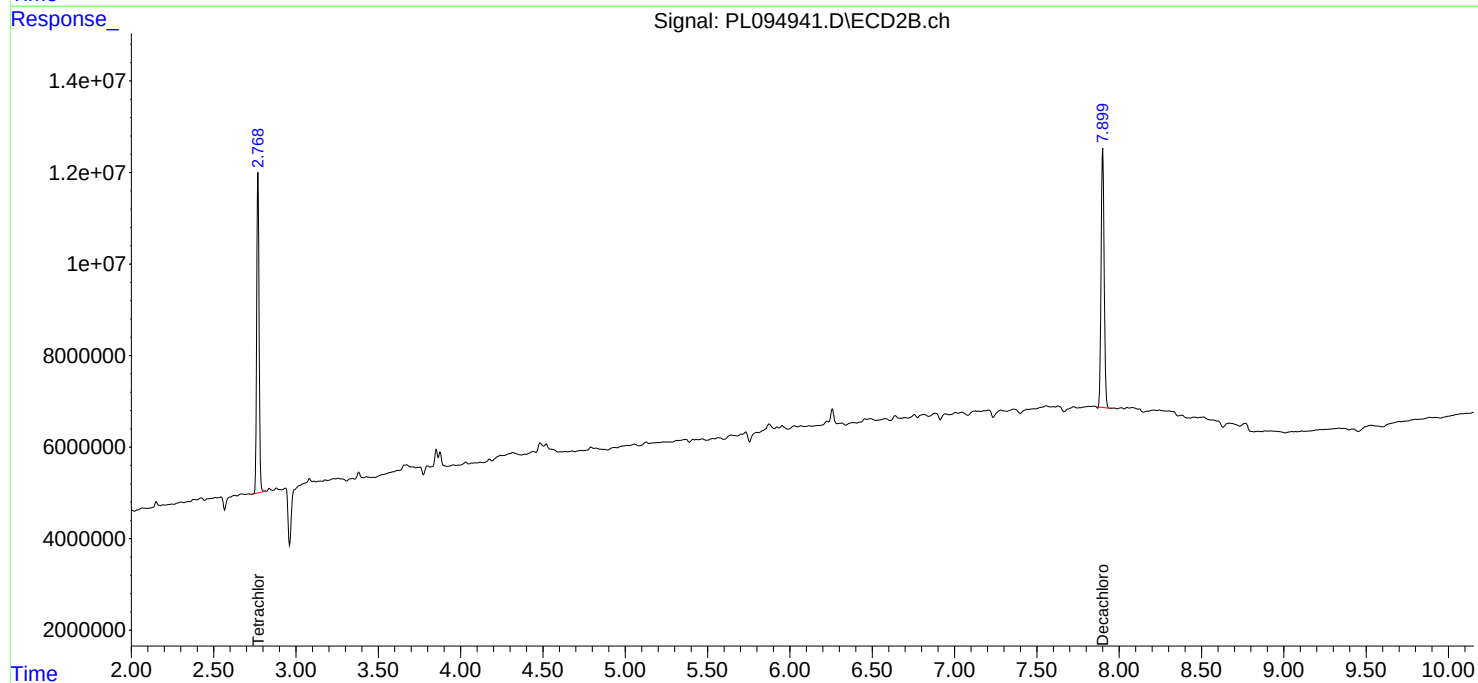
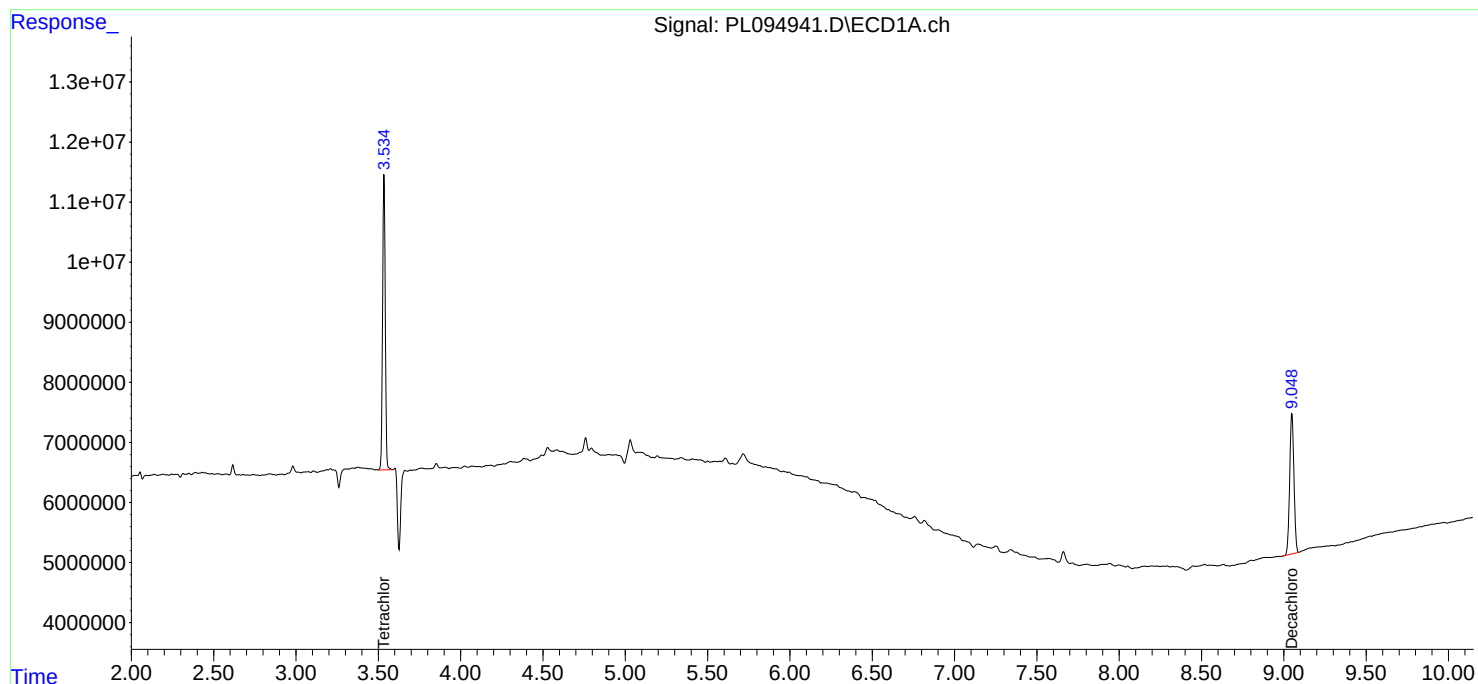
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

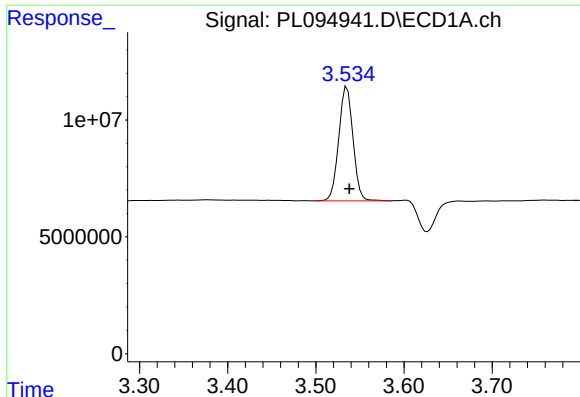
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:27
Operator : AR\AJ
Sample : Q1664-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:37 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

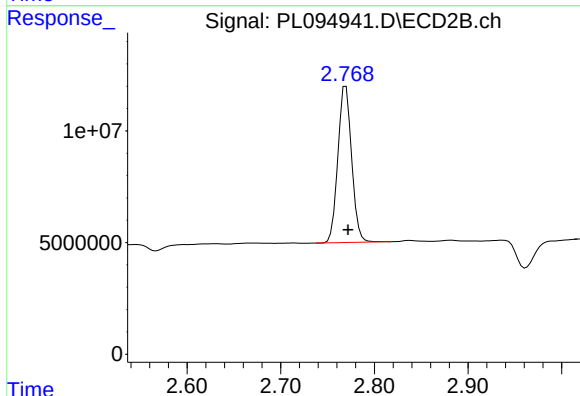




#1 Tetrachloro-m-xylene

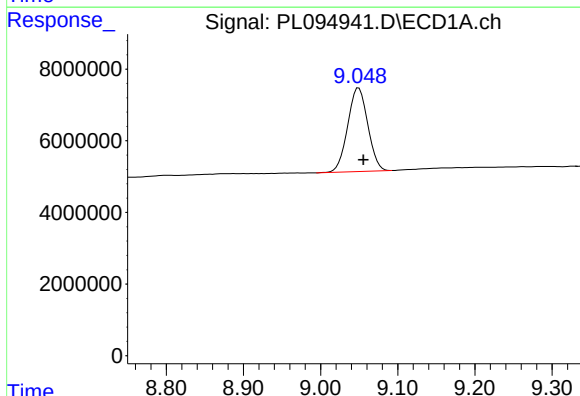
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54854580
Conc: 19.38 ng/ml

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



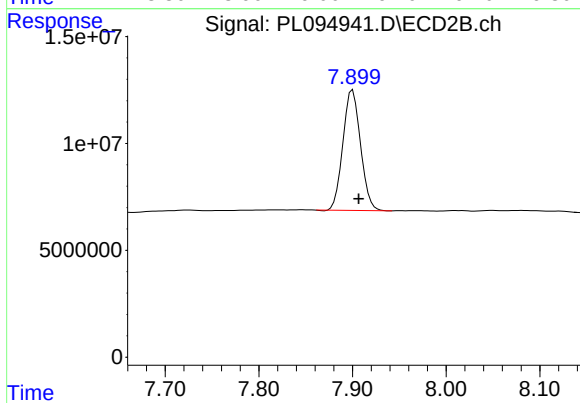
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 71505783
Conc: 20.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 42187632
Conc: 20.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 73692071
Conc: 18.24 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:	Q1664-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.9 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094942.D	1	03/28/25 08:53	03/28/25 15:41	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		20 - 144	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		19 - 148	105%	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:	Q1664-17		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.9	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094942.D	1	03/28/25 08:53	03/28/25 15:41	PB167367

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\PL032825\
 Data File : PL094942.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 15:41
 Operator : AR\AJ
 Sample : Q1664-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:16:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.769	56632146	74668071	20.007	20.920
28)	SA Decachlor...	9.052	7.902	43582812	80262813	20.680	19.870

Target Compounds

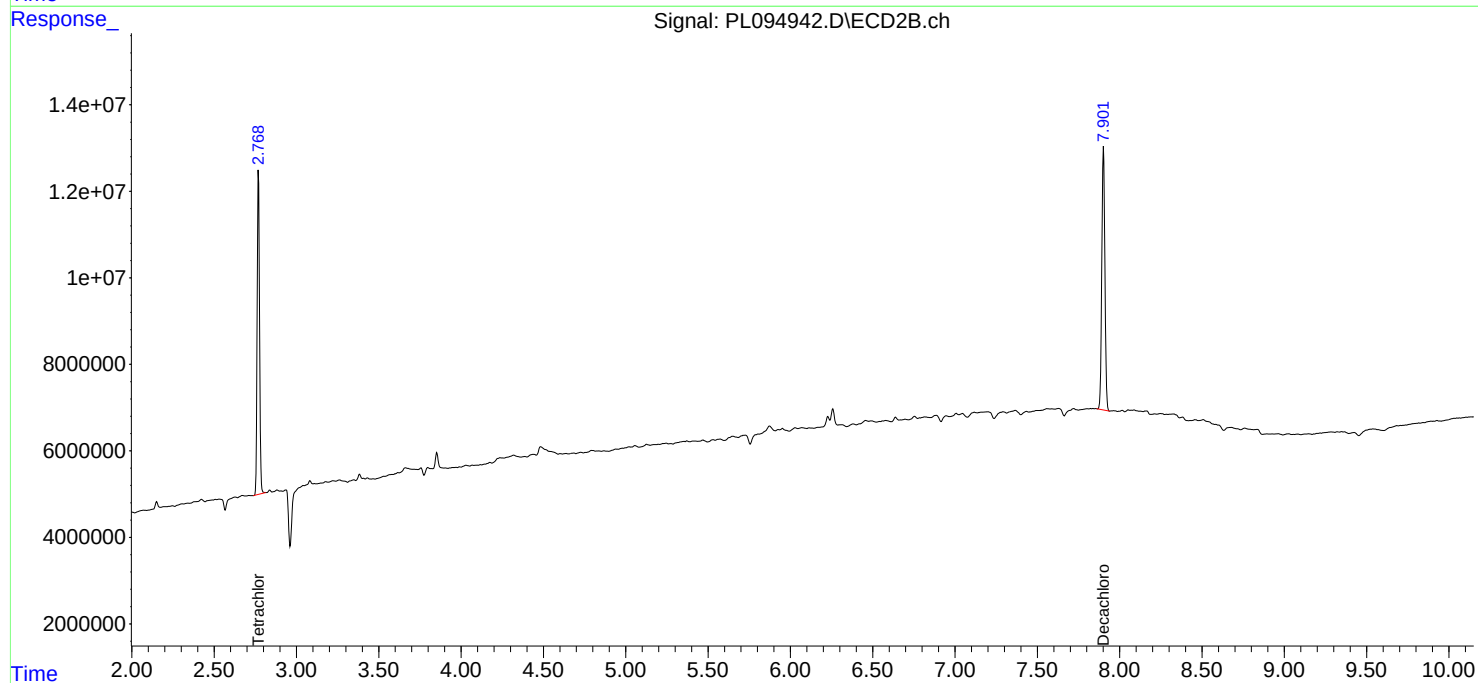
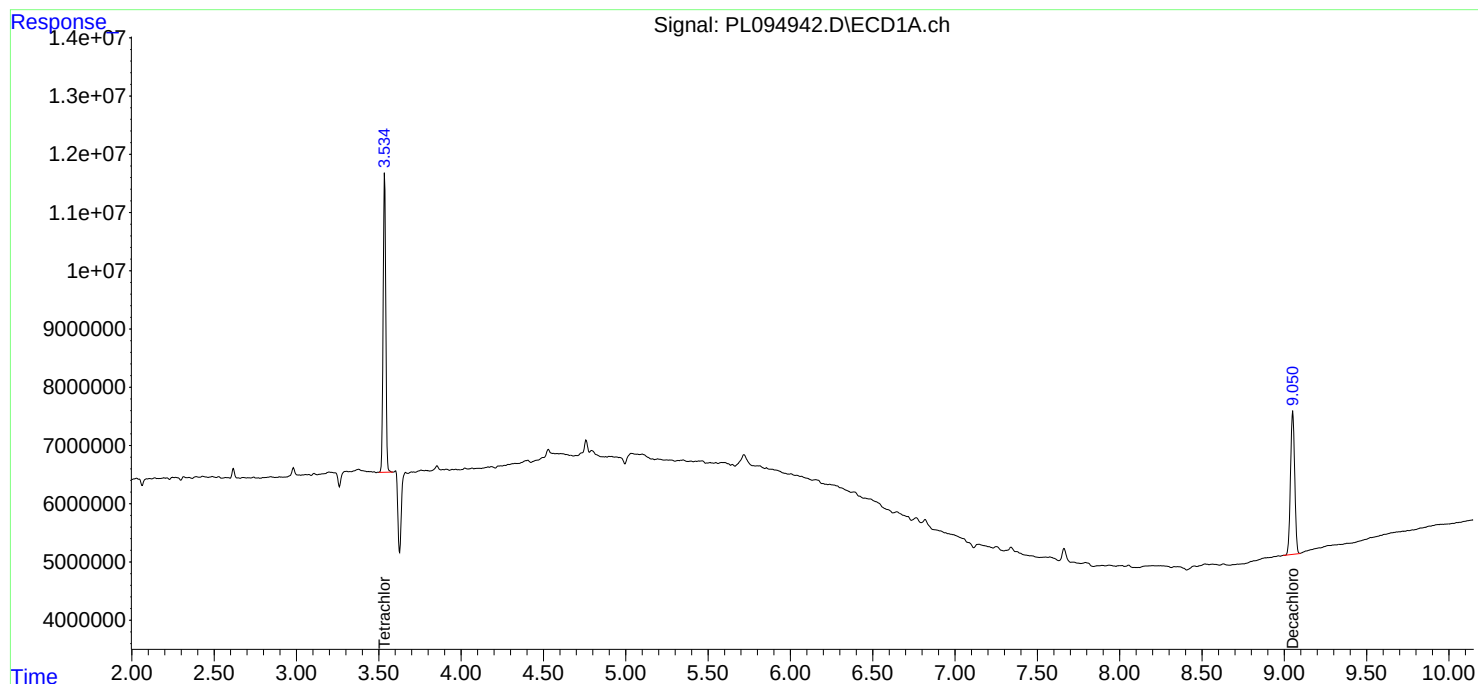
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

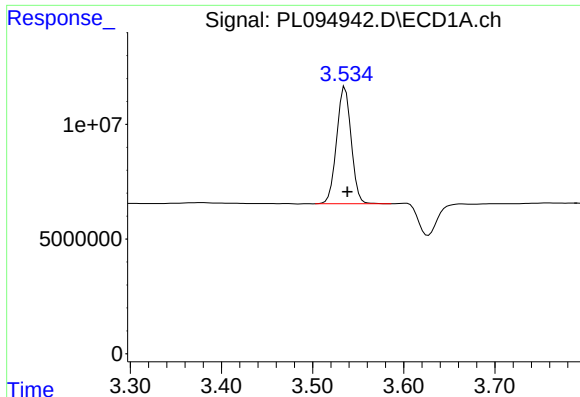
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:41
Operator : AR\AJ
Sample : Q1664-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

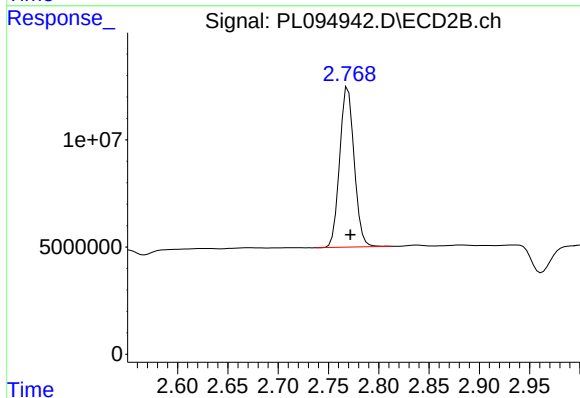




#1 Tetrachloro-m-xylene

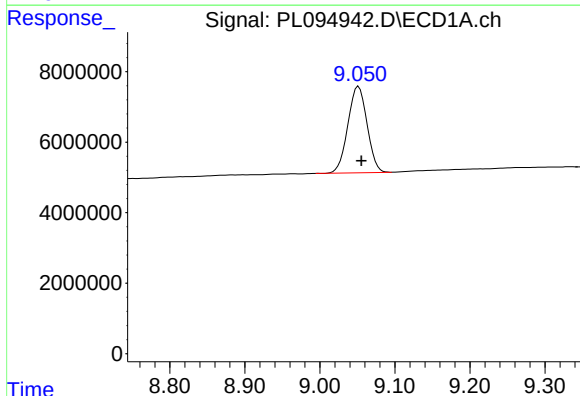
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 56632146
Conc: 20.01 ng/ml

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



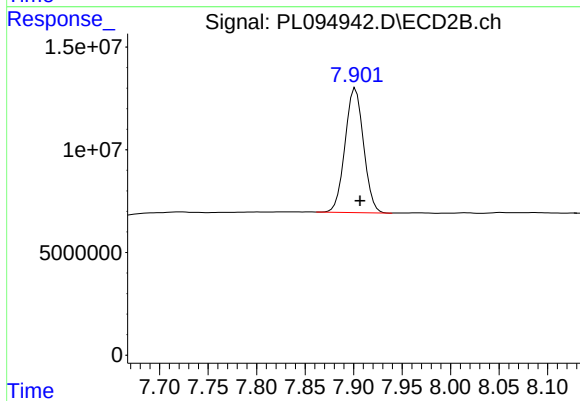
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 74668071
Conc: 20.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 43582812
Conc: 20.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 80262813
Conc: 19.87 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:	Q1664-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094943.D	1	03/28/25 08:53	03/28/25 15:54	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		19 - 148	105%	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:	Q1664-19		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	92.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094943.D	1	03/28/25 08:53	03/28/25 15:54	PB167367

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\PL032825\
Data File : PL094943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:54
Operator : AR\AJ
Sample : Q1664-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:59 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	56558137	75039612	19.980	21.024
28) SA Decachlor...	9.050	7.902	42026504	77802835	19.942	19.261

Target Compounds

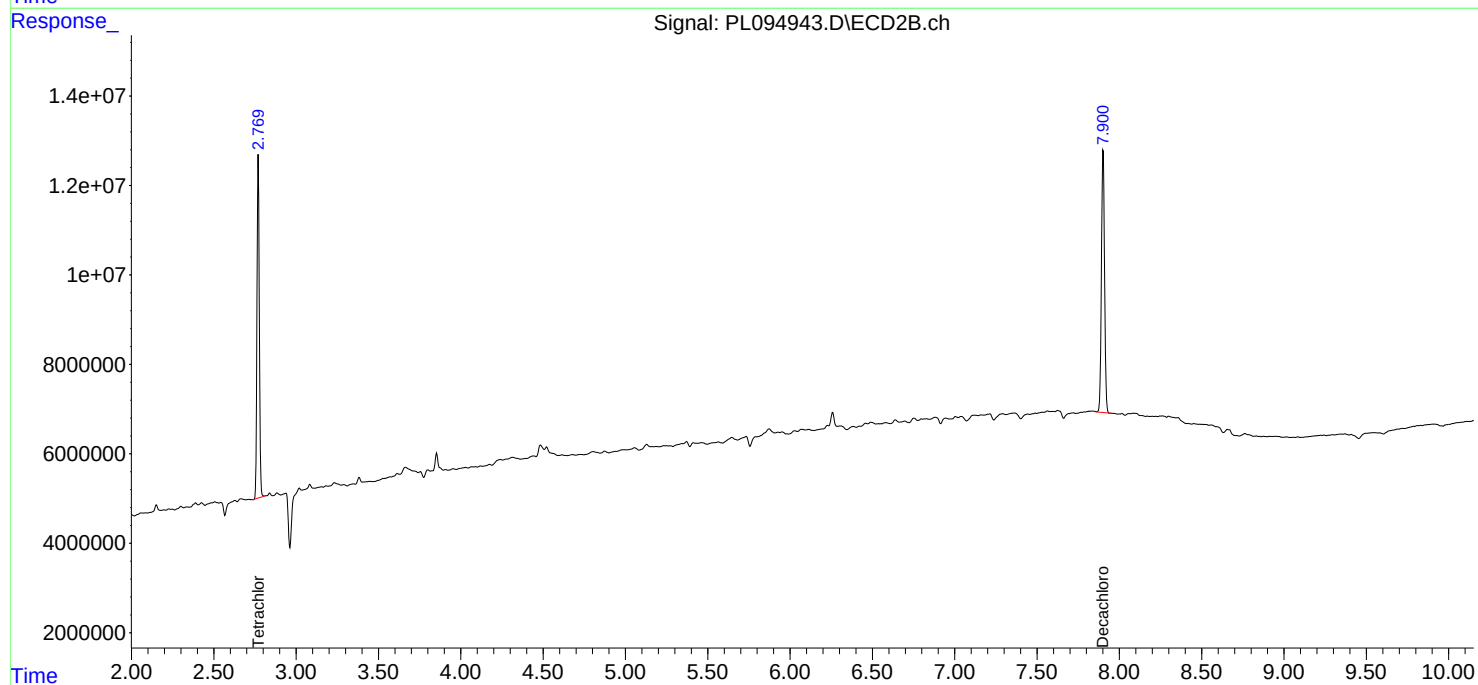
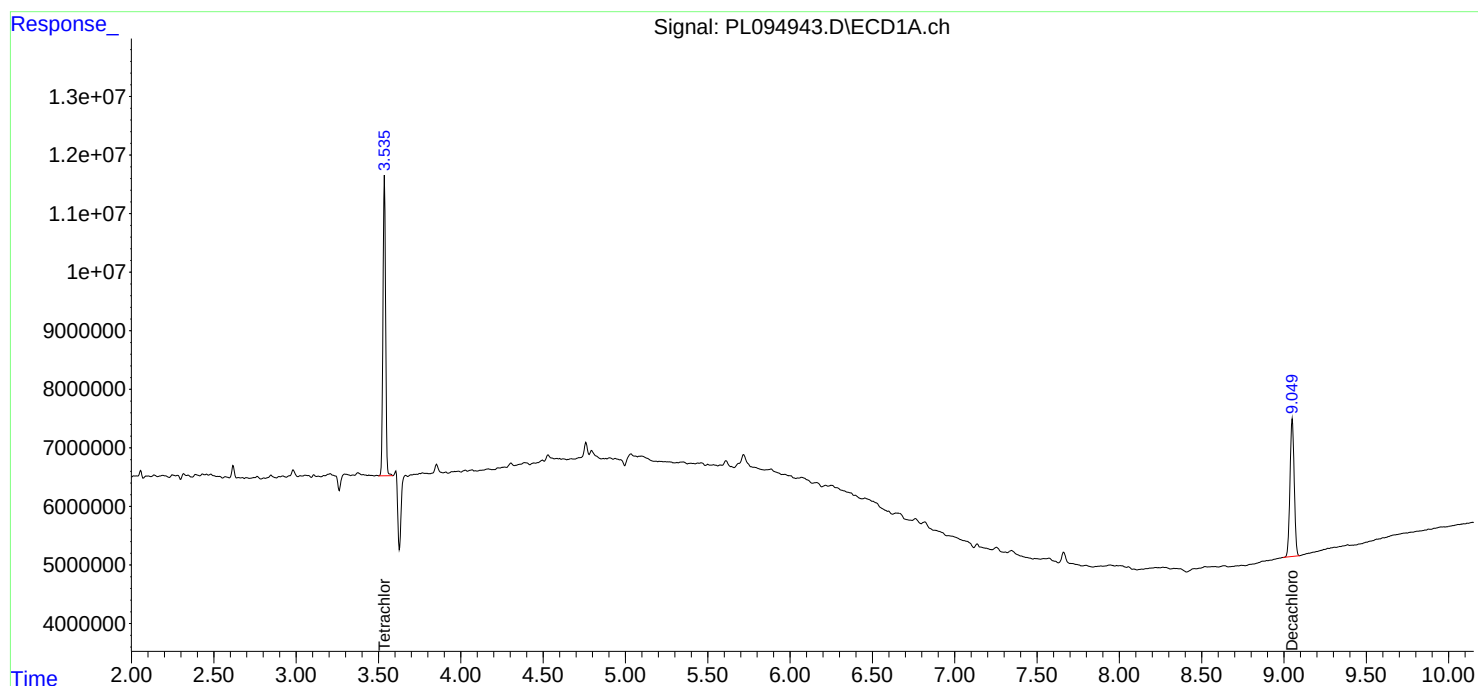
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

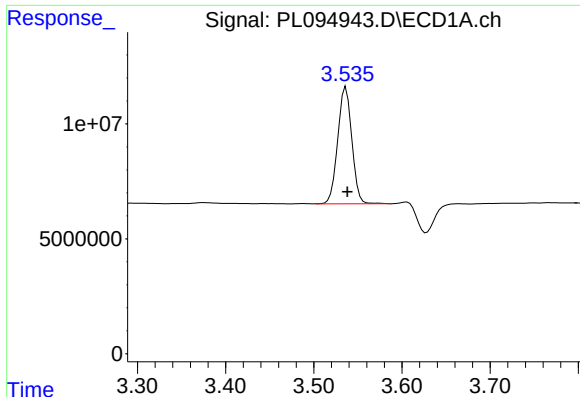
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 15:54
Operator : AR\AJ
Sample : Q1664-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:16:59 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

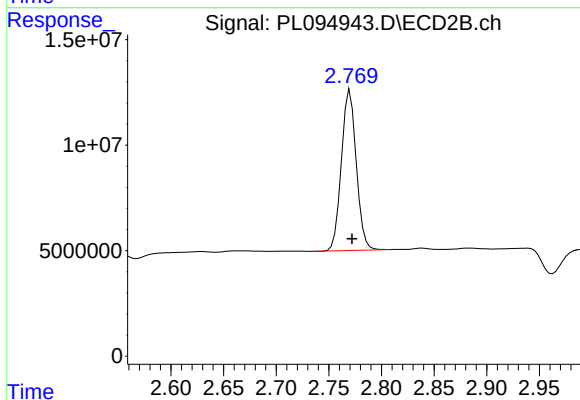




#1 Tetrachloro-m-xylene

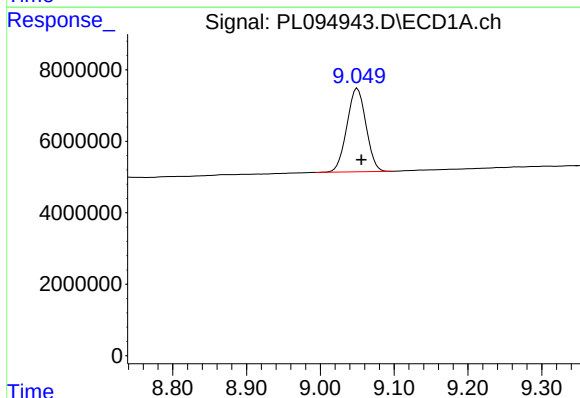
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 56558137
Conc: 19.98 ng/ml

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



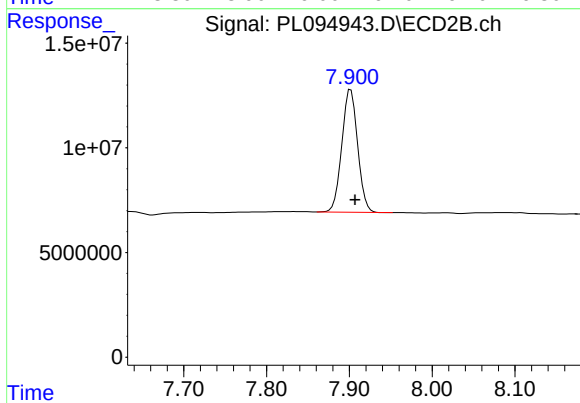
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 75039612
Conc: 21.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 42026504
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 77802835
Conc: 19.26 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:	Q1664-21		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094944.D	1	03/28/25 08:53	03/28/25 16:08	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		19 - 148	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-008-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-21		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	94	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094944.D	1	03/28/25 08:53	03/28/25 16:08	PB167367

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\PL032825\
 Data File : PL094944.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 16:08
 Operator : AR\AJ
 Sample : Q1664-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:17:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.769	58326141	77605125	20.605m	21.743
28) SA Decachlor...	9.050	7.901	44575649	80061131	21.151	19.820

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 16:08
Operator : AR\AJ
Sample : Q1664-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

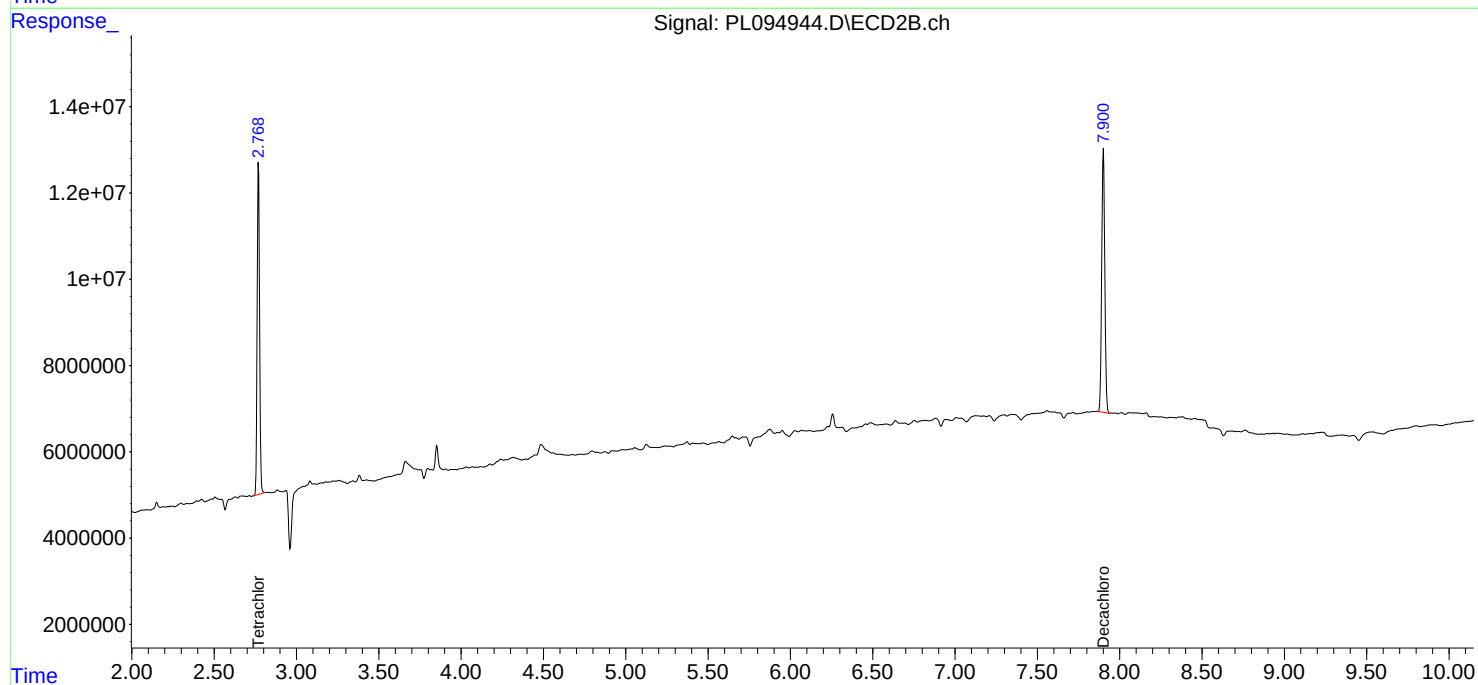
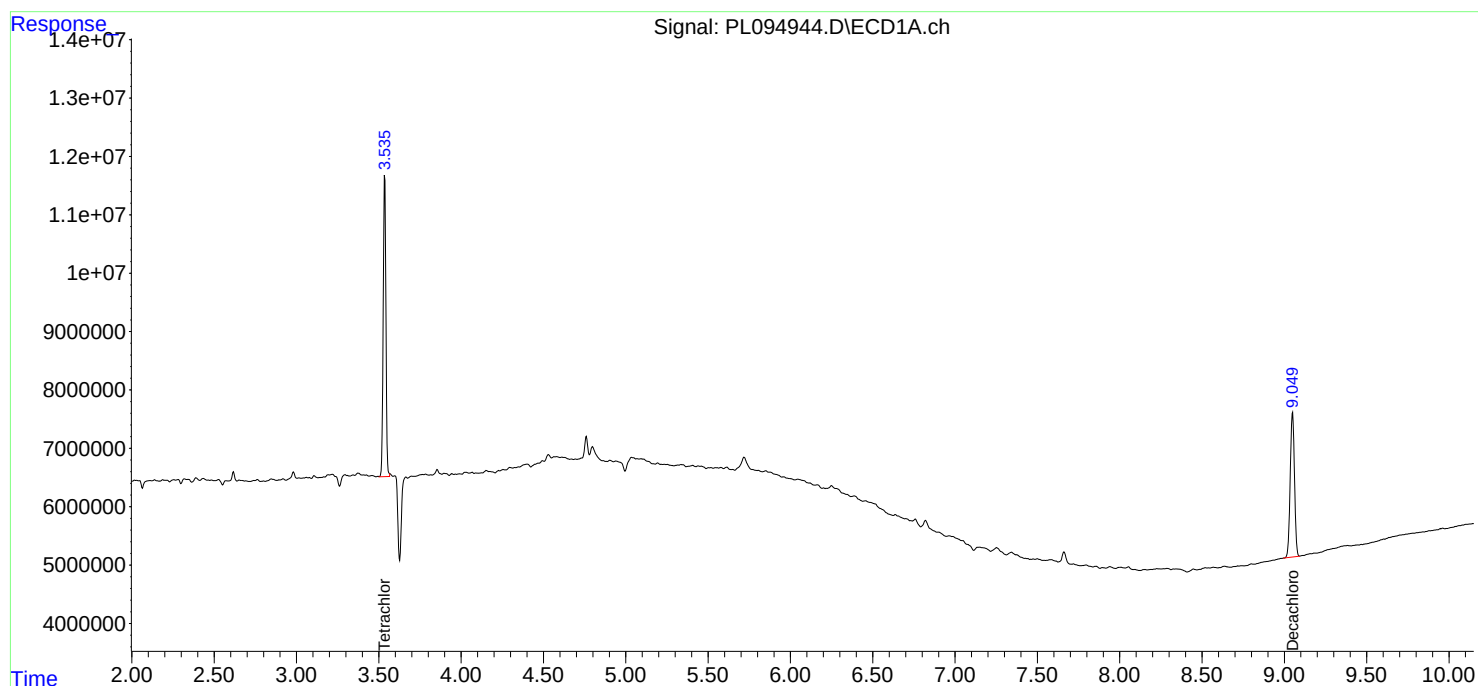
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-008-01

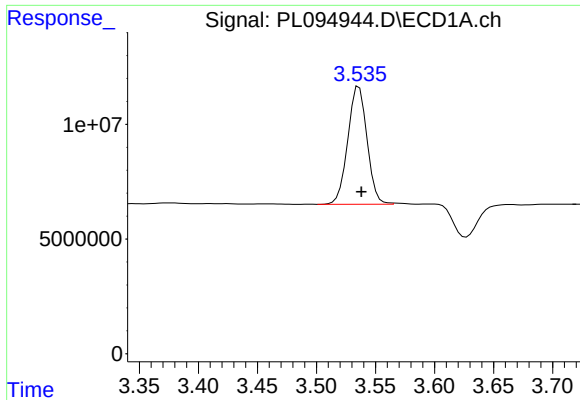
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/31/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:17:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





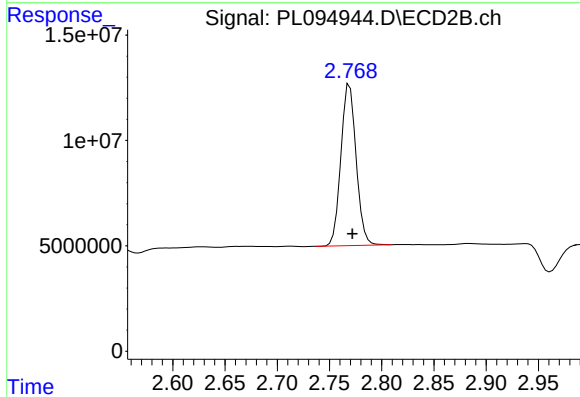
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 58326141
Conc: 20.61 ng/ml

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

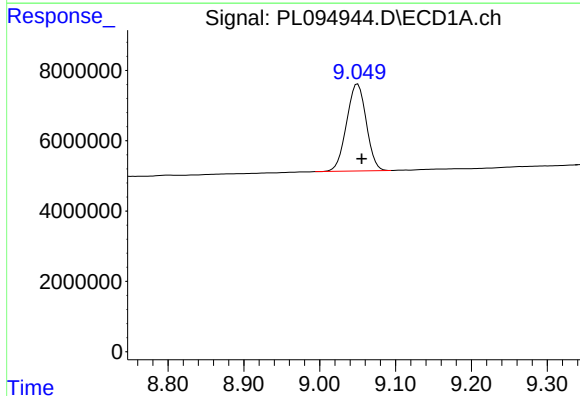
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



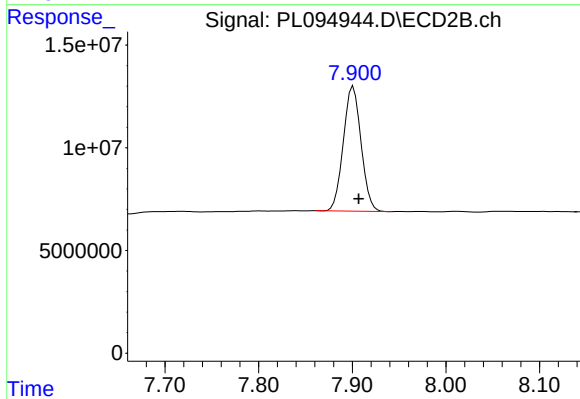
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 77605125
Conc: 21.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 44575649
Conc: 21.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 80061131
Conc: 19.82 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: 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

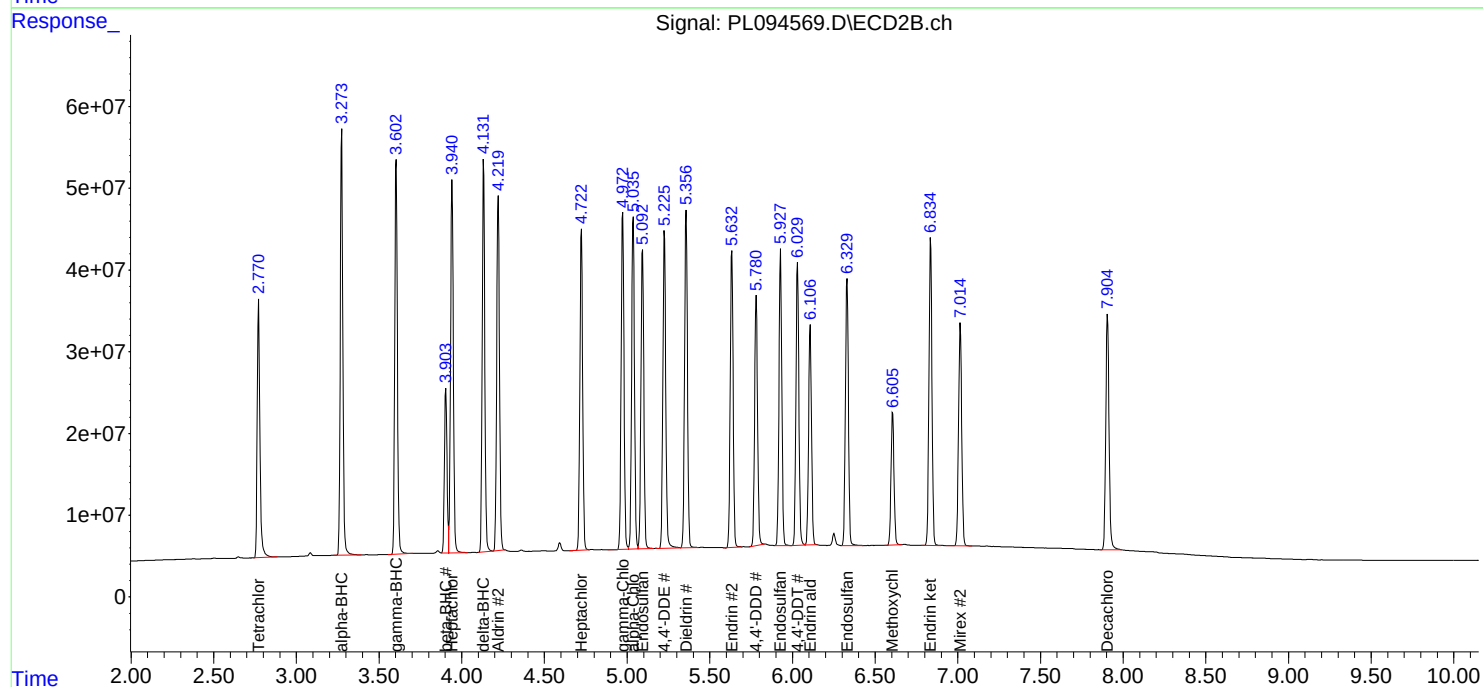
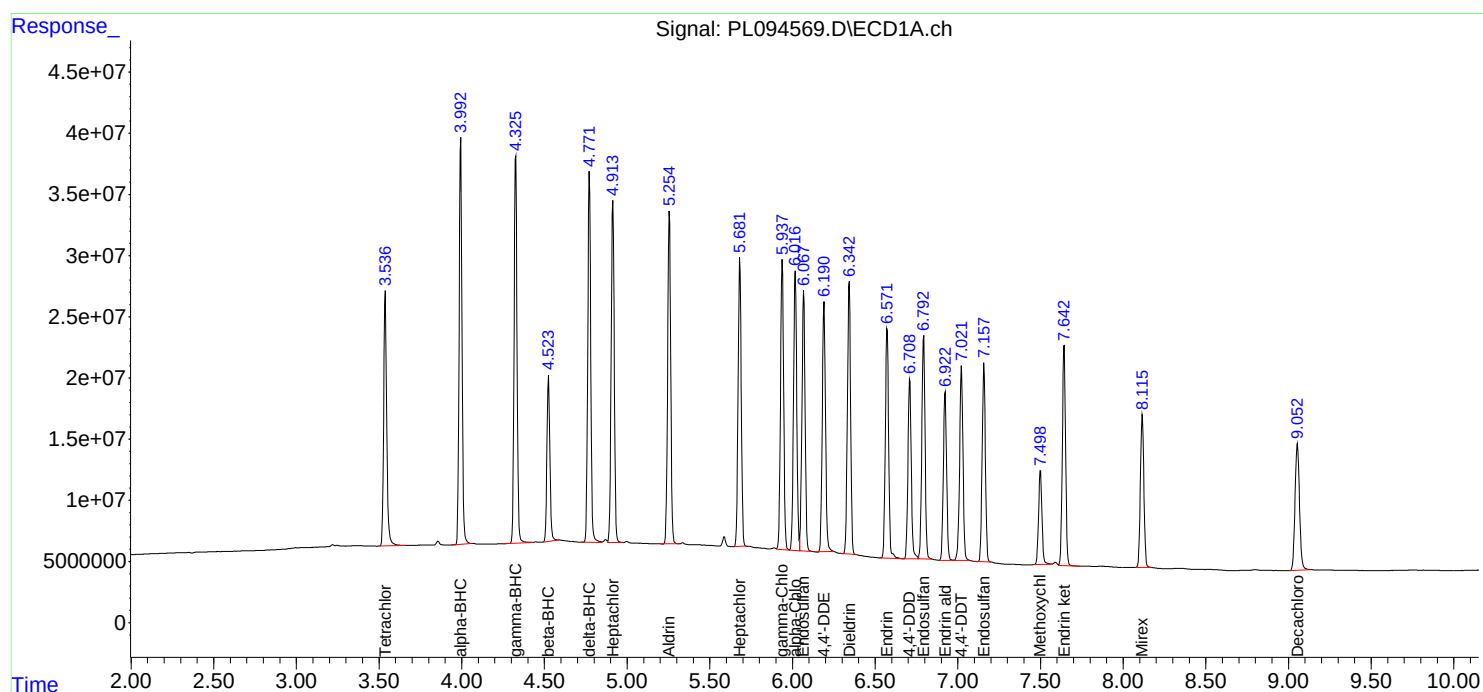
Manual Integrations

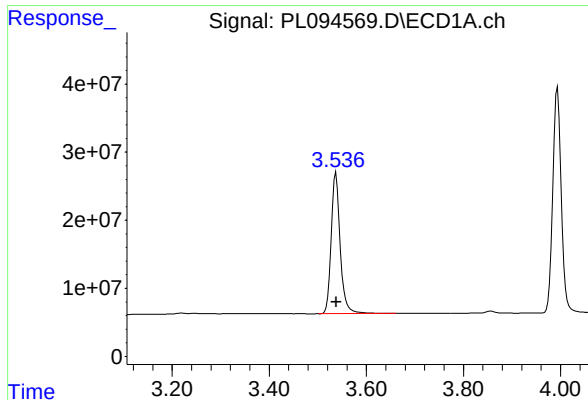
APPROVED

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





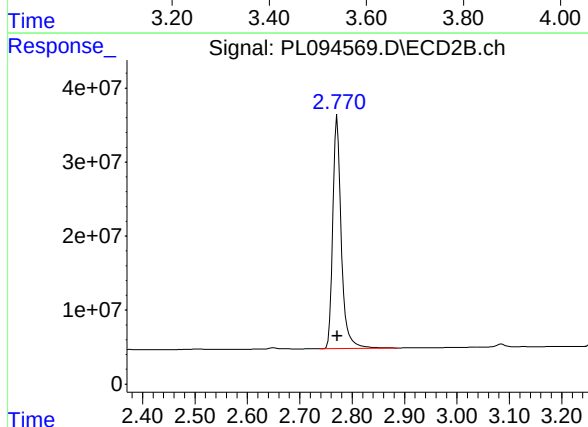
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

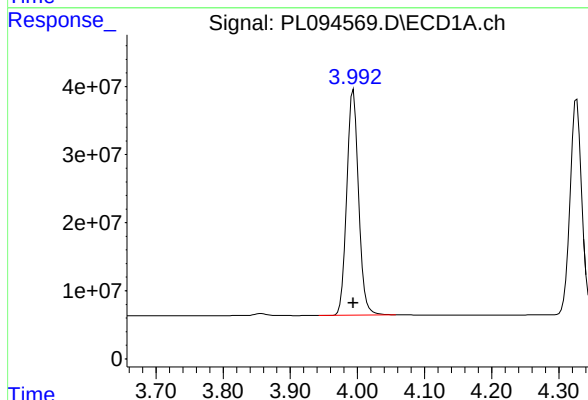
Manual Integrations
APPROVED

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



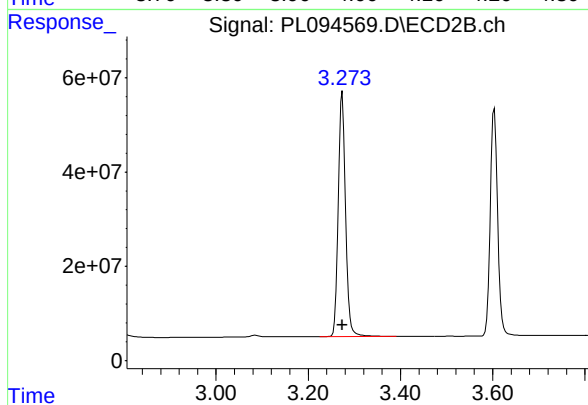
#1 Tetrachloro-m-xylene

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



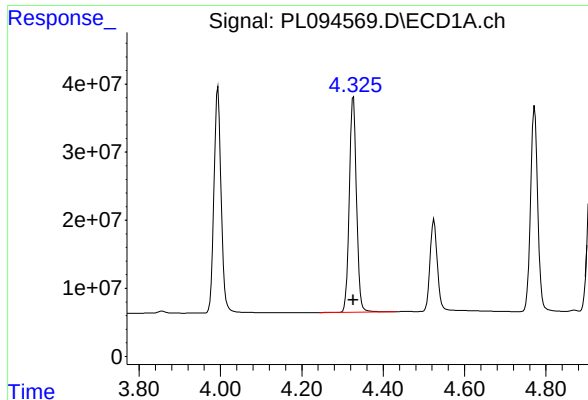
#2 alpha-BHC

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



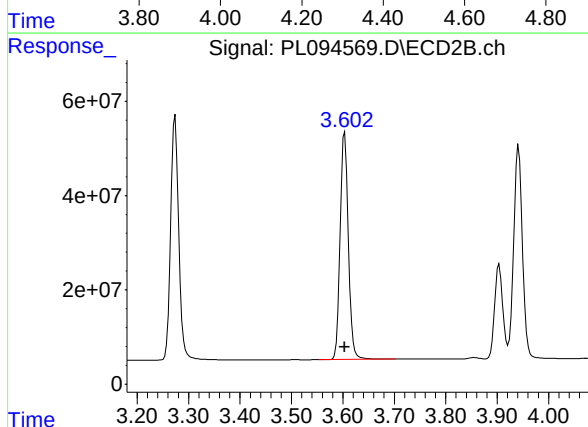
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

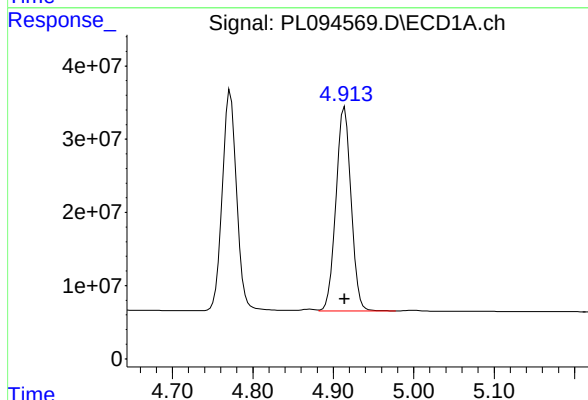
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



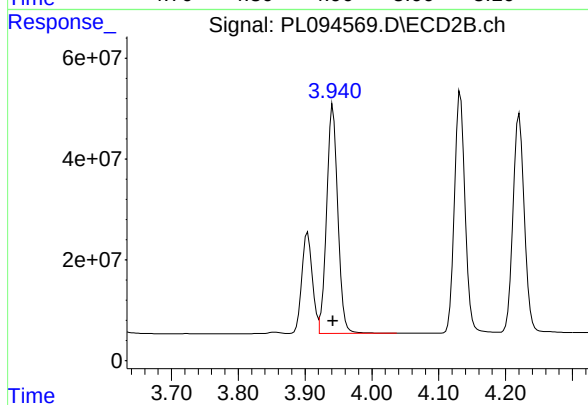
#3 gamma-BHC (Lindane)

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



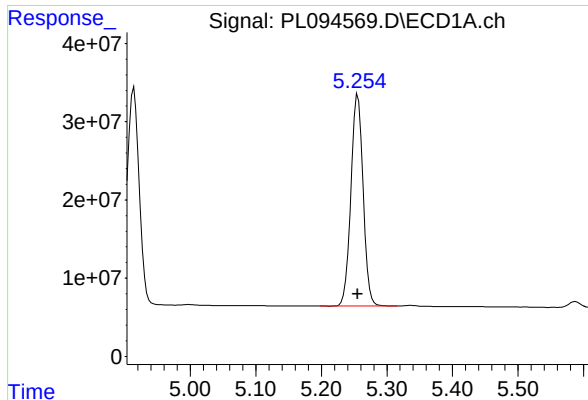
#4 Heptachlor

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



#4 Heptachlor

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



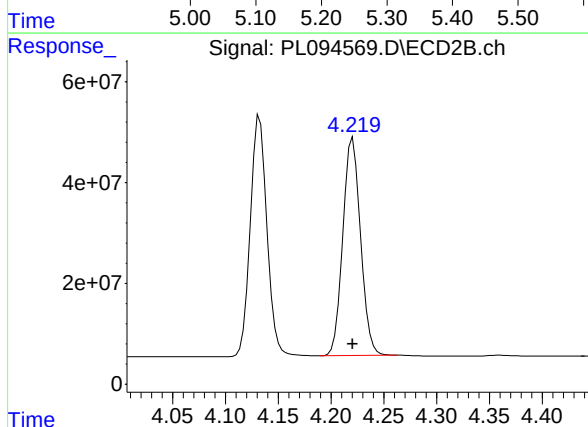
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

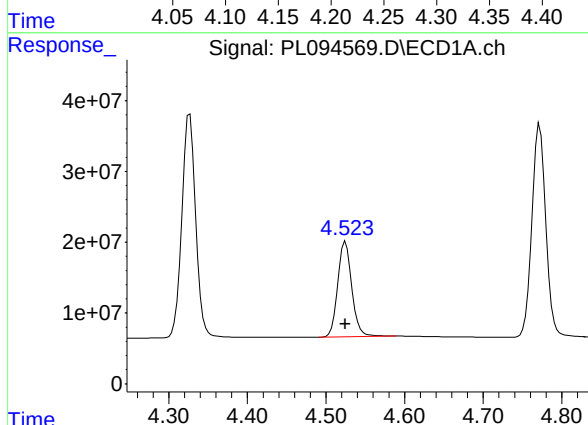
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



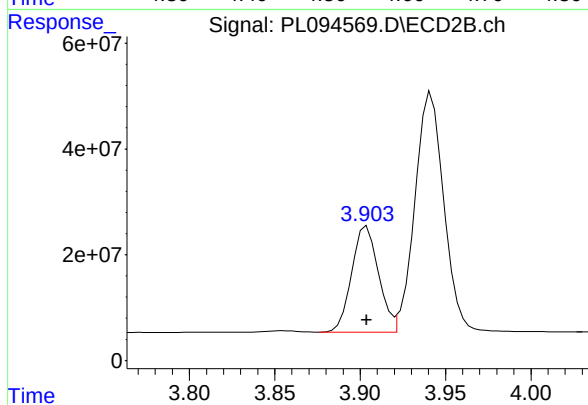
#5 Aldrin

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



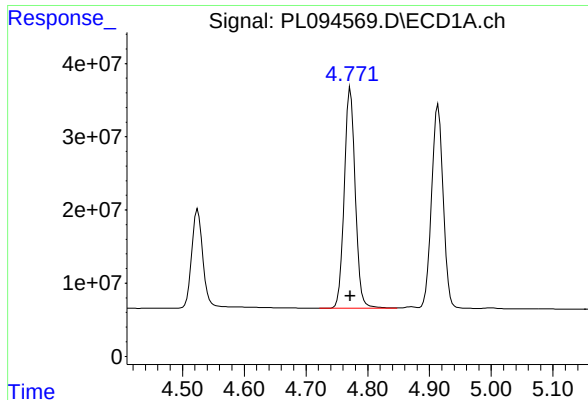
#6 beta-BHC

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



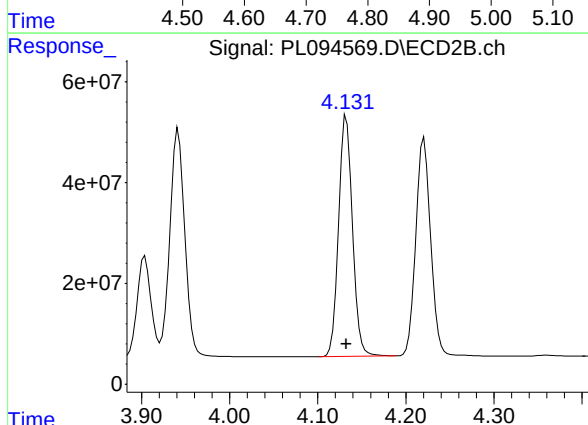
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

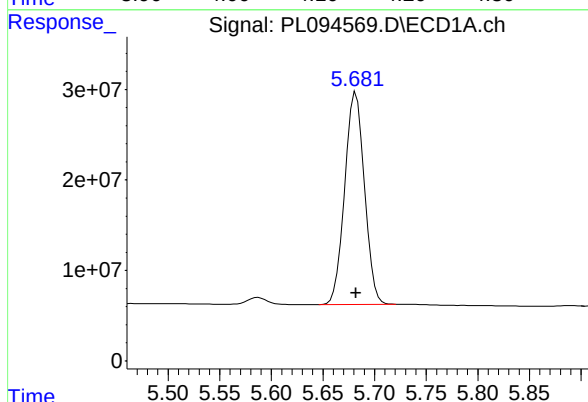
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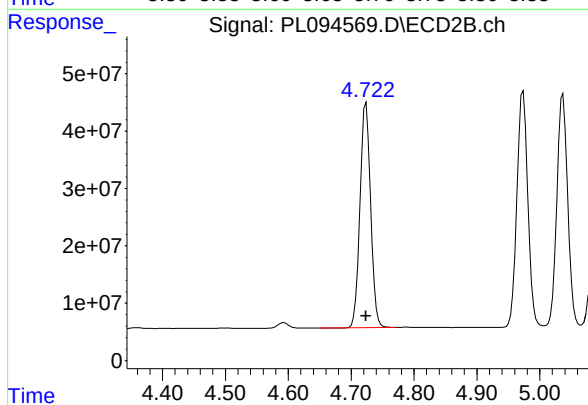
#7 delta-BHC

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



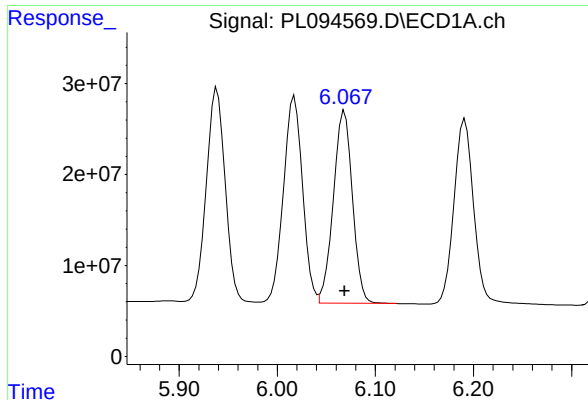
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



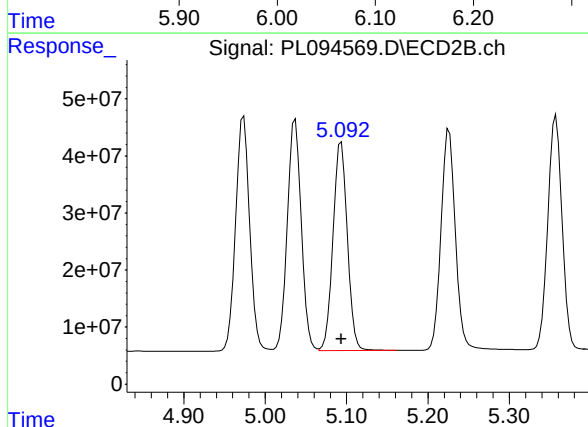
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

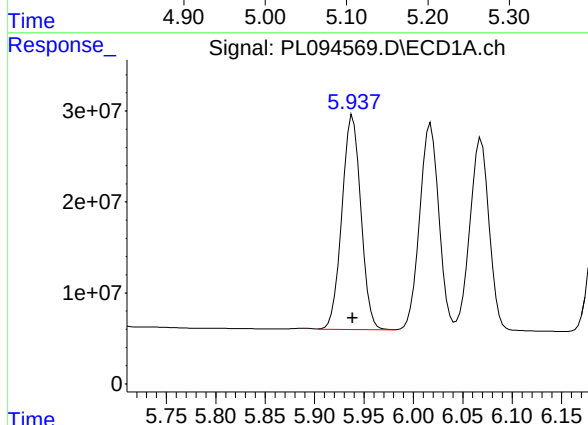
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



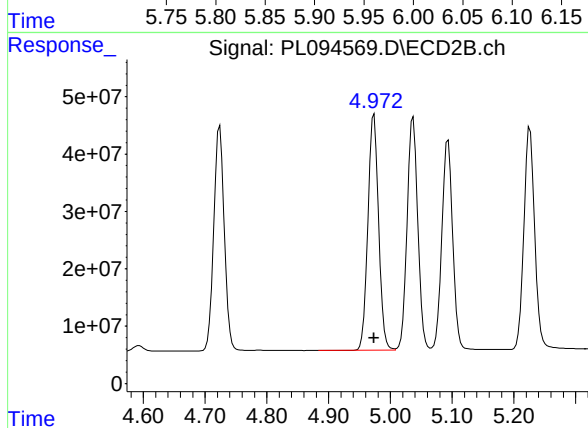
#9 Endosulfan I

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



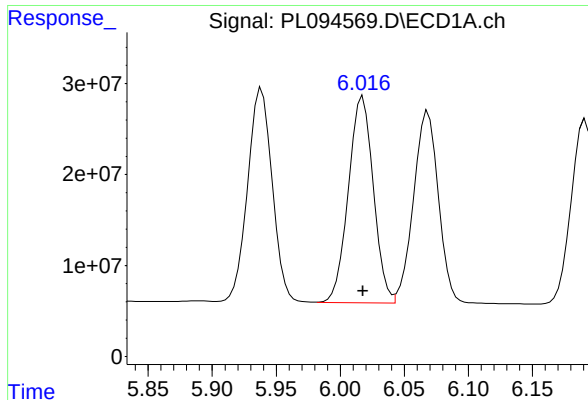
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



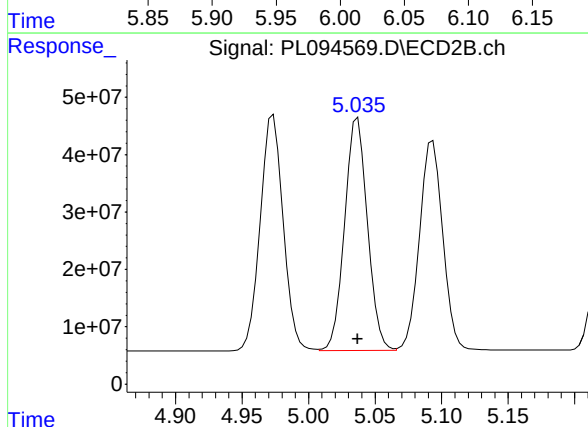
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

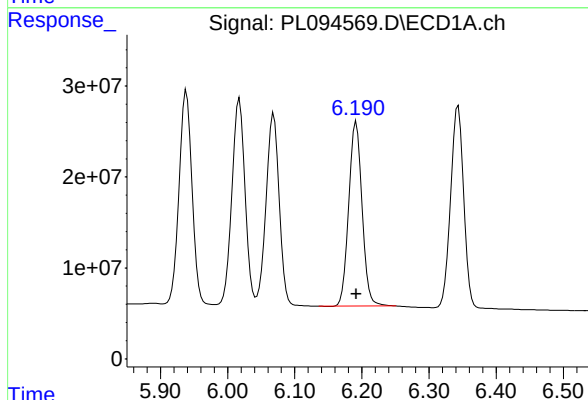
Manual Integrations
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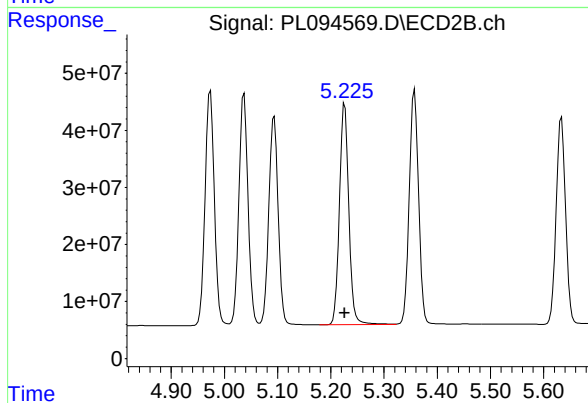
#11 alpha-Chlordane

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



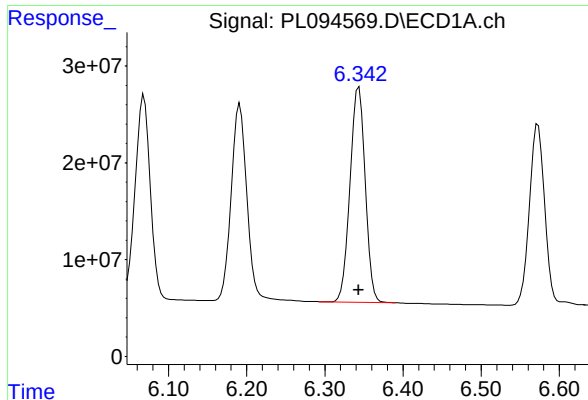
#12 4,4'-DDE

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



#12 4,4'-DDE

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



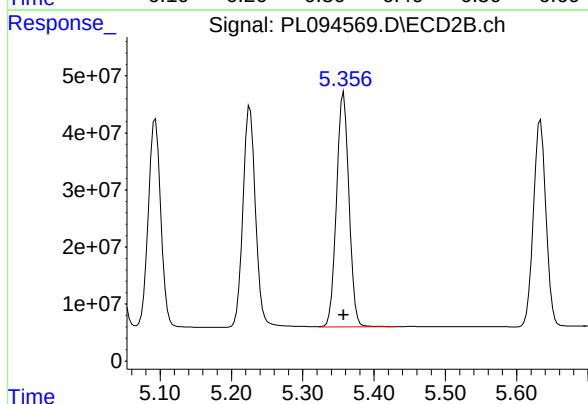
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

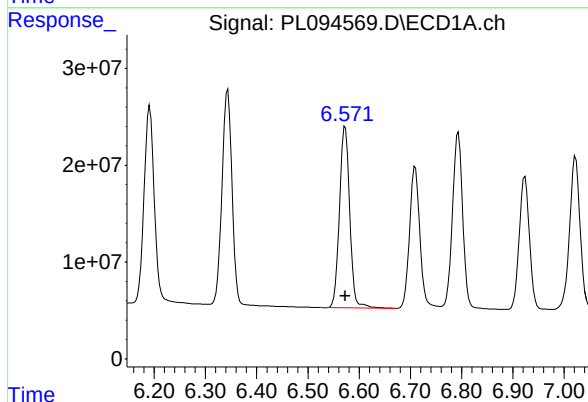
Manual Integrations
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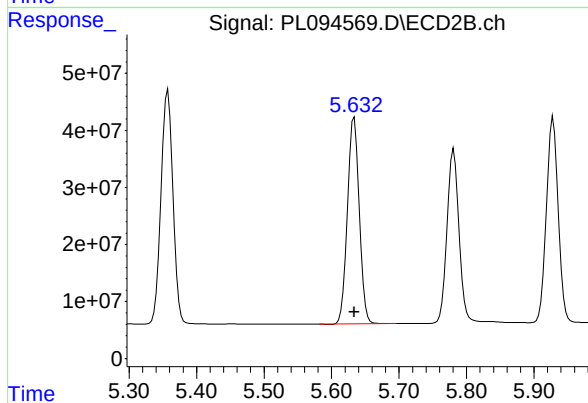
#13 Dieldrin

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



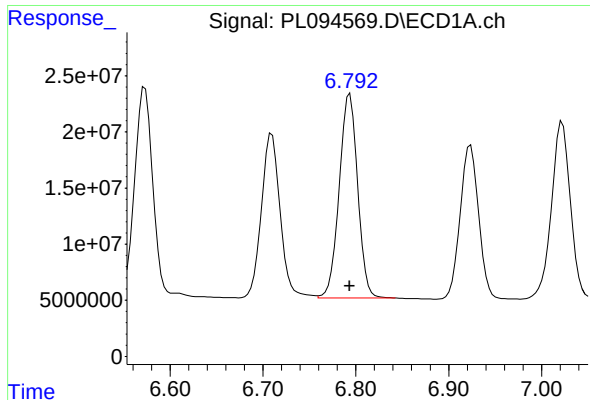
#14 Endrin

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



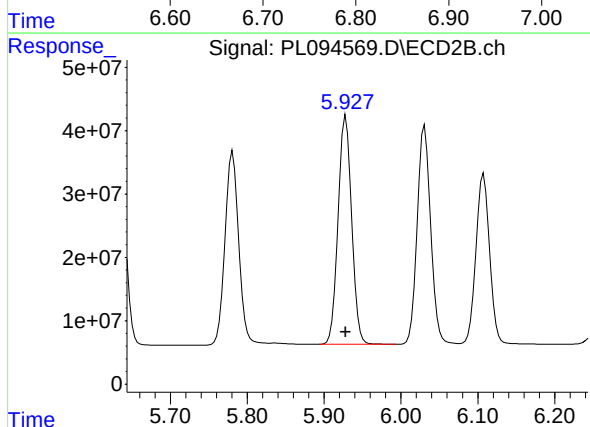
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

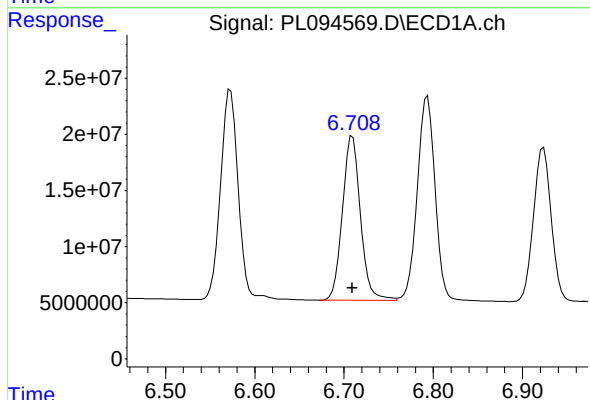
Manual Integrations
APPROVED

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



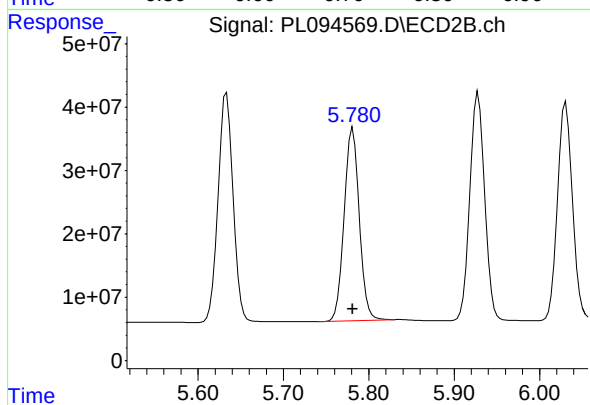
#15 Endosulfan II

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



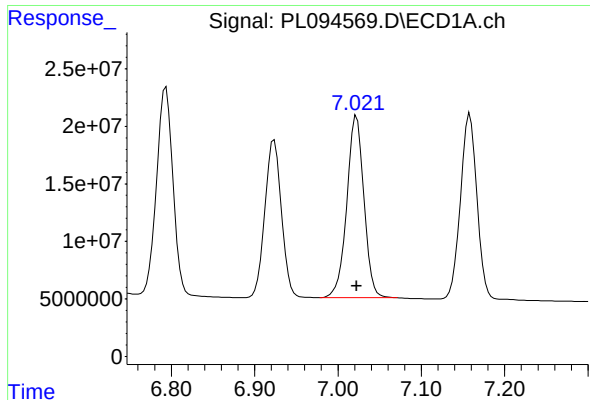
#16 4,4'-DDD

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



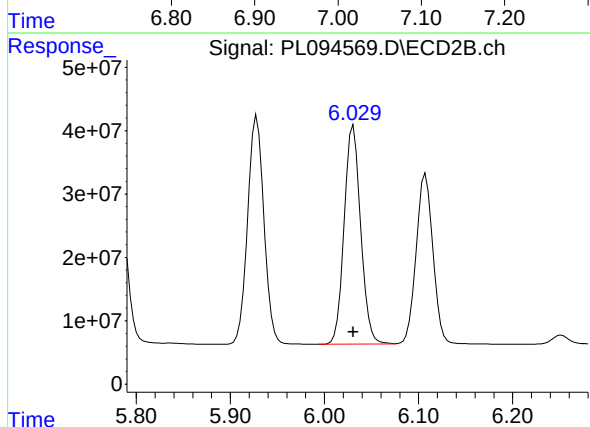
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

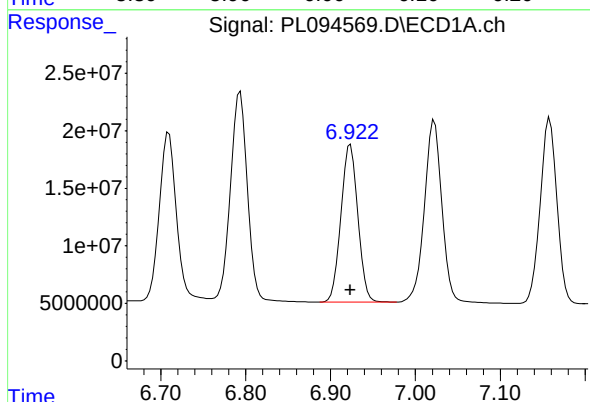
Manual Integrations
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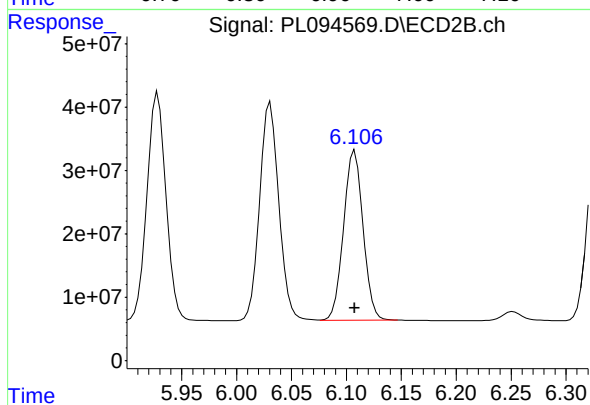
#17 4,4'-DDT

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



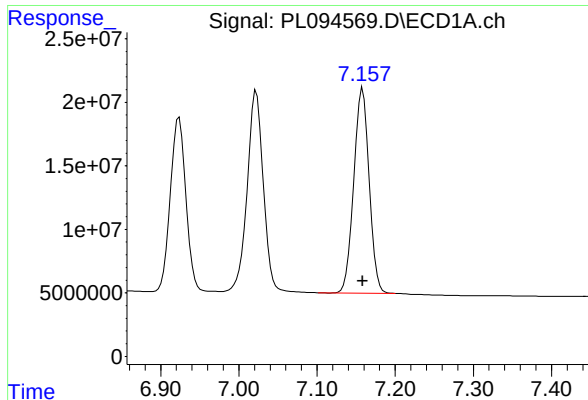
#18 Endrin aldehyde

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



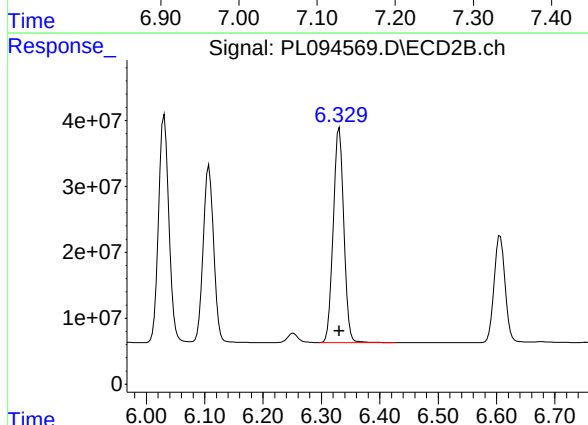
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

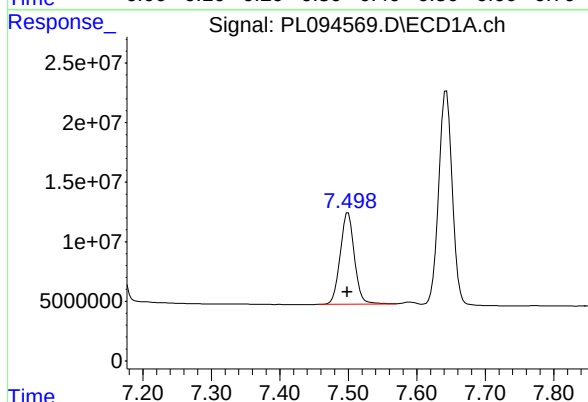
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



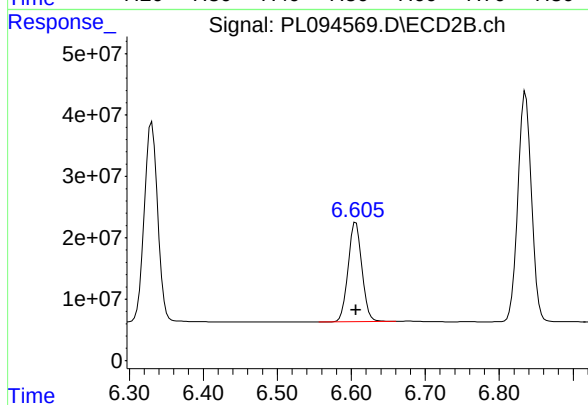
#19 Endosulfan Sulfate

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



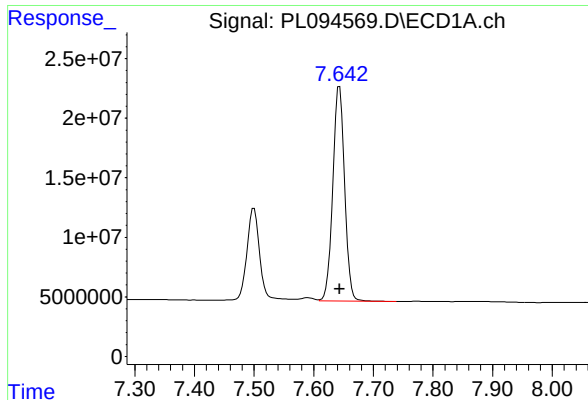
#20 Methoxychlor

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



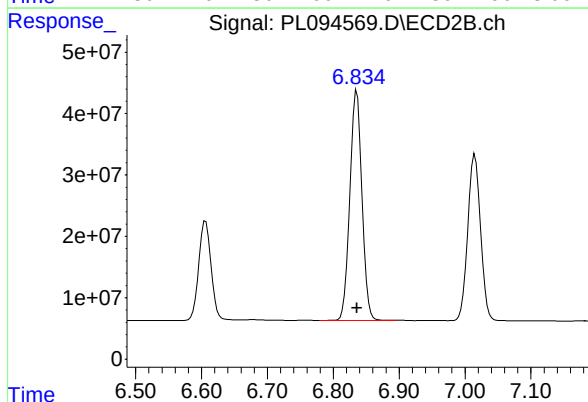
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

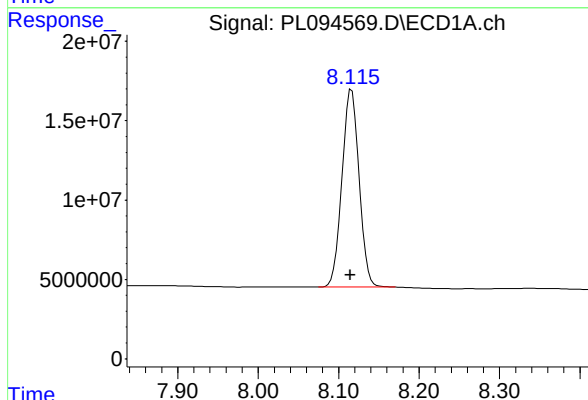
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



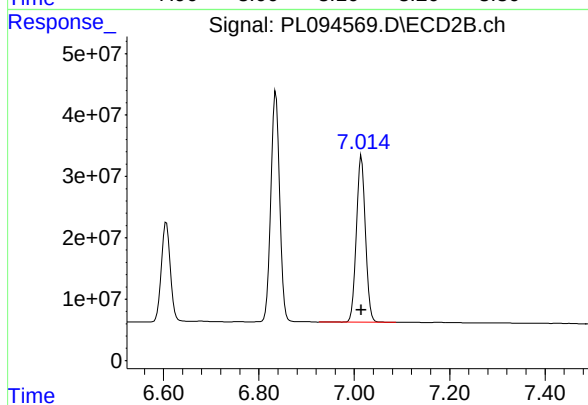
#21 Endrin ketone

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



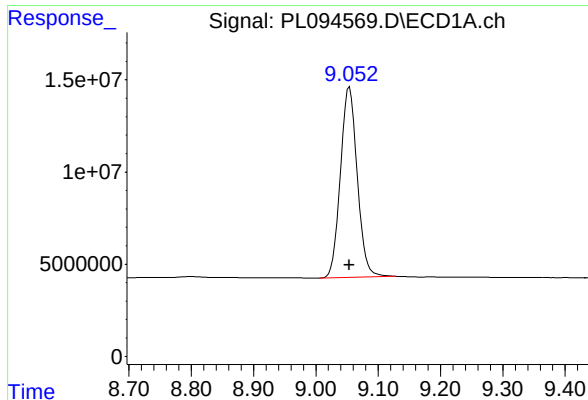
#22 Mirex

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

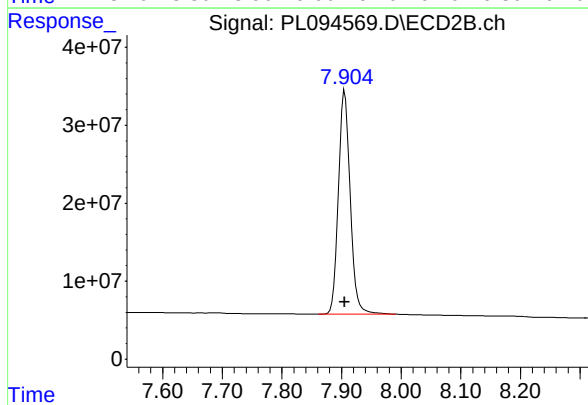
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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#28 Decachlorobiphenyl

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

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Supervised By :Ankita Jodhani 03/12/2025

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

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

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

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

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

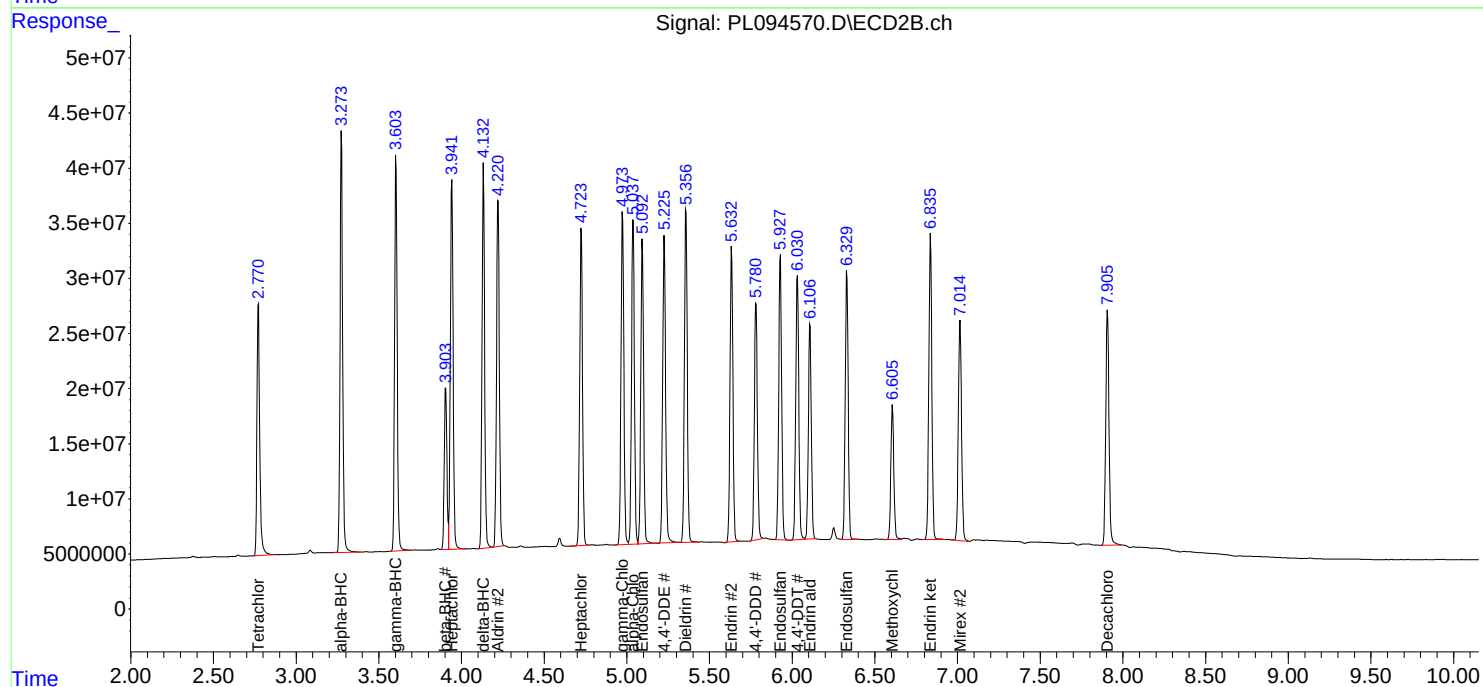
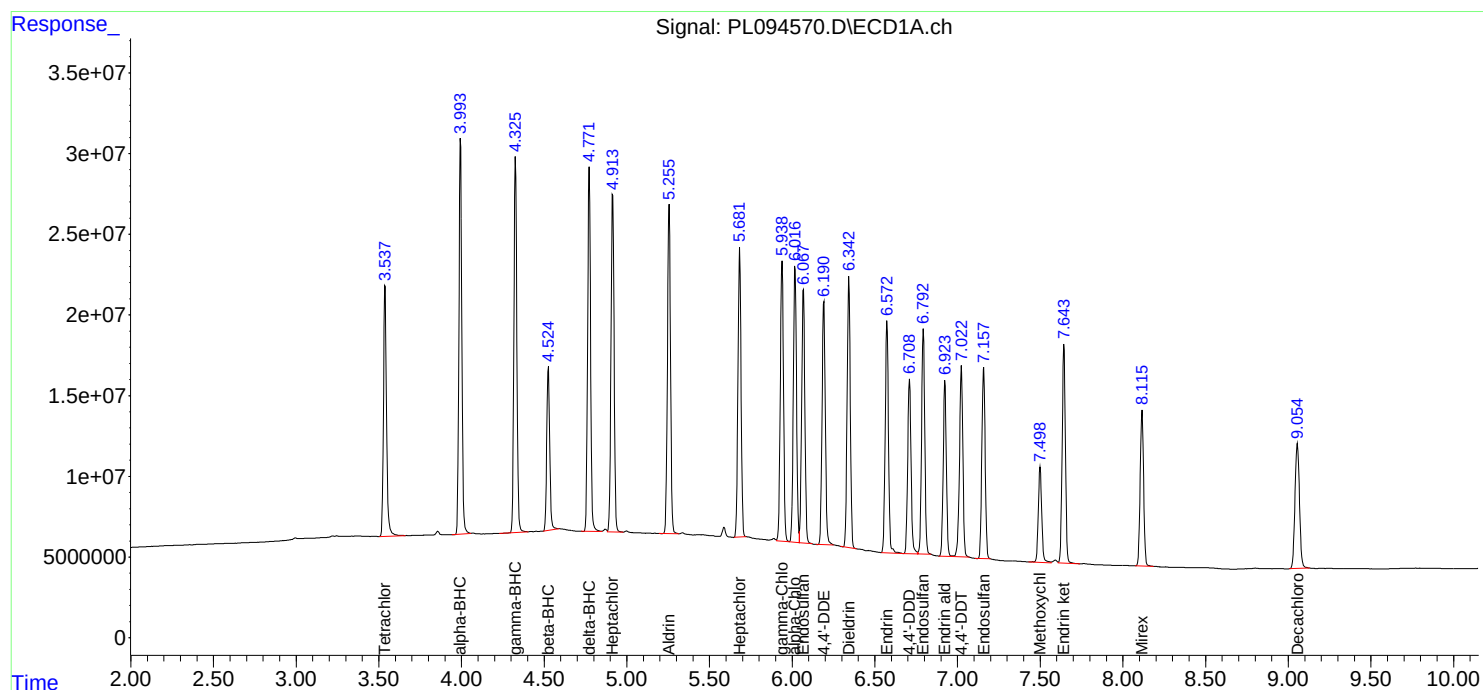
Manual Integrations

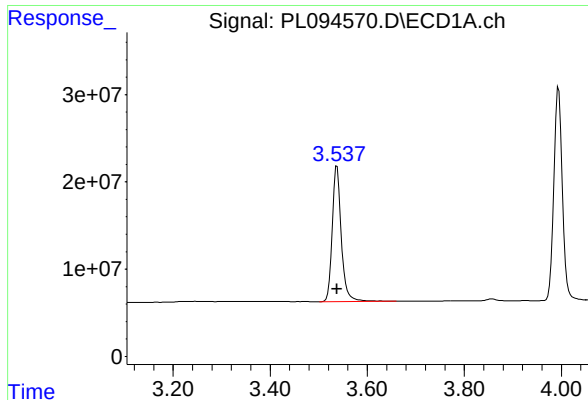
APPROVED

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





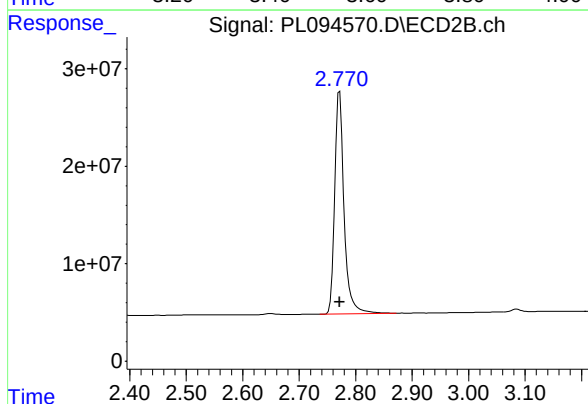
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

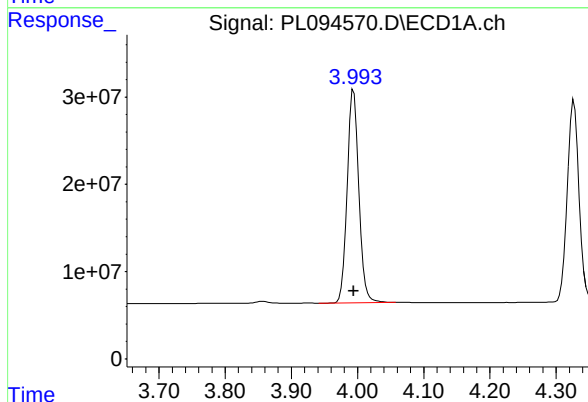
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



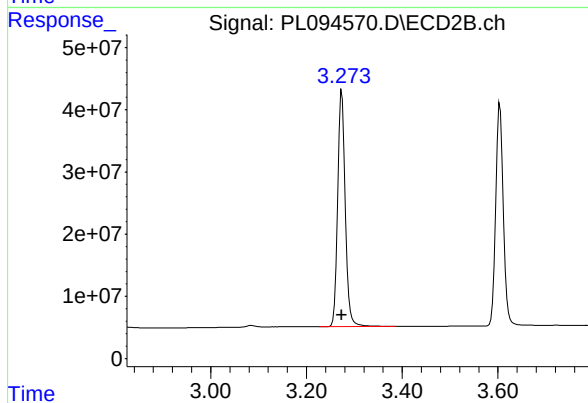
#1 Tetrachloro-m-xylene

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



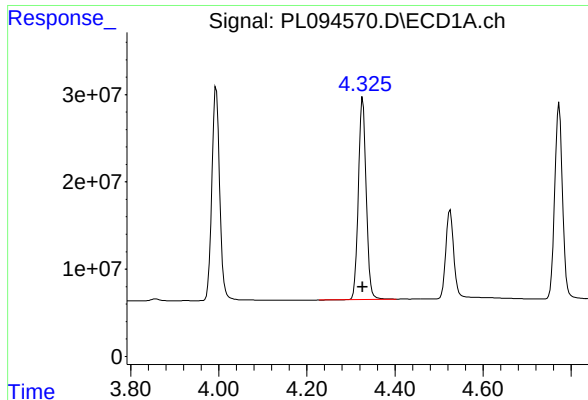
#2 alpha-BHC

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



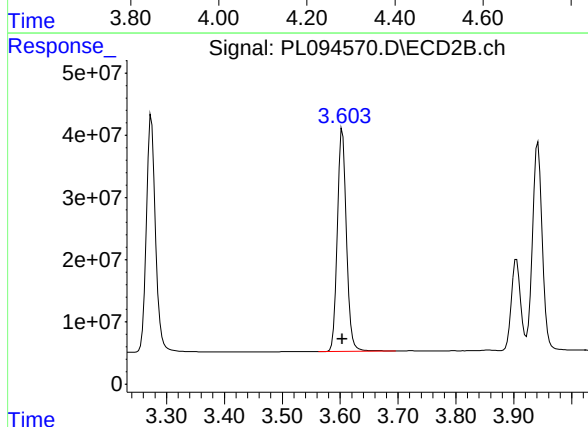
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

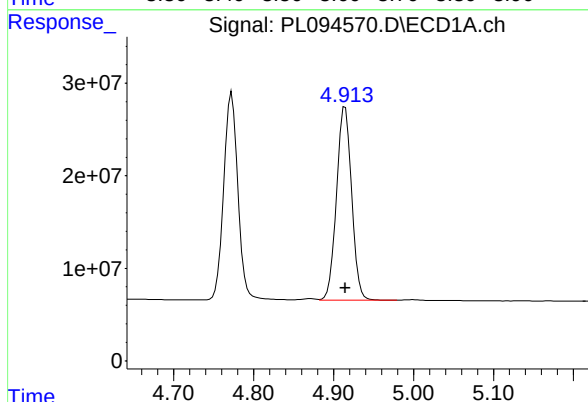
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



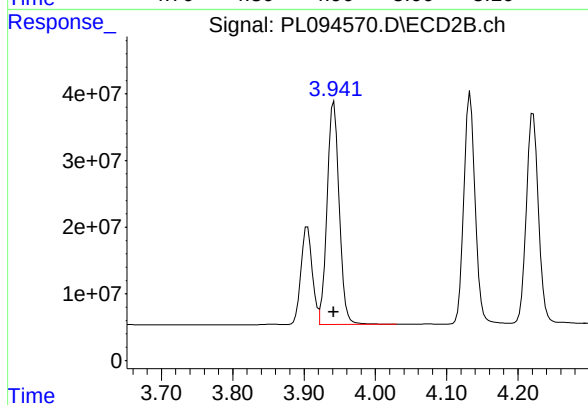
#3 gamma-BHC (Lindane)

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



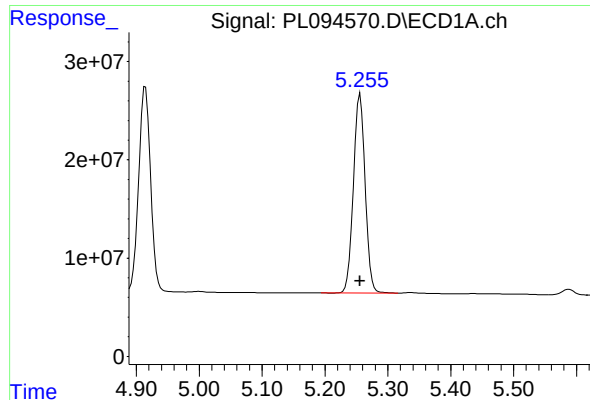
#4 Heptachlor

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



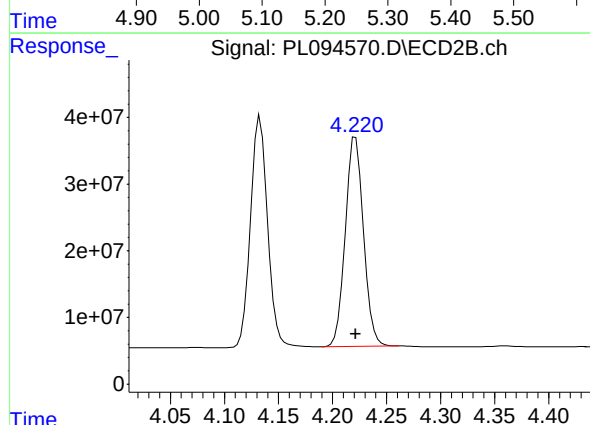
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

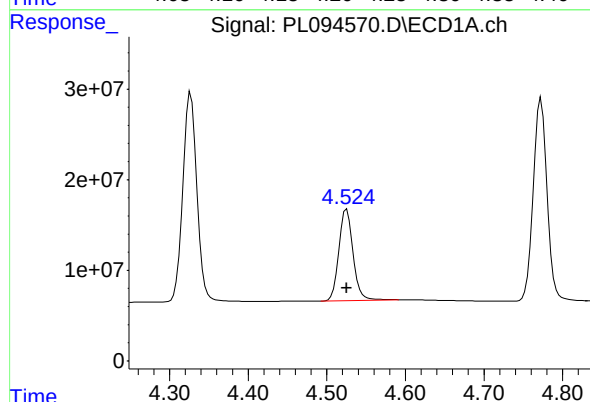
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



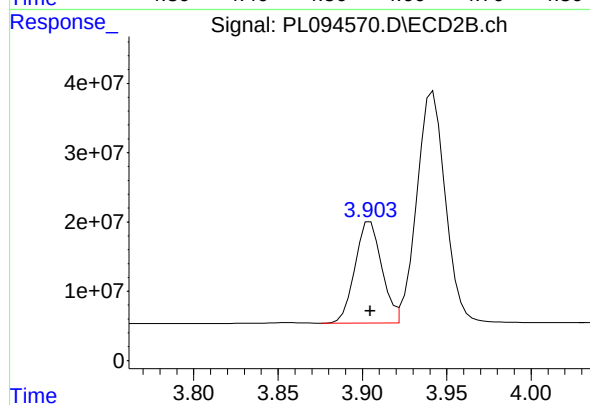
#5 Aldrin

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



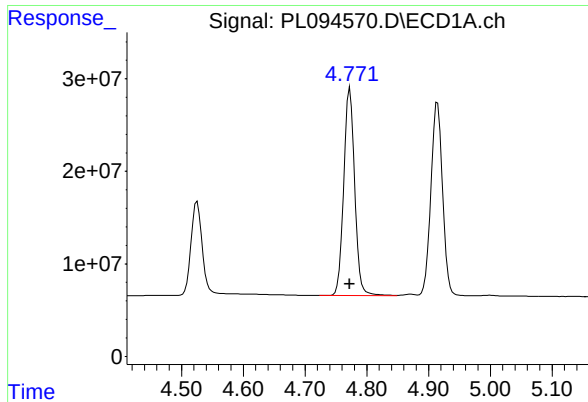
#6 beta-BHC

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



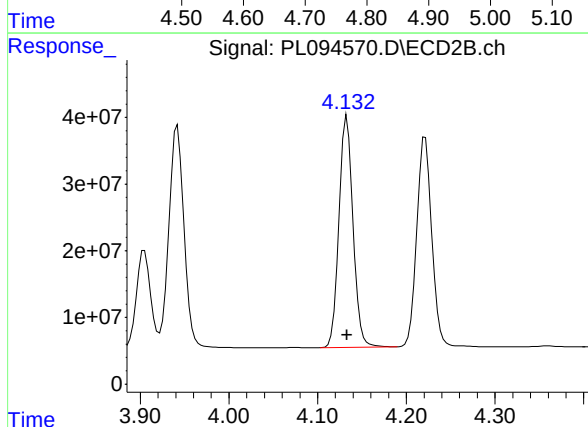
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

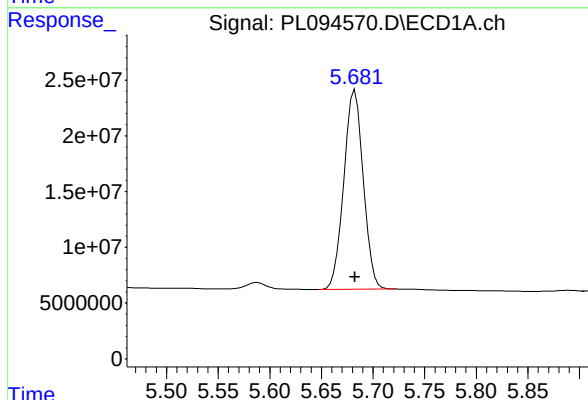
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



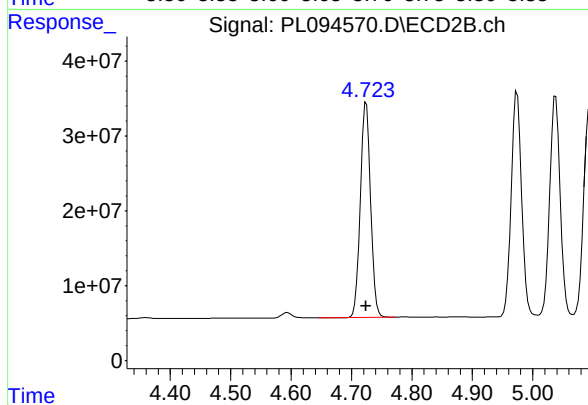
#7 delta-BHC

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



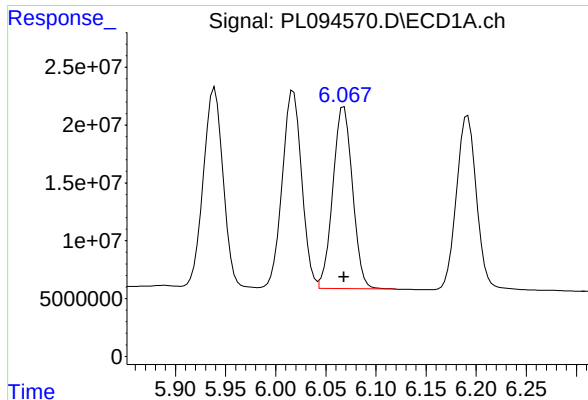
#8 Heptachlor epoxide

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



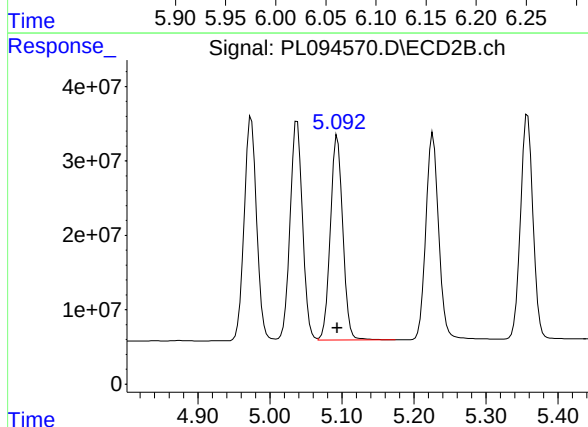
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

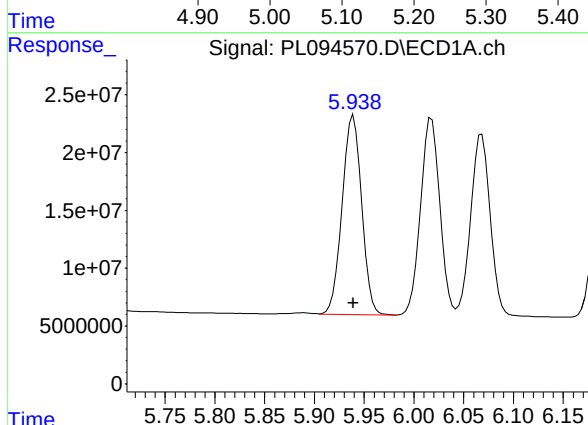
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



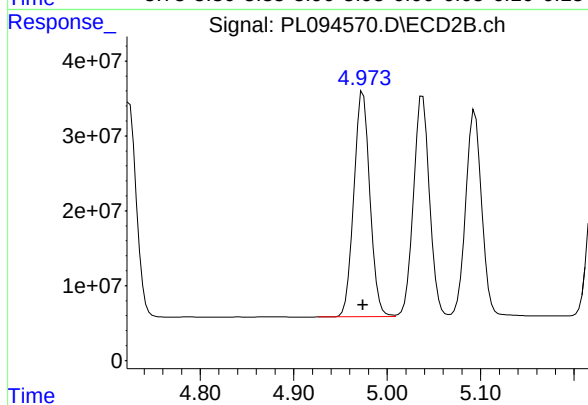
#9 Endosulfan I

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



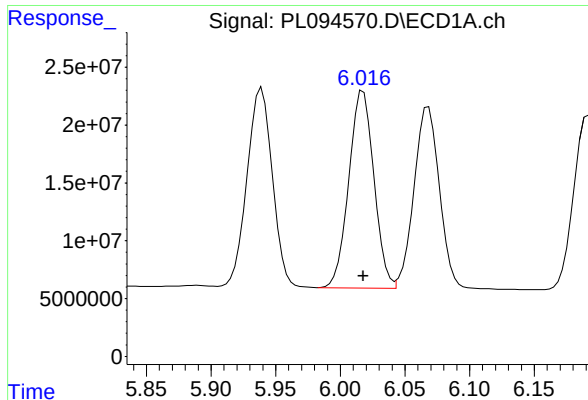
#10 gamma-Chlordane

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



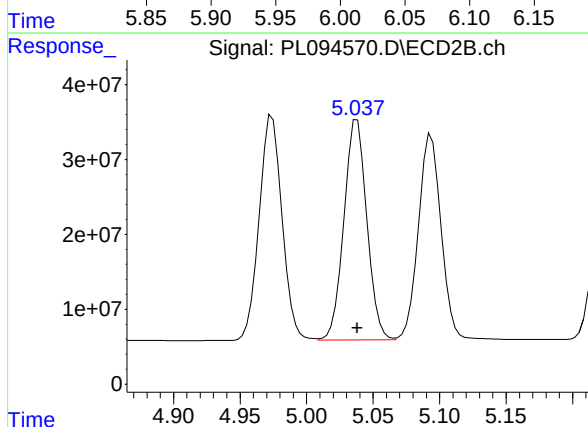
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

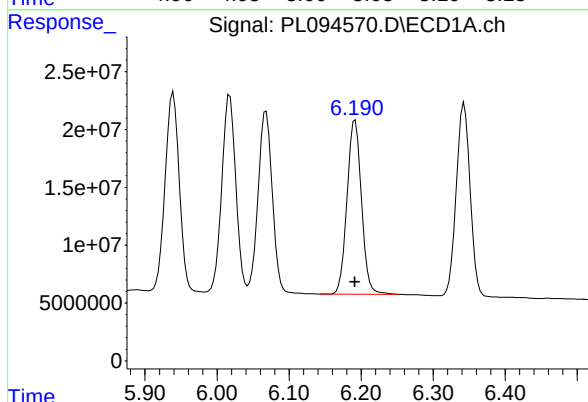
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



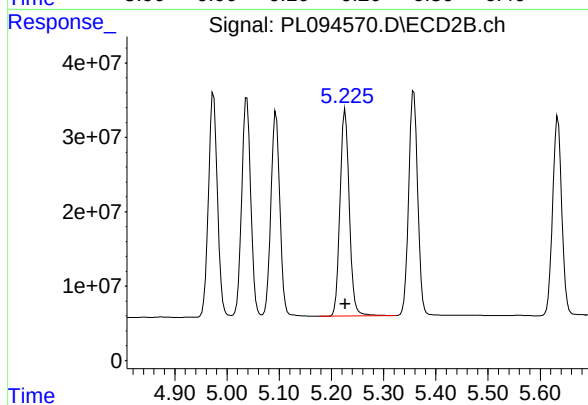
#11 alpha-Chlordane

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



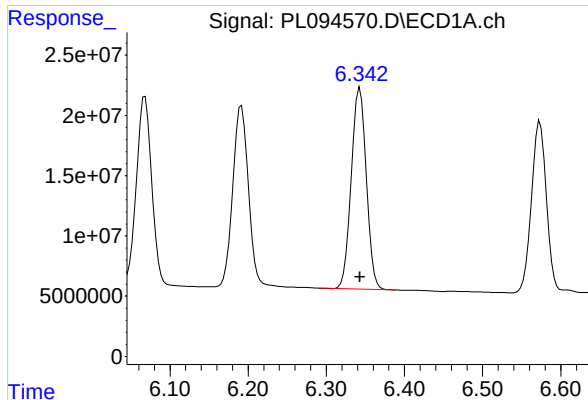
#12 4,4'-DDE

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



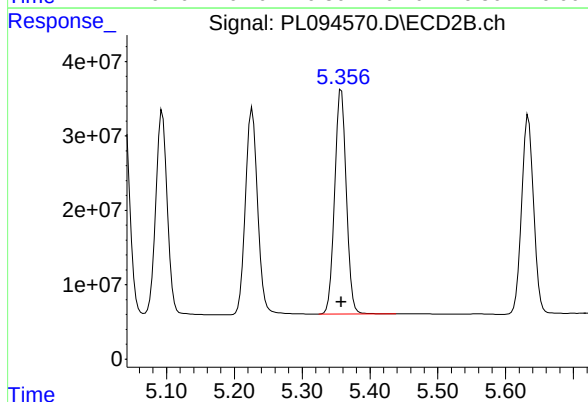
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

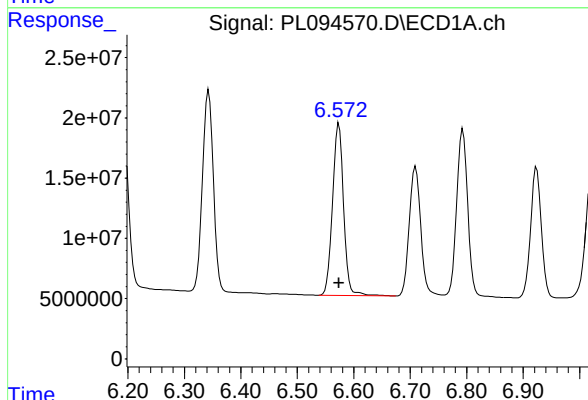
Manual Integrations
APPROVED

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



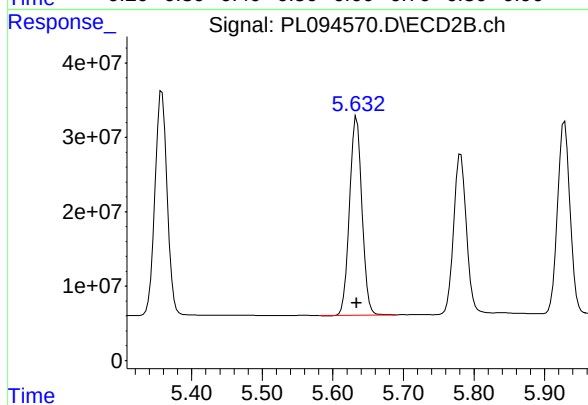
#13 Dieldrin

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



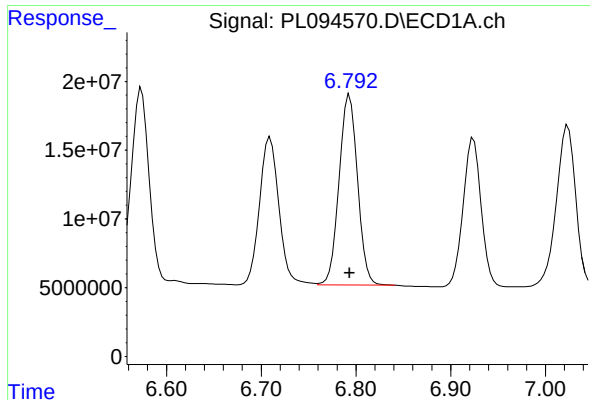
#14 Endrin

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



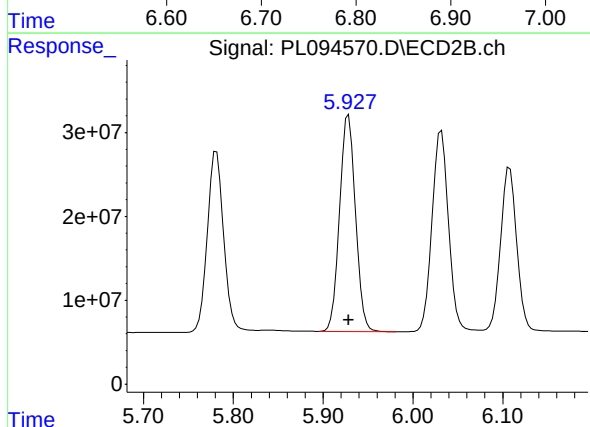
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

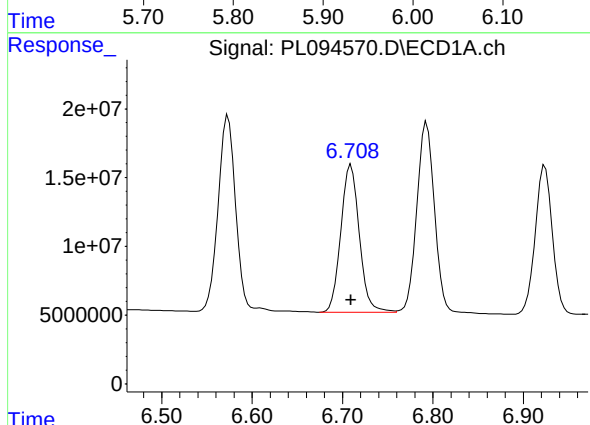
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



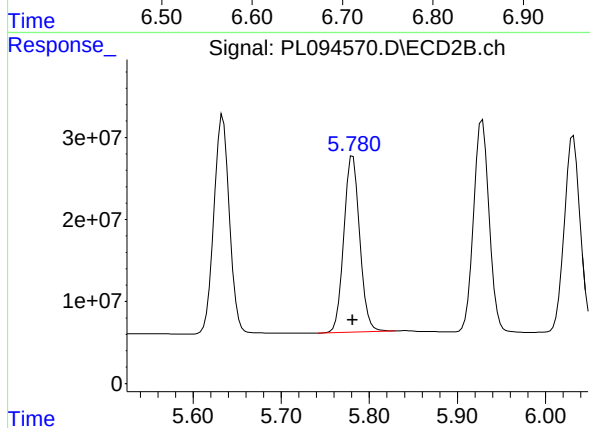
#15 Endosulfan II

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



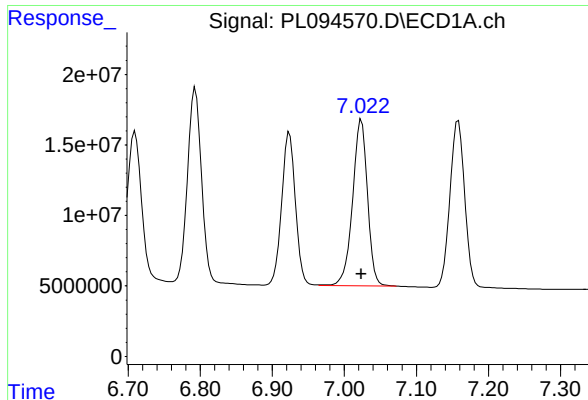
#16 4,4'-DDD

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



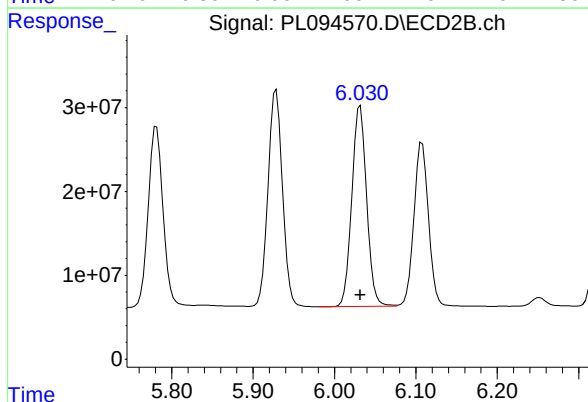
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

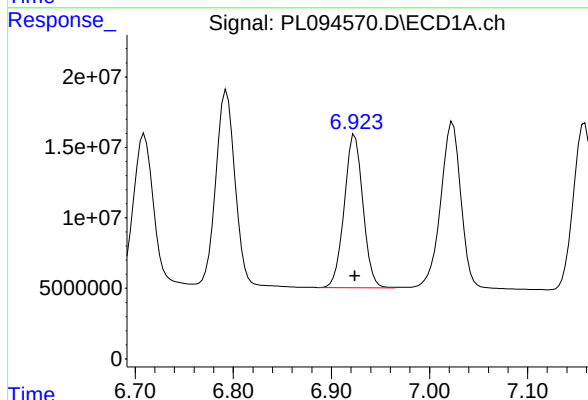
Manual Integrations
APPROVED

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



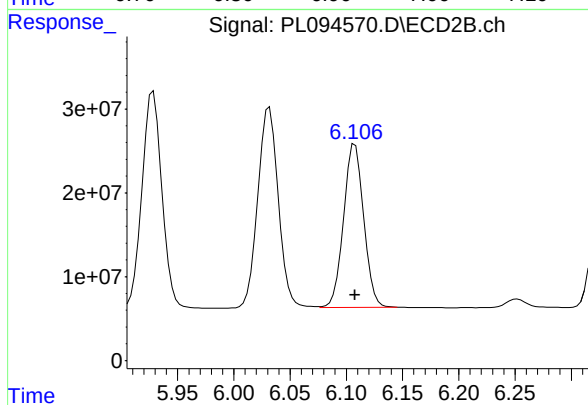
#17 4,4'-DDT

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



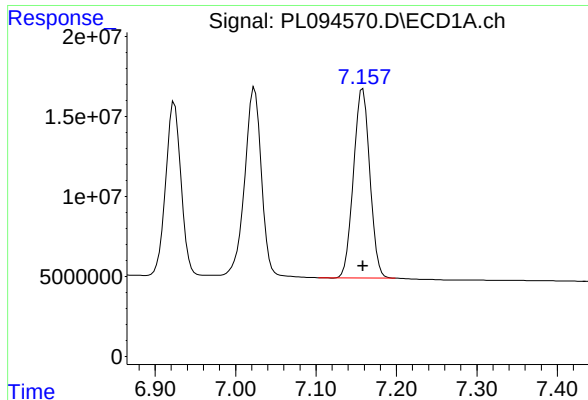
#18 Endrin aldehyde

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



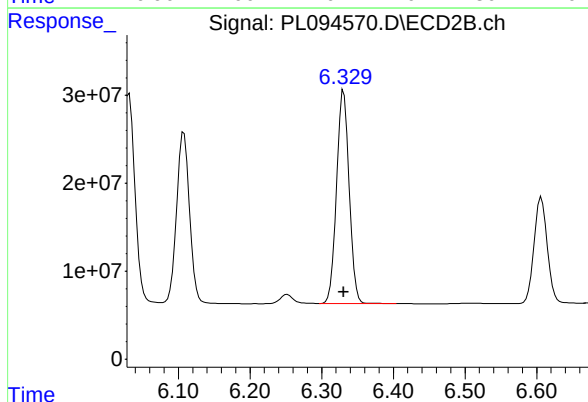
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

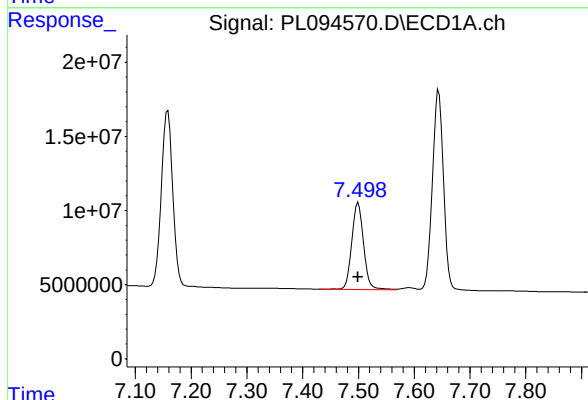
Manual Integrations
APPROVED

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



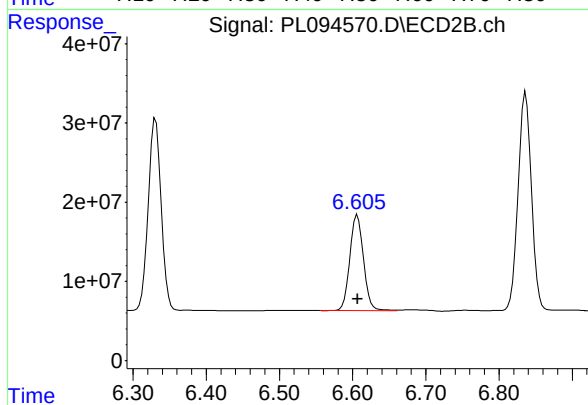
#19 Endosulfan Sulfate

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



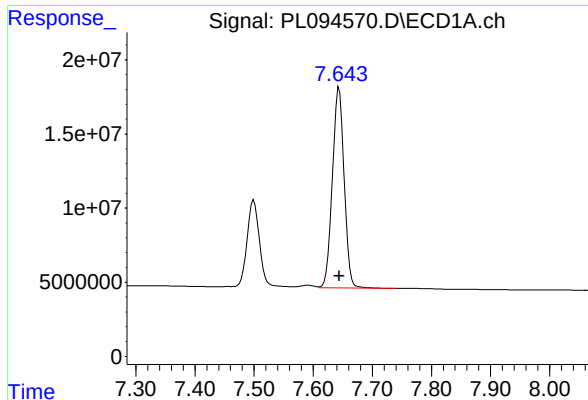
#20 Methoxychlor

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



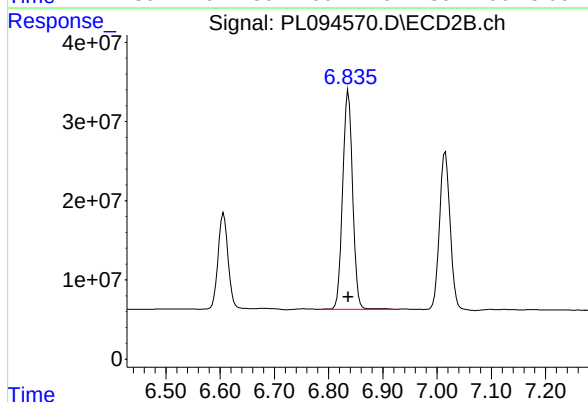
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

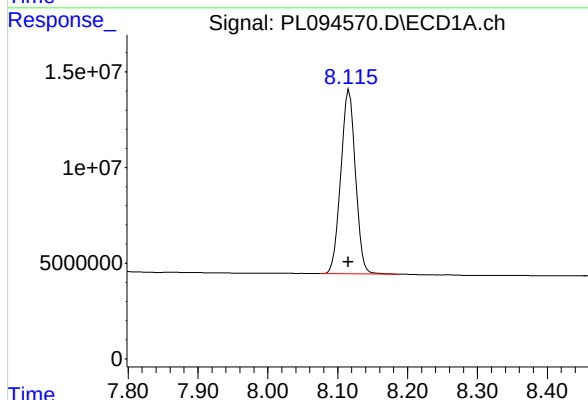
Manual Integrations
APPROVED

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



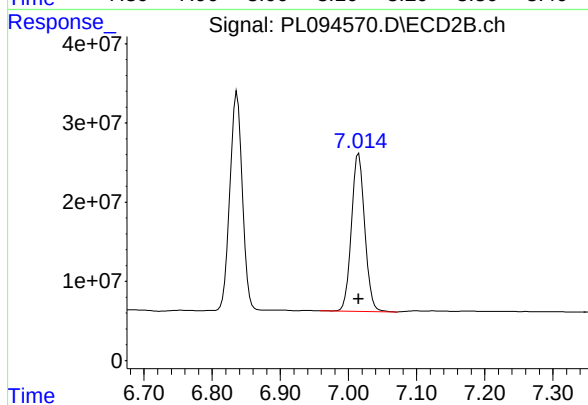
#21 Endrin ketone

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



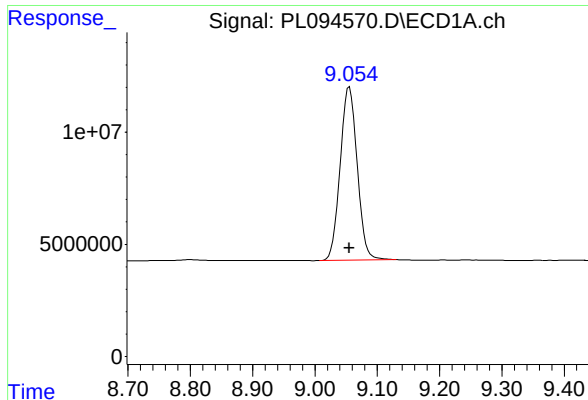
#22 Mirex

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

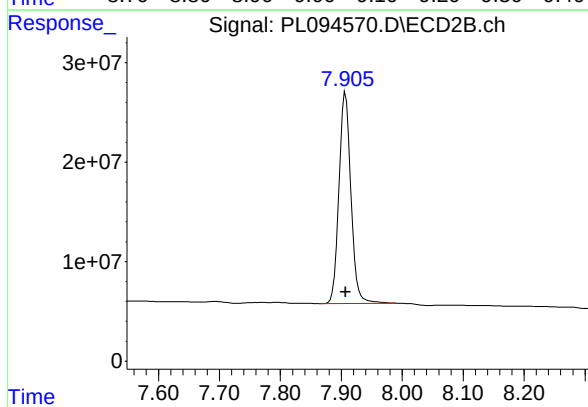
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

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

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

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

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

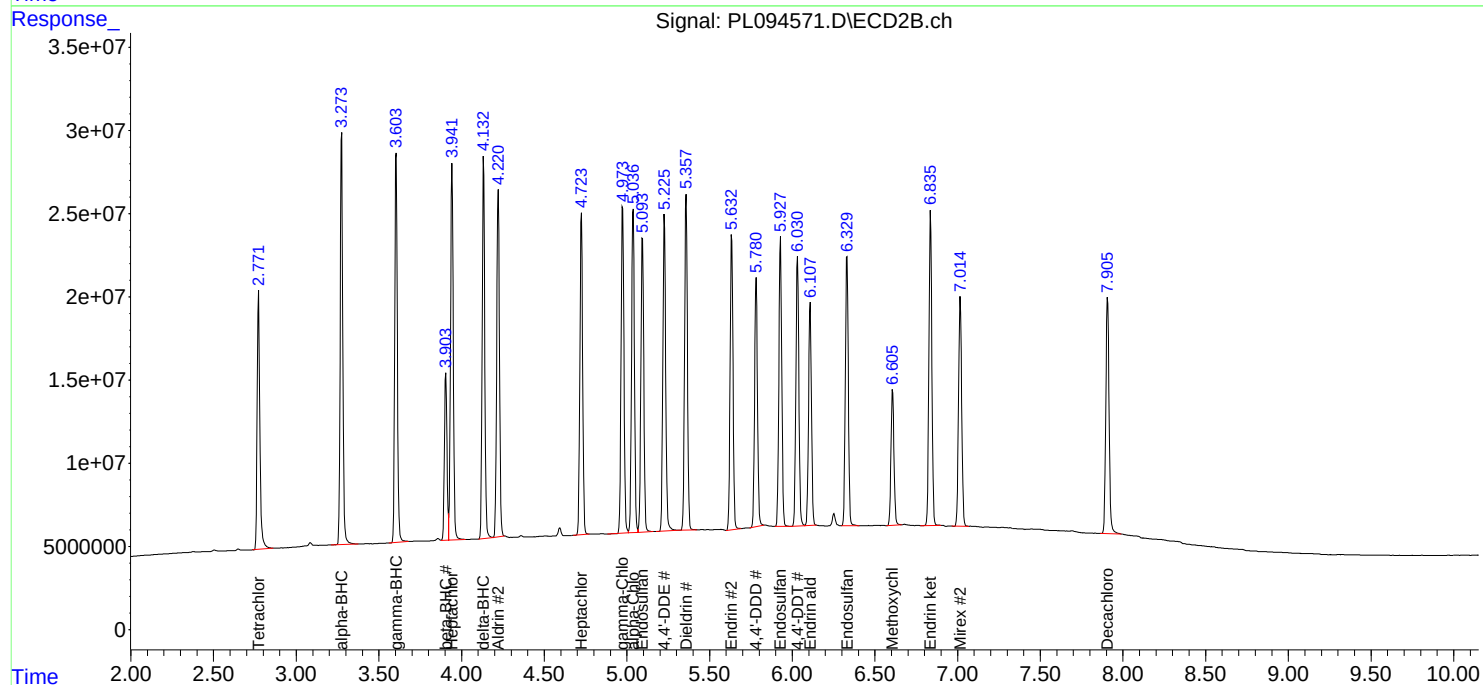
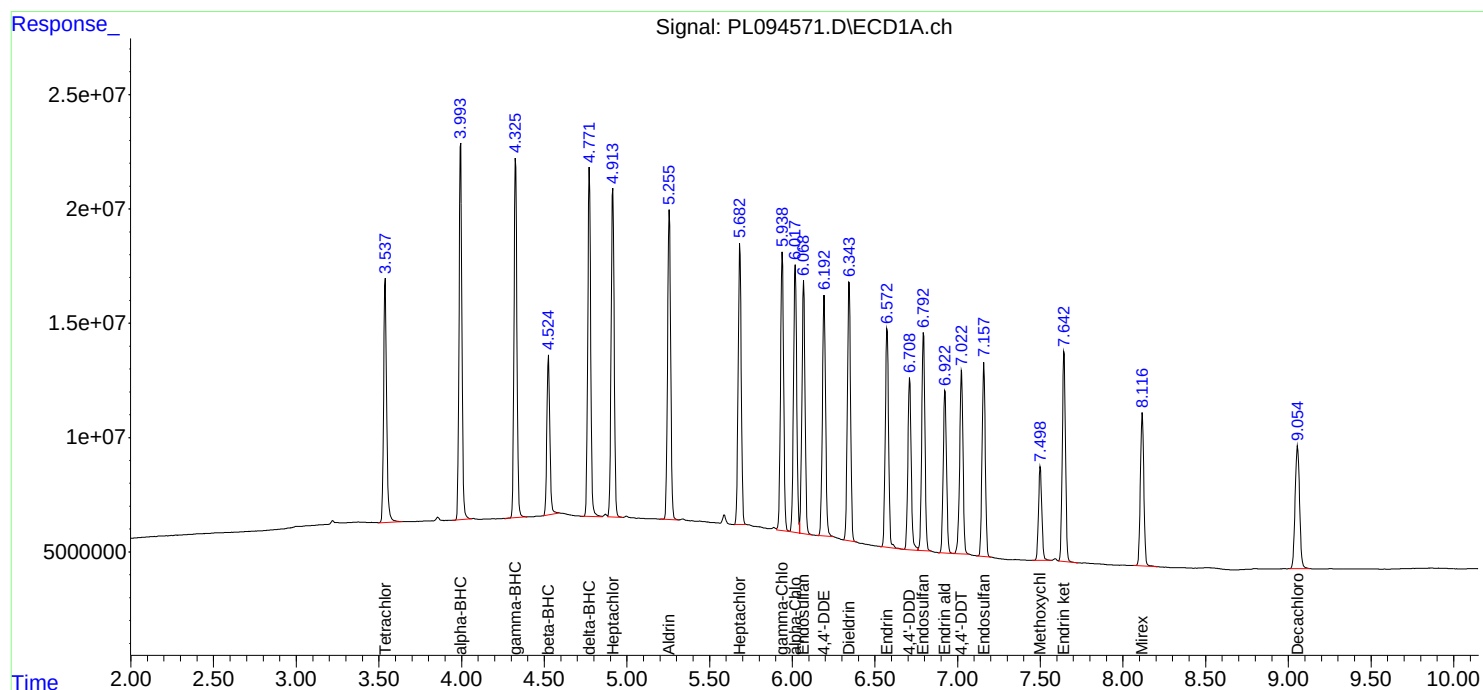
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

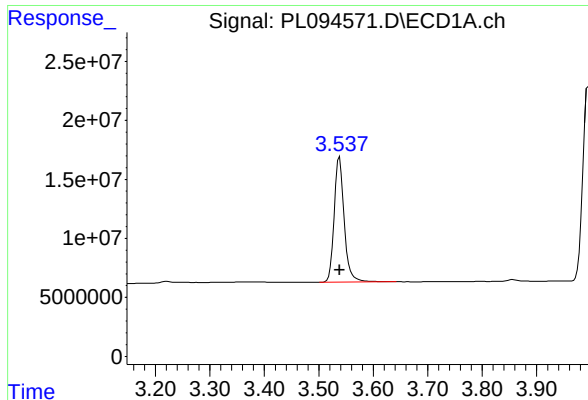
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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

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

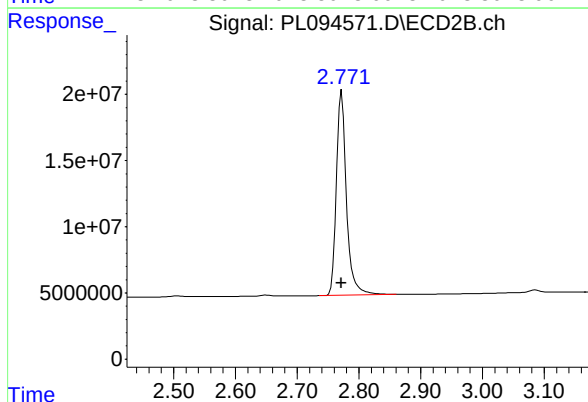




#1 Tetrachloro-m-xylene

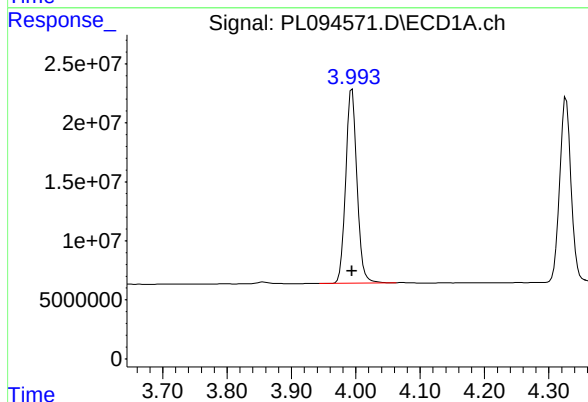
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 136137104
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



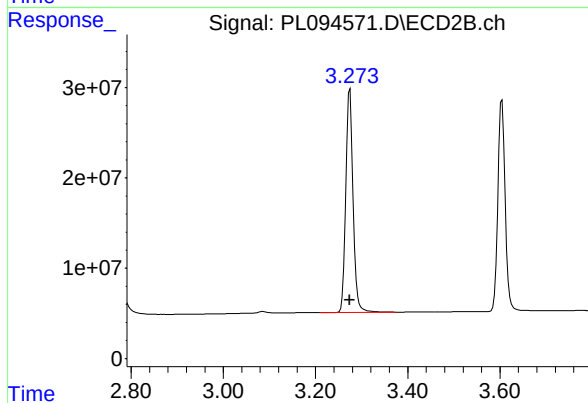
#1 Tetrachloro-m-xylene

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



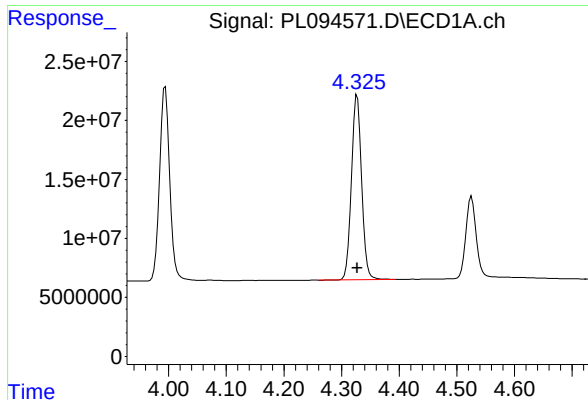
#2 alpha-BHC

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



#2 alpha-BHC

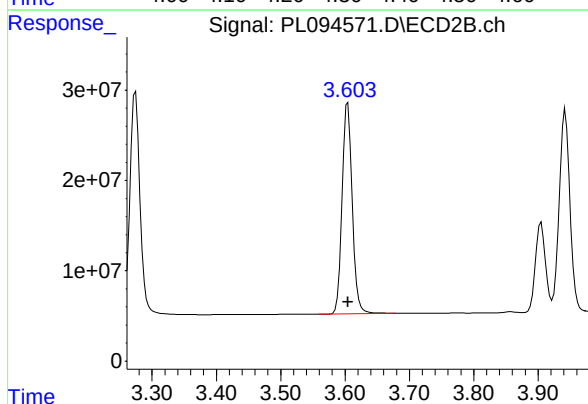
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 270359380
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

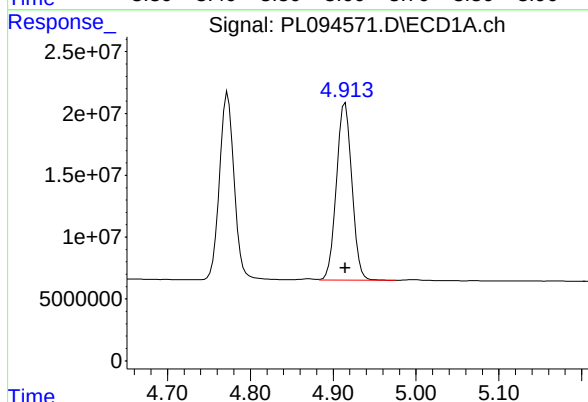
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192070832
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



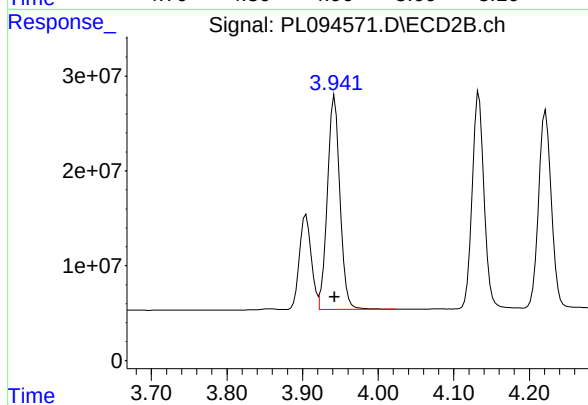
#3 gamma-BHC (Lindane)

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



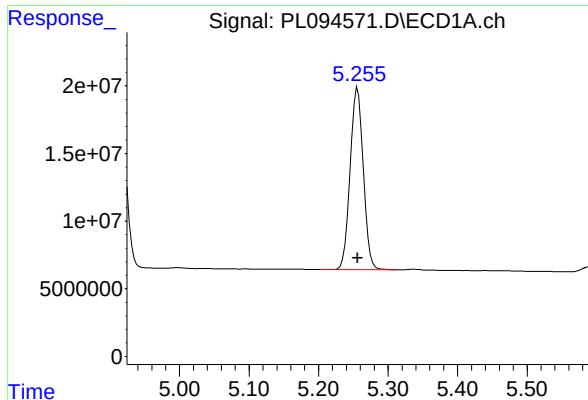
#4 Heptachlor

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



#4 Heptachlor

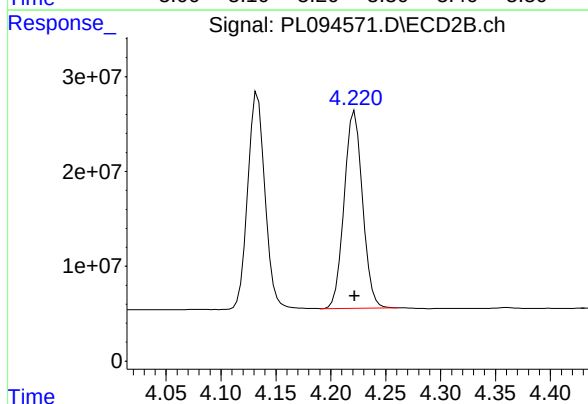
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 261438317
Conc: 50.00 ng/ml



#5 Aldrin

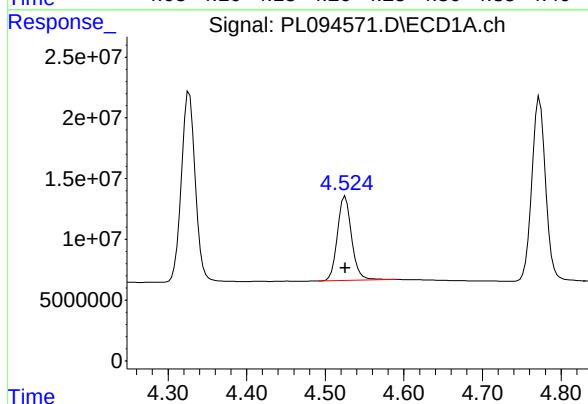
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 176587729
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



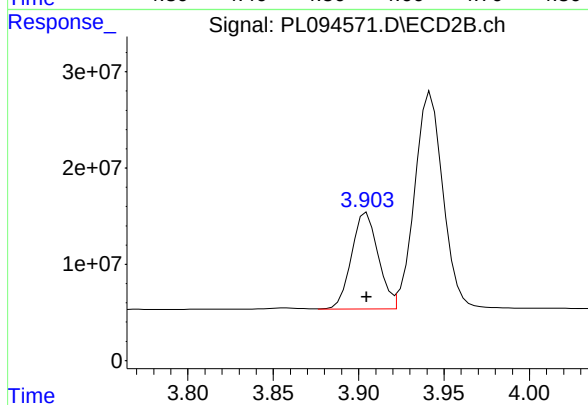
#5 Aldrin

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



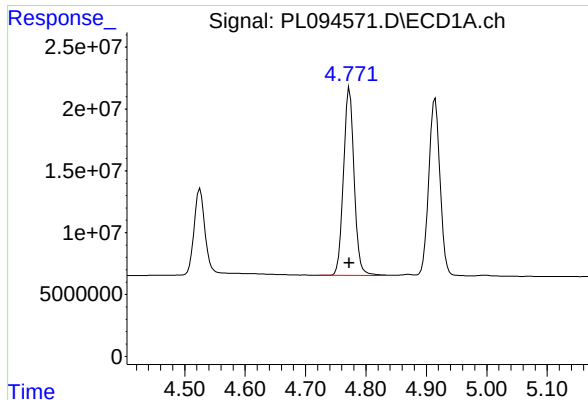
#6 beta-BHC

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



#6 beta-BHC

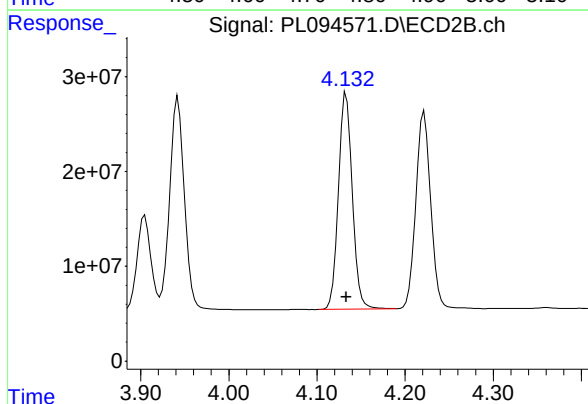
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 108608578
Conc: 50.00 ng/ml



#7 delta-BHC

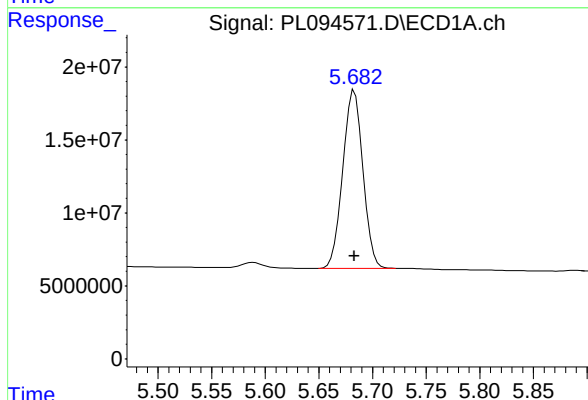
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 186003116
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



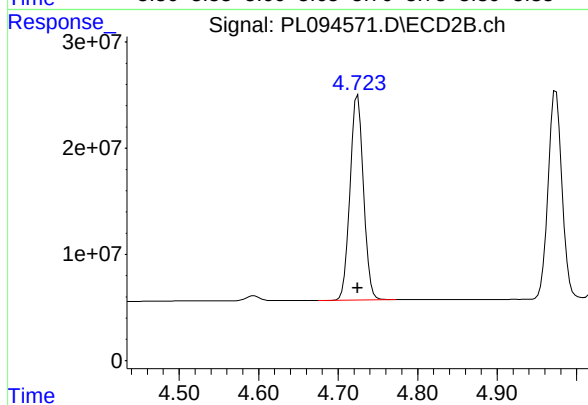
#7 delta-BHC

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



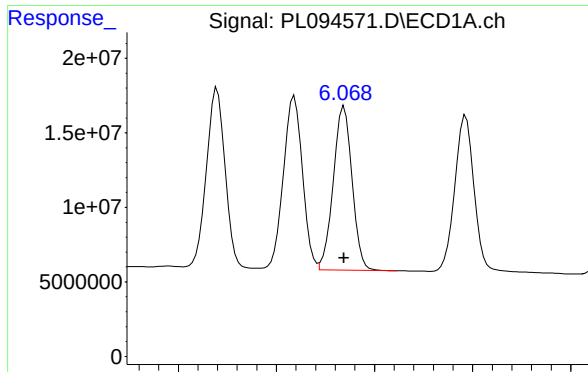
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

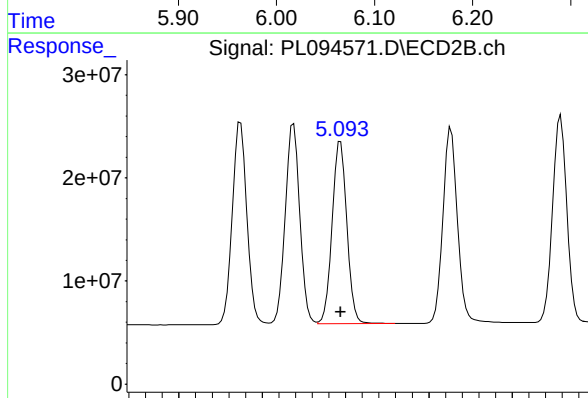
R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 226476106
Conc: 50.00 ng/ml



#9 Endosulfan I

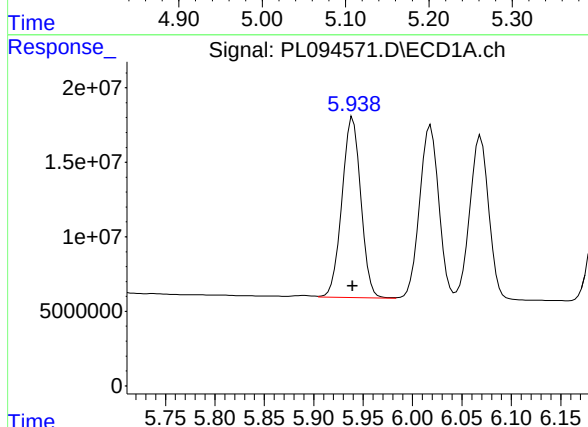
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 146211036
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



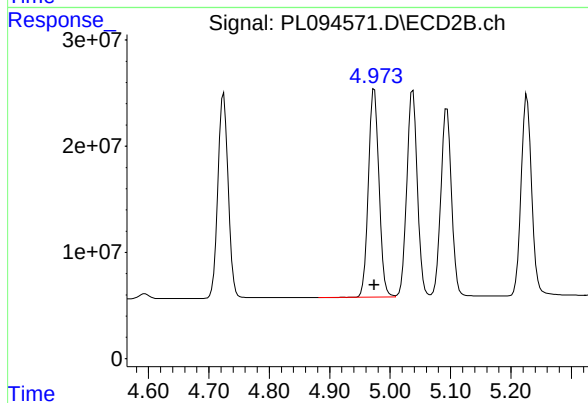
#9 Endosulfan I

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



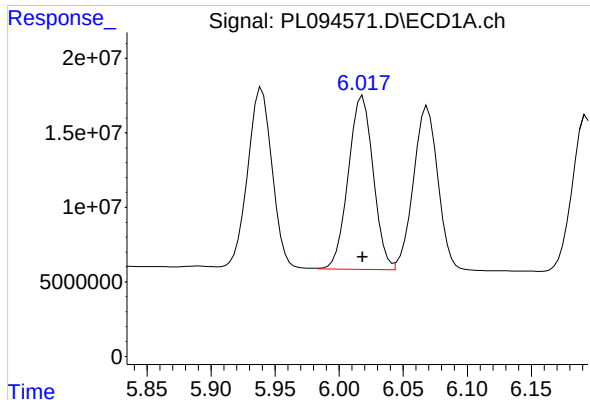
#10 gamma-Chlordane

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



#10 gamma-Chlordane

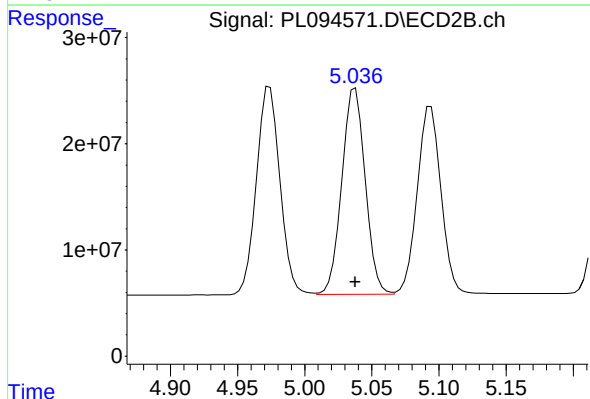
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 238530717
Conc: 50.00 ng/ml



#11 alpha-Chlordane

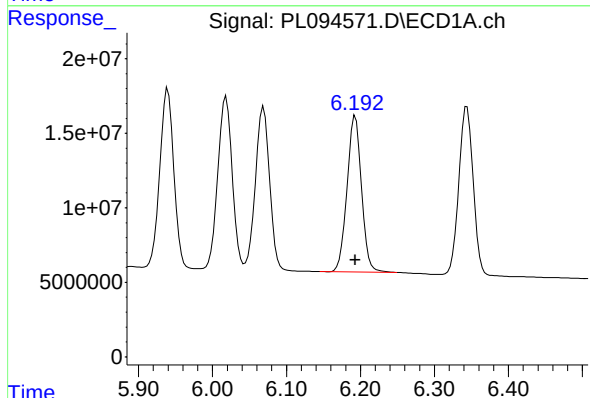
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 157277512
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



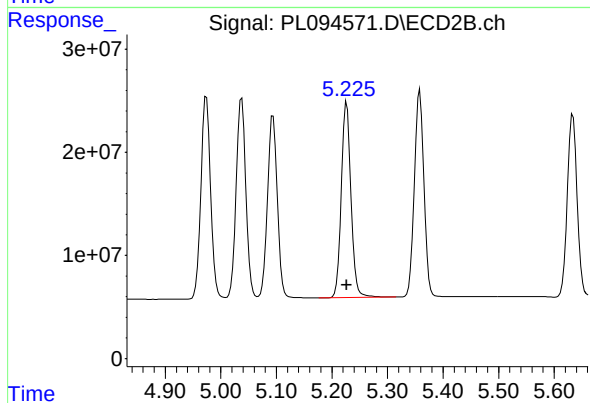
#11 alpha-Chlordane

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



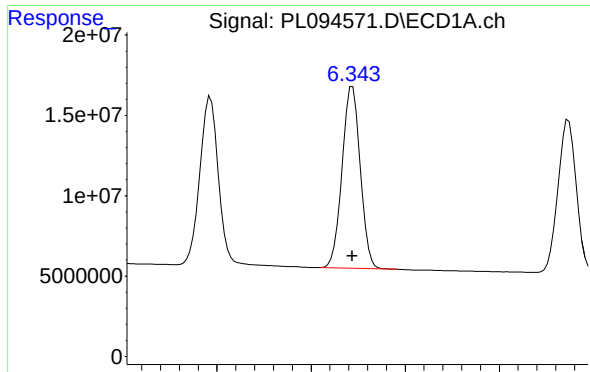
#12 4,4'-DDE

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



#12 4,4'-DDE

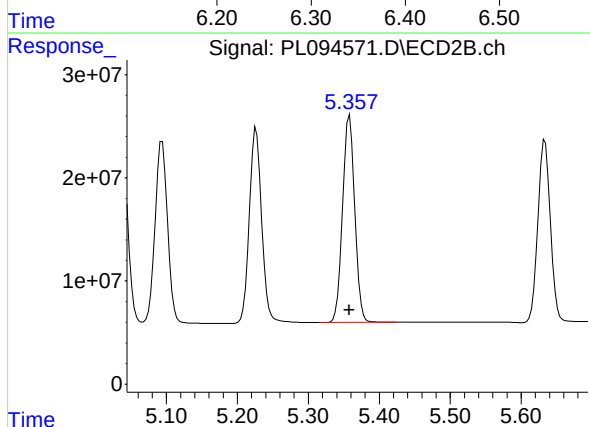
R.T.: 5.227 min
Delta R.T.: 0.000 min
Response: 229476795
Conc: 50.00 ng/ml



#13 Dieldrin

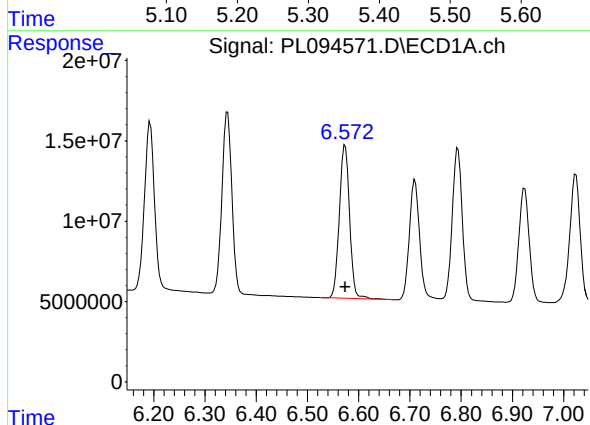
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 152019217
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



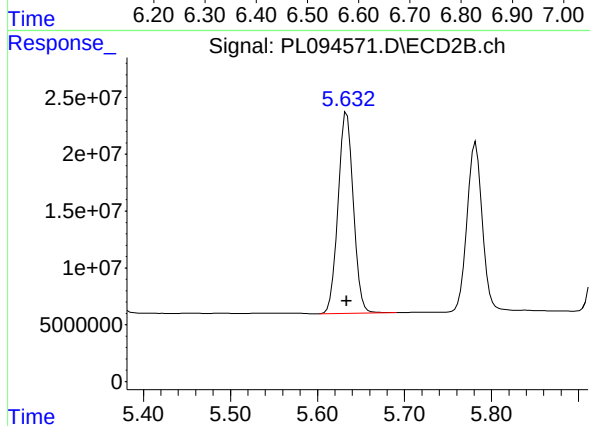
#13 Dieldrin

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



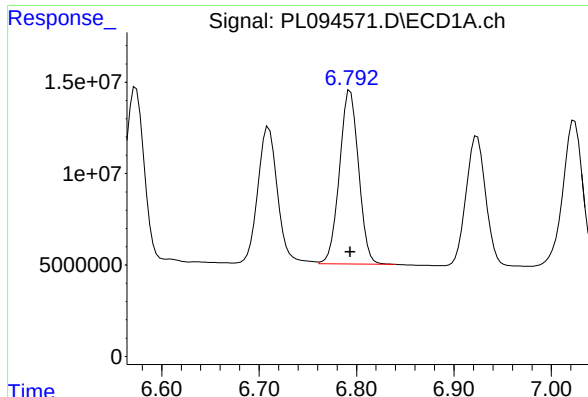
#14 Endrin

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



#14 Endrin

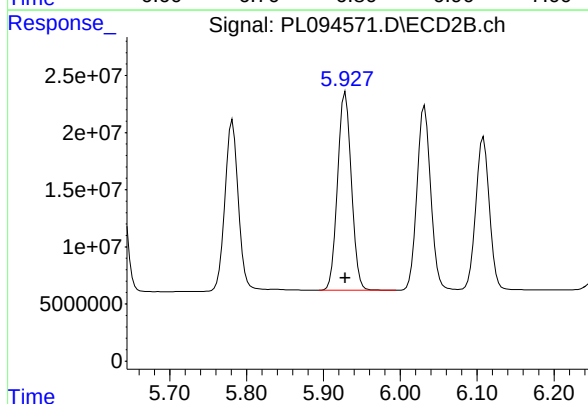
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 216302938
Conc: 50.00 ng/ml



#15 Endosulfan II

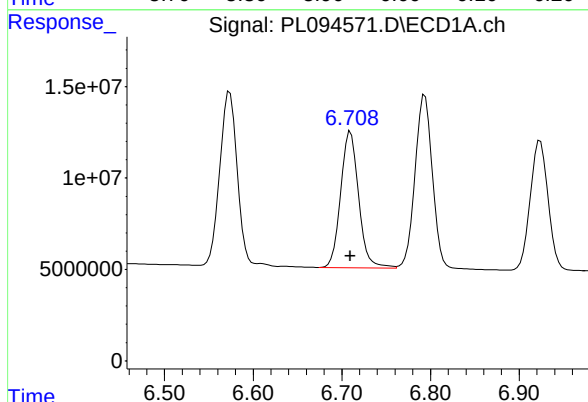
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 128973277
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



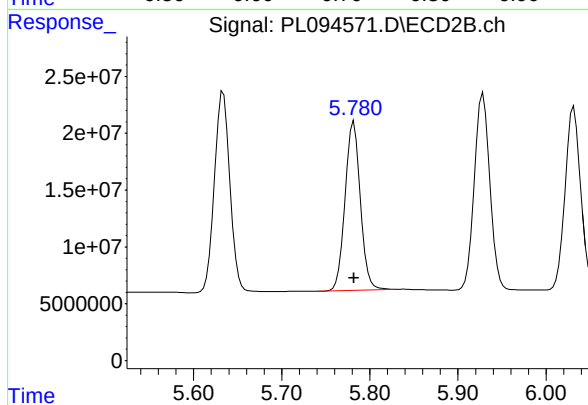
#15 Endosulfan II

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



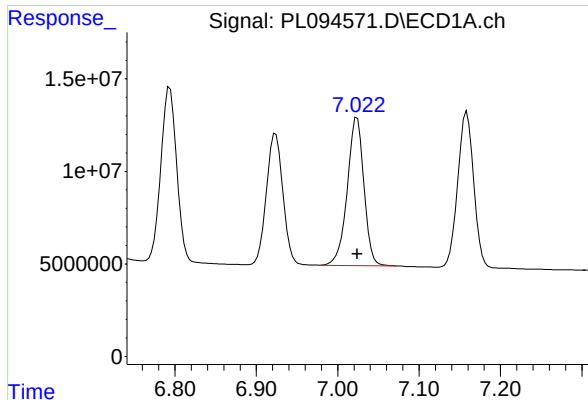
#16 4,4'-DDD

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



#16 4,4'-DDD

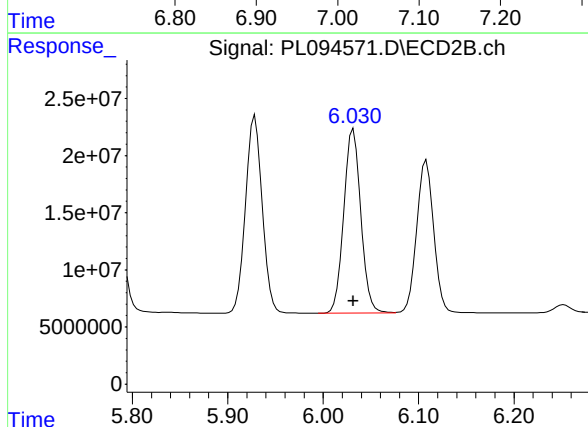
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 179139916
Conc: 50.00 ng/ml



#17 4,4'-DDT

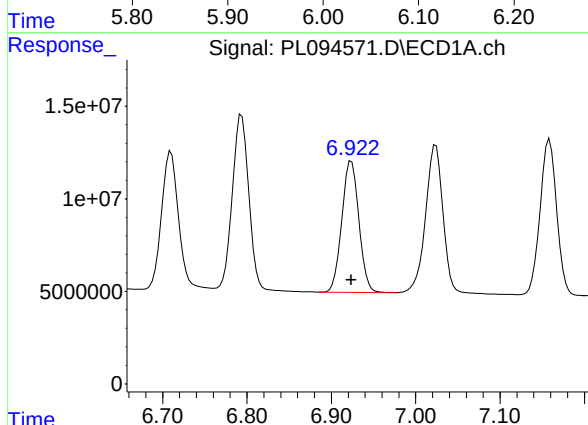
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 114135799
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDIC050



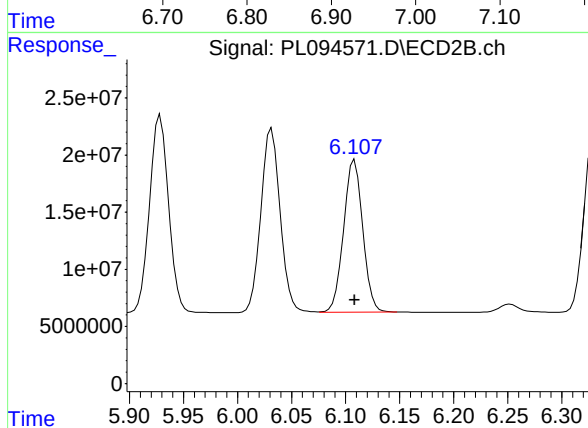
#17 4,4'-DDT

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



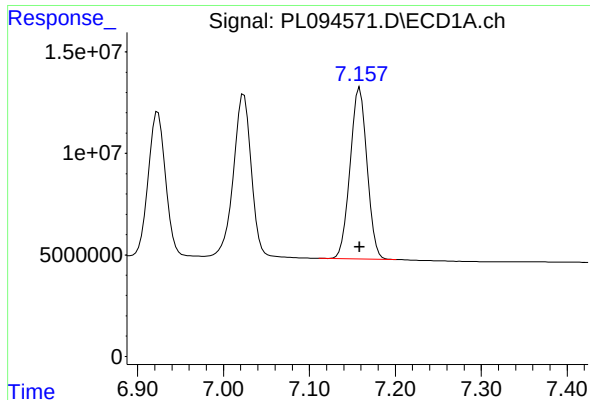
#18 Endrin aldehyde

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



#18 Endrin aldehyde

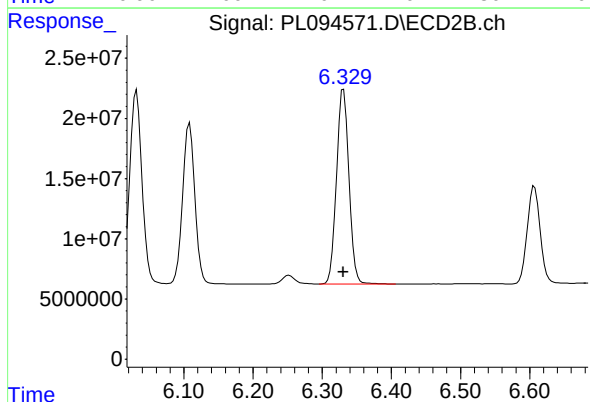
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 163954531
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

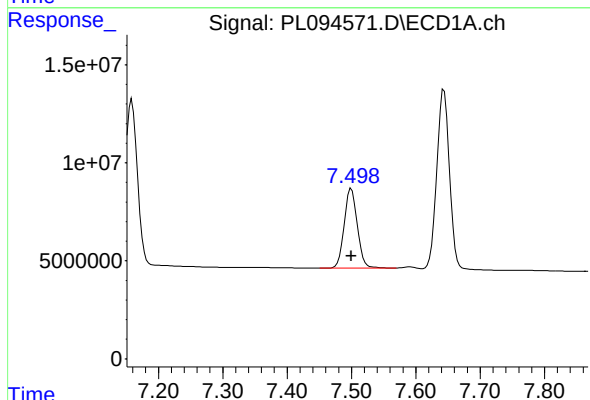
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 114763710
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



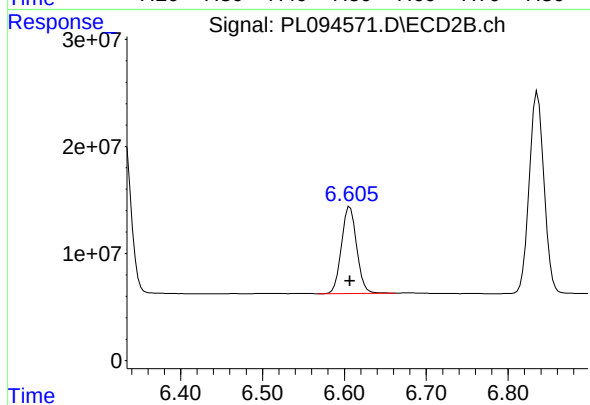
#19 Endosulfan Sulfate

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



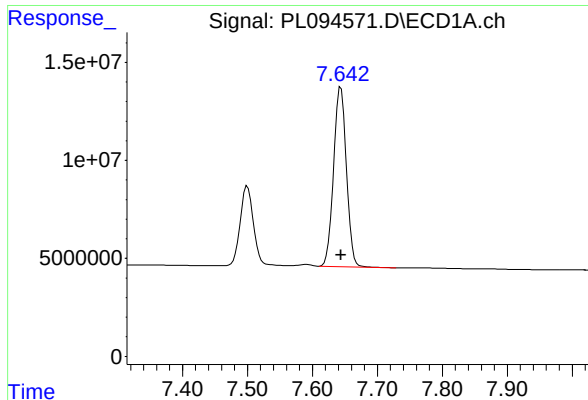
#20 Methoxychlor

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



#20 Methoxychlor

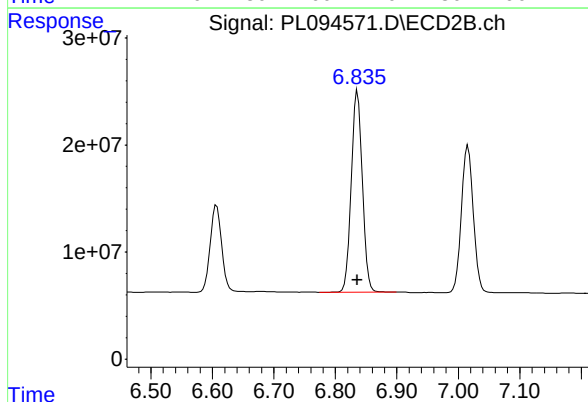
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 104967475
Conc: 50.00 ng/ml



#21 Endrin ketone

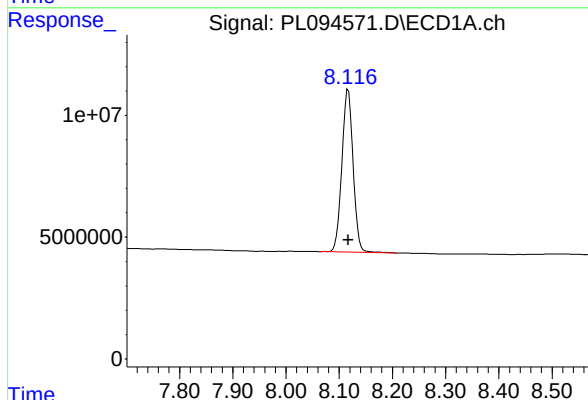
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 125237492
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



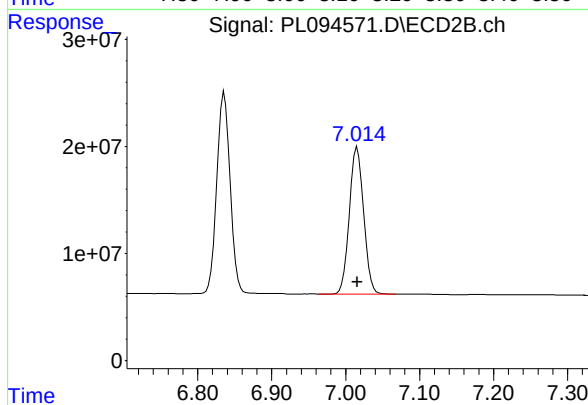
#21 Endrin ketone

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



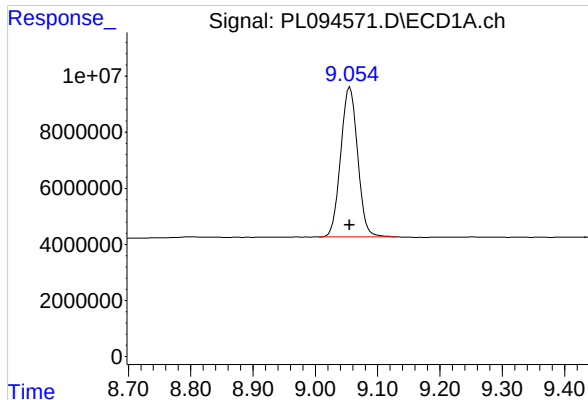
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

R.T.: 9.056 min

Delta R.T.: 0.000 min

Response: 101020675

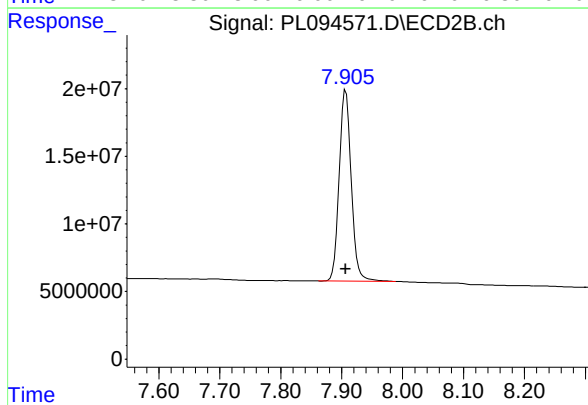
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.907 min

Delta R.T.: 0.000 min

Response: 195197693

Conc: 50.00 ng/ml

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

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

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

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

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

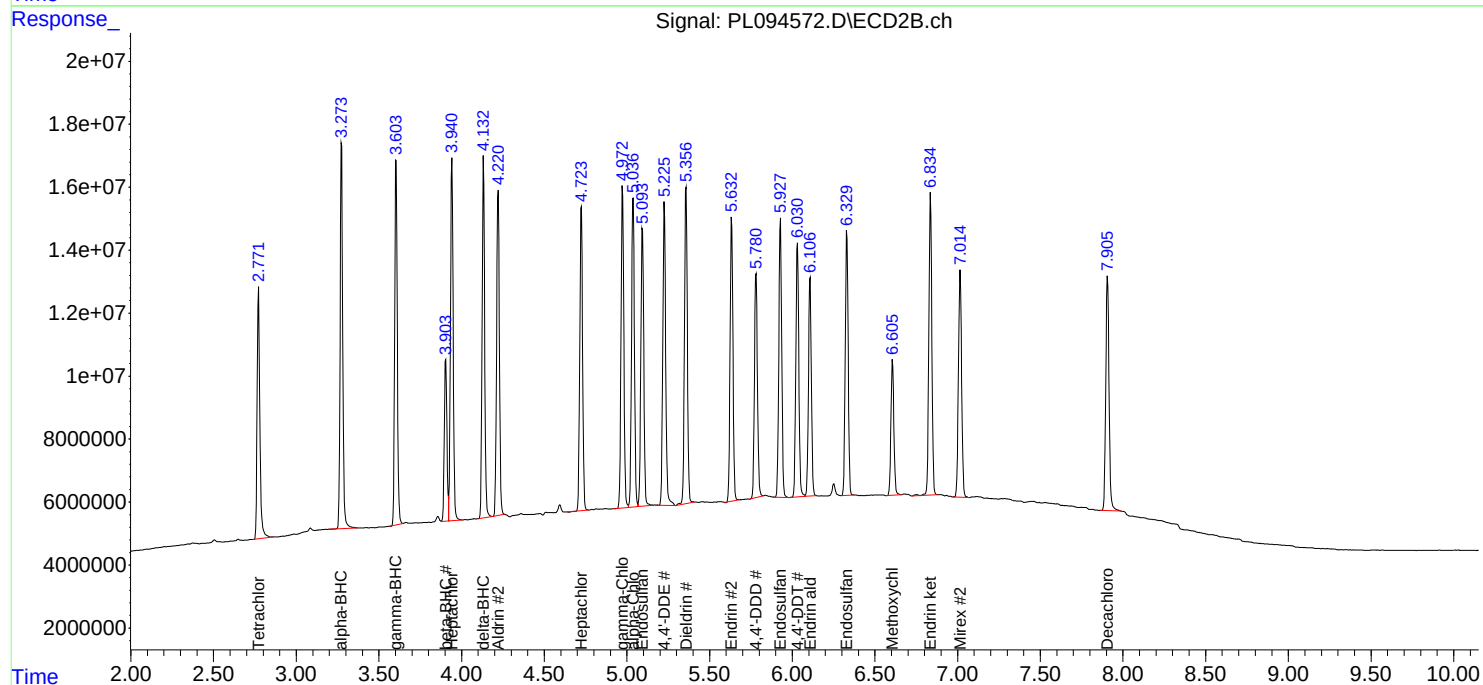
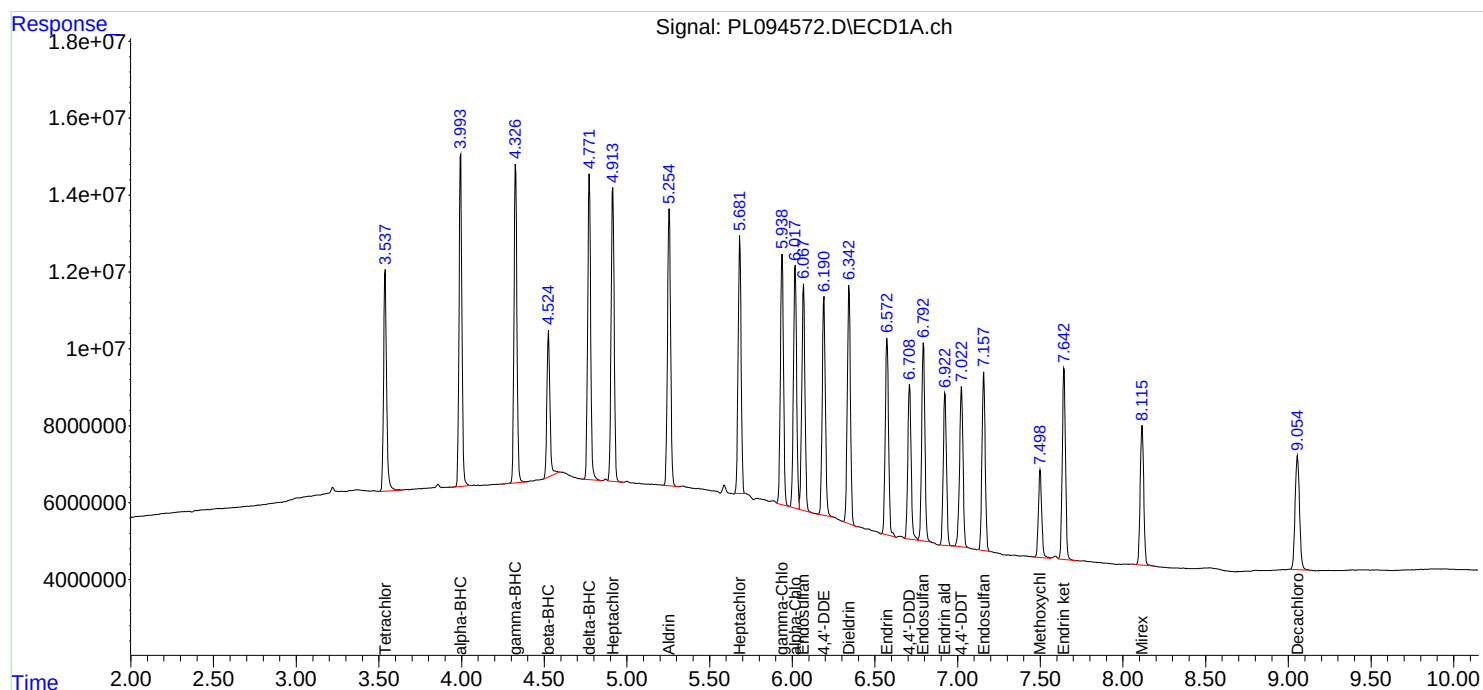
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

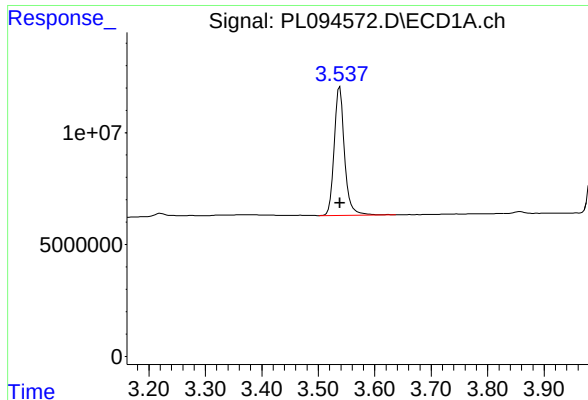
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 11:16
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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

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

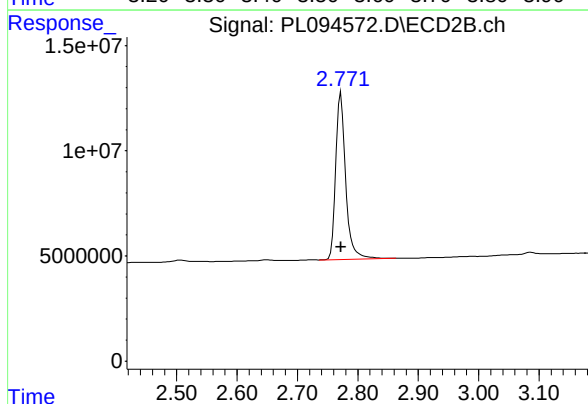




#1 Tetrachloro-m-xylene

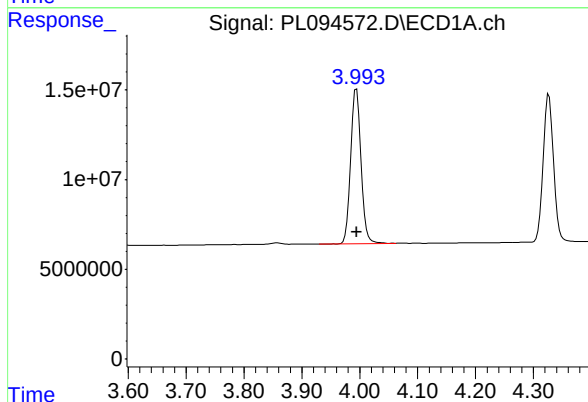
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 73066671
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



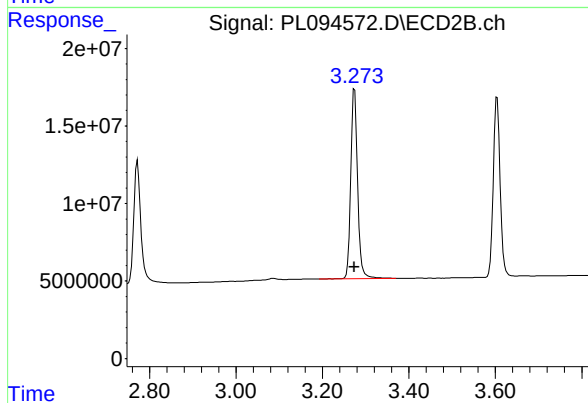
#1 Tetrachloro-m-xylene

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



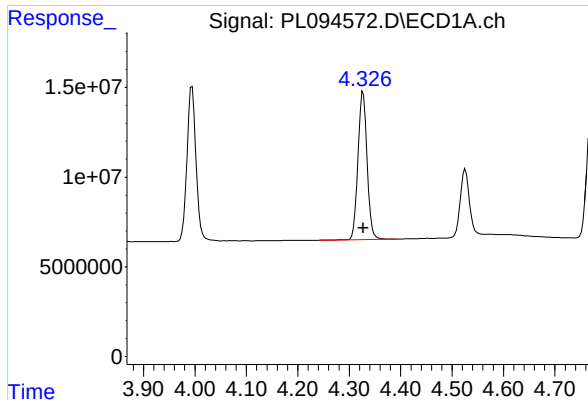
#2 alpha-BHC

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



#2 alpha-BHC

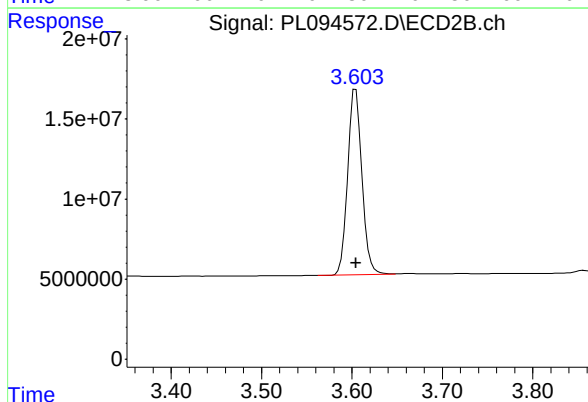
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 134567621
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

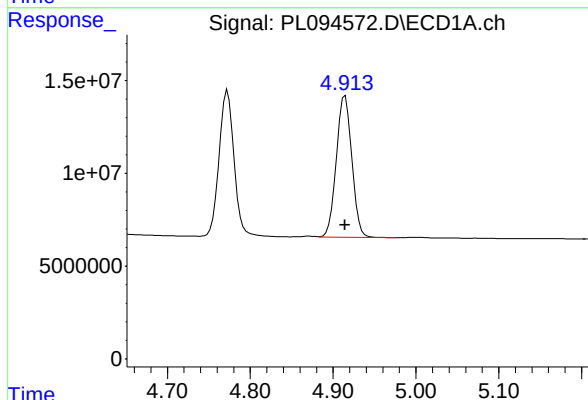
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 101519263
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



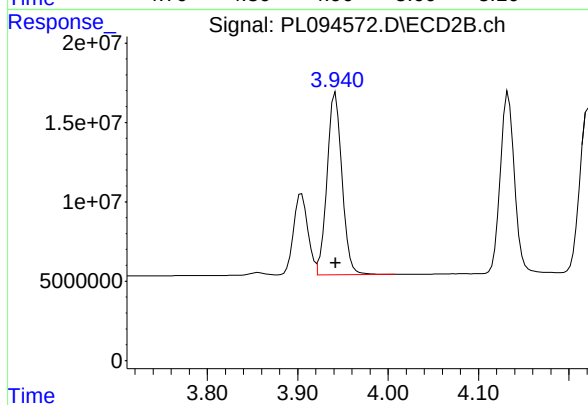
#3 gamma-BHC (Lindane)

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



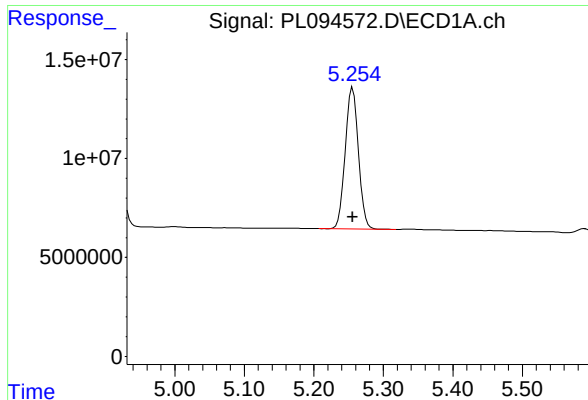
#4 Heptachlor

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



#4 Heptachlor

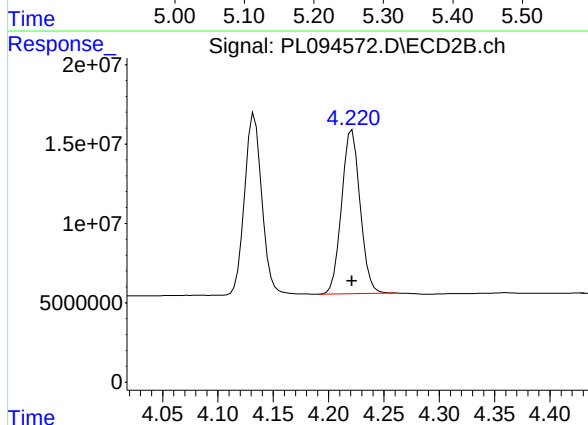
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 131830585
Conc: 24.96 ng/ml



#5 Aldrin

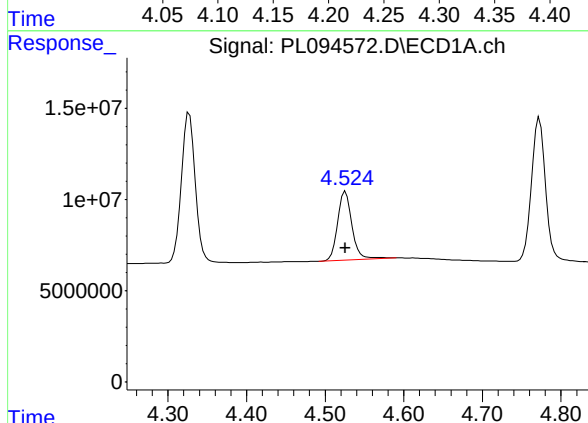
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 94187974
Conc: 26.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



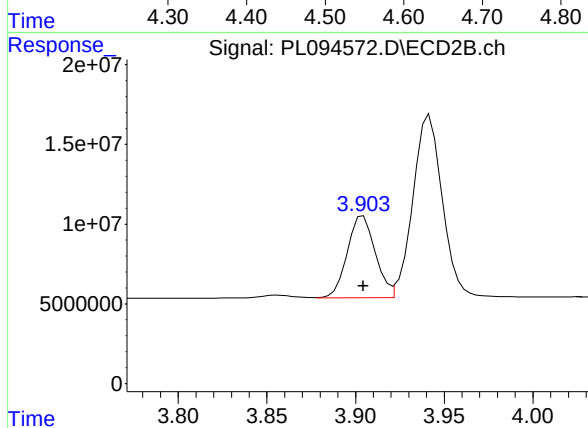
#5 Aldrin

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



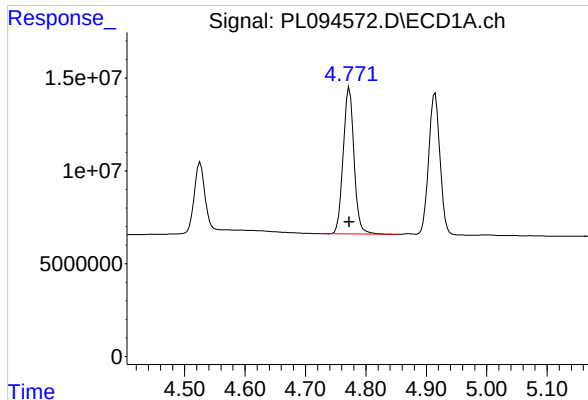
#6 beta-BHC

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



#6 beta-BHC

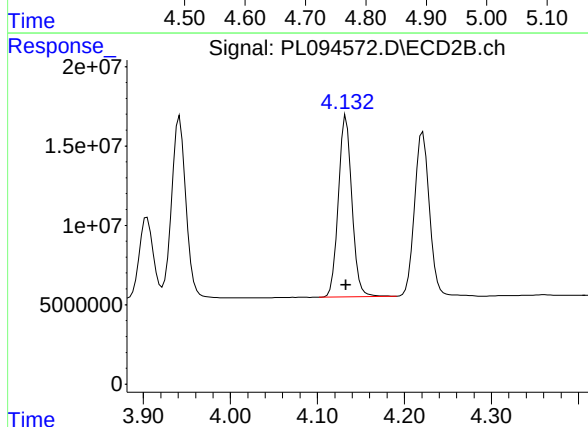
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 56269720
Conc: 25.67 ng/ml



#7 delta-BHC

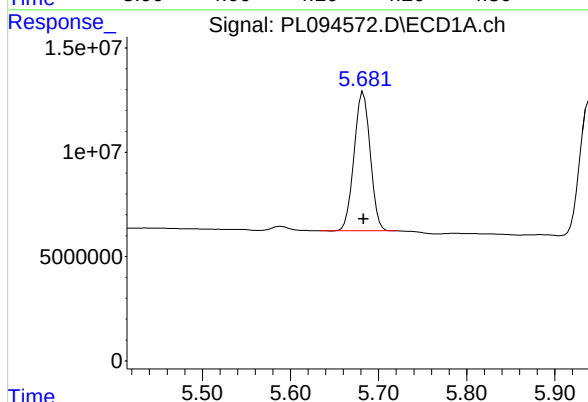
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 98323171
Conc: 26.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



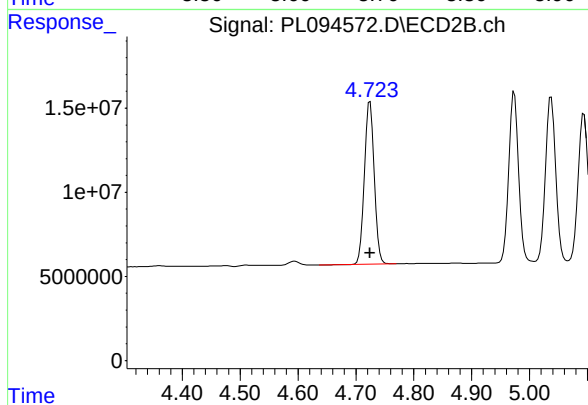
#7 delta-BHC

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



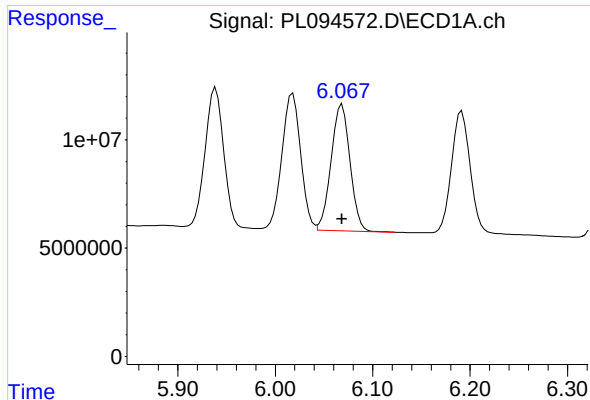
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

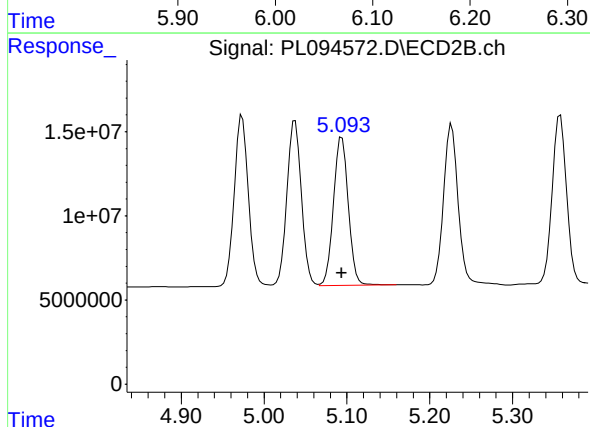
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 114828282
Conc: 25.15 ng/ml



#9 Endosulfan I

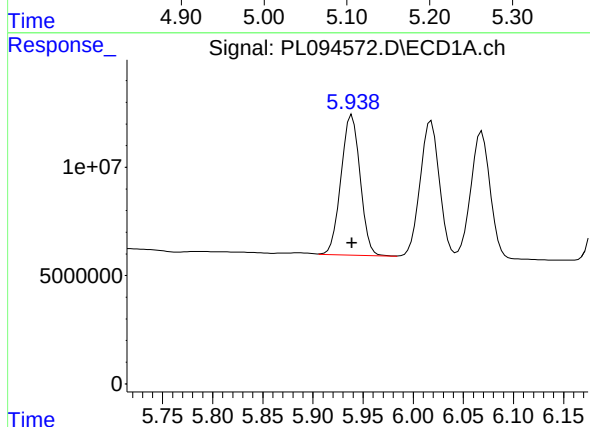
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 78452105
Conc: 26.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



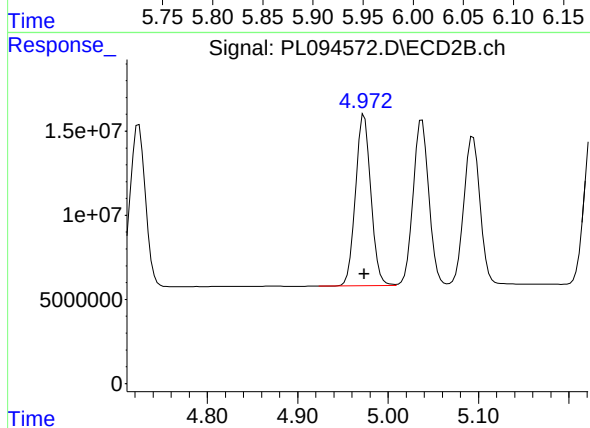
#9 Endosulfan I

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



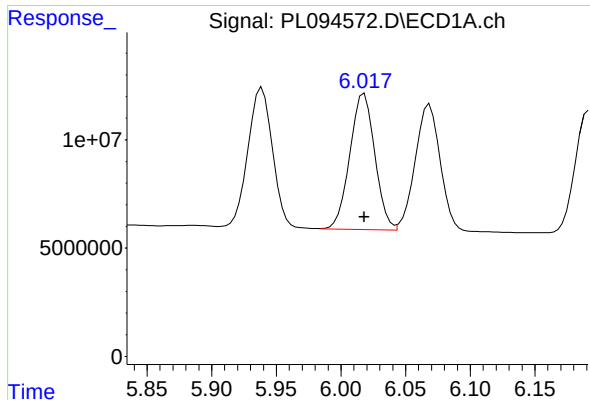
#10 gamma-Chlordane

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



#10 gamma-Chlordane

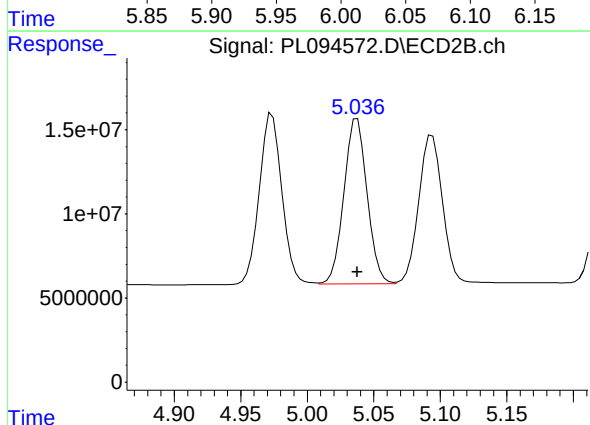
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 120286873
Conc: 24.88 ng/ml



#11 alpha-Chlordane

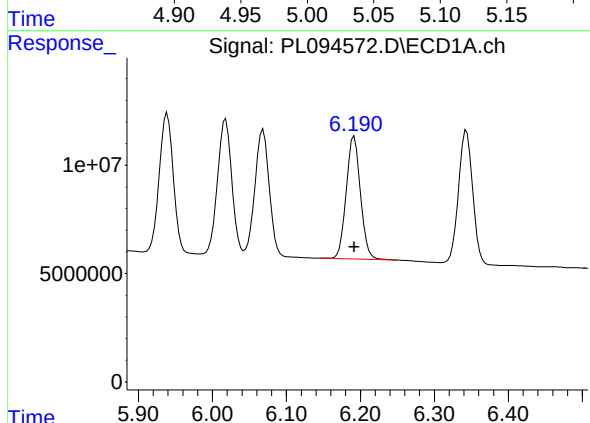
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 84236346
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



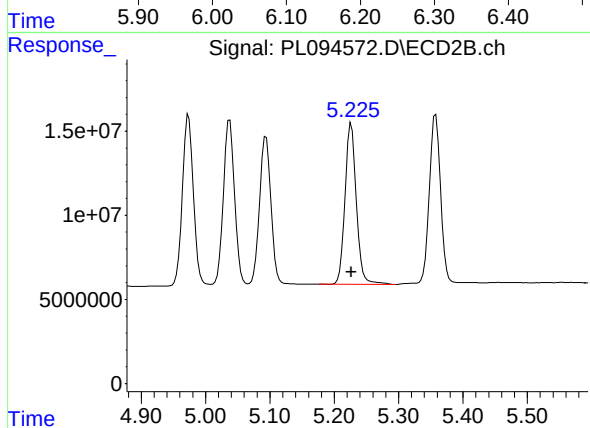
#11 alpha-Chlordane

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



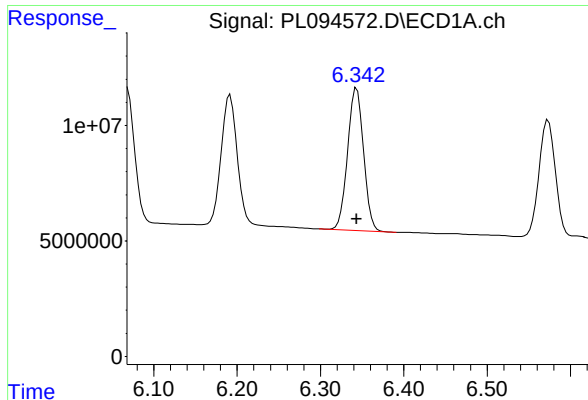
#12 4,4'-DDE

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



#12 4,4'-DDE

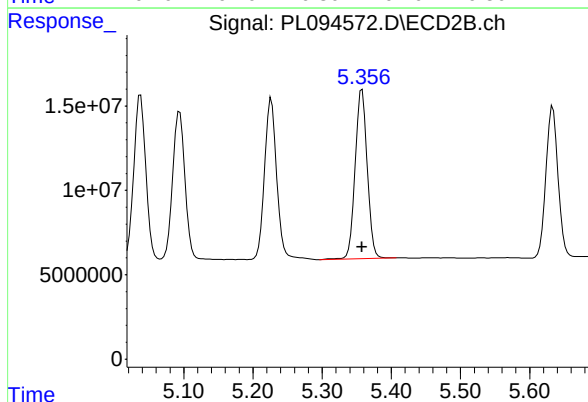
R.T.: 5.226 min
Delta R.T.: 0.000 min
Response: 117694938
Conc: 25.25 ng/ml



#13 Dieldrin

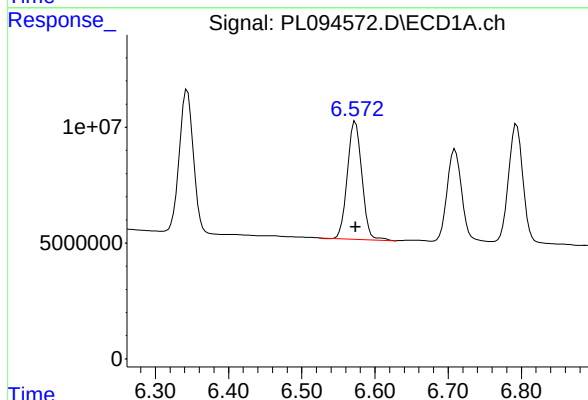
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 81751323
Conc: 26.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



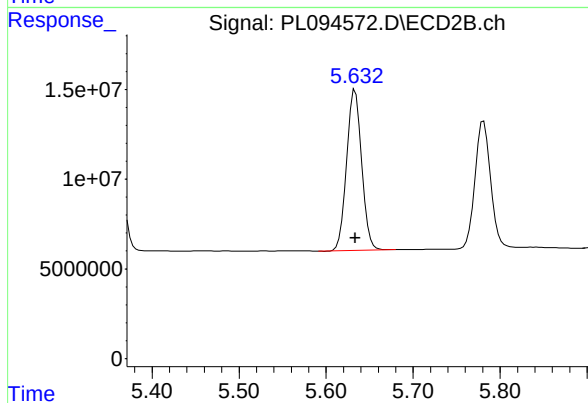
#13 Dieldrin

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



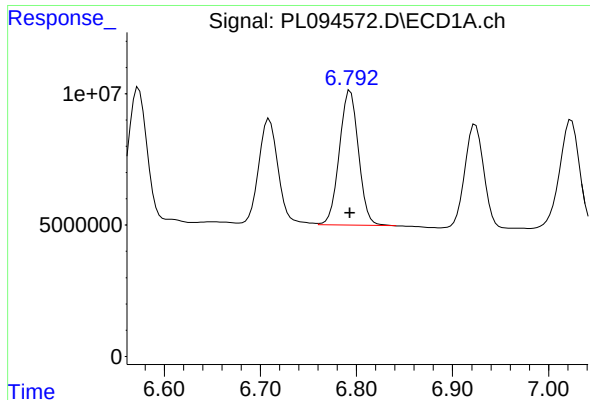
#14 Endrin

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



#14 Endrin

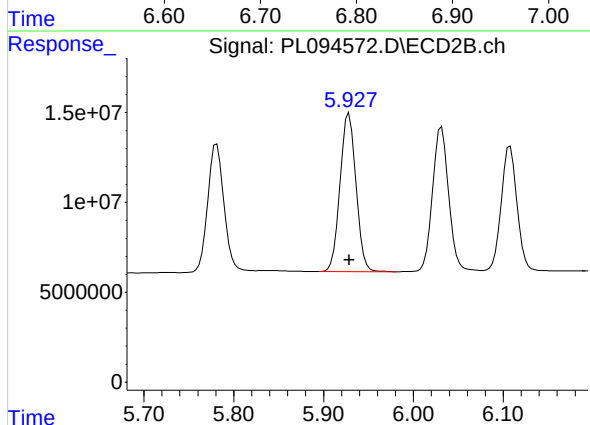
R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 108262899
Conc: 24.86 ng/ml



#15 Endosulfan II

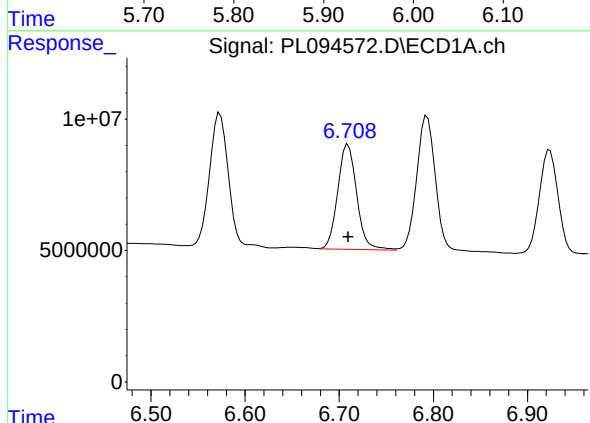
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 69950473
Conc: 26.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



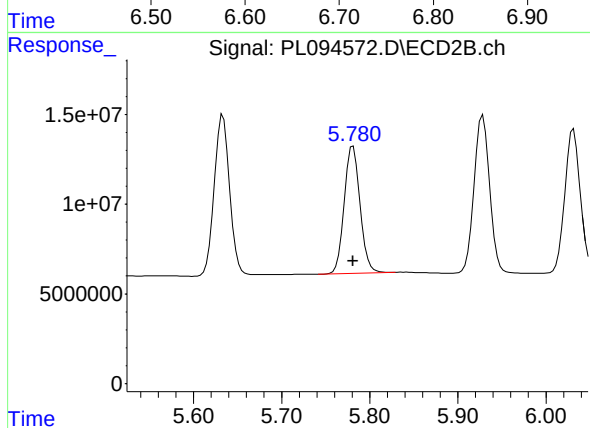
#15 Endosulfan II

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



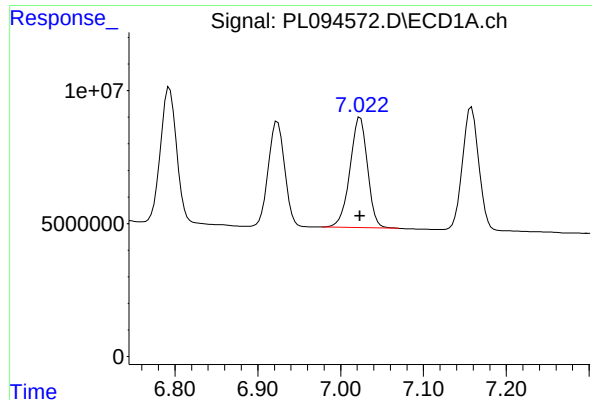
#16 4,4'-DDD

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



#16 4,4'-DDD

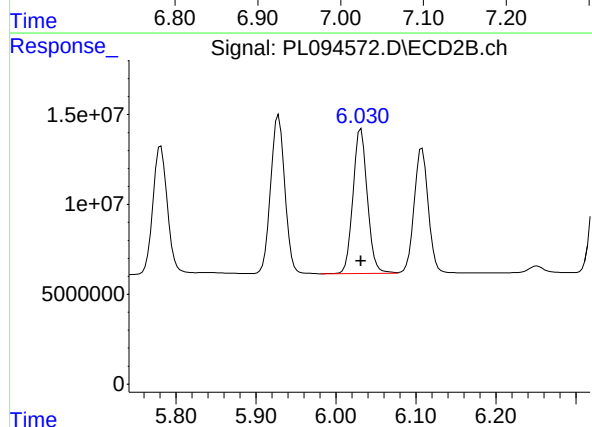
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 88985458
Conc: 24.57 ng/ml



#17 4,4'-DDT

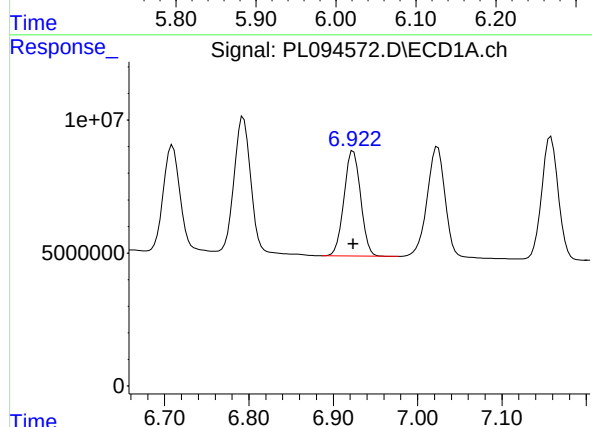
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 61047291
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



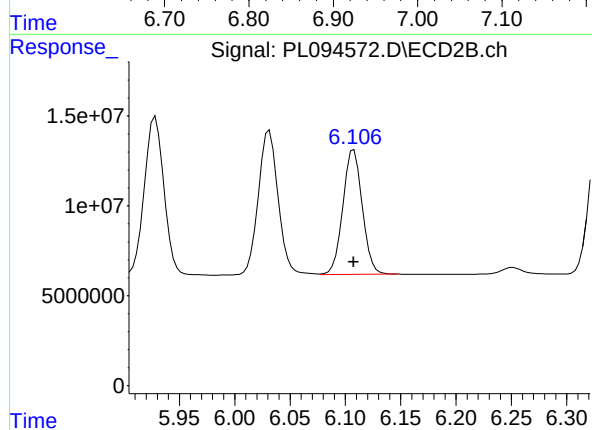
#17 4,4'-DDT

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



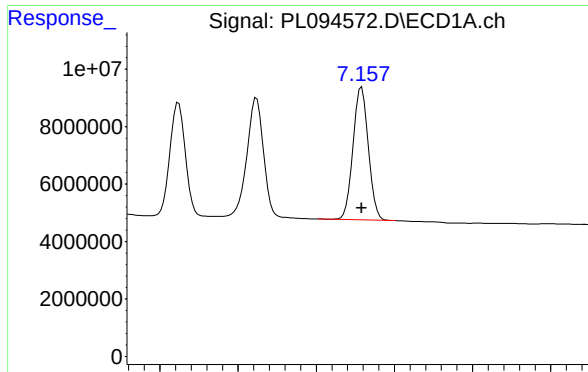
#18 Endrin aldehyde

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



#18 Endrin aldehyde

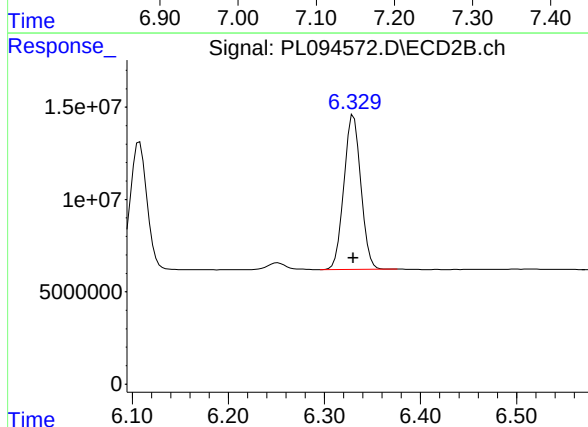
R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 84742965
Conc: 25.67 ng/ml



#19 Endosulfan Sulfate

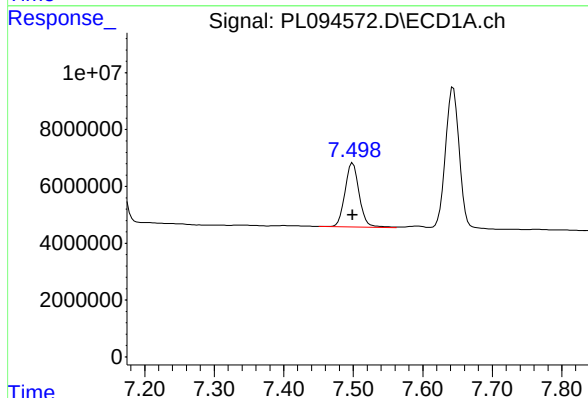
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 62993381
Conc: 27.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



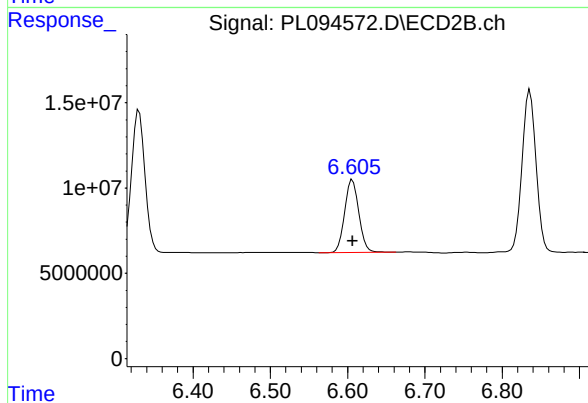
#19 Endosulfan Sulfate

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



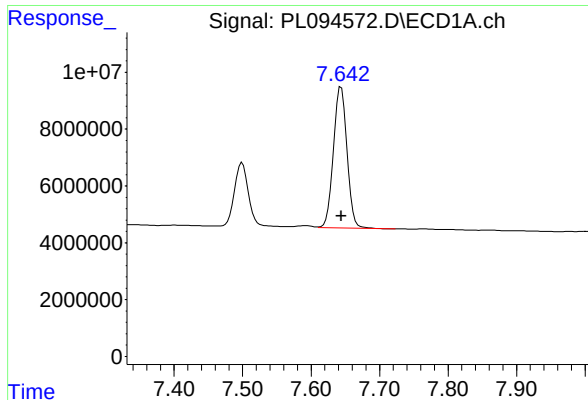
#20 Methoxychlor

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



#20 Methoxychlor

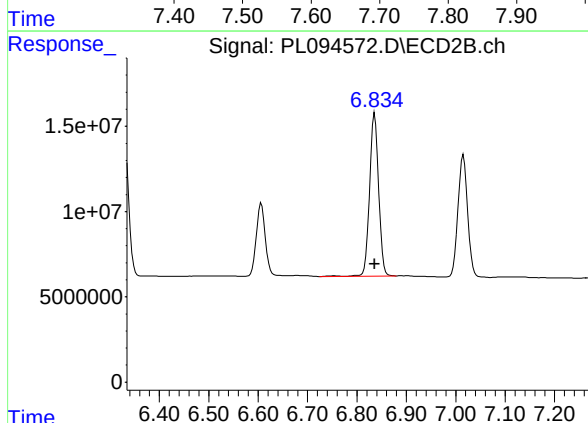
R.T.: 6.606 min
Delta R.T.: 0.000 min
Response: 53888956
Conc: 25.57 ng/ml



#21 Endrin ketone

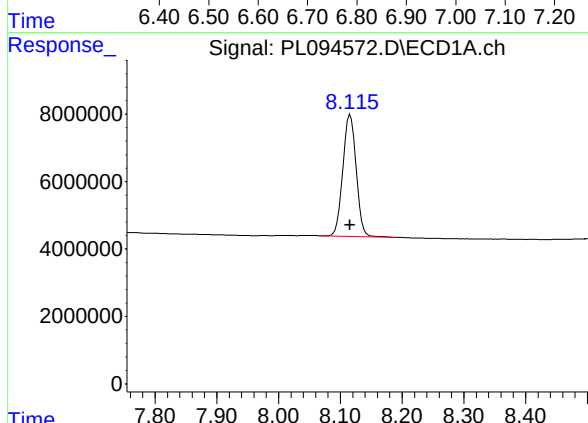
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 68364354
Conc: 26.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



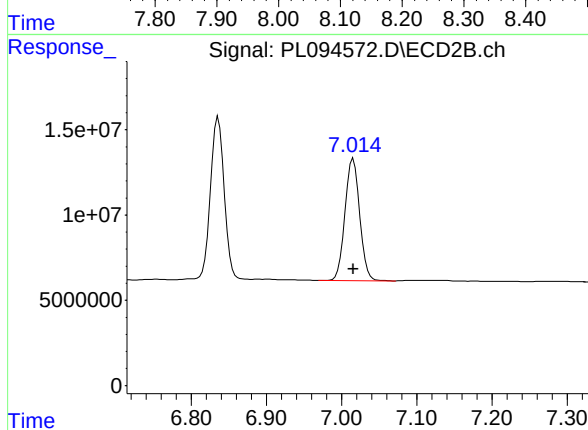
#21 Endrin ketone

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



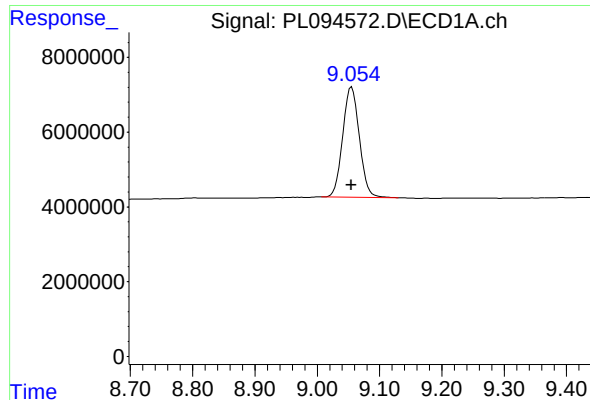
#22 Mirex

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



#22 Mirex

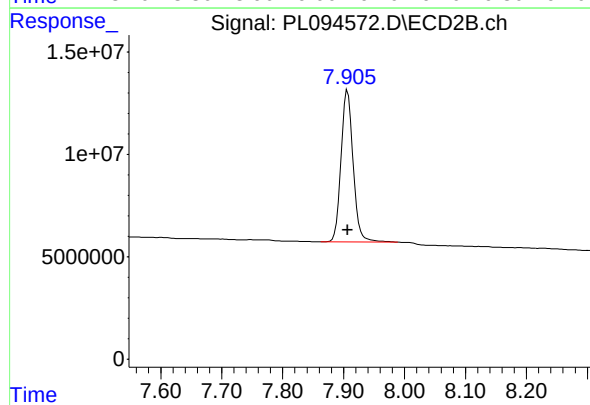
R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 97357778
Conc: 26.22 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

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

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

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

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

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

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

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

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

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

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

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

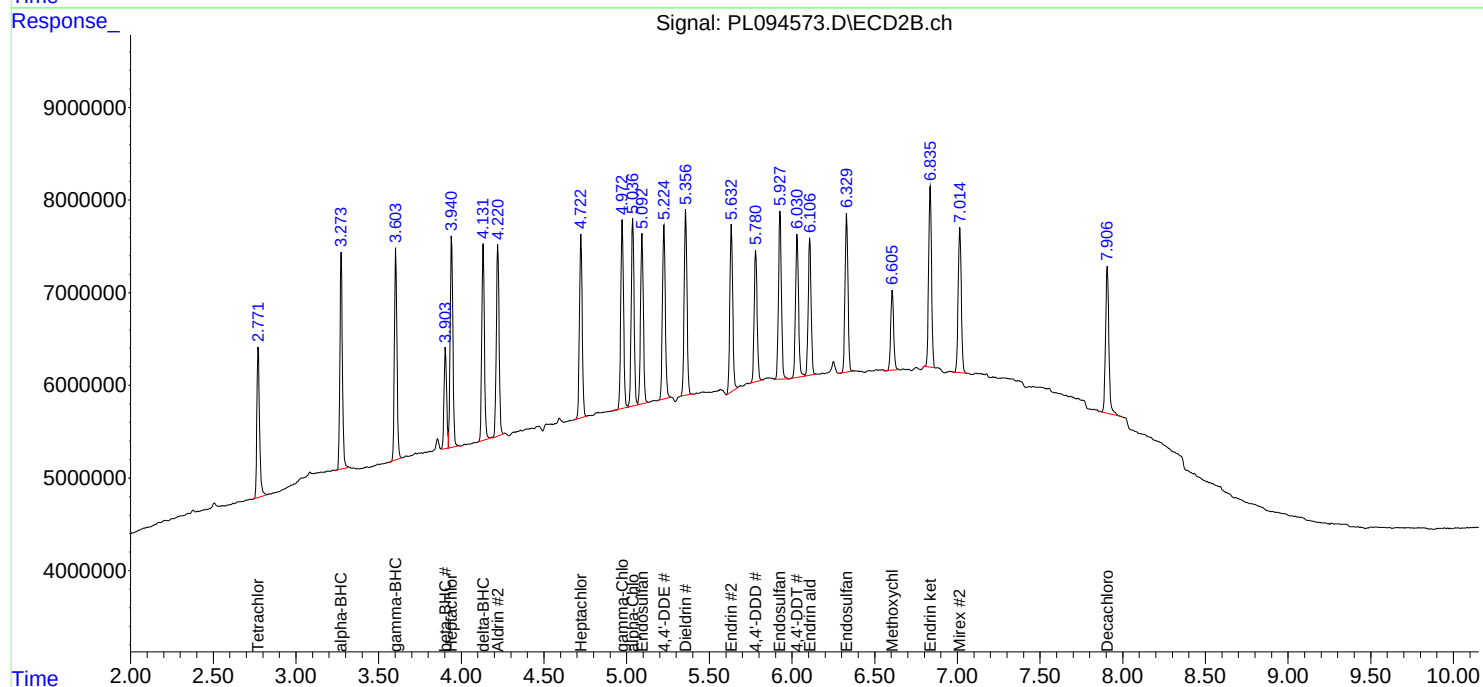
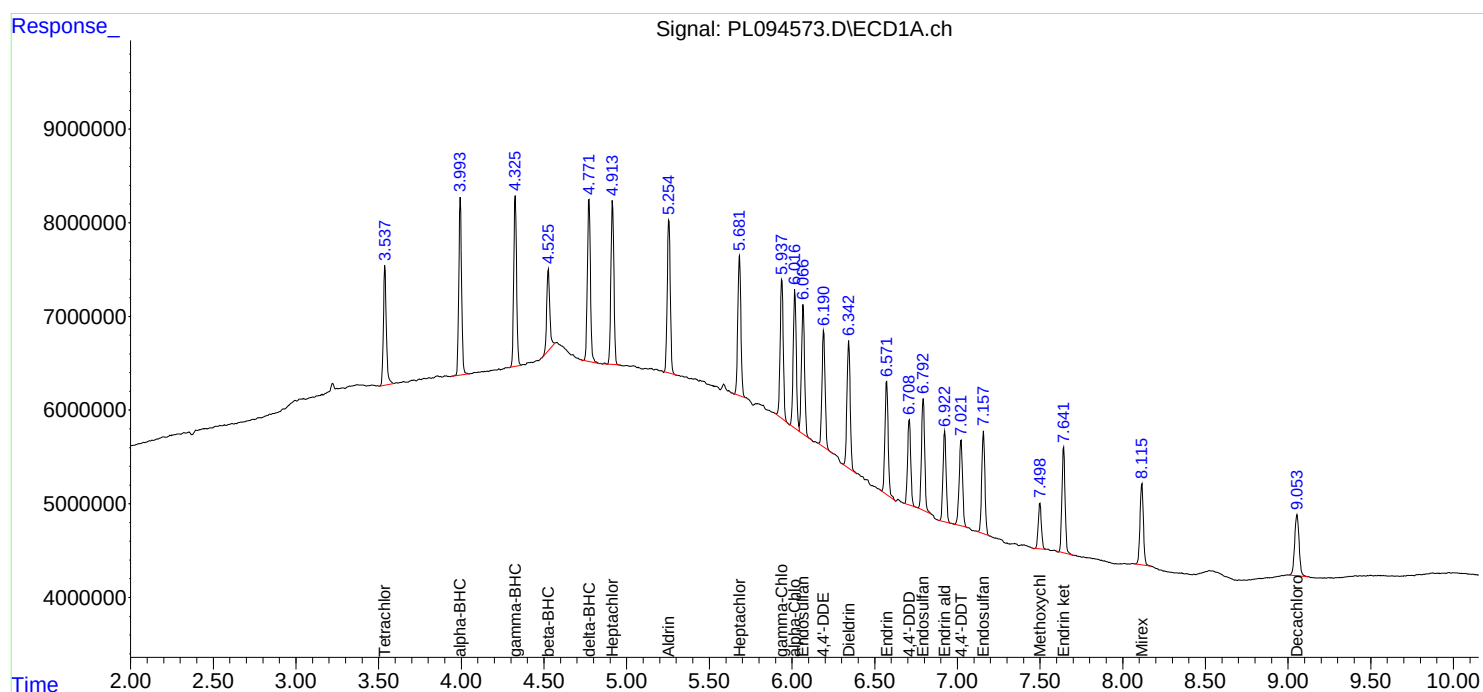
Manual Integrations

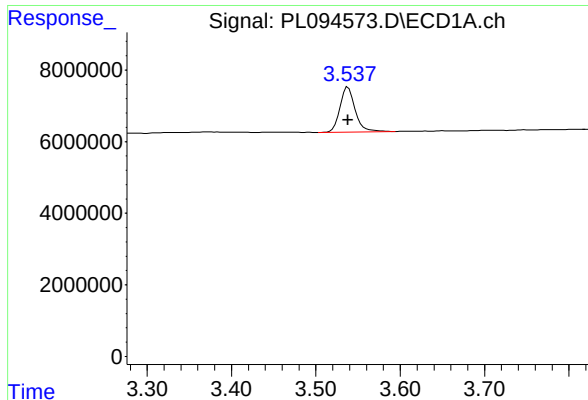
APPROVED

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

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

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





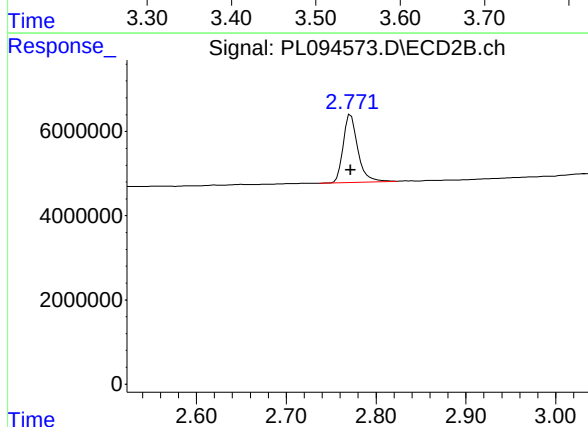
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

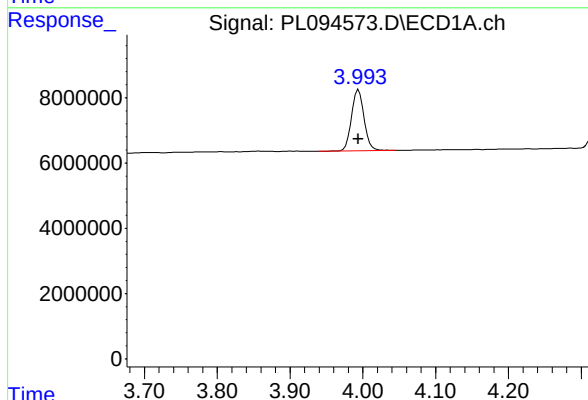
Manual Integrations
APPROVED

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



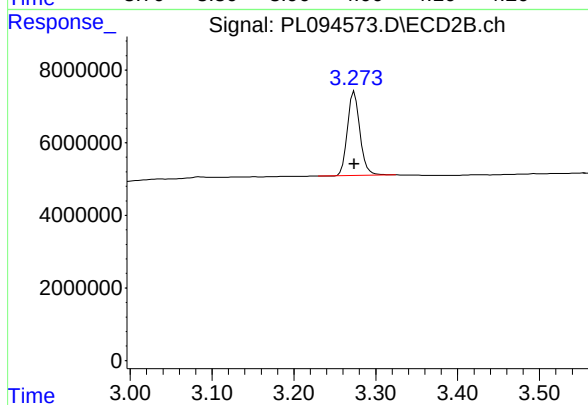
#1 Tetrachloro-m-xylene

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



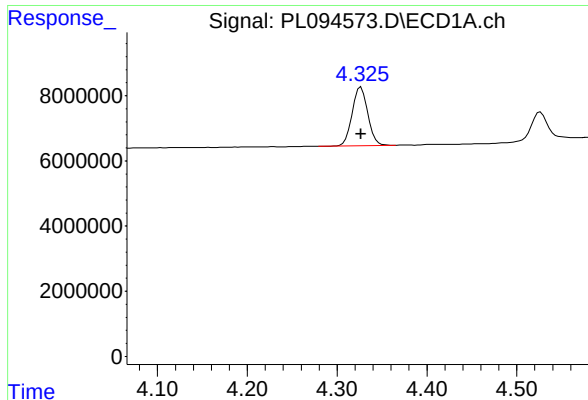
#2 alpha-BHC

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



#2 alpha-BHC

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



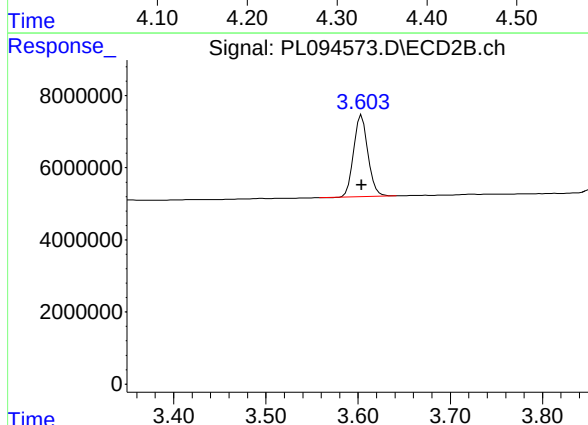
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

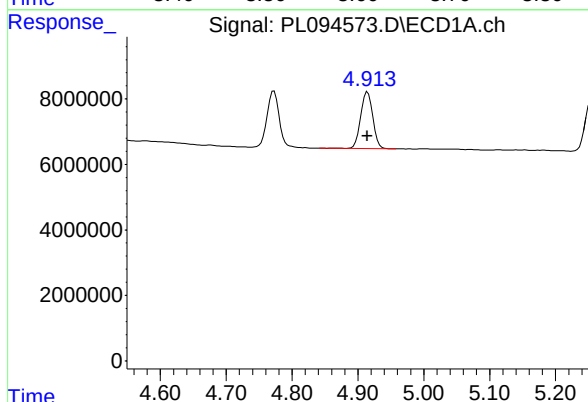
Manual Integrations
APPROVED

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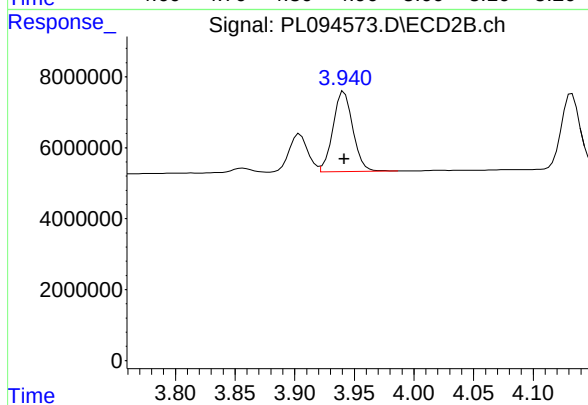
#3 gamma-BHC (Lindane)

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



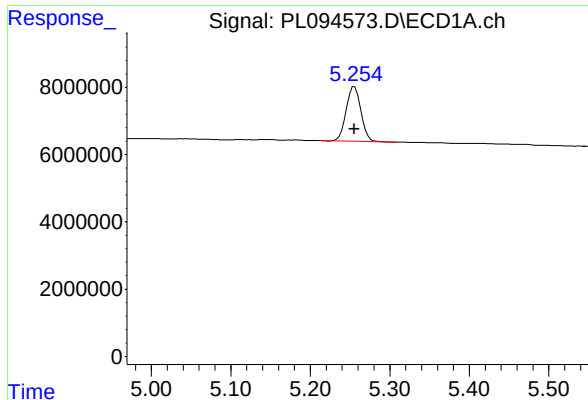
#4 Heptachlor

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



#4 Heptachlor

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



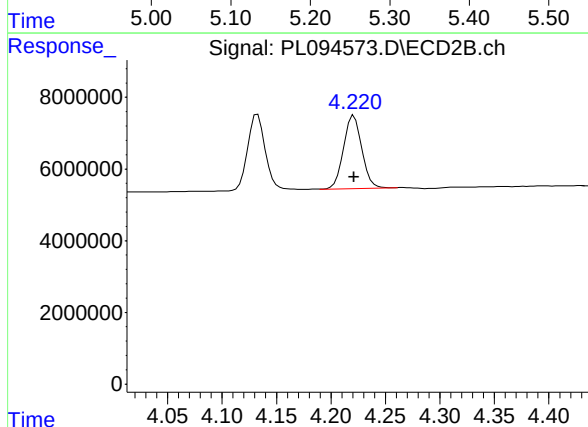
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

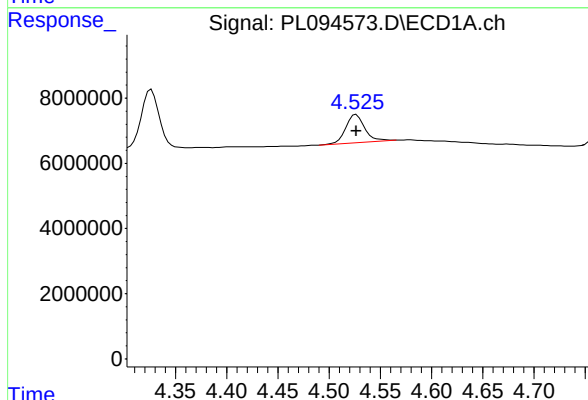
Manual Integrations
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Reviewed By :Abdul Mirza 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



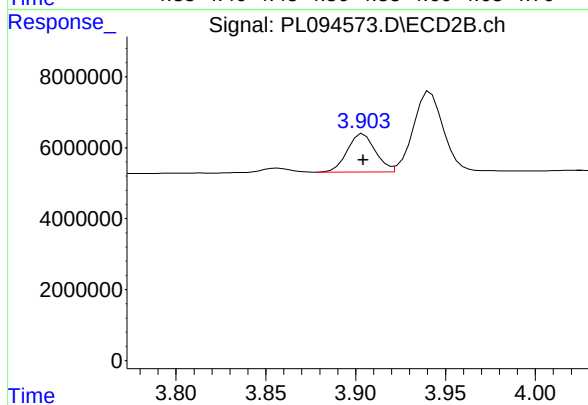
#5 Aldrin

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



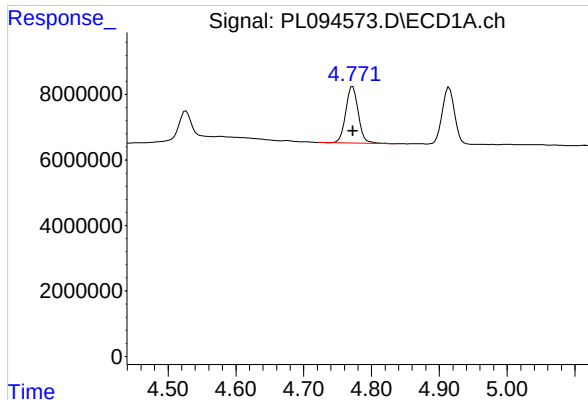
#6 beta-BHC

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



#6 beta-BHC

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



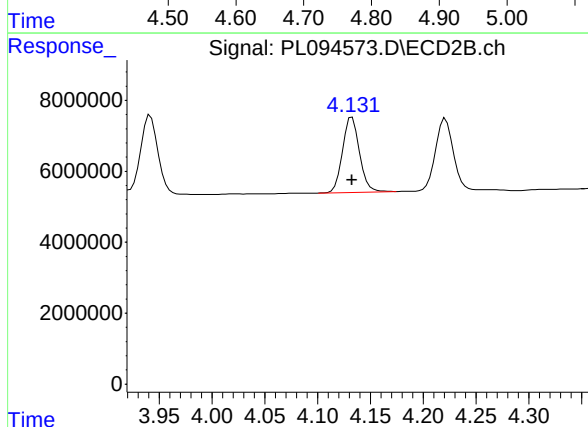
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

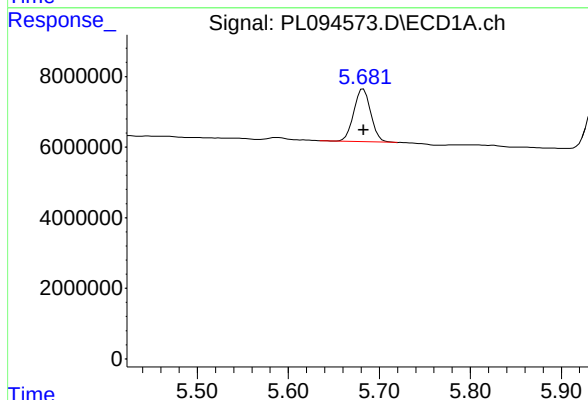
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



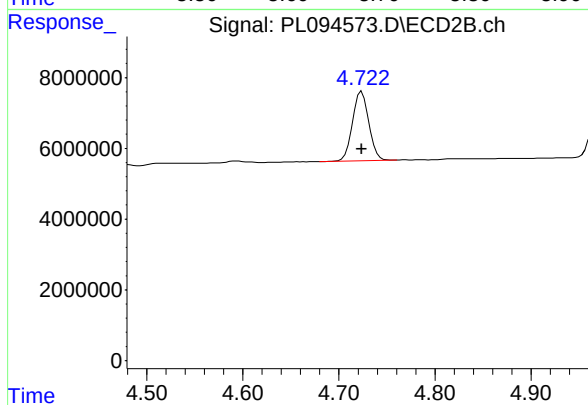
#7 delta-BHC

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



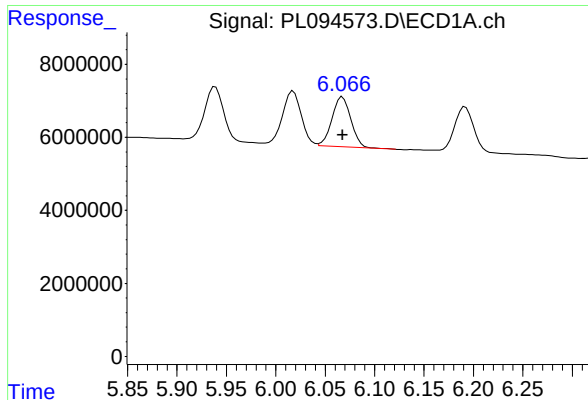
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

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



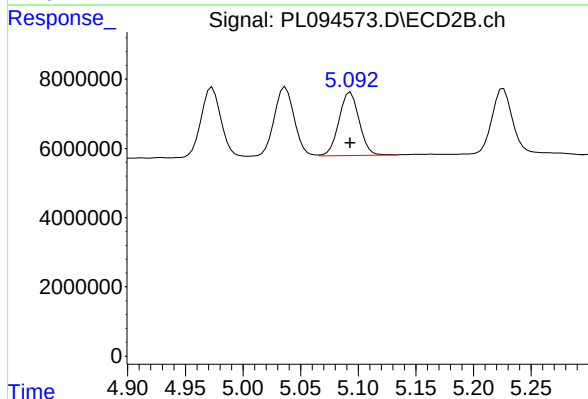
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

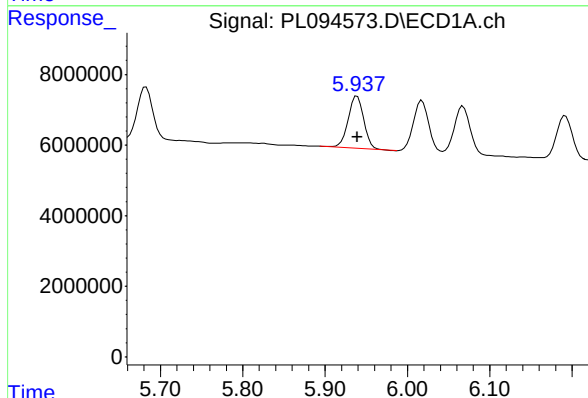
Manual Integrations
APPROVED

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



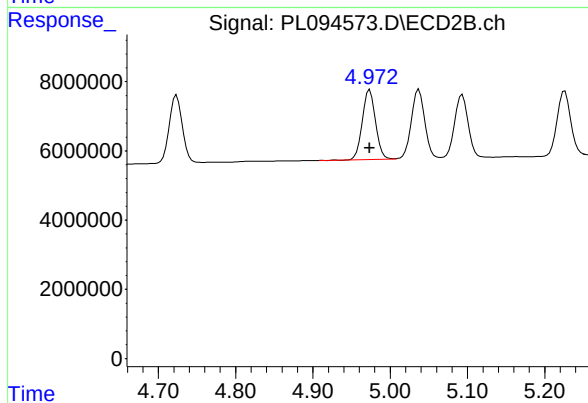
#9 Endosulfan I

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



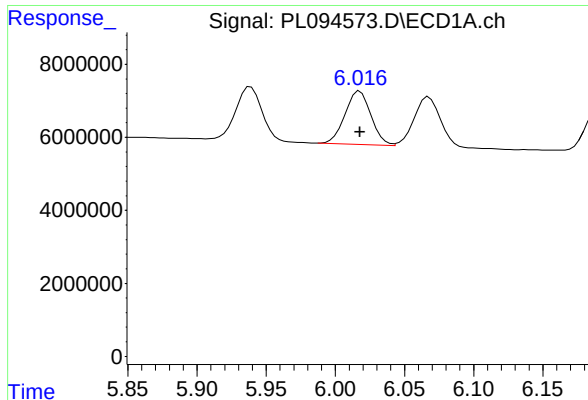
#10 gamma-Chlordane

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



#10 gamma-Chlordane

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



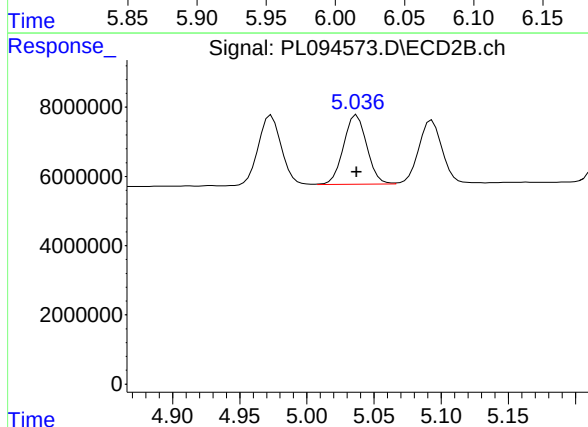
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

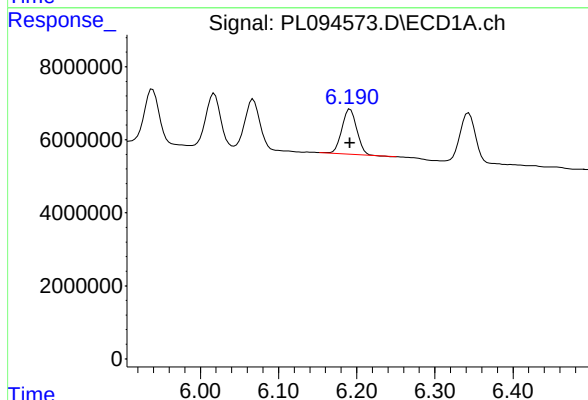
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



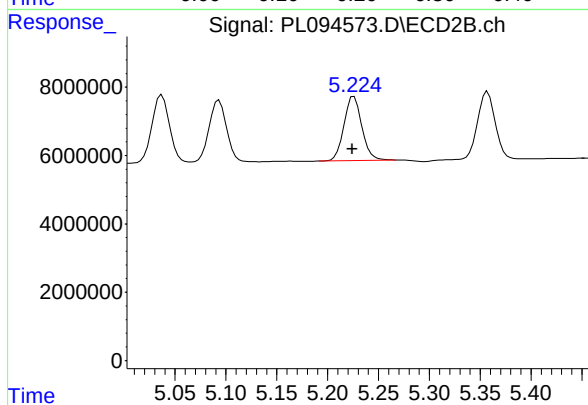
#11 alpha-Chlordane

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



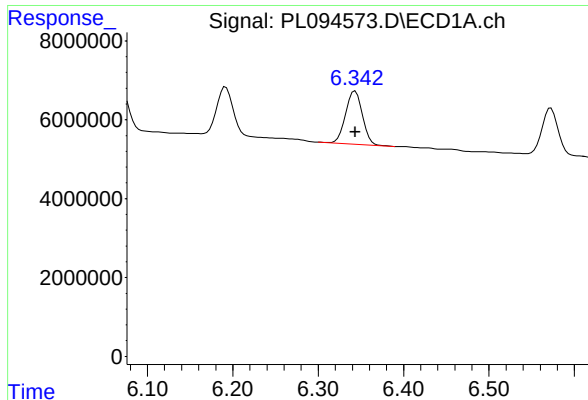
#12 4,4'-DDE

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



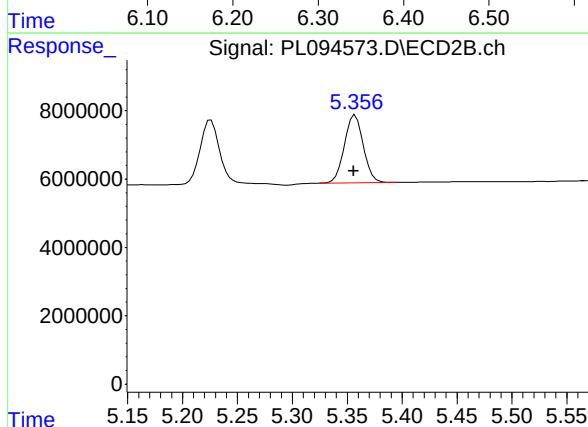
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

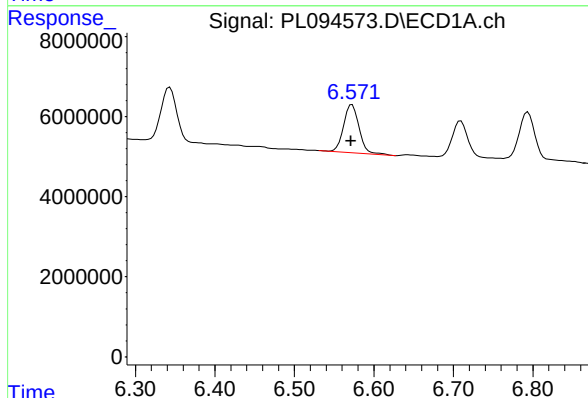
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/12/2025



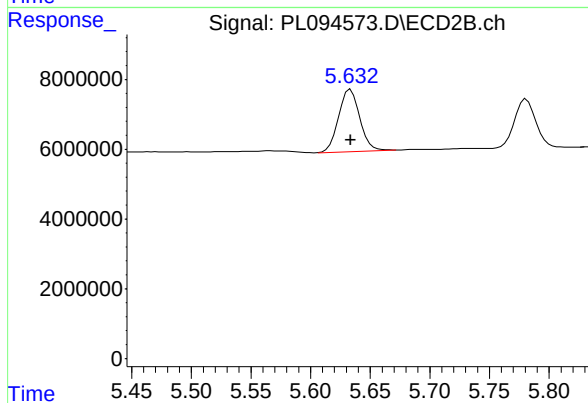
#13 Dieldrin

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



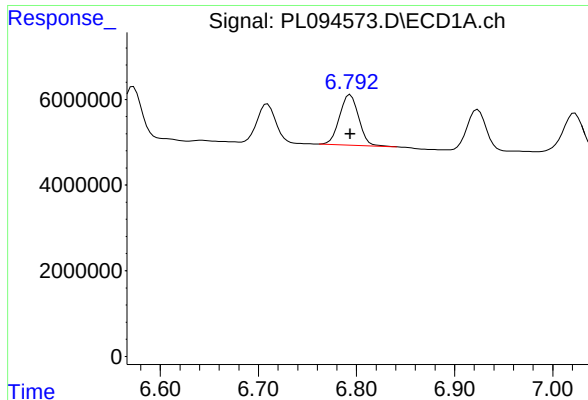
#14 Endrin

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



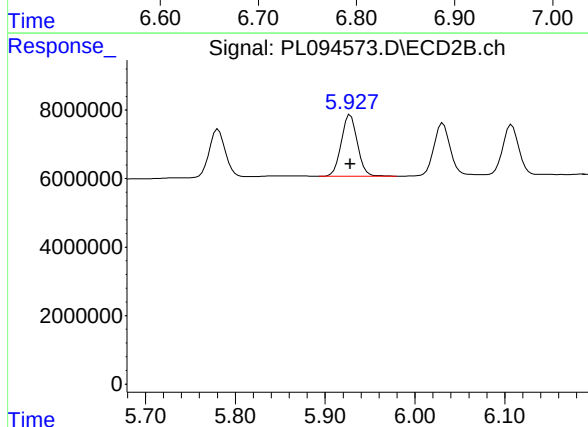
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

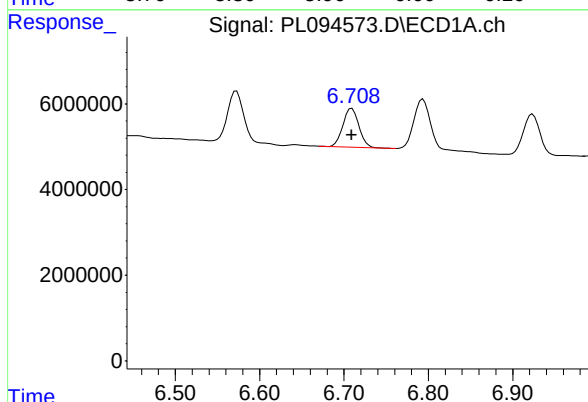
Manual Integrations
APPROVED

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



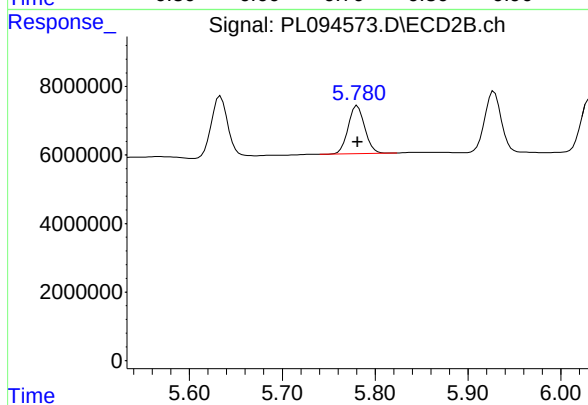
#15 Endosulfan II

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



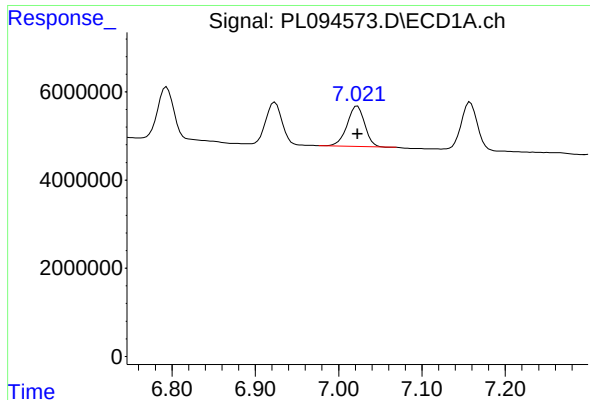
#16 4,4'-DDD

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



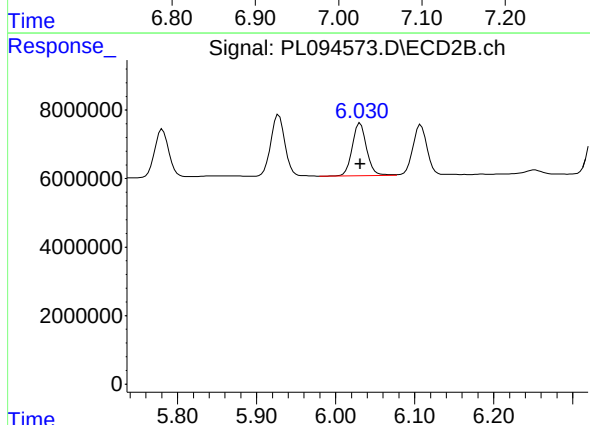
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

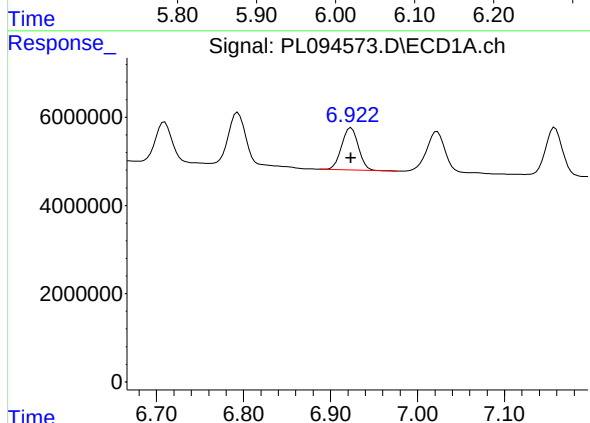
Manual Integrations
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Supervised By :Ankita Jodhani 03/12/2025



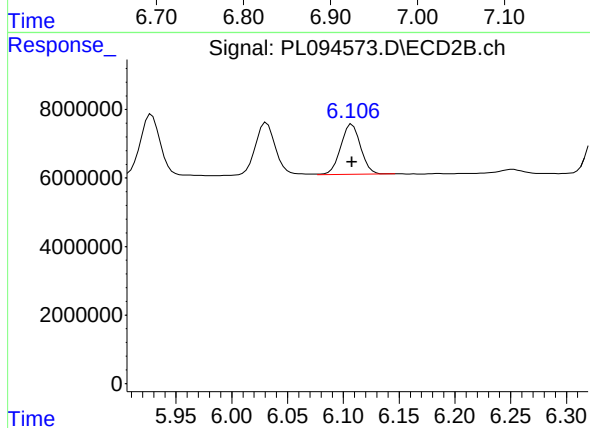
#17 4,4'-DDT

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



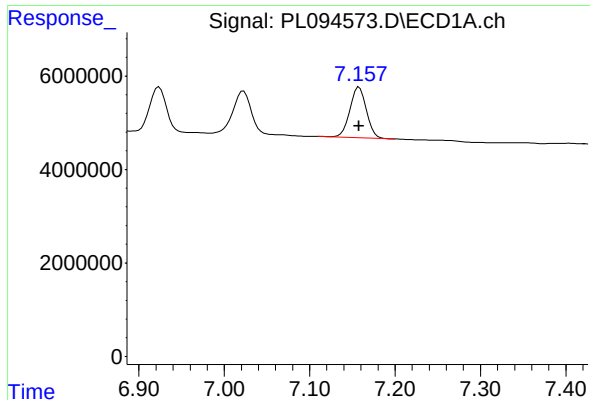
#18 Endrin aldehyde

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



#18 Endrin aldehyde

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



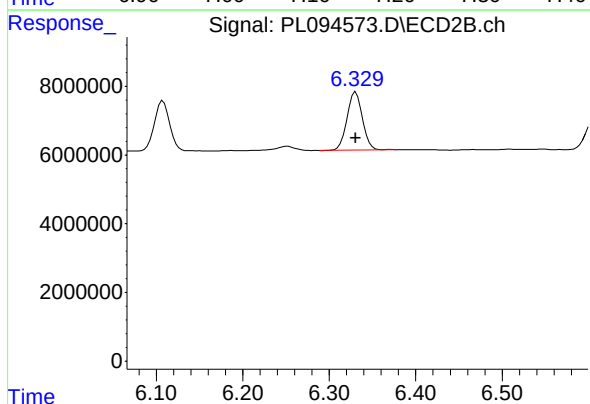
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

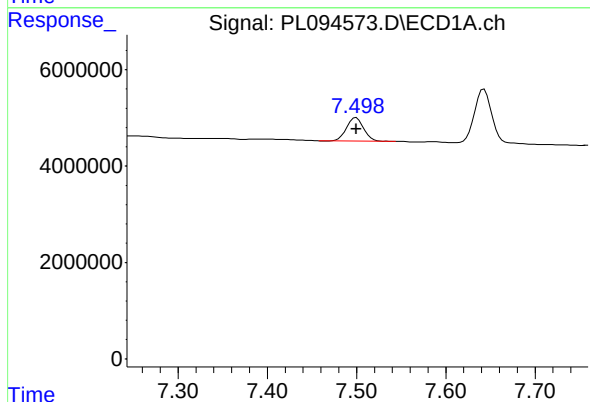
Manual Integrations
APPROVED

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



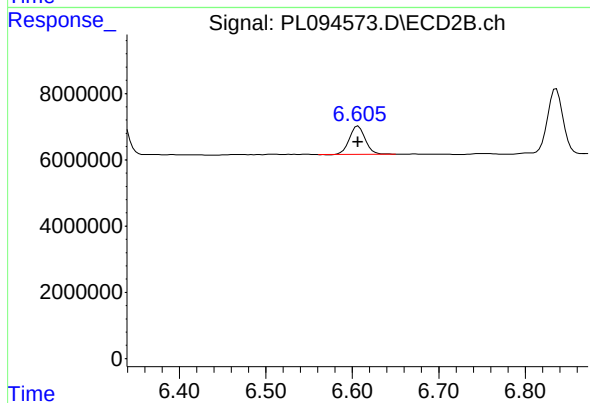
#19 Endosulfan Sulfate

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



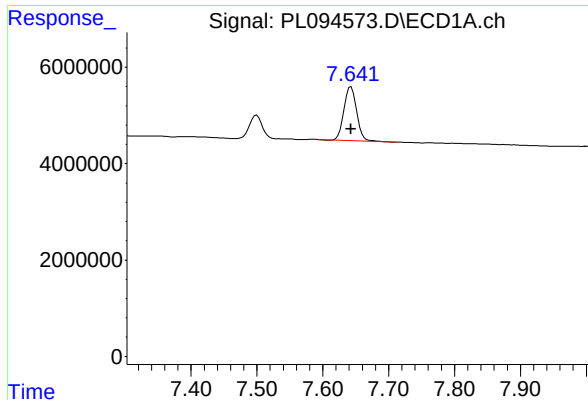
#20 Methoxychlor

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



#20 Methoxychlor

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



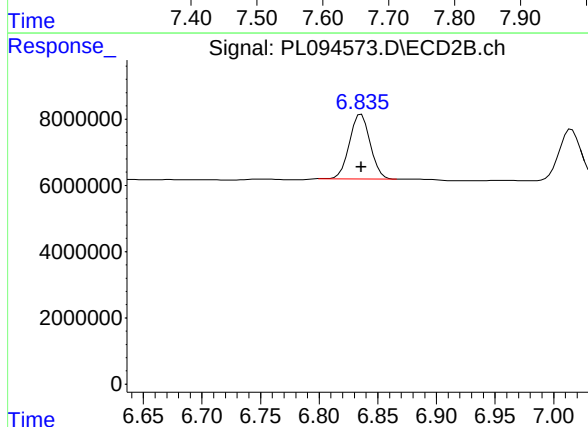
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

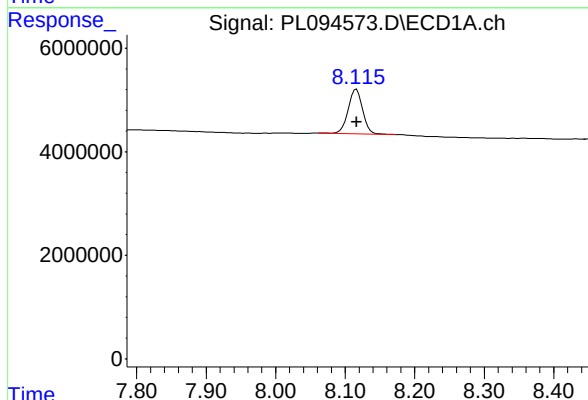
Manual Integrations
APPROVED

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



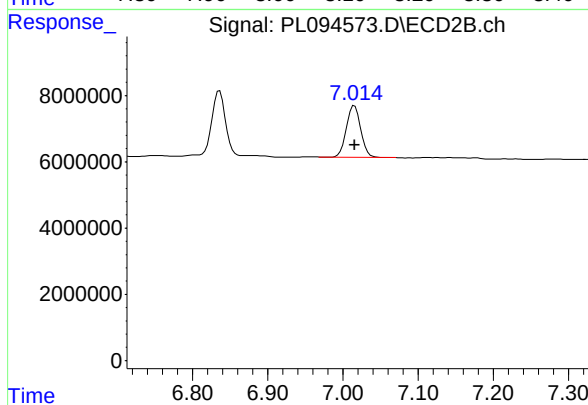
#21 Endrin ketone

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



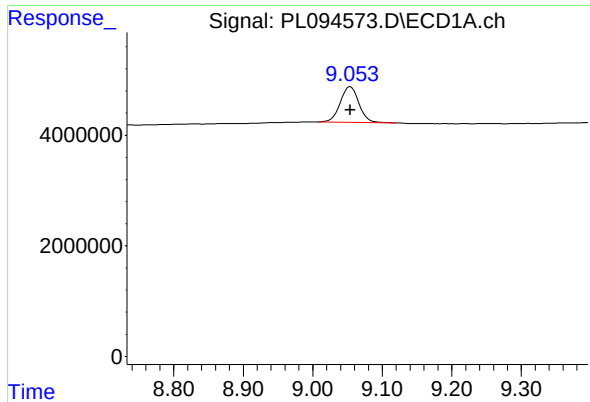
#22 Mirex

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



#22 Mirex

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



#28 Decachlorobiphenyl

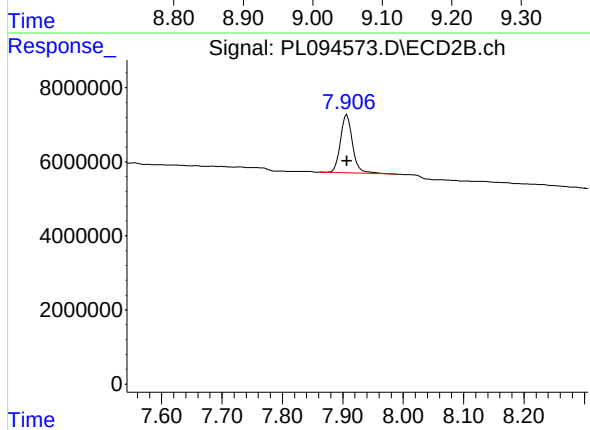
ICAL Form

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

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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

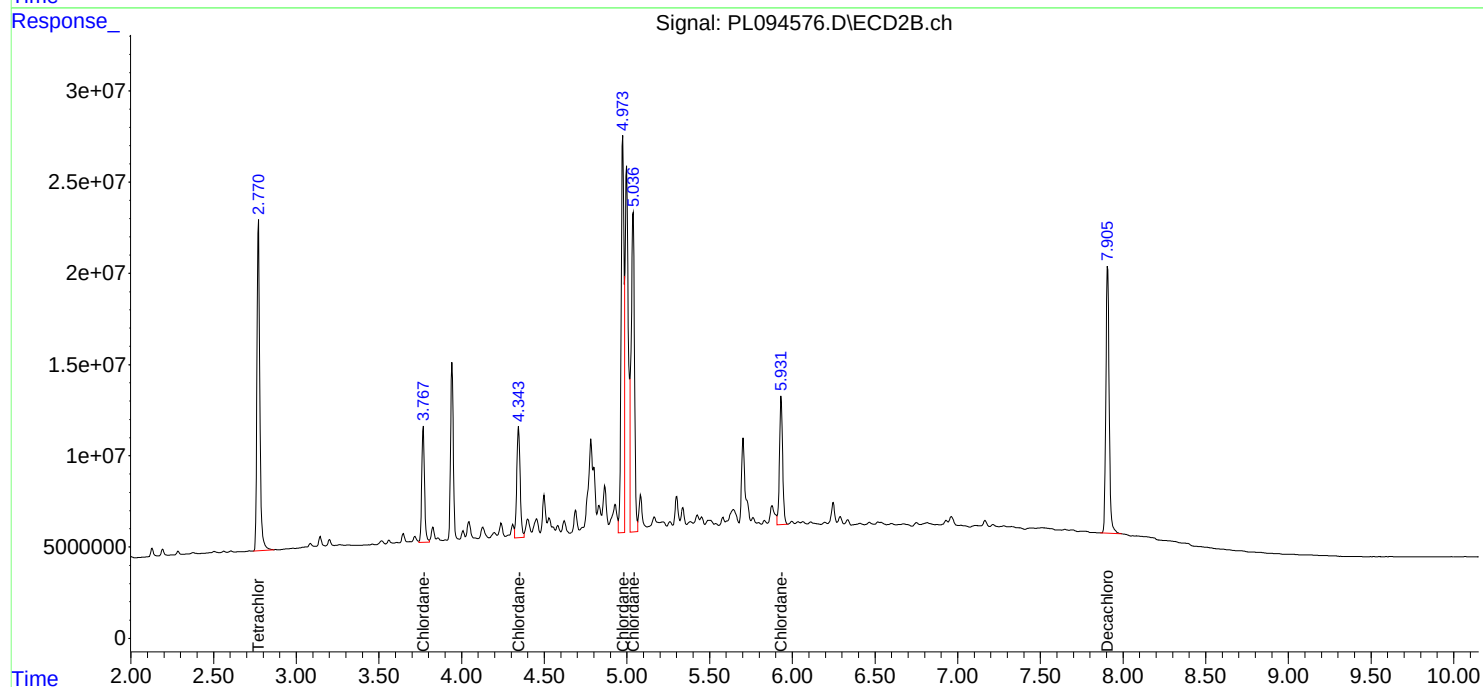
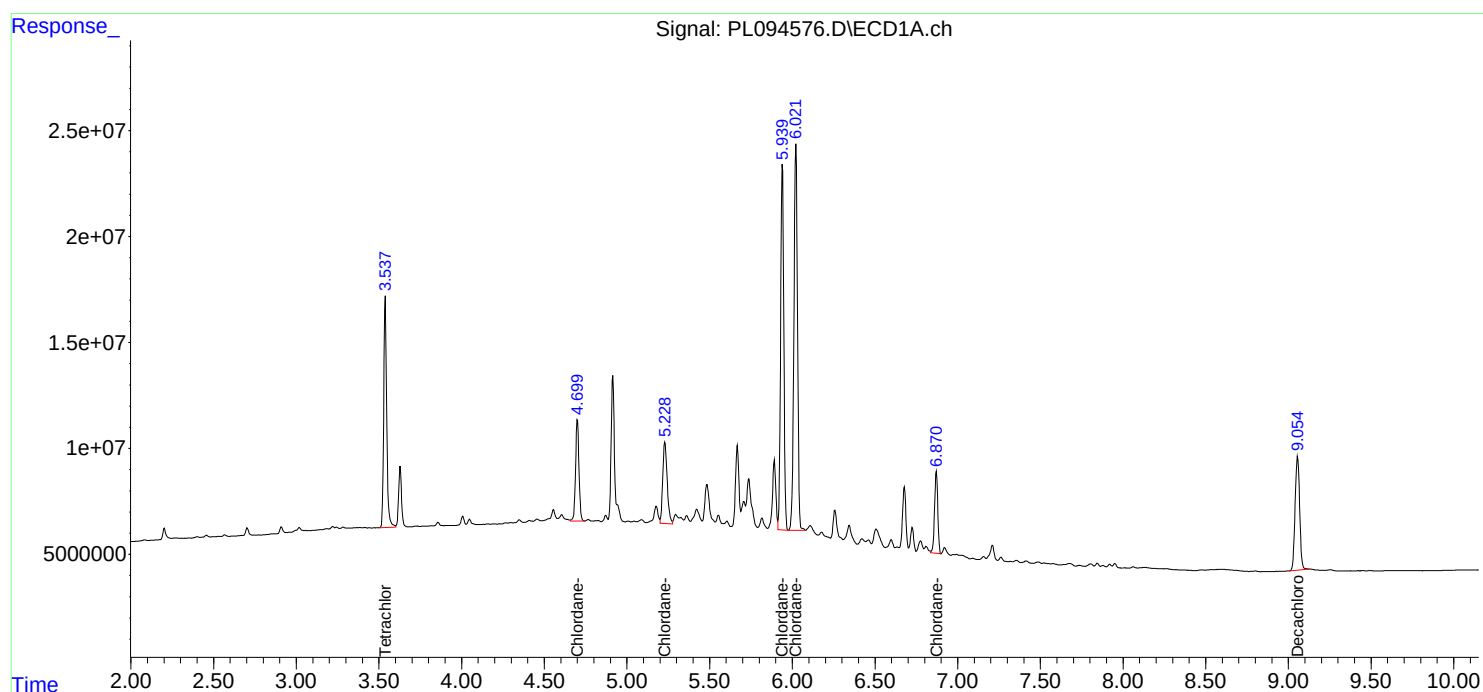
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

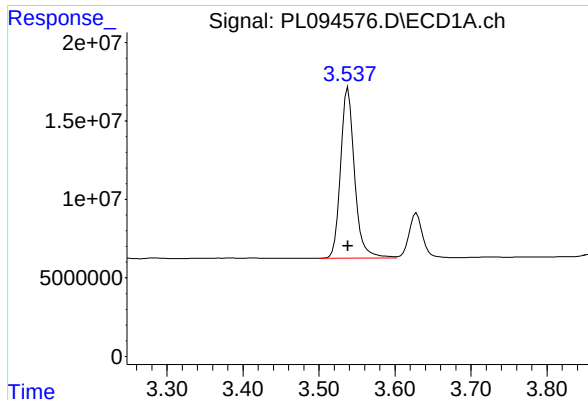
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 12:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

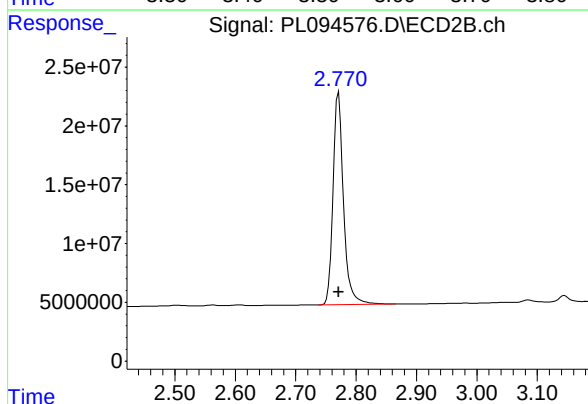




#1 Tetrachloro-m-xylene

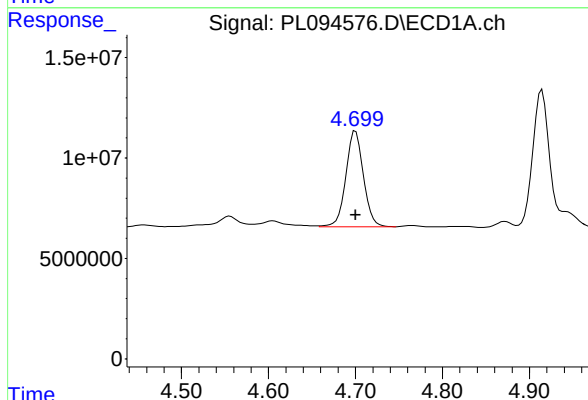
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 137550046
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



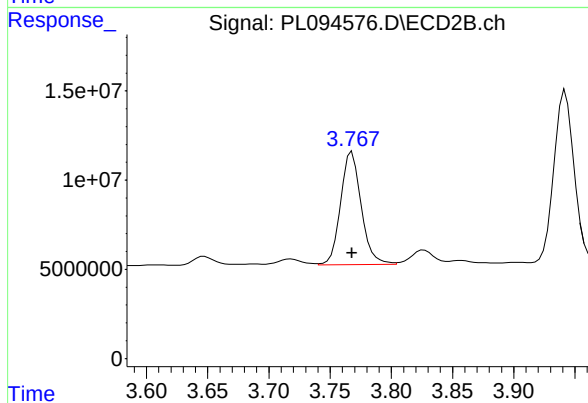
#1 Tetrachloro-m-xylene

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



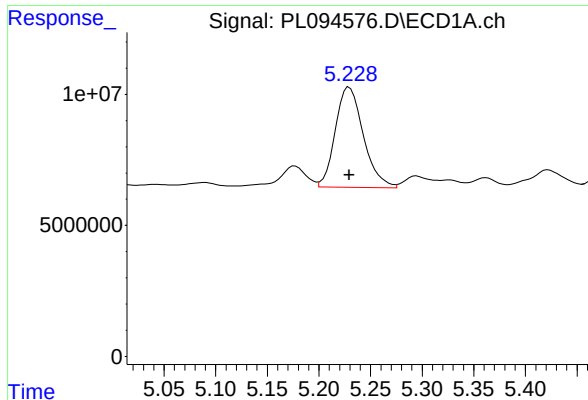
#23 Chlordane-1

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



#23 Chlordane-1

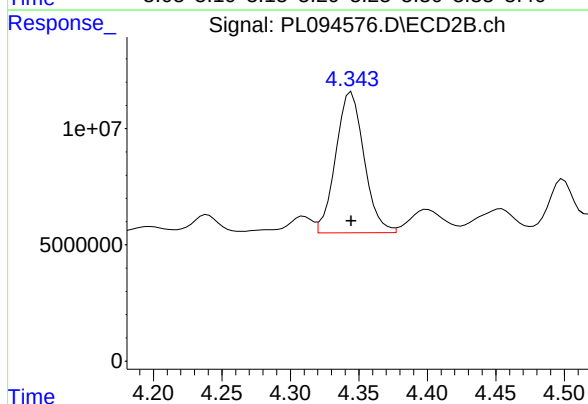
R.T.: 3.768 min
Delta R.T.: 0.000 min
Response: 74220750
Conc: 500.00 ng/ml



#24 Chlordane-2

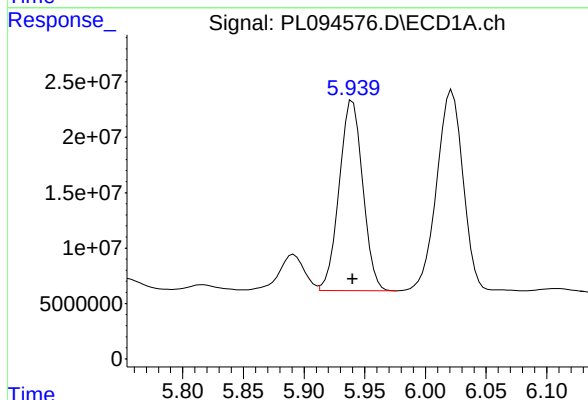
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 72325929
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



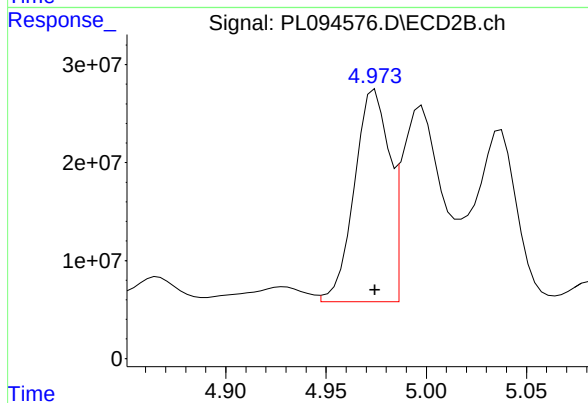
#24 Chlordane-2

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



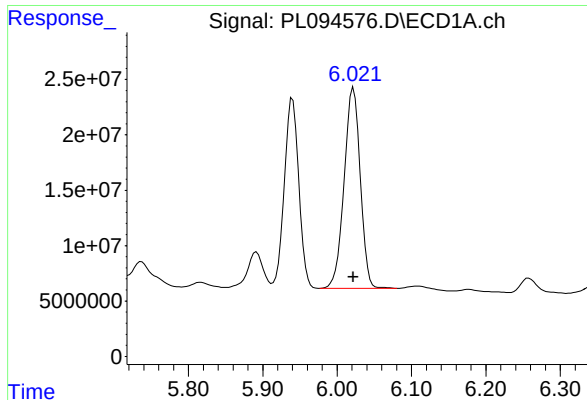
#25 Chlordane-3

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



#25 Chlordane-3

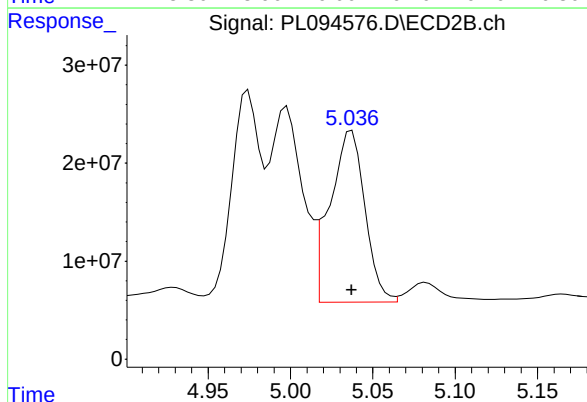
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 261258464
Conc: 500.00 ng/ml



#26 Chlordane-4

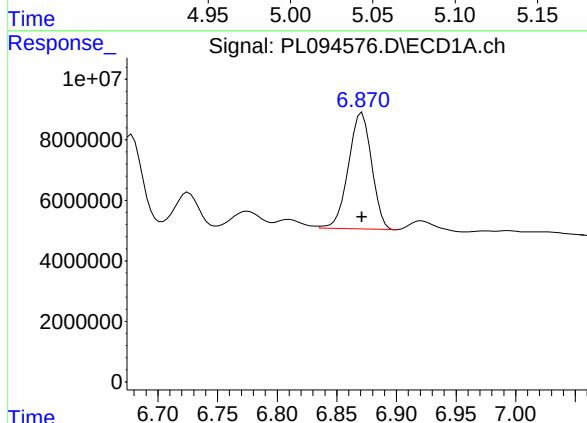
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 273855108
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



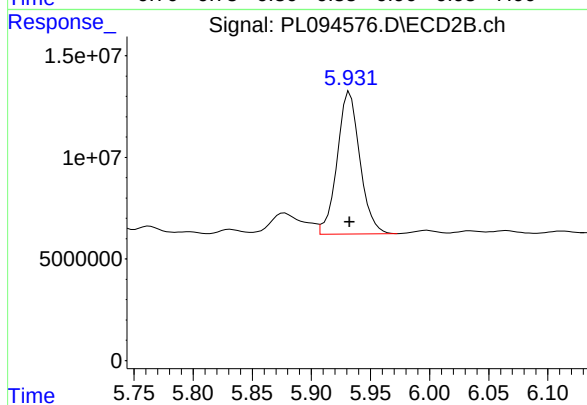
#26 Chlordane-4

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



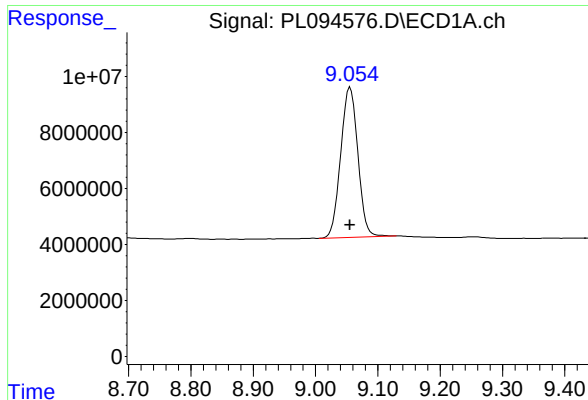
#27 Chlordane-5

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



#27 Chlordane-5

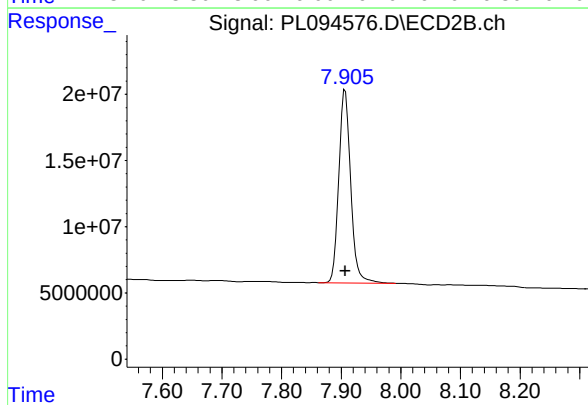
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 93588494
Conc: 500.00 ng/ml



#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

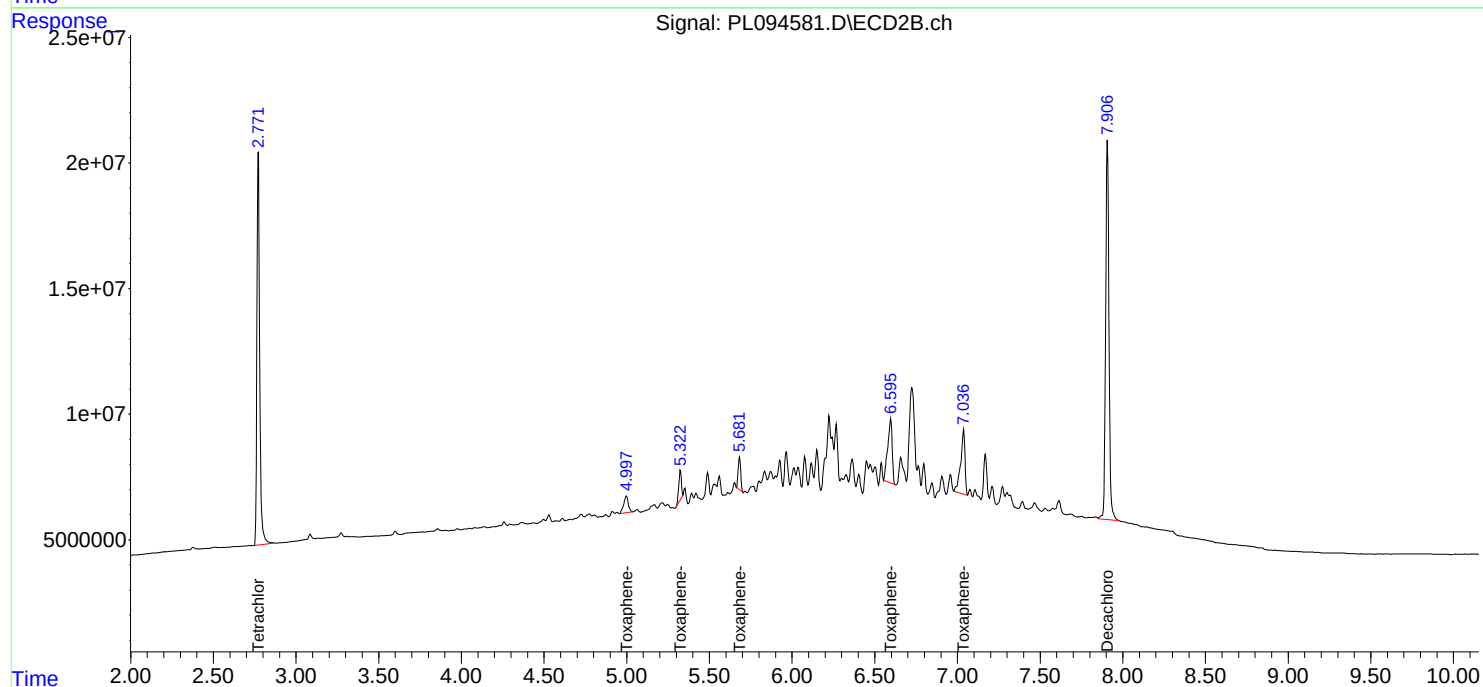
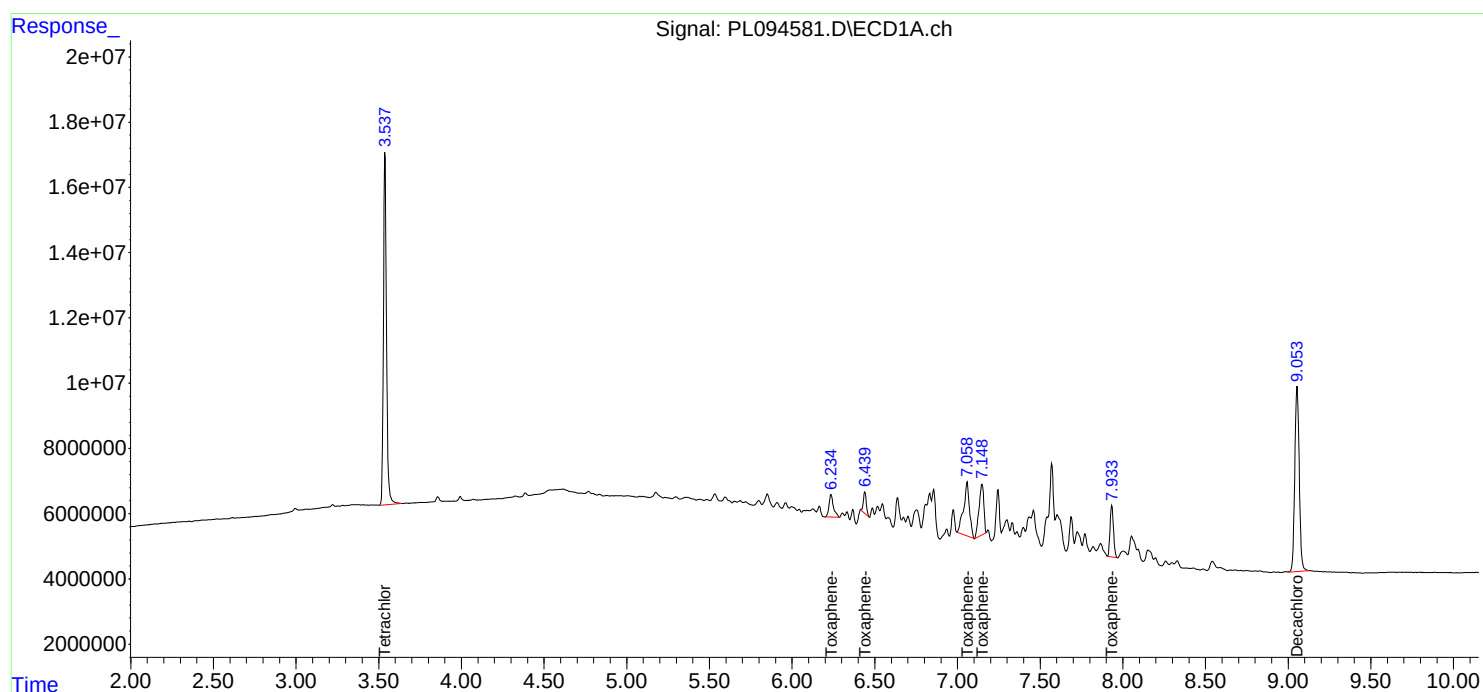
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

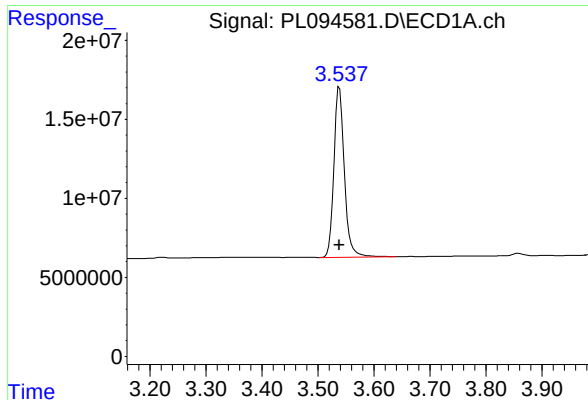
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094581.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

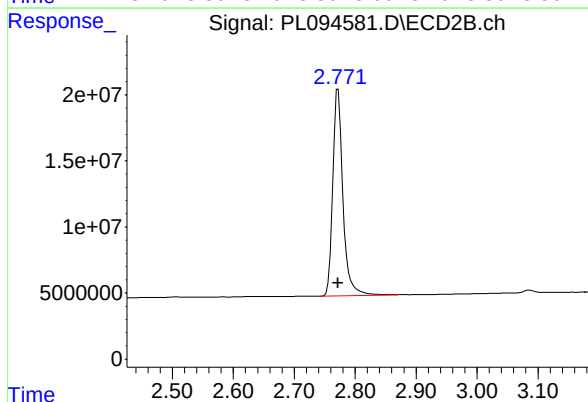




#1 Tetrachloro-m-xylene

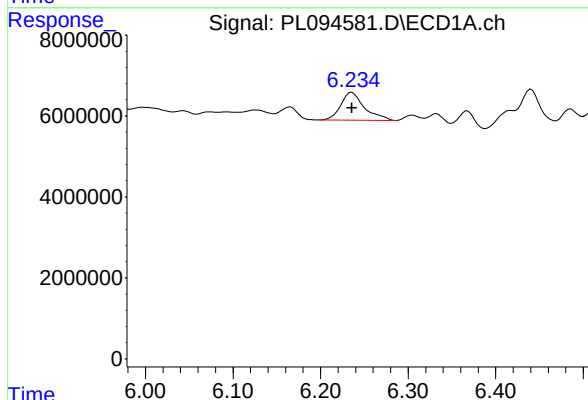
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 140277499
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



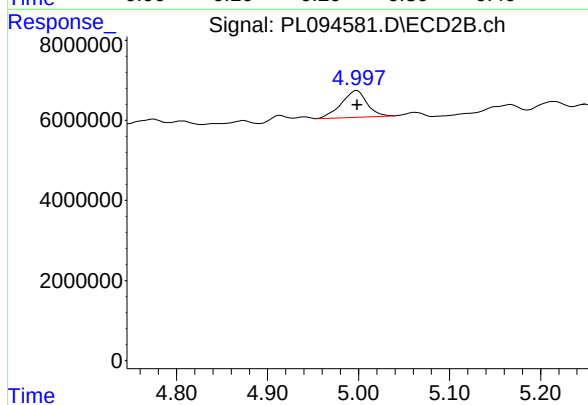
#1 Tetrachloro-m-xylene

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



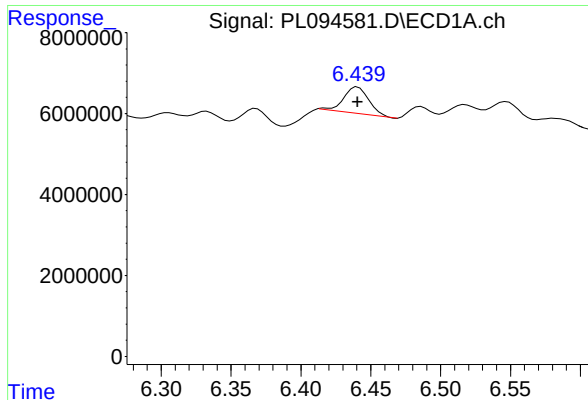
#2 Toxaphene-1

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



#2 Toxaphene-1

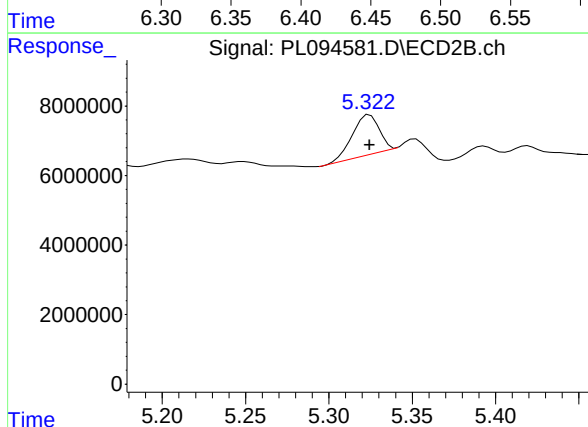
R.T.: 4.999 min
Delta R.T.: 0.000 min
Response: 13010166
Conc: 500.00 ng/ml



#3 Toxaphene-2

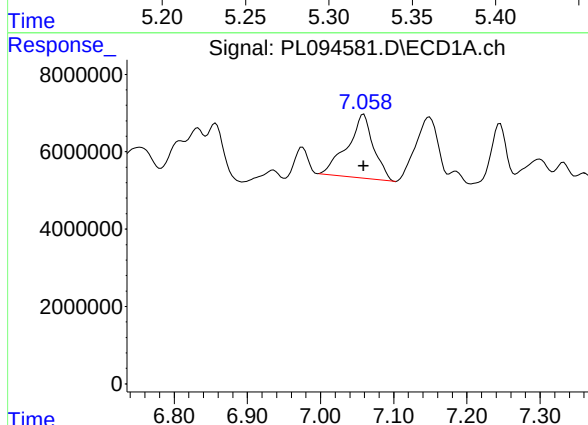
R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 8198781
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



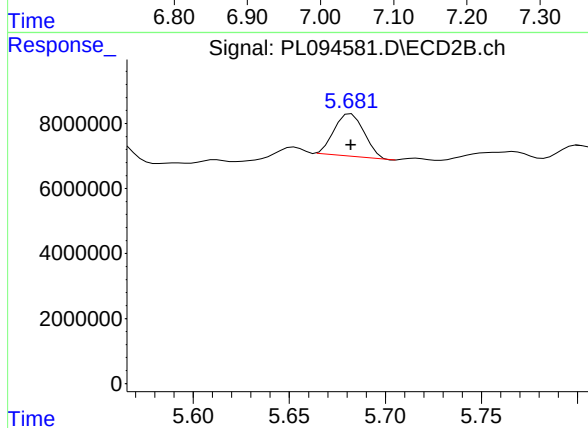
#3 Toxaphene-2

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



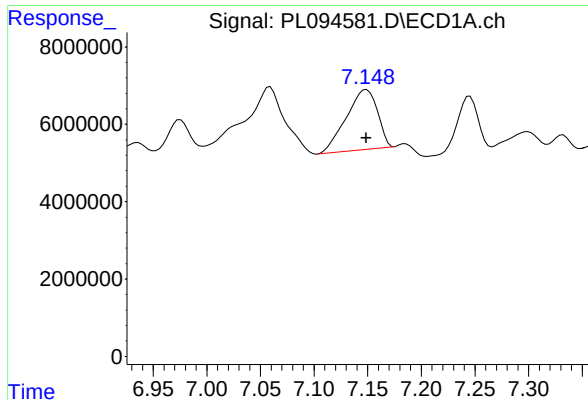
#4 Toxaphene-3

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



#4 Toxaphene-3

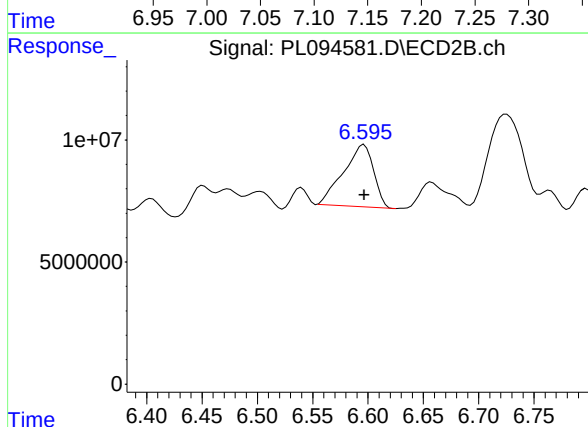
R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 14118201
Conc: 500.00 ng/ml



#5 Toxaphene-4

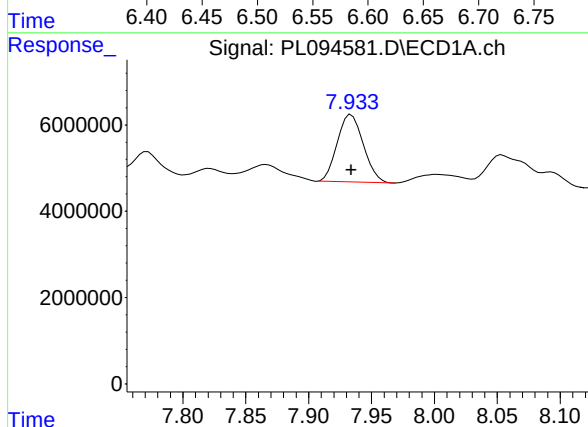
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 31471621
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



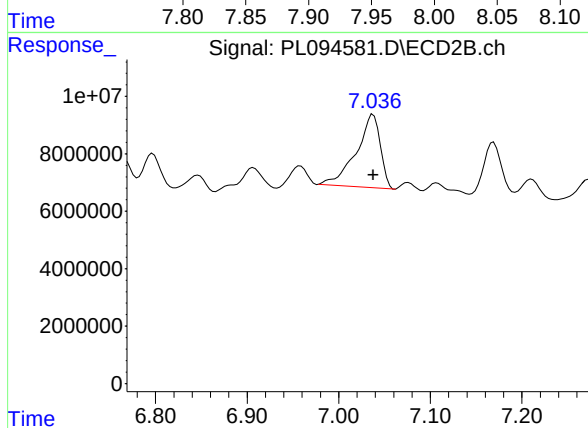
#5 Toxaphene-4

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



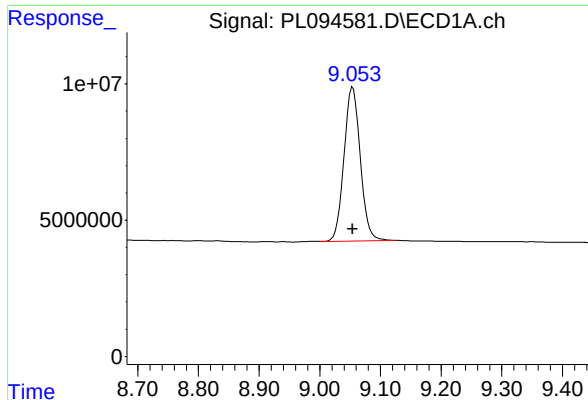
#6 Toxaphene-5

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



#6 Toxaphene-5

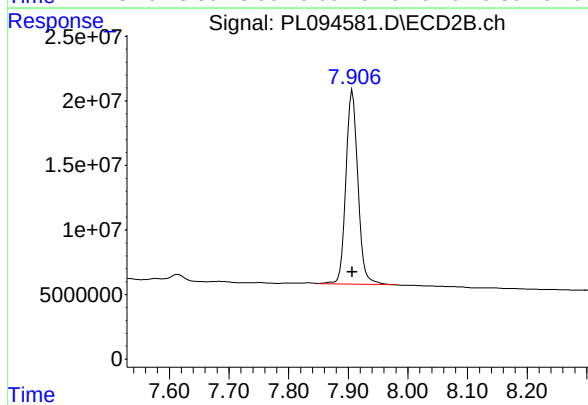
R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 46668809
Conc: 500.00 ng/ml



#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

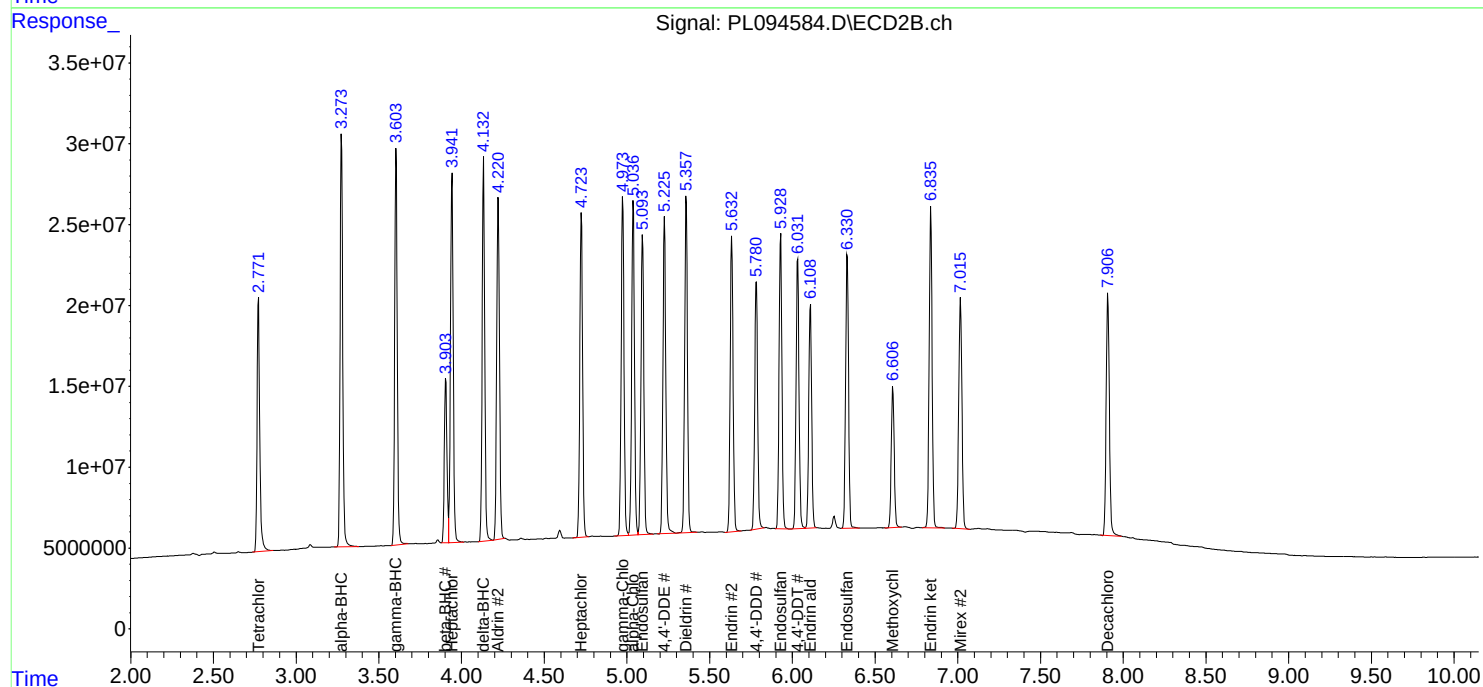
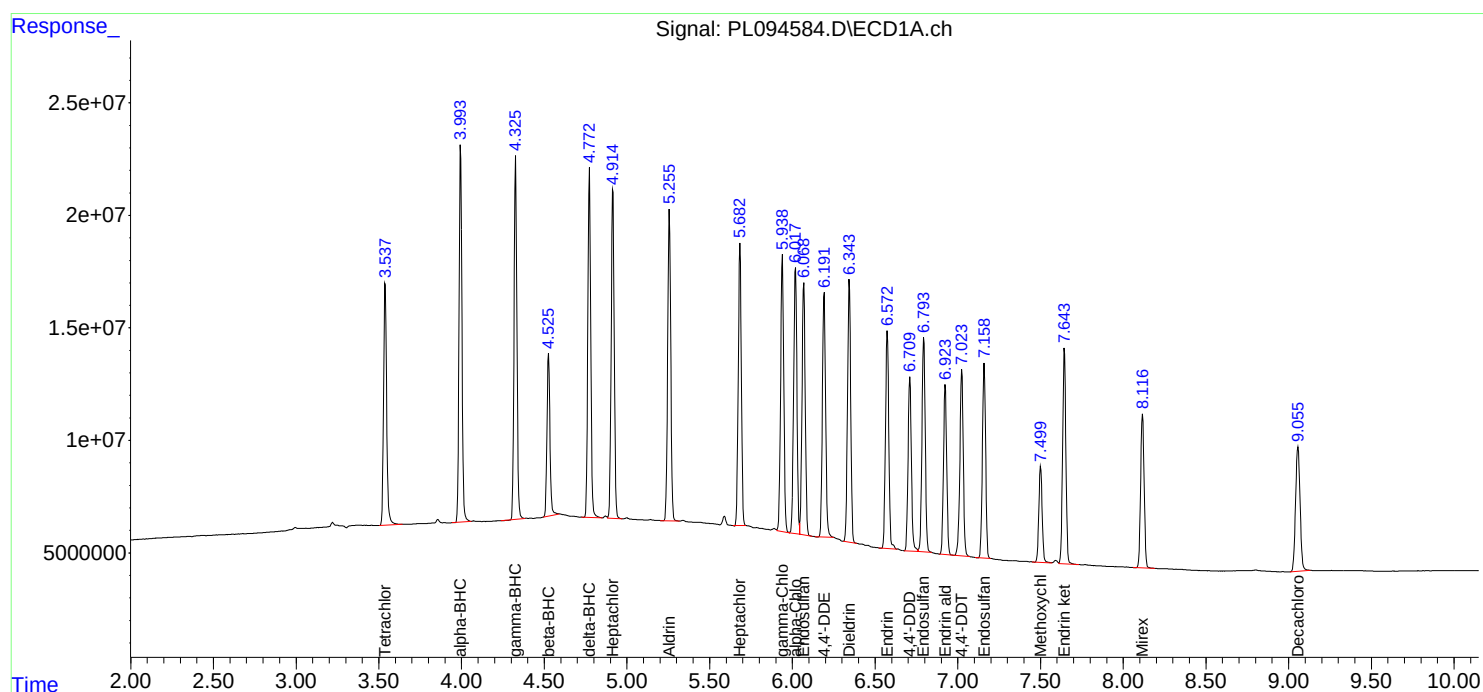
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

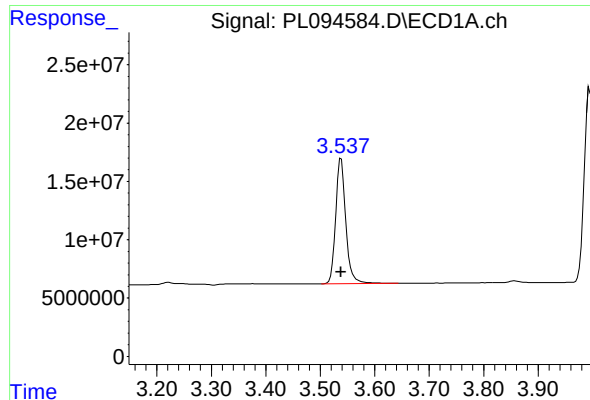
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 13:59
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

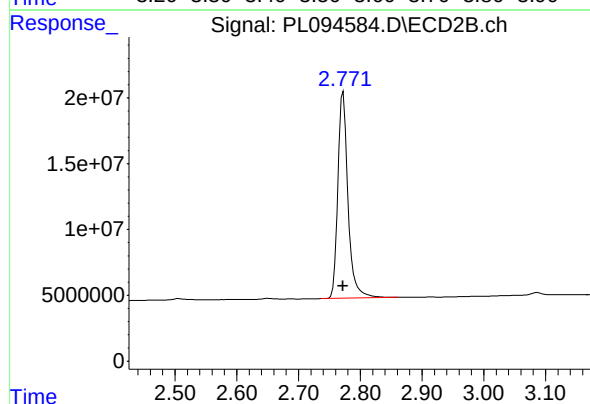




#1 Tetrachloro-m-xylene

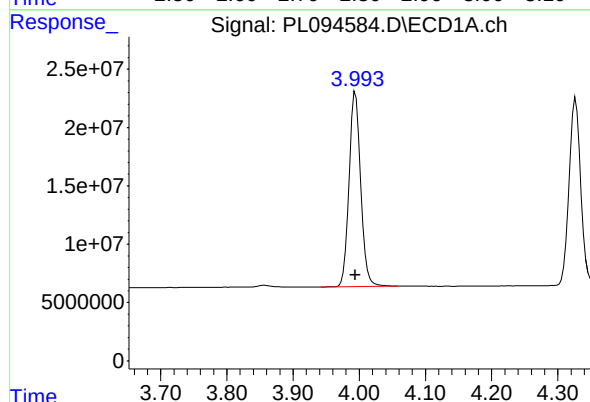
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 138556643
Conc: 48.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



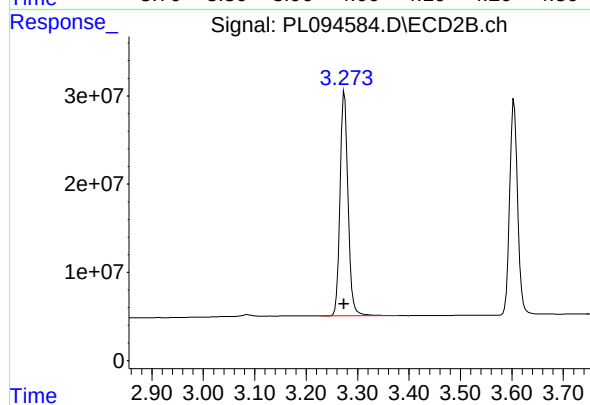
#1 Tetrachloro-m-xylene

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



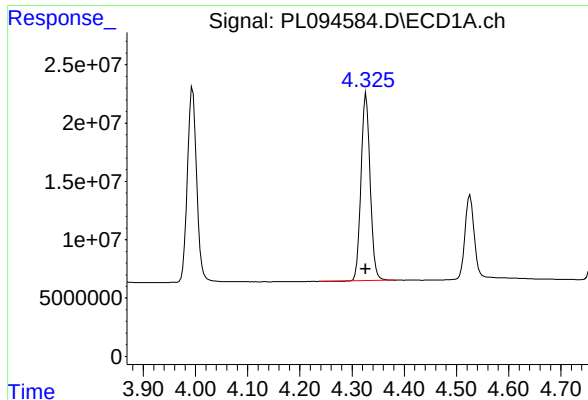
#2 alpha-BHC

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



#2 alpha-BHC

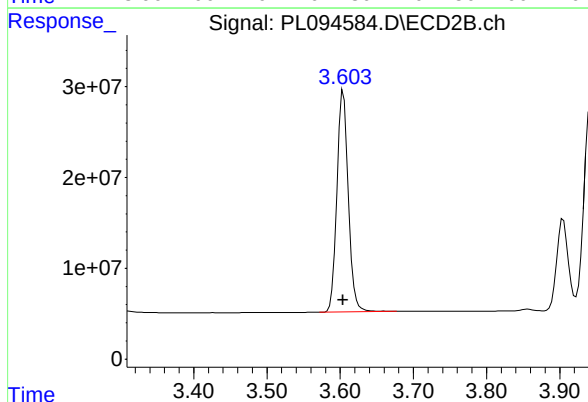
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 276756350
Conc: 51.33 ng/ml



#3 gamma-BHC (Lindane)

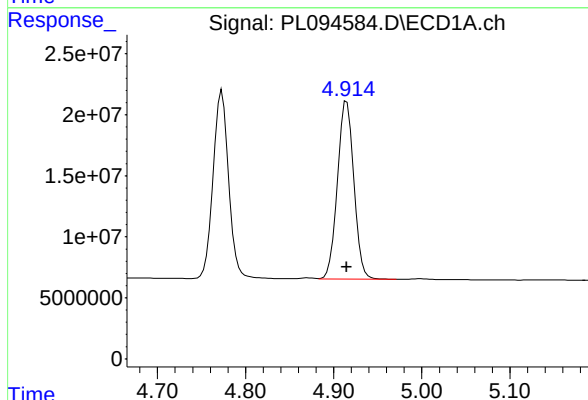
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 195230792
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



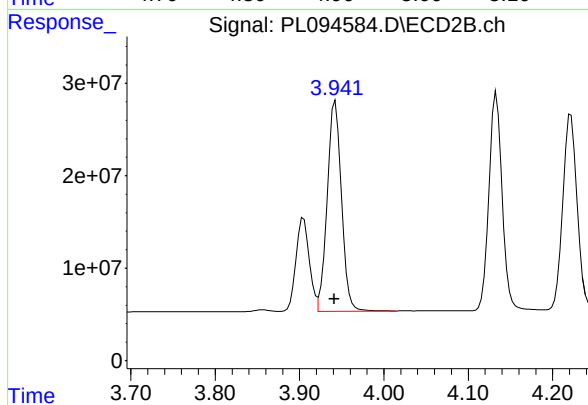
#3 gamma-BHC (Lindane)

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



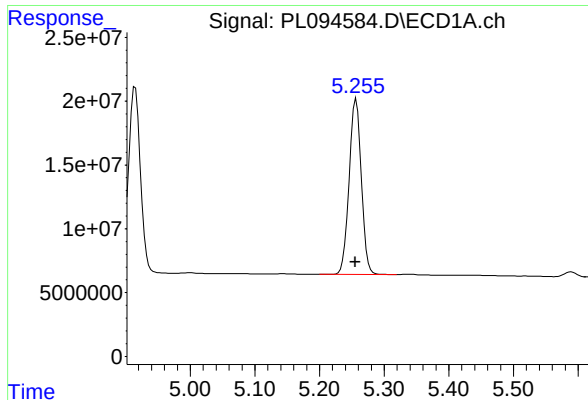
#4 Heptachlor

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



#4 Heptachlor

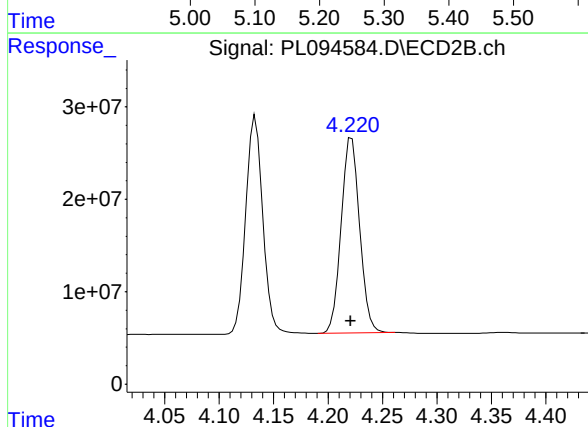
R.T.: 3.943 min
Delta R.T.: 0.000 min
Response: 267048442
Conc: 50.69 ng/ml



#5 Aldrin

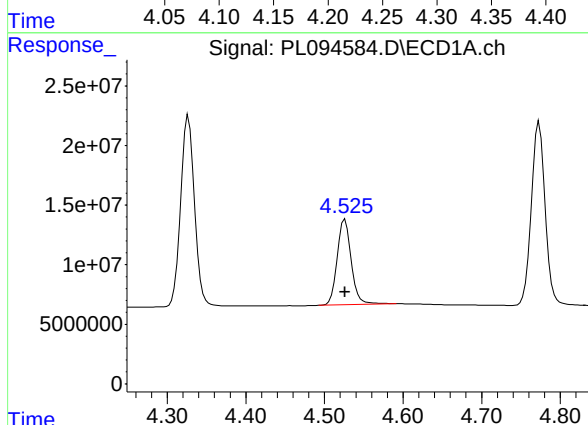
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 180179976
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



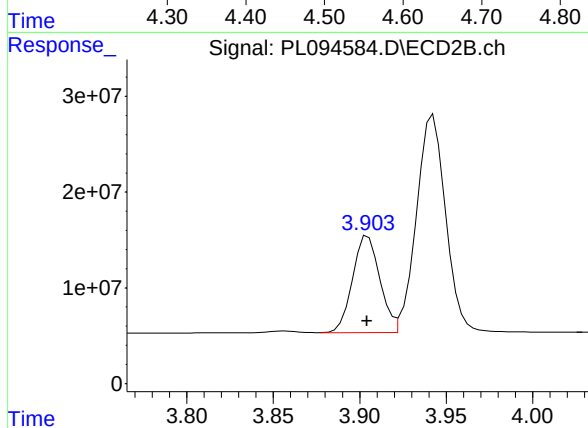
#5 Aldrin

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



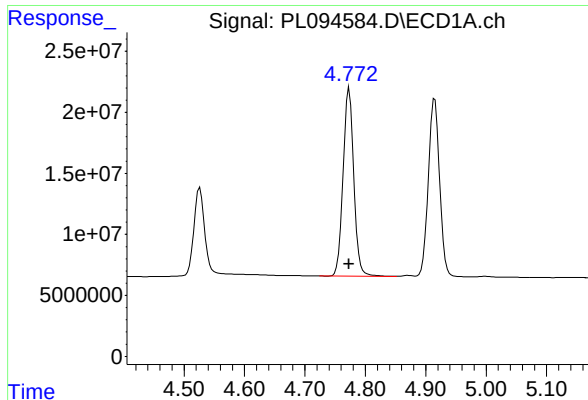
#6 beta-BHC

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



#6 beta-BHC

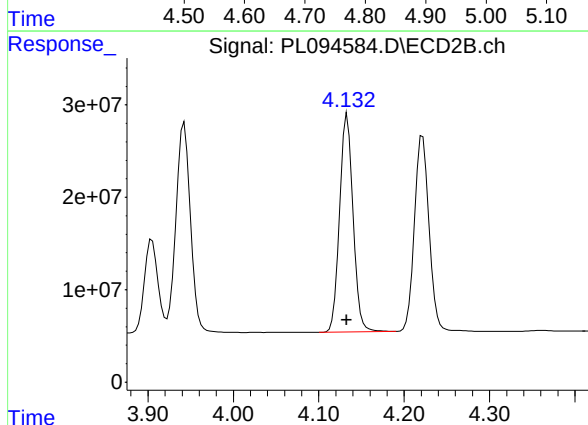
R.T.: 3.905 min
Delta R.T.: 0.000 min
Response: 110828057
Conc: 49.89 ng/ml



#7 delta-BHC

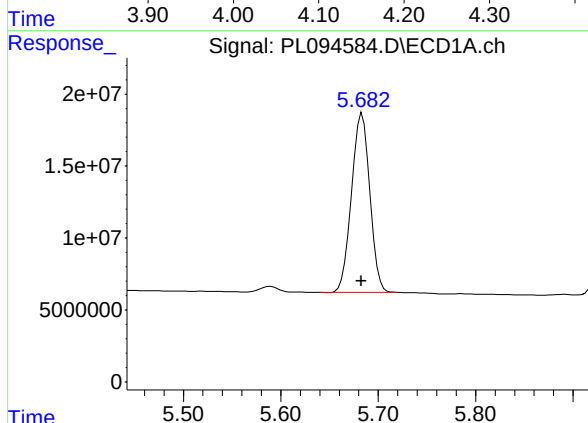
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 189296014
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



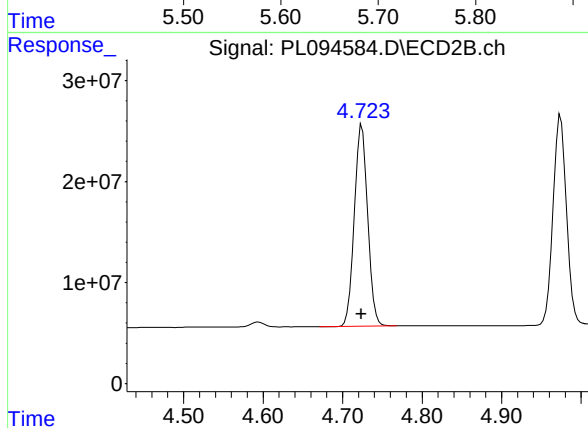
#7 delta-BHC

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



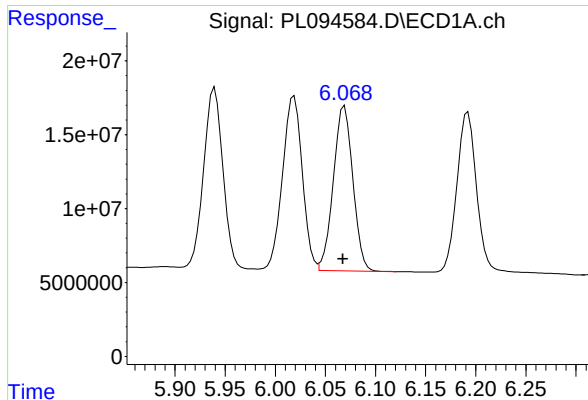
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

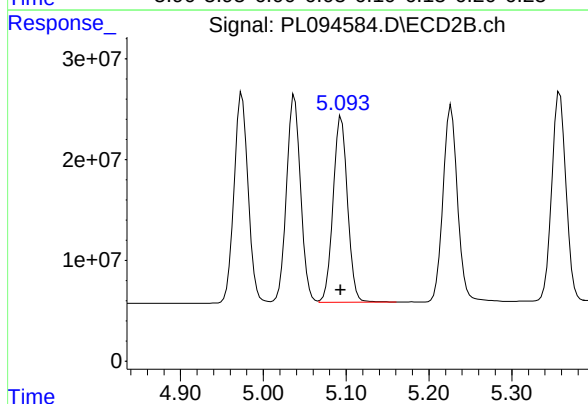
R.T.: 4.724 min
Delta R.T.: 0.000 min
Response: 232821579
Conc: 50.85 ng/ml



#9 Endosulfan I

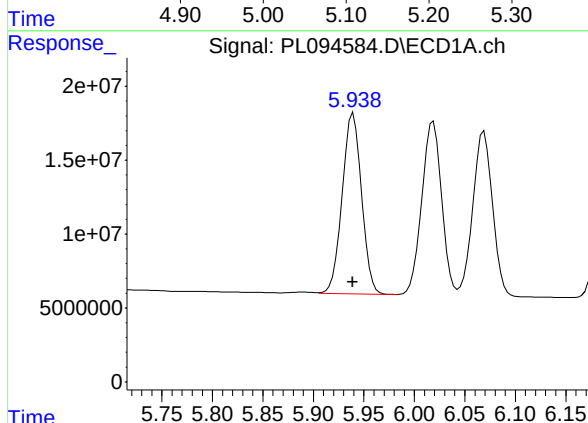
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 150376500
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



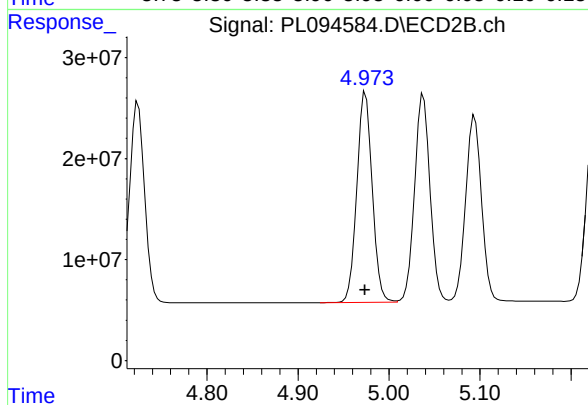
#9 Endosulfan I

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



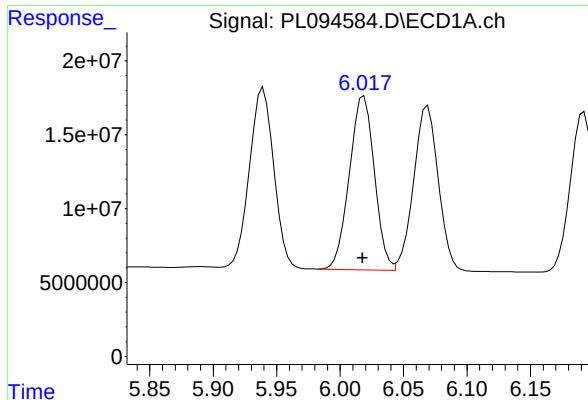
#10 gamma-Chlordane

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



#10 gamma-Chlordane

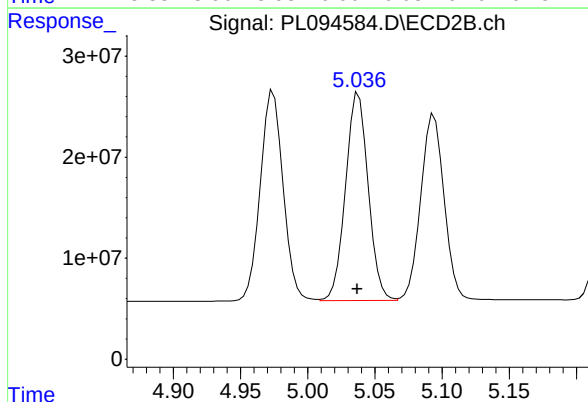
R.T.: 4.974 min
Delta R.T.: 0.000 min
Response: 246248137
Conc: 51.00 ng/ml



#11 alpha-Chlordane

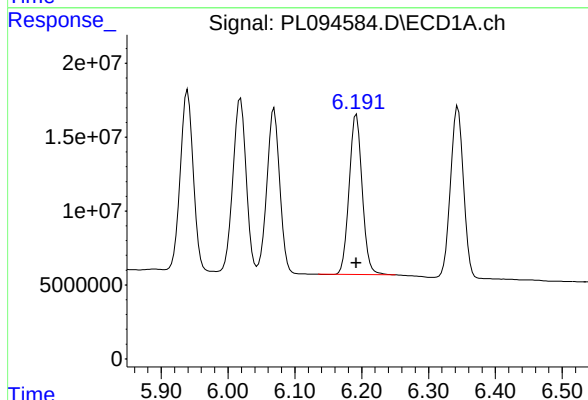
R.T.: 6.019 min
Delta R.T.: 0.001 min
Response: 161484723
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



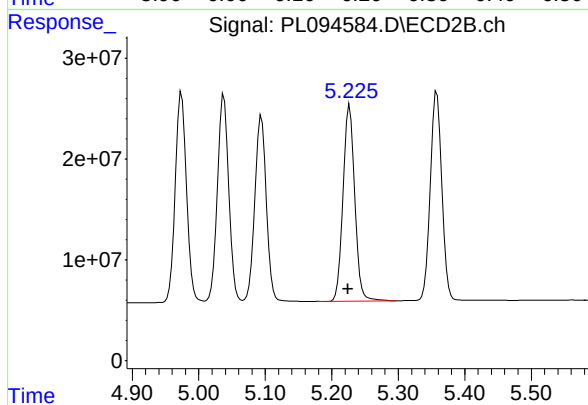
#11 alpha-Chlordane

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



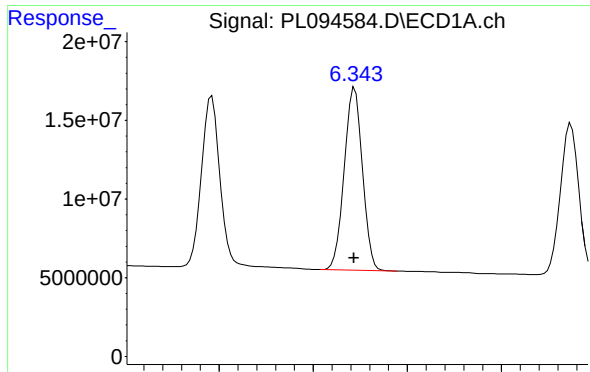
#12 4,4'-DDE

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



#12 4,4'-DDE

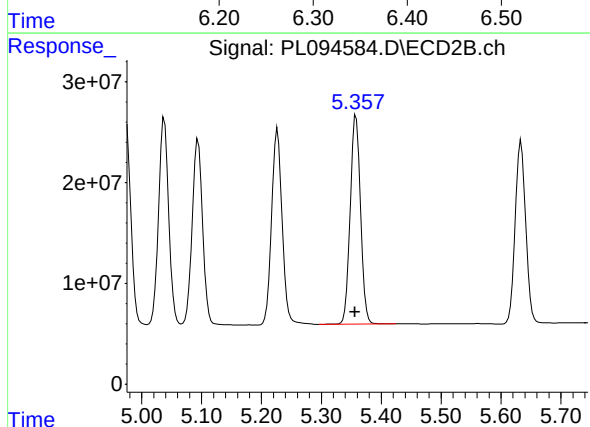
R.T.: 5.227 min
Delta R.T.: 0.002 min
Response: 237229375
Conc: 51.03 ng/ml



#13 Dieldrin

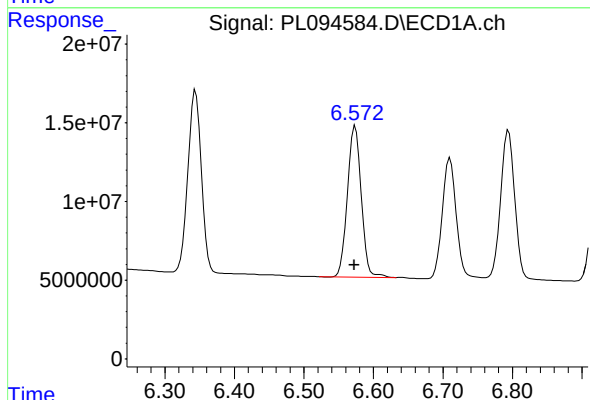
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 156142534
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



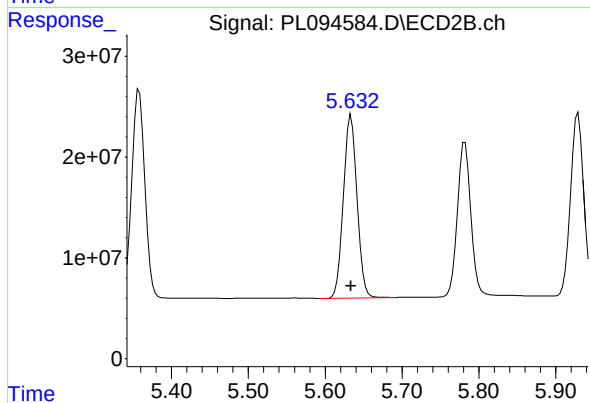
#13 Dieldrin

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



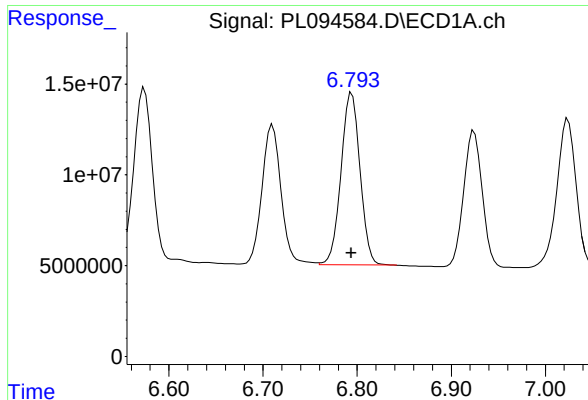
#14 Endrin

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



#14 Endrin

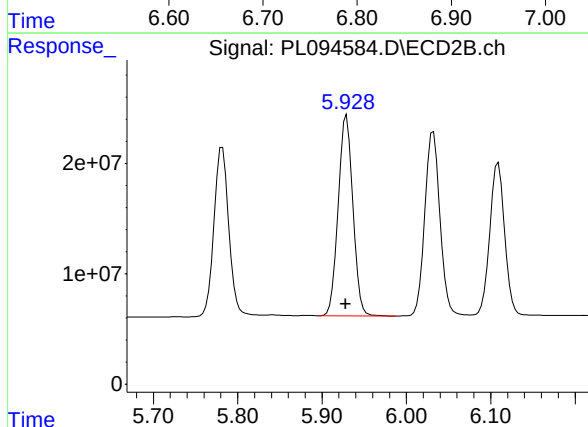
R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 220759516
Conc: 50.59 ng/ml



#15 Endosulfan II

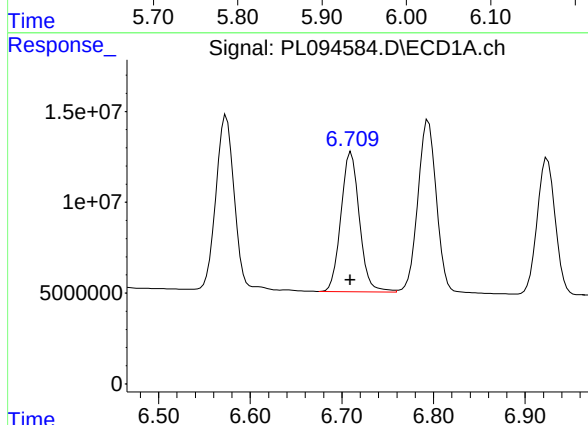
R.T.: 6.794 min
Delta R.T.: 0.000 min
Response: 133220736
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



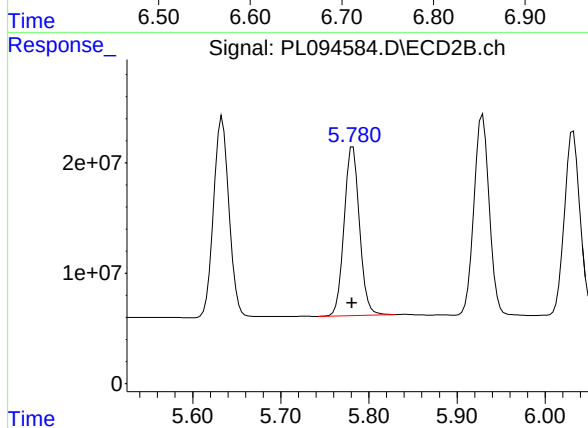
#15 Endosulfan II

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



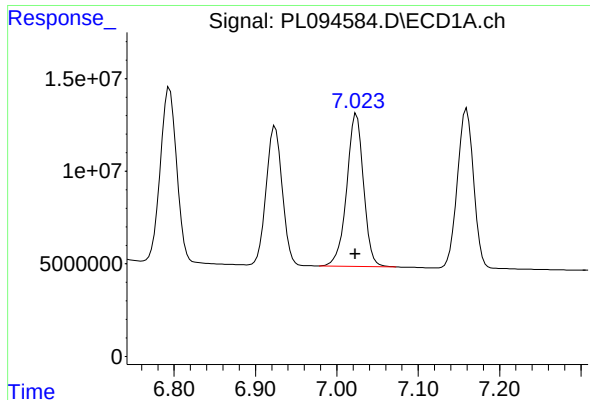
#16 4,4'-DDD

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



#16 4,4'-DDD

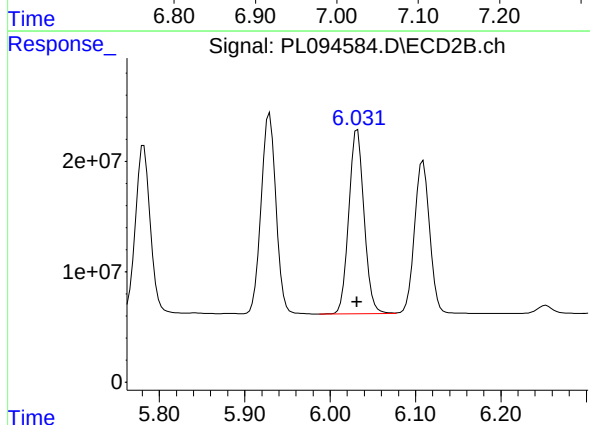
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 185961766
Conc: 51.72 ng/ml



#17 4,4'-DDT

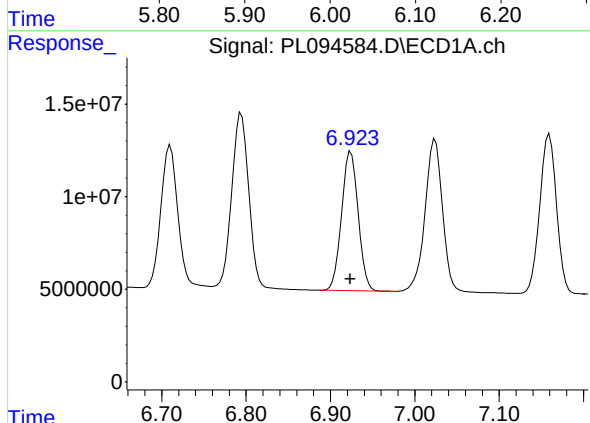
R.T.: 7.024 min
Delta R.T.: 0.002 min
Response: 118288311
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



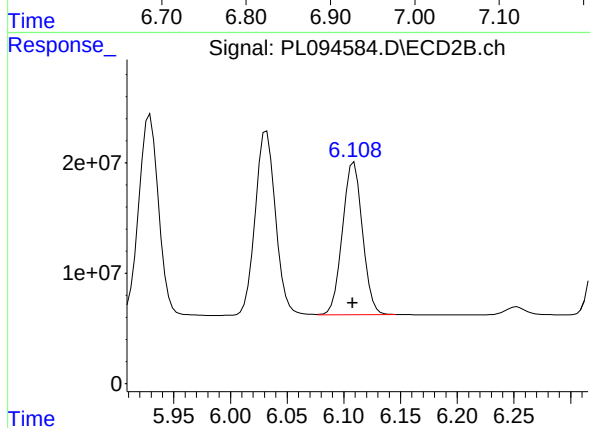
#17 4,4'-DDT

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



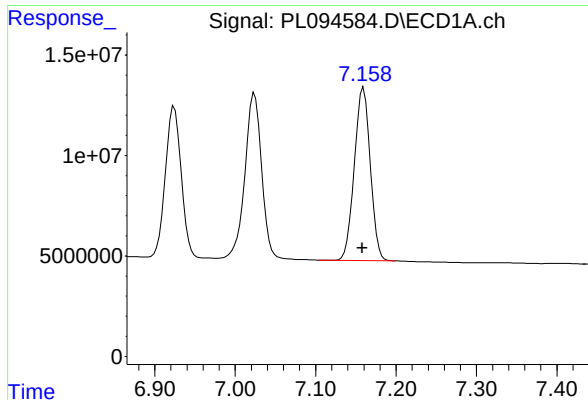
#18 Endrin aldehyde

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



#18 Endrin aldehyde

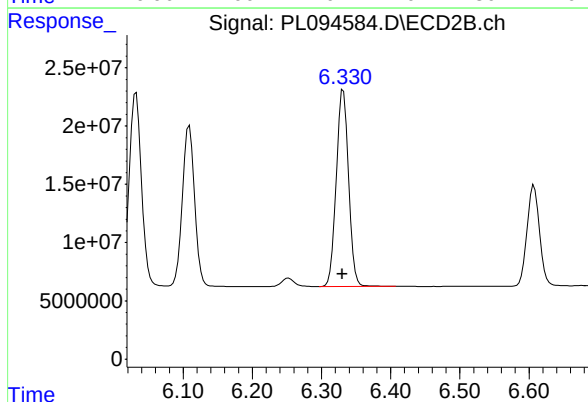
R.T.: 6.109 min
Delta R.T.: 0.001 min
Response: 169351182
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

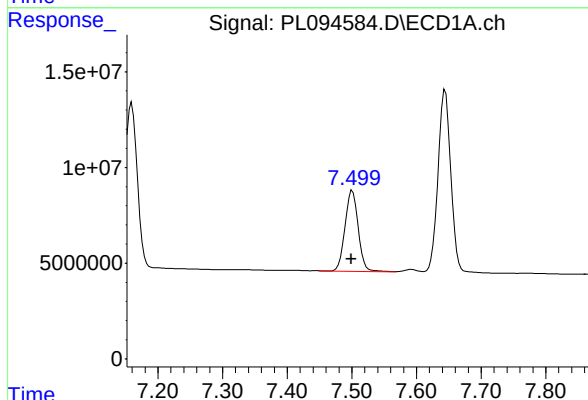
R.T.: 7.160 min
Delta R.T.: 0.002 min
Response: 118675382
Conc: 48.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



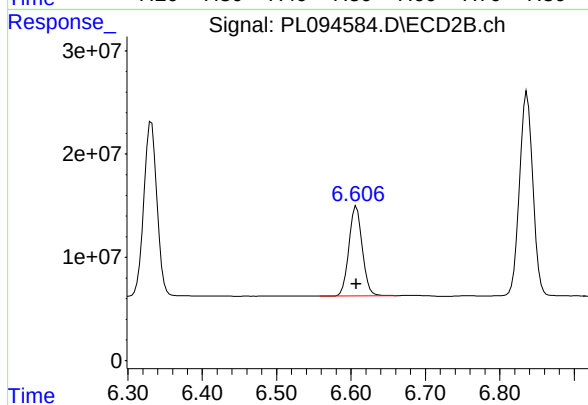
#19 Endosulfan Sulfate

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



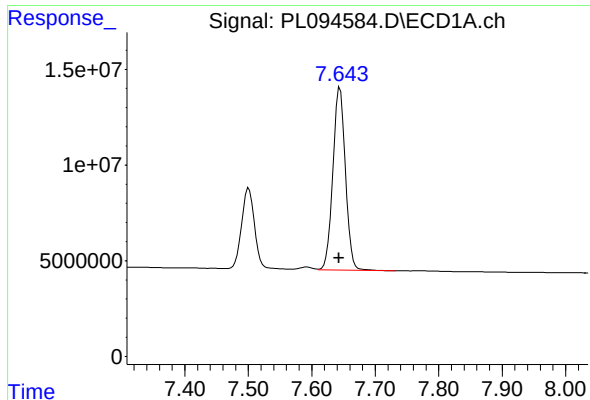
#20 Methoxychlor

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



#20 Methoxychlor

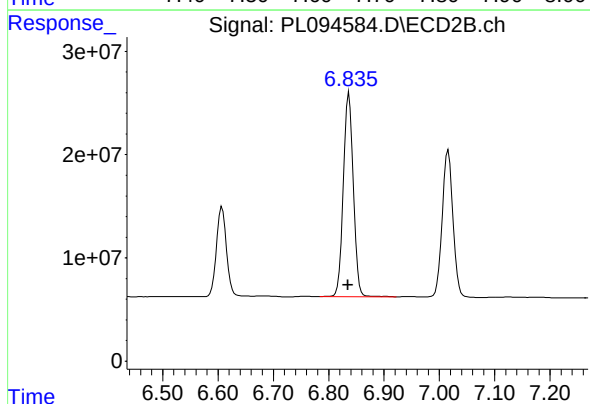
R.T.: 6.607 min
Delta R.T.: 0.000 min
Response: 108134969
Conc: 50.98 ng/ml



#21 Endrin ketone

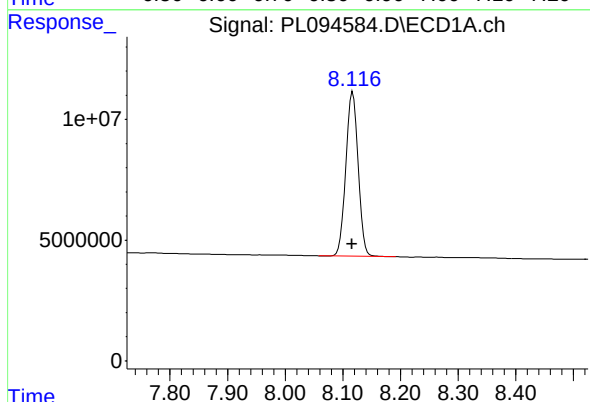
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 130943971
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL031125



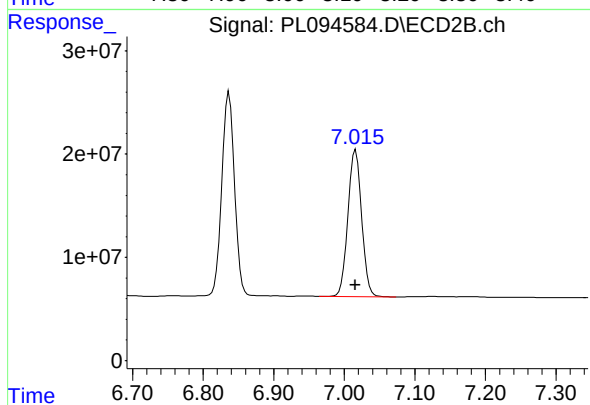
#21 Endrin ketone

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



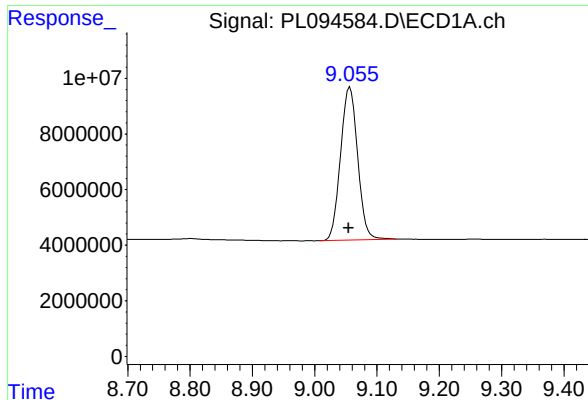
#22 Mirex

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

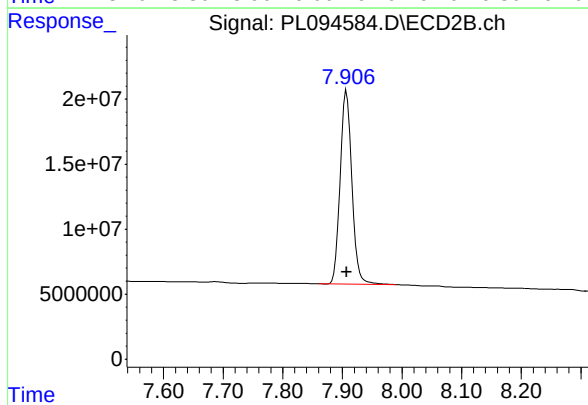
Conc: 49.89 ng/ml

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: 03/28/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 13:11 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



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CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

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

Continuing Calib Date: 03/28/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 13:11 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



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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: 03/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL094931.D Time Analyzed: 13:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.610	6.810	54.180	50.000	8.4
4,4'-DDE	6.191	6.093	6.293	53.330	50.000	6.7
4,4'-DDT	7.022	6.924	7.124	52.110	50.000	4.2
Aldrin	5.255	5.156	5.356	46.480	50.000	-7.0
alpha-BHC	3.993	3.894	4.094	50.340	50.000	0.7
alpha-Chlordane	6.017	5.918	6.118	48.260	50.000	-3.5
beta-BHC	4.525	4.425	4.625	48.750	50.000	-2.5
Decachlorobiphenyl	9.053	8.956	9.156	49.900	50.000	-0.2
delta-BHC	4.772	4.673	4.873	49.050	50.000	-1.9
Dieldrin	6.343	6.244	6.444	48.540	50.000	-2.9
Endosulfan I	6.068	5.969	6.169	48.730	50.000	-2.5
Endosulfan II	6.793	6.694	6.894	50.370	50.000	0.7
Endosulfan sulfate	7.157	7.059	7.259	48.700	50.000	-2.6
Endrin	6.571	6.474	6.674	47.060	50.000	-5.9
Endrin aldehyde	6.923	6.824	7.024	48.120	50.000	-3.8
Endrin ketone	7.642	7.544	7.744	49.270	50.000	-1.5
gamma-BHC (Lindane)	4.326	4.227	4.427	49.850	50.000	-0.3
gamma-Chlordane	5.938	5.840	6.040	47.750	50.000	-4.5
Heptachlor	4.914	4.815	5.015	47.270	50.000	-5.5
Heptachlor epoxide	5.682	5.583	5.783	46.750	50.000	-6.5
Methoxychlor	7.499	7.400	7.600	52.020	50.000	4.0
Tetrachloro-m-xylene	3.537	3.438	3.638	50.270	50.000	0.5



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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: 03/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL094931.D Time Analyzed: 13:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.777	5.682	5.882	57.710	50.000	15.4
4,4'-DDE	5.221	5.127	5.327	55.950	50.000	11.9
4,4'-DDT	6.027	5.932	6.132	56.340	50.000	12.7
Aldrin	4.218	4.122	4.322	55.040	50.000	10.1
alpha-BHC	3.271	3.174	3.374	57.340	50.000	14.7
alpha-Chlordane	5.034	4.938	5.138	54.480	50.000	9.0
beta-BHC	3.901	3.805	4.005	55.590	50.000	11.2
Decachlorobiphenyl	7.901	7.807	8.007	52.700	50.000	5.4
delta-BHC	4.130	4.033	4.233	57.170	50.000	14.3
Dieldrin	5.352	5.258	5.458	53.840	50.000	7.7
Endosulfan I	5.090	4.994	5.194	54.770	50.000	9.5
Endosulfan II	5.924	5.829	6.029	52.400	50.000	4.8
Endosulfan sulfate	6.326	6.231	6.431	54.470	50.000	8.9
Endrin	5.629	5.534	5.734	53.920	50.000	7.8
Endrin aldehyde	6.104	6.008	6.208	52.470	50.000	4.9
Endrin ketone	6.831	6.736	6.936	52.750	50.000	5.5
gamma-BHC (Lindane)	3.600	3.504	3.704	55.590	50.000	11.2
gamma-Chlordane	4.970	4.874	5.074	54.780	50.000	9.6
Heptachlor	3.939	3.842	4.042	53.950	50.000	7.9
Heptachlor epoxide	4.720	4.625	4.825	53.710	50.000	7.4
Methoxychlor	6.602	6.507	6.707	55.590	50.000	11.2
Tetrachloro-m-xylene	2.769	2.672	2.872	56.660	50.000	13.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
 Data File : PL094931.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 13:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/31/2025
 Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:14:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.769	142.3E6	202.2E6	50.270	56.661
28)	SA Decachlor...	9.053	7.901	105.2E6	212.9E6	49.901	52.697
Target Compounds							
2)	A alpha-BHC	3.993	3.271	209.0E6	309.1E6	50.341	57.335
3)	MA gamma-BHC...	4.326	3.600	198.9E6	285.7E6	49.853	55.590m
4)	MA Heptachlor	4.914	3.939	183.5E6	284.3E6	47.268	53.953
5)	MB Aldrin	5.255	4.218	171.6E6	268.4E6	46.477	55.039
6)	B beta-BHC	4.525	3.901	89945770	123.5E6	48.745	55.587
7)	B delta-BHC	4.772	4.130	191.0E6	286.0E6	49.052	57.174
8)	B Heptachlo...	5.682	4.720	156.4E6	245.9E6	46.746	53.711
9)	A Endosulfan I	6.068	5.090	149.6E6	240.4E6	48.726	54.767
10)	B gamma-Chl...	5.938	4.970	160.9E6	264.5E6	47.755	54.780
11)	B alpha-Chl...	6.017	5.034	159.1E6	260.0E6	48.261	54.485
12)	B 4,4'-DDE	6.191	5.221	156.9E6	260.1E6	53.329	55.949m
13)	MA Dieldrin	6.343	5.352	155.2E6	261.2E6	48.537	53.835m
14)	MA Endrin	6.571	5.629	130.4E6	235.3E6	47.057m	53.916
15)	B Endosulfa...	6.793	5.924	136.7E6	226.8E6	50.372	52.404
16)	A 4,4'-DDD	6.709	5.777	117.4E6	207.5E6	54.177	57.714
17)	MA 4,4'-DDT	7.022	6.027	123.9E6	227.2E6	52.111	56.343
18)	B Endrin al...	6.923	6.104	101.6E6	176.6E6	48.116	52.474
19)	B Endosulfa...	7.157	6.326	118.4E6	221.9E6	48.703	54.466
20)	A Methoxychlor	7.499	6.602	62270394	117.9E6	52.019	55.587
21)	B Endrin ke...	7.642	6.831	130.2E6	251.8E6	49.272	52.750m
22)	Mirex	8.114	7.011	94619158	190.3E6	45.792	50.144

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 13:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

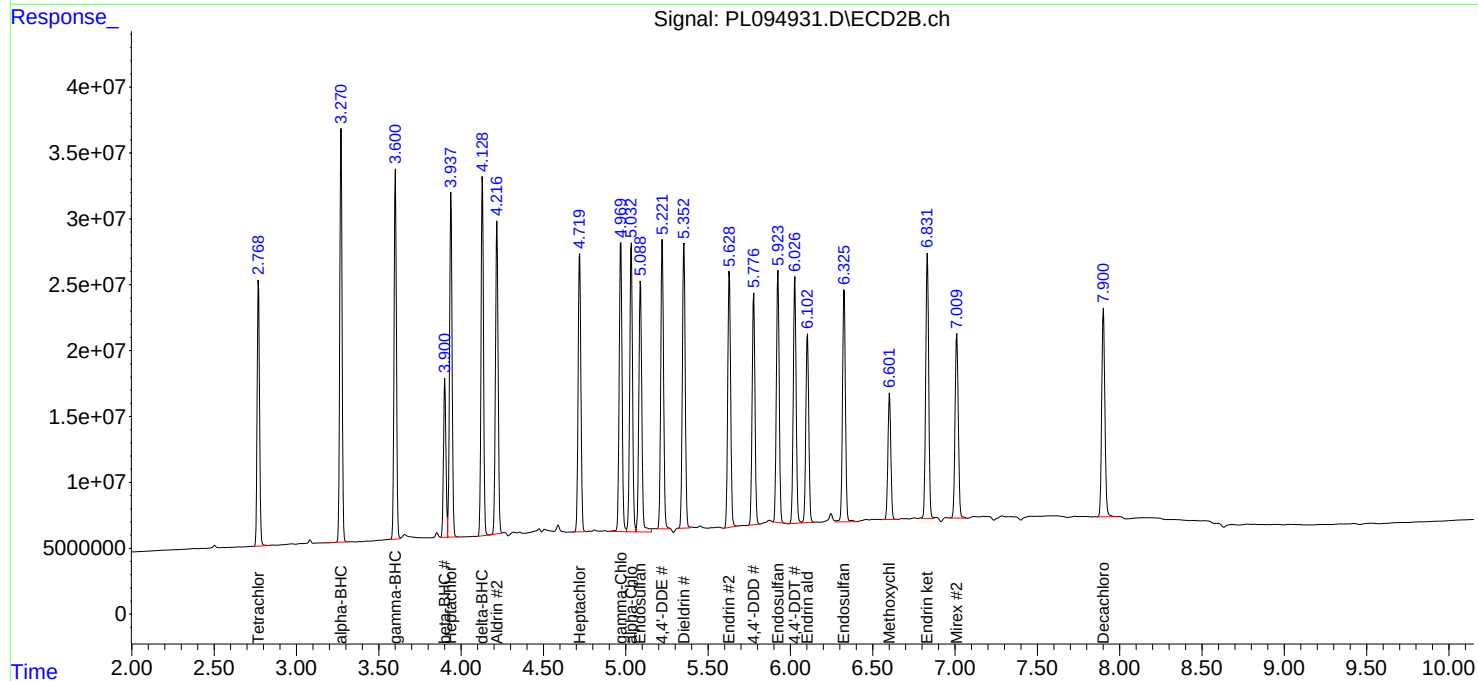
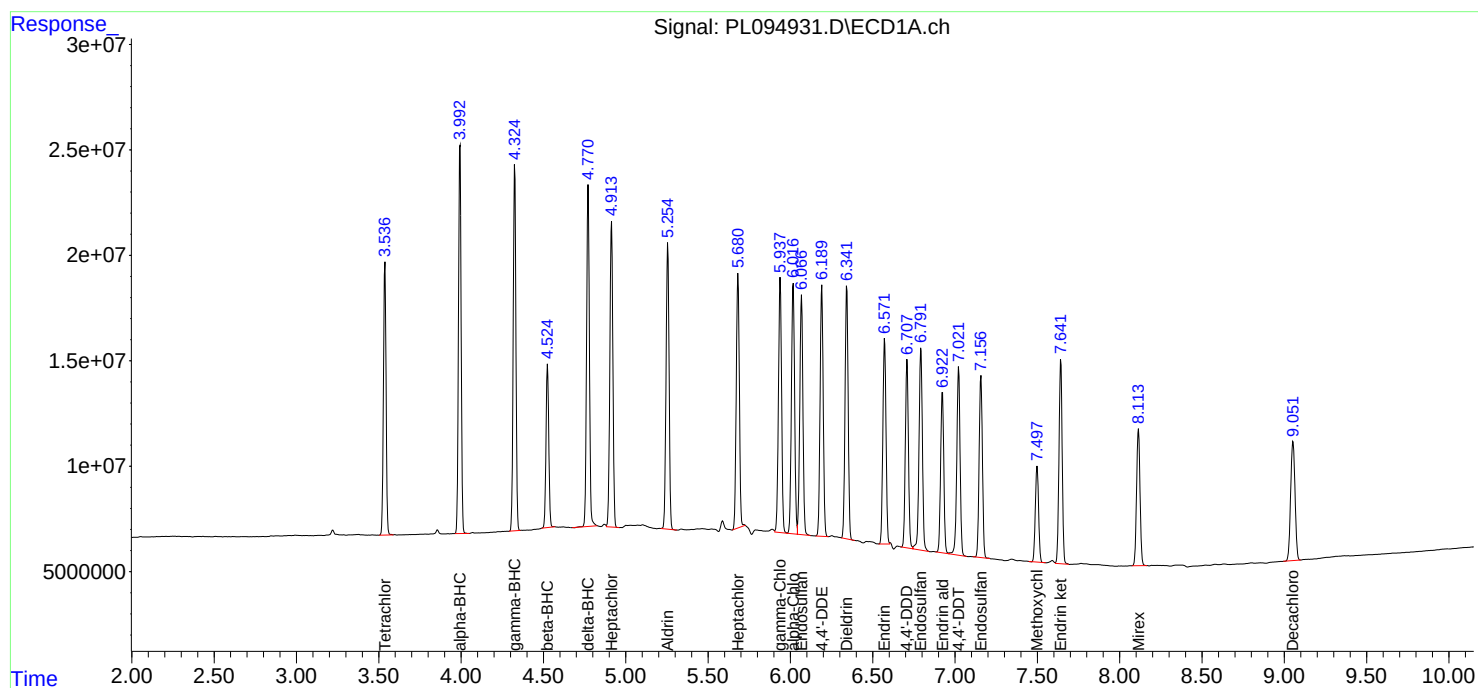
APPROVED

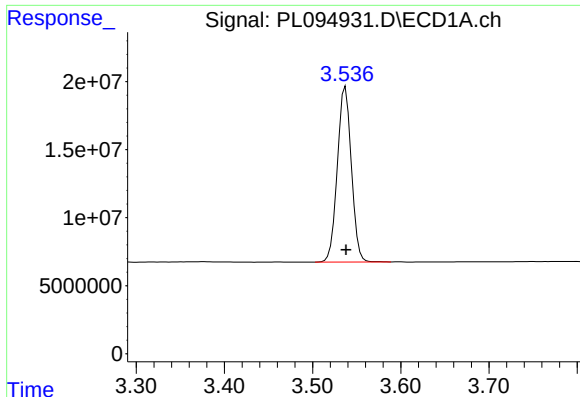
Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:14:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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





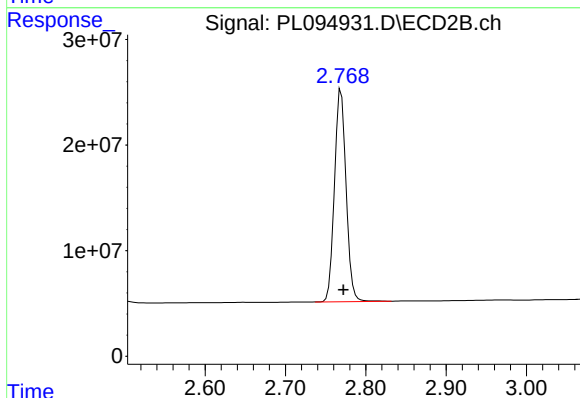
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 142297919
Conc: 50.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

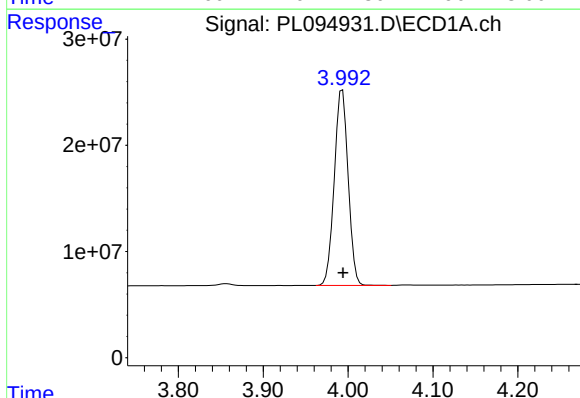
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



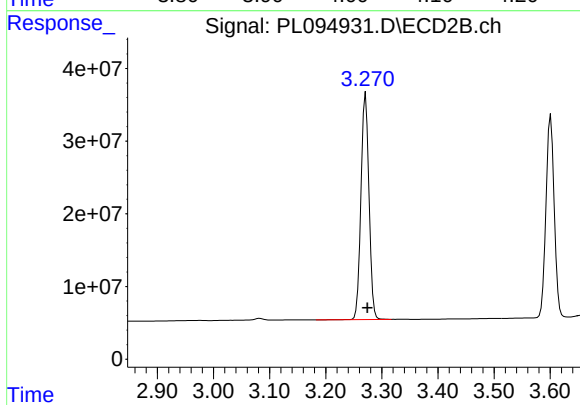
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 202237136
Conc: 56.66 ng/ml



#2 alpha-BHC

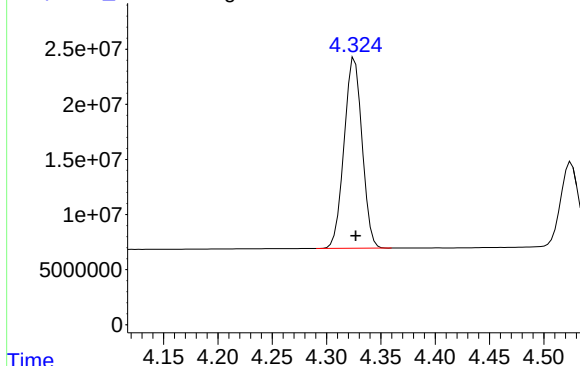
R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 209031285
Conc: 50.34 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 309116118
Conc: 57.34 ng/ml

Response_ Signal: PL094931.D\ECD1A.ch



#3 gamma-BHC (Lindane)

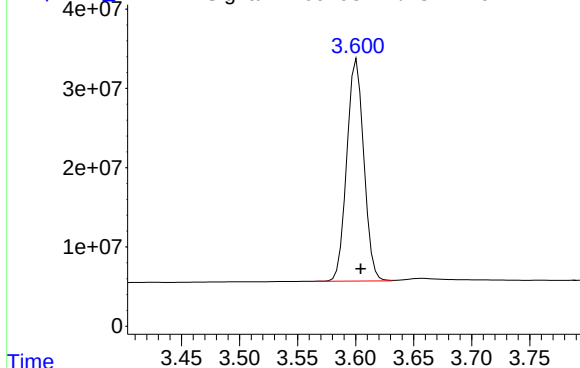
R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 198926347
Conc: 49.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

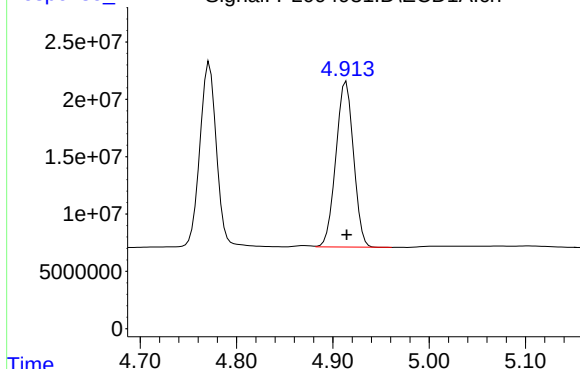
Time Response_ Signal: PL094931.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 285701446
Conc: 55.59 ng/ml m

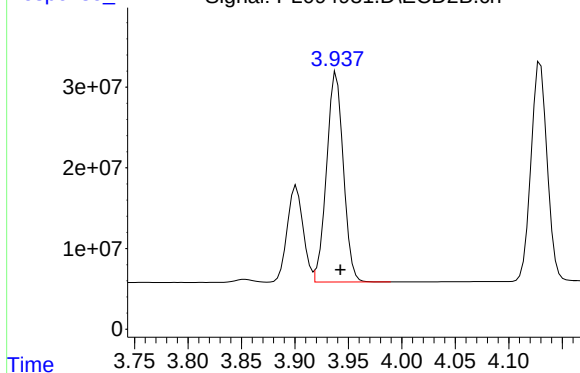
Time Response_ Signal: PL094931.D\ECD1A.ch



#4 Heptachlor

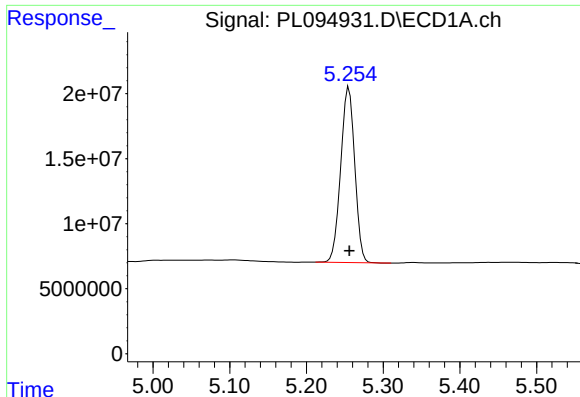
R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 183478358
Conc: 47.27 ng/ml

Time Response_ Signal: PL094931.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.004 min
Response: 284260618
Conc: 53.95 ng/ml



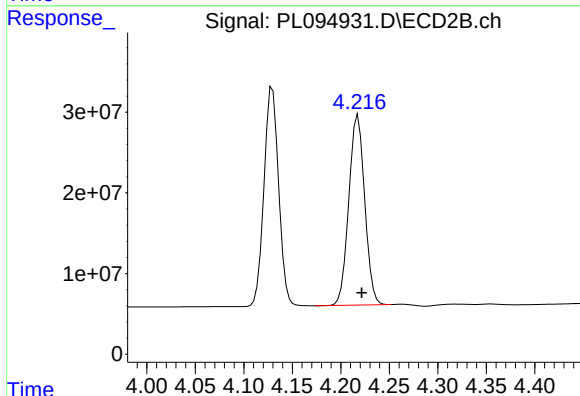
#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 171602770
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

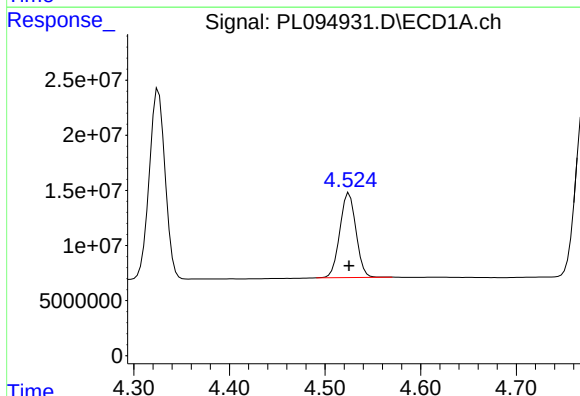
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



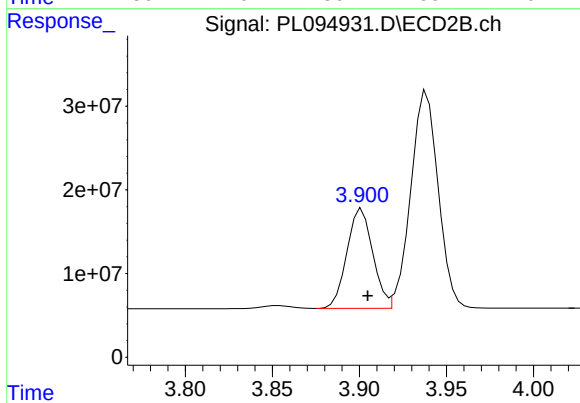
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 268389549
Conc: 55.04 ng/ml



#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 89945770
Conc: 48.75 ng/ml

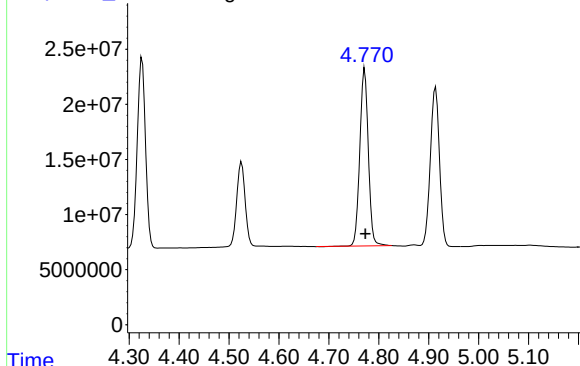


#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.003 min
Response: 123474200
Conc: 55.59 ng/ml

Response_ Signal: PL094931.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 191022851
Conc: 49.05 ng/ml

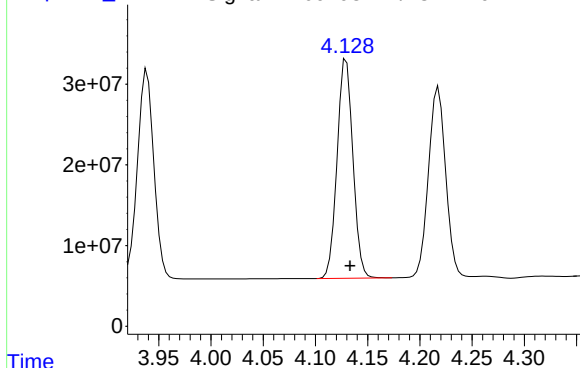
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Response_ Signal: PL094931.D\ECD2B.ch

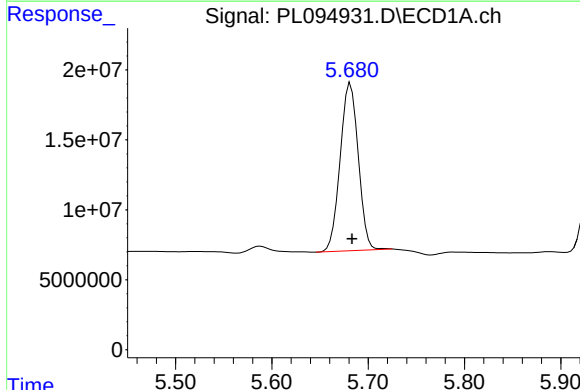
#7 delta-BHC



R.T.: 4.130 min
Delta R.T.: -0.004 min
Response: 285981940
Conc: 57.17 ng/ml

Response_ Signal: PL094931.D\ECD1A.ch

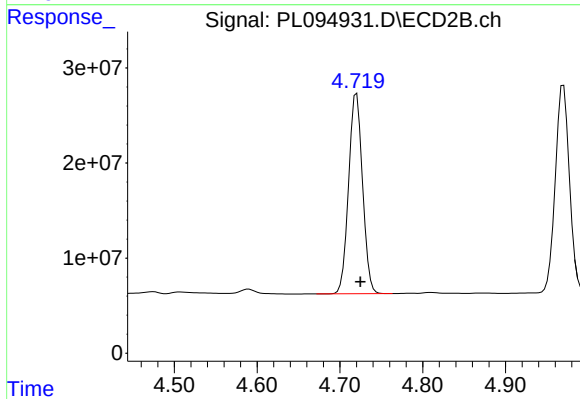
#8 Heptachlor epoxide



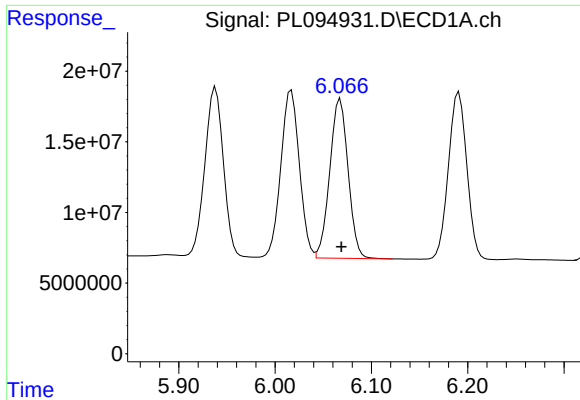
R.T.: 5.682 min
Delta R.T.: -0.001 min
Response: 156373346
Conc: 46.75 ng/ml

Response_ Signal: PL094931.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.720 min
Delta R.T.: -0.004 min
Response: 245921697
Conc: 53.71 ng/ml



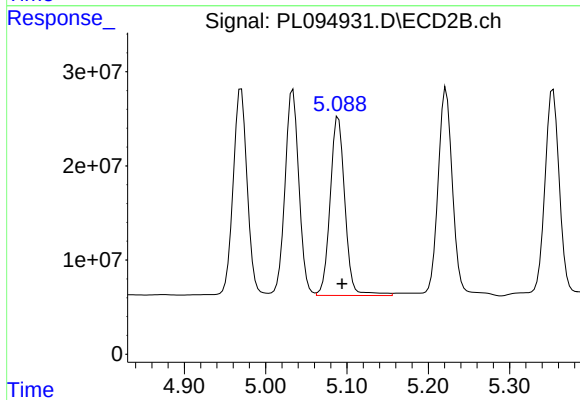
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 149597608
Conc: 48.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

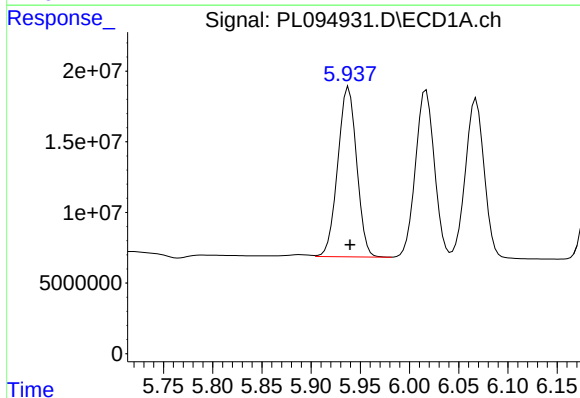
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



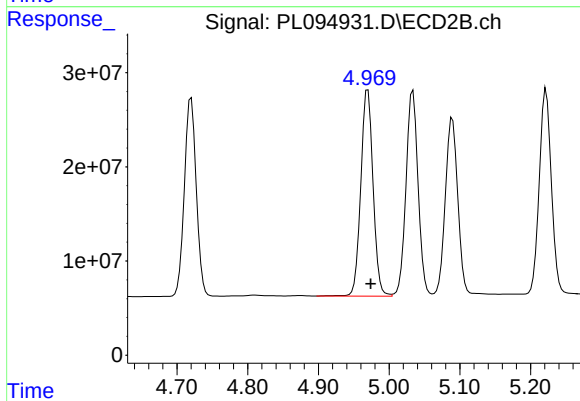
#9 Endosulfan I

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 240356203
Conc: 54.77 ng/ml



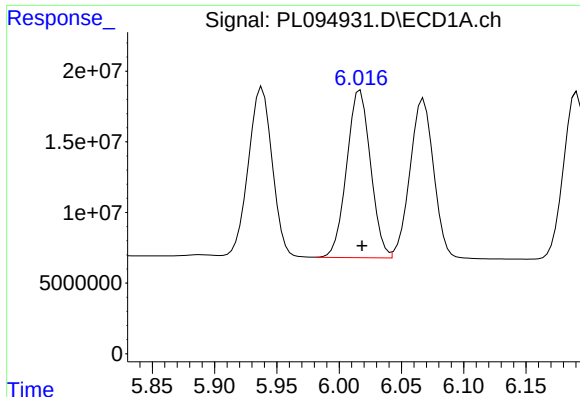
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 160902450
Conc: 47.75 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 264501139
Conc: 54.78 ng/ml



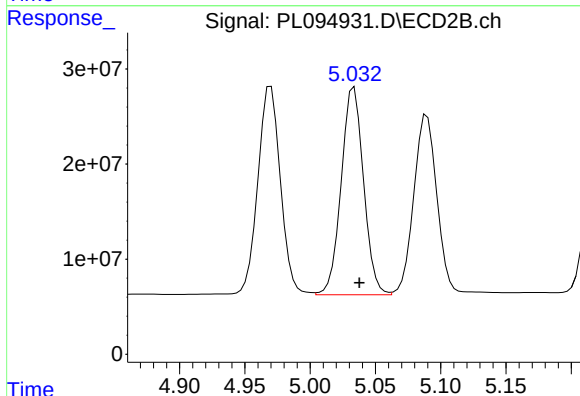
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.001 min
Response: 159109070
Conc: 48.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

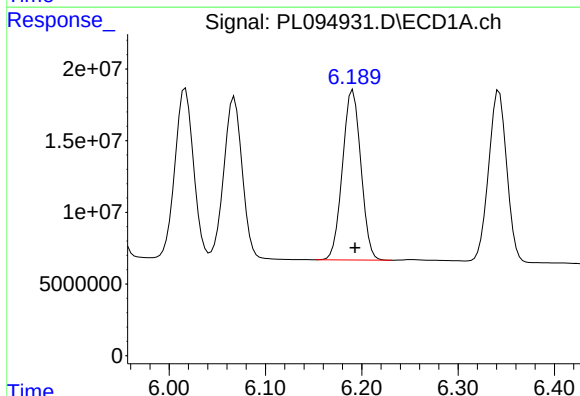
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



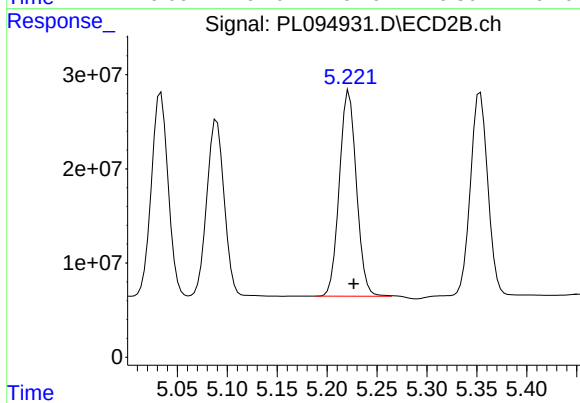
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.004 min
Response: 260043642
Conc: 54.48 ng/ml



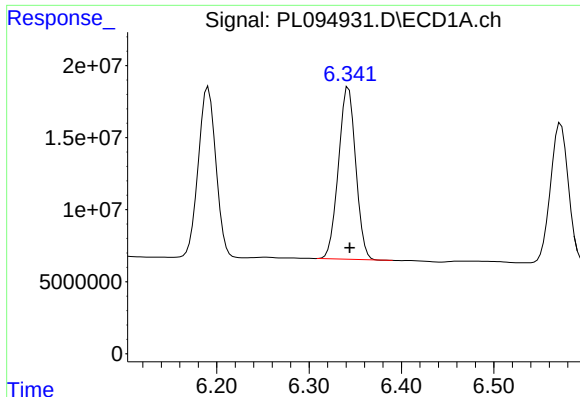
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 156898036
Conc: 53.33 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 260079102
Conc: 55.95 ng/ml m



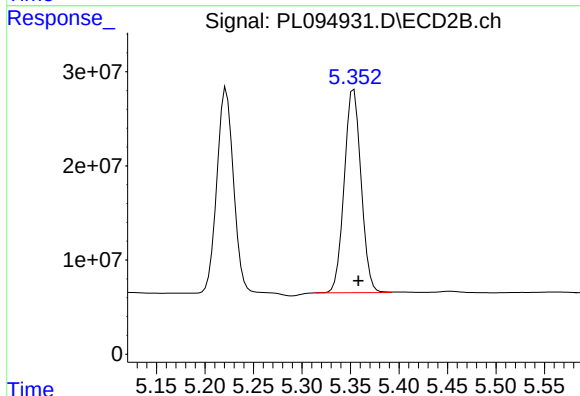
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 155229333
Conc: 48.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

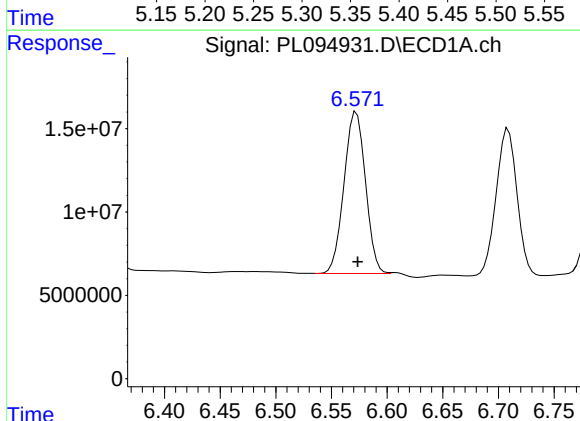
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



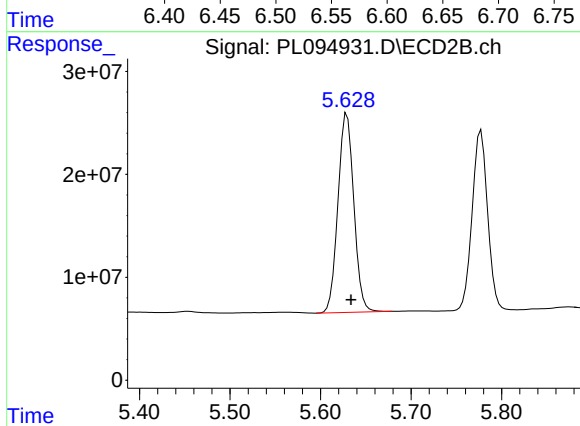
#13 Dieldrin

R.T.: 5.352 min
Delta R.T.: -0.006 min
Response: 261198652
Conc: 53.84 ng/ml m



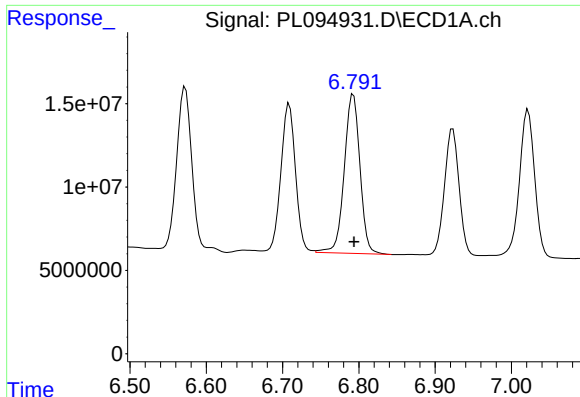
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 130444164
Conc: 47.06 ng/ml m



#14 Endrin

R.T.: 5.629 min
Delta R.T.: -0.004 min
Response: 235271560
Conc: 53.92 ng/ml



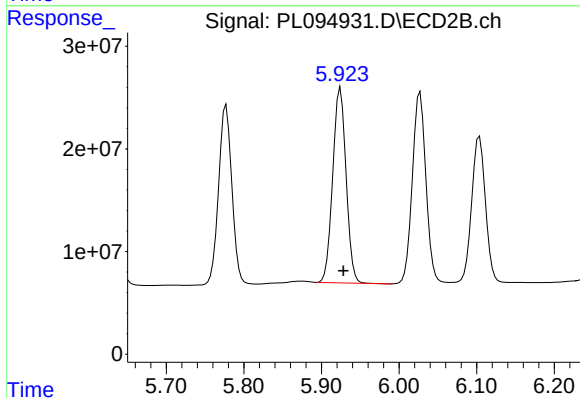
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 136745797
Conc: 50.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

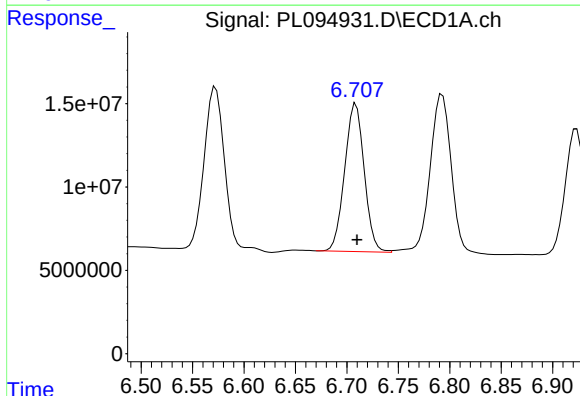
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



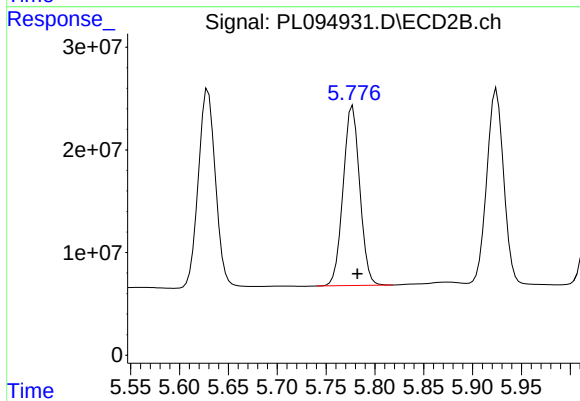
#15 Endosulfan II

R.T.: 5.924 min
Delta R.T.: -0.004 min
Response: 226819444
Conc: 52.40 ng/ml



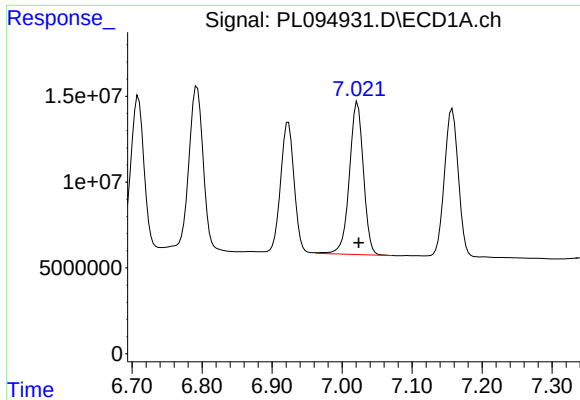
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 117351021
Conc: 54.18 ng/ml



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.005 min
Response: 207535042
Conc: 57.71 ng/ml



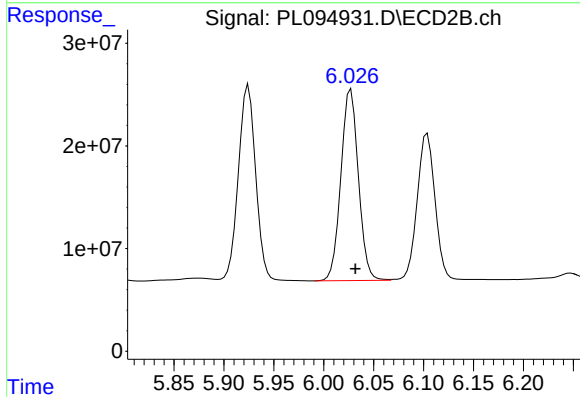
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 123947263
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

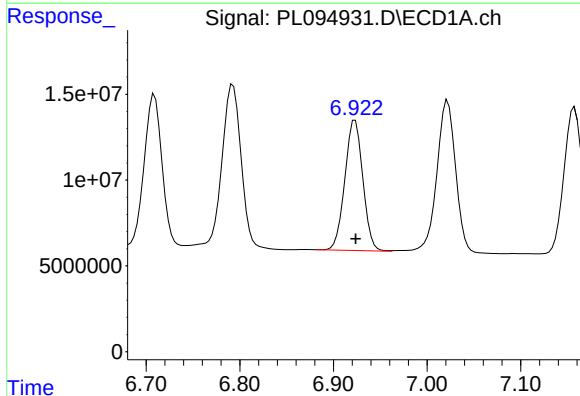
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



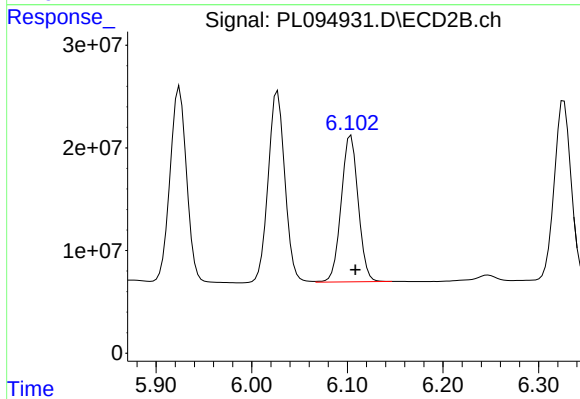
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.004 min
Response: 227180034
Conc: 56.34 ng/ml



#18 Endrin aldehyde

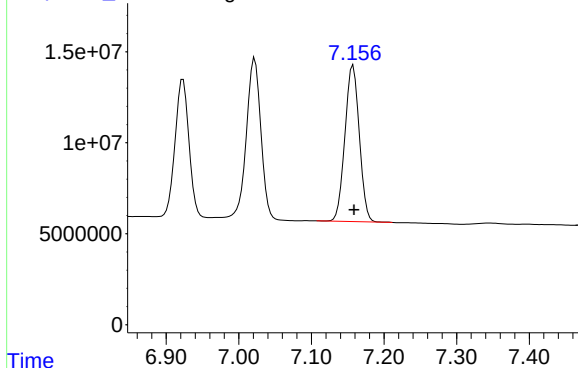
R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 101573123
Conc: 48.12 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 176595866
Conc: 52.47 ng/ml

Response_ Signal: PL094931.D\ECD1A.ch



#19 Endosulfan Sulfate

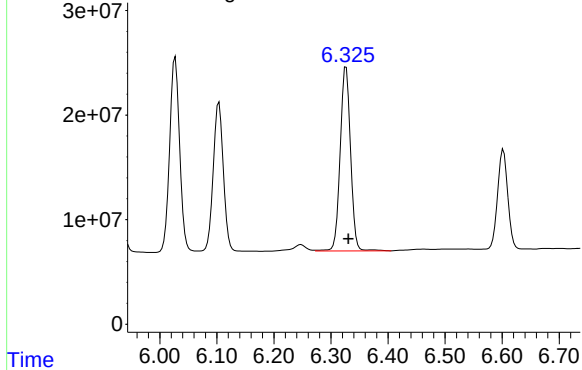
R.T.: 7.157 min
Delta R.T.: -0.001 min
Response: 118445491
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

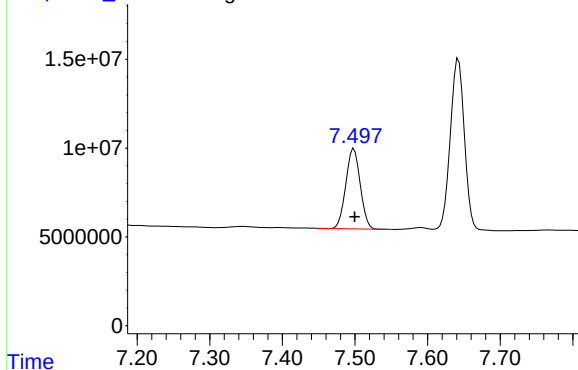
Time Response_ Signal: PL094931.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.004 min
Response: 221861793
Conc: 54.47 ng/ml

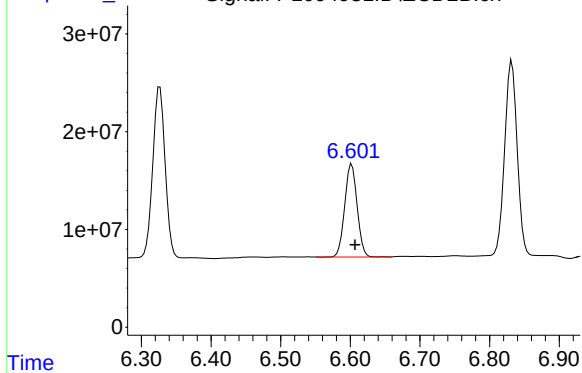
Time Response_ Signal: PL094931.D\ECD1A.ch



#20 Methoxychlor

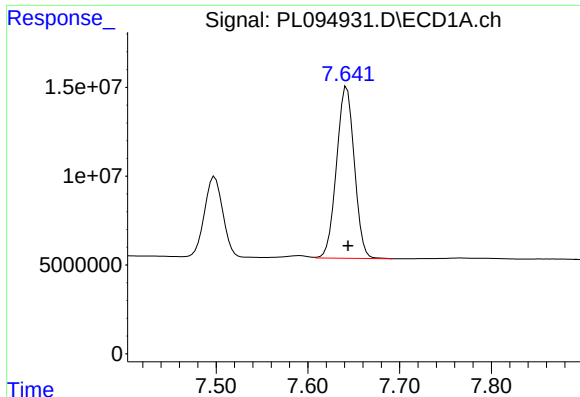
R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 62270394
Conc: 52.02 ng/ml

Time Response_ Signal: PL094931.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 117903271
Conc: 55.59 ng/ml



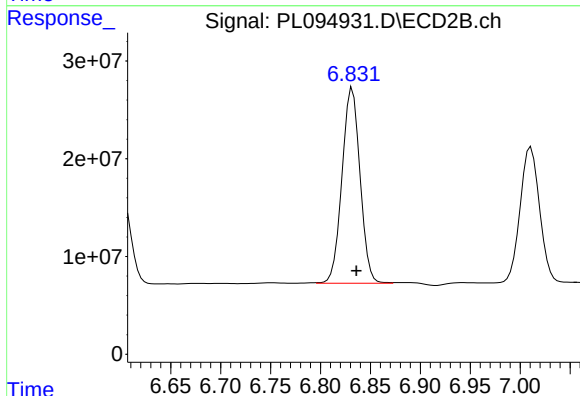
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.001 min
Response: 130238015
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

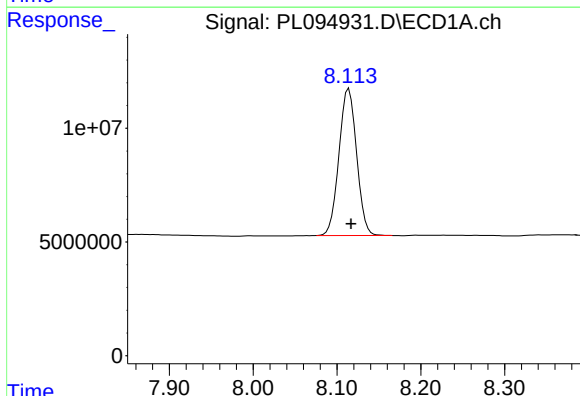
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



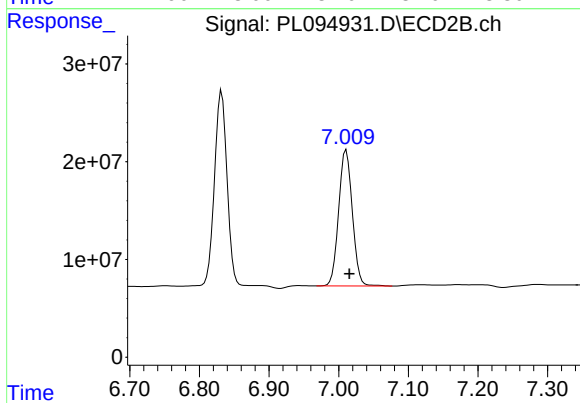
#21 Endrin ketone

R.T.: 6.831 min
Delta R.T.: -0.005 min
Response: 251755454
Conc: 52.75 ng/ml m



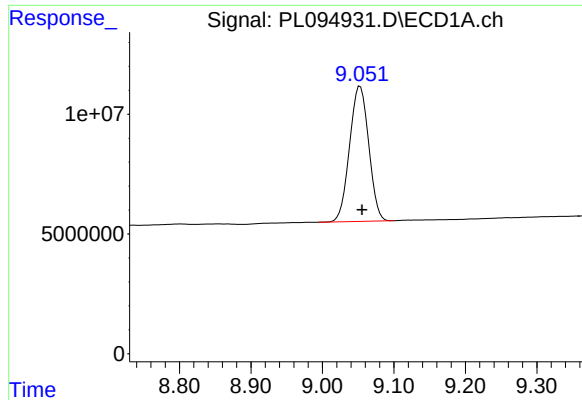
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 94619158
Conc: 45.79 ng/ml



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.005 min
Response: 190310729
Conc: 50.14 ng/ml



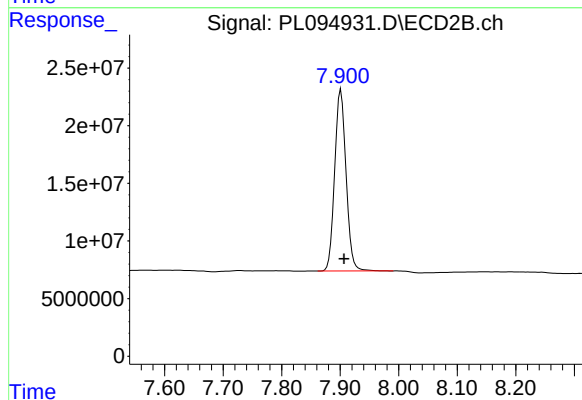
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 105163927
Conc: 49.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 212862528
Conc: 52.70 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: 03/28/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	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	6.01	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ROYF02

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

Continuing Calib Date: 03/28/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.35	5.36	5.26	5.46	0.01
4,4'-DDE	5.22	5.23	5.13	5.33	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.92	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	0.01
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



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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: 03/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL094947.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.610	6.810	58.340	50.000	16.7
4,4'-DDE	6.188	6.093	6.293	57.010	50.000	14.0
4,4'-DDT	7.020	6.924	7.124	55.320	50.000	10.6
Aldrin	5.252	5.156	5.356	50.170	50.000	0.3
alpha-BHC	3.991	3.894	4.094	52.680	50.000	5.4
alpha-Chlordane	6.014	5.918	6.118	51.640	50.000	3.3
beta-BHC	4.523	4.425	4.625	51.590	50.000	3.2
Decachlorobiphenyl	9.049	8.956	9.156	55.060	50.000	10.1
delta-BHC	4.770	4.673	4.873	52.790	50.000	5.6
Dieldrin	6.340	6.244	6.444	52.430	50.000	4.9
Endosulfan I	6.065	5.969	6.169	51.970	50.000	3.9
Endosulfan II	6.790	6.694	6.894	52.230	50.000	4.5
Endosulfan sulfate	7.155	7.059	7.259	52.510	50.000	5.0
Endrin	6.568	6.474	6.674	50.870	50.000	1.7
Endrin aldehyde	6.920	6.824	7.024	50.970	50.000	1.9
Endrin ketone	7.640	7.544	7.744	53.780	50.000	7.6
gamma-BHC (Lindane)	4.323	4.227	4.427	52.430	50.000	4.9
gamma-Chlordane	5.936	5.840	6.040	51.050	50.000	2.1
Heptachlor	4.911	4.815	5.015	50.070	50.000	0.1
Heptachlor epoxide	5.680	5.583	5.783	50.020	50.000	0.0
Methoxychlor	7.496	7.400	7.600	57.120	50.000	14.2
Tetrachloro-m-xylene	3.535	3.438	3.638	52.830	50.000	5.7



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.: CCAL02 Date Analyzed: 03/28/2025

Lab Sample No.: PSTDCCC050 Data File : PL094947.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.775	5.682	5.882	61.040	50.000	22.1
4,4'-DDE	5.220	5.127	5.327	58.620	50.000	17.2
4,4'-DDT	6.026	5.932	6.132	59.500	50.000	19.0
Aldrin	4.217	4.122	4.322	57.330	50.000	14.7
alpha-BHC	3.270	3.174	3.374	59.630	50.000	19.3
alpha-Chlordane	5.033	4.938	5.138	56.110	50.000	12.2
beta-BHC	3.901	3.805	4.005	58.400	50.000	16.8
Decachlorobiphenyl	7.901	7.807	8.007	56.190	50.000	12.4
delta-BHC	4.129	4.033	4.233	59.830	50.000	19.7
Dieldrin	5.351	5.258	5.458	56.400	50.000	12.8
Endosulfan I	5.088	4.994	5.194	53.890	50.000	7.8
Endosulfan II	5.923	5.829	6.029	55.660	50.000	11.3
Endosulfan sulfate	6.325	6.231	6.431	57.250	50.000	14.5
Endrin	5.627	5.534	5.734	56.870	50.000	13.7
Endrin aldehyde	6.103	6.008	6.208	54.950	50.000	9.9
Endrin ketone	6.829	6.736	6.936	56.470	50.000	12.9
gamma-BHC (Lindane)	3.599	3.504	3.704	58.540	50.000	17.1
gamma-Chlordane	4.969	4.874	5.074	56.620	50.000	13.2
Heptachlor	3.938	3.842	4.042	56.500	50.000	13.0
Heptachlor epoxide	4.719	4.625	4.825	56.510	50.000	13.0
Methoxychlor	6.601	6.507	6.707	59.910	50.000	19.8
Tetrachloro-m-xylene	2.769	2.672	2.872	58.520	50.000	17.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
 Data File : PL094947.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 16:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:11:54 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	149.6E6	208.9E6	52.834	58.525
28)	SA Decachlor...	9.049	7.901	116.0E6	227.0E6	55.059	56.191
Target Compounds							
2)	A alpha-BHC	3.991	3.270	218.7E6	321.5E6	52.678	59.627
3)	MA gamma-BHC...	4.323	3.599	209.2E6	300.9E6	52.428	58.538m
4)	MA Heptachlor	4.911	3.938	194.3E6	297.7E6	50.068	56.500
5)	MB Aldrin	5.252	4.217	185.2E6	279.6E6	50.171	57.334
6)	B beta-BHC	4.523	3.901	95194838	129.7E6	51.590	58.400
7)	B delta-BHC	4.770	4.129	205.6E6	299.3E6	52.791	59.828
8)	B Heptachlo...	5.680	4.719	167.3E6	258.8E6	50.021	56.515
9)	A Endosulfan I	6.065	5.088	159.6E6	236.5E6	51.968	53.893
10)	B gamma-Chl...	5.936	4.969	172.0E6	273.4E6	51.046	56.624
11)	B alpha-Chl...	6.014	5.033	170.3E6	267.8E6	51.644	56.107
12)	B 4,4'-DDE	6.188	5.220	167.7E6	272.5E6	57.007	58.617m
13)	MA Dieldrin	6.340	5.351	167.7E6	273.7E6	52.426	56.403m
14)	MA Endrin	6.568	5.627	141.0E6	248.2E6	50.870m	56.875m
15)	B Endosulfa...	6.790	5.923	141.8E6	240.9E6	52.225	55.660
16)	A 4,4'-DDD	6.706	5.775	126.4E6	219.5E6	58.335	61.035m
17)	MA 4,4'-DDT	7.020	6.026	131.6E6	239.9E6	55.320	59.498
18)	B Endrin al...	6.920	6.103	107.6E6	184.9E6	50.973	54.950
19)	B Endosulfa...	7.155	6.325	127.7E6	233.2E6	52.509	57.250
20)	A Methoxychlor	7.496	6.601	68380798	127.1E6	57.123	59.914
21)	B Endrin ke...	7.640	6.829	142.2E6	269.5E6	53.781	56.468m
22)	Mirex	8.112	7.010	102.8E6	208.9E6	49.764	55.052

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 16:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

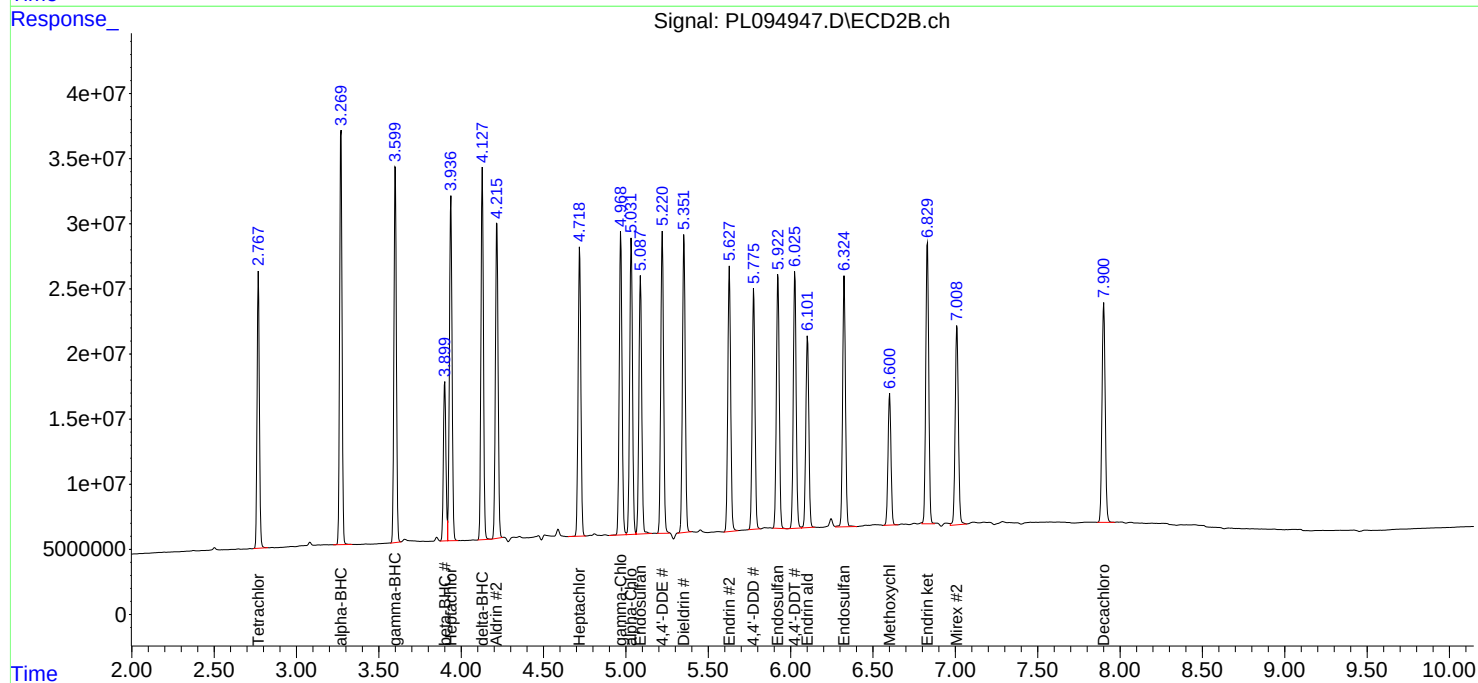
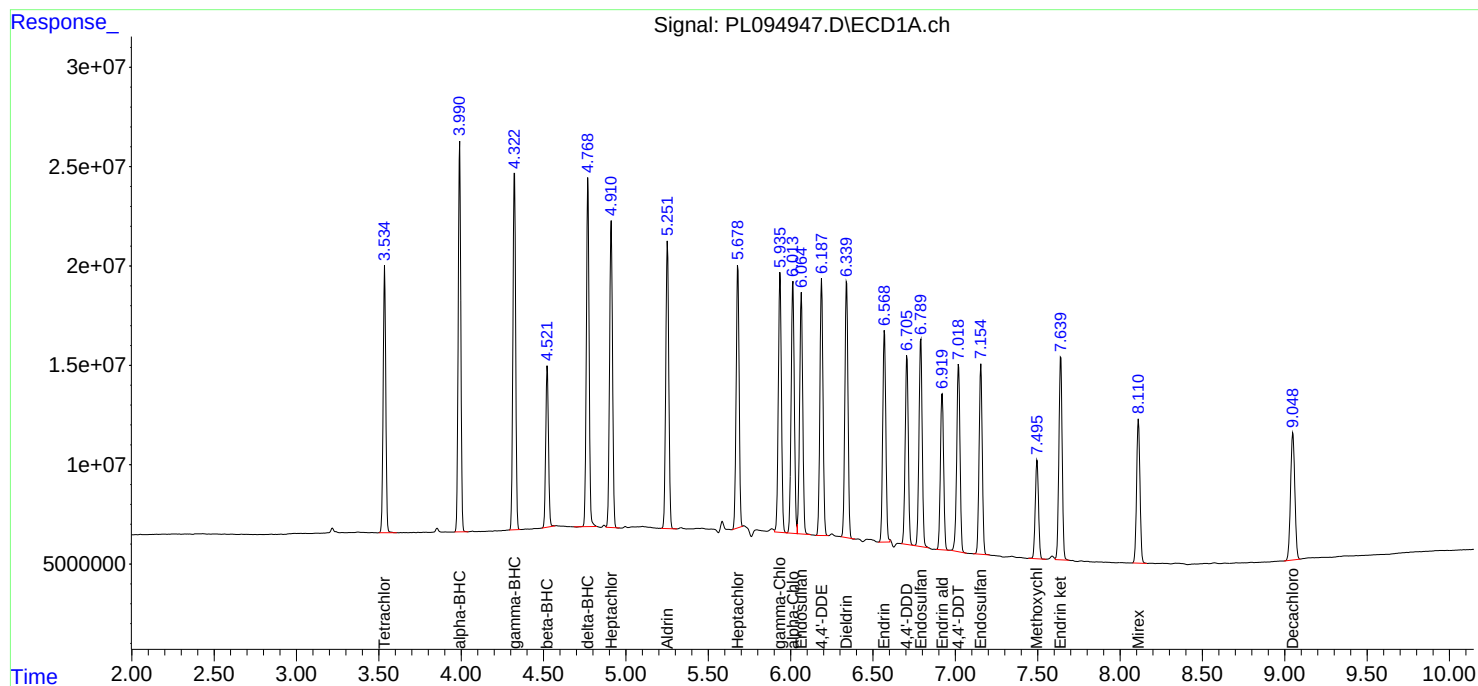
APPROVED

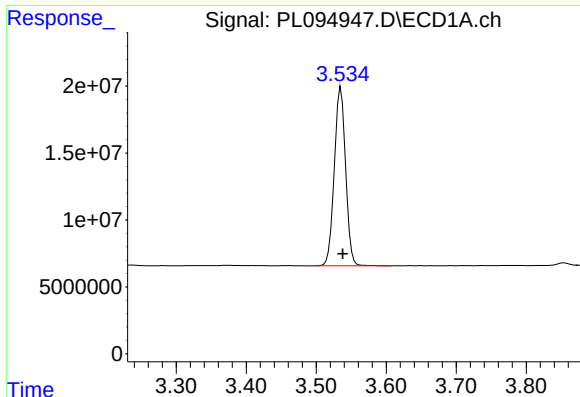
Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:11:54 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





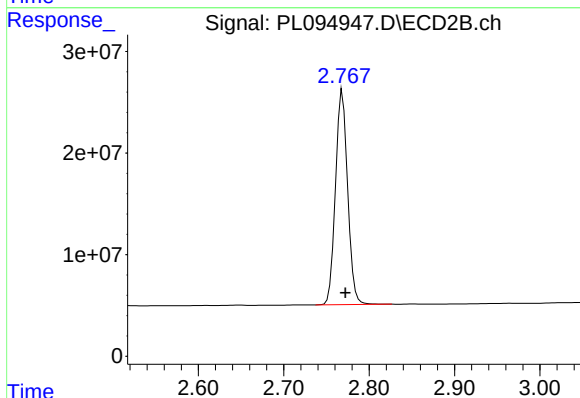
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 149555011
Conc: 52.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

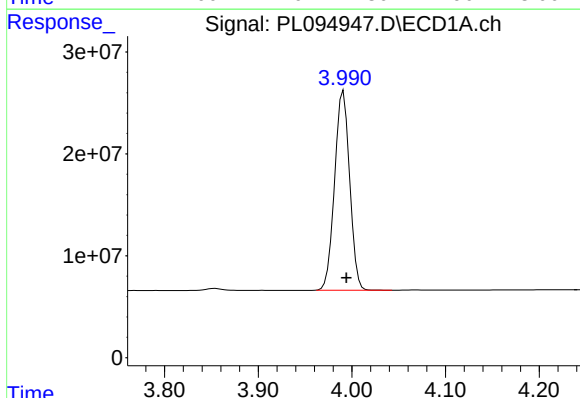
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



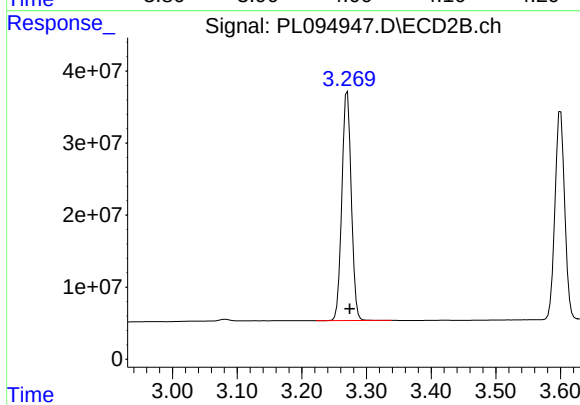
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 208891189
Conc: 58.52 ng/ml



#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 218735931
Conc: 52.68 ng/ml

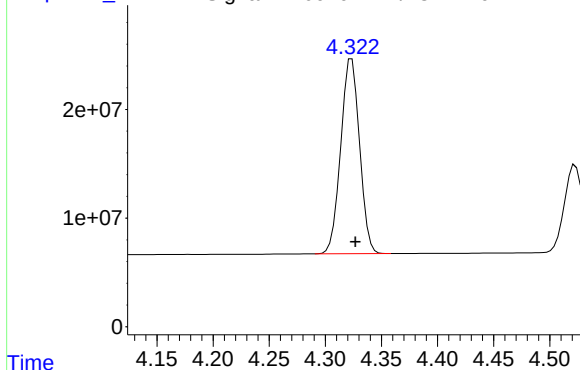


#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.004 min
Response: 321471869
Conc: 59.63 ng/ml

Signal: PL094947.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.323 min
Delta R.T.: -0.003 min
Response: 209202688
Conc: 52.43 ng/ml

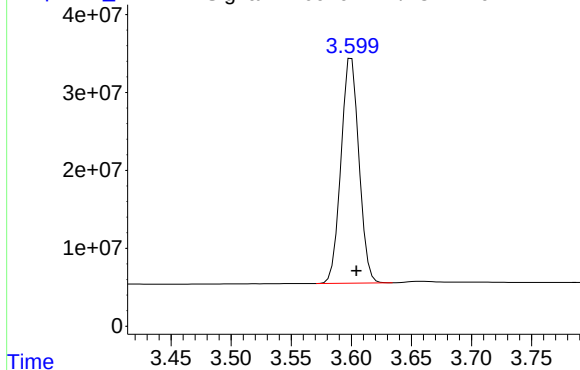
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Signal: PL094947.D\ECD2B.ch

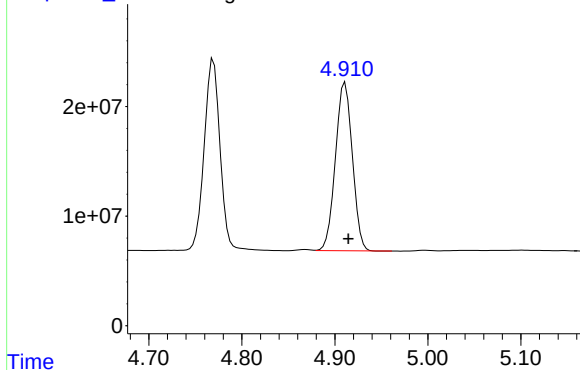
#3 gamma-BHC (Lindane)



R.T.: 3.599 min
Delta R.T.: -0.006 min
Response: 300855213
Conc: 58.54 ng/ml m

Signal: PL094947.D\ECD1A.ch

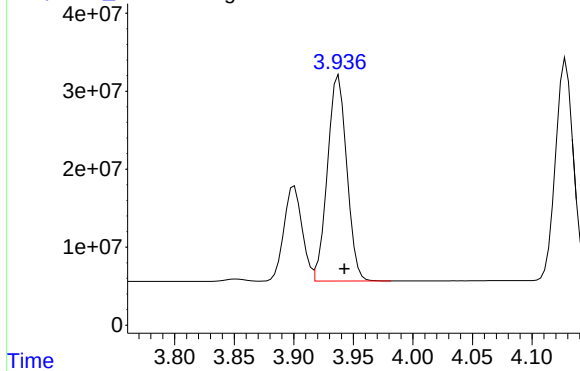
#4 Heptachlor



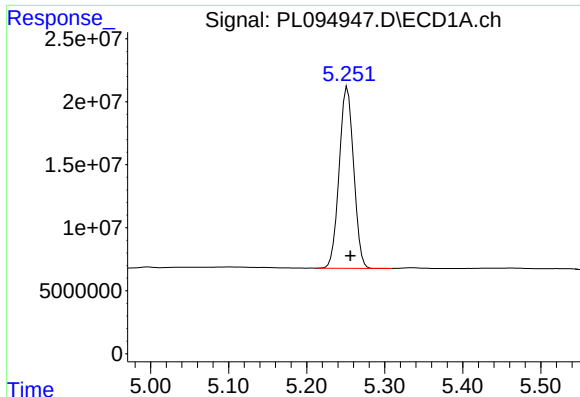
R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 194346649
Conc: 50.07 ng/ml

Signal: PL094947.D\ECD2B.ch

#4 Heptachlor



R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 297677154
Conc: 56.50 ng/ml



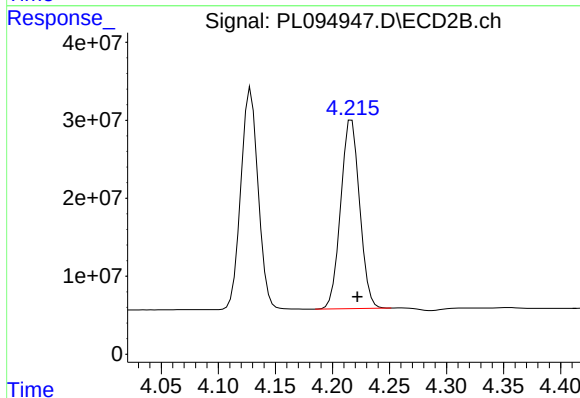
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 185244094
Conc: 50.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

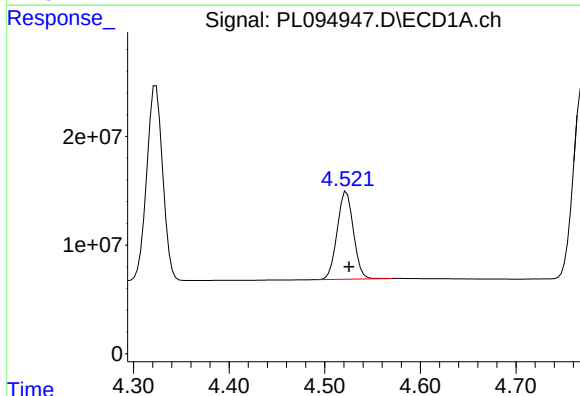
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



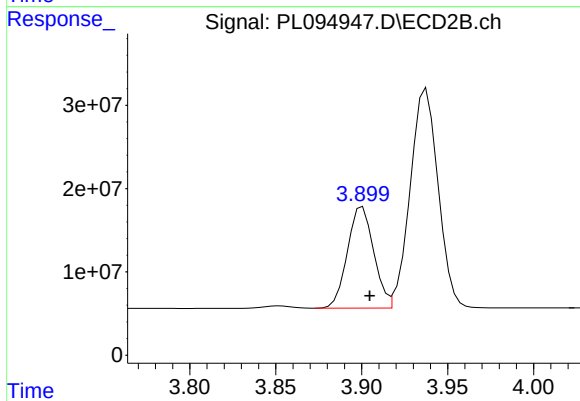
#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.005 min
Response: 279579639
Conc: 57.33 ng/ml



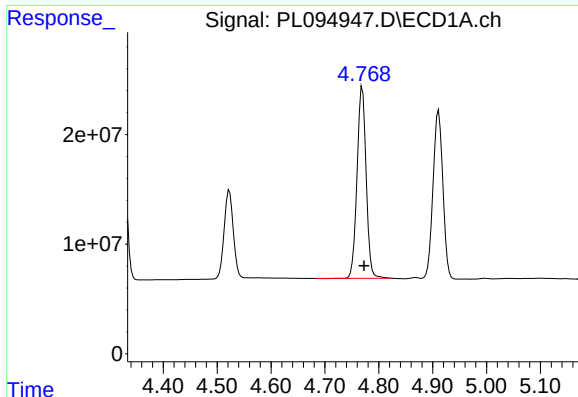
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 95194838
Conc: 51.59 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 129723613
Conc: 58.40 ng/ml



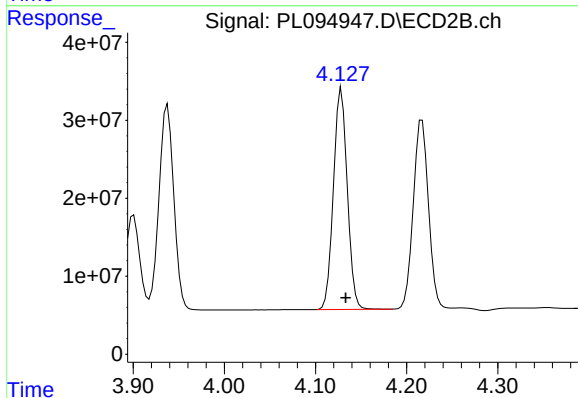
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 205583244
Conc: 52.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

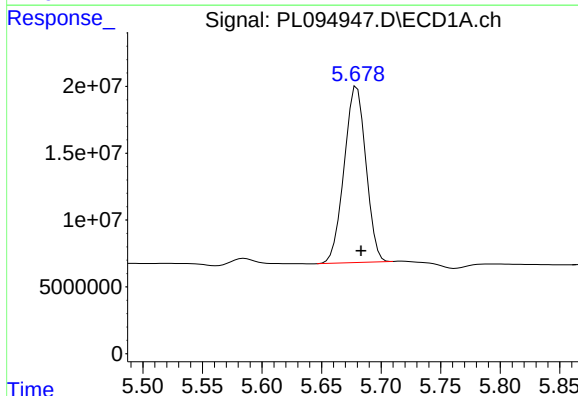
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



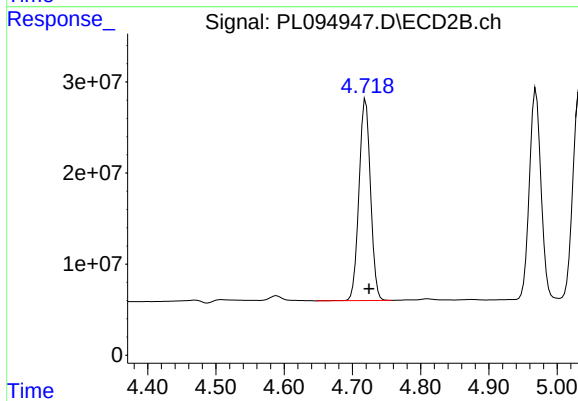
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 299257271
Conc: 59.83 ng/ml



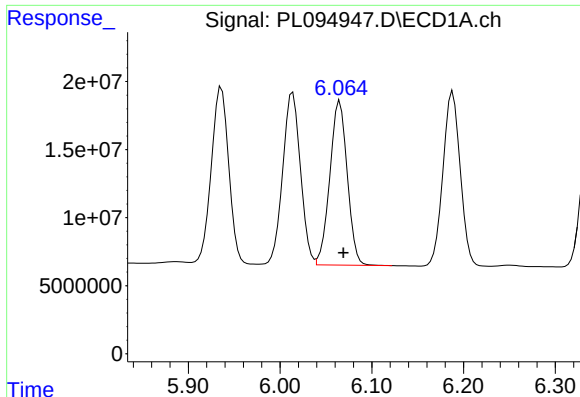
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 167328499
Conc: 50.02 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 258757937
Conc: 56.51 ng/ml



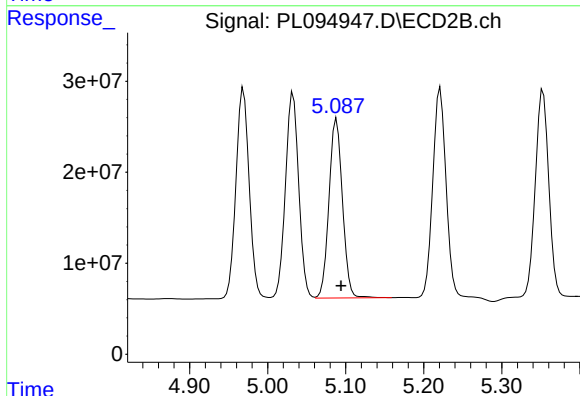
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 159551063
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

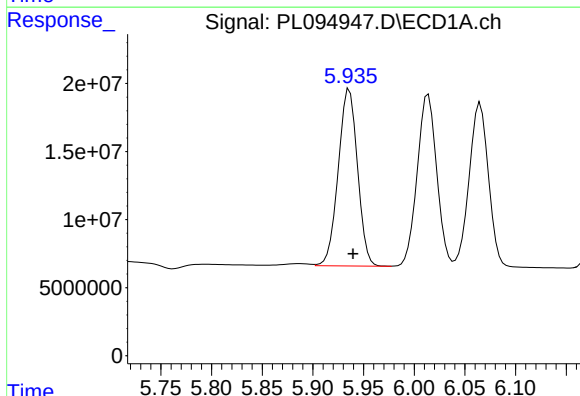
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



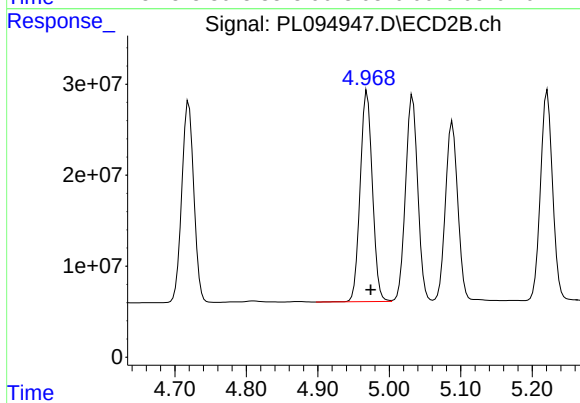
#9 Endosulfan I

R.T.: 5.088 min
Delta R.T.: -0.006 min
Response: 236523302
Conc: 53.89 ng/ml



#10 gamma-Chlordane

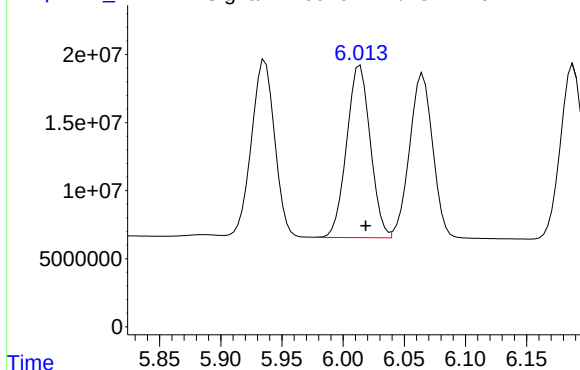
R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 171992222
Conc: 51.05 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 273405205
Conc: 56.62 ng/ml

Response_ Signal: PL094947.D\ECD1A.ch



#11 alpha-Chlordane

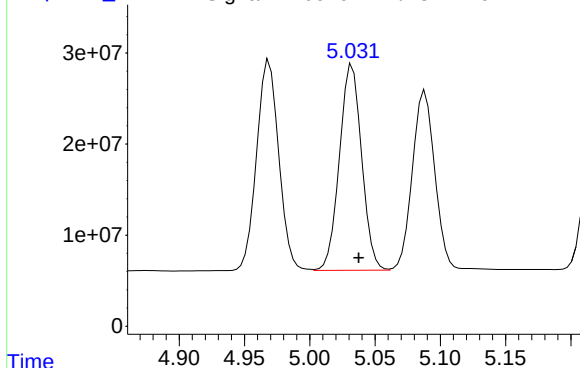
R.T.: 6.014 min
Delta R.T.: -0.005 min
Response: 170261305
Conc: 51.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

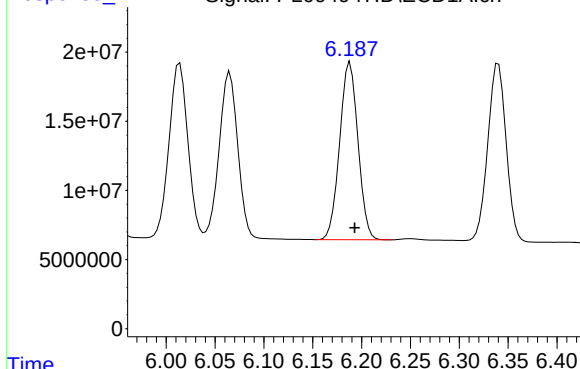
Time Response_ Signal: PL094947.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 267785889
Conc: 56.11 ng/ml

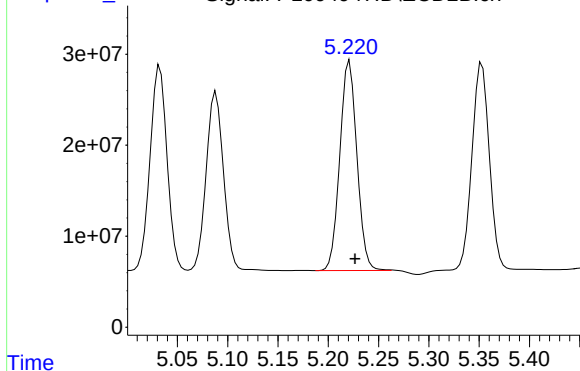
Time Response_ Signal: PL094947.D\ECD1A.ch



#12 4,4'-DDE

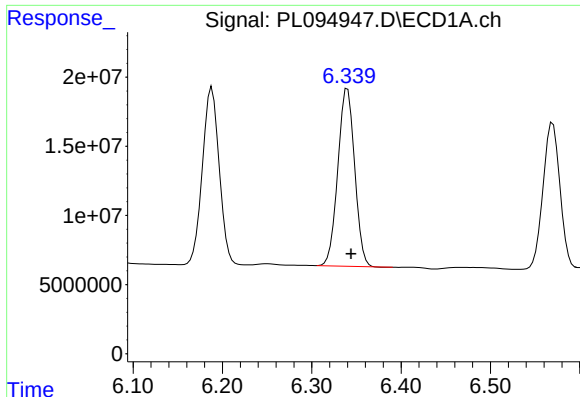
R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 167718764
Conc: 57.01 ng/ml

Time Response_ Signal: PL094947.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 272483847
Conc: 58.62 ng/ml m



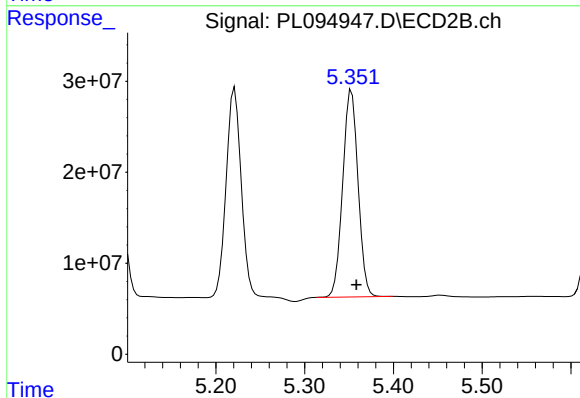
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 167666671
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

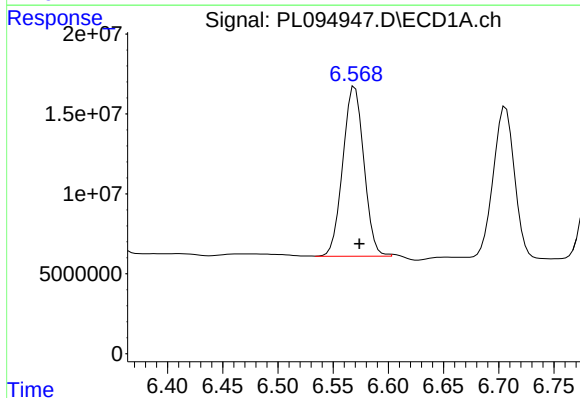
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



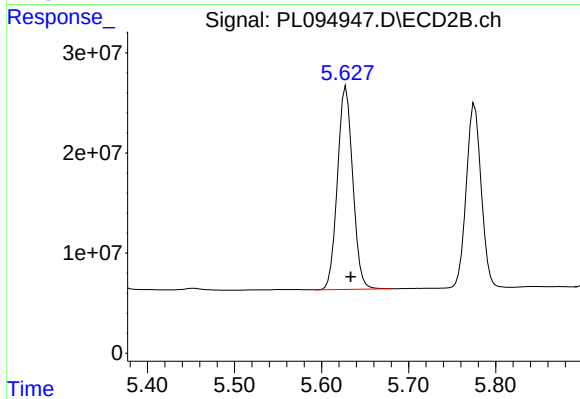
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 273656043
Conc: 56.40 ng/ml m



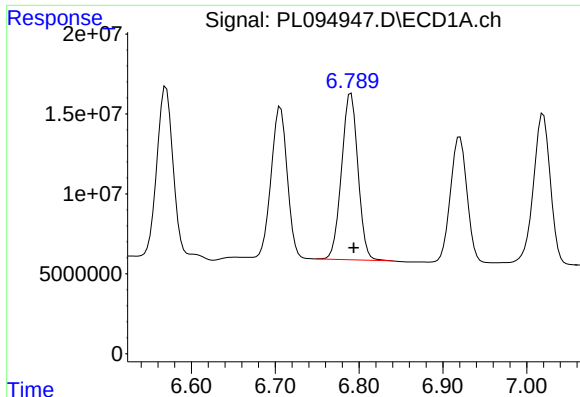
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.005 min
Response: 141014867
Conc: 50.87 ng/ml m



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 248182045
Conc: 56.87 ng/ml m



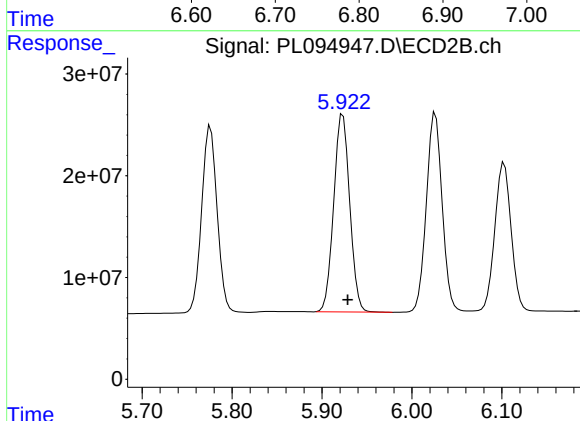
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.003 min
Response: 141777658
Conc: 52.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

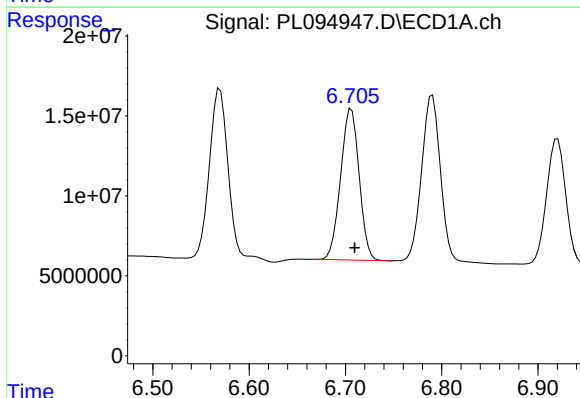
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



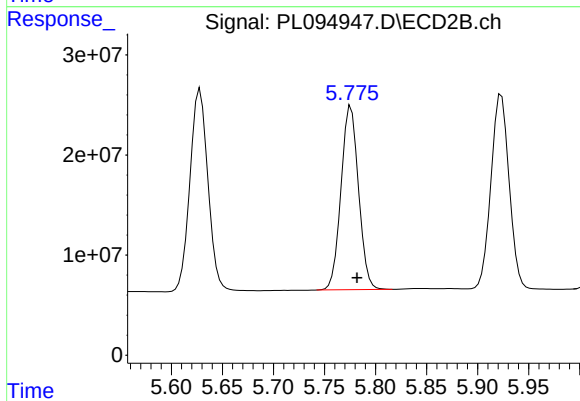
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 240908959
Conc: 55.66 ng/ml



#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 126357651
Conc: 58.34 ng/ml

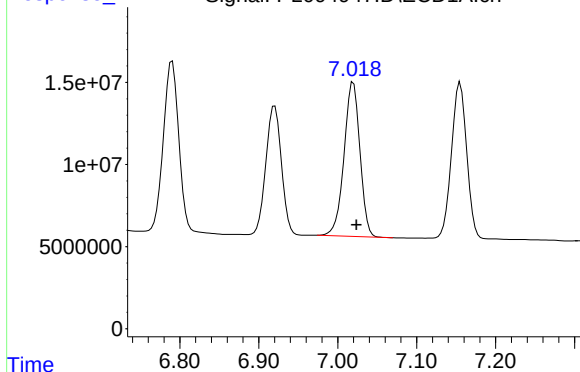


#16 4,4'-DDD

R.T.: 5.775 min
Delta R.T.: -0.007 min
Response: 219476910
Conc: 61.04 ng/ml m

Signal: PL094947.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 131581968
Conc: 55.32 ng/ml

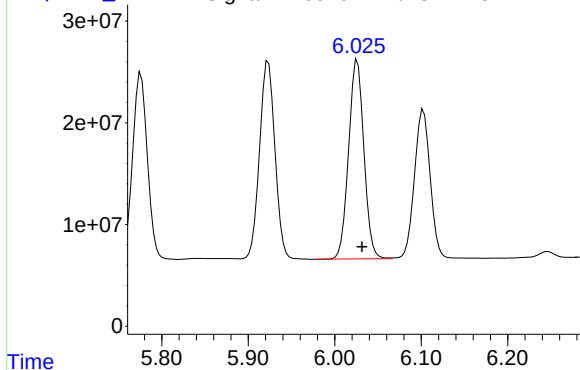
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Signal: PL094947.D\ECD2B.ch

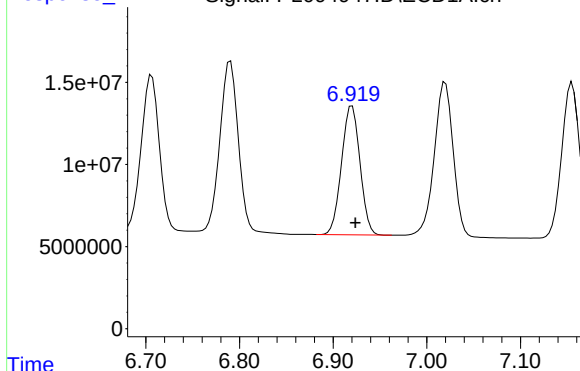
#17 4,4'-DDT



R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 239901694
Conc: 59.50 ng/ml

Signal: PL094947.D\ECD1A.ch

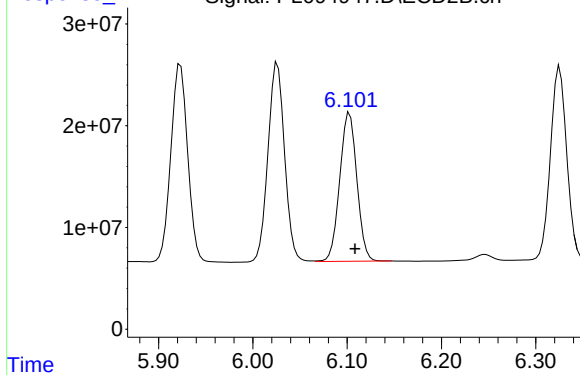
#18 Endrin aldehyde



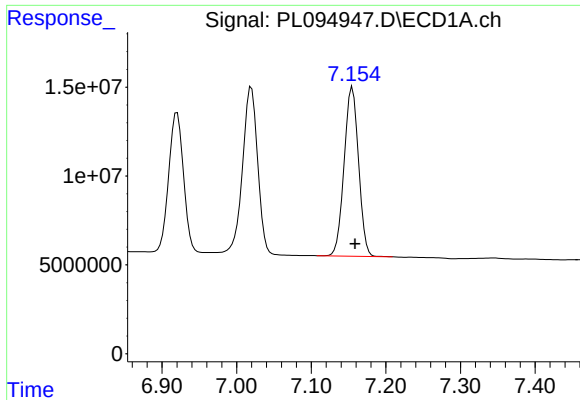
R.T.: 6.920 min
Delta R.T.: -0.004 min
Response: 107602588
Conc: 50.97 ng/ml

Signal: PL094947.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 184926537
Conc: 54.95 ng/ml



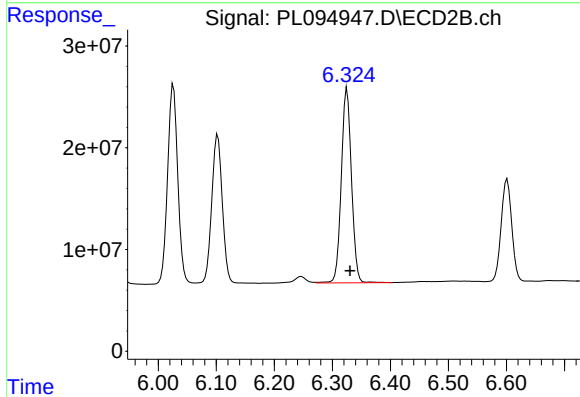
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.004 min
Response: 127701733
Conc: 52.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

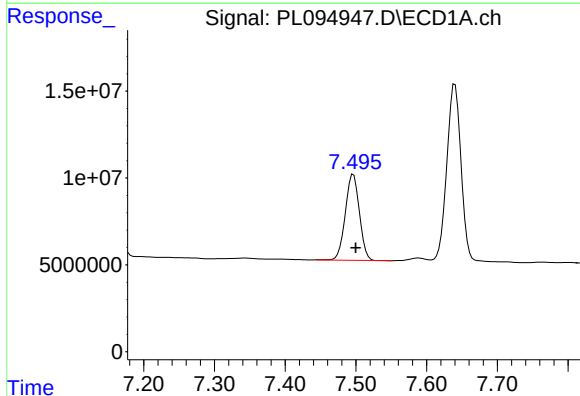
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



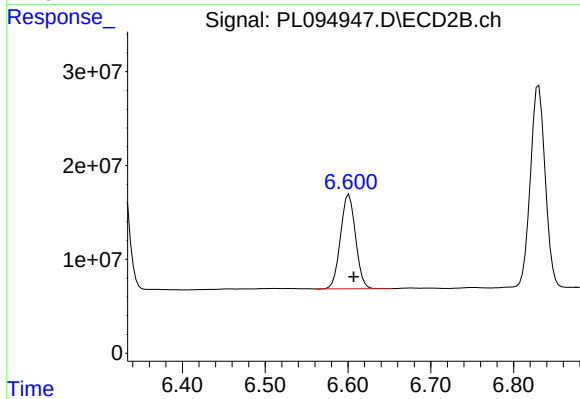
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 233203344
Conc: 57.25 ng/ml



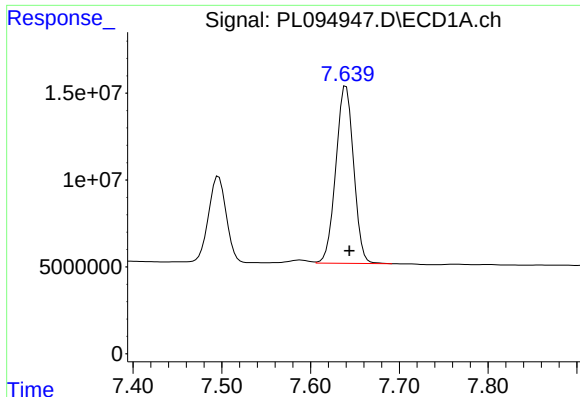
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.003 min
Response: 68380798
Conc: 57.12 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 127081396
Conc: 59.91 ng/ml



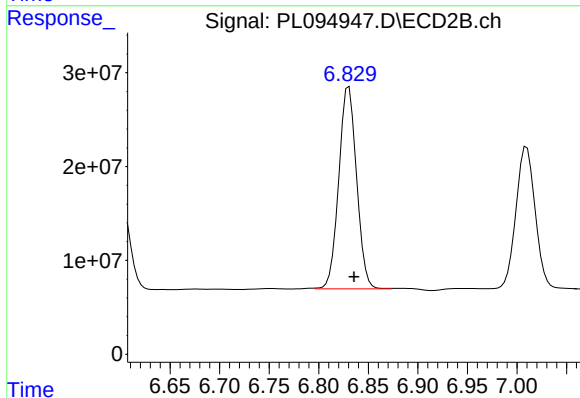
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.004 min
Response: 142158285
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

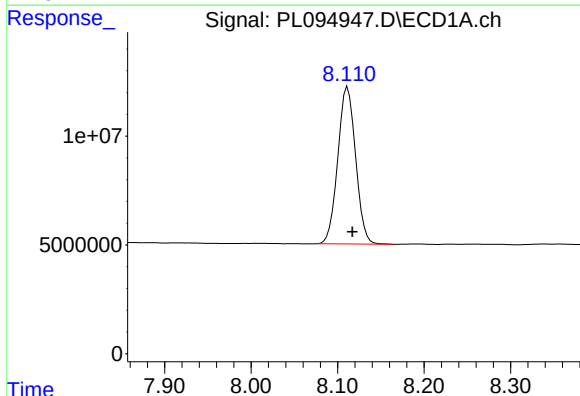
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



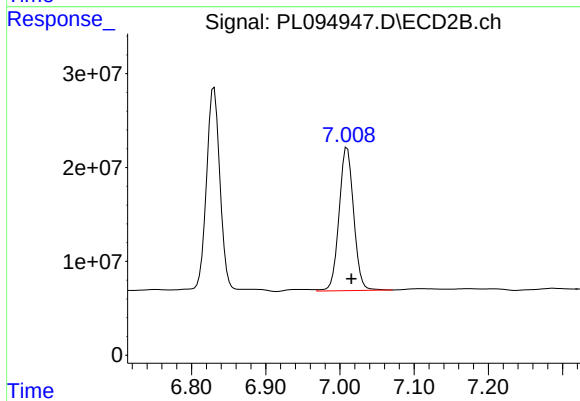
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 269496964
Conc: 56.47 ng/ml m



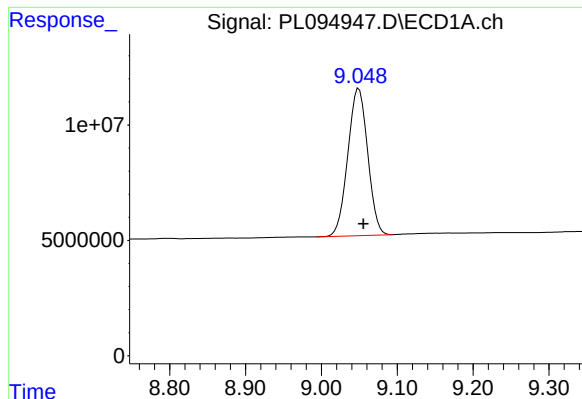
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 102825604
Conc: 49.76 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 208939611
Conc: 55.05 ng/ml



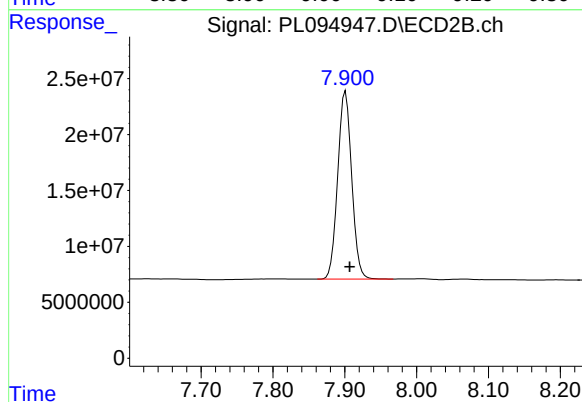
#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 116033476
Conc: 55.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 226974356
Conc: 56.19 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	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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

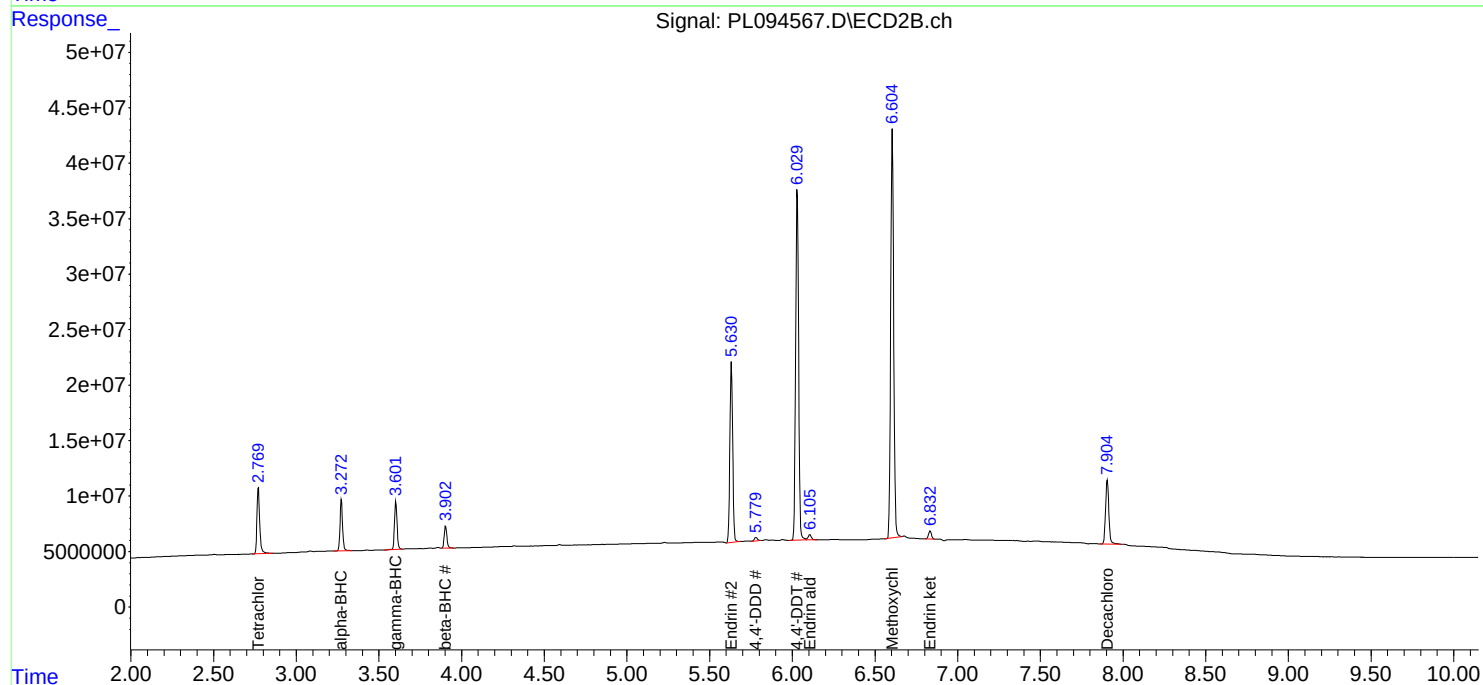
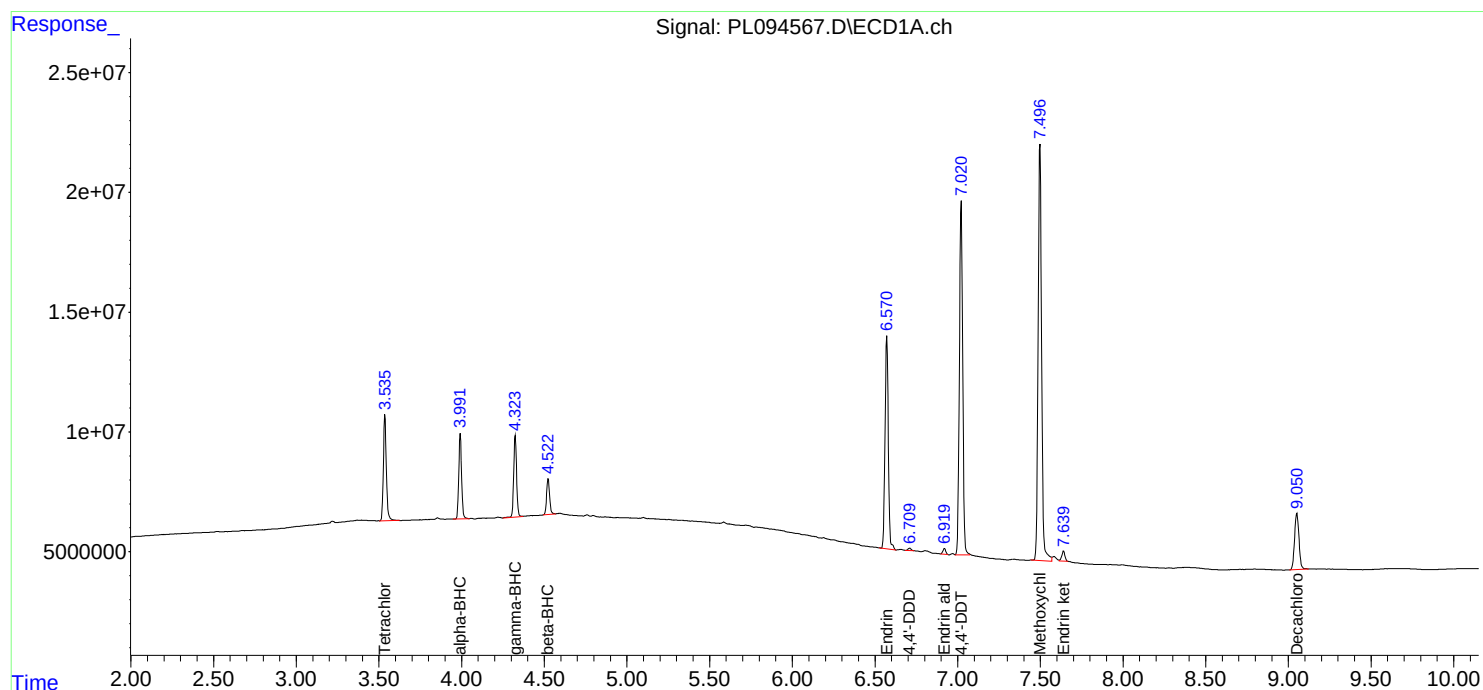
Instrument :
ECD_L
ClientSampleId :
PEM

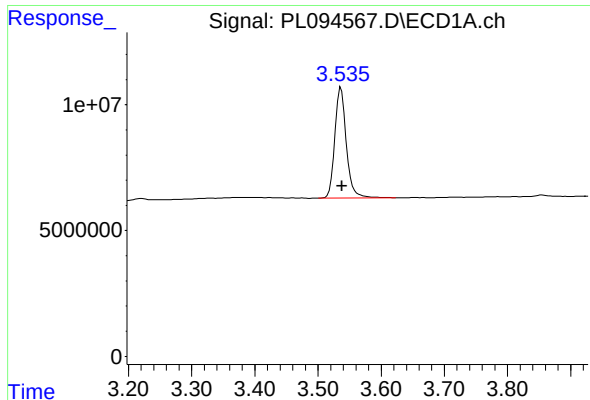
Manual Integrations
APPROVED

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





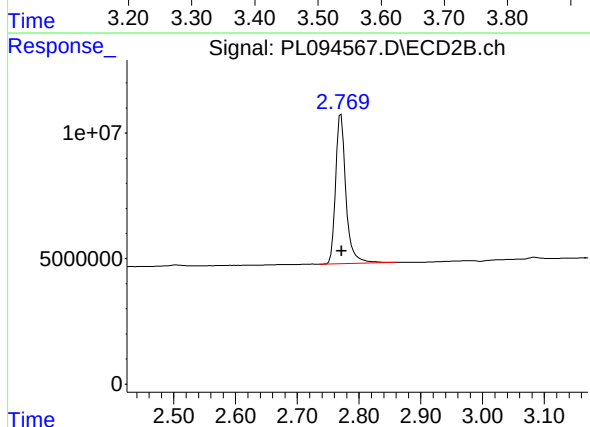
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 55468340
Conc: 19.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

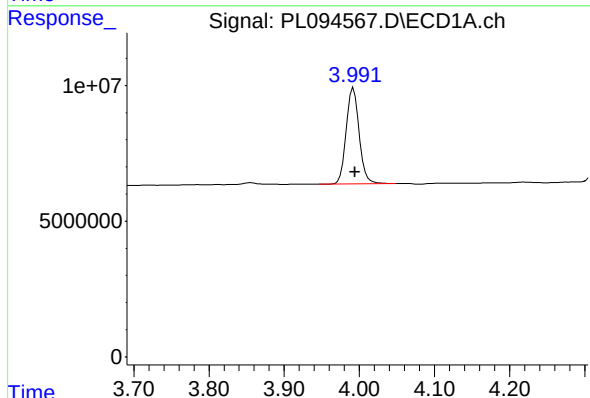
Manual Integrations
APPROVED

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



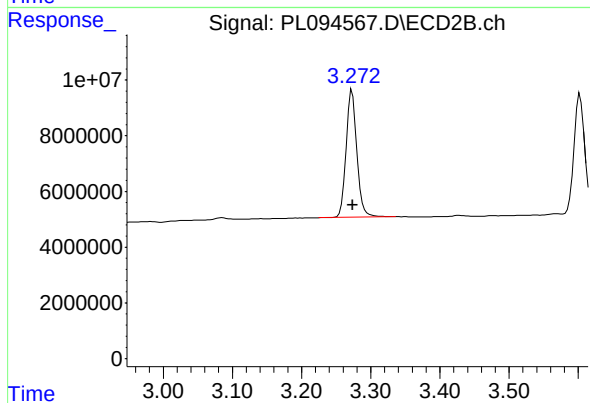
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 68955312
Conc: 19.32 ng/ml



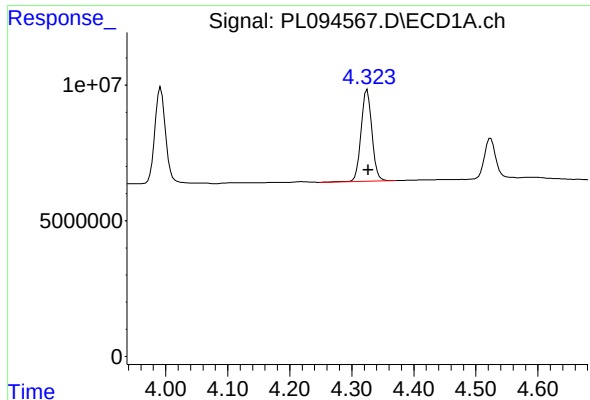
#2 alpha-BHC

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



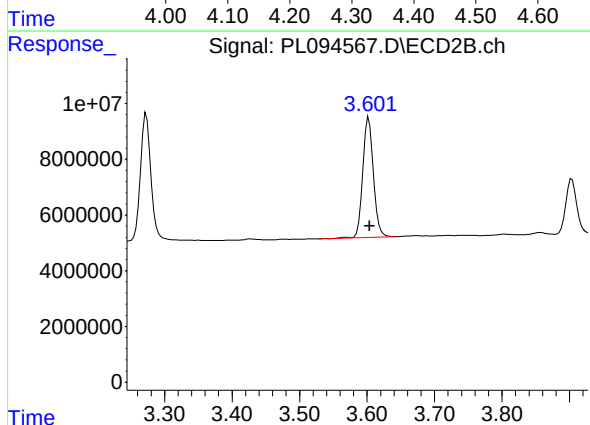
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 41158643
Conc: 10.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

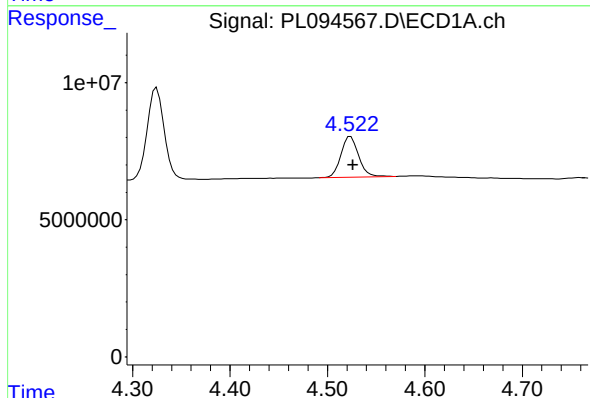
Manual Integrations
APPROVED

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



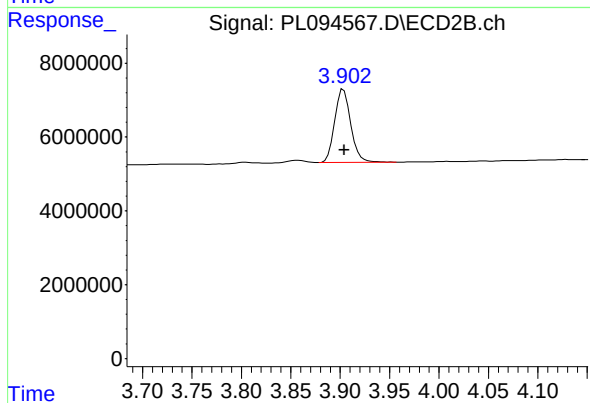
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 47101013
Conc: 9.16 ng/ml



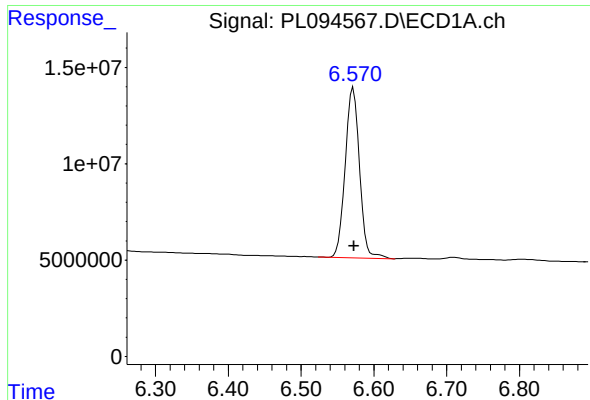
#6 beta-BHC

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



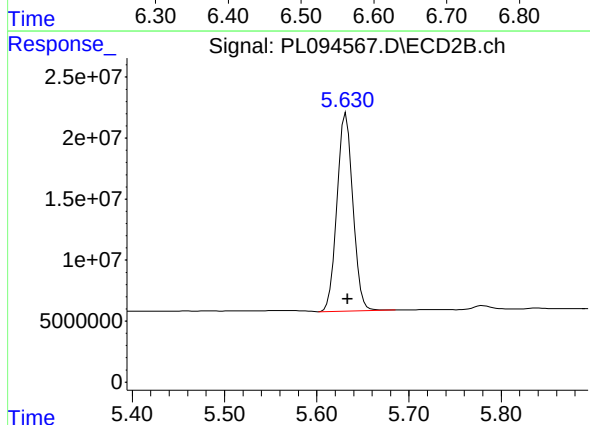
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 120398593
Conc: 43.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

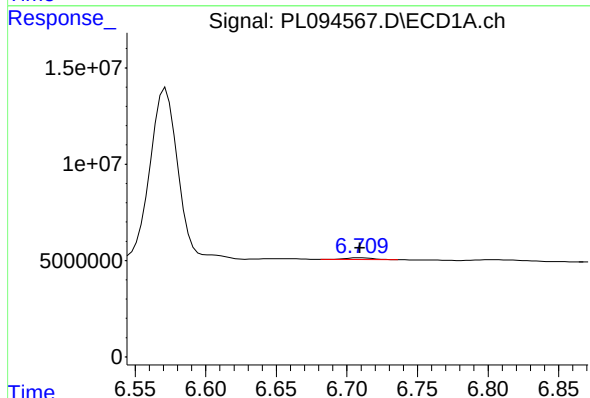
Manual Integrations
APPROVED

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



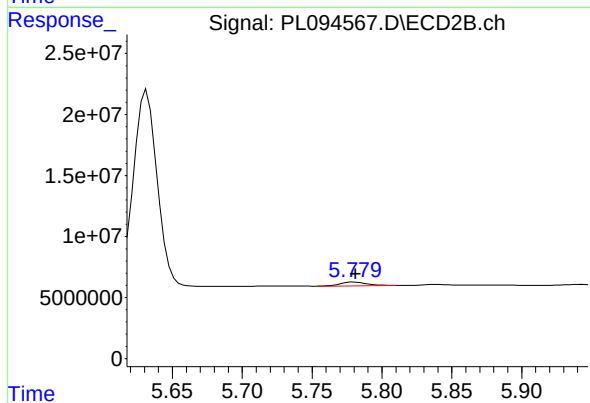
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 193799546
Conc: 44.41 ng/ml



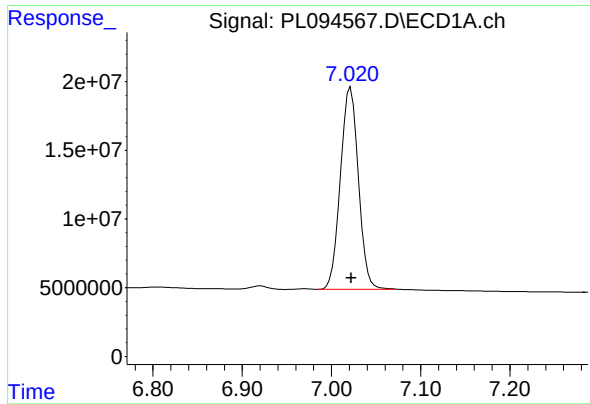
#16 4,4'-DDD

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



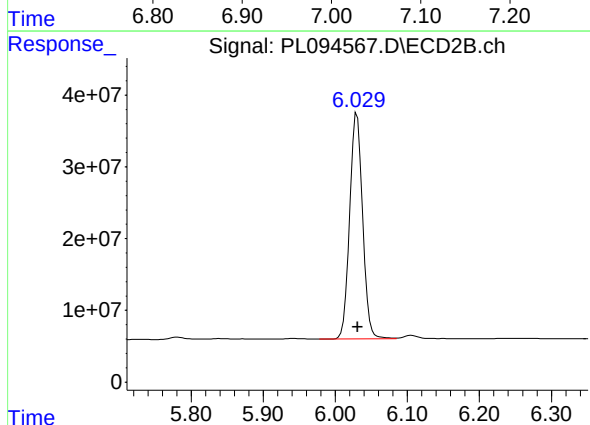
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 207005384
Conc: 87.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

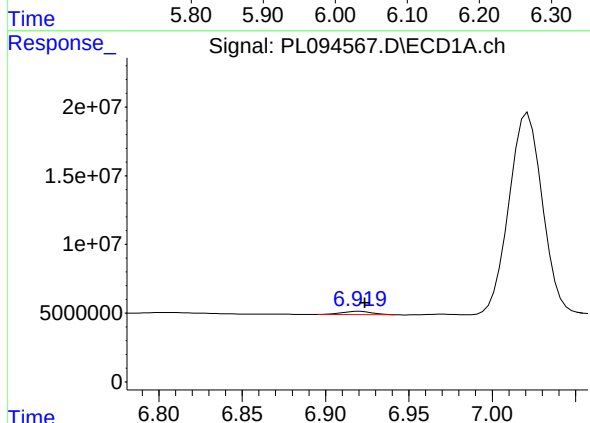
Manual Integrations
APPROVED

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



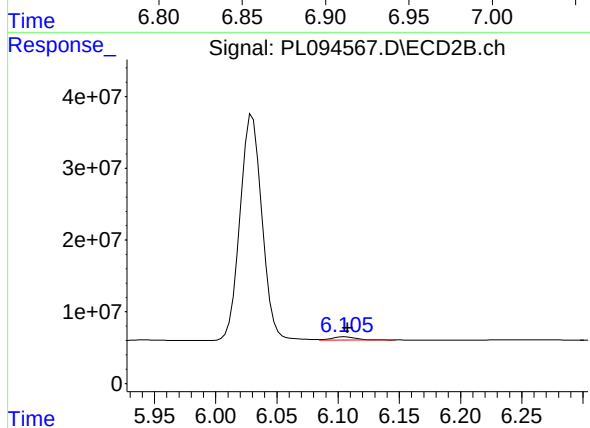
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.001 min
Response: 392738009
Conc: 97.40 ng/ml



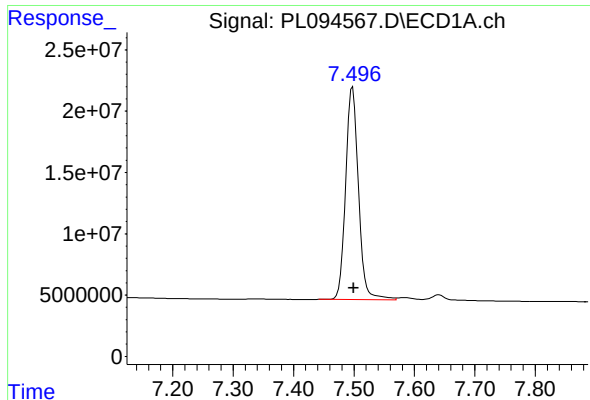
#18 Endrin aldehyde

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



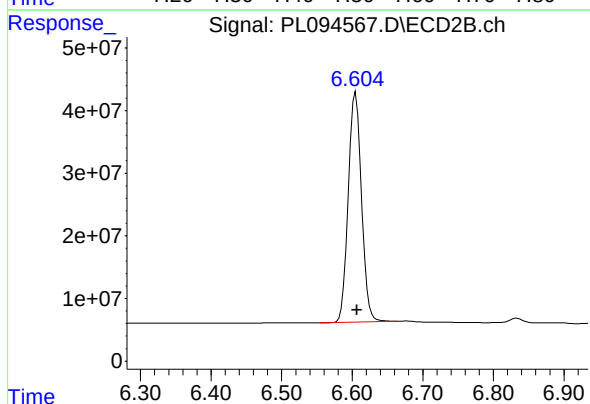
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 256926285
Conc: 214.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

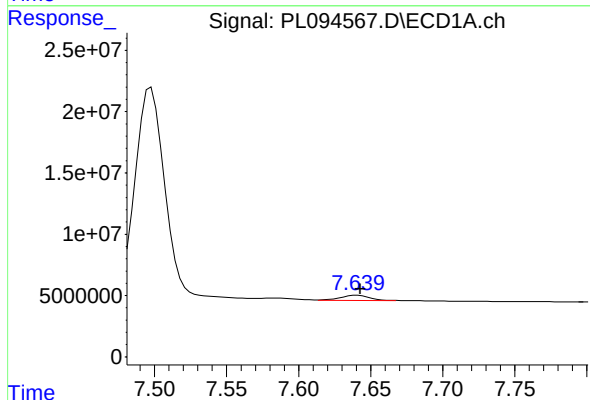
Manual Integrations
APPROVED

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



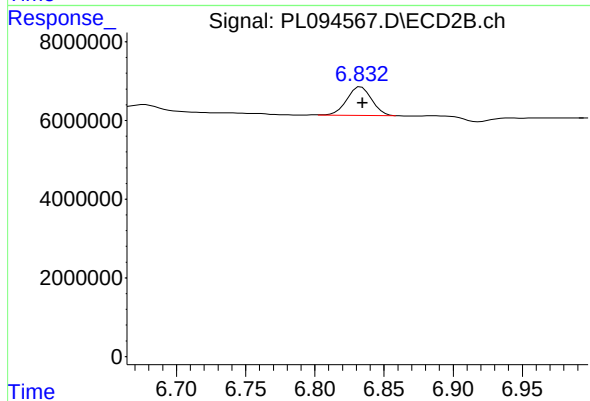
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 475921196
Conc: 224.38 ng/ml



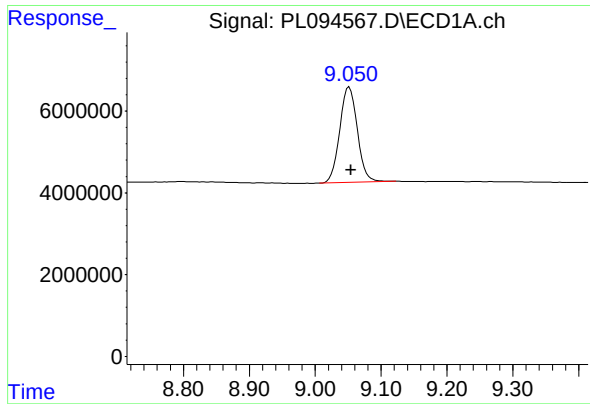
#21 Endrin ketone

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



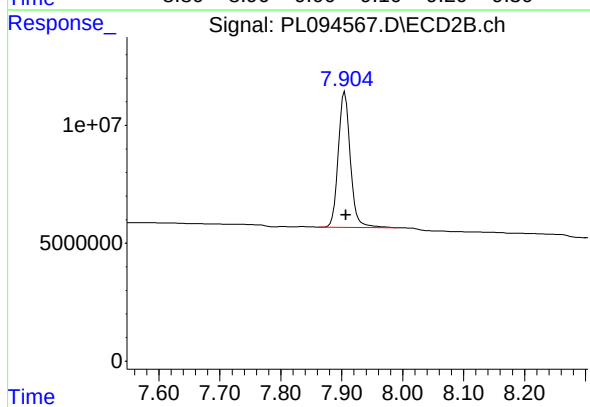
#28 Decachlorobiphenyl

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 - PL094930.D Date Analyzed: 03/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:02

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.051	8.950	9.150	18.400	20.000	-8.0
Tetrachloro-m-xylene	3.536	3.490	3.590	18.080	20.000	-9.6
alpha-BHC	3.992	3.940	4.040	9.110	10.000	-8.9
beta-BHC	4.524	4.470	4.570	8.870	10.000	-11.3
gamma-BHC (Lindane)	4.325	4.270	4.380	9.120	10.000	-8.8
Endrin	6.570	6.500	6.640	37.950	50.000	-24.1
4,4'-DDT	7.022	6.950	7.090	83.650	100.000	-16.4
Methoxychlor	7.498	7.430	7.570	207.630	250.000	-16.9

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

Client Sample No. (PEM): PEM - PL094930.D Date Analyzed: 03/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 12:02

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.902	7.800	8.000	18.410	20.000	-8.0
Tetrachloro-m-xylene	2.770	2.720	2.820	18.820	20.000	-5.9
alpha-BHC	3.271	3.220	3.320	8.930	10.000	-10.7
beta-BHC	3.902	3.850	3.950	9.570	10.000	-4.3
gamma-BHC (Lindane)	3.600	3.550	3.650	8.490	10.000	-15.1
Endrin	5.630	5.560	5.700	42.150	50.000	-15.7
4,4'-DDT	6.028	5.960	6.100	95.000	100.000	-5.0
Methoxychlor	6.602	6.530	6.670	220.490	250.000	-11.8

PEM
 Data File: PL094930.D Date Acquired 3/28/2025 12:02
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	105202577.9	111889643.7	6687065.75	Down 5.98
Endrin aldehyde	6.92	2137437.104			
Endrin ketone	7.64	4549628.651			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	183917756.6	199445590	15527833.3	7.79
Endrin aldehyde #2	6.10	6109762.656			
Endrin ketone #2	6.83	9418070.672			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	198963974	200668635.7	1704661.71	0.85
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1704661.705			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	383043845.9	386756732.6	3712886.68	0.96
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	3712886.685			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
 Data File : PL094930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 12:02
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/31/2025
 Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:14:16 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	51176439	67174459	18.079	18.820
28)	SA Decachlor...	9.051	7.902	38783026	74378884	18.403	18.414
Target Compounds							
2)	A alpha-BHC	3.992	3.271	37842103	48140858	9.113	8.929
3)	MA gamma-BHC...	4.325	3.600	36410945	43658514	9.125	8.495m
6)	B beta-BHC	4.524	3.902	16361354	21247164	8.867	9.565
14)	MA Endrin	6.570	5.630	105.2E6	183.9E6	37.951m	42.148
16)	A 4,4'-DDD	6.707	5.778	1704662	3712887	0.787m	1.033m#
17)	MA 4,4'-DDT	7.022	6.028	199.0E6	383.0E6	83.650	94.998
18)	B Endrin al...	6.920	6.105	2137437	6109763	1.013m	1.815 #
20)	A Methoxychlor	7.498	6.602	248.5E6	467.7E6	207.630	220.495m
21)	B Endrin ke...	7.639	6.830	4549629	9418071	1.721m	1.973m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 12:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

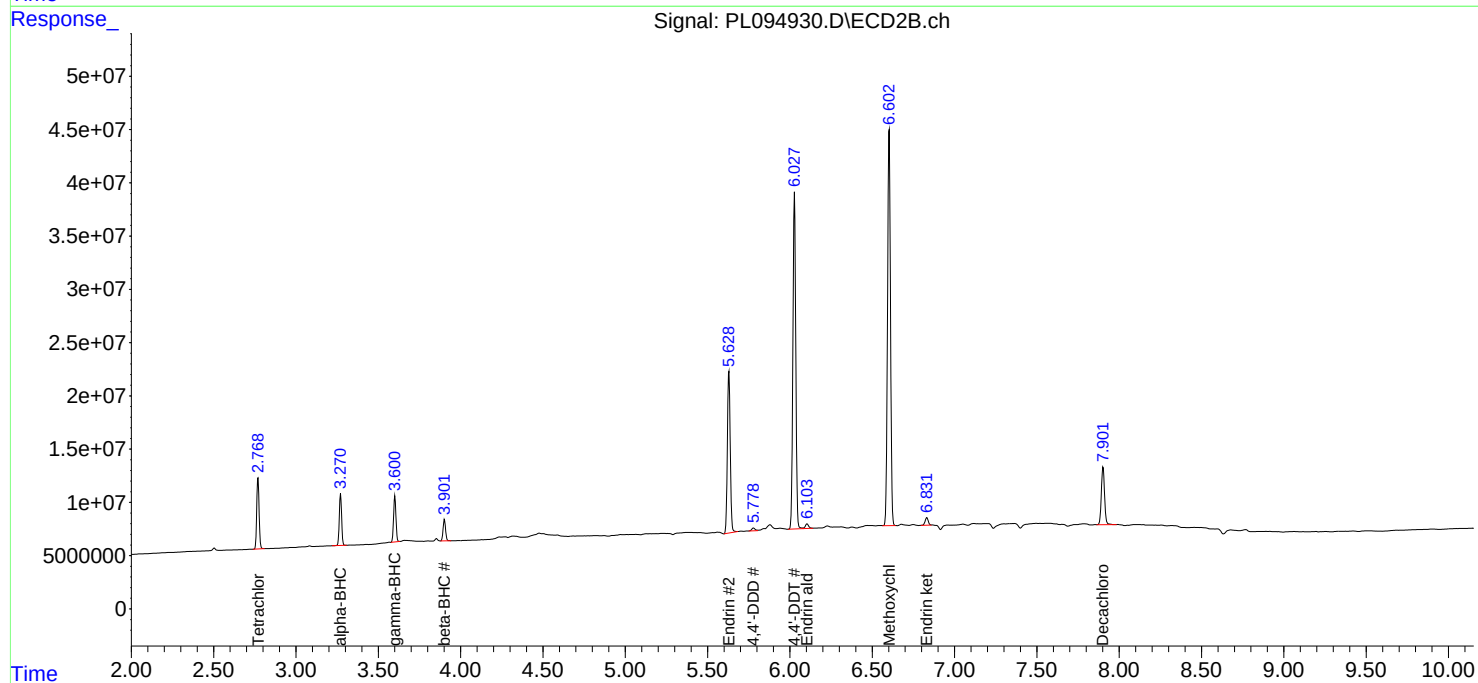
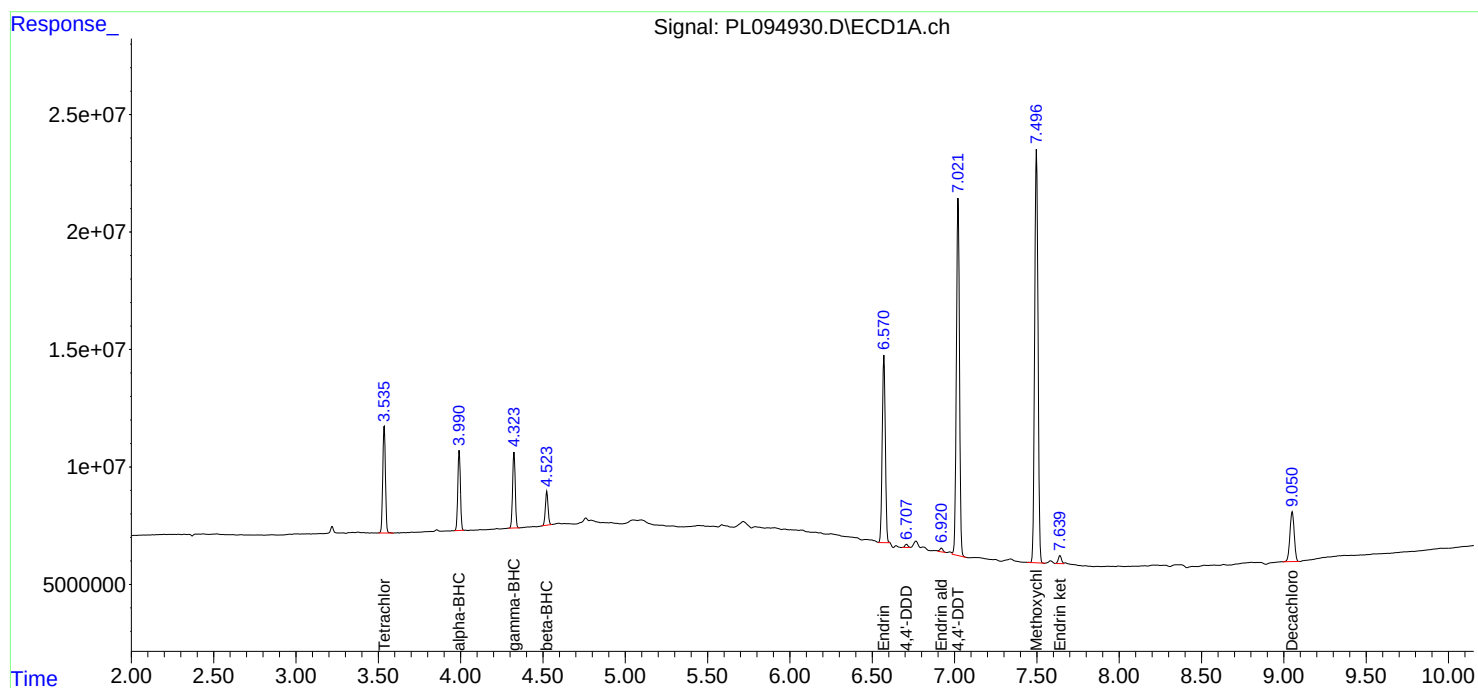
Instrument :
ECD_L
ClientSampleId :
PEM

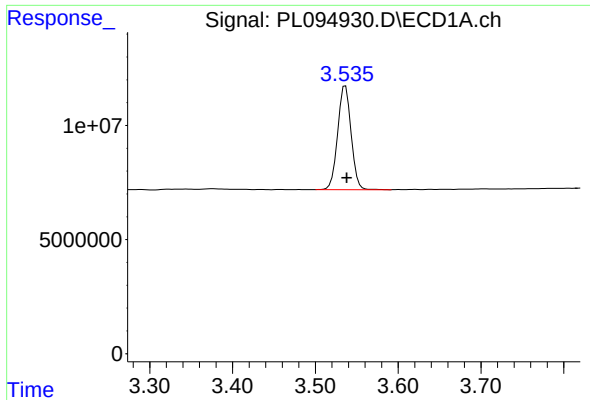
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 03/31/2025
Supervised By : mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:14:16 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





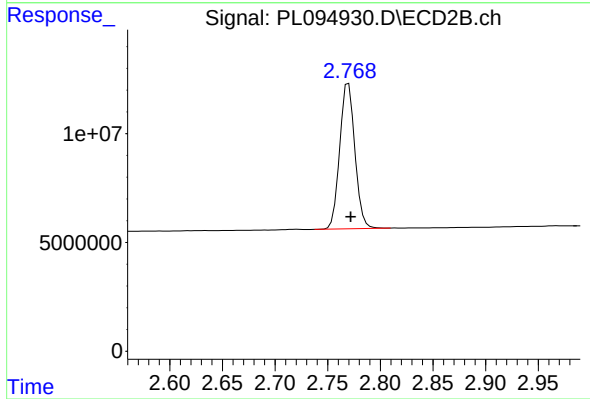
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 51176439
Conc: 18.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

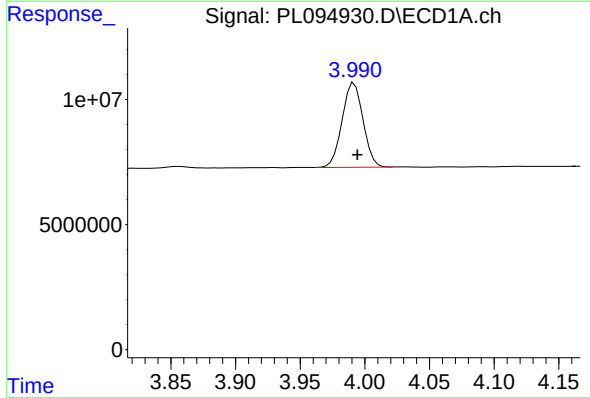
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



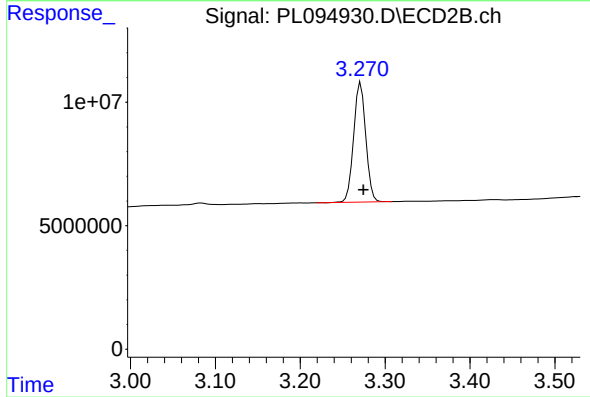
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 67174459
Conc: 18.82 ng/ml



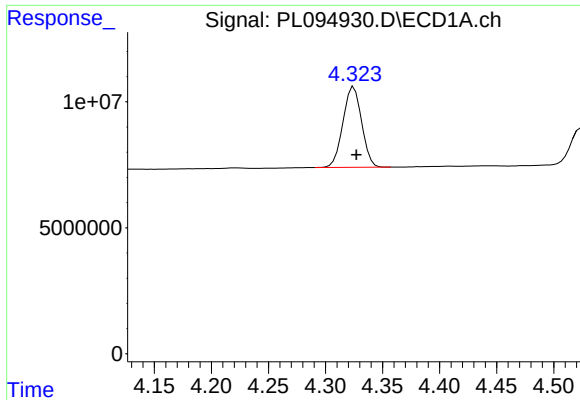
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 37842103
Conc: 9.11 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 48140858
Conc: 8.93 ng/ml



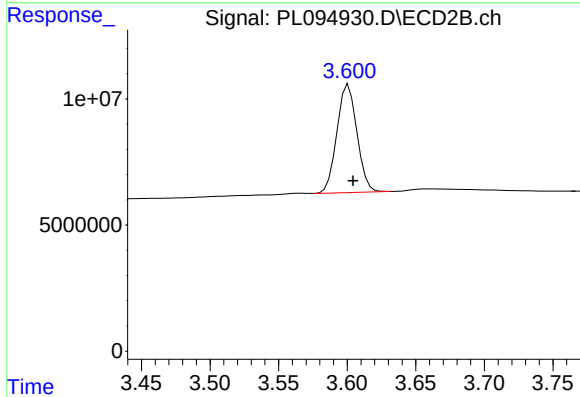
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 36410945
Conc: 9.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

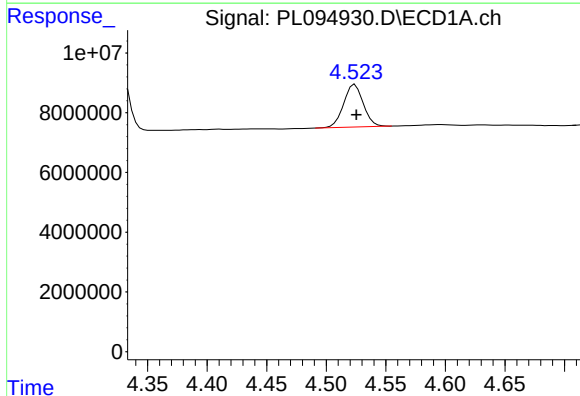
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



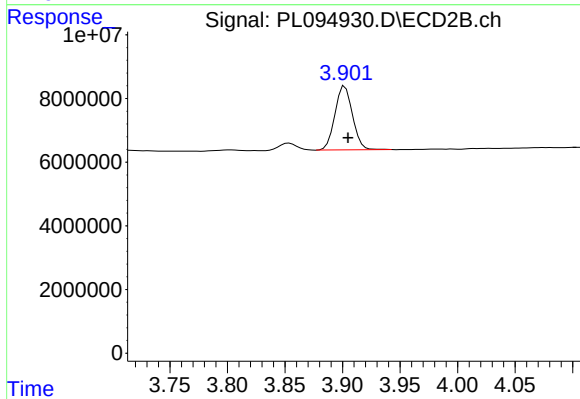
#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.005 min
Response: 43658514
Conc: 8.49 ng/ml m



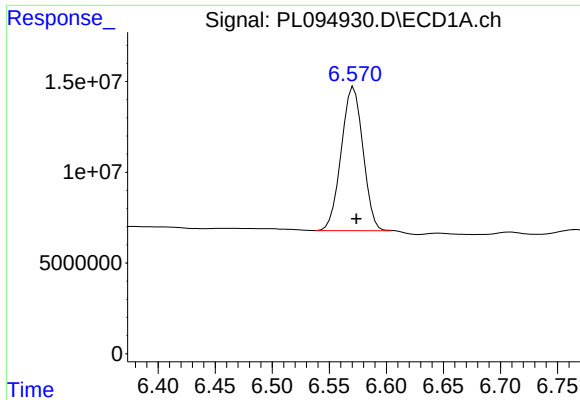
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 16361354
Conc: 8.87 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.003 min
Response: 21247164
Conc: 9.57 ng/ml



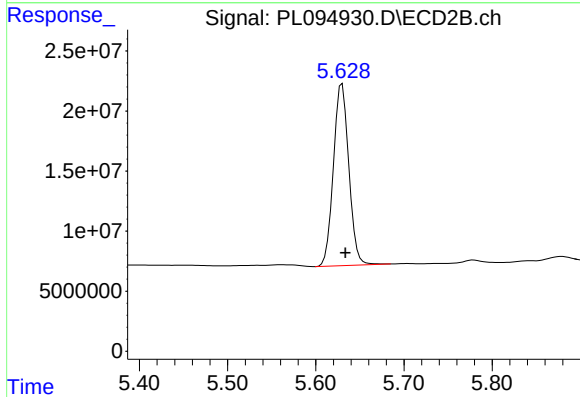
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 105202578
Conc: 37.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

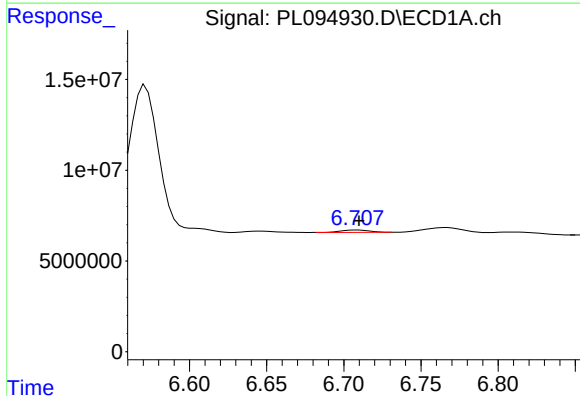
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



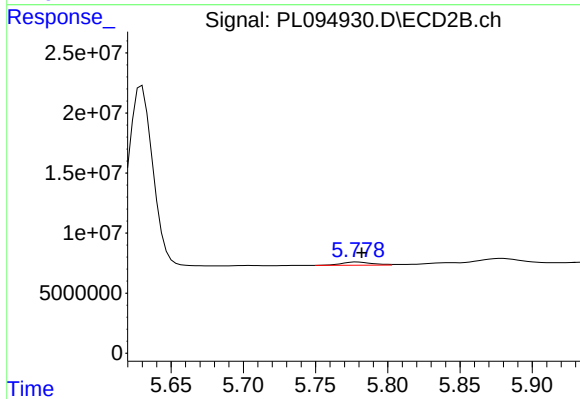
#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.004 min
Response: 183917757
Conc: 42.15 ng/ml



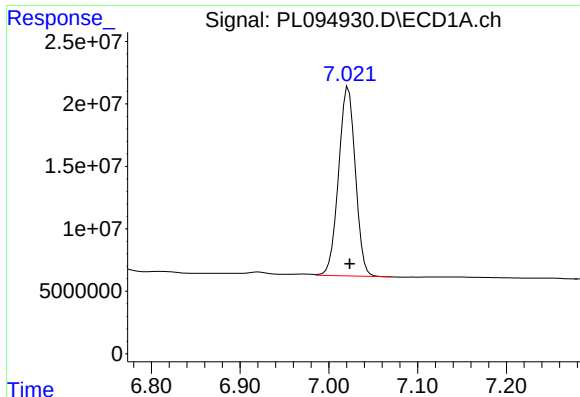
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 1704662
Conc: 0.79 ng/ml m



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 3712887
Conc: 1.03 ng/ml m



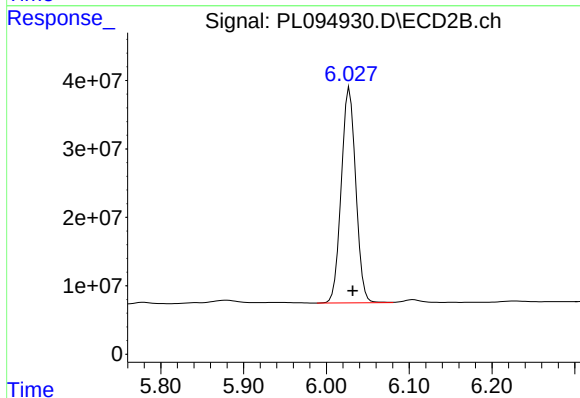
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 198963974
Conc: 83.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

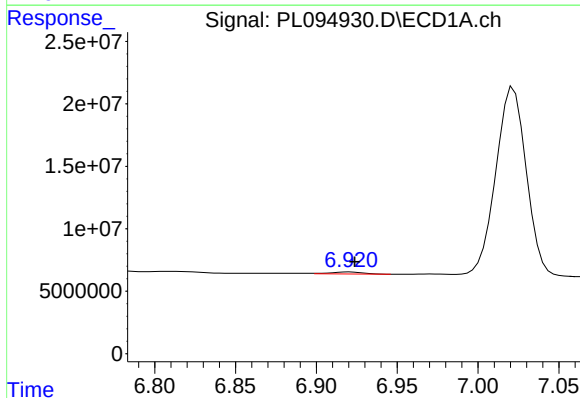
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



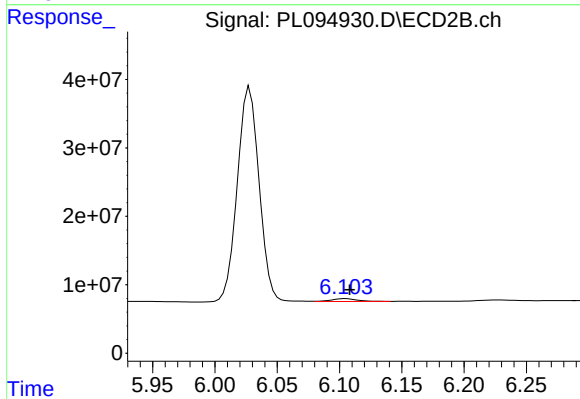
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 383043846
Conc: 95.00 ng/ml



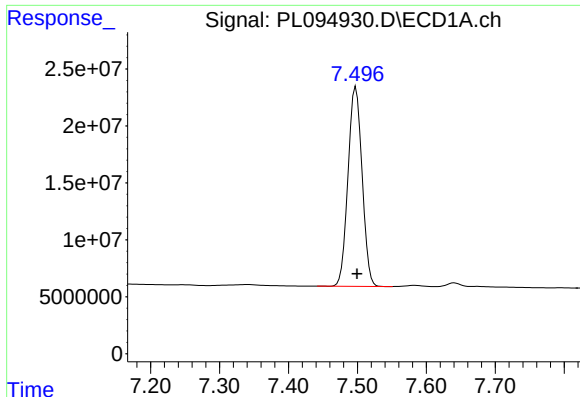
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.004 min
Response: 2137437
Conc: 1.01 ng/ml m



#18 Endrin aldehyde

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 6109763
Conc: 1.82 ng/ml



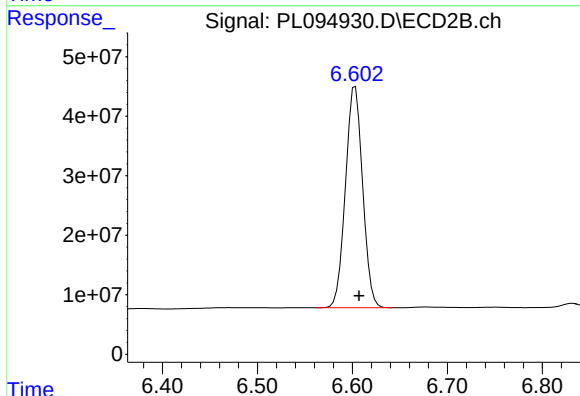
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 248547613
Conc: 207.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

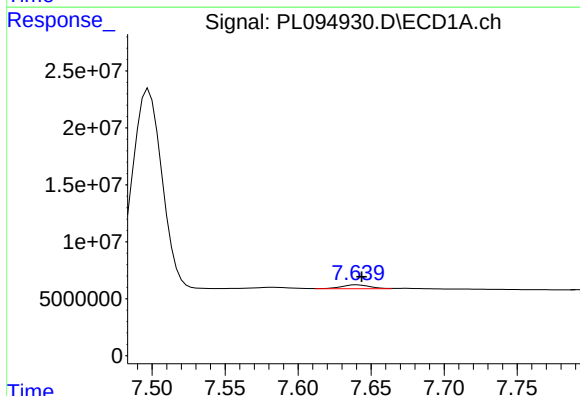
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



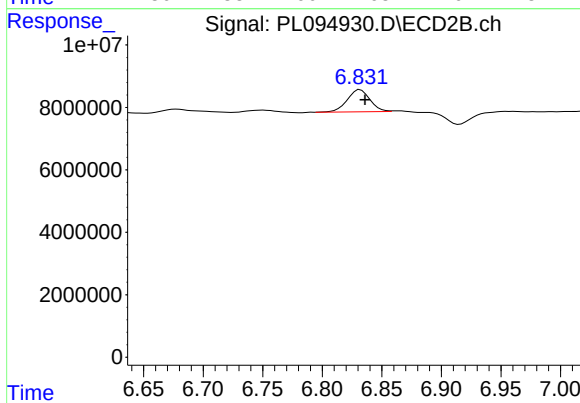
#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 467683889
Conc: 220.49 ng/ml m



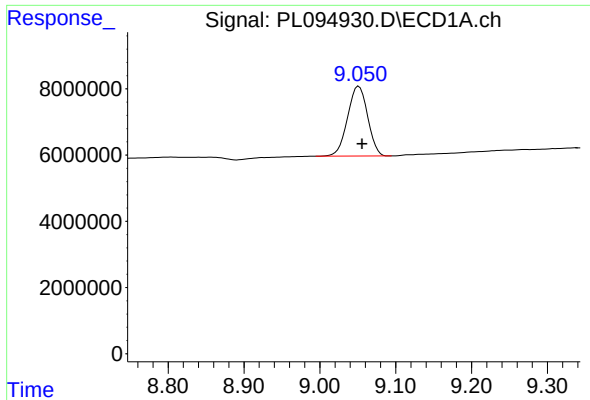
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 4549629
Conc: 1.72 ng/ml m



#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 9418071
Conc: 1.97 ng/ml m



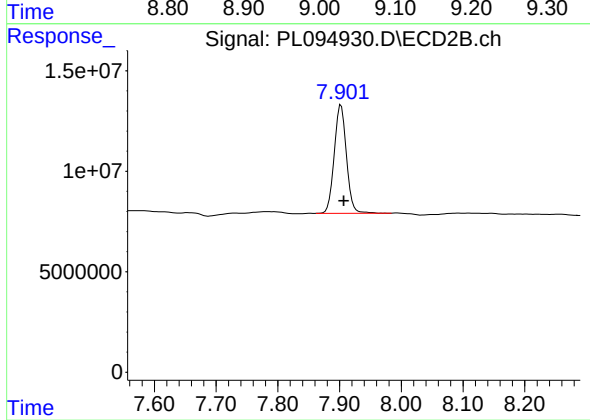
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 38783026
Conc: 18.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.004 min
Response: 74378884
Conc: 18.41 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

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

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Title : GC Extractables
Last Update : Tue Mar 11 17:42:21 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.937	100.00%
5.937	6.067	100.00%
6.067	6.191	100.00%
6.191	6.343	100.00%
6.343	7.158	100.00%
7.158	7.500	100.00%
7.500	7.643	100.00%
7.643	9.053	100.00%

Signal #2

2.771	4.972	100.00%
4.972	5.092	100.00%
5.092	5.225	100.00%
5.225	5.356	100.00%
5.356	6.330	100.00%
6.330	6.606	100.00%
6.606	6.835	100.00%
6.835	7.905	100.00%

PL031125.M Mon Mar 17 09:39:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
 Data File : PL094568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Mar 2025 10:22
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 11 17:37:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:31:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	53468086	65423025	18.889	18.330
28)	SA Decachlor...	9.053	7.905	42521417	78359154	20.177	19.399
Target Compounds							
9)	A Endosulfan I	6.067	5.092	29402034	37055598	9.577	8.443
10)	B gamma-Chl...	5.937	4.971	33232558	42863759	9.863	8.877m
12)	B 4,4'-DDE	6.191	5.225	60170599	86039267	20.452	18.509
13)	MA Dieldrin	6.343	5.356	61616040	87035875	19.266	17.939
19)	B Endosulfa...	7.158	6.330	48427242	76018164	19.912	18.662
20)	A Methoxychlor	7.500	6.606	108.5E6	193.4E6	90.602	91.159
21)	B Endrin ke...	7.643	6.835	53103007	96817803	20.090	20.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 10:22
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

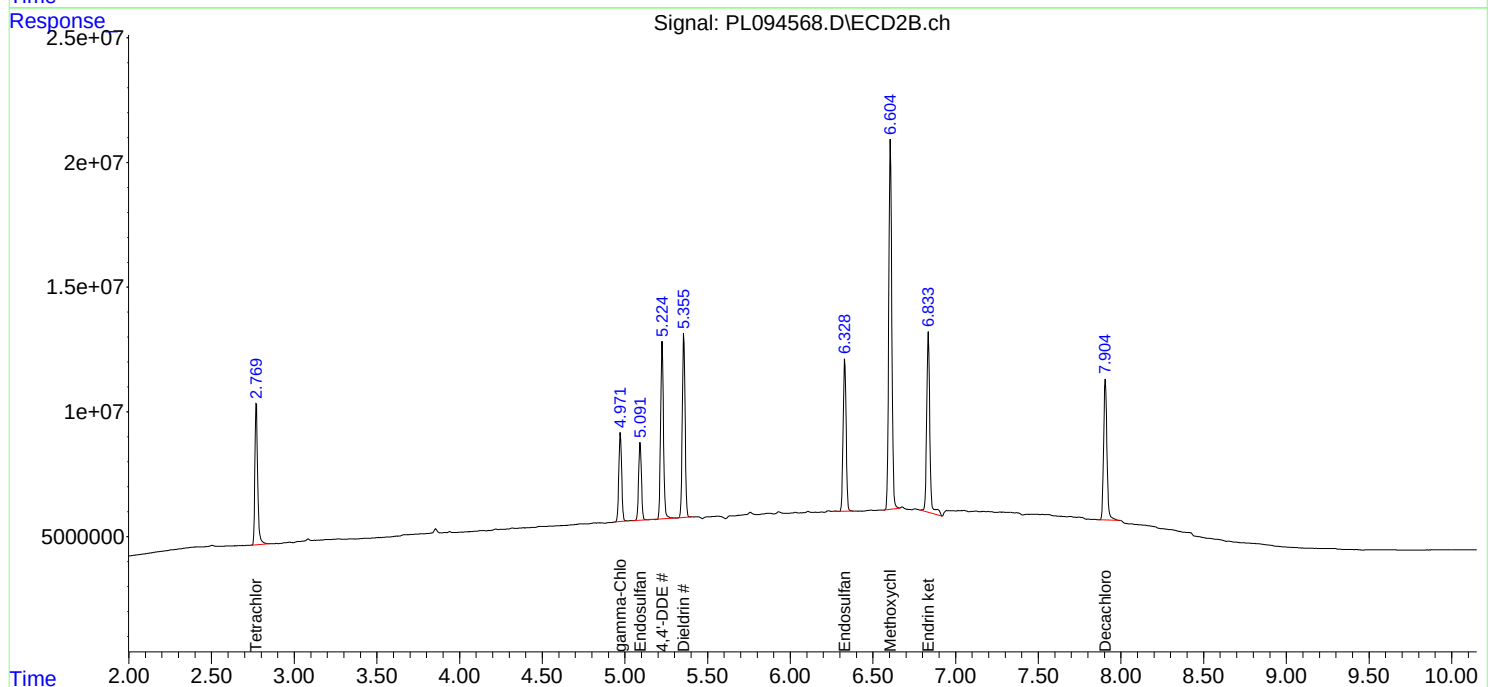
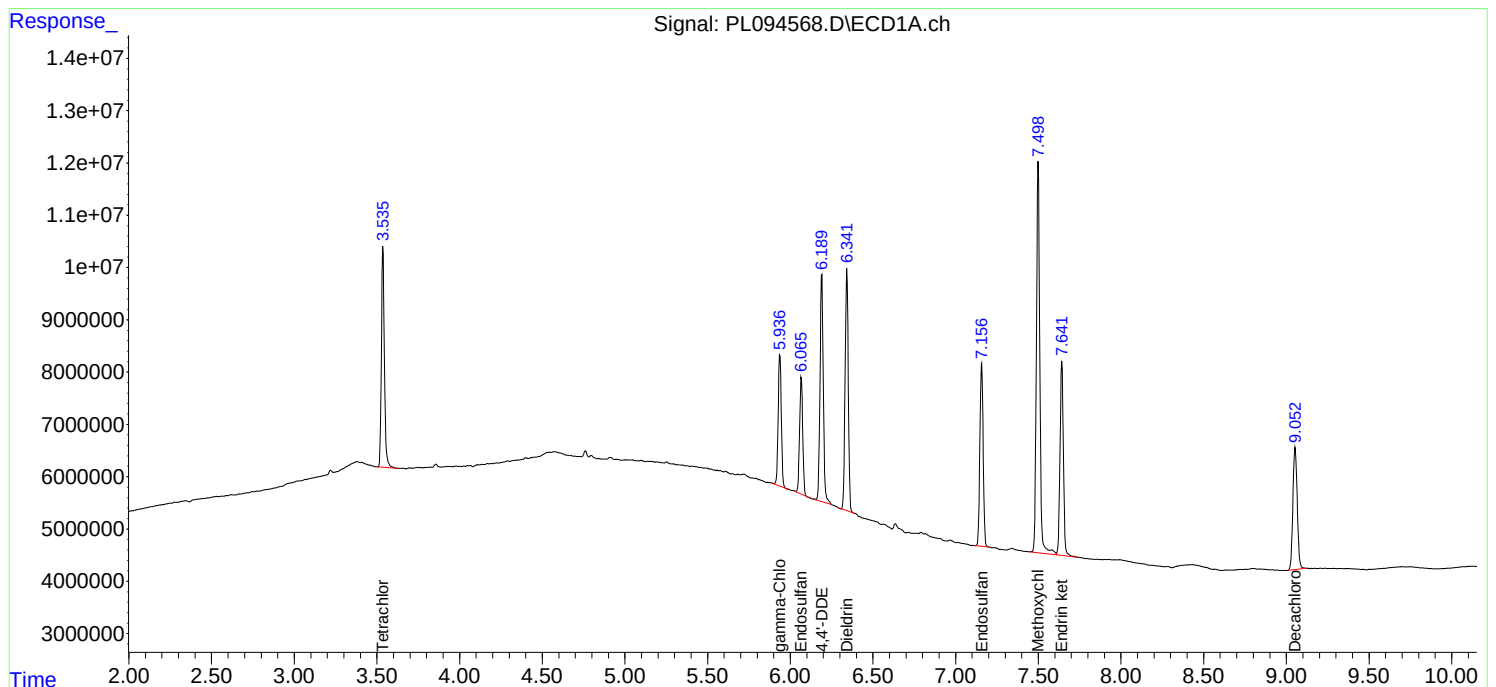
Instrument :
ECD_L
ClientSampleId :
RESCHK

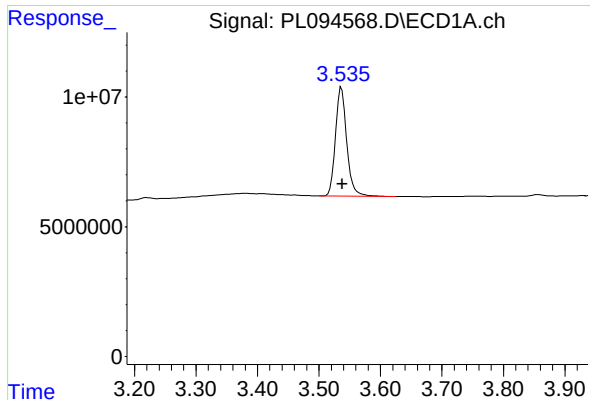
Manual Integrations
APPROVED

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 17:37:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:31:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





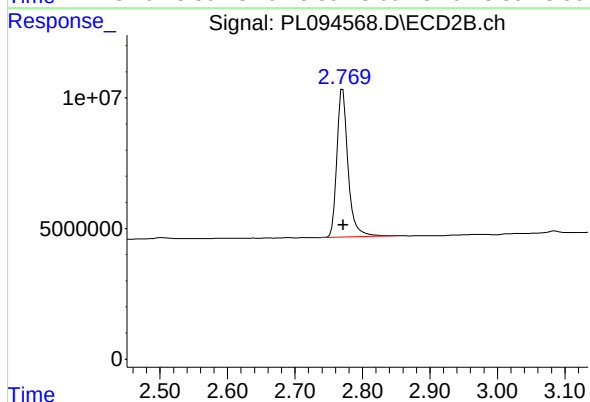
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 53468086
Conc: 18.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

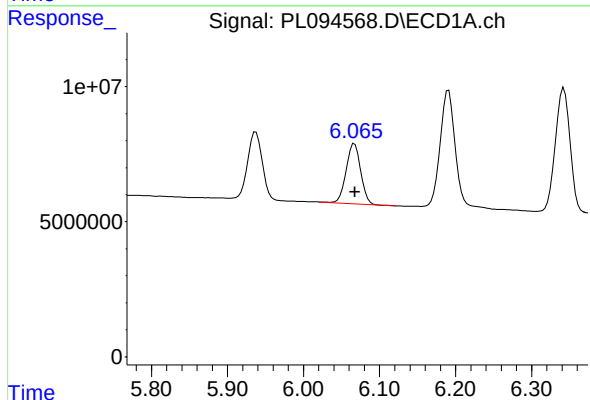
Manual Integrations
APPROVED

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



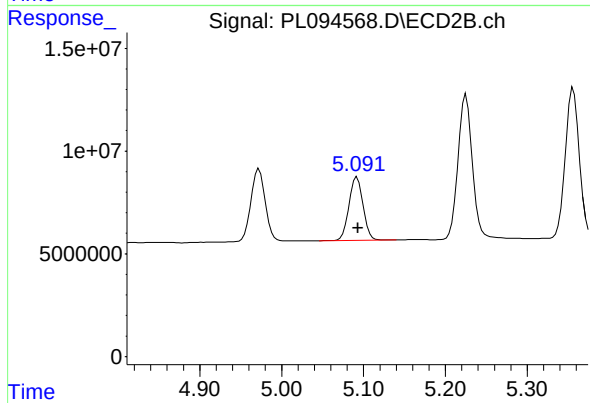
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.001 min
Response: 65423025
Conc: 18.33 ng/ml



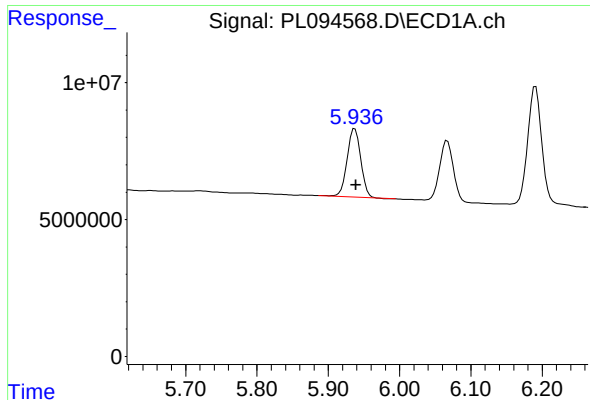
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 29402034
Conc: 9.58 ng/ml



#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.001 min
Response: 37055598
Conc: 8.44 ng/ml



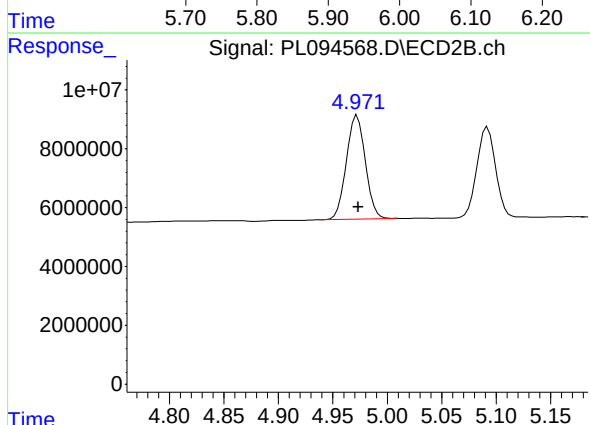
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 33232558
Conc: 9.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

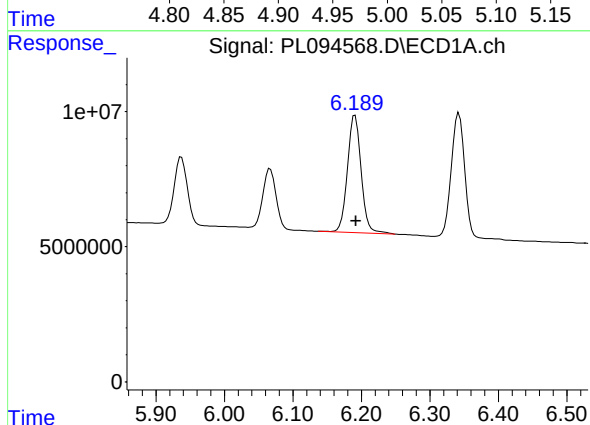
Manual Integrations
APPROVED

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



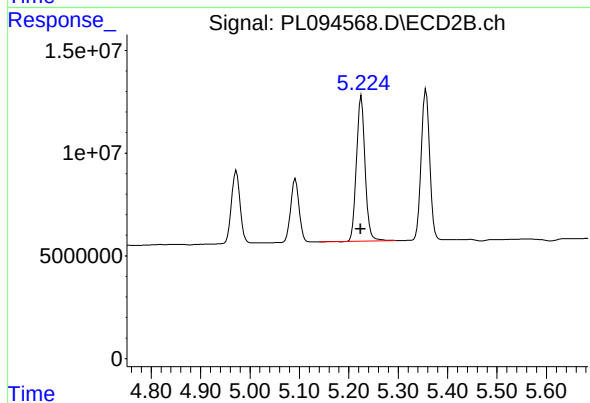
#10 gamma-Chlordane

R.T.: 4.971 min
Delta R.T.: -0.003 min
Response: 42863759
Conc: 8.88 ng/ml



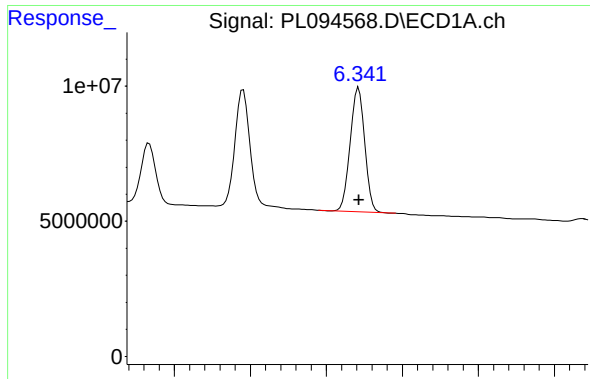
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 60170599
Conc: 20.45 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: 0.000 min
Response: 86039267
Conc: 18.51 ng/ml



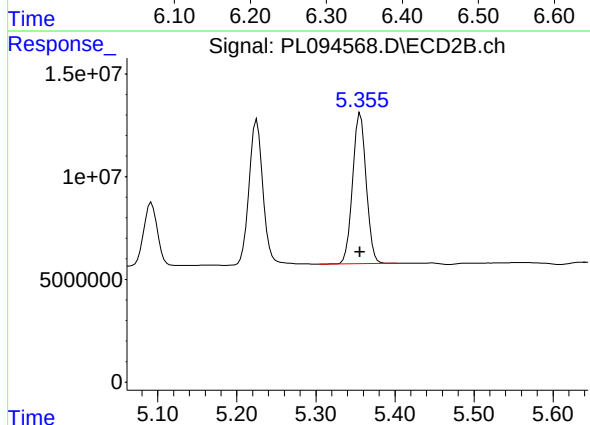
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 61616040
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

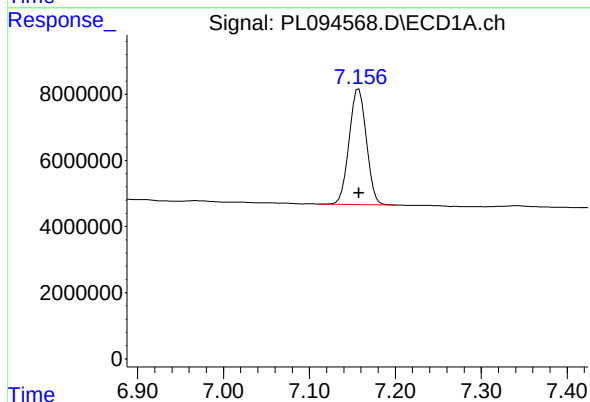
Manual Integrations
APPROVED

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



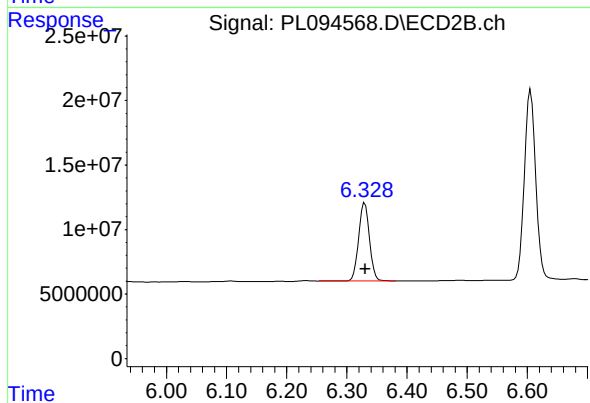
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 87035875
Conc: 17.94 ng/ml



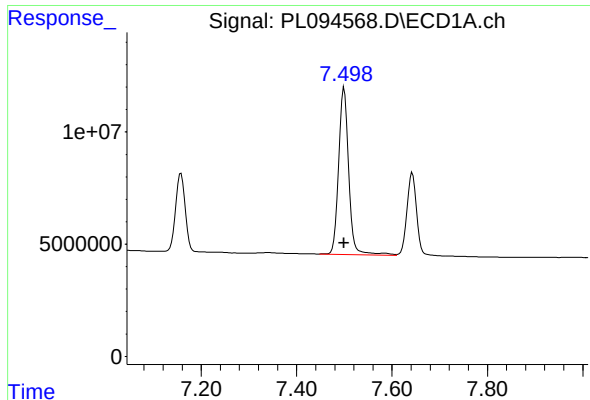
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 48427242
Conc: 19.91 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: 0.000 min
Response: 76018164
Conc: 18.66 ng/ml



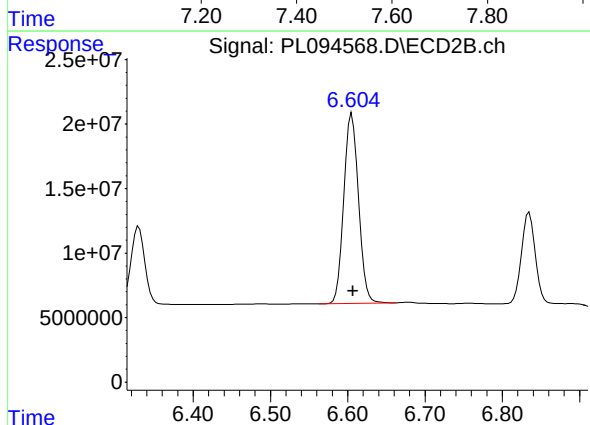
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 108457351
Conc: 90.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

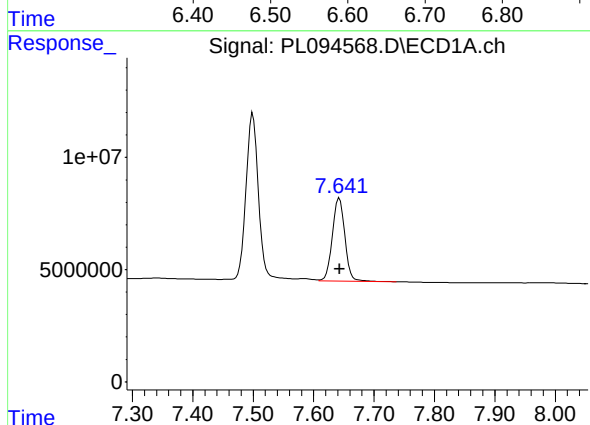
Manual Integrations
APPROVED

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



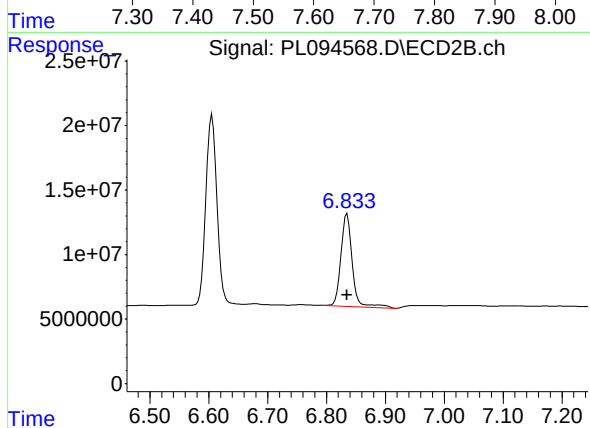
#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 193354717
Conc: 91.16 ng/ml



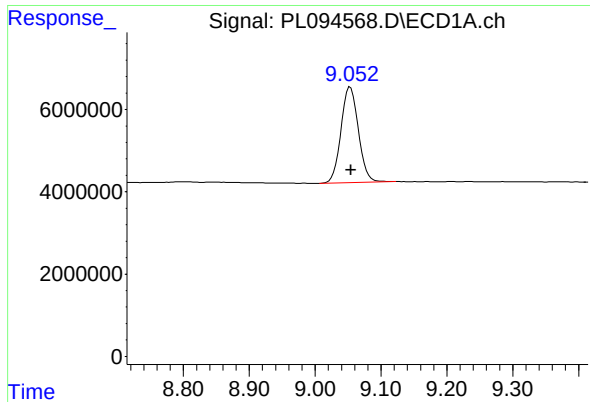
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 53103007
Conc: 20.09 ng/ml



#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 96817803
Conc: 20.29 ng/ml



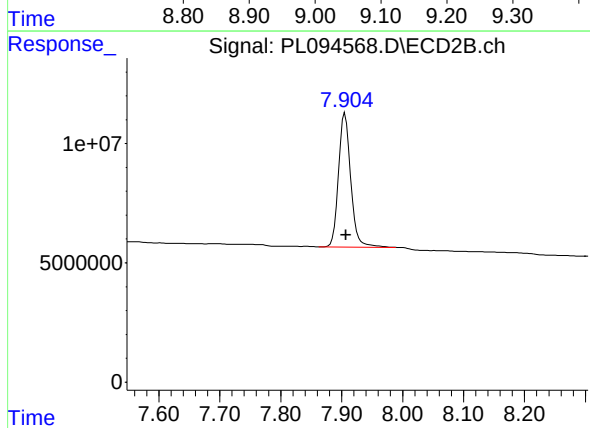
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.001 min
Response: 42521417
Conc: 20.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.002 min
Response: 78359154
Conc: 19.40 ng/ml

Analytical Sequence

Client: 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
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
IBLK	IBLK	03/28/2025	11:49	PL094929.D	9.05	3.54
PEM	PEM	03/28/2025	12:02	PL094930.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/28/2025	13:11	PL094931.D	9.05	3.54
PB167367BL	PB167367BL	03/28/2025	13:24	PL094932.D	9.05	3.54
PB167367BS	PB167367BS	03/28/2025	13:38	PL094933.D	9.05	3.54
P001-BBDGA-001-01	Q1664-01	03/28/2025	13:52	PL094934.D	9.05	3.54
P001-BBDGA-001-01MS	Q1664-02MS	03/28/2025	14:05	PL094935.D	9.05	3.54
P001-BBDGA-001-01MSD	Q1664-03MSD	03/28/2025	14:19	PL094936.D	9.05	3.54
P001-BBDGA-001-02	Q1664-07	03/28/2025	14:33	PL094937.D	9.05	3.54
P001-BBDGA-002-01	Q1664-09	03/28/2025	14:46	PL094938.D	9.05	3.54
P001-BBDGA-003-01	Q1664-11	03/28/2025	15:00	PL094939.D	9.05	3.54
P001-BBDGA-004-01	Q1664-13	03/28/2025	15:14	PL094940.D	9.05	3.54
P001-BBDGA-005-01	Q1664-15	03/28/2025	15:27	PL094941.D	9.05	3.54
P001-BBDGA-006-01	Q1664-17	03/28/2025	15:41	PL094942.D	9.05	3.54
P001-BBDGA-007-01	Q1664-19	03/28/2025	15:54	PL094943.D	9.05	3.54
P001-BBDGA-008-01	Q1664-21	03/28/2025	16:08	PL094944.D	9.05	3.54
IBLK	IBLK	03/28/2025	16:35	PL094946.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/28/2025	16:49	PL094947.D	9.05	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
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
IBLK	IBLK	03/28/2025	11:49	PL094929.D	7.90	2.77
PEM	PEM	03/28/2025	12:02	PL094930.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/28/2025	13:11	PL094931.D	7.90	2.77
PB167367BL	PB167367BL	03/28/2025	13:24	PL094932.D	7.90	2.77
PB167367BS	PB167367BS	03/28/2025	13:38	PL094933.D	7.90	2.77
P001-BBDGA-001-01	Q1664-01	03/28/2025	13:52	PL094934.D	7.90	2.77
P001-BBDGA-001-01MS	Q1664-02MS	03/28/2025	14:05	PL094935.D	7.90	2.77
P001-BBDGA-001-01MSD	Q1664-03MSD	03/28/2025	14:19	PL094936.D	7.90	2.77
P001-BBDGA-001-02	Q1664-07	03/28/2025	14:33	PL094937.D	7.90	2.77
P001-BBDGA-002-01	Q1664-09	03/28/2025	14:46	PL094938.D	7.90	2.77
P001-BBDGA-003-01	Q1664-11	03/28/2025	15:00	PL094939.D	7.90	2.77
P001-BBDGA-004-01	Q1664-13	03/28/2025	15:14	PL094940.D	7.90	2.77
P001-BBDGA-005-01	Q1664-15	03/28/2025	15:27	PL094941.D	7.90	2.77
P001-BBDGA-006-01	Q1664-17	03/28/2025	15:41	PL094942.D	7.90	2.77
P001-BBDGA-007-01	Q1664-19	03/28/2025	15:54	PL094943.D	7.90	2.77
P001-BBDGA-008-01	Q1664-21	03/28/2025	16:08	PL094944.D	7.90	2.77
IBLK	IBLK	03/28/2025	16:35	PL094946.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/28/2025	16:49	PL094947.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: Q1664-02MS

Date(s) Analyzed: 03/28/2025 03/28/2025

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	15.6	0
	2	5.92	5.87	5.97	15.6	
Endrin aldehyde	1	6.92	6.87	6.97	15.4	1.3
	2	6.10	6.05	6.15	15.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	3.8
	2	6.33	6.28	6.38	16.2	
Methoxychlor	1	7.50	7.45	7.55	17.2	0
	2	6.60	6.55	6.65	17.2	
Endrin ketone	1	7.64	7.59	7.69	16.1	0.6
	2	6.83	6.78	6.88	16.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	14.7	8.5
	2	3.60	3.55	3.65	16.0	
Heptachlor	1	4.91	4.86	4.96	14.4	8.6
	2	3.94	3.89	3.99	15.7	
delta-BHC	1	4.77	4.72	4.82	15.1	5.2
	2	4.13	4.08	4.18	15.9	
Heptachlor epoxide	1	5.68	5.63	5.73	14.2	10
	2	4.72	4.67	4.77	15.7	
Endosulfan I	1	6.06	6.01	6.11	15.2	3.9
	2	5.09	5.04	5.14	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	14.7	7.2
	2	4.97	4.92	5.02	15.8	
Dieldrin	1	6.34	6.29	6.39	15.3	4.5
	2	5.35	5.30	5.40	16.0	
Endrin	1	6.57	6.52	6.62	15.2	7.6
	2	5.63	5.58	5.68	16.4	
4,4'-DDD	1	6.71	6.66	6.76	17.4	2.9
	2	5.78	5.73	5.83	16.9	

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: Q1664-02MS

Date(s) Analyzed: 03/28/2025 03/28/2025

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'-DDT	1	7.02	6.97	7.07	16.4	1.2
	2	6.03	5.98	6.08	16.6	
alpha-BHC	1	3.99	3.94	4.04	14.6	13.4
	2	3.27	3.22	3.32	16.7	
Aldrin	1	5.25	5.20	5.30	14.4	8.6
	2	4.22	4.17	4.27	15.7	
beta-BHC	1	4.52	4.47	4.57	14.6	10.4
	2	3.90	3.85	3.95	16.2	
alpha-Chlordane	1	6.01	5.96	6.06	15.0	4.6
	2	5.03	4.98	5.08	15.7	
4,4'-DDE	1	6.19	6.14	6.24	16.5	0.6
	2	5.22	5.17	5.27	16.6	

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: Q1664-03MSD

Date(s) Analyzed: 03/28/2025 03/28/2025

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	15.5	0.6
	2	5.92	5.87	5.97	15.4	
4,4'-DDD	1	6.71	6.66	6.76	17.3	3.5
	2	5.78	5.73	5.83	16.7	
4,4'-DDT	1	7.02	6.97	7.07	16.3	1.2
	2	6.03	5.98	6.08	16.5	
Endrin aldehyde	1	6.92	6.87	6.97	15.5	0.6
	2	6.10	6.05	6.15	15.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.7	1.9
	2	6.33	6.28	6.38	16.0	
alpha-BHC	1	3.99	3.94	4.04	14.5	13.5
	2	3.27	3.22	3.32	16.6	
Aldrin	1	5.25	5.20	5.30	14.2	9.4
	2	4.22	4.17	4.27	15.6	
beta-BHC	1	4.52	4.47	4.57	14.5	10.5
	2	3.90	3.85	3.95	16.1	
delta-BHC	1	4.77	4.72	4.82	15.1	4.5
	2	4.13	4.08	4.18	15.8	
Endosulfan I	1	6.06	6.01	6.11	15.1	5.8
	2	5.09	5.04	5.14	16.0	
alpha-Chlordane	1	6.01	5.96	6.06	14.9	5.9
	2	5.03	4.98	5.08	15.8	
4,4'-DDE	1	6.19	6.14	6.24	16.4	0.6
	2	5.22	5.17	5.27	16.3	
Dieldrin	1	6.34	6.29	6.39	15.3	2.6
	2	5.35	5.30	5.40	15.7	
Endrin	1	6.57	6.52	6.62	15.2	7
	2	5.63	5.58	5.68	16.3	

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: Q1664-03MSD

Date(s) Analyzed: 03/28/2025 03/28/2025

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	16.9	0.6
	2	6.60	6.55	6.65	17.0	
Endrin ketone	1	7.64	7.59	7.69	15.9	1.3
	2	6.83	6.78	6.88	15.7	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	14.6	9.2
	2	3.60	3.55	3.65	16.0	
Heptachlor	1	4.91	4.86	4.96	14.3	8.7
	2	3.94	3.89	3.99	15.6	
Heptachlor epoxide	1	5.68	5.63	5.73	14.3	8.7
	2	4.72	4.67	4.77	15.6	
gamma-Chlordane	1	5.94	5.89	5.99	14.6	7.3
	2	4.97	4.92	5.02	15.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167367BS

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: PB167367BS

Date(s) Analyzed: 03/28/2025

03/28/2025

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	19.7	2
	2	5.78	5.73	5.83	20.1	
4,4'-DDE	1	6.19	6.14	6.24	19.0	0.5
	2	5.22	5.17	5.27	19.1	
4,4'-DDT	1	7.02	6.97	7.07	18.9	3.6
	2	6.03	5.98	6.08	19.6	
alpha-BHC	1	3.99	3.94	4.04	16.5	16.2
	2	3.27	3.22	3.32	19.4	
Aldrin	1	5.25	5.20	5.30	16.3	11.6
	2	4.22	4.17	4.27	18.3	
alpha-Chlordane	1	6.01	5.96	6.06	17.1	6.2
	2	5.03	4.98	5.08	18.2	
Endosulfan II	1	6.79	6.74	6.84	18.0	2.2
	2	5.92	5.87	5.97	18.4	
Endosulfan sulfate	1	7.15	7.10	7.20	17.4	7.2
	2	6.33	6.28	6.38	18.7	
beta-BHC	1	4.52	4.47	4.57	16.5	12
	2	3.90	3.85	3.95	18.6	
delta-BHC	1	4.77	4.72	4.82	15.0	5.2
	2	4.13	4.08	4.18	15.8	
Endosulfan I	1	6.07	6.02	6.12	17.2	4
	2	5.09	5.04	5.14	17.9	
Dieldrin	1	6.34	6.29	6.39	17.5	4.5
	2	5.35	5.30	5.40	18.3	
Endrin aldehyde	1	6.92	6.87	6.97	17.6	5
	2	6.10	6.05	6.15	18.5	
Methoxychlor	1	7.50	7.45	7.55	19.3	2.6
	2	6.60	6.55	6.65	19.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167367BS

Contract: ROYF02

Lab Code: CHEM

Case No.: Q1664

SAS No.: Q1664

SDG NO.: Q1664

Lab Sample ID: PB167367BS

Date(s) Analyzed: 03/28/2025

03/28/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.64	7.59	7.69	18.0	5.4
	2	6.83	6.78	6.88	19.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	16.6	10.8
	2	3.60	3.55	3.65	18.5	
Heptachlor	1	4.91	4.86	4.96	16.3	10.5
	2	3.94	3.89	3.99	18.1	
Heptachlor epoxide	1	5.68	5.63	5.73	17.2	6.2
	2	4.72	4.67	4.77	18.3	
gamma-Chlordane	1	5.94	5.89	5.99	16.8	8.5
	2	4.97	4.92	5.02	18.3	
Endrin	1	6.57	6.52	6.62	17.2	9.4
	2	5.63	5.58	5.68	18.9	



QC SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167367BL	SDG No.:	Q1664
Lab Sample ID:	PB167367BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094932.D	1	03/28/25 08:53	03/28/25 13:24	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		20 - 144	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		19 - 148	94%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167367BL		SDG No.:	Q1664	
Lab Sample ID:	PB167367BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094932.D	1	03/28/25 08:53	03/28/25 13:24	PB167367

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\PL032825\
 Data File : PL094932.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 13:24
 Operator : AR\AJ
 Sample : PB167367BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167367BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:14:53 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	51276224	67327730	18.115	18.863
28)	SA Decachlor...	9.049	7.900	41078781	76112892	19.492	18.843

Target Compounds

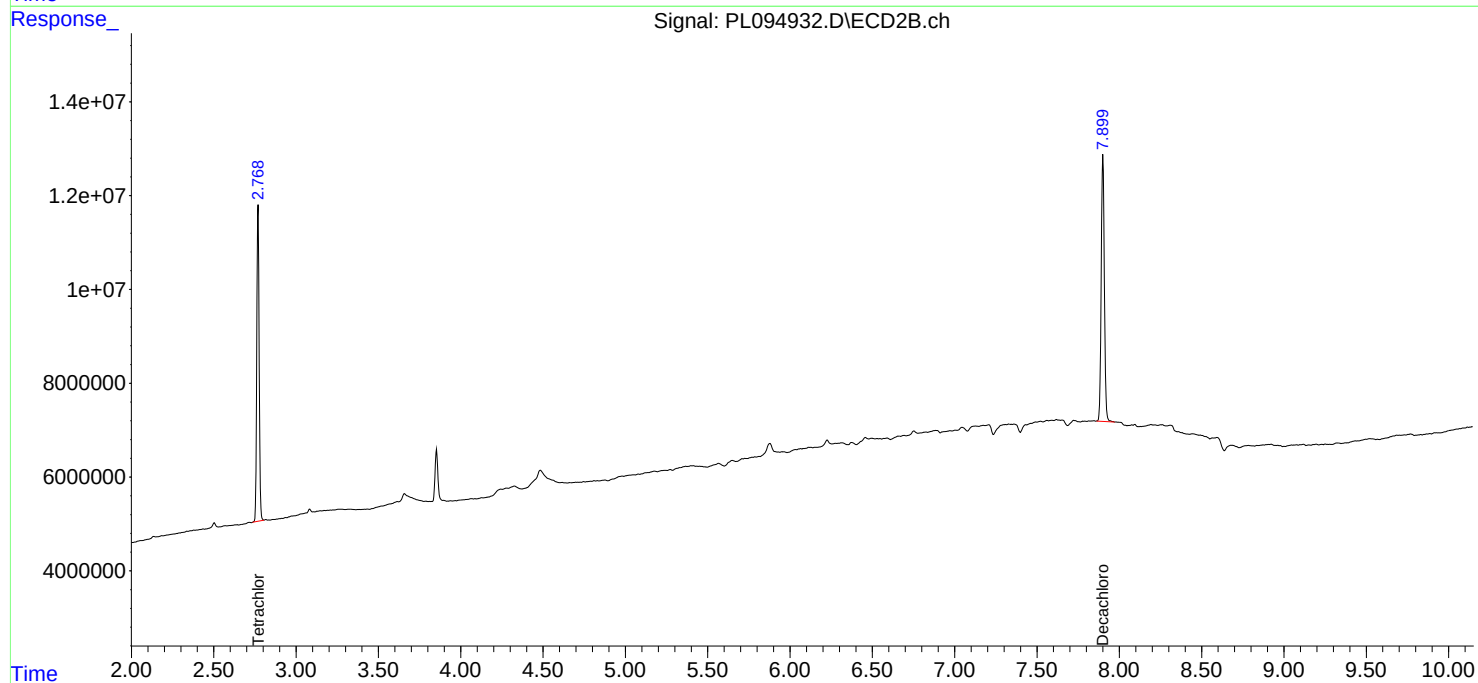
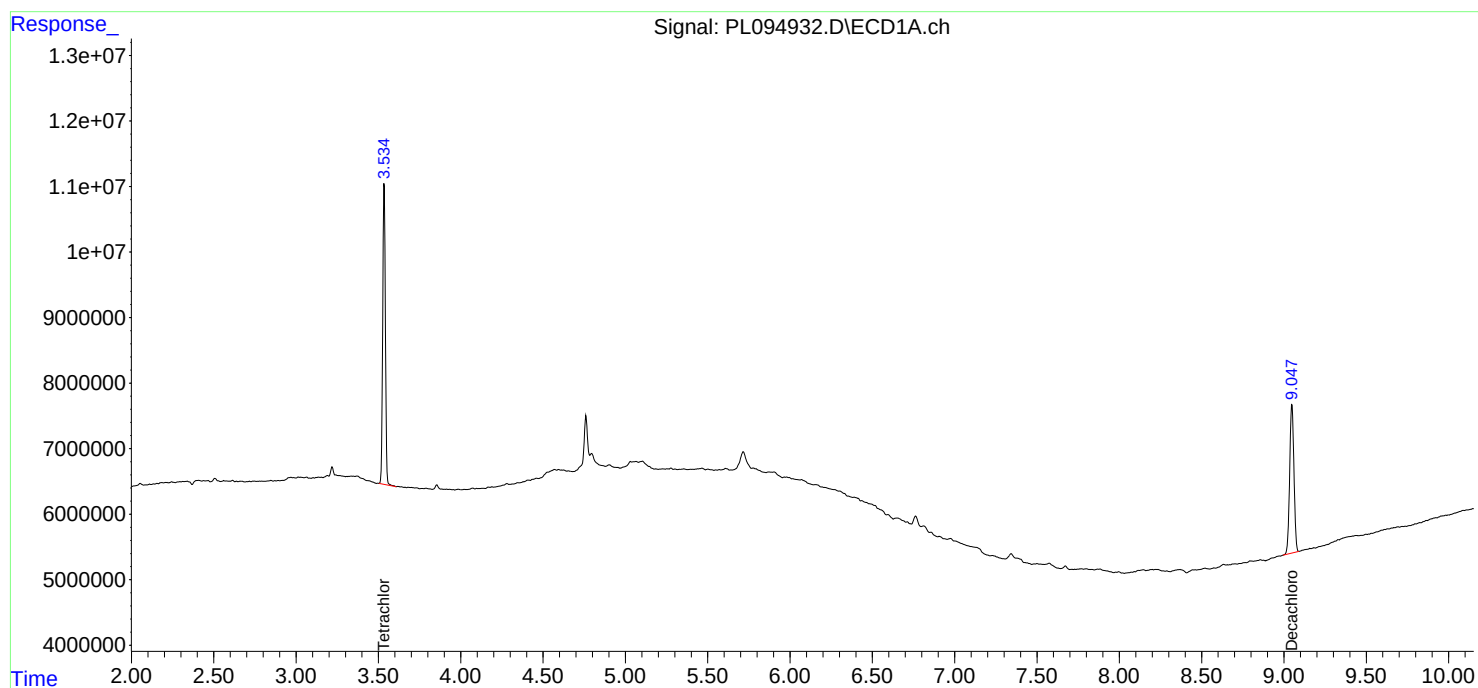
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

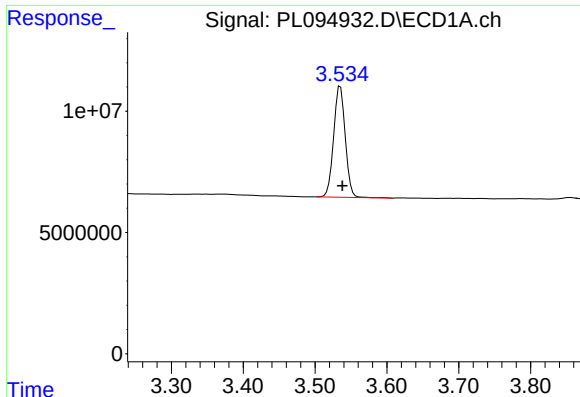
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 13:24
Operator : AR\AJ
Sample : PB167367BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167367BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:14:53 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

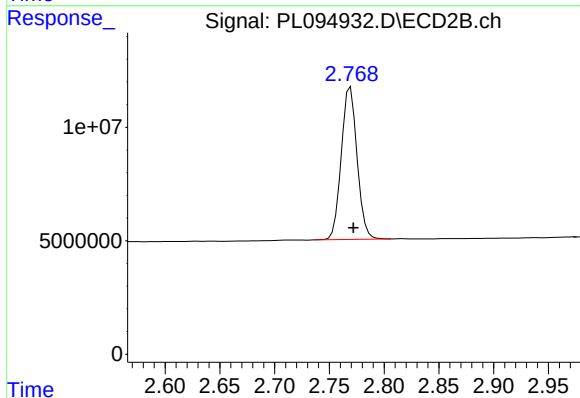




#1 Tetrachloro-m-xylene

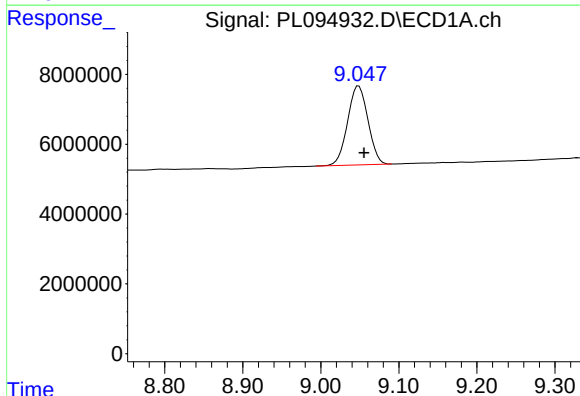
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 51276224
Conc: 18.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BL



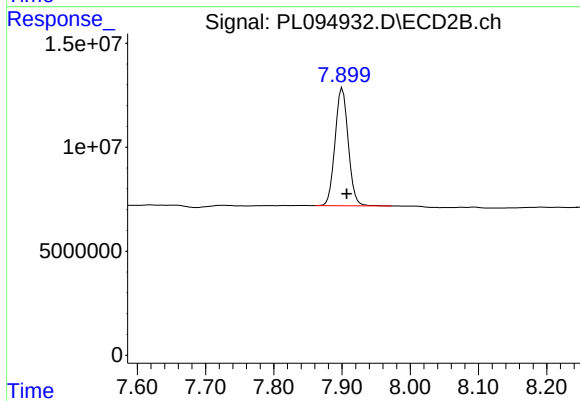
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 67327730
Conc: 18.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 41078781
Conc: 19.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.006 min
Response: 76112892
Conc: 18.84 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	Decanted:
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	Pesticide-TCL	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0		PH :			
Prep Method :	3510C					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
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:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
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

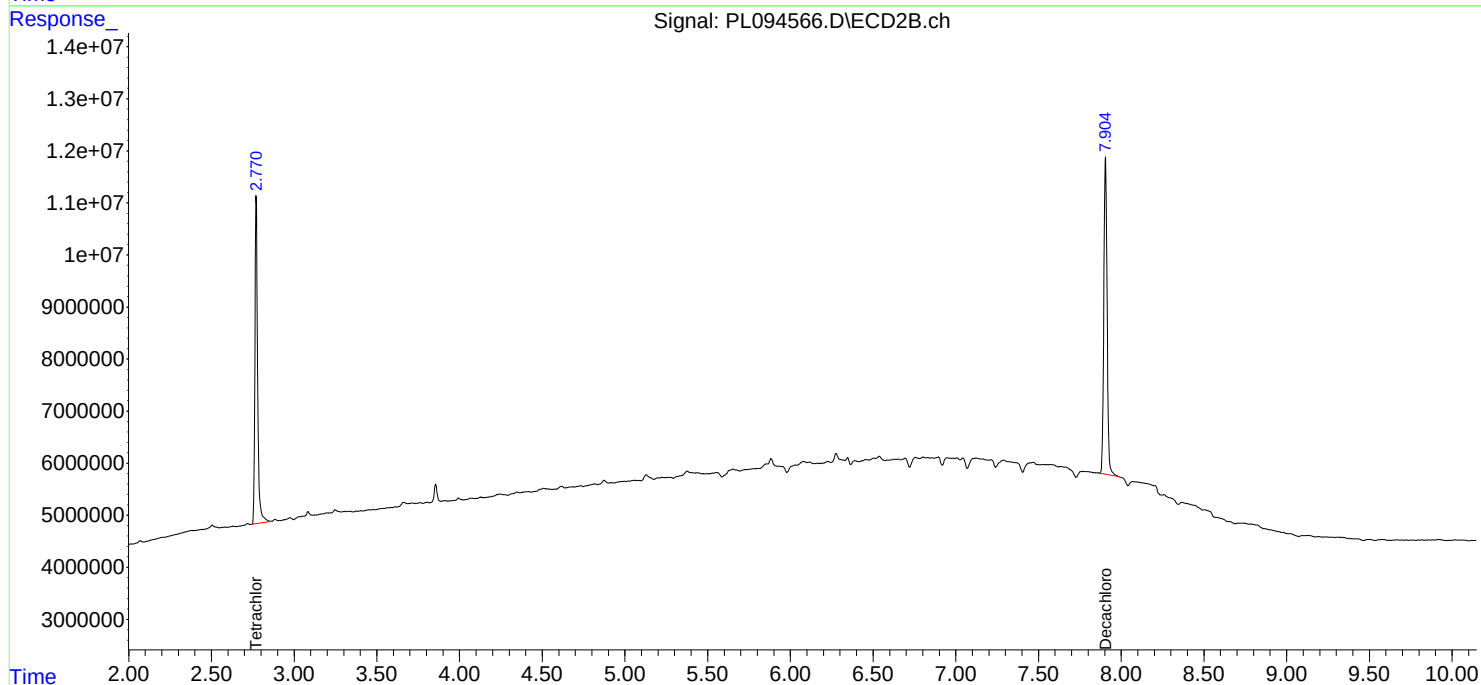
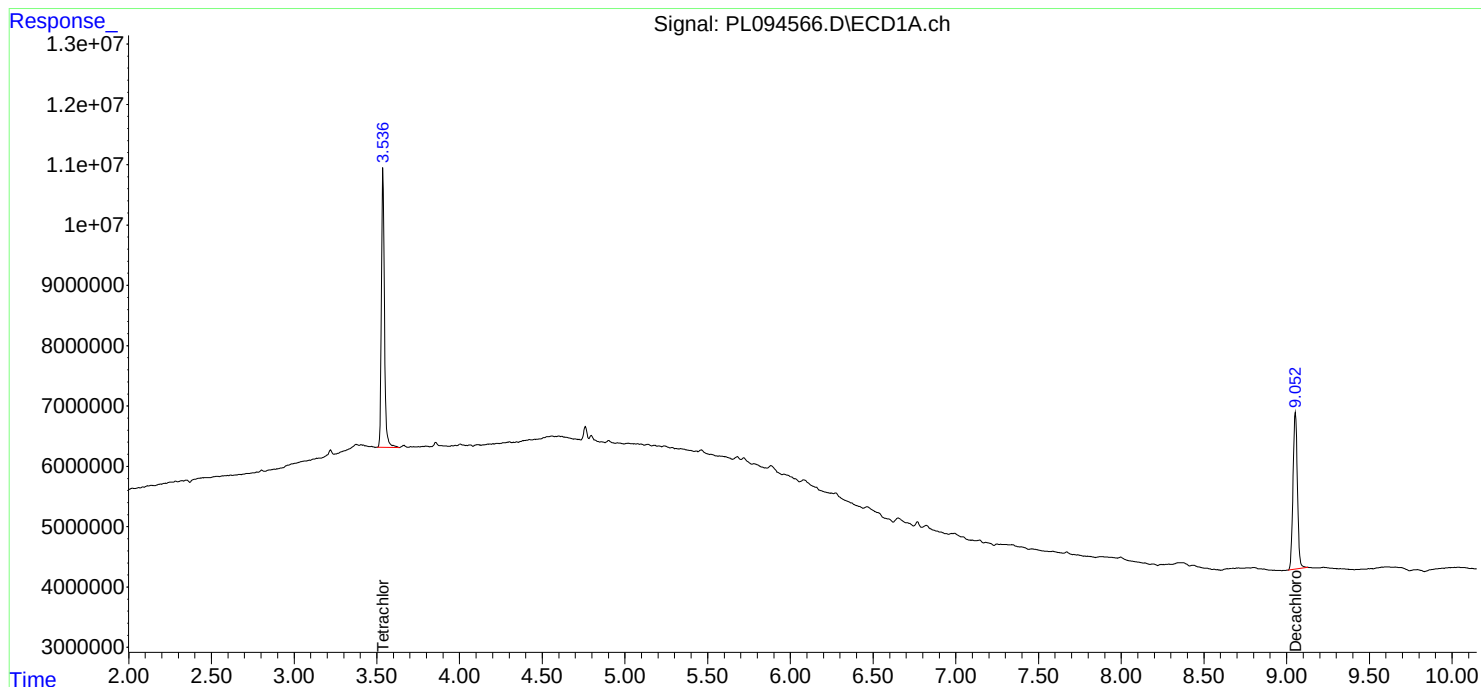
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

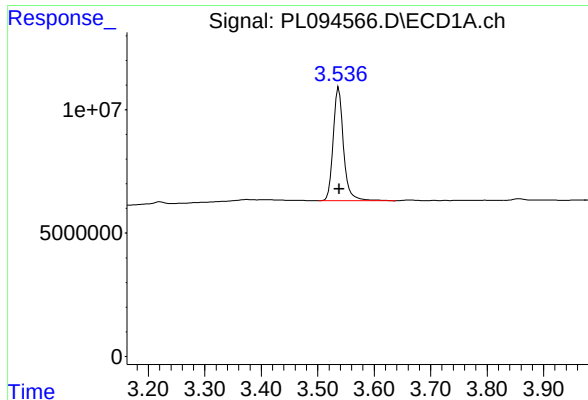
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031125\
Data File : PL094566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 09:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

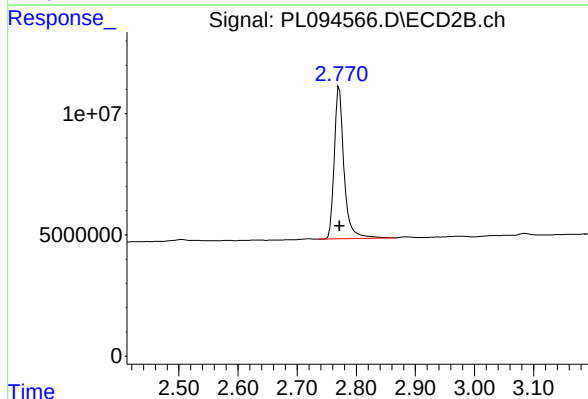




#1 Tetrachloro-m-xylene

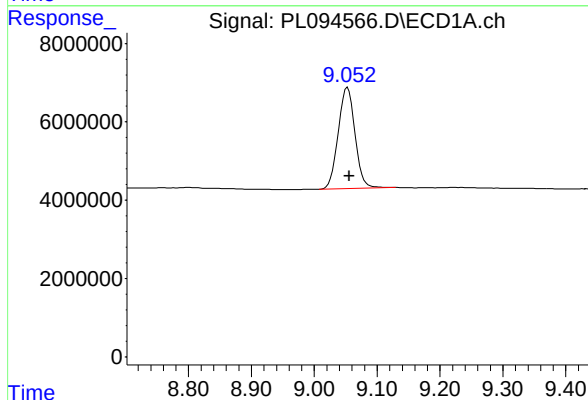
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58403854
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



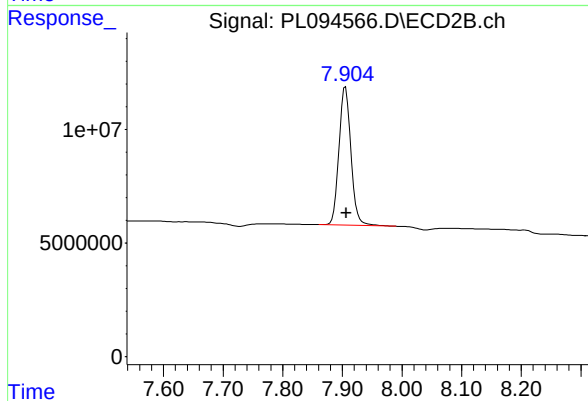
#1 Tetrachloro-m-xylene

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:	03/28/25	
Project:	RFP 905		Date Received:	03/28/25	
Client Sample ID:	PIBLK-PL094929.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094929.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094929.D	1		03/28/25	pl032825

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	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		77 - 126	92%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/28/25	
Project:	RFP 905		Date Received:	03/28/25	
Client Sample ID:	PIBLK-PL094929.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094929.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094929.D	1		03/28/25	p1032825

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\PL032825\
Data File : PL094929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 11:49
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 28 23:14:05 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	49198666	65877147	17.381	18.457
28)	SA Decachlor...	9.052	7.902	39404188	70892671	18.698	17.550

Target Compounds

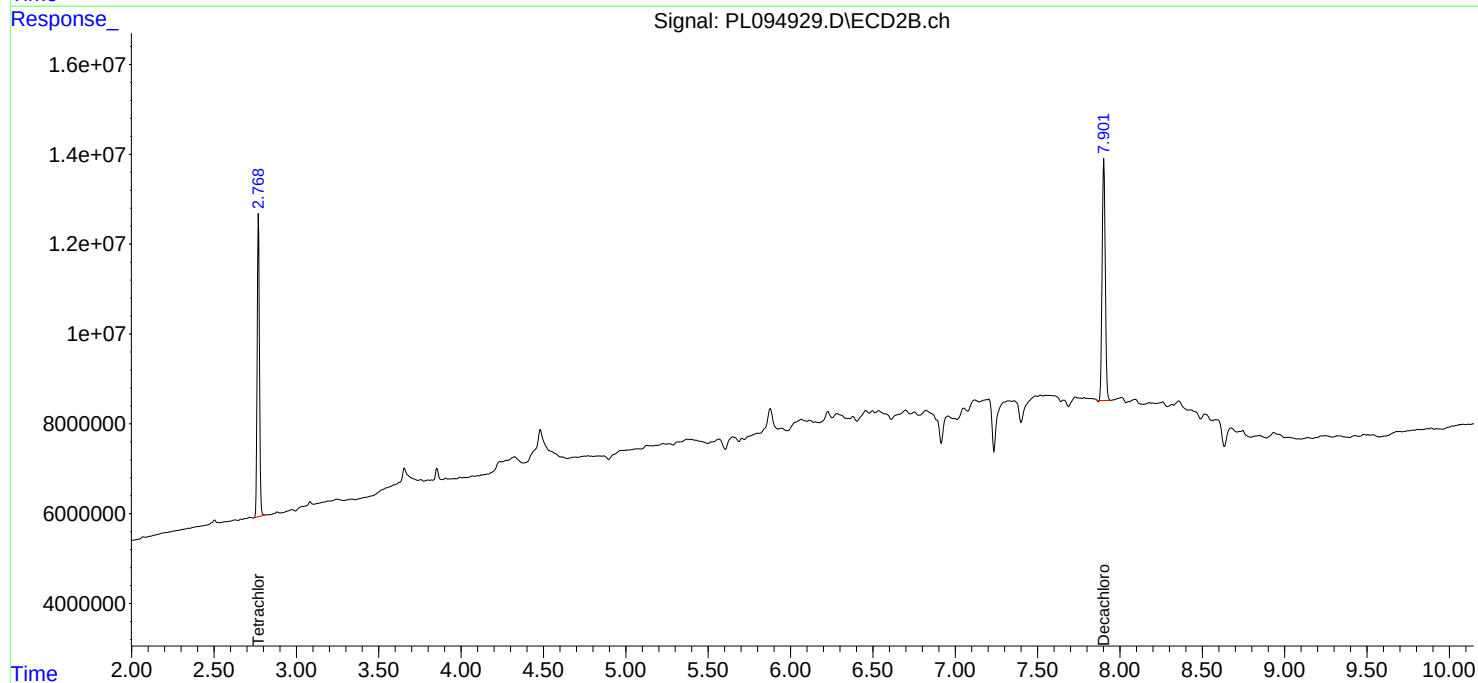
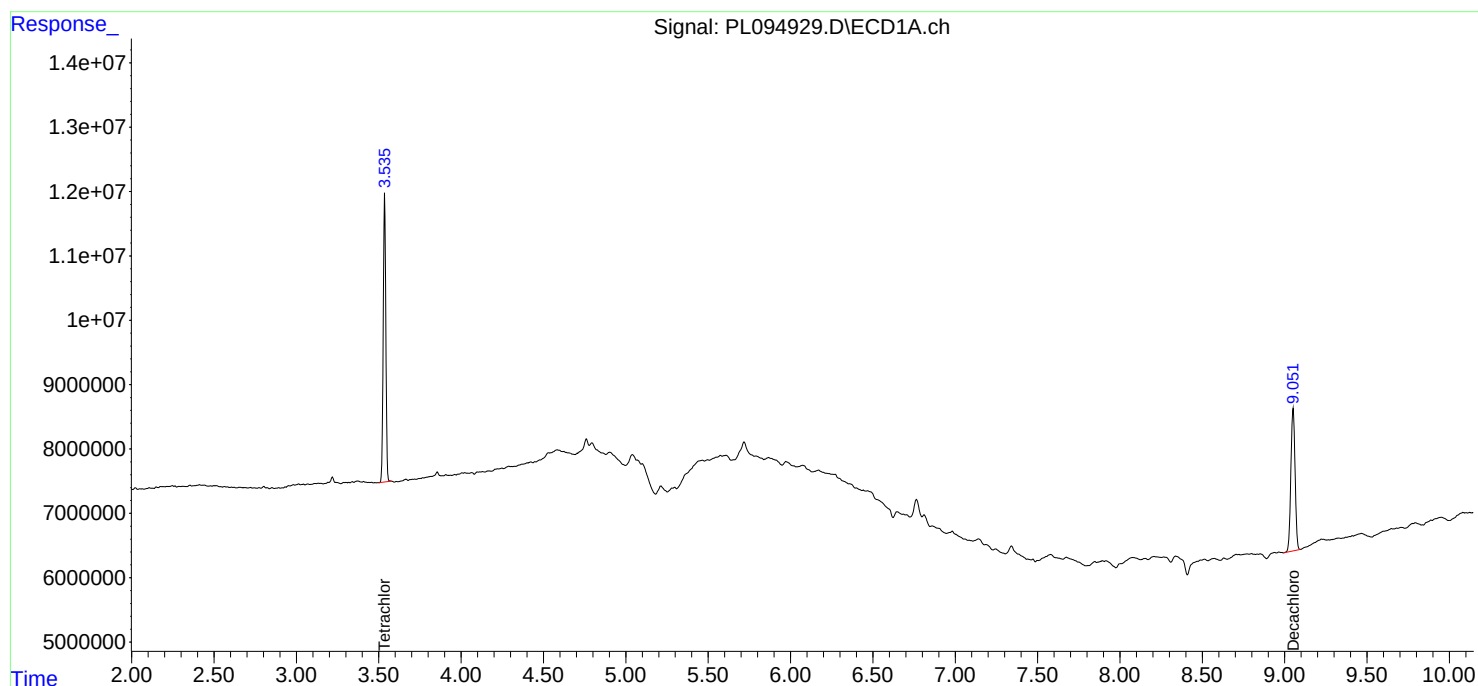
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

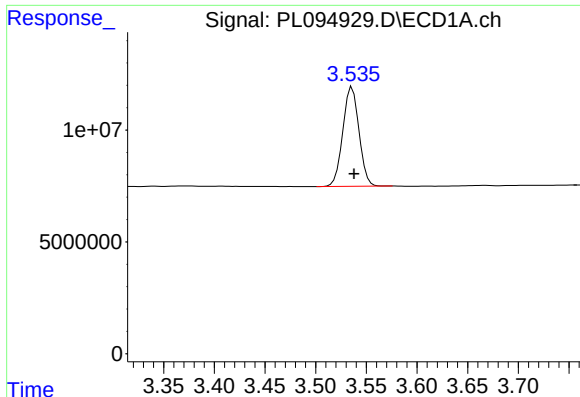
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 11:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:14:05 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

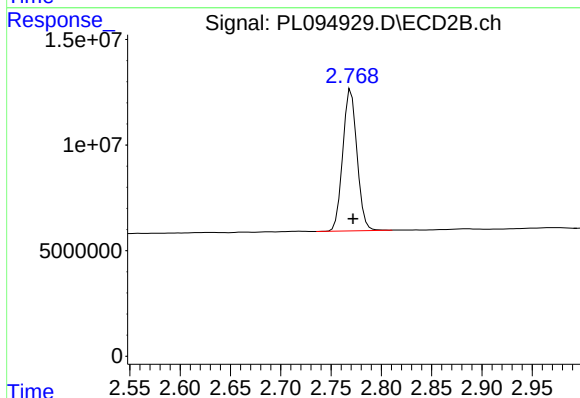




#1 Tetrachloro-m-xylene

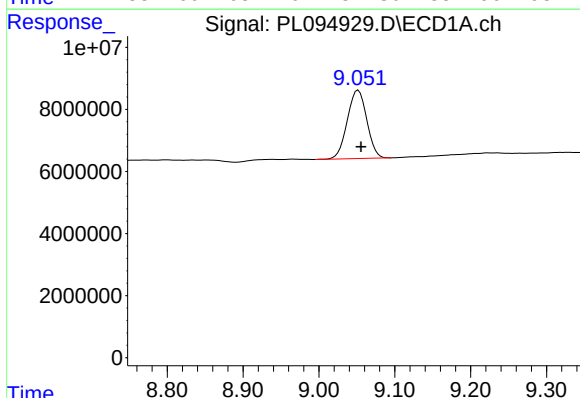
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 49198666
Conc: 17.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



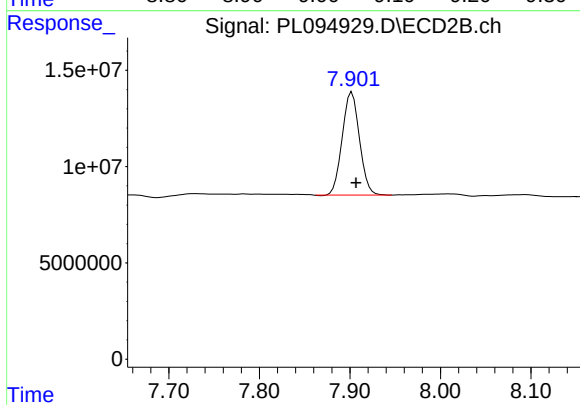
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 65877147
Conc: 18.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.004 min
Response: 39404188
Conc: 18.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 70892671
Conc: 17.55 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/28/25
Project:	RFP 905	Date Received:	03/28/25
Client Sample ID:	PIBLK-PL094946.D	SDG No.:	Q1664
Lab Sample ID:	I.BLK-PL094946.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094946.D	1		03/28/25	pl032825

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	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		77 - 126	100%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/28/25	
Project:	RFP 905		Date Received:	03/28/25	
Client Sample ID:	PIBLK-PL094946.D		SDG No.:	Q1664	
Lab Sample ID:	I.BLK-PL094946.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094946.D	1		03/28/25	p1032825

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\PL032825\
Data File : PL094946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:11:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.769	53801321	71026060	19.007	19.899
28)	SA Decachlor...	9.049	7.901	45425864	85276541	21.555	21.111

Target Compounds

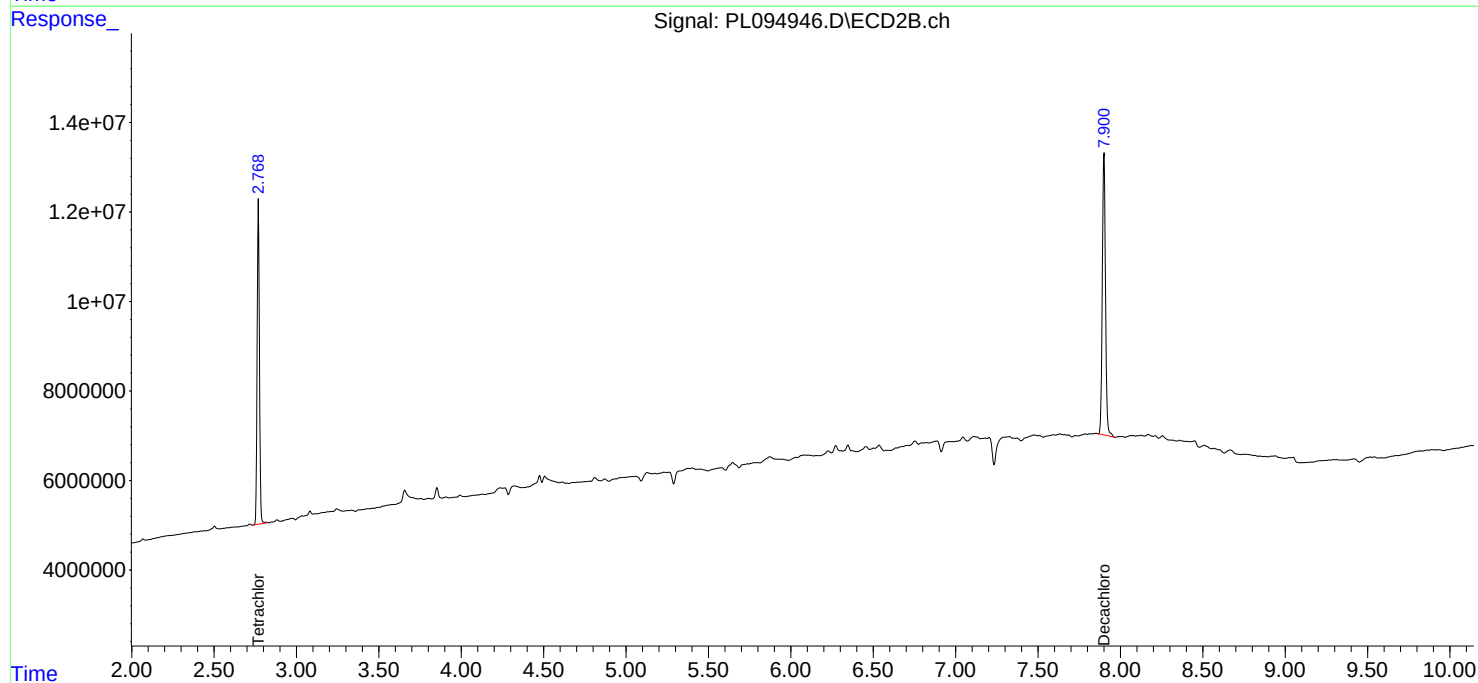
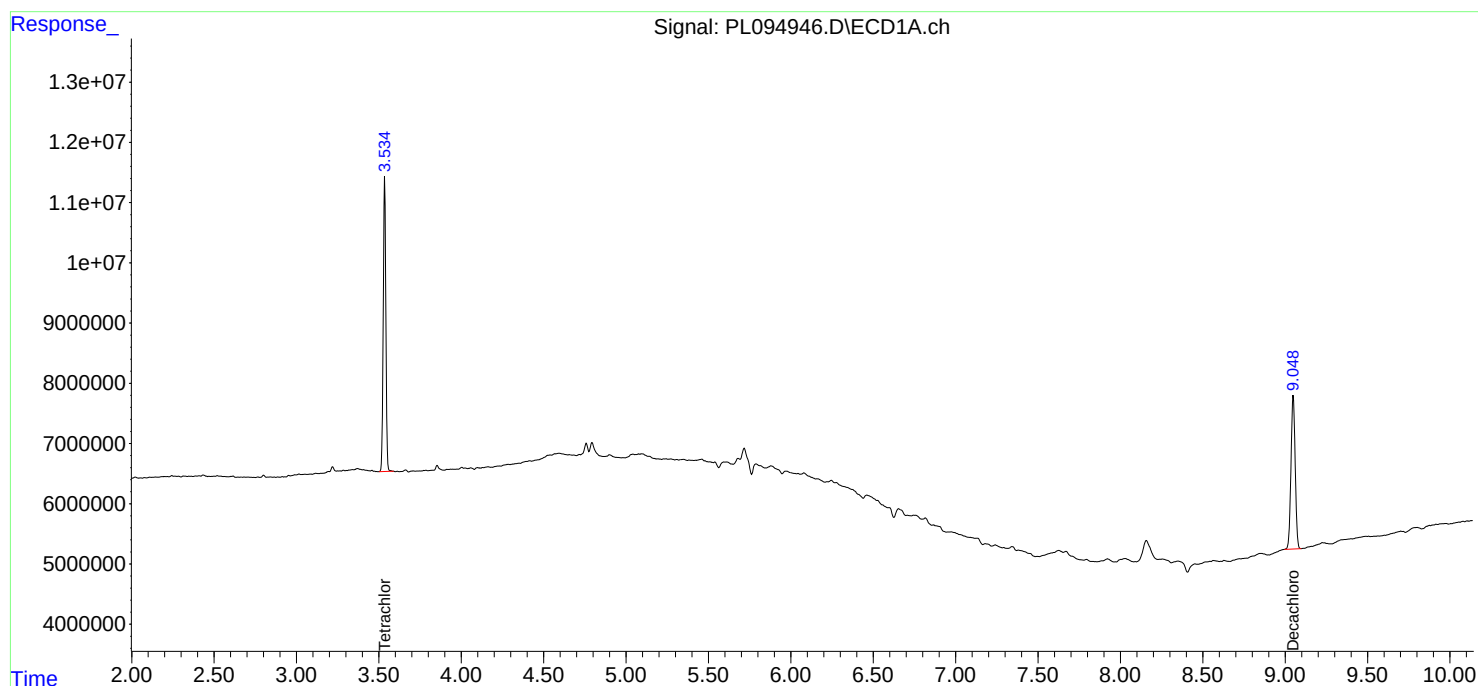
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

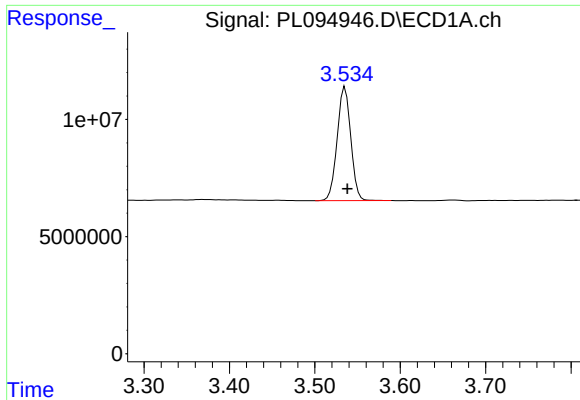
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 16:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:11:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

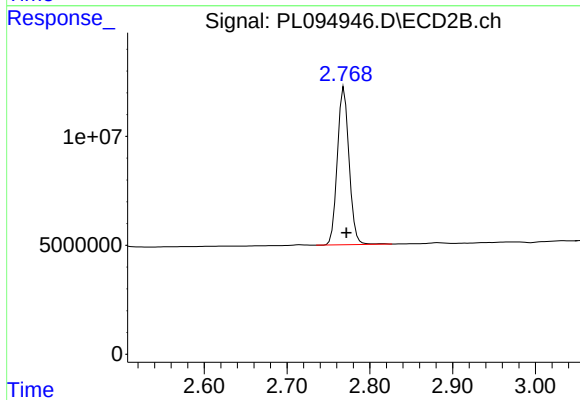




#1 Tetrachloro-m-xylene

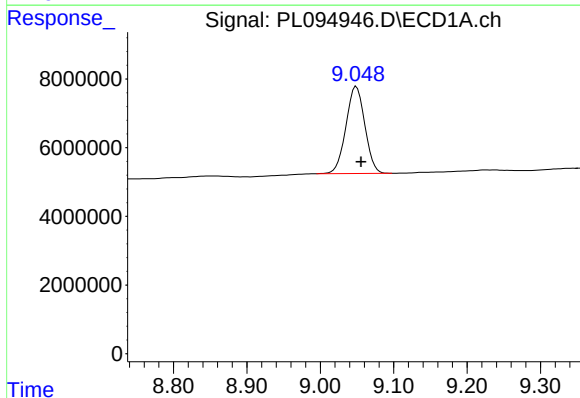
R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 53801321
Conc: 19.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



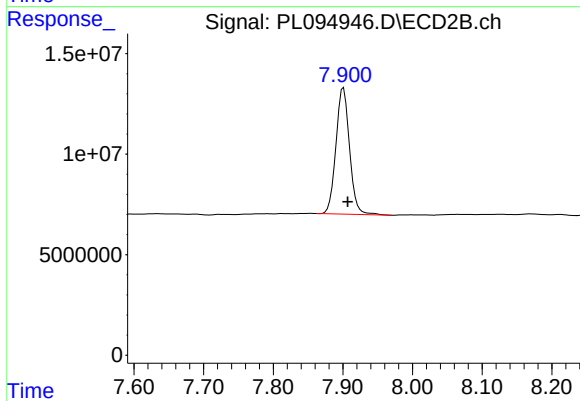
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 71026060
Conc: 19.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 45425864
Conc: 21.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 85276541
Conc: 21.11 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905	Date Received:	
Client Sample ID:	PB167367BS	SDG No.:	Q1664
Lab Sample ID:	PB167367BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094933.D	1	03/28/25 08:53	03/28/25 13:38	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	19.4		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.6		0.18	1.70	ug/kg
319-86-8	delta-BHC	15.8		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.5		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.1		0.12	1.70	ug/kg
309-00-2	Aldrin	18.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.3		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.9		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	19.1		0.14	1.70	ug/kg
72-20-8	Endrin	18.9		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	19.8		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.0		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.2		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.3		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		20 - 144	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		19 - 148	107%	SPK: 20

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167367BS		SDG No.:	Q1664	
Lab Sample ID:	PB167367BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094933.D	1	03/28/25 08:53	03/28/25 13:38	PB167367

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\PL032825\
 Data File : PL094933.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 13:38
 Operator : AR\AJ
 Sample : PB167367BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167367BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:15:03 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	59392516	76265165	20.982	21.367
28)	SA Decachlor...	9.049	7.900	47074108	89360504	22.337	22.122
Target Compounds							
2)	A alpha-BHC	3.991	3.271	205.9E6	314.6E6	49.579	58.355
3)	MA gamma-BHC...	4.324	3.600	198.6E6	285.8E6	49.767	55.617
4)	MA Heptachlor	4.912	3.938	189.9E6	286.4E6	48.930	54.351
5)	MB Aldrin	5.252	4.217	180.9E6	268.7E6	48.990	55.100
6)	B beta-BHC	4.523	3.901	91241704	123.8E6	49.448	55.749
7)	B delta-BHC	4.770	4.129	175.8E6	237.7E6	45.154	47.520
8)	B Heptachlo...	5.678	4.719	172.7E6	251.7E6	51.618m	54.983
9)	A Endosulfan I	6.065	5.089	159.0E6	235.6E6	51.793	53.691
10)	B gamma-Chl...	5.936	4.969	170.0E6	265.0E6	50.446	54.878
11)	B alpha-Chl...	6.014	5.032	169.2E6	260.3E6	51.322	54.531
12)	B 4,4'-DDE	6.188	5.220	167.9E6	266.7E6	57.053	57.369m
13)	MA Dieldrin	6.340	5.351	168.3E6	267.1E6	52.614	55.052m
14)	MA Endrin	6.568	5.628	143.4E6	247.3E6	51.734m	56.667
15)	B Endosulfa...	6.790	5.923	146.7E6	239.0E6	54.021	55.215
16)	A 4,4'-DDD	6.706	5.776	128.2E6	217.1E6	59.190	60.385
17)	MA 4,4'-DDT	7.020	6.026	135.2E6	237.4E6	56.858	58.881
18)	B Endrin al...	6.920	6.102	111.5E6	187.1E6	52.825	55.600
19)	B Endosulfa...	7.154	6.325	127.4E6	228.3E6	52.391	56.052
20)	A Methoxychlor	7.496	6.600	69259748	126.1E6	57.858	59.431m
21)	B Endrin ke...	7.640	6.829	143.0E6	272.6E6	54.097	57.119m
22)	Mirex	8.112	7.008	104.8E6	204.0E6	50.708	53.754m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 13:38
Operator : AR\AJ
Sample : PB167367BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167367BS

Manual Integrations

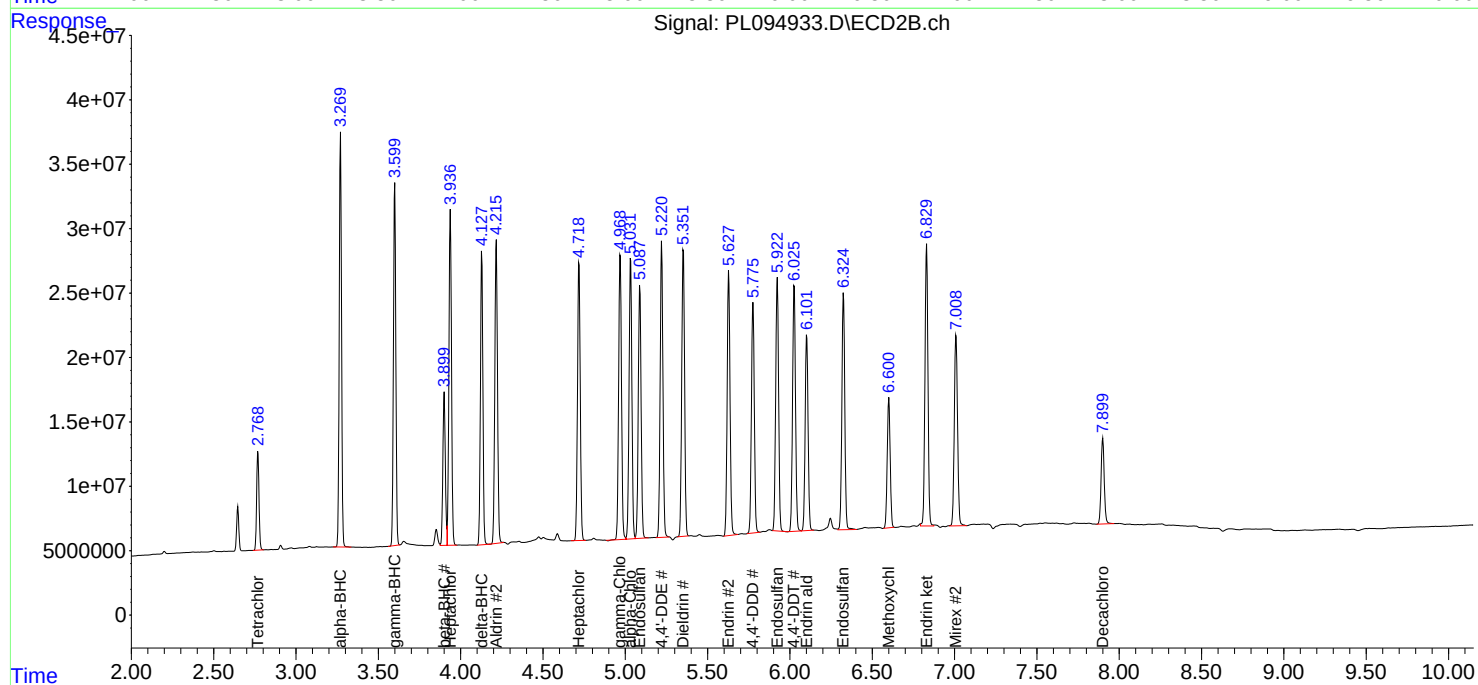
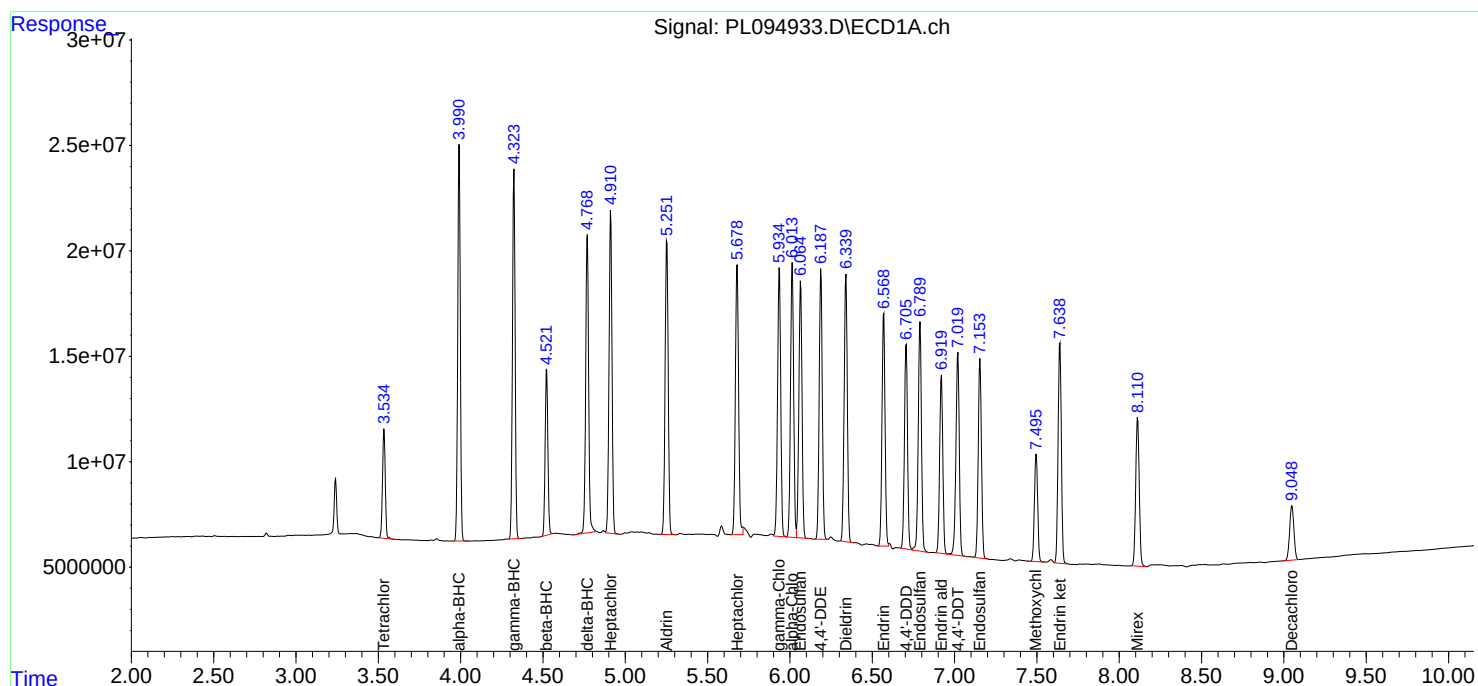
APPROVED

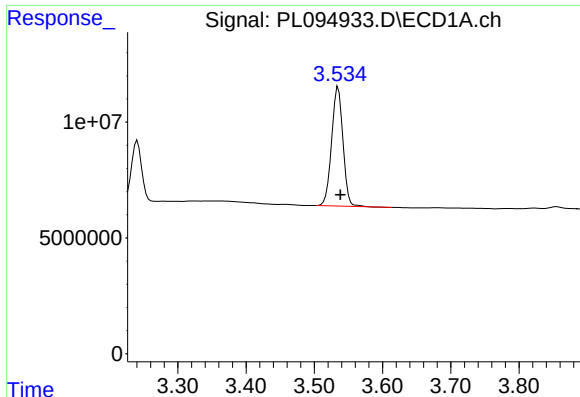
Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:03 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





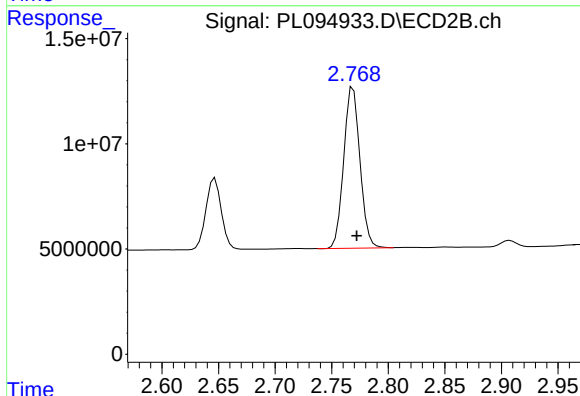
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 59392516
Conc: 20.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

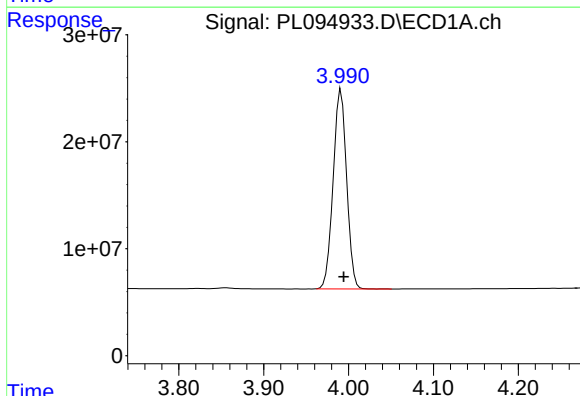
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



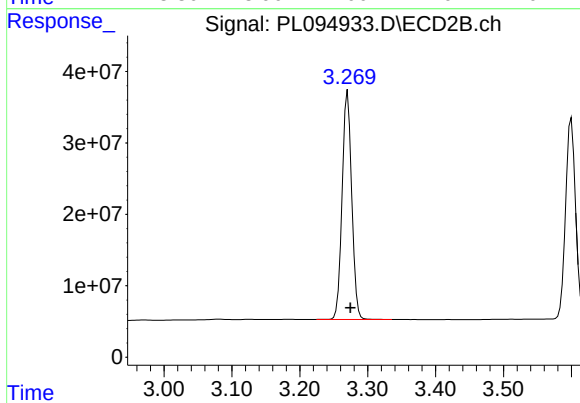
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 76265165
Conc: 21.37 ng/ml



#2 alpha-BHC

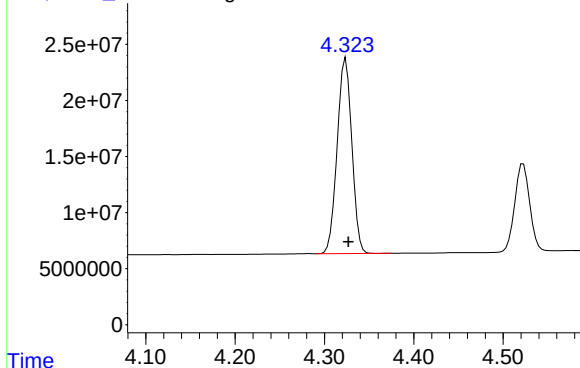
R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 205870763
Conc: 49.58 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 314613367
Conc: 58.35 ng/ml

Response_ Signal: PL094933.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 198582824
Conc: 49.77 ng/ml

Instrument :

ECD_L

ClientSampleId :

PB167367BS

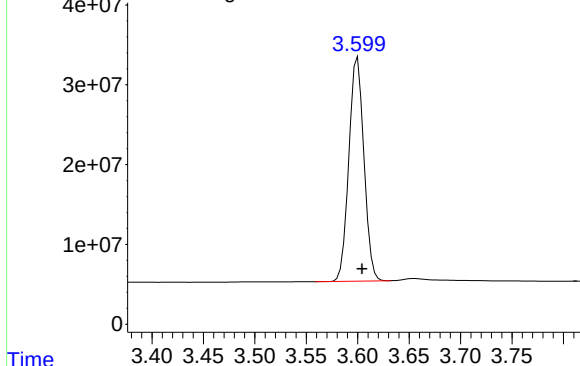
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

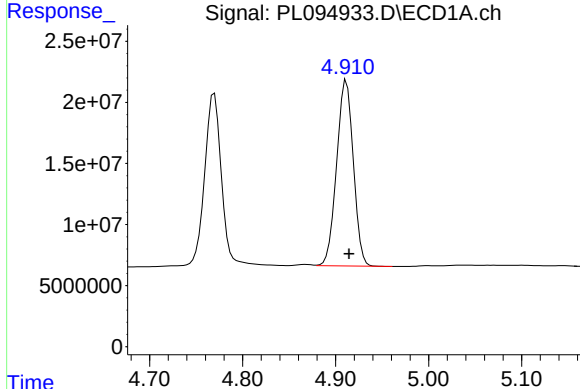
Response_ Signal: PL094933.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.600 min
Delta R.T.: -0.004 min
Response: 285840883
Conc: 55.62 ng/ml

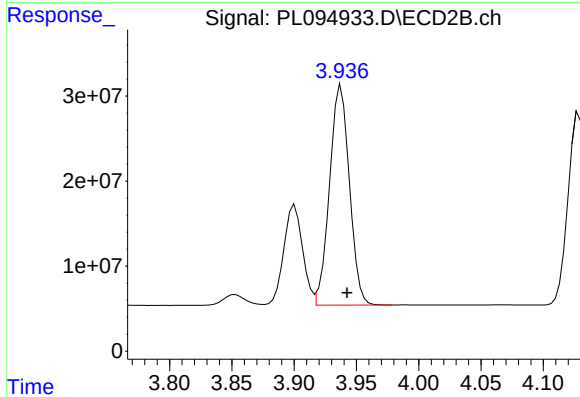
Response_ Signal: PL094933.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 189928261
Conc: 48.93 ng/ml

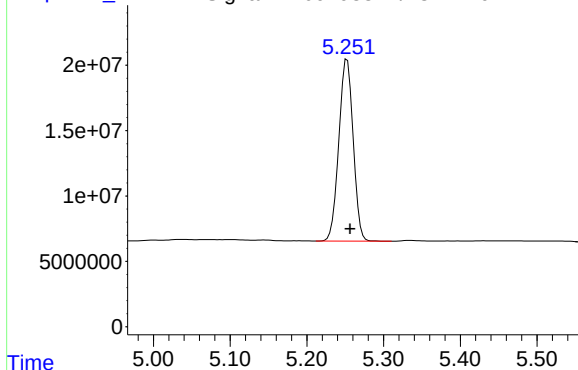
Response_ Signal: PL094933.D\ECD2B.ch



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 286358206
Conc: 54.35 ng/ml

Response_ Signal: PL094933.D\ECD1A.ch



#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 180881743
Conc: 48.99 ng/ml

Instrument :

ECD_L

ClientSampleId :

PB167367BS

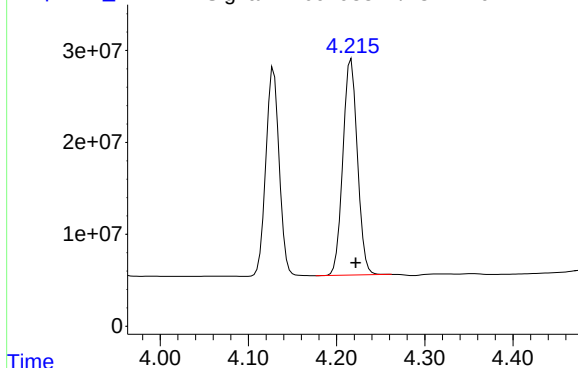
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025

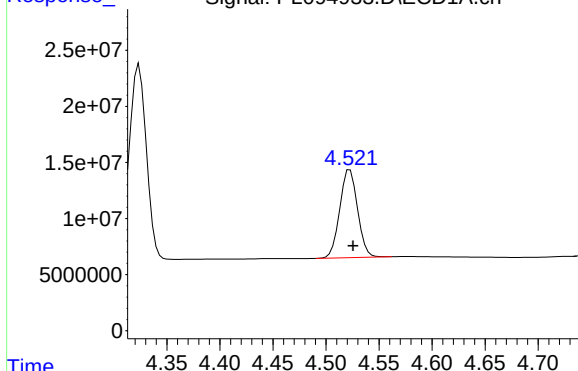
Response_ Signal: PL094933.D\ECD2B.ch



#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.005 min
Response: 268685798
Conc: 55.10 ng/ml

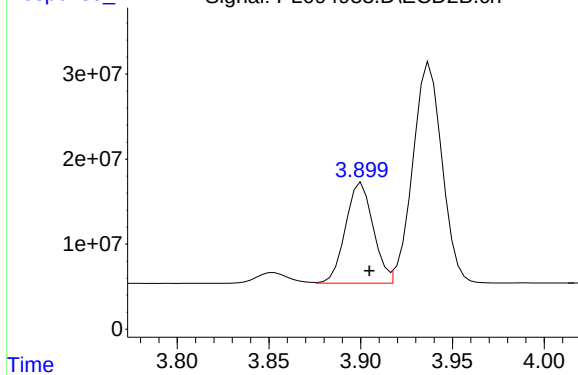
Response_ Signal: PL094933.D\ECD1A.ch



#6 beta-BHC

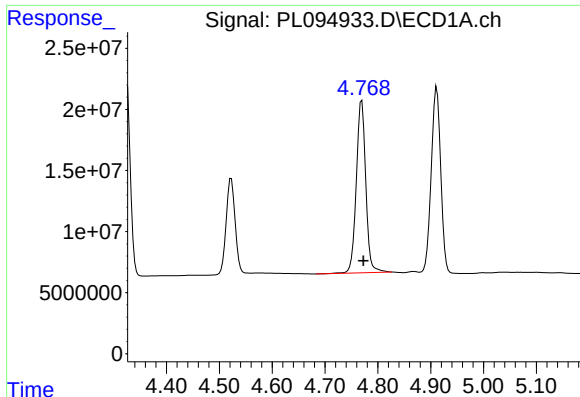
R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 91241704
Conc: 49.45 ng/ml

Response_ Signal: PL094933.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 123835130
Conc: 55.75 ng/ml



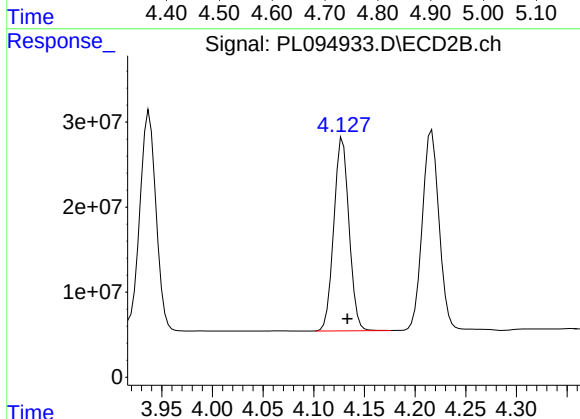
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 175843231
Conc: 45.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

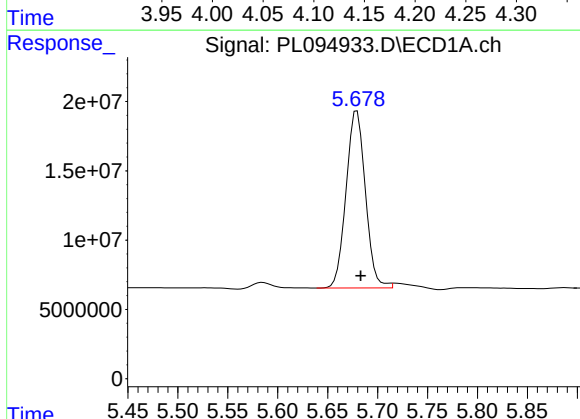
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



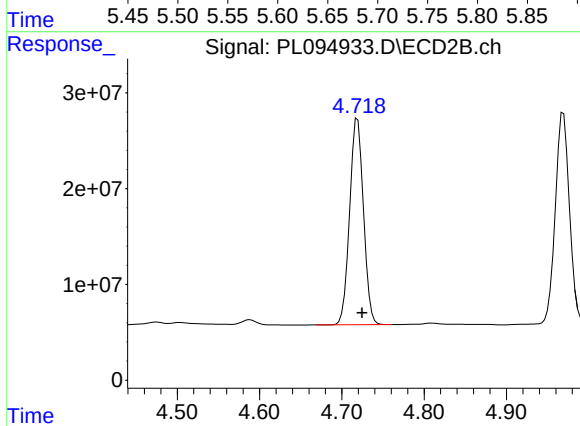
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 237692959
Conc: 47.52 ng/ml



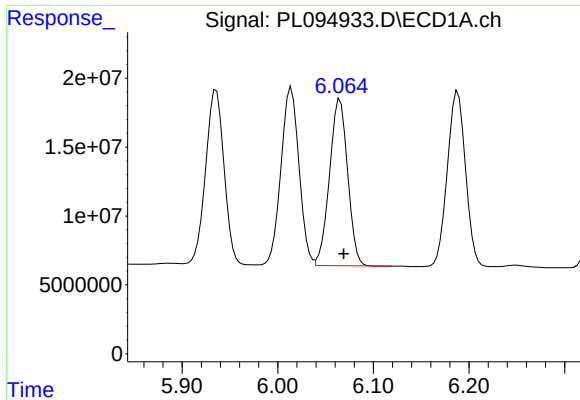
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 172670813
Conc: 51.62 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 251744726
Conc: 54.98 ng/ml



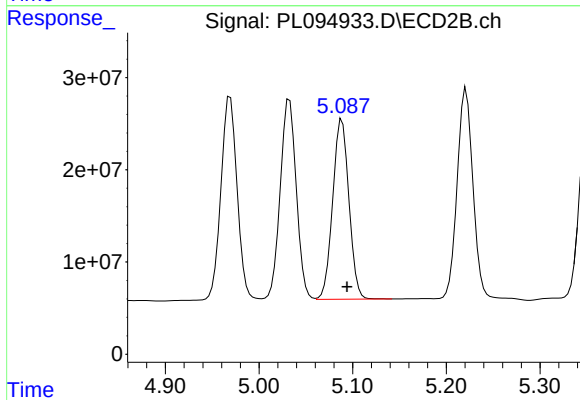
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 159016093
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

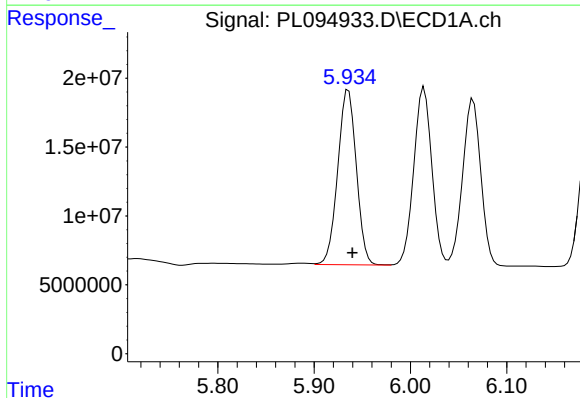
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



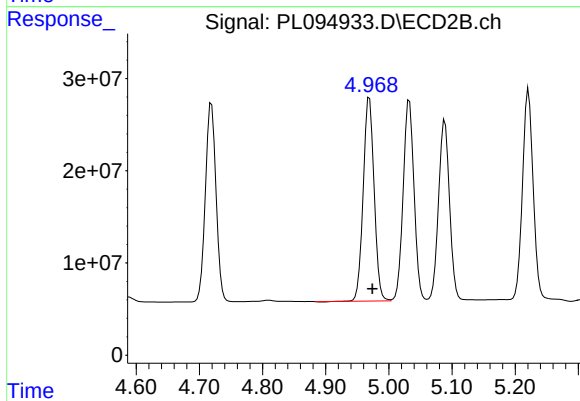
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 235635222
Conc: 53.69 ng/ml



#10 gamma-Chlordane

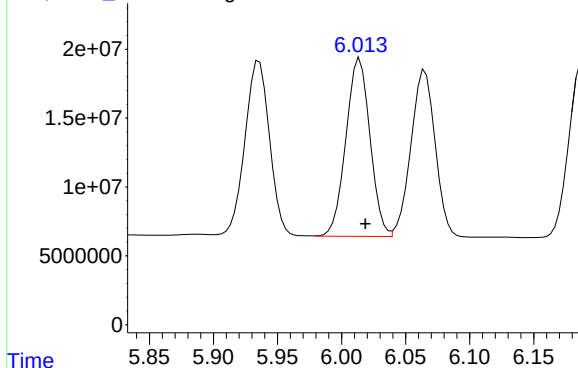
R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 169970540
Conc: 50.45 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 264971749
Conc: 54.88 ng/ml

Response_ Signal: PL094933.D\ECD1A.ch



#11 alpha-Chlordane

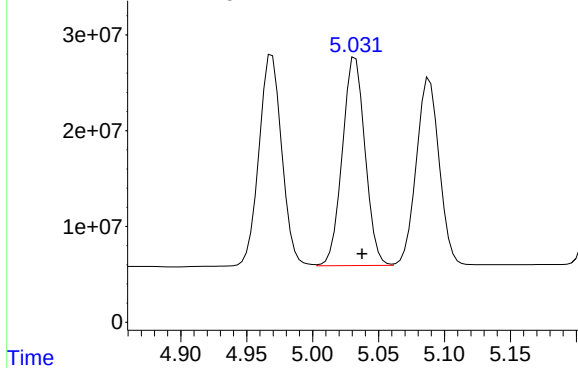
R.T.: 6.014 min
Delta R.T.: -0.004 min
Response: 169201273
Conc: 51.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

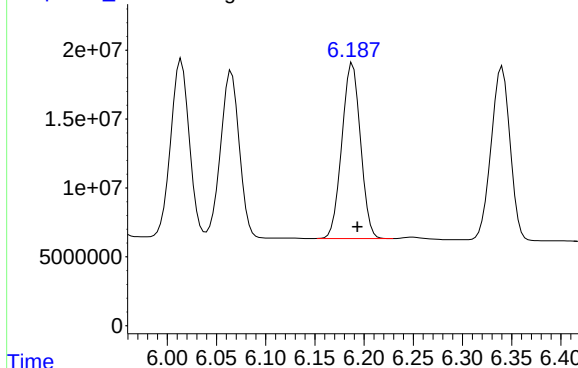
Time Response_ Signal: PL094933.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 260266289
Conc: 54.53 ng/ml

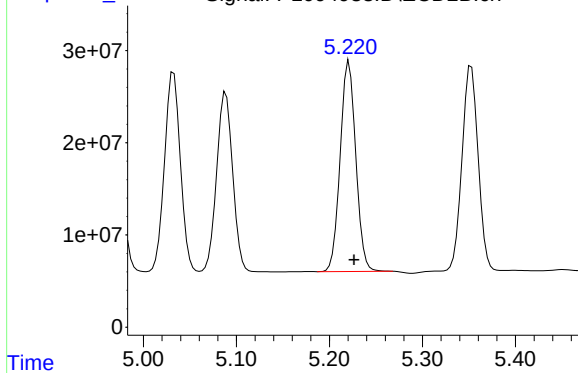
Time Response_ Signal: PL094933.D\ECD1A.ch



#12 4,4'-DDE

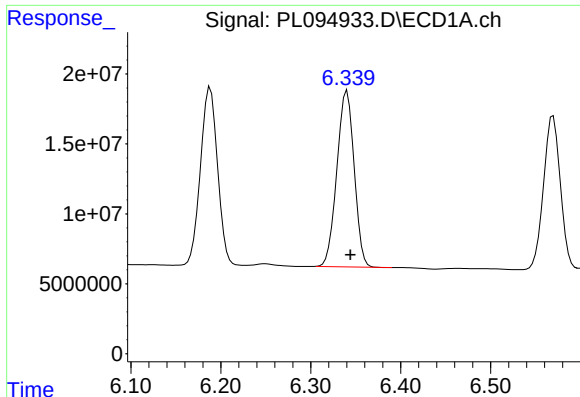
R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 167852724
Conc: 57.05 ng/ml

Time Response_ Signal: PL094933.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 266680252
Conc: 57.37 ng/ml m



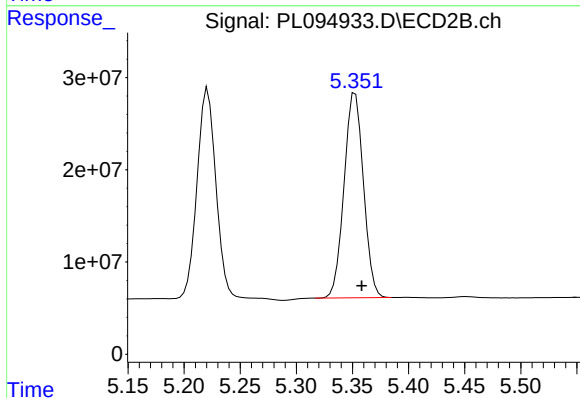
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 168267387
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

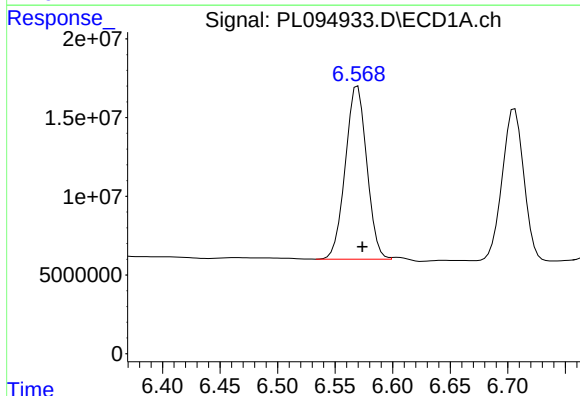
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



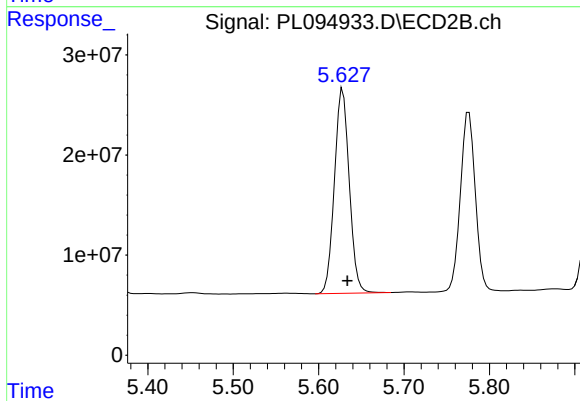
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 267101056
Conc: 55.05 ng/ml m



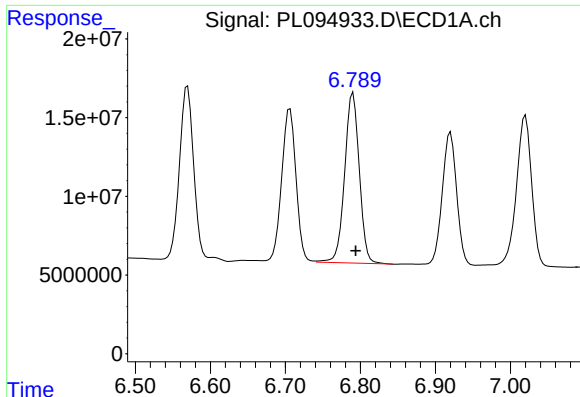
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.006 min
Response: 143410639
Conc: 51.73 ng/ml m



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 247275289
Conc: 56.67 ng/ml



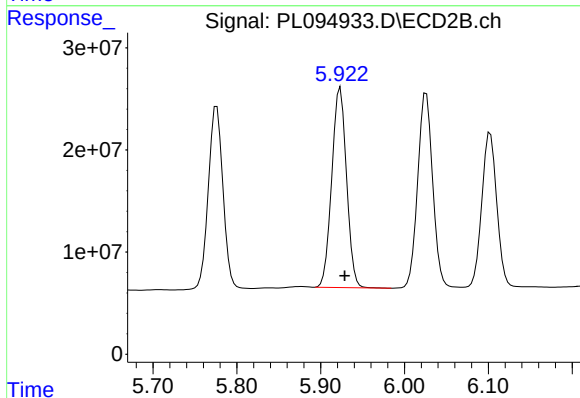
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.004 min
Response: 146653698
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

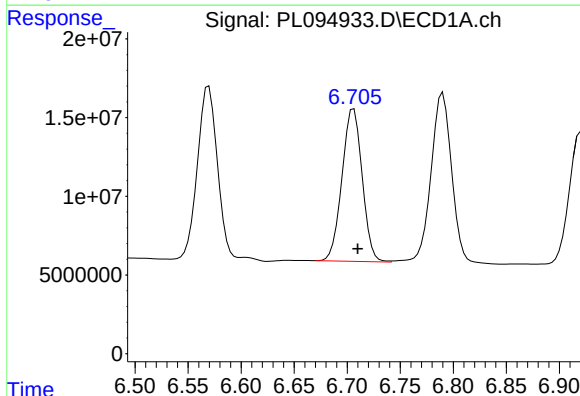
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



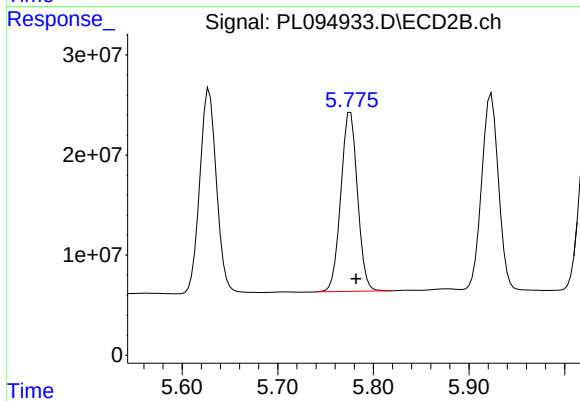
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 238984951
Conc: 55.22 ng/ml



#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 128208657
Conc: 59.19 ng/ml

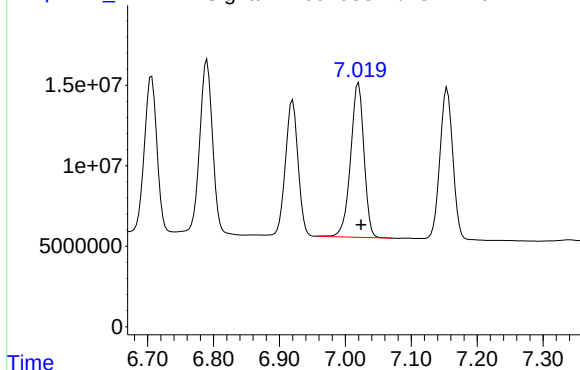


#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 217139654
Conc: 60.39 ng/ml

Signal: PL094933.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 135238371
Conc: 56.86 ng/ml

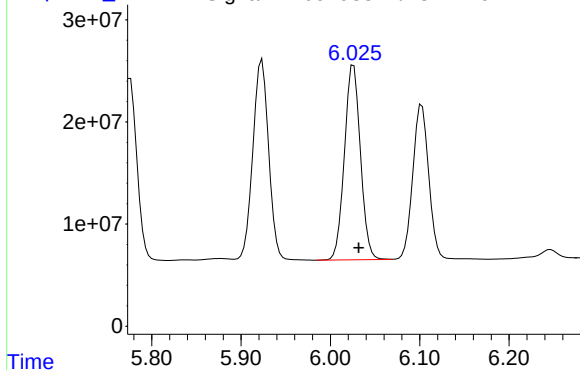
Instrument :
ECD_L
ClientSampleId :
PB167367BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Signal: PL094933.D\ECD2B.ch

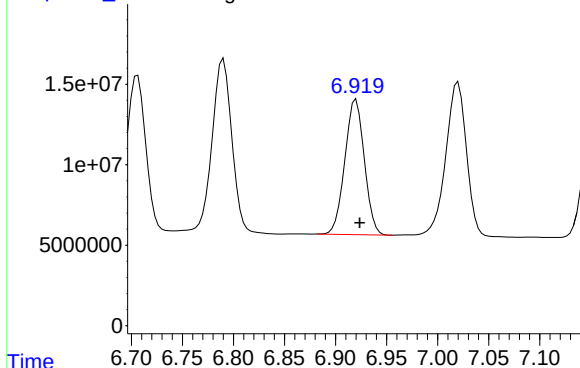
#17 4,4'-DDT



R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 237413006
Conc: 58.88 ng/ml

Signal: PL094933.D\ECD1A.ch

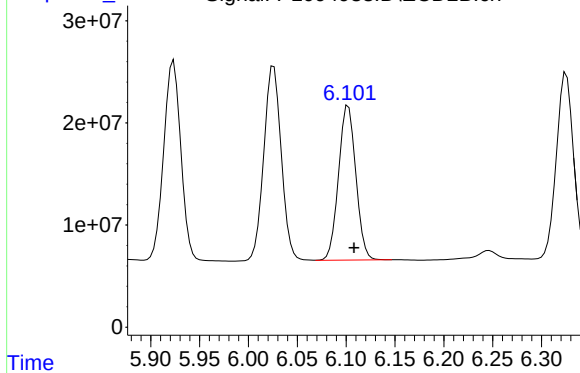
#18 Endrin aldehyde



R.T.: 6.920 min
Delta R.T.: -0.004 min
Response: 111512104
Conc: 52.82 ng/ml

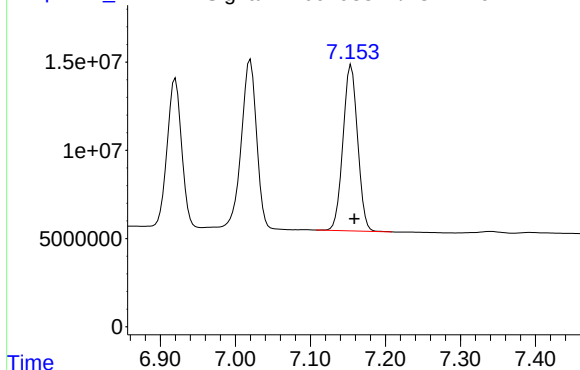
Signal: PL094933.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 187114655
Conc: 55.60 ng/ml

Response_ Signal: PL094933.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: -0.004 min
Response: 127416255
Conc: 52.39 ng/ml

Instrument :

ECD_L

ClientSampleId :

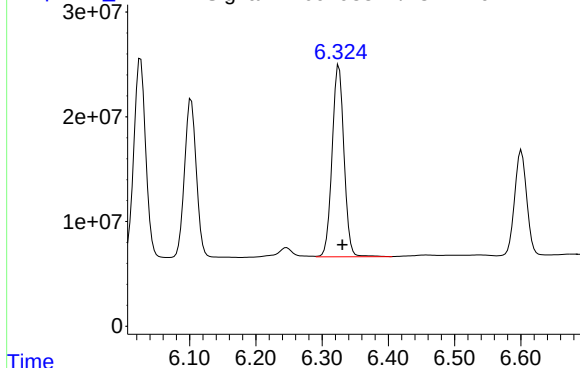
PB167367BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

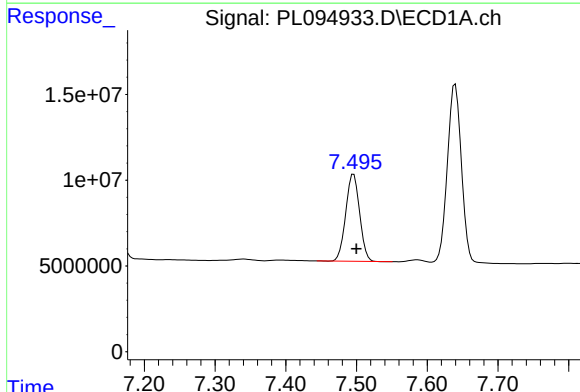
Response_ Signal: PL094933.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 228324205
Conc: 56.05 ng/ml

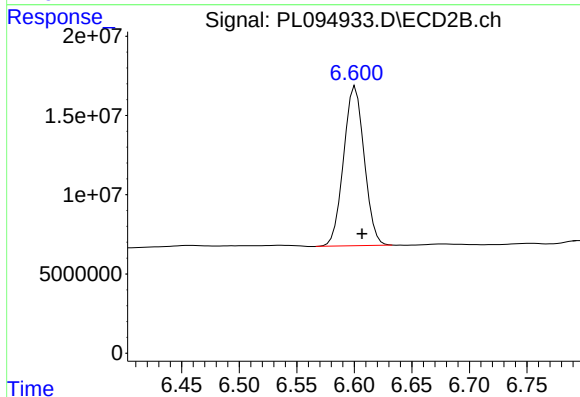
Response_ Signal: PL094933.D\ECD1A.ch



#20 Methoxychlor

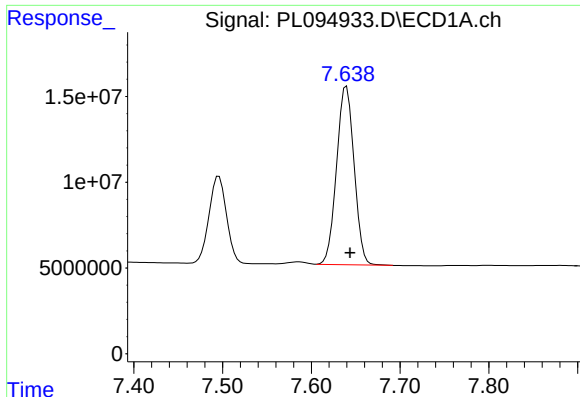
R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 69259748
Conc: 57.86 ng/ml

Response_ Signal: PL094933.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 126056715
Conc: 59.43 ng/ml m



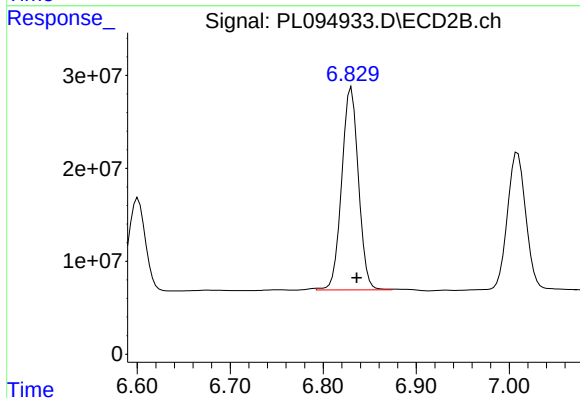
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.004 min
Response: 142992207
Conc: 54.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167367BS

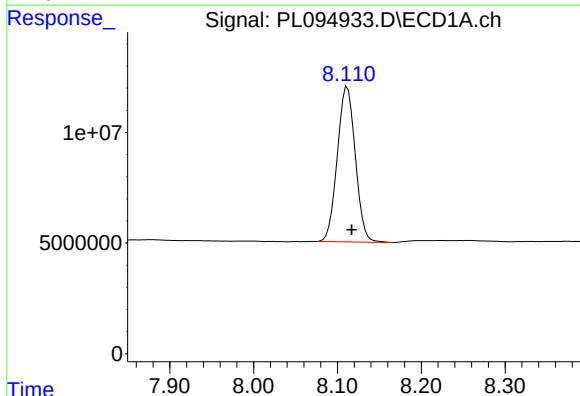
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



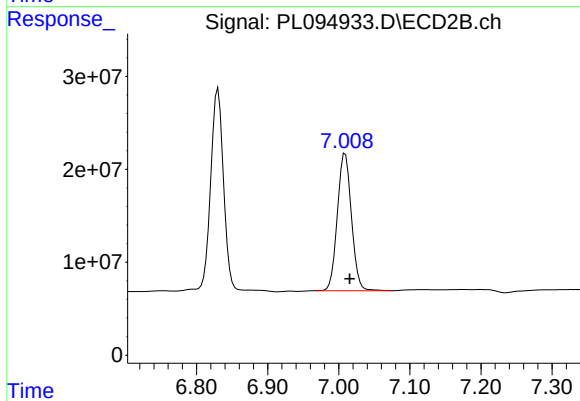
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 272602754
Conc: 57.12 ng/ml m



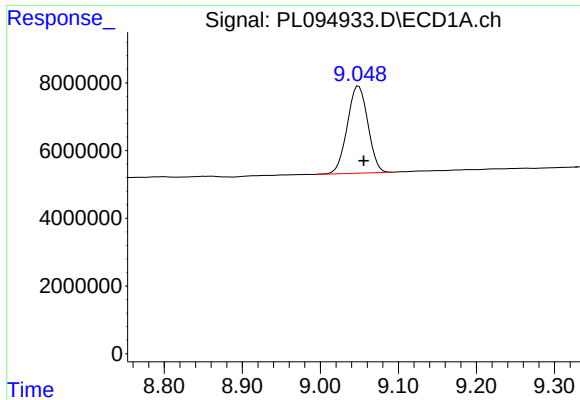
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 104777560
Conc: 50.71 ng/ml



#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 204011639
Conc: 53.75 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 47074108
Conc: 22.34 ng/ml

Instrument :

ECD_L

ClientSampleId :

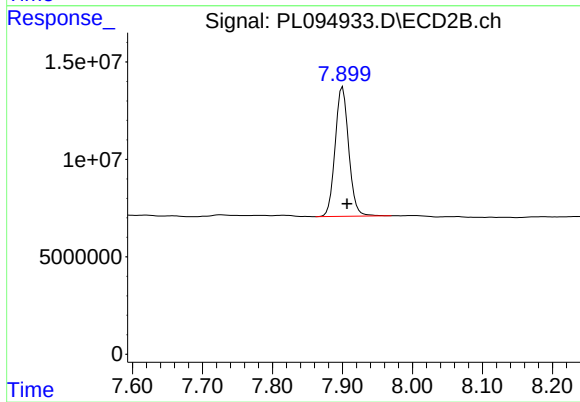
PB167367BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 89360504
Conc: 22.12 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:	Q1664-02MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094935.D	1	03/28/25 08:53	03/28/25 14:05	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.14	1.80	ug/kg
319-85-7	beta-BHC	16.2		0.20	1.80	ug/kg
319-86-8	delta-BHC	15.9		0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.15	1.80	ug/kg
76-44-8	Heptachlor	15.7		0.13	1.80	ug/kg
309-00-2	Aldrin	15.7		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.7		0.21	1.80	ug/kg
959-98-8	Endosulfan I	15.8		0.15	1.80	ug/kg
60-57-1	Dieldrin	16.0		0.15	1.80	ug/kg
72-55-9	4,4-DDE	16.6		0.15	1.80	ug/kg
72-20-8	Endrin	16.4		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	15.6		0.32	1.80	ug/kg
72-54-8	4,4-DDD	17.4		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.2		0.14	1.80	ug/kg
50-29-3	4,4-DDT	16.6		0.15	1.80	ug/kg
72-43-5	Methoxychlor	17.2		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	16.1		0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	15.6		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.7		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	15.8		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		19 - 148	80%	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:	Q1664-02MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.8	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094935.D	1	03/28/25 08:53	03/28/25 14:05	PB167367

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\PL032825\
 Data File : PL094935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 14:05
 Operator : AR\AJ
 Sample : Q1664-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:15:31 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...	3.535	2.769	44494935	57167997	15.719	16.017
28)	SA Decachlor...	9.048	7.900	34744174	62860872	16.486	15.562
Target Compounds							
2)	A alpha-BHC	3.991	3.269	167.7E6	247.8E6	40.387	45.967m
3)	MA gamma-BHC...	4.324	3.599	161.6E6	227.5E6	40.489	44.269m
4)	MA Heptachlor	4.911	3.938	154.3E6	228.1E6	39.756	43.289
5)	MB Aldrin	5.252	4.217	146.3E6	211.5E6	39.622	43.381
6)	B beta-BHC	4.523	3.900	74415110	99541909	40.329	44.813
7)	B delta-BHC	4.769	4.129	162.5E6	220.1E6	41.728	44.000
8)	B Heptachlo...	5.679	4.719	130.8E6	198.7E6	39.095	43.406
9)	A Endosulfan I	6.064	5.089	128.8E6	191.0E6	41.943	43.525
10)	B gamma-Chl...	5.935	4.969	137.0E6	210.3E6	40.673	43.557
11)	B alpha-Chl...	6.014	5.033	136.5E6	206.4E6	41.399	43.245
12)	B 4,4'-DDE	6.188	5.221	133.8E6	212.5E6	45.479	45.710
13)	MA Dieldrin	6.339	5.353	135.0E6	213.9E6	42.219	44.076
14)	MA Endrin	6.568	5.628	116.3E6	197.0E6	41.960m	45.148
15)	B Endosulfa...	6.790	5.923	116.6E6	186.4E6	42.956	43.055
16)	A 4,4'-DDD	6.705	5.776	104.3E6	167.3E6	48.153	46.516
17)	MA 4,4'-DDT	7.020	6.025	107.9E6	185.2E6	45.371	45.923
18)	B Endrin al...	6.920	6.102	89859479	145.1E6	42.567	43.108
19)	B Endosulfa...	7.154	6.325	104.7E6	182.4E6	43.068	44.775
20)	A Methoxychlor	7.496	6.599	56790187	100.7E6	47.441	47.459m
21)	B Endrin ke...	7.639	6.828	117.6E6	210.3E6	44.489	44.057m
22)	Mirex	8.111	7.009	83691493	160.4E6	40.503	42.262

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 14:05
Operator : AR\AJ
Sample : Q1664-02MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

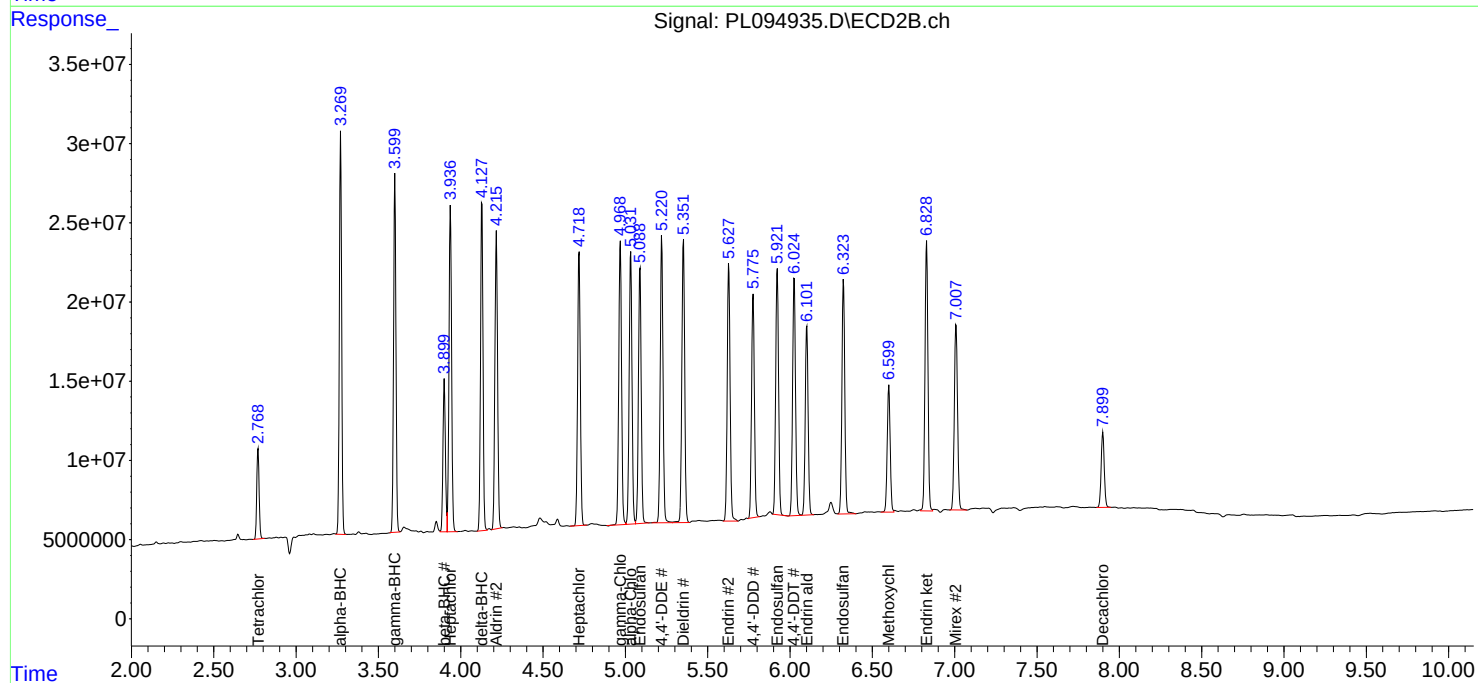
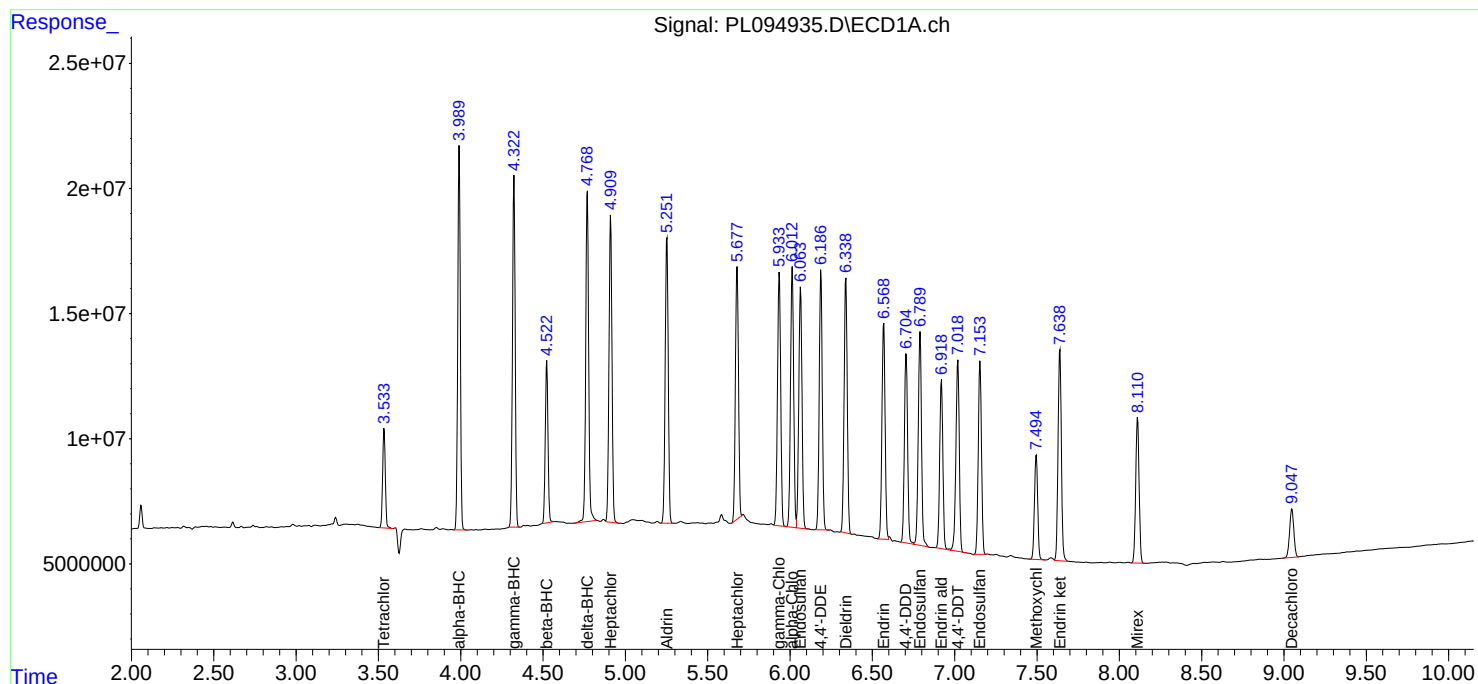
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MS

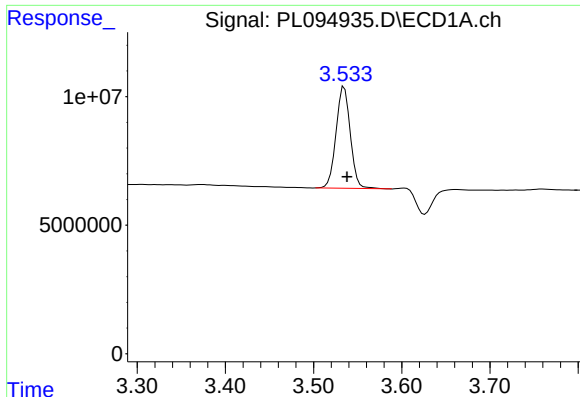
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:31 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





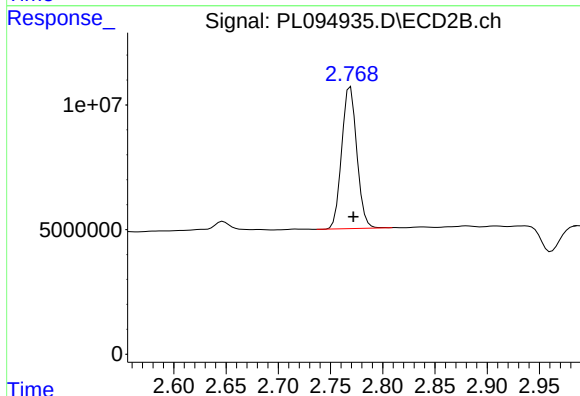
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 44494935
Conc: 15.72 ng/ml

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

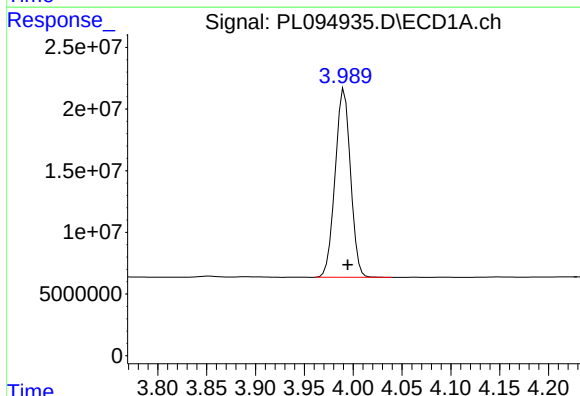
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



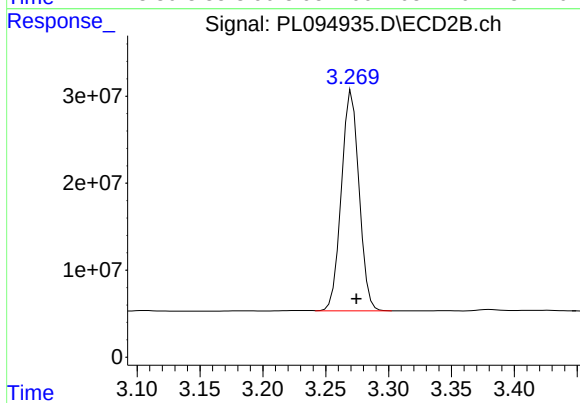
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 57167997
Conc: 16.02 ng/ml



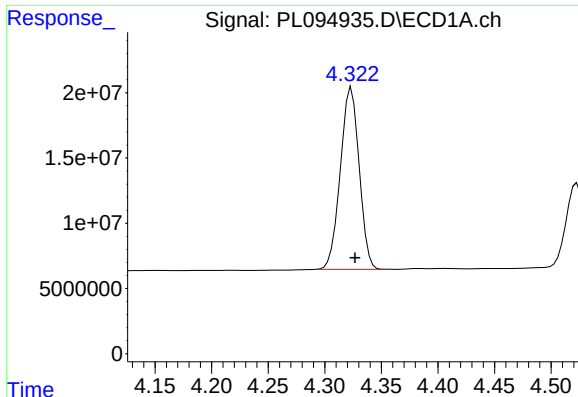
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 167701434
Conc: 40.39 ng/ml



#2 alpha-BHC

R.T.: 3.269 min
Delta R.T.: -0.005 min
Response: 247827848
Conc: 45.97 ng/ml m



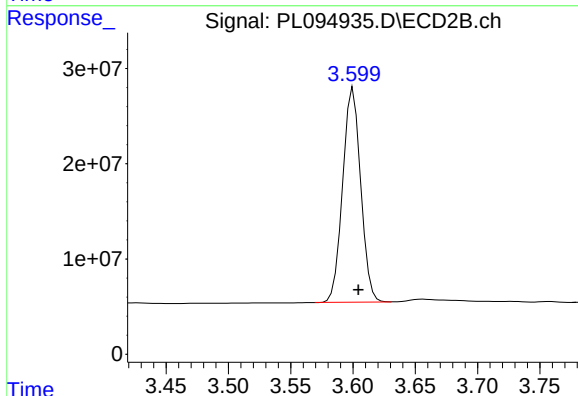
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 161560356
Conc: 40.49 ng/ml

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

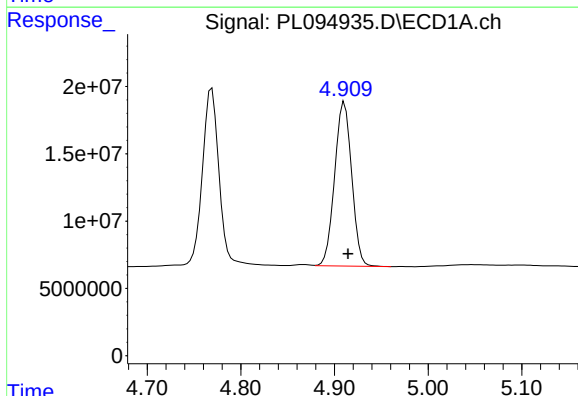
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



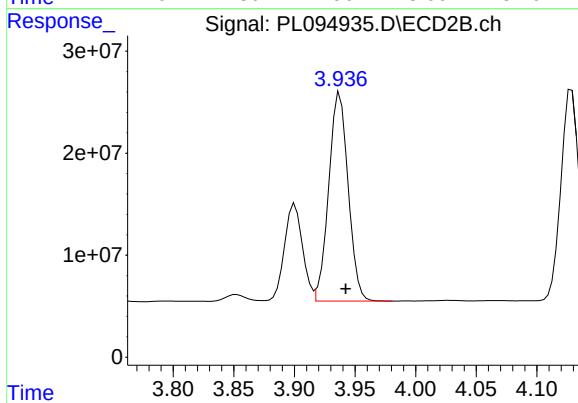
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 227517747
Conc: 44.27 ng/ml m



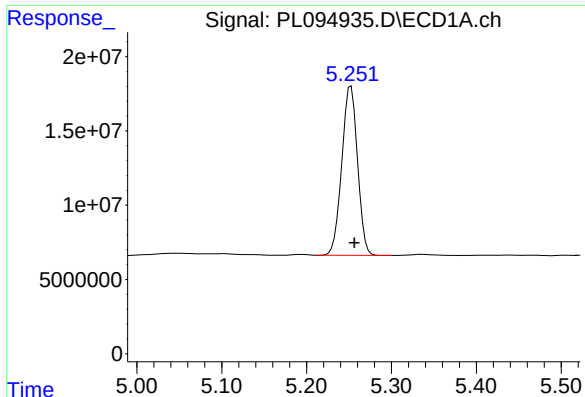
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 154317044
Conc: 39.76 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 228073884
Conc: 43.29 ng/ml



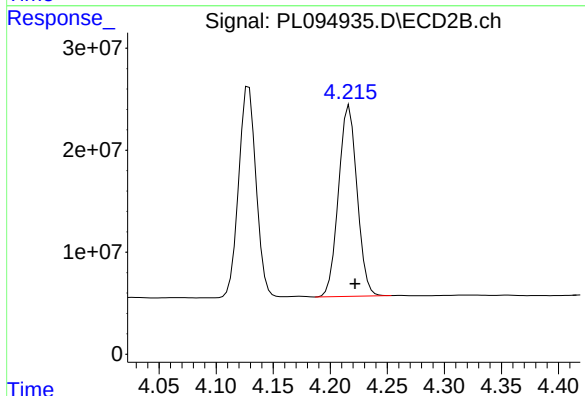
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 146293049
Conc: 39.62 ng/ml

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

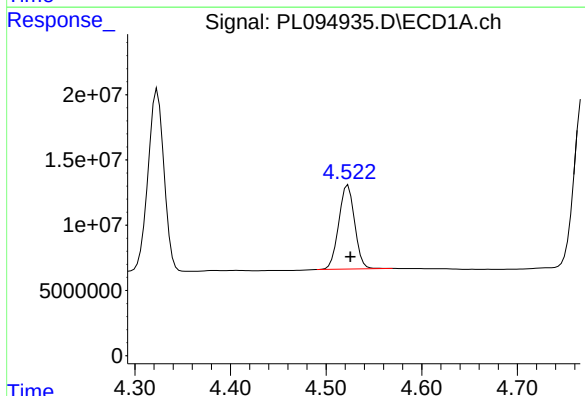
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



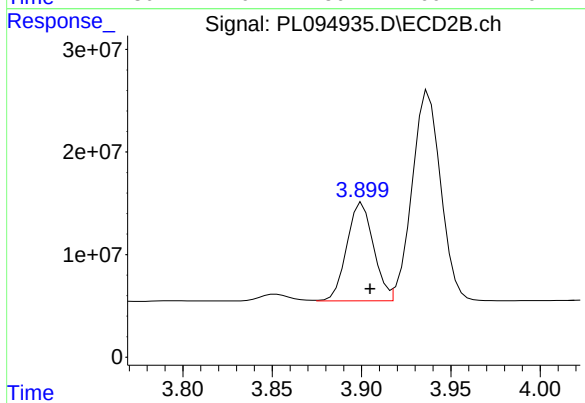
#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.005 min
Response: 211540995
Conc: 43.38 ng/ml



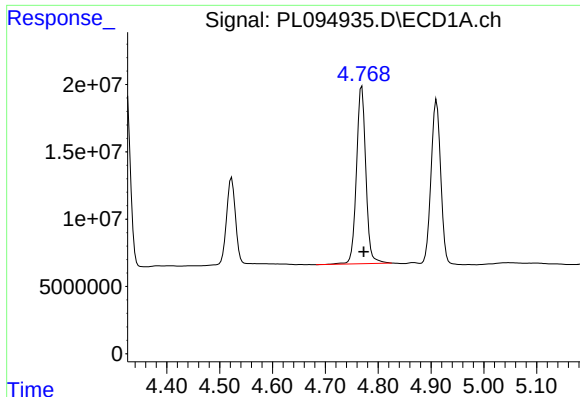
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 74415110
Conc: 40.33 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.004 min
Response: 99541909
Conc: 44.81 ng/ml



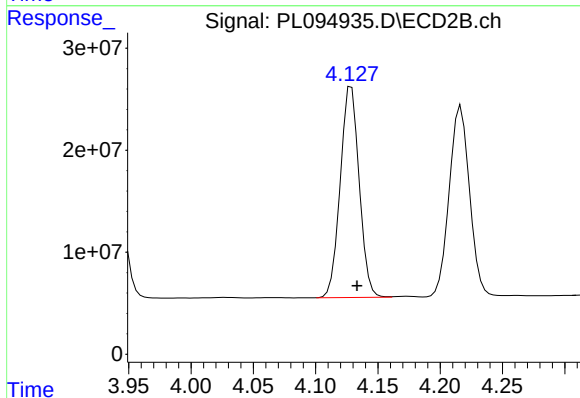
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: -0.004 min
Response: 162499829
Conc: 41.73 ng/ml

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

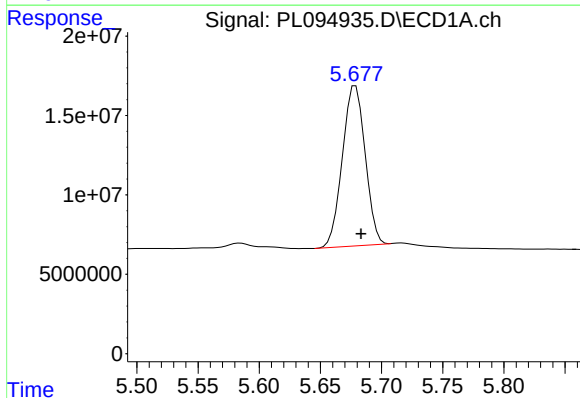
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



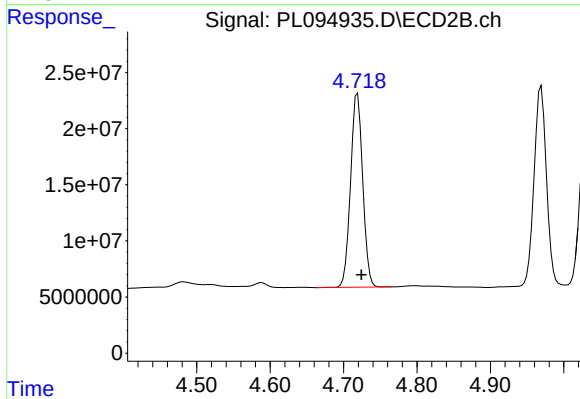
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.005 min
Response: 220087977
Conc: 44.00 ng/ml



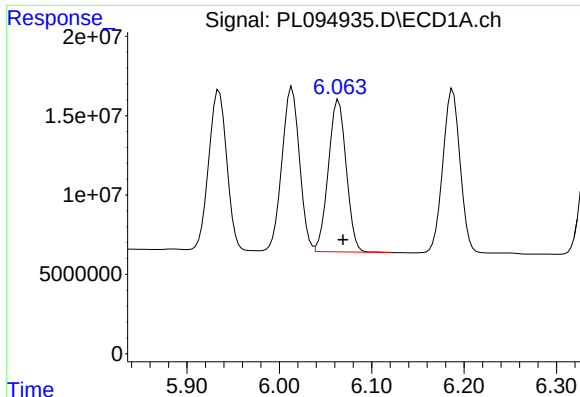
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 130782031
Conc: 39.10 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 198737958
Conc: 43.41 ng/ml



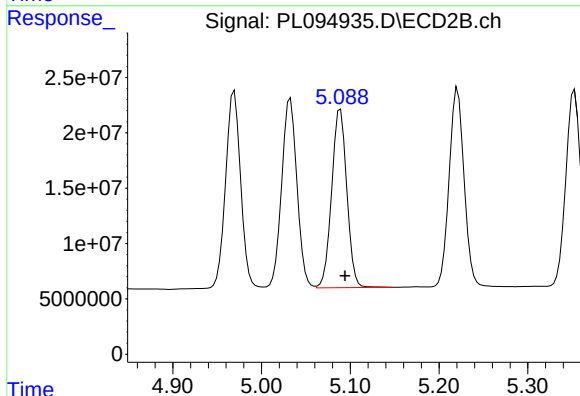
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.005 min
Response: 128774783
Conc: 41.94 ng/ml

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

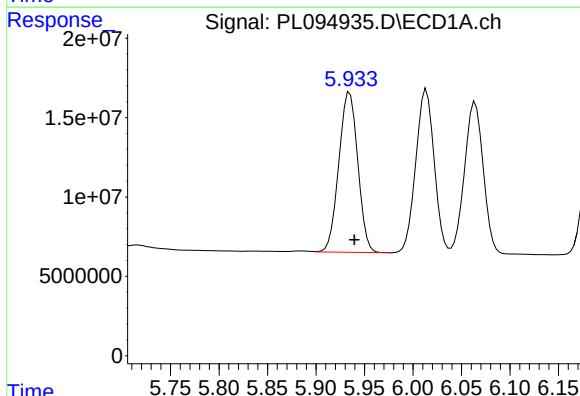
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



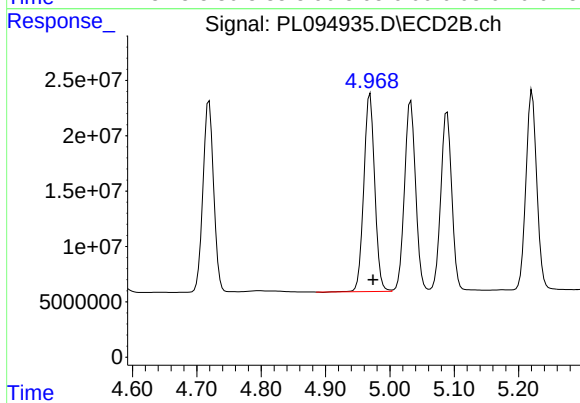
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 191018443
Conc: 43.52 ng/ml



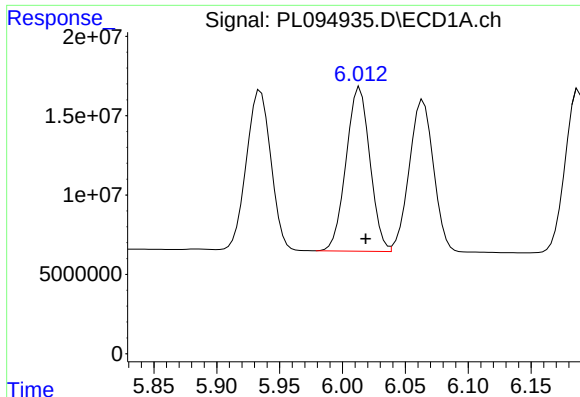
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.005 min
Response: 137042031
Conc: 40.67 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min
Delta R.T.: -0.005 min
Response: 210309794
Conc: 43.56 ng/ml



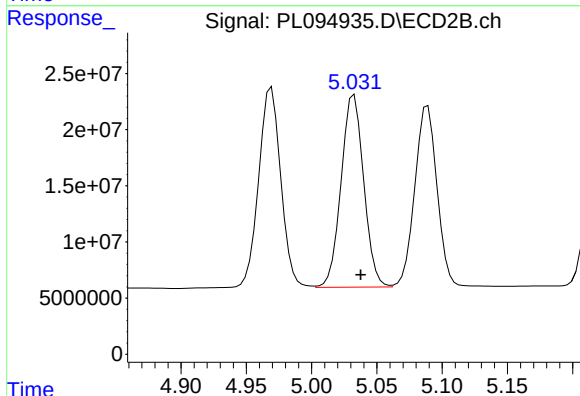
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: -0.005 min
Response: 136487092
Conc: 41.40 ng/ml

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

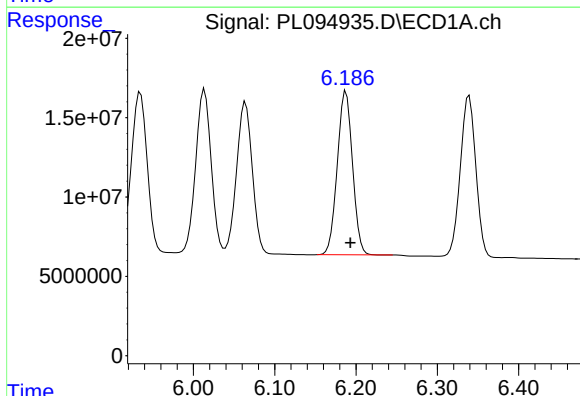
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



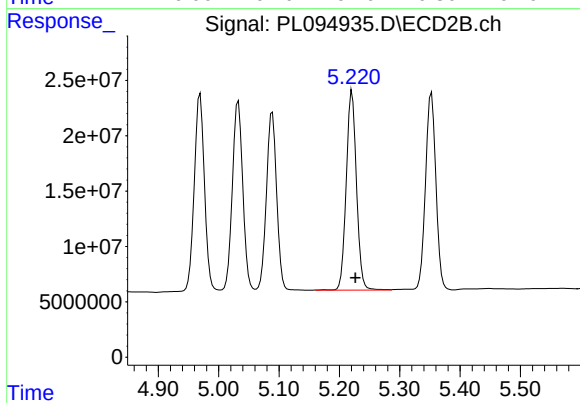
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.005 min
Response: 206398983
Conc: 43.25 ng/ml



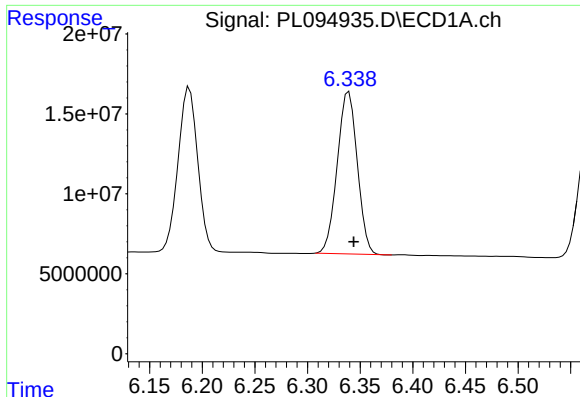
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 133802628
Conc: 45.48 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.006 min
Response: 212483640
Conc: 45.71 ng/ml



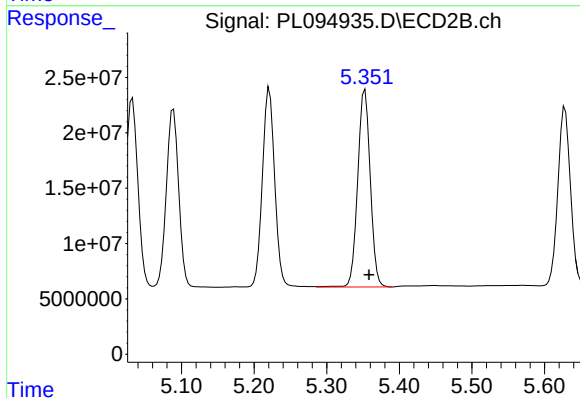
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.005 min
Response: 135022930
Conc: 42.22 ng/ml

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

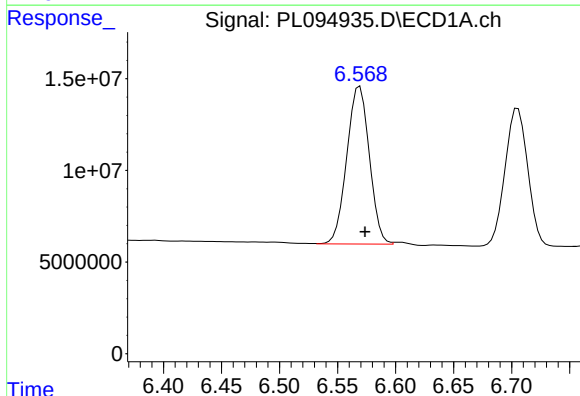
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



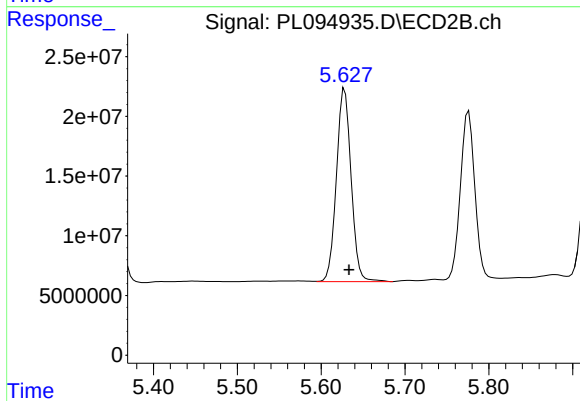
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 213850758
Conc: 44.08 ng/ml



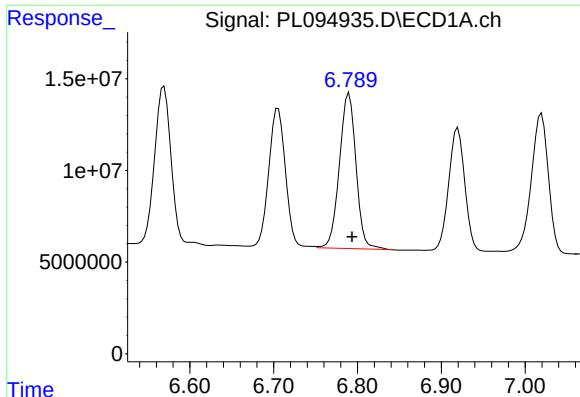
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.006 min
Response: 116316961
Conc: 41.96 ng/ml m



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 197010193
Conc: 45.15 ng/ml



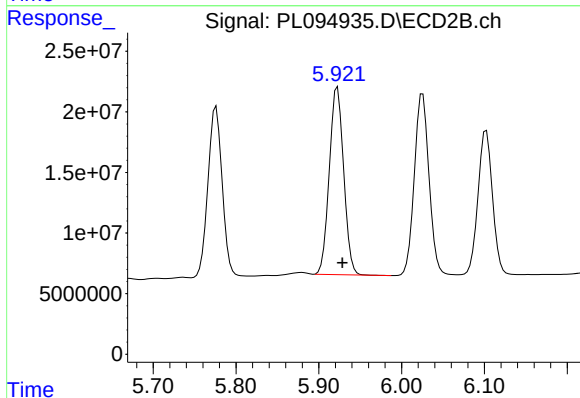
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.004 min
Response: 116613931
Conc: 42.96 ng/ml

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

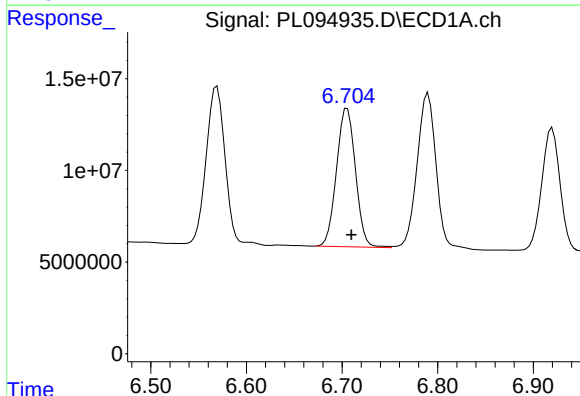
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



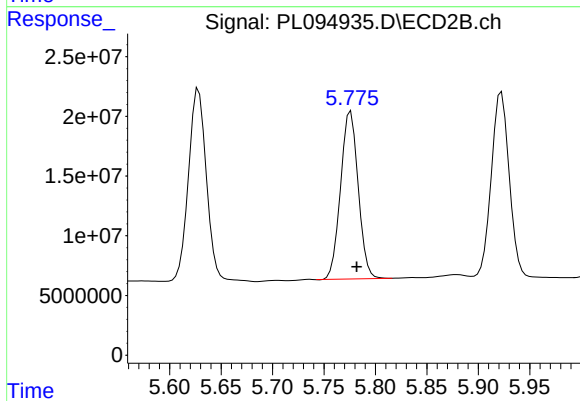
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.006 min
Response: 186353598
Conc: 43.06 ng/ml



#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.005 min
Response: 104302625
Conc: 48.15 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 167265582
Conc: 46.52 ng/ml

Response_ Signal: PL094935.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 107915948
Conc: 45.37 ng/ml

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

**Manual Integrations
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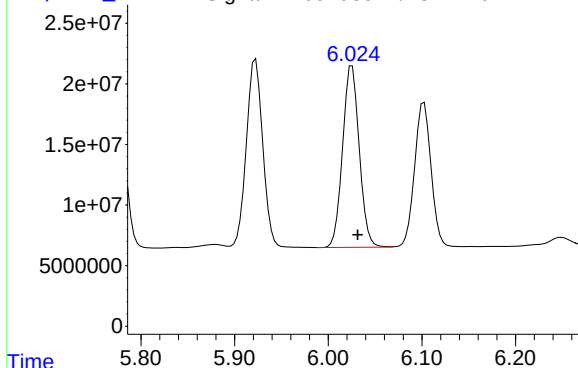
Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Time

Response_ Signal: PL094935.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.025 min
Delta R.T.: -0.006 min
Response: 185165676
Conc: 45.92 ng/ml

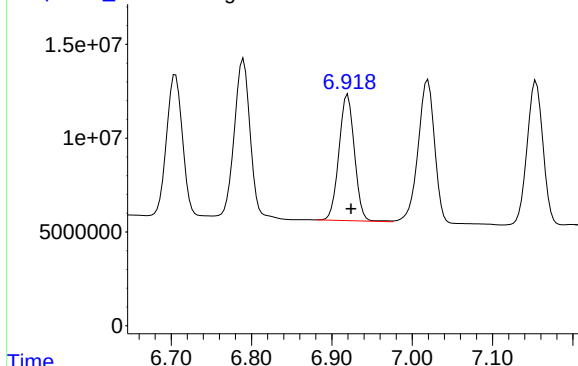


Time

Response_ Signal: PL094935.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.004 min
Response: 89859479
Conc: 42.57 ng/ml

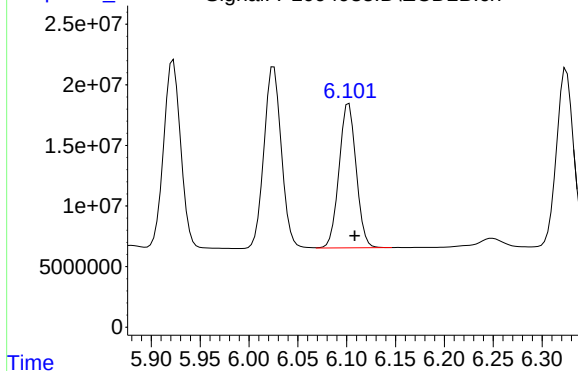


Time

Response_ Signal: PL094935.D\ECD2B.ch

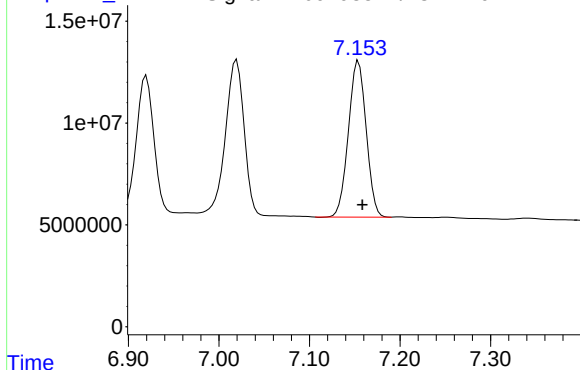
#18 Endrin aldehyde

R.T.: 6.102 min
Delta R.T.: -0.006 min
Response: 145075927
Conc: 43.11 ng/ml



Time

Signal: PL094935.D\ECD1A.ch



#19 Endosulfan Sulfate

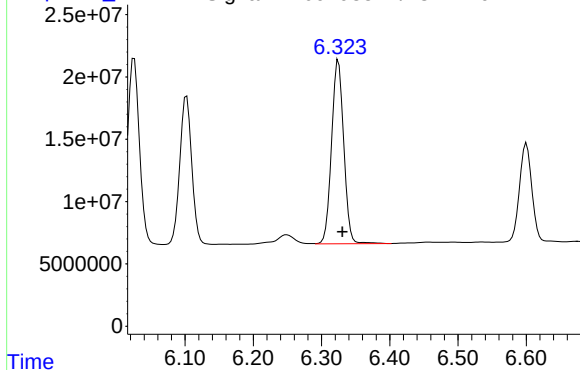
R.T.: 7.154 min
Delta R.T.: -0.004 min
Response: 104743094
Conc: 43.07 ng/ml

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

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

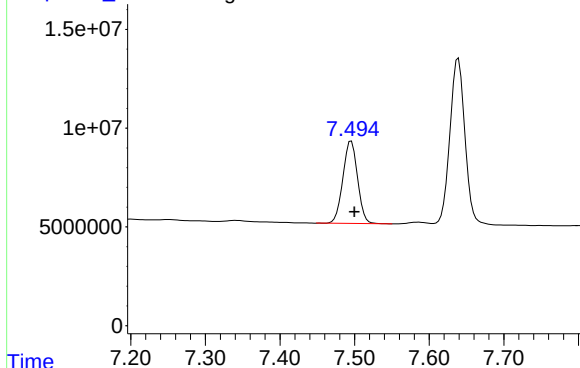
Signal: PL094935.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 182389843
Conc: 44.78 ng/ml

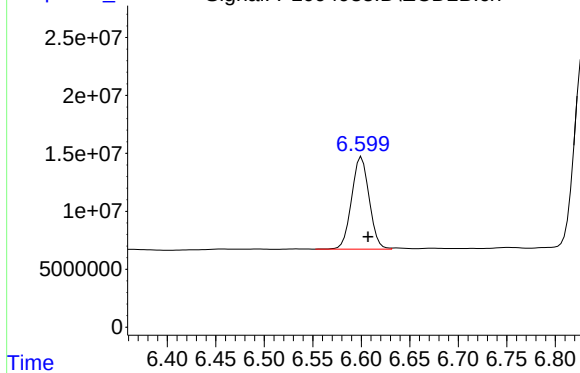
Signal: PL094935.D\ECD1A.ch



#20 Methoxychlor

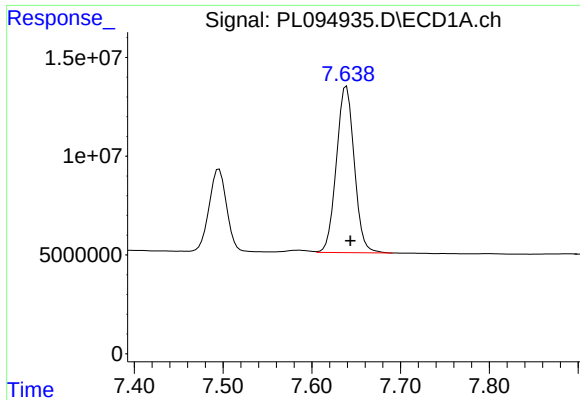
R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 56790187
Conc: 47.44 ng/ml

Signal: PL094935.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 100663203
Conc: 47.46 ng/ml m



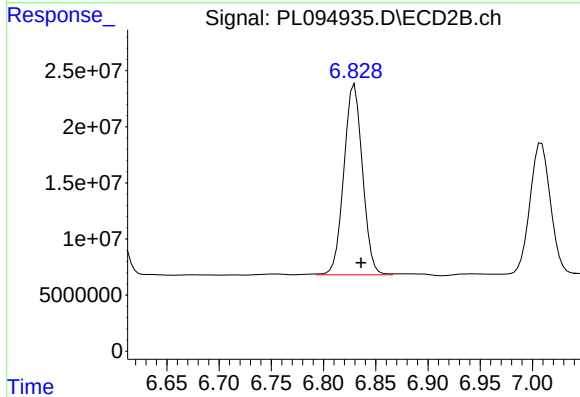
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.004 min
Response: 117595280
Conc: 44.49 ng/ml

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

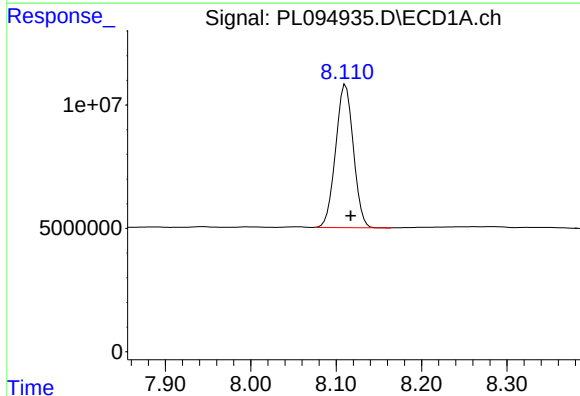
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



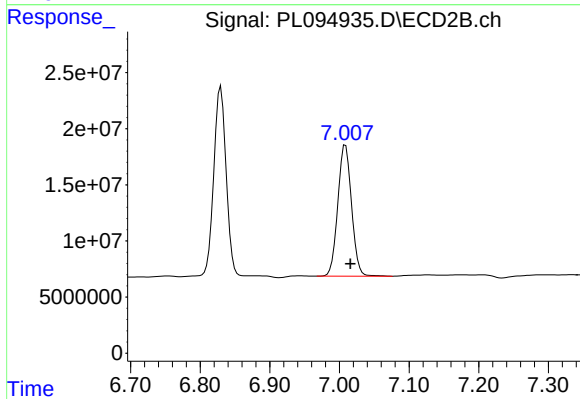
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.008 min
Response: 210267112
Conc: 44.06 ng/ml m



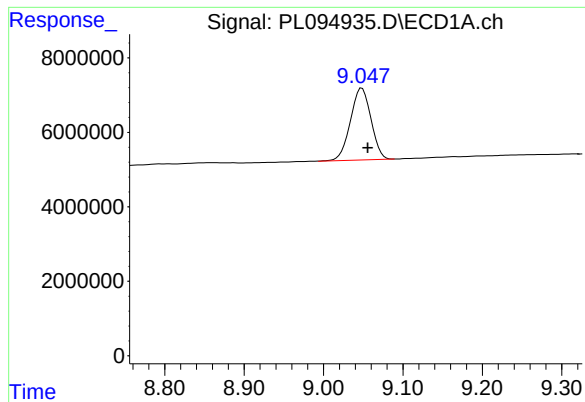
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.006 min
Response: 83691493
Conc: 40.50 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.007 min
Response: 160395854
Conc: 42.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.007 min
Response: 34744174
Conc: 16.49 ng/ml

Instrument :

ECD_L

ClientSampleId :

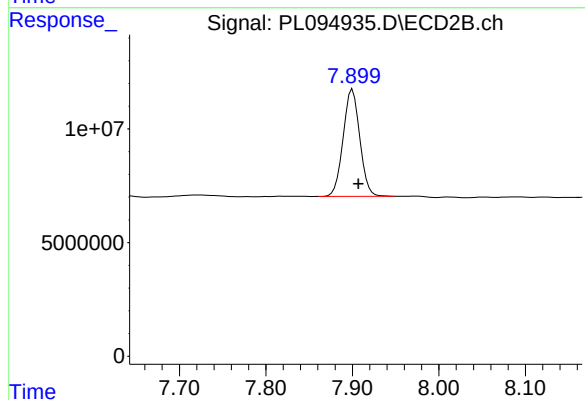
P001-BBDGA-001-01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 62860872
Conc: 15.56 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:	Q1664-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094936.D	1	03/28/25 08:53	03/28/25 14:19	PB167367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.6		0.14	1.80	ug/kg
319-85-7	beta-BHC	16.1		0.20	1.80	ug/kg
319-86-8	delta-BHC	15.8		0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.15	1.80	ug/kg
76-44-8	Heptachlor	15.6		0.13	1.80	ug/kg
309-00-2	Aldrin	15.6		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.6		0.21	1.80	ug/kg
959-98-8	Endosulfan I	16.0		0.15	1.80	ug/kg
60-57-1	Dieldrin	15.7		0.15	1.80	ug/kg
72-55-9	4,4-DDE	16.4		0.15	1.80	ug/kg
72-20-8	Endrin	16.3		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	15.5		0.32	1.80	ug/kg
72-54-8	4,4-DDD	17.3		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.14	1.80	ug/kg
50-29-3	4,4-DDT	16.5		0.15	1.80	ug/kg
72-43-5	Methoxychlor	17.0		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	15.9		0.21	1.80	ug/kg
7421-93-4	Endrin aldehyde	15.6		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.8		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	15.7		0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	35.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.3		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.8		19 - 148	79%	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:	Q1664-03MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	91.8	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094936.D	1	03/28/25 08:53	03/28/25 14:19	PB167367

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\PL032825\
 Data File : PL094936.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2025 14:19
 Operator : AR\AJ
 Sample : Q1664-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 28 23:15:47 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...	3.535	2.769	44292448	56525280	15.647	15.837
28)	SA Decachlor...	9.049	7.900	34250223	60786073	16.252	15.048
Target Compounds							
2)	A alpha-BHC	3.991	3.271	166.1E6	246.1E6	40.005	45.644
3)	MA gamma-BHC...	4.324	3.599	160.4E6	226.3E6	40.193	44.032m
4)	MA Heptachlor	4.911	3.938	152.7E6	226.3E6	39.347	42.953
5)	MB Aldrin	5.252	4.217	145.0E6	209.6E6	39.278	42.983
6)	B beta-BHC	4.523	3.901	73966945	98813793	40.086	44.485
7)	B delta-BHC	4.768	4.129	161.8E6	218.2E6	41.551m	43.624
8)	B Heptachlo...	5.679	4.720	131.5E6	196.8E6	39.304	42.991
9)	A Endosulfan I	6.064	5.089	127.9E6	193.9E6	41.650	44.183
10)	B gamma-Chl...	5.935	4.968	136.0E6	209.3E6	40.369	43.352m
11)	B alpha-Chl...	6.014	5.032	135.8E6	207.3E6	41.181	43.442
12)	B 4,4'-DDE	6.188	5.220	133.1E6	209.0E6	45.252	44.954m
13)	MA Dieldrin	6.338	5.351	135.1E6	210.3E6	42.246m	43.349m
14)	MA Endrin	6.569	5.629	116.1E6	195.9E6	41.879	44.891
15)	B Endosulfa...	6.790	5.923	115.7E6	184.2E6	42.606	42.559
16)	A 4,4'-DDD	6.706	5.776	103.1E6	166.1E6	47.617	46.180
17)	MA 4,4'-DDT	7.020	6.026	106.8E6	183.0E6	44.918	45.394
18)	B Endrin al...	6.920	6.103	90045459	145.1E6	42.656	43.123
19)	B Endosulfa...	7.154	6.325	105.2E6	180.1E6	43.240	44.222
20)	A Methoxychlor	7.496	6.601	55760020	99405420	46.580	46.866
21)	B Endrin ke...	7.640	6.829	116.0E6	206.6E6	43.902	43.285m
22)	Mirex	8.111	7.008	83104307	157.5E6	40.219	41.489m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032825\
Data File : PL094936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Mar 2025 14:19
Operator : AR\AJ
Sample : Q1664-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

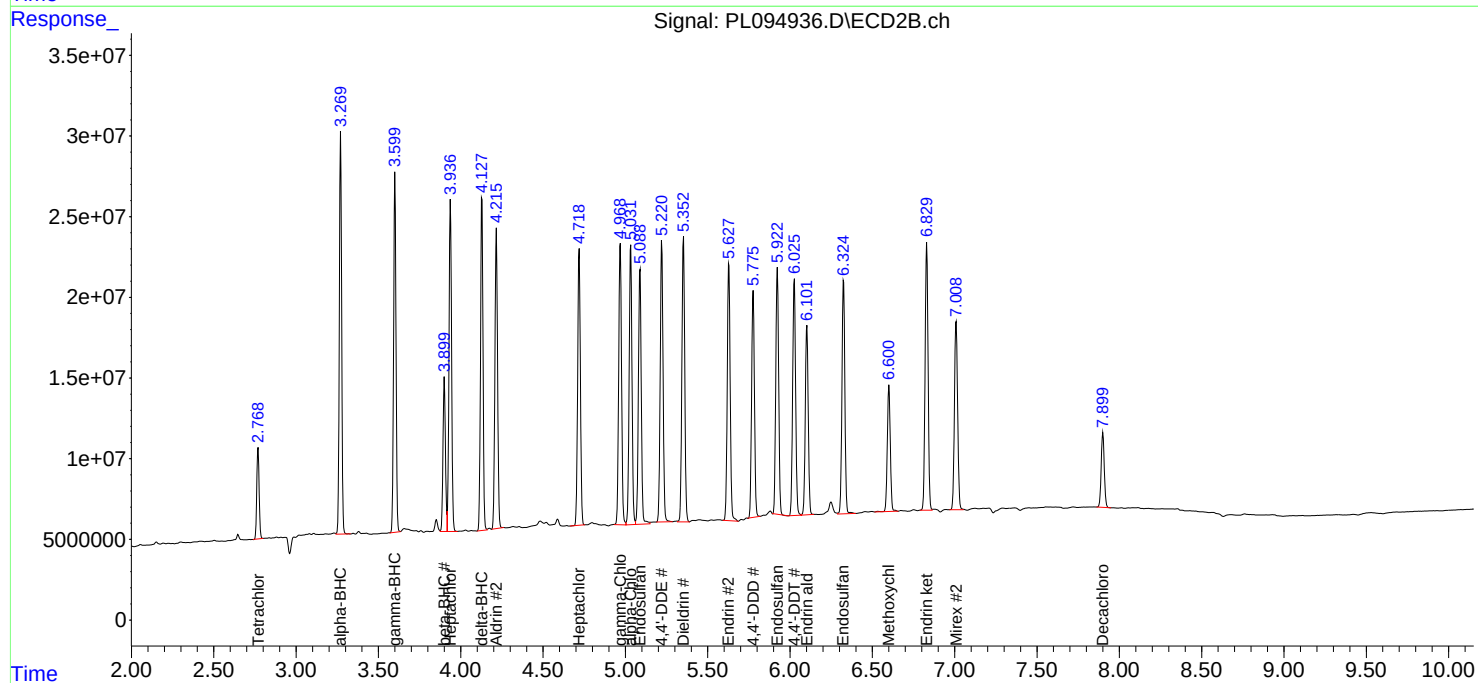
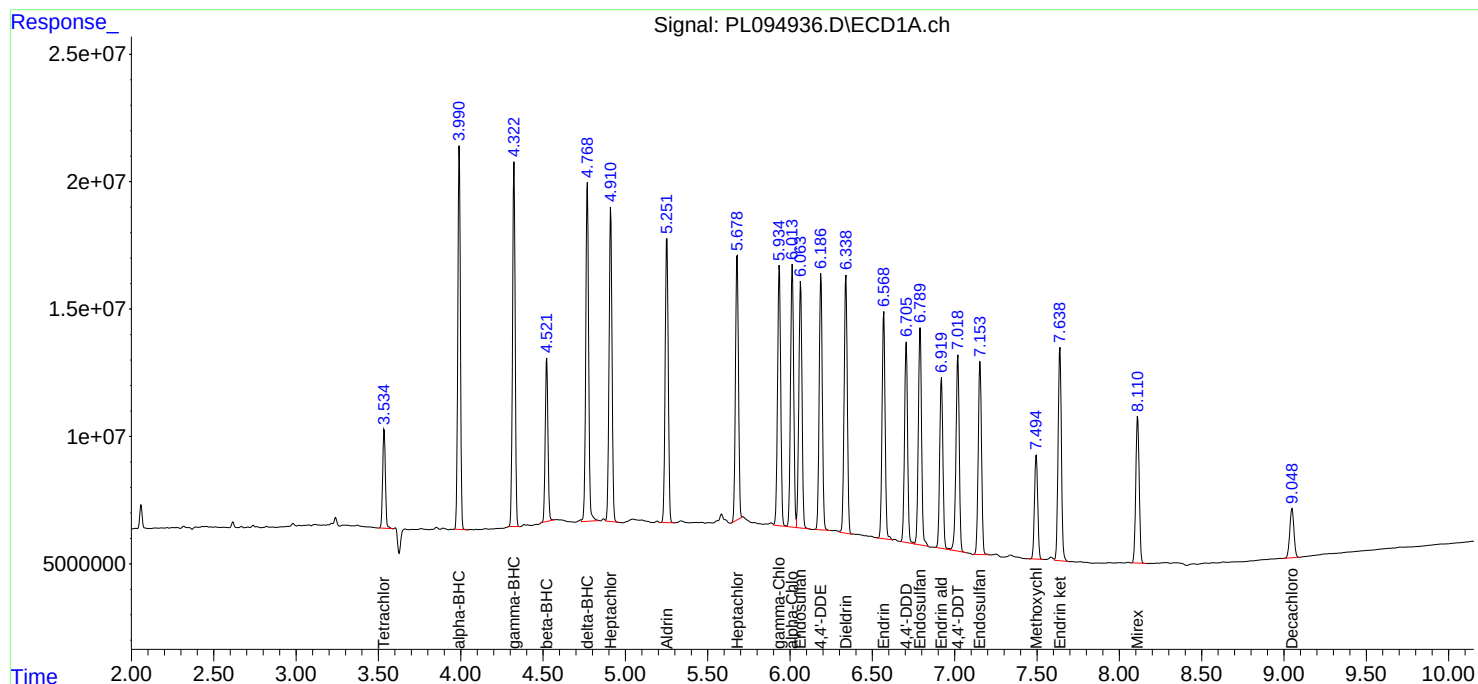
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations
APPROVED

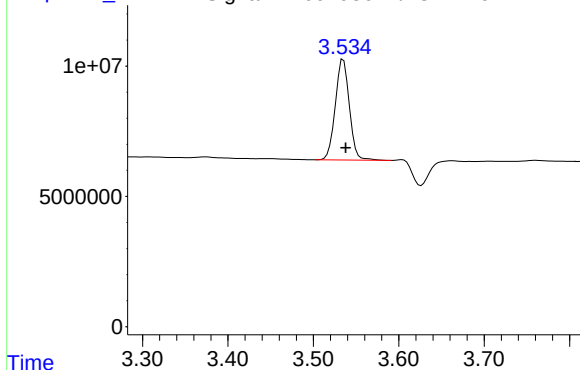
Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 23:15:47 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



Signal: PL094936.D\ECD1A.ch



#1 Tetrachloro-m-xylene

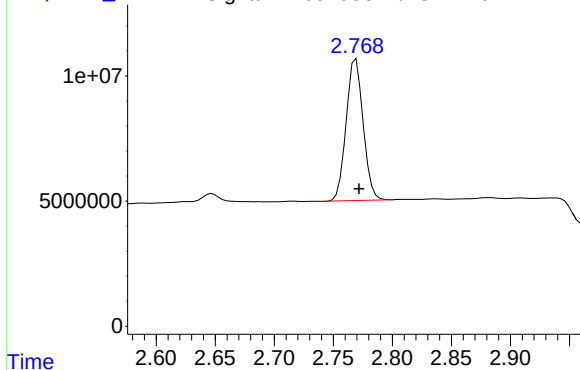
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 44292448
Conc: 15.65 ng/ml

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

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025

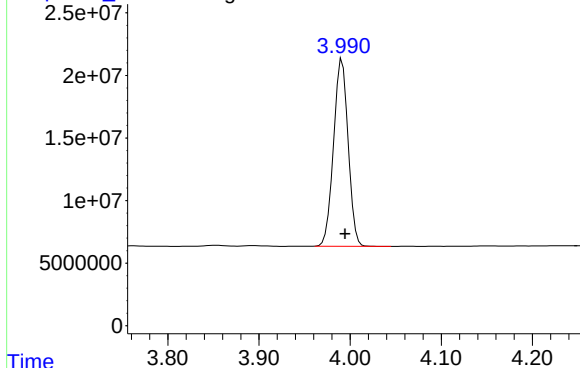
Signal: PL094936.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.003 min
Response: 56525280
Conc: 15.84 ng/ml

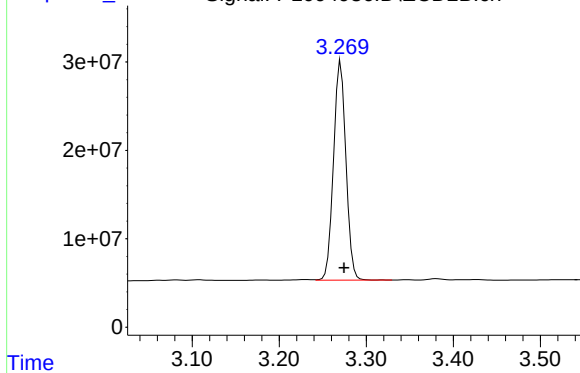
Signal: PL094936.D\ECD1A.ch



#2 alpha-BHC

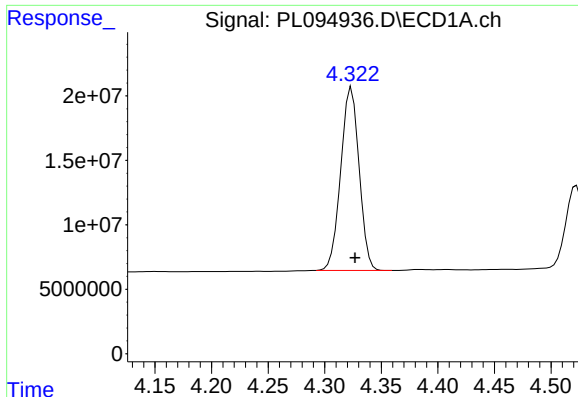
R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 166114550
Conc: 40.01 ng/ml

Signal: PL094936.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.004 min
Response: 246081365
Conc: 45.64 ng/ml



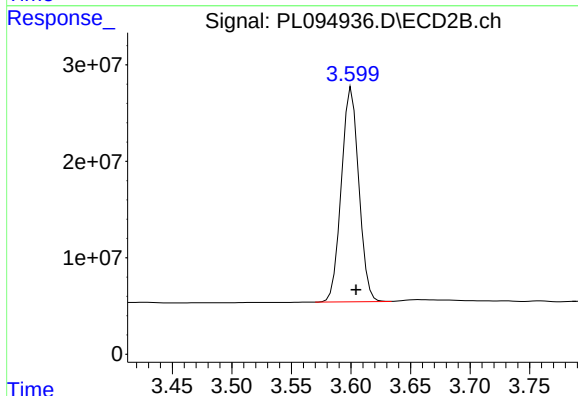
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 160380412
Conc: 40.19 ng/ml

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

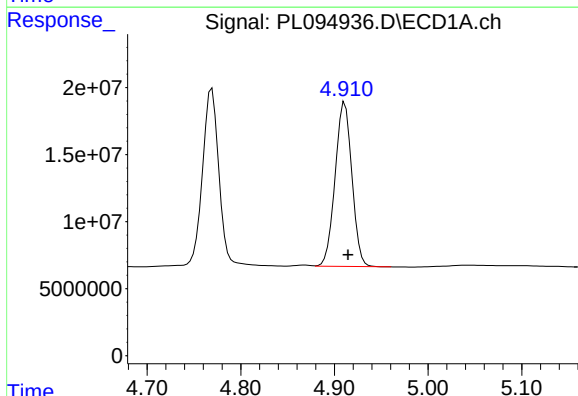
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



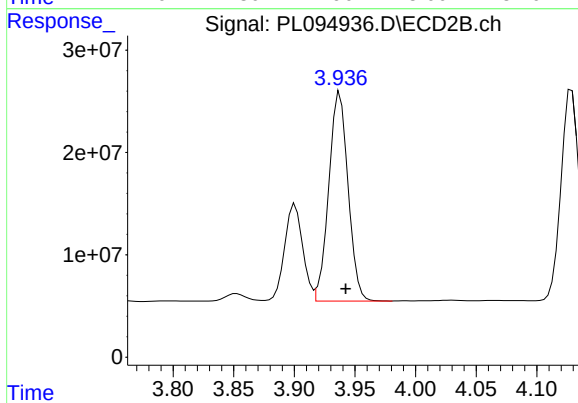
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 226299931
Conc: 44.03 ng/ml m



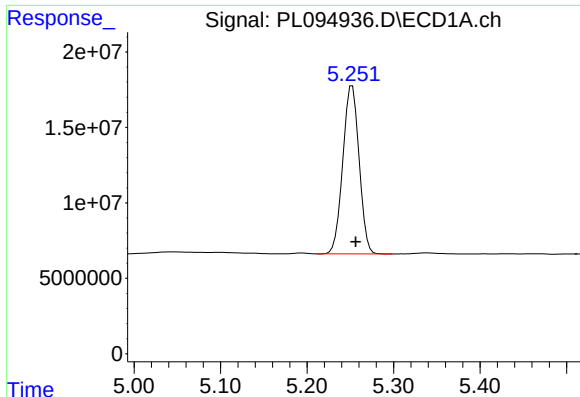
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 152728625
Conc: 39.35 ng/ml



#4 Heptachlor

R.T.: 3.938 min
Delta R.T.: -0.005 min
Response: 226305622
Conc: 42.95 ng/ml



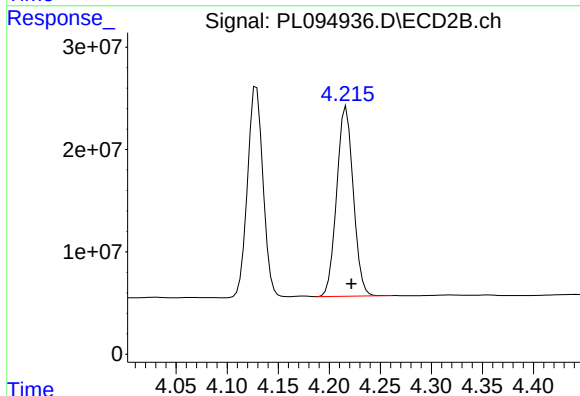
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.004 min
Response: 145023809
Conc: 39.28 ng/ml

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

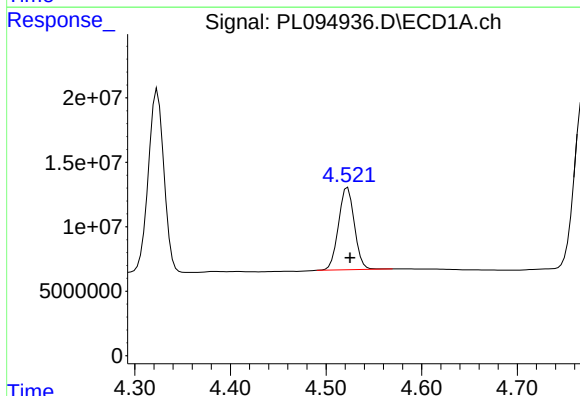
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 04/01/2025



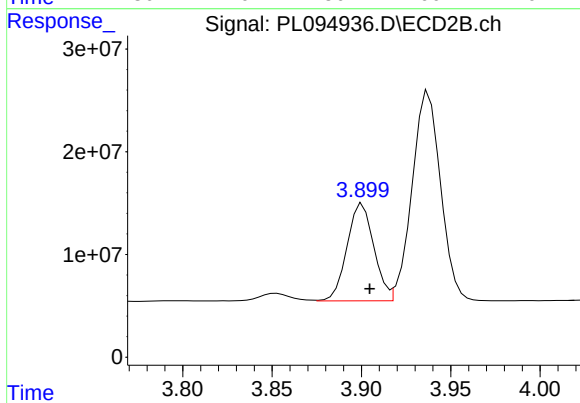
#5 Aldrin

R.T.: 4.217 min
Delta R.T.: -0.005 min
Response: 209601638
Conc: 42.98 ng/ml



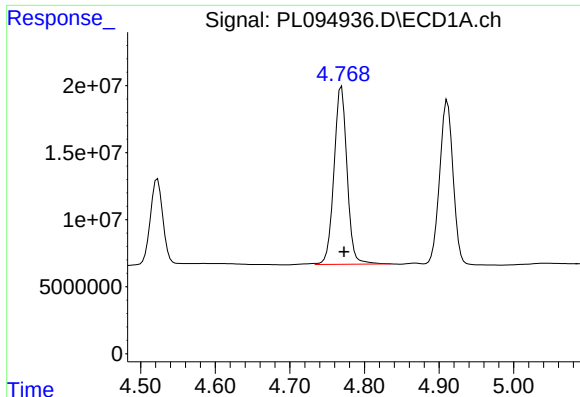
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 73966945
Conc: 40.09 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 98813793
Conc: 44.48 ng/ml



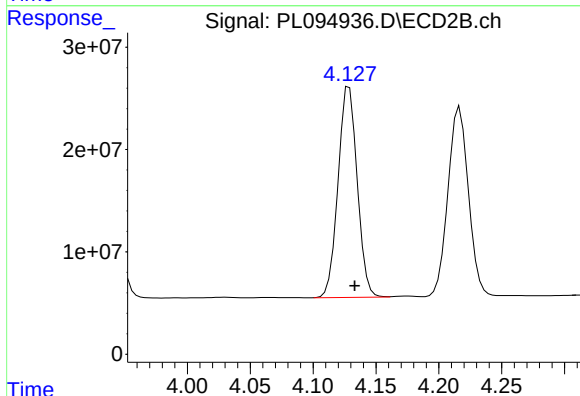
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: -0.005 min
Response: 161810507
Conc: 41.55 ng/ml

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

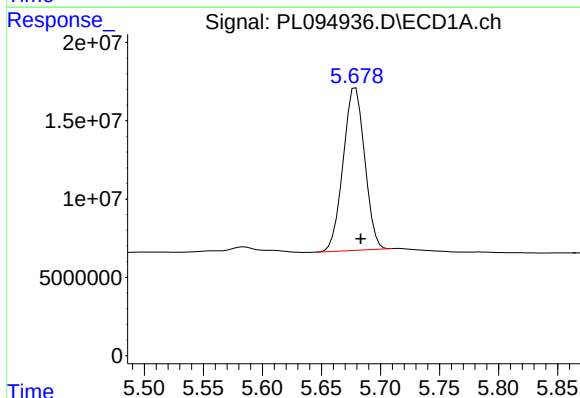
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



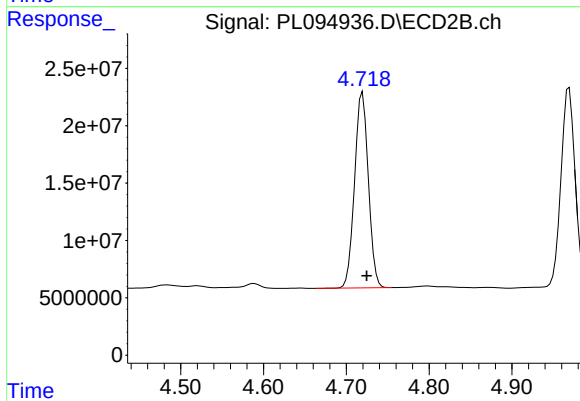
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.004 min
Response: 218204325
Conc: 43.62 ng/ml



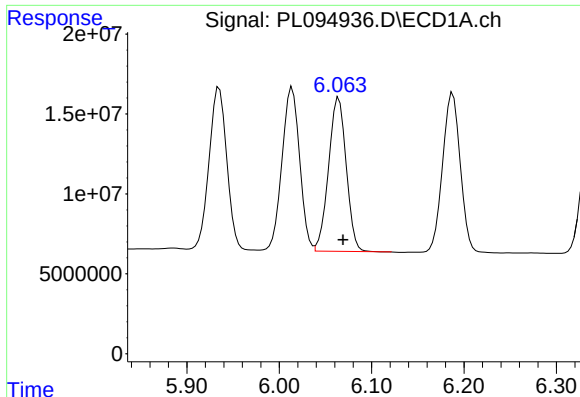
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.004 min
Response: 131479208
Conc: 39.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.720 min
Delta R.T.: -0.005 min
Response: 196836493
Conc: 42.99 ng/ml



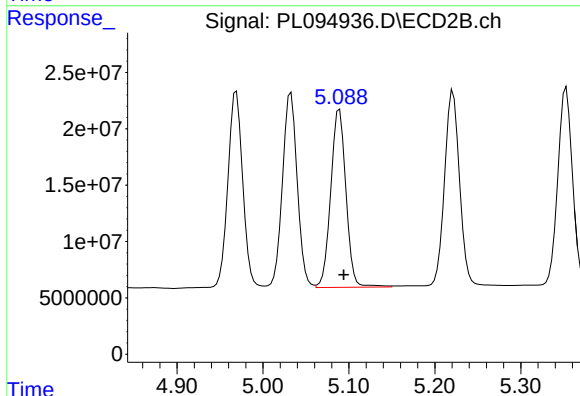
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.005 min
Response: 127872593
Conc: 41.65 ng/ml

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

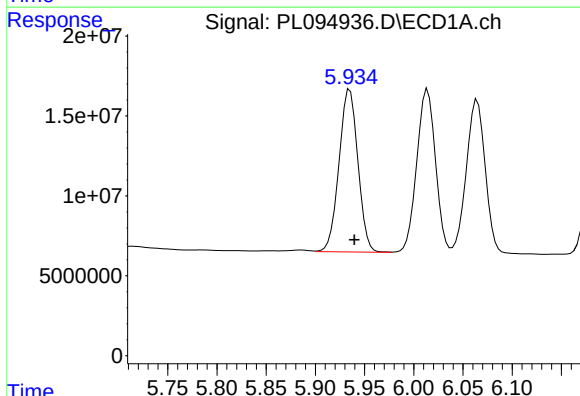
Manual Integrations
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Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



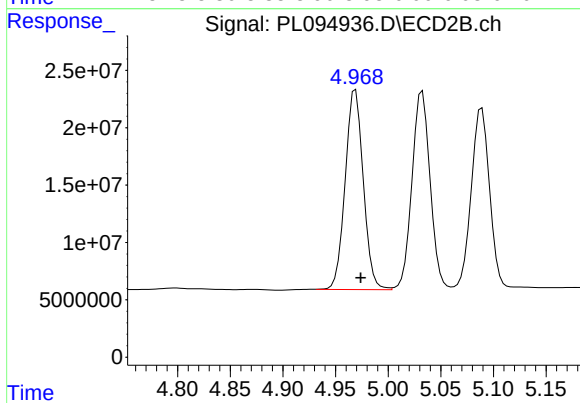
#9 Endosulfan I

R.T.: 5.089 min
Delta R.T.: -0.005 min
Response: 193905948
Conc: 44.18 ng/ml



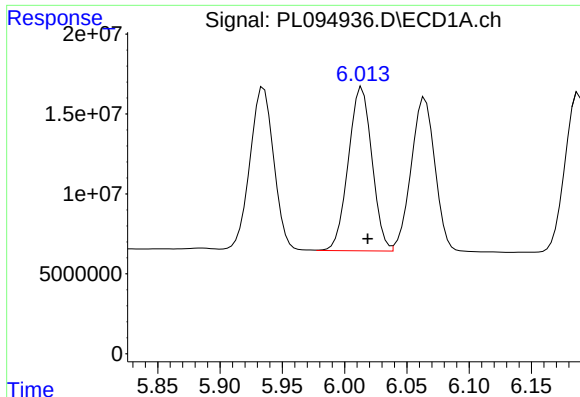
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: -0.004 min
Response: 136017640
Conc: 40.37 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 209322996
Conc: 43.35 ng/ml m



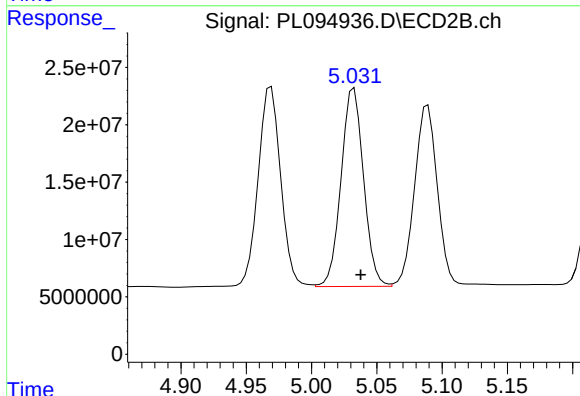
#11 alpha-Chlordane

R.T.: 6.014 min
Delta R.T.: -0.004 min
Response: 135767479
Conc: 41.18 ng/ml

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

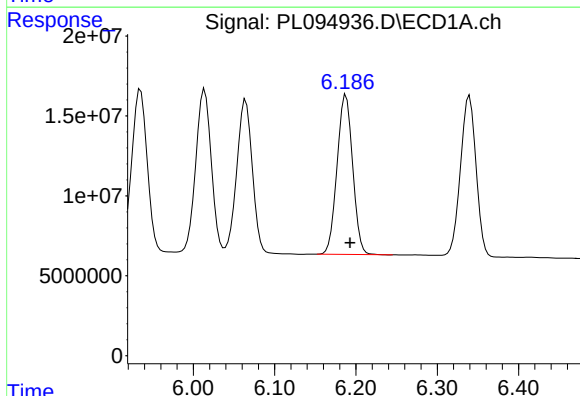
Manual Integrations
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Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



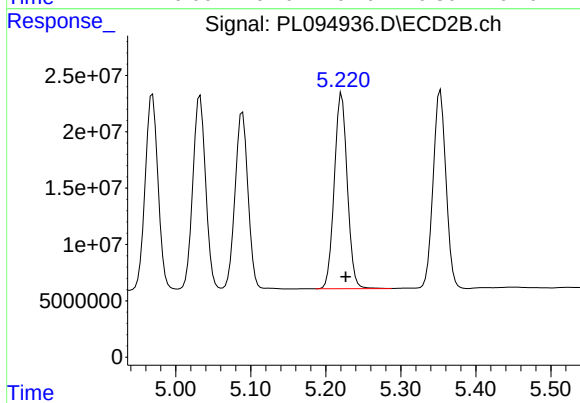
#11 alpha-Chlordane

R.T.: 5.032 min
Delta R.T.: -0.005 min
Response: 207339354
Conc: 43.44 ng/ml



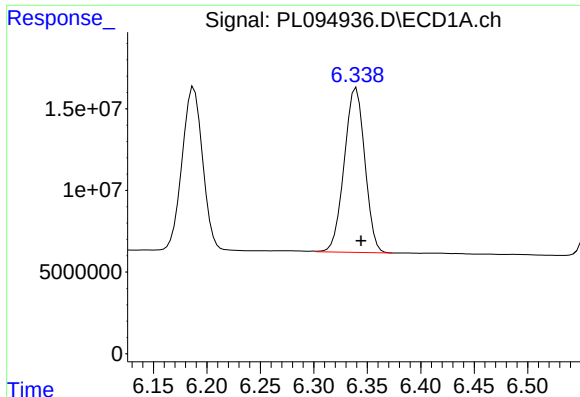
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 133135104
Conc: 45.25 ng/ml



#12 4,4'-DDE

R.T.: 5.220 min
Delta R.T.: -0.007 min
Response: 208969212
Conc: 44.95 ng/ml m



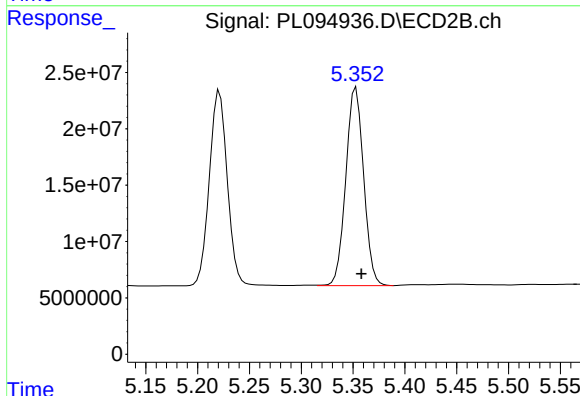
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: -0.006 min
Response: 135109692
Conc: 42.25 ng/ml

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

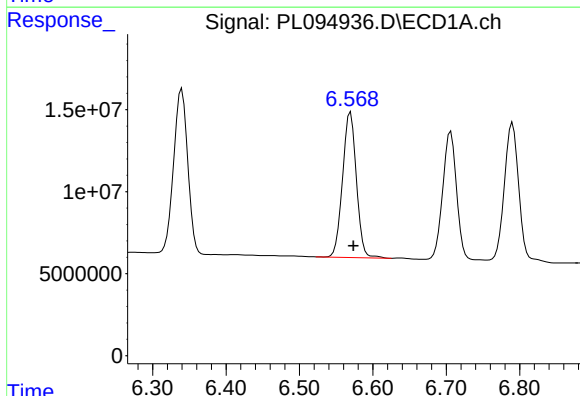
Manual Integrations
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Supervised By :mohammad ahmed 04/01/2025



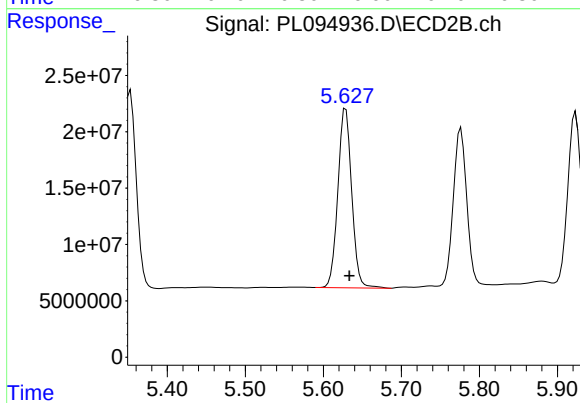
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 210322575
Conc: 43.35 ng/ml m



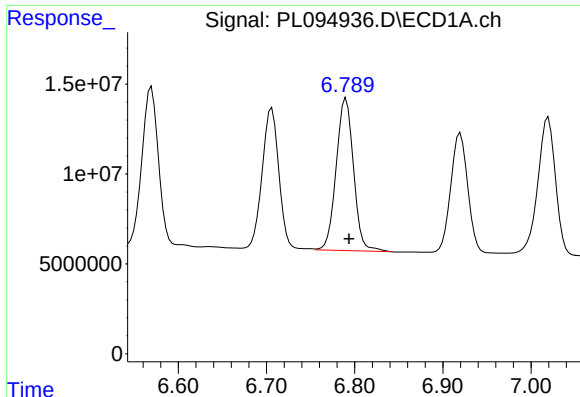
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 116092994
Conc: 41.88 ng/ml



#14 Endrin

R.T.: 5.629 min
Delta R.T.: -0.005 min
Response: 195887258
Conc: 44.89 ng/ml



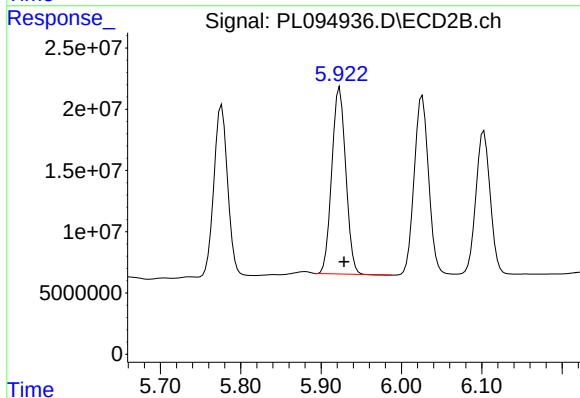
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.003 min
Response: 115664132
Conc: 42.61 ng/ml

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

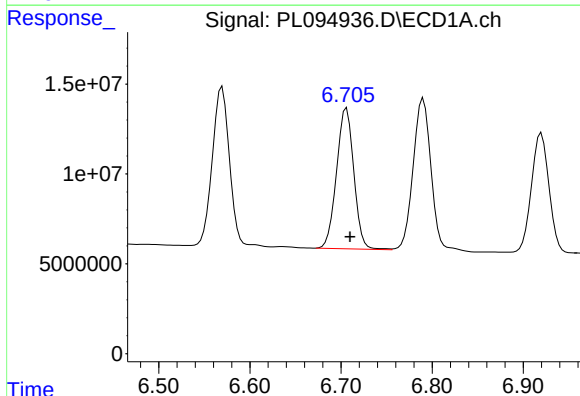
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 04/01/2025



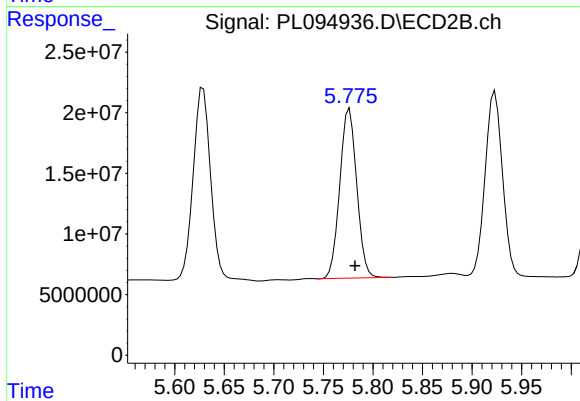
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 184206479
Conc: 42.56 ng/ml



#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 103142254
Conc: 47.62 ng/ml

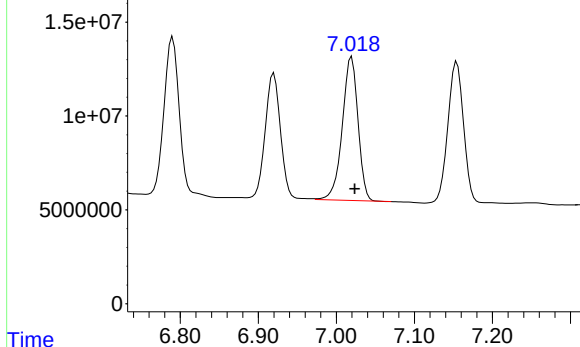


#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 166059327
Conc: 46.18 ng/ml

Response_ Signal: PL094936.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 106839116
Conc: 44.92 ng/ml

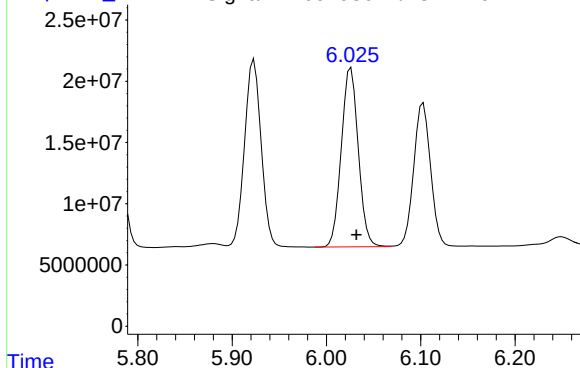
Instrument :
ECD_L
ClientSampleId :
P001-BBDGA-001-01MSD

Manual Integrations
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Reviewed By :Abdul Mirza 03/31/2025
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Time Response_ Signal: PL094936.D\ECD2B.ch

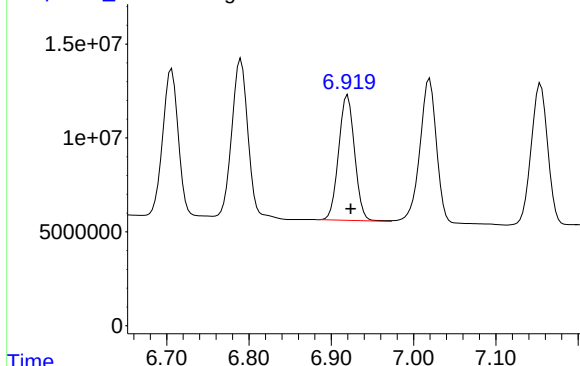
#17 4,4'-DDT



R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 183035514
Conc: 45.39 ng/ml

Time Response_ Signal: PL094936.D\ECD1A.ch

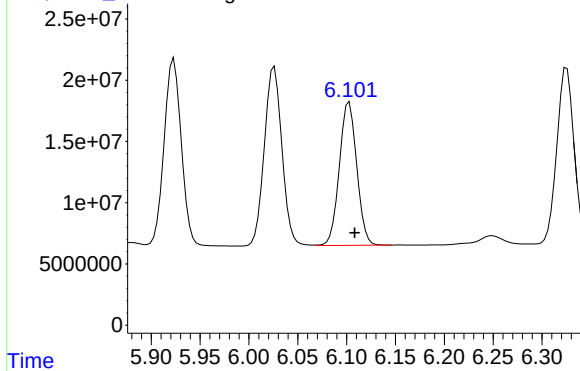
#18 Endrin aldehyde



R.T.: 6.920 min
Delta R.T.: -0.004 min
Response: 90045459
Conc: 42.66 ng/ml

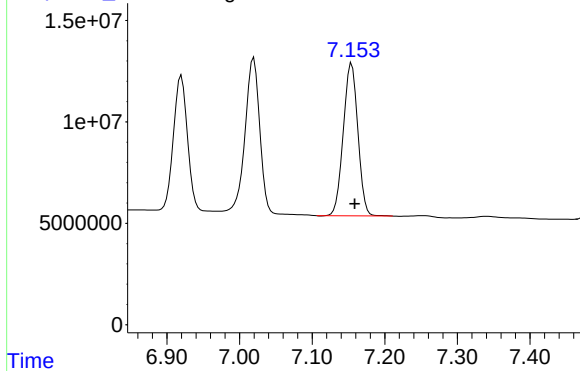
Time Response_ Signal: PL094936.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 145123952
Conc: 43.12 ng/ml

Signal: PL094936.D\ECD1A.ch



#19 Endosulfan Sulfate

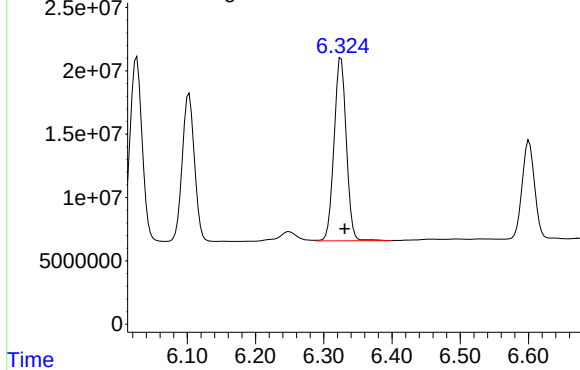
R.T.: 7.154 min
Delta R.T.: -0.004 min
Response: 105159308
Conc: 43.24 ng/ml

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

Manual Integrations
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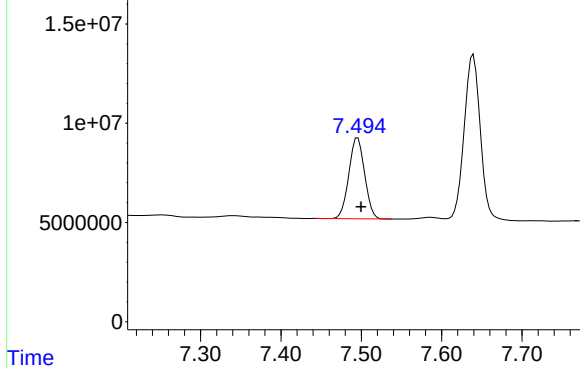
Signal: PL094936.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.005 min
Response: 180135575
Conc: 44.22 ng/ml

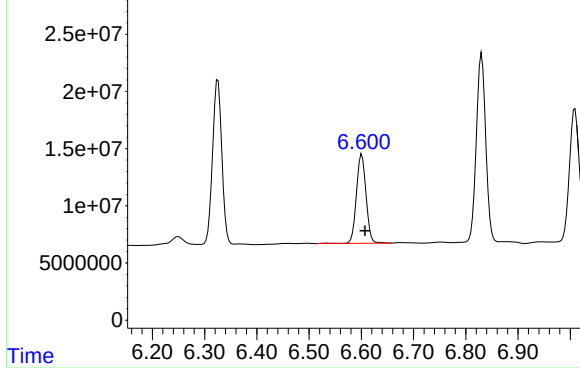
Signal: PL094936.D\ECD1A.ch



#20 Methoxychlor

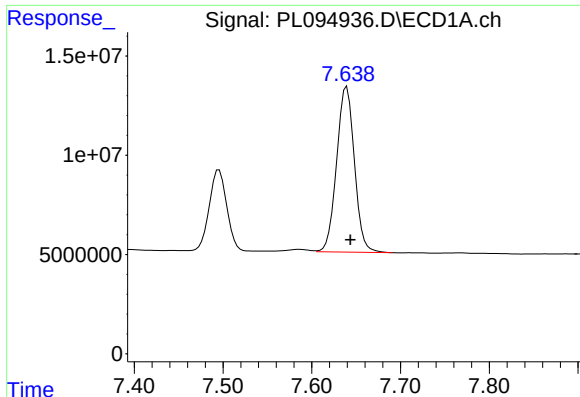
R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 55760020
Conc: 46.58 ng/ml

Signal: PL094936.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 99405420
Conc: 46.87 ng/ml



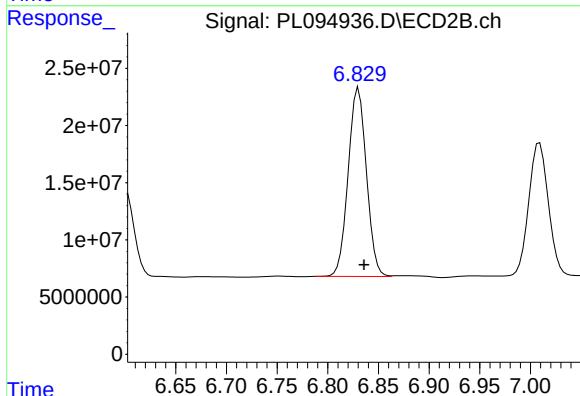
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.004 min
Response: 116044276
Conc: 43.90 ng/ml

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

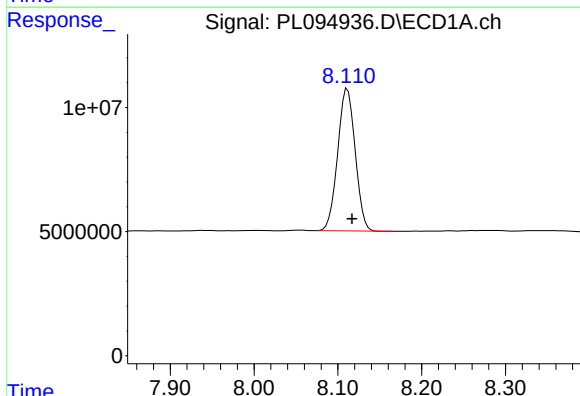
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/31/2025
Supervised By :mohammad ahmed 04/01/2025



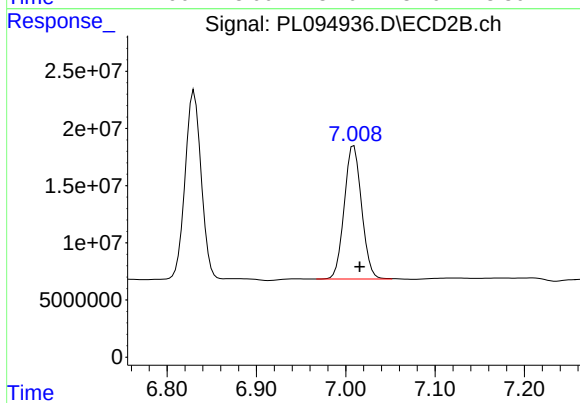
#21 Endrin ketone

R.T.: 6.829 min
Delta R.T.: -0.007 min
Response: 206580754
Conc: 43.28 ng/ml m



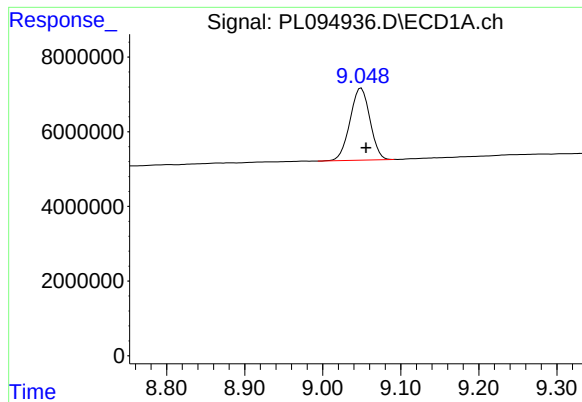
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.005 min
Response: 83104307
Conc: 40.22 ng/ml



#22 Mirex

R.T.: 7.008 min
Delta R.T.: -0.008 min
Response: 157463461
Conc: 41.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.006 min
Response: 34250223
Conc: 16.25 ng/ml

Instrument :

ECD_L

ClientSampleId :

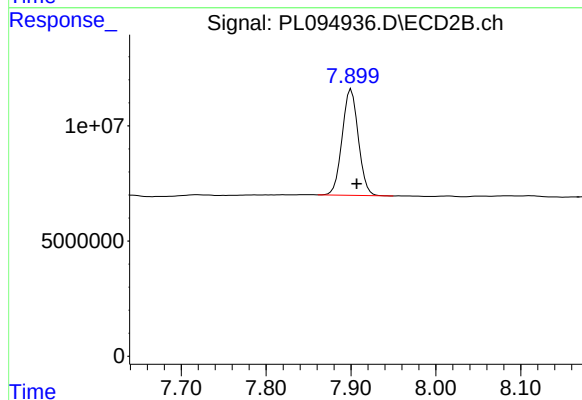
P001-BBDGA-001-01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/31/2025

Supervised By :mohammad ahmed 04/01/2025



#28 Decachlorobiphenyl

R.T.: 7.900 min
Delta R.T.: -0.007 min
Response: 60786073
Conc: 15.05 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:

pl032825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094930.D	4,4"-DDD	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	4,4"-DDD #2	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	Endrin	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	Endrin aldehyde	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	Endrin ketone	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	Endrin ketone #2	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	gamma-BHC (Lindane) #2	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PEM	PL094930.D	Methoxychlor #2	Abdul	3/31/2025 5:39:48 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094931.D	4,4"-DDE #2	Abdul	3/31/2025 5:39:57 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094931.D	Dieldrin #2	Abdul	3/31/2025 5:39:57 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094931.D	Endrin	Abdul	3/31/2025 5:39:57 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094931.D	Endrin ketone #2	Abdul	3/31/2025 5:39:57 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094931.D	gamma-BHC (Lindane) #2	Abdul	3/31/2025 5:39:57 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software

Manual Integration Report

Sequence:	pl032825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167367BS	PL094933.D	4,4"-DDE #2	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Dieldrin #2	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Endrin	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Endrin ketone #2	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Heptachlor epoxide	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Methoxychlor #2	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PB167367BS	PL094933.D	Mirex #2	Abdul	3/31/2025 5:40:01 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-02MS	PL094935.D	alpha-BHC #2	Abdul	3/31/2025 5:40:05 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-02MS	PL094935.D	Endrin	Abdul	3/31/2025 5:40:05 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-02MS	PL094935.D	Endrin ketone #2	Abdul	3/31/2025 5:40:05 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-02MS	PL094935.D	gamma-BHC (Lindane) #2	Abdul	3/31/2025 5:40:05 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-02MS	PL094935.D	Methoxychlor #2	Abdul	3/31/2025 5:40:05 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	4,4"-DDE #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software

Manual Integration Report

Sequence:	pl032825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1664-03MSD	PL094936.D	delta-BHC	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	Dieldrin	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	Dieldrin #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	Endrin ketone #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	gamma-BHC (Lindane) #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	gamma-Chlordane #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-03MSD	PL094936.D	Mirex #2	Abdul	3/31/2025 5:40:08 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-07	PL094937.D	Tetrachloro-m-xylene #2	Abdul	3/31/2025 5:40:11 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
Q1664-21	PL094944.D	Tetrachloro-m-xylene	Abdul	3/31/2025 5:40:14 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	4,4"-DDD #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	4,4"-DDE #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	Dieldrin #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	Endrin	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software

Manual Integration Report

Sequence:

pl032825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094947.D	Endrin #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	Endrin ketone #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	Peak Integrated by Software
PSTDCCC050	PL094947.D	gamma-BHC (Lindane) #2	Abdul	3/31/2025 5:40:18 PM	mohammad	4/1/2025 1:29:49	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,PP24258,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24258,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,PP24258,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 # PL032825

Review By	Abdul	Review On	3/31/2025 5:40:44 PM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:49 AM
SubDirectory	PL032825	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,PP24258,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094928.D	28 Mar 2025 11:35	AR\AJ	Ok
2	I.BLK	PL094929.D	28 Mar 2025 11:49	AR\AJ	Ok
3	PEM	PL094930.D	28 Mar 2025 12:02	AR\AJ	Ok,M
4	PSTDCCC050	PL094931.D	28 Mar 2025 13:11	AR\AJ	Ok,M
5	PB167367BL	PL094932.D	28 Mar 2025 13:24	AR\AJ	Ok
6	PB167367BS	PL094933.D	28 Mar 2025 13:38	AR\AJ	Ok,M
7	Q1664-01	PL094934.D	28 Mar 2025 13:52	AR\AJ	Ok
8	Q1664-02MS	PL094935.D	28 Mar 2025 14:05	AR\AJ	Ok,M
9	Q1664-03MSD	PL094936.D	28 Mar 2025 14:19	AR\AJ	Ok,M
10	Q1664-07	PL094937.D	28 Mar 2025 14:33	AR\AJ	Ok,M
11	Q1664-09	PL094938.D	28 Mar 2025 14:46	AR\AJ	Ok
12	Q1664-11	PL094939.D	28 Mar 2025 15:00	AR\AJ	Ok
13	Q1664-13	PL094940.D	28 Mar 2025 15:14	AR\AJ	Ok
14	Q1664-15	PL094941.D	28 Mar 2025 15:27	AR\AJ	Ok
15	Q1664-17	PL094942.D	28 Mar 2025 15:41	AR\AJ	Ok
16	Q1664-19	PL094943.D	28 Mar 2025 15:54	AR\AJ	Ok
17	Q1664-21	PL094944.D	28 Mar 2025 16:08	AR\AJ	Ok,M
18	Q1671-01	PL094945.D	28 Mar 2025 16:22	AR\AJ	Ok,M
19	I.BLK	PL094946.D	28 Mar 2025 16:35	AR\AJ	Ok
20	PSTDCCC050	PL094947.D	28 Mar 2025 16:49	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,PP24258,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM
SubDirectory	PL031125	HP Acquire Method	HP Processing Method pl031125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24258,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,PP24258,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 # PL032825

Review By	Abdul	Review On	3/31/2025 5:40:44 PM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:49 AM
SubDirectory	PL032825	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,PP24258,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	PL094928.D	28 Mar 2025 11:35		AR\AJ	Ok
2	I.BLK	I.BLK	PL094929.D	28 Mar 2025 11:49		AR\AJ	Ok
3	PEM	PEM	PL094930.D	28 Mar 2025 12:02		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094931.D	28 Mar 2025 13:11		AR\AJ	Ok,M
5	PB167367BL	PB167367BL	PL094932.D	28 Mar 2025 13:24		AR\AJ	Ok
6	PB167367BS	PB167367BS	PL094933.D	28 Mar 2025 13:38		AR\AJ	Ok,M
7	Q1664-01	P001-BBDGA-001-01	PL094934.D	28 Mar 2025 13:52		AR\AJ	Ok
8	Q1664-02MS	P001-BBDGA-001-01M	PL094935.D	28 Mar 2025 14:05		AR\AJ	Ok,M
9	Q1664-03MSD	P001-BBDGA-001-01M	PL094936.D	28 Mar 2025 14:19		AR\AJ	Ok,M
10	Q1664-07	P001-BBDGA-001-02	PL094937.D	28 Mar 2025 14:33		AR\AJ	Ok,M
11	Q1664-09	P001-BBDGA-002-01	PL094938.D	28 Mar 2025 14:46		AR\AJ	Ok
12	Q1664-11	P001-BBDGA-003-01	PL094939.D	28 Mar 2025 15:00		AR\AJ	Ok
13	Q1664-13	P001-BBDGA-004-01	PL094940.D	28 Mar 2025 15:14		AR\AJ	Ok
14	Q1664-15	P001-BBDGA-005-01	PL094941.D	28 Mar 2025 15:27		AR\AJ	Ok
15	Q1664-17	P001-BBDGA-006-01	PL094942.D	28 Mar 2025 15:41		AR\AJ	Ok
16	Q1664-19	P001-BBDGA-007-01	PL094943.D	28 Mar 2025 15:54		AR\AJ	Ok
17	Q1664-21	P001-BBDGA-008-01	PL094944.D	28 Mar 2025 16:08		AR\AJ	Ok,M
18	Q1671-01	WC-1	PL094945.D	28 Mar 2025 16:22		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL032825

Review By	Abdul	Review On	3/31/2025 5:40:44 PM
Supervise By	mohammad	Supervise On	4/1/2025 1:29:49 AM
SubDirectory	PL032825	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,PP24258,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	PL094946.D	28 Mar 2025 16:35		AR\AJ	Ok
20	PSTDCCC050	PSTDCCC050	PL094947.D	28 Mar 2025 16:49	Comp#16 recovery high in 2nd column	AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 03/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135218

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1664-01	P001-BBDGA-001-01	1	1.15	11.21	12.36	11.44	91.8	
Q1664-02	Q1664-01MS	2	1.15	11.21	12.36	11.44	91.8	
Q1664-03	Q1664-01MSD	3	1.15	11.21	12.36	11.44	91.8	
Q1664-07	P001-BBDGA-001-02	4	1.15	10.16	11.31	10.5	92.0	
Q1664-09	P001-BBDGA-002-01	5	1.16	10.35	11.51	10.84	93.5	
Q1664-11	P001-BBDGA-003-01	6	1.18	10.46	11.64	11.08	94.6	
Q1664-13	P001-BBDGA-004-01	7	1.13	10.13	11.26	10.79	95.4	
Q1664-15	P001-BBDGA-005-01	8	1.19	10.75	11.94	11.05	91.7	
Q1664-17	P001-BBDGA-006-01	9	1.19	10.99	12.18	11.51	93.9	
Q1664-19	P001-BBDGA-007-01	10	1.18	10.24	11.42	10.68	92.8	
Q1664-21	P001-BBDGA-008-01	11	1.14	11.34	12.48	11.8	94.0	
Q1671-01	WC-1	12	1.15	10.43	11.58	9.86	83.5	
Q1671-02	WC-1-EPH	13	1.16	10.32	11.48	10.02	85.9	
Q1671-03	WC-1-VOC	14	1.18	10.53	11.71	10.12	84.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB 135218

WorkList Name : %1-032725

WorkList ID : 188585

Department : Wet-Chemistry

Date : 03-27-2025 08:23:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-01	P001-BBDGA-001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-02	Q1664-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-03	Q1664-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-07	P001-BBDGA-001-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-09	P001-BBDGA-002-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-11	P001-BBDGA-003-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-13	P001-BBDGA-004-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-15	P001-BBDGA-005-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-17	P001-BBDGA-006-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-19	P001-BBDGA-007-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-21	P001-BBDGA-008-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1671-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/26/2025	Chemtech -SO
Q1671-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1671-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO

Date/Time 03/27/25 15:25

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: [Signature]

Date/Time 03/27/25 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: JB WOC

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Welgh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction Start Date : 03/28/2025

Extraction Start Time : 08:53

Extraction End Date : 03/28/2025

Extraction End Time : 11:50

Concentration By: EH

Supervisor By : rajesh

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
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2595
Sand	N/A	E2865
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/28/25	RP (Ext. Lab)	Y-P. P. H. P. C.
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/28/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167367BL	PBLK367	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167367BS	PLCS367	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1664-01	P001-BBDGA-001-01	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	G		3
Q1664-02	Q1664-01MS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	G		4
Q1664-03	Q1664-01MSD	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	G		5
Q1664-07	P001-BBDGA-001-02	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	G		6
Q1664-09	P001-BBDGA-002-01	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	G		U6-1
Q1664-11	P001-BBDGA-003-01	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	G		2
Q1664-13	P001-BBDGA-004-01	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	G		3
Q1664-15	P001-BBDGA-005-01	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	G		4
Q1664-17	P001-BBDGA-006-01	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	G		5
Q1664-19	P001-BBDGA-007-01	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	G		6
Q1664-21	P001-BBDGA-008-01	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	G		U3-1
Q1671-01	WC-1	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2

* Extracts relinquished on the same date as received.

3/28/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1671

WorkList ID : 188604

Department : Extraction

Date : 03-28-2025 08:08:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-01	P001-BBDGA-001-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-02	Q1664-01MS	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-03	Q1664-01MSD	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-07	P001-BBDGA-001-02	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-09	P001-BBDGA-002-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-11	P001-BBDGA-003-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-13	P001-BBDGA-004-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-15	P001-BBDGA-005-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-17	P001-BBDGA-006-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-19	P001-BBDGA-007-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1664-21	P001-BBDGA-008-01	Solid	Pesticide-TCL	Cool 4 deg C	ROYF02	I31	03/26/2025	8081B
Q1671-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	I31	03/27/2025	8081B

Date/Time 03/28/25 8:50

Raw Sample Received by: RJ (Det 10)

Raw Sample Relinquished by: SA 154

Date/Time 03/28/25 9:15

Raw Sample Received by: SA 154

Raw Sample Relinquished by: RJ (Det 10)

Prep Standard - Chemical Standard Summary

Order ID : Q1664

Test : Pesticide-TCL

Prepbatch ID : PB167367,

Sequence ID/Qc Batch ID: pl032825,

Standard ID :

EP2592,EP2595,PP23733,PP23793,PP24095,PP24217,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP
24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP2
4277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24284,PP24285,

Chemical ID :

E2865,E3551,E3805,E3806,E3847,E3876,E3877,E3914,P12603,P 12611,P13037,P13040,P13195,P13245,P13350,P13
354,P13405,P13785,P13861,P9052,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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	EP2595	03/17/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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>
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

<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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 /	02/12/2025 / Rajesh	E3876

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)	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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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	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

CHEMICAL RECEIPT LOG BOOK

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

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

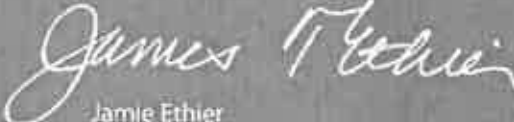
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
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

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



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



Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 2/12/25

E 3876



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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:

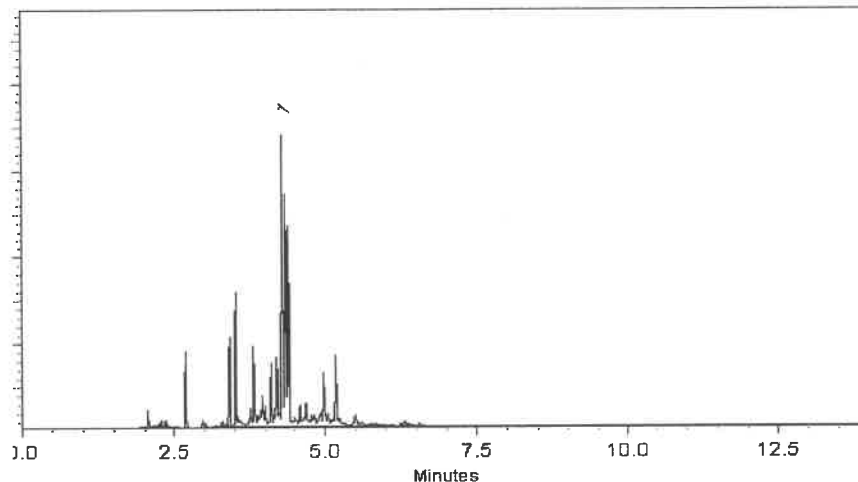
ECD

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



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1 µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0 µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1 µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0 µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

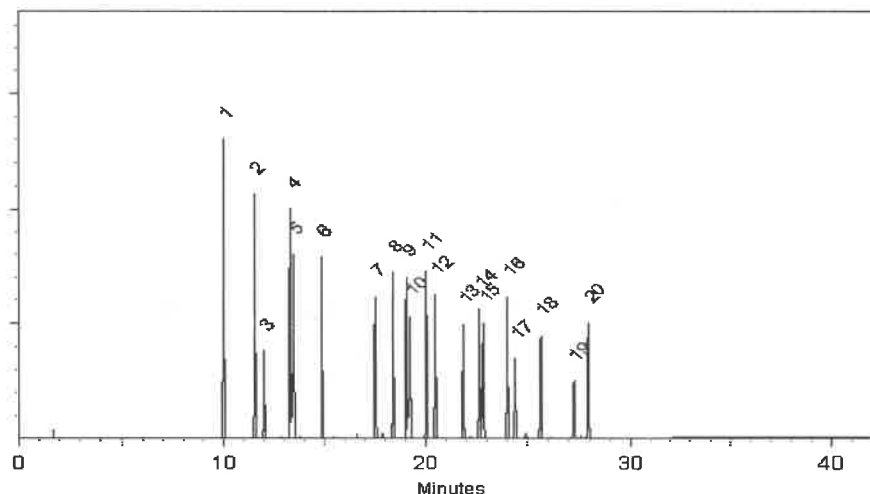
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone
Lot#: 81025

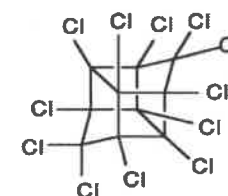
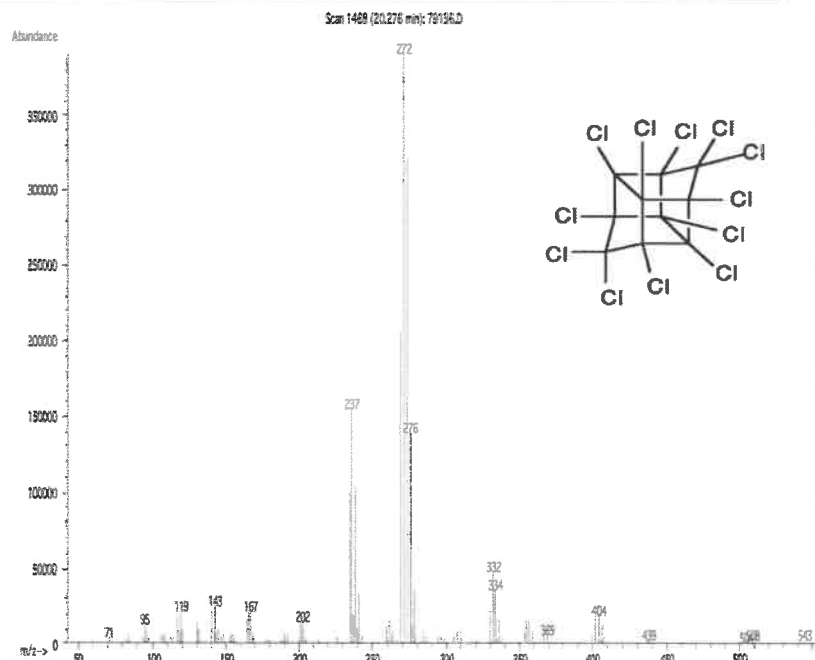
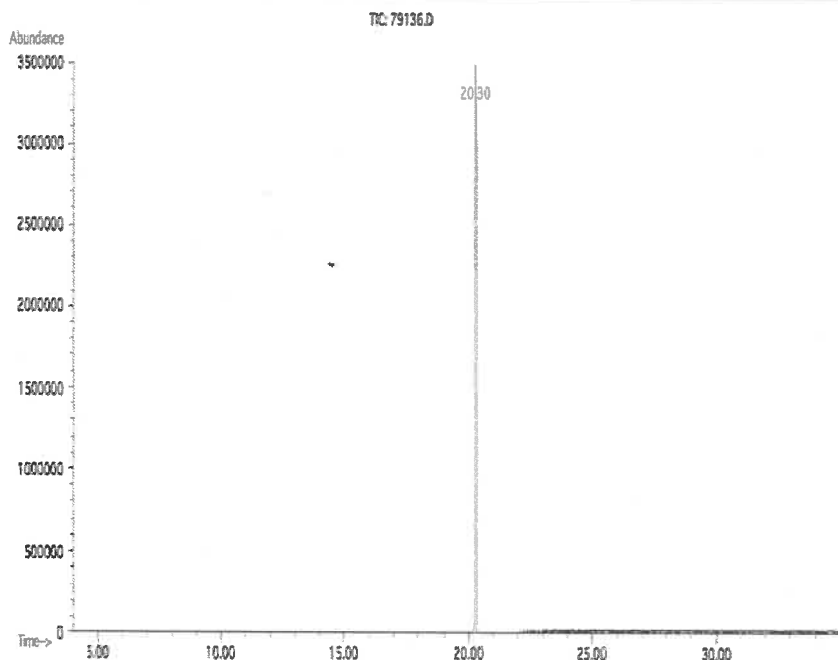
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



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]
✓ Raut
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:

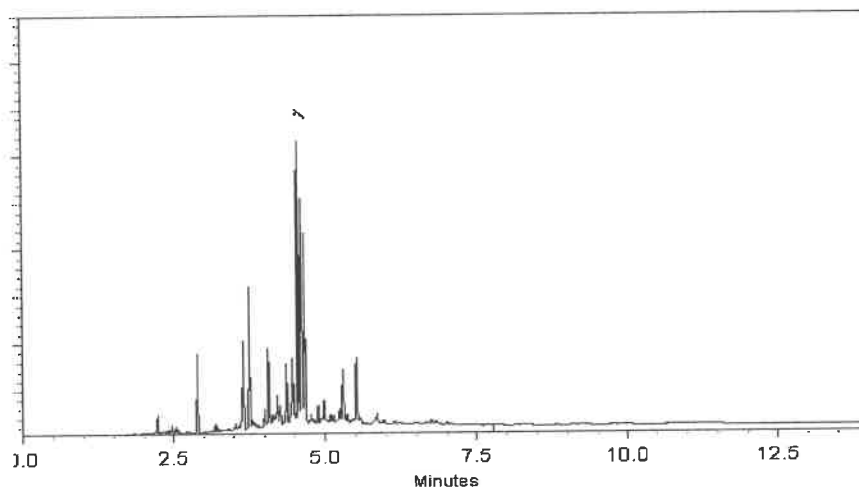
ECD

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

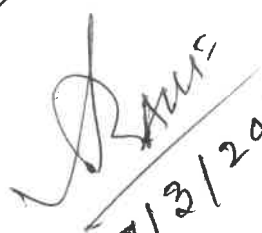
Date Mixed: 11-May-2023

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.)

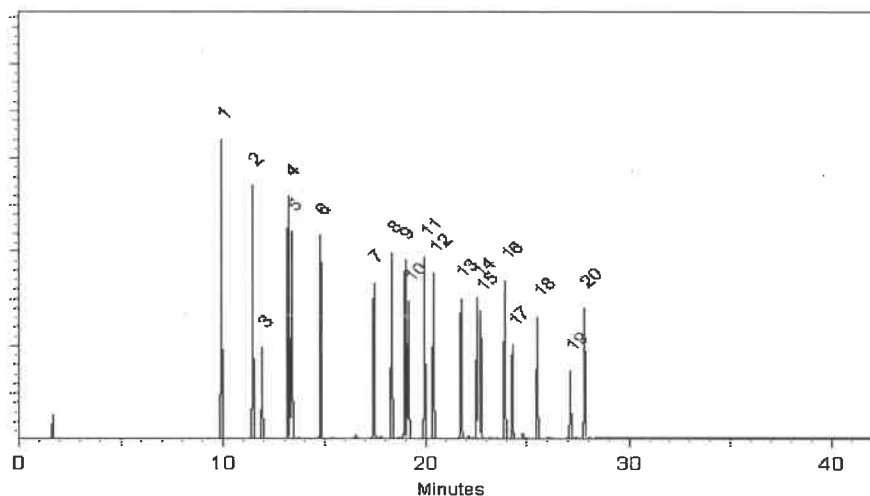
Inj. Temp:
200°C

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:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-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)	or-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	or-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)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-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	or-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

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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:

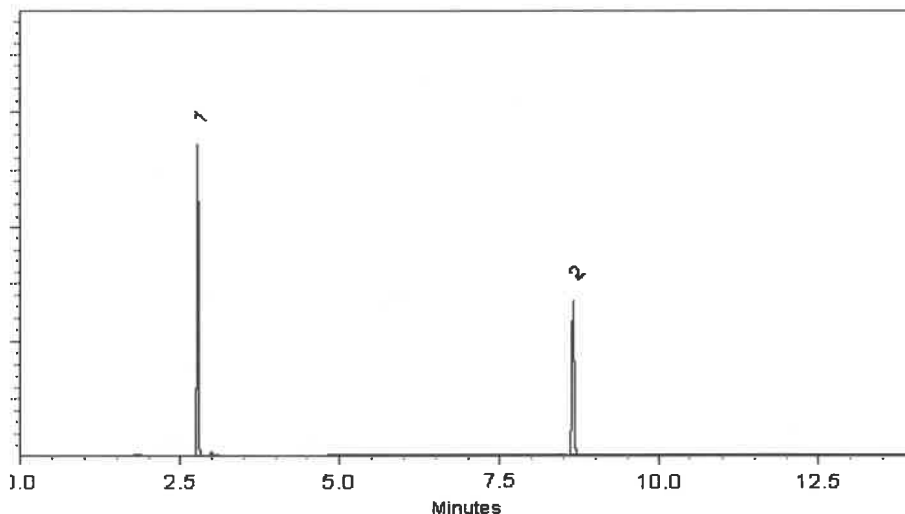
ECD

Split Vent:

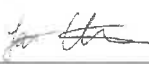
10 ml/min.

Inj. Vol

1µl

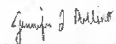


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

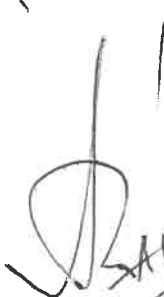
Balance Serial # 1128360905


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
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

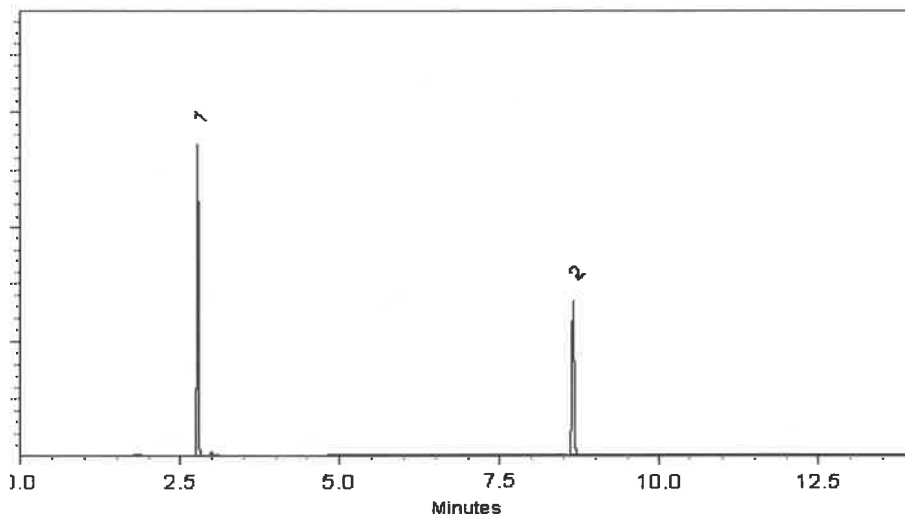
ECD

Split Vent:

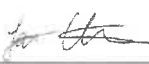
10 ml/min.

Inj. Vol

1µl

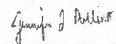


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

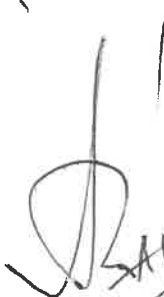
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


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
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

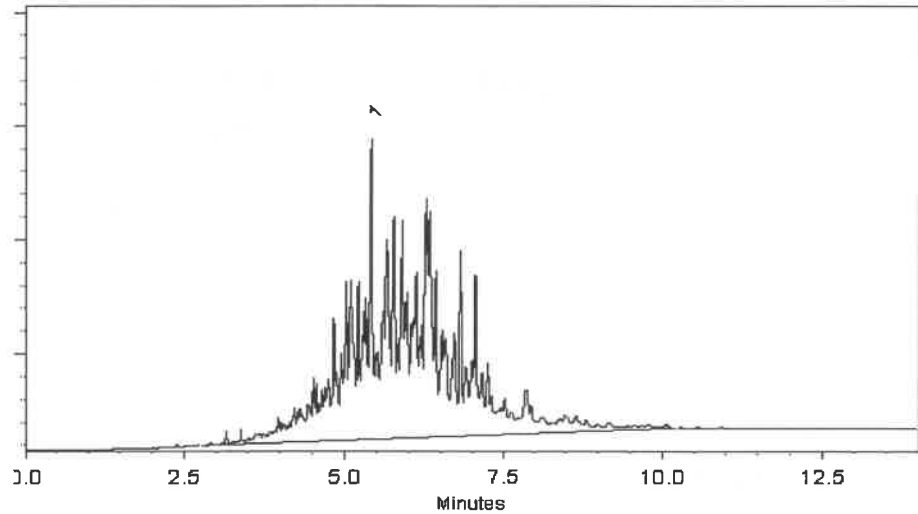
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

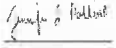


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

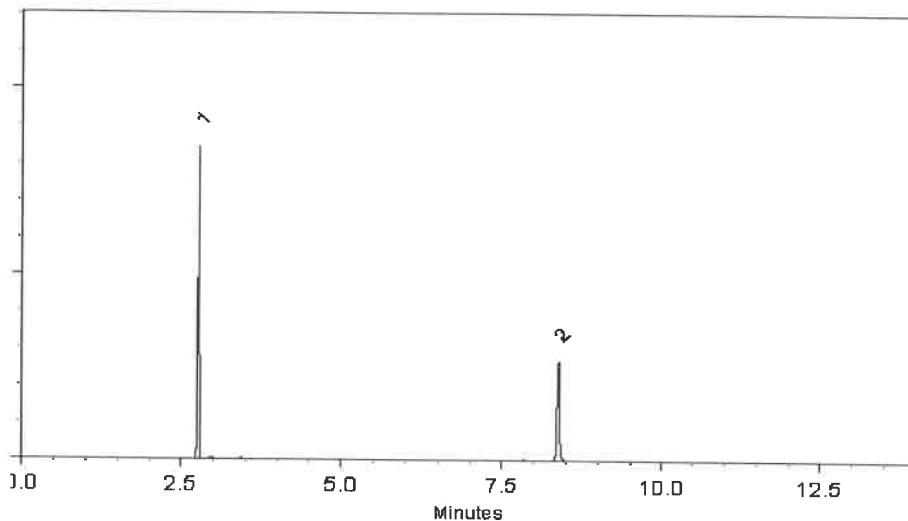
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

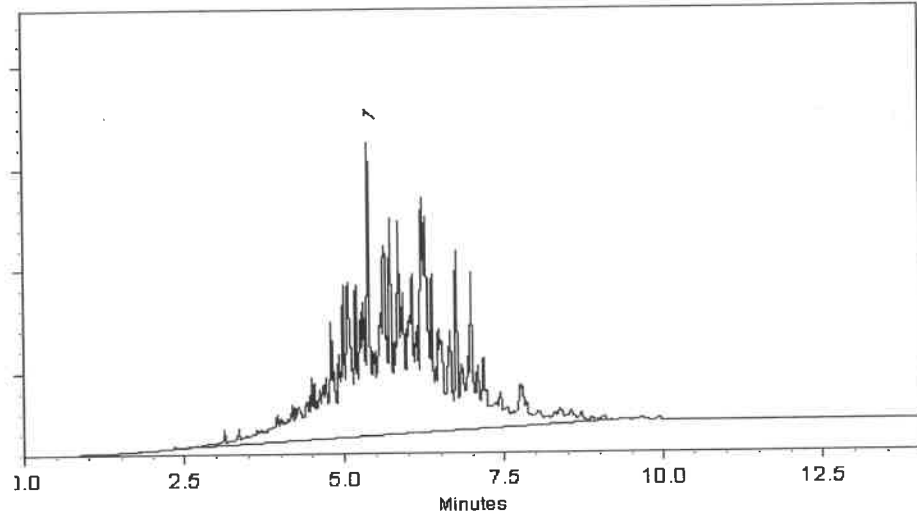
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

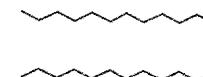
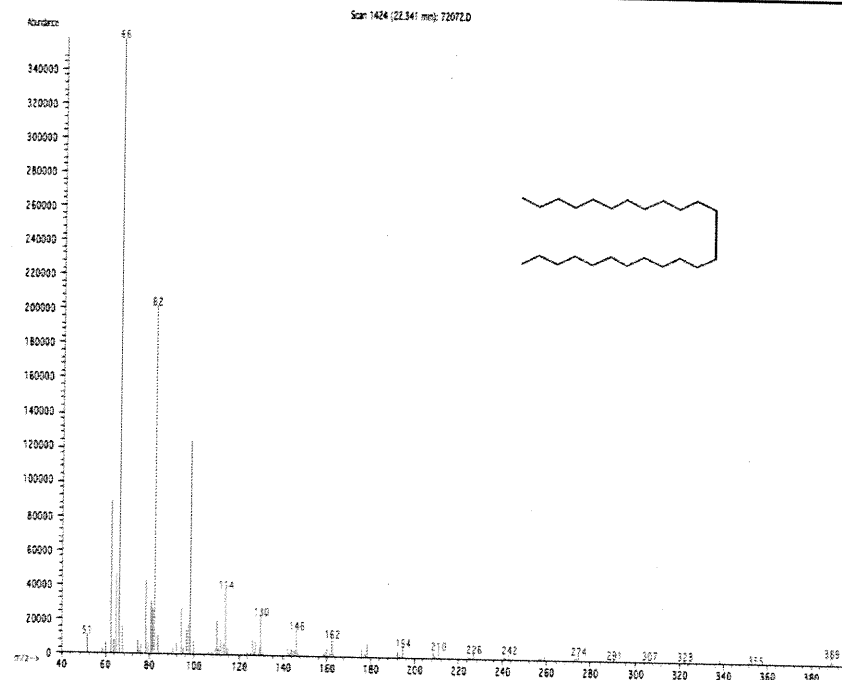
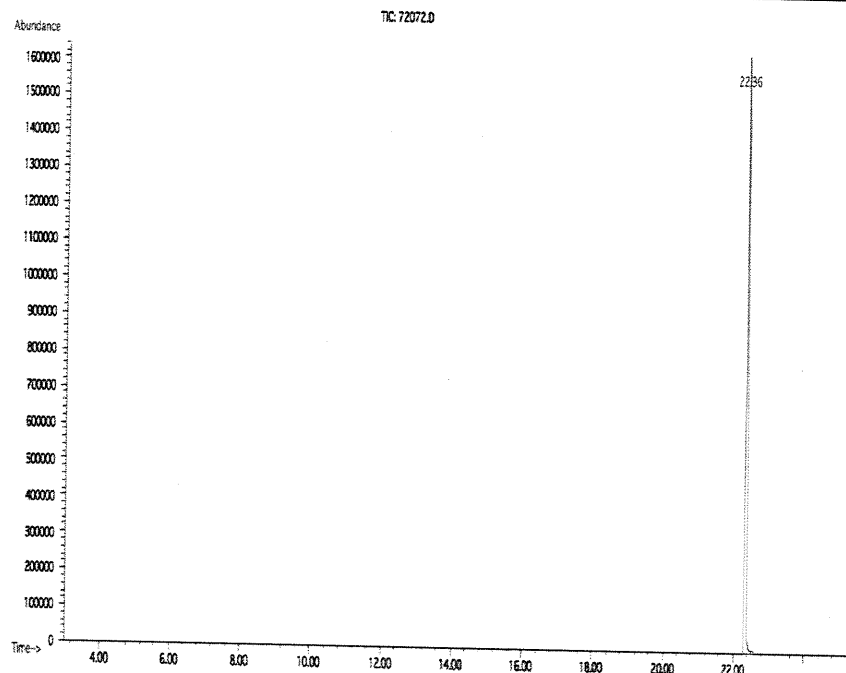
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

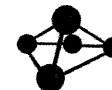
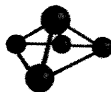
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

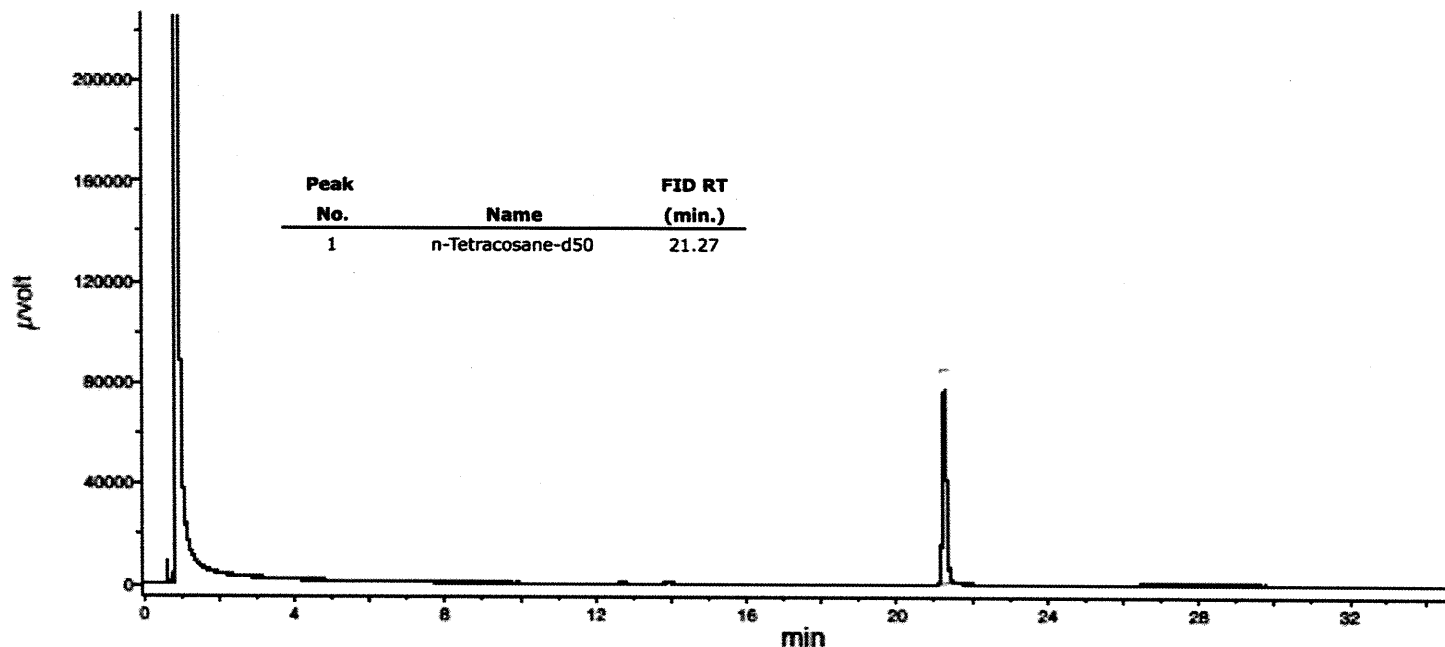
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

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

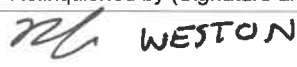
Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservati ve	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	 WESTON	8:35 3-27-25		8:35 3-27-25	IF Gen #1 2.14 no Custody Seal Temp Blank present

Q1669

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

Q1669

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 Total 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>[Signature]</i> WESTON	0835 3/27/25	<i>[Signature]</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 ^u 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-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 Back 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	 WESTON	3/27/25 0835		8:35 3-27-25	IF Cont #1 2-1-4 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 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-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	 WESTON	0835 3/27/25		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	VOC-TCLVOA-10		8260D	10 Bus. Days	

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