

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RFP 918

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

ORDER ID : Q3321
ATTENTION : Smita Sumbaly



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
P001-DS-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: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 918
Project # N/A
Order ID # Q3321
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 10/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCLP Pesticide. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df,; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

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

E. Additional Comments:

F. Calculation for water sample:

$$\text{Concentration ug/L} = \frac{(A_x) (V_t) (DF) (GPC)}{(CF) (V_o) (V_i)}$$

Where,

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



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

Vo = Volume of water extracted in mL

Vt = Volume of the concentrated extract in uL

Vi = Volume of extract injected (uL).

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

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup

DF = Dilution Factor

G. Manual Integration Comments:

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

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

Signature_____

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

ORDER ID: Q3321

MATRIX: TCLP

METHOD: 8081B/3510/1311

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

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: 10/17/2025

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	PCB	8082A	10/08/25	10/10/25	10/10/25	10/09/25
			Pesticide-TCL	8081B		10/10/25	10/10/25	
Q3321-02	P001-DS-01	TCLP	TCLP Herbicide	8151A	10/08/25	10/14/25	10/14/25	10/09/25
			TCLP Pesticide	8081B		10/14/25	10/14/25	
Q3321-02RE	P001-DS-01RE	TCLP	TCLP Herbicide	8151A	10/08/25	10/14/25	10/16/25	10/09/25

Hit Summary Sheet
SW-846

SDG No.: Q3321

Order ID: Q3321

Client: Weston Solutions, Inc.

Project ID: RFP 918

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								

Total Concentration: 0.000



QC SUMMARY

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Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090327.D	PIBLK-PD090327.D	Decachlorobiphen	1	20	17.6	88		57	171
		Tetrachloro-m-xyl	1	20	16.5	83		61	148
		Decachlorobiphen	2	20	17.2	86		57	171
		Tetrachloro-m-xyl	2	20	16.9	85		61	148
I.BLK-PD090583.D	PIBLK-PD090583.D	Decachlorobiphen	1	20	16.2	81		57	171
		Tetrachloro-m-xyl	1	20	16.6	83		61	148
		Decachlorobiphen	2	20	14.5	72		57	171
		Tetrachloro-m-xyl	2	20	18.4	92		61	148
PB170091BL	PB170091BL	Decachlorobiphen	1	20	17.8	89		57	171
		Tetrachloro-m-xyl	1	20	17.2	86		61	148
		Decachlorobiphen	2	20	16.9	85		57	171
		Tetrachloro-m-xyl	2	20	18.9	95		61	148
PB170062TB	PB170062TB	Decachlorobiphen	1	20	18.7	93		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	18.1	90		57	171
		Tetrachloro-m-xyl	2	20	20.2	101		61	148
Q3321-02	P001-DS-01	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	20.4	102		61	148
		Decachlorobiphen	2	20	20.2	101		57	171
		Tetrachloro-m-xyl	2	20	22.0	110		61	148
Q3321-02MS	P001-DS-01MS	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	19.1	95		61	148
		Decachlorobiphen	2	20	19.5	97		57	171
		Tetrachloro-m-xyl	2	20	21.0	105		61	148
Q3321-02MSD	P001-DS-01MSD	Decachlorobiphen	1	20	20.4	102		57	171
		Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	19.3	97		57	171
		Tetrachloro-m-xyl	2	20	20.5	102		61	148
I.BLK-PD090591.D	PIBLK-PD090591.D	Decachlorobiphen	1	20	16.5	83		57	171
		Tetrachloro-m-xyl	1	20	16.3	82		61	148
		Decachlorobiphen	2	20	15.8	79		57	171
		Tetrachloro-m-xyl	2	20	17.5	88		61	148
I.BLK-PD090594.D	PIBLK-PD090594.D	Decachlorobiphen	1	20	17.1	85		57	171
		Tetrachloro-m-xyl	1	20	17.1	86		61	148
		Decachlorobiphen	2	20	16.5	83		57	171
		Tetrachloro-m-xyl	2	20	18.8	94		61	148
PB170091BS	PB170091BS	Decachlorobiphen	1	20	21.1	105		57	171
		Tetrachloro-m-xyl	1	20	16.9	84		61	148
		Decachlorobiphen	2	20	20.4	102		57	171
		Tetrachloro-m-xyl	2	20	18.7	94		61	148
I.BLK-PD090607.D	PIBLK-PD090607.D	Decachlorobiphen	1	20	20.8	104		57	171

Surrogate Summary

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090607.D	PIBLK-PD090607.D	Tetrachloro-m-xyl	1	20	18.5	93		61	148
		Decachlorobiphen	2	20	15.7	79		57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090589.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High	
Lab Sample ID:	Q3321-02MS	Client Sample ID:		P001-DS-01MS								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				60	152	
	Heptachlor	5	0	4.10	ug/L	82				56	147	
	Heptachlor epoxide	5	0	4.80	ug/L	96				77	143	
	Endrin	5	0	4.80	ug/L	96				76	144	
	Methoxychlor	5	0	4.00	ug/L	80				70	142	
Lab Sample ID:	Q3321-02MS	Client Sample ID:		P001-DS-01MS								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				60	152	
	Heptachlor	5	0	4.50	ug/L	90				56	147	
	Heptachlor epoxide	5	0	5.00	ug/L	100				77	143	
	Endrin	5	0	4.90	ug/L	98				76	144	
	Methoxychlor	5	0	4.10	ug/L	82				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PD090590.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3321-02MSD	Client Sample ID:		P001-DS-01MSD								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		2		60	152	20
	Heptachlor	5	0	4.00	ug/L	80		2		56	147	20
	Heptachlor epoxide	5	0	4.70	ug/L	94		2		77	143	20
	Endrin	5	0	4.70	ug/L	94		2		76	144	20
	Methoxychlor	5	0	3.90	ug/L	78		3		70	142	20
Lab Sample ID:	Q3321-02MSD	Client Sample ID:		P001-DS-01MSD								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		2		60	152	20
	Heptachlor	5	0	4.40	ug/L	88		2		56	147	20
	Heptachlor epoxide	5	0	4.90	ug/L	98		2		77	143	20
	Endrin	5	0	4.90	ug/L	98		0		76	144	20
	Methoxychlor	5	0	4.00	ug/L	80		2		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	Datafile :	<u>PD090597.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170091BS (Column 1)	gamma-BHC (Lindane)	0.5	0.55	ug/L	109				82	129		
	Heptachlor	0.5	0.47	ug/L	94				79	127		
	Heptachlor epoxide	0.5	0.54	ug/L	107				81	124		
	Endrin	0.5	0.54	ug/L	108				81	128		
	Methoxychlor	0.5	0.41	ug/L	82				78	108		
PB170091BS (Column 2)	gamma-BHC (Lindane)	0.5	0.56	ug/L	111				82	129		
	Heptachlor	0.5	0.50	ug/L	99				79	127		
	Heptachlor epoxide	0.5	0.55	ug/L	111				81	124		
	Endrin	0.5	0.56	ug/L	112				81	128		
	Methoxychlor	0.5	0.43	ug/L	87				78	108		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170091BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170091BL

Lab File ID: PD090585.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/14/2025

Date Analyzed (1): 10/14/2025

Date Analyzed (2): 10/14/2025

Time Analyzed (1): 16:56

Time Analyzed (2): 16:56

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB170062TB	PB170062TB	PD090587.D	10/14/2025	10/14/2025
P001-DS-01	Q3321-02	PD090588.D	10/14/2025	10/14/2025
P001-DS-01MS	Q3321-02MS	PD090589.D	10/14/2025	10/14/2025
P001-DS-01MSD	Q3321-02MSD	PD090590.D	10/14/2025	10/14/2025
PB170091BS	PB170091BS	PD090597.D	10/15/2025	10/15/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client: Weston Solutions, Inc.	Date Collected:	
Project: RFP 918	Date Received: 10/14/25	
Client Sample ID: PB170062TB	SDG No.: Q3321	
Lab Sample ID: PB170062TB	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Pesticide	Final Vol: 10000 uL
Prep Method: SW3541B	Prep Date: 10/14/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.037	U	1	0.037	0.50	ug/L	10/14/25 17:23	PB170091
76-44-8	Heptachlor	0.027	U	1	0.027	0.50	ug/L	10/14/25 17:23	PB170091
1024-57-3	Heptachlor epoxide	0.096	U	1	0.096	0.50	ug/L	10/14/25 17:23	PB170091
72-20-8	Endrin	0.032	U	1	0.032	0.50	ug/L	10/14/25 17:23	PB170091
72-43-5	Methoxychlor	0.11	U	1	0.11	0.50	ug/L	10/14/25 17:23	PB170091
8001-35-2	Toxaphene	1.70	U	1	1.70	10.0	ug/L	10/14/25 17:23	PB170091
57-74-9	Chlordane	0.88	U	1	0.88	5.00	ug/L	10/14/25 17:23	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	18.7			57 - 171	93%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.2			61 - 148	101%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101425\
Data File : PD090587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:23
Operator : AR\AJ
Sample : PB170062TB
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170062TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	60316782	554.7E6	18.556	20.207
28)	SA Decachlor...	9.066	8.061	90046707	586.1E6	18.662	18.080

Target Compounds

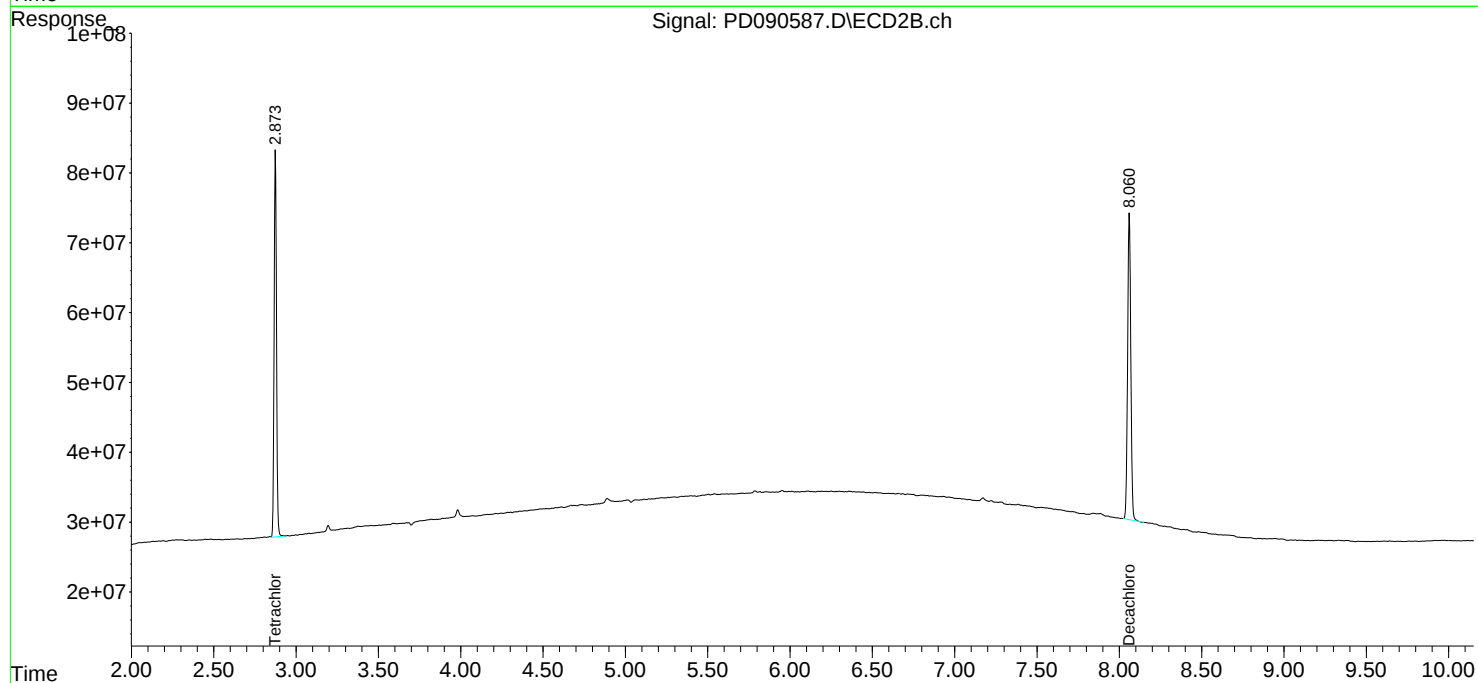
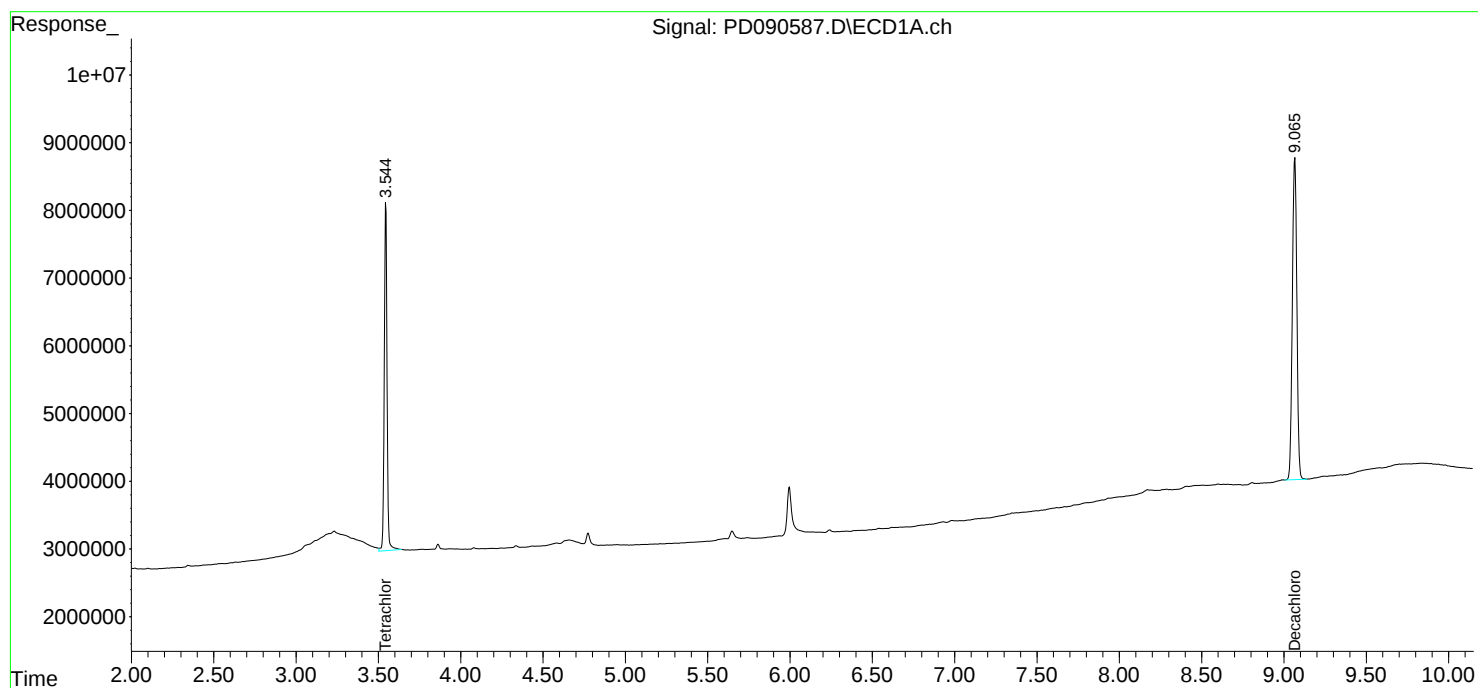
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

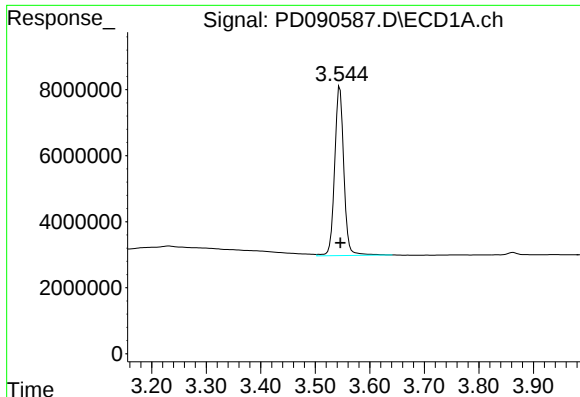
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:23
Operator : AR\AJ
Sample : PB170062TB
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170062TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

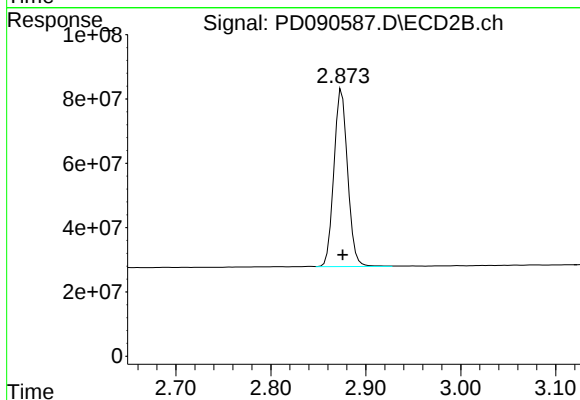




#1 Tetrachloro-m-xylene

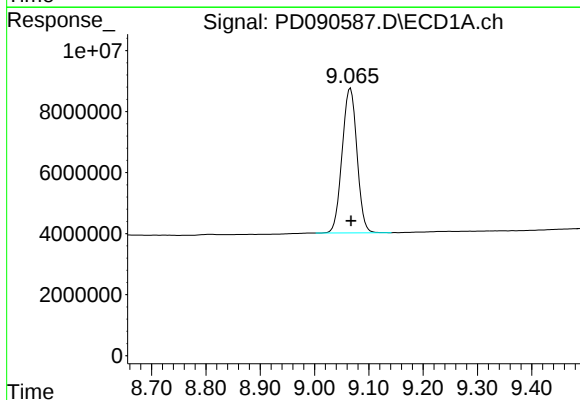
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 60316782
Conc: 18.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170062TB



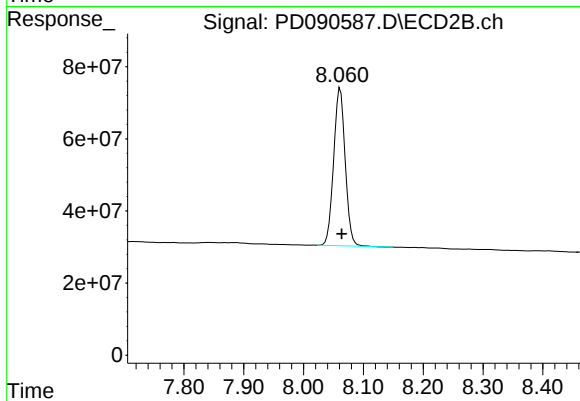
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 554692412
Conc: 20.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 90046707
Conc: 18.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 586072466
Conc: 18.08 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/08/25	
Project: RFP 918	Date Received: 10/09/25	
Client Sample ID: P001-DS-01	SDG No.: Q3321	
Lab Sample ID: Q3321-02	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Pesticide	Final Vol: 10000 uL
Prep Method: SW3541B		Prep Date 10/14/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.037	U	1	0.037	0.50	ug/L	10/14/25 17:37	PB170091
76-44-8	Heptachlor	0.027	U	1	0.027	0.50	ug/L	10/14/25 17:37	PB170091
1024-57-3	Heptachlor epoxide	0.096	U	1	0.096	0.50	ug/L	10/14/25 17:37	PB170091
72-20-8	Endrin	0.032	U	1	0.032	0.50	ug/L	10/14/25 17:37	PB170091
72-43-5	Methoxychlor	0.11	U	1	0.11	0.50	ug/L	10/14/25 17:37	PB170091
8001-35-2	Toxaphene	1.70	U	1	1.70	10.0	ug/L	10/14/25 17:37	PB170091
57-74-9	Chlordane	0.88	U	1	0.88	5.00	ug/L	10/14/25 17:37	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	22.0			61 - 148	110%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101425\
Data File : PD090588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:37
Operator : AR\AJ
Sample : Q3321-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
P001-DS-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	66321256	603.3E6	20.404	21.979
28) SA Decachlor...	9.065	8.061	102.8E6	653.8E6	21.300	20.170

Target Compounds

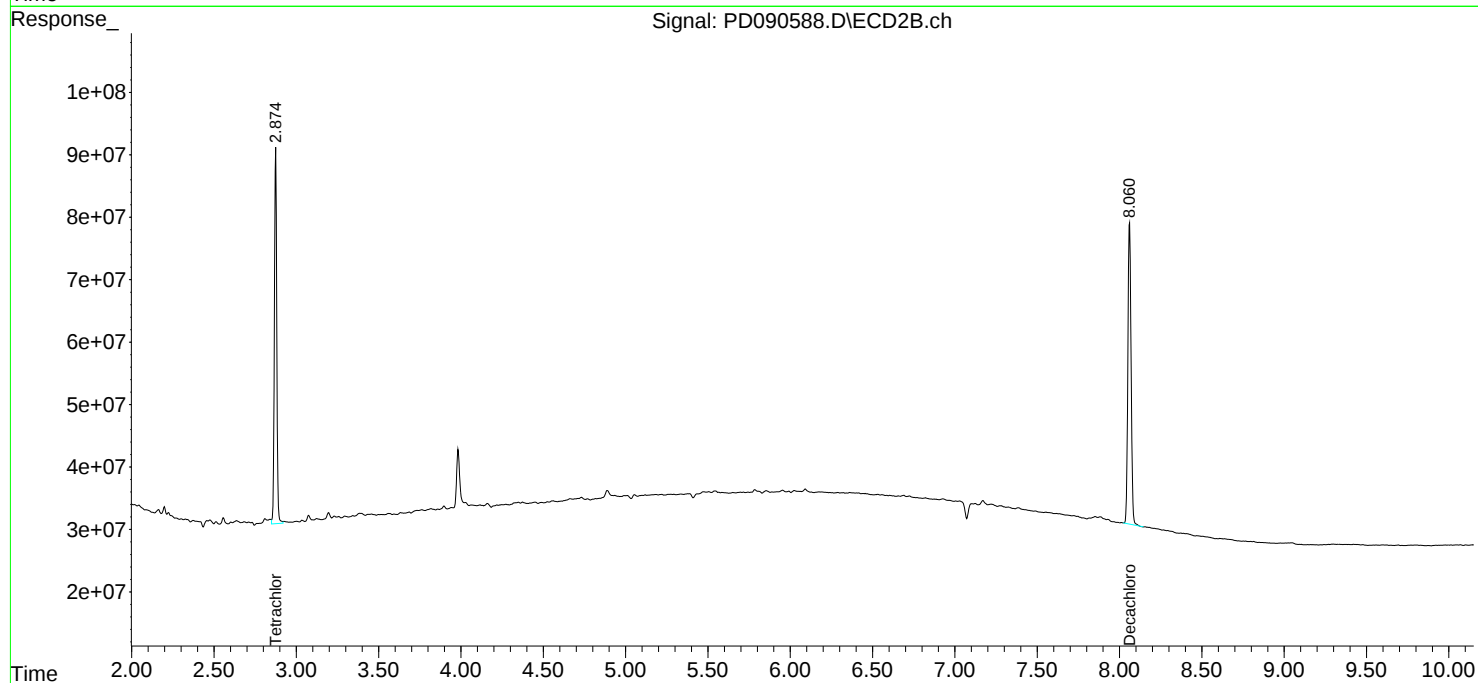
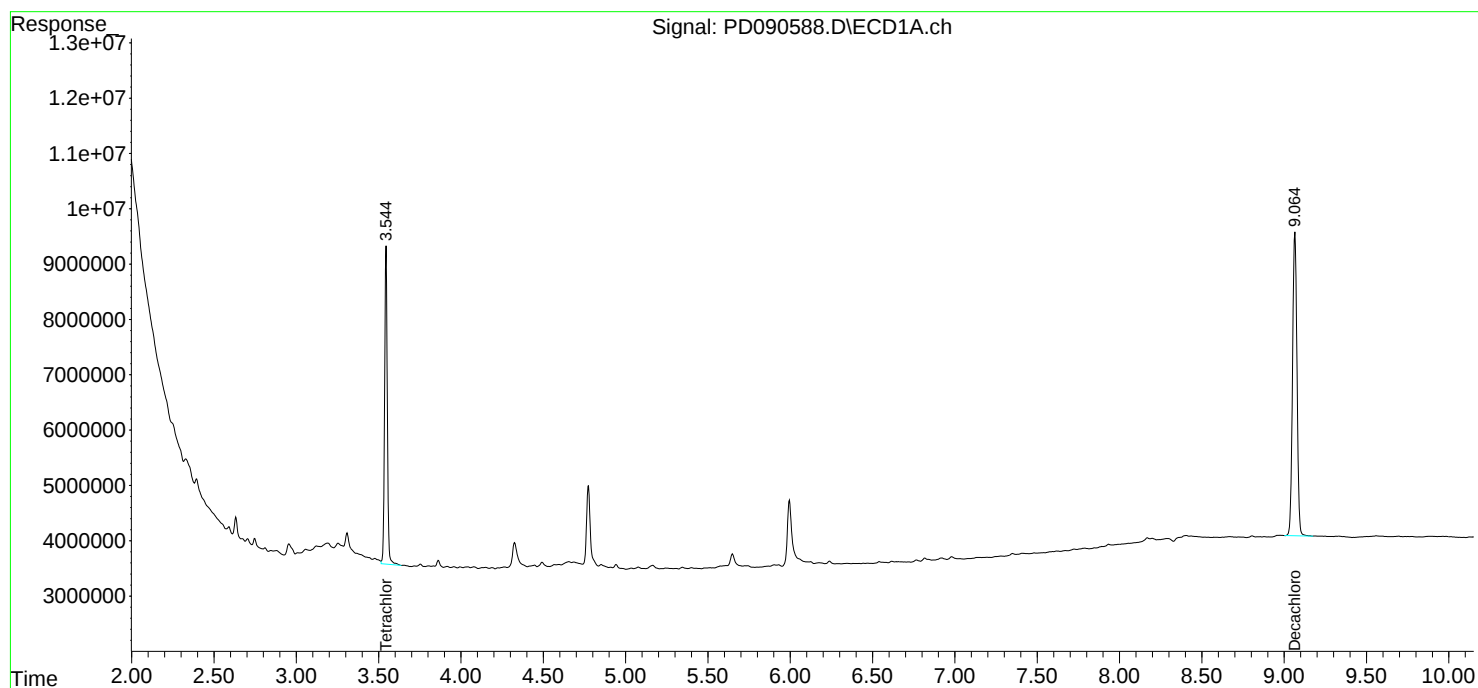
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

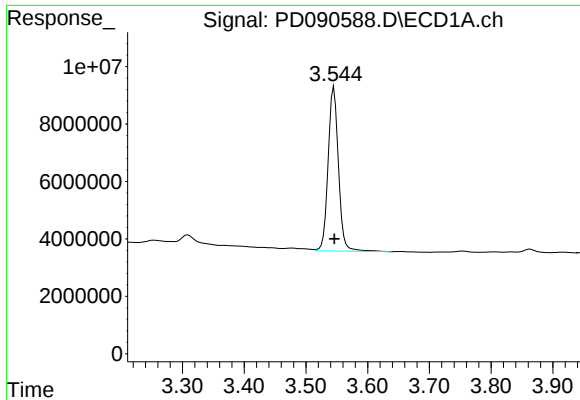
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:37
Operator : AR\AJ
Sample : Q3321-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
P001-DS-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

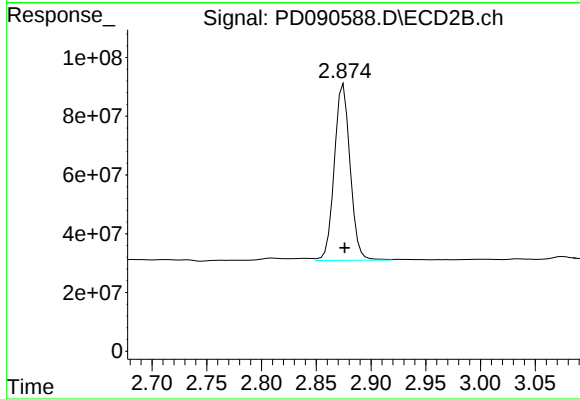




#1 Tetrachloro-m-xylene

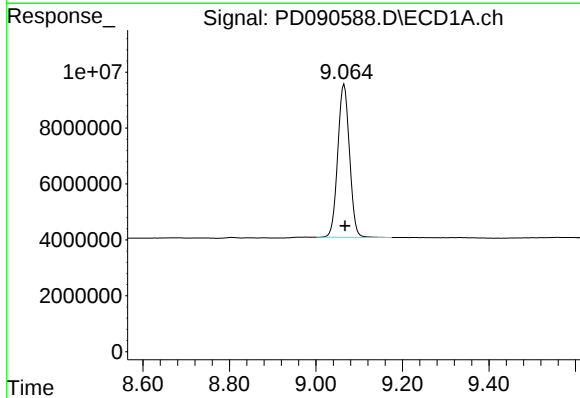
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 66321256
Conc: 20.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01



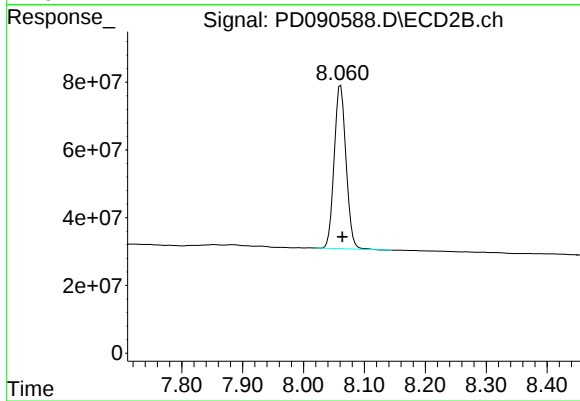
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 603309911
Conc: 21.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 102773145
Conc: 21.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 653803073
Conc: 20.17 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3321</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

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

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.93	4.93	4.93	4.93	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3321</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>09/18/2025</u> <u>09/18/2025</u>
		Calibration Times:	<u>10:30</u> <u>11:24</u>

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

LAB FILE ID:	RT 100 = <u>PD090330.D</u>	RT 075 = <u>PD090331.D</u>
RT 050 = <u>PD090332.D</u>	RT 025 = <u>PD090333.D</u>	RT 005 = <u>PD090334.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
gamma-BHC (Lindane)	3.73	3.72	3.72	3.72	3.72	3.72	3.62	3.82
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: ROYF02
SDG NO.: Q3321

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4402260000	4491650000	4568910000	4877590000	5784880000	4825060000	12
Endrin	4996080000	4929650000	4790800000	4732630000	5020530000	4893940000	3
gamma-BHC (Lindane)	6999120000	6835130000	6524340000	6332700000	6393110000	6616880000	4
Heptachlor	6772400000	6712800000	6486200000	6442050000	6649430000	6612570000	2
Heptachlor epoxide	5686760000	5637150000	5520680000	5549540000	6180470000	5714920000	5
Methoxychlor	2238390000	2263790000	2253430000	2355450000	2671490000	2356510000	8
Tetrachloro-m-xylene	3132360000	3130620000	3109950000	3314170000	3565160000	3250450000	6



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: ROYF02
SDG NO.: Q3321

Calibration Date(s): 09/18/2025 09/18/2025
Calibration Times: 10:30 11:24

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

LAB FILE ID:		CF 100 =	<u>PD090330.D</u>	CF 075 =	<u>PD090331.D</u>		
CF 050 =		<u>PD090332.D</u>	CF 025 =	<u>PD090333.D</u>	CF 005 =	<u>PD090334.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	30416300000	30281700000	30308400000	32239300000	38828000000	32414700000	11
Endrin	32764600000	33397800000	34021300000	37450400000	41526700000	35832100000	10
gamma-BHC (Lindane)	39011200000	39020700000	38893100000	40648000000	46104500000	40735500000	8
Heptachlor	38021400000	38528800000	38887000000	41156300000	46990300000	40716800000	9
Heptachlor epoxide	33658400000	34135100000	34882100000	37203700000	44446000000	36865100000	12
Methoxychlor	15805600000	16152500000	16575000000	17899900000	20568800000	17400400000	11
Tetrachloro-m-xylene	25734100000	25856000000	26010100000	27671900000	31977700000	27449900000	10



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
Instrument ID: ECD_D **Date(s) Analyzed:** 09/18/2025 09/18/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.71	4.61	4.81	204668000
		2	5.24	5.14	5.34	205308000
		3	5.94	5.84	6.04	824953000
		4	6.03	5.93	6.13	997407000
		5	6.87	6.77	6.97	174700000
Toxaphene	500	1	6.24	6.14	6.34	44388200
		2	6.44	6.34	6.54	60483400
		3	7.14	7.04	7.24	113658000
		4	7.56	7.46	7.66	146448000
		5	7.93	7.83	8.03	83400400



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

Instrument ID: ECD_D Date(s) Analyzed: 09/18/2025 09/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.90	3.80	4.00	1171880000
		2	4.48	4.38	4.58	1211170000
		3	5.12	5.02	5.22	3662550000
		4	5.18	5.08	5.28	3137810000
		5	6.08	5.98	6.18	1492570000
Toxaphene	500	1	5.47	5.37	5.57	277984000
		2	5.64	5.54	5.74	187173000
		3	6.75	6.65	6.85	940593000
		4	7.19	7.09	7.29	622769000
		5	7.32	7.22	7.42	479062000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	313.2E6	2573.4E6	100.721	98.939
28) SA Decachlor...	9.066	8.063	440.2E6	3041.6E6	96.353	100.356
Target Compounds						
2) A alpha-BHC	3.995	3.388	753.2E6	4198.4E6	108.692	100.255
3) MA gamma-BHC...	4.326	3.725	699.9E6	3901.1E6	107.277	100.303
4) MA Heptachlor	4.925	4.077	677.2E6	3802.1E6	104.413	97.774
5) MB Aldrin	5.266	4.363	653.8E6	3775.6E6	104.885	98.650
6) B beta-BHC	4.513	4.020	248.2E6	1610.4E6	100.737	97.893
7) B delta-BHC	4.761	4.257	690.1E6	3947.8E6	107.205	99.629
8) B Heptachlo...	5.686	4.866	568.7E6	3365.8E6	103.008	96.492
9) A Endosulfan I	6.070	5.241	535.6E6	3192.6E6	102.075	96.507
10) B gamma-Chl...	5.941	5.119	581.4E6	3713.6E6	104.097	98.943
11) B alpha-Chl...	6.022	5.184	577.5E6	3549.7E6	103.048	98.646
12) B 4,4'-DDE	6.192	5.368	537.4E6	3612.4E6	104.785	98.468
13) MA Dieldrin	6.342	5.506	587.8E6	3629.1E6	103.885	97.142
14) MA Endrin	6.570	5.783	499.6E6	3276.5E6	104.285	96.306
15) B Endosulfa...	6.782	6.074	486.4E6	3116.2E6	102.013	96.527
16) A 4,4'-DDD	6.701	5.923	420.7E6	3030.5E6	104.811	97.729
17) MA 4,4'-DDT	7.017	6.177	457.4E6	3310.0E6	104.609	99.546
18) B Endrin al...	6.911	6.252	327.8E6	2165.3E6	99.079	95.545
19) B Endosulfa...	7.145	6.476	448.8E6	3012.5E6	100.833	96.776
20) A Methoxychlor	7.489	6.747	223.8E6	1580.6E6	99.333	95.358
21) B Endrin ke...	7.626	6.985	489.1E6	3302.6E6	102.013	96.127
22) Mirex	8.109	7.178	339.1E6	2515.9E6	97.222	97.045

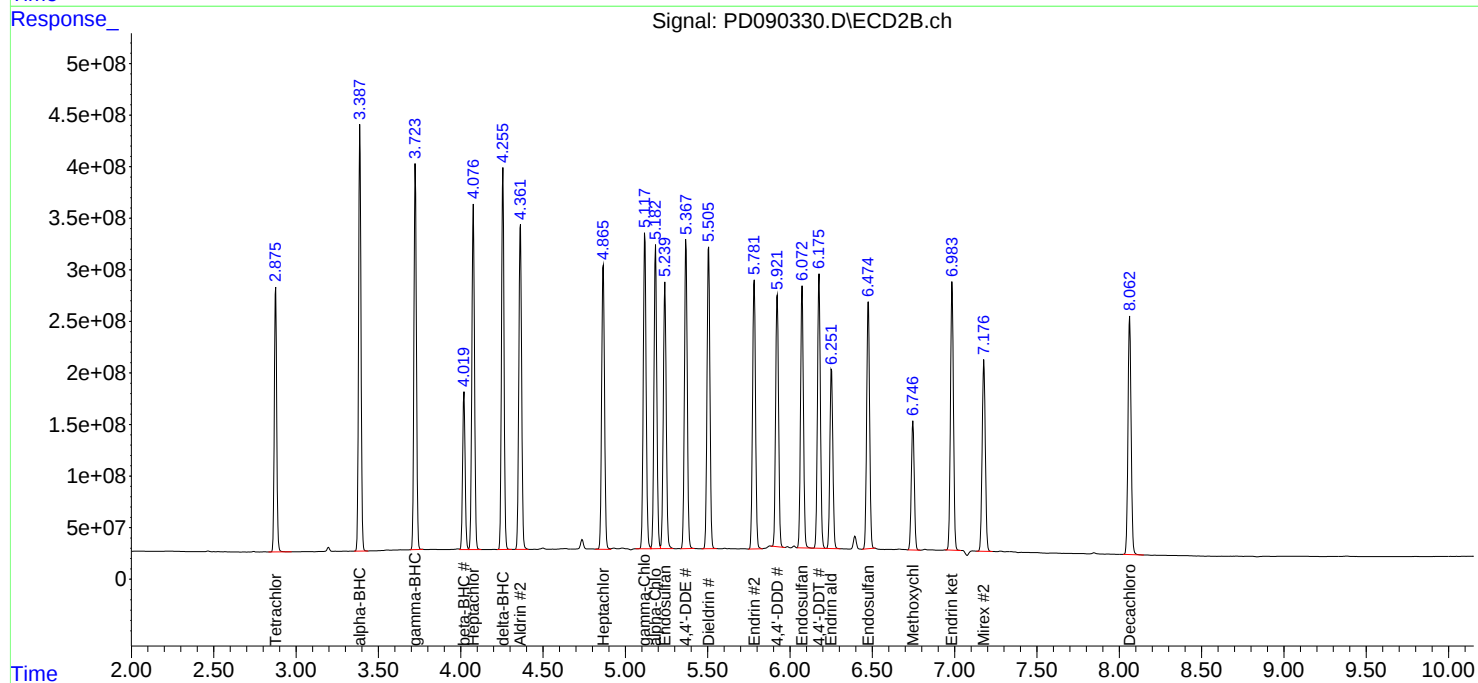
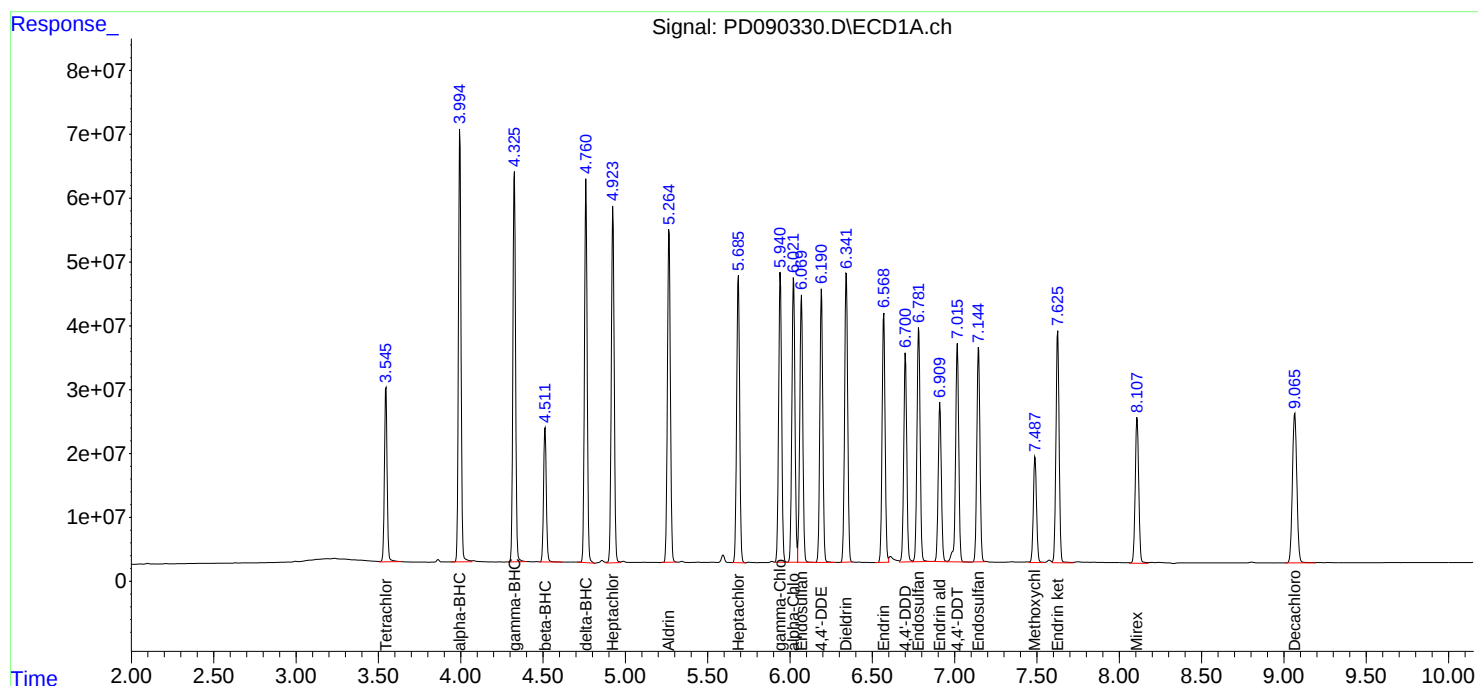
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:30
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090330.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 313236095
Conc: 100.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 2573409929
Conc: 98.94 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 753174662
Conc: 108.69 ng/ml

Time

Response_ Signal: PD090330.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 4198372530
Conc: 100.25 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 699911882
Conc: 107.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 3901117493
Conc: 100.30 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 677240375
Conc: 104.41 ng/ml

Time

Response_ Signal: PD090330.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 3802136026
Conc: 97.77 ng/ml

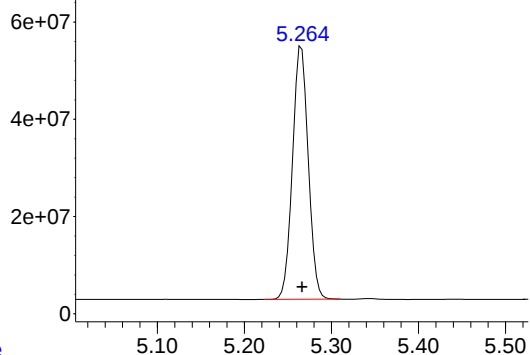
Time

Response_

Signal: PD090330.D\ECD1A.ch

#5 Aldrin

ICAL Form



R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 653842811
Conc: 104.88 ng/ml

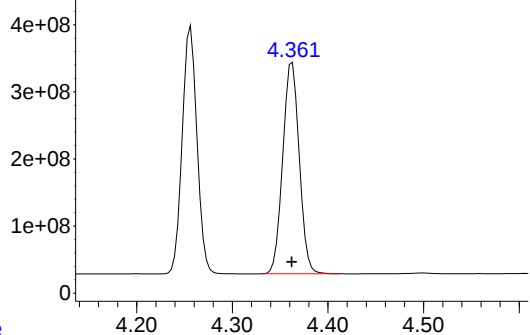
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PD090330.D\ECD2B.ch

#5 Aldrin



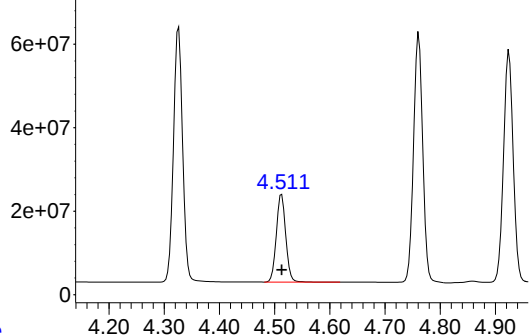
R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 3775585422
Conc: 98.65 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#6 beta-BHC



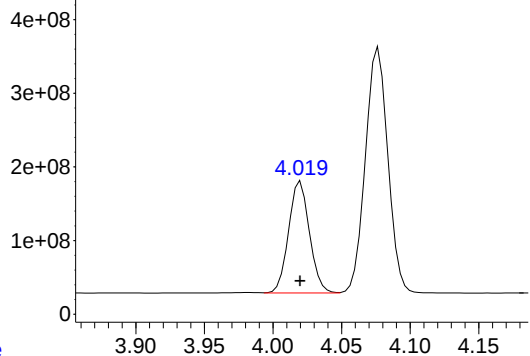
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 248228452
Conc: 100.74 ng/ml

Time

Response_

Signal: PD090330.D\ECD2B.ch

#6 beta-BHC

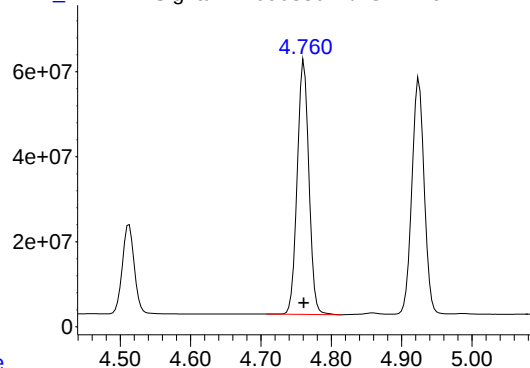


R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1610423474
Conc: 97.89 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#7 delta-BHC

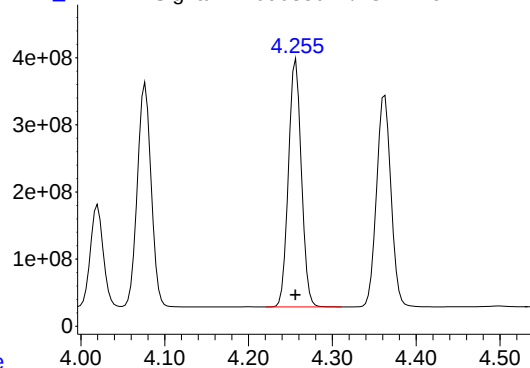


R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 690054443
Conc: 107.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time Response_ Signal: PD090330.D\ECD2B.ch

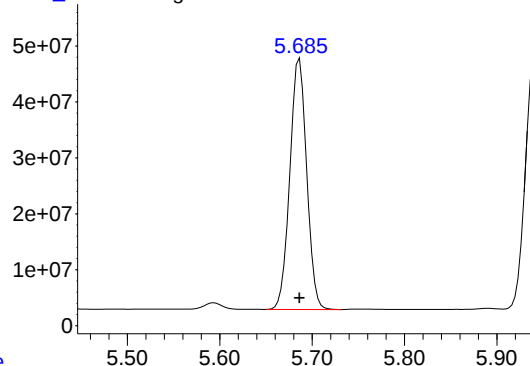
#7 delta-BHC



R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 3947831686
Conc: 99.63 ng/ml

Time Response_ Signal: PD090330.D\ECD1A.ch

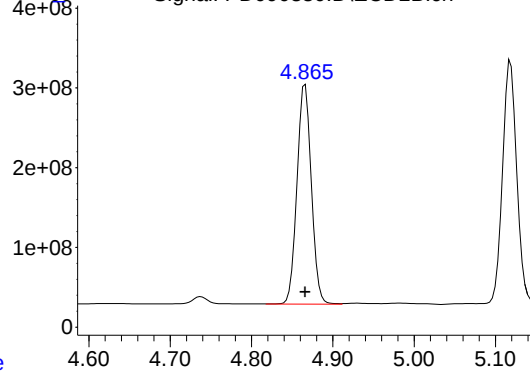
#8 Heptachlor epoxide



R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 568676489
Conc: 103.01 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch

#8 Heptachlor epoxide

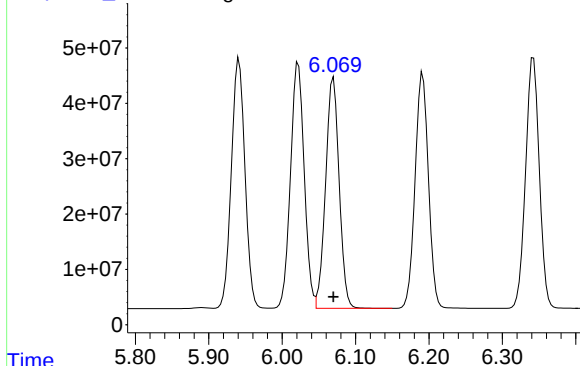


R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 3365839441
Conc: 96.49 ng/ml

Response_

Signal: PD090330.D\ECD1A.ch

#9 Endosulfan I



R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 535587092
Conc: 102.08 ng/ml

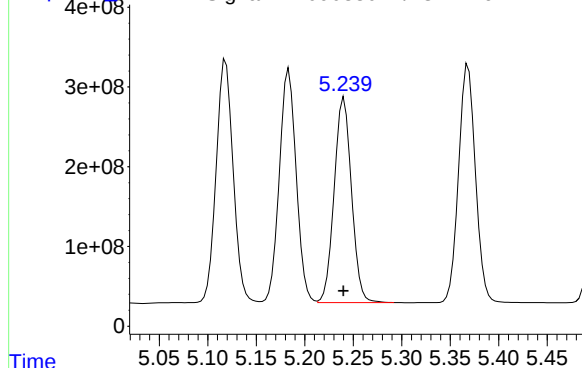
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#9 Endosulfan I



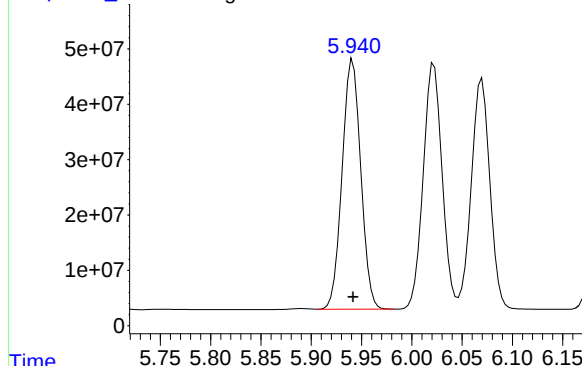
R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 3192613538
Conc: 96.51 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#10 gamma-Chlordane



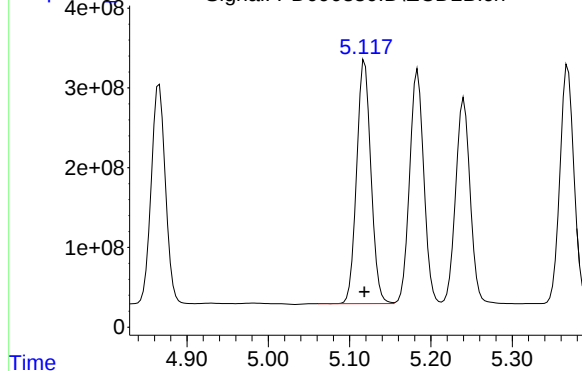
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 581369072
Conc: 104.10 ng/ml

Time

Response

Signal: PD090330.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 3713621770
Conc: 98.94 ng/ml

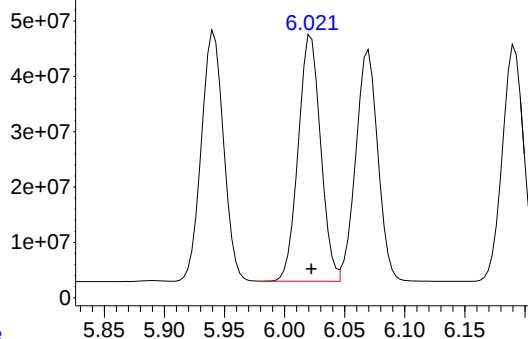
Time

Response_

Signal: PD090330.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 577534554
Conc: 103.05 ng/ml

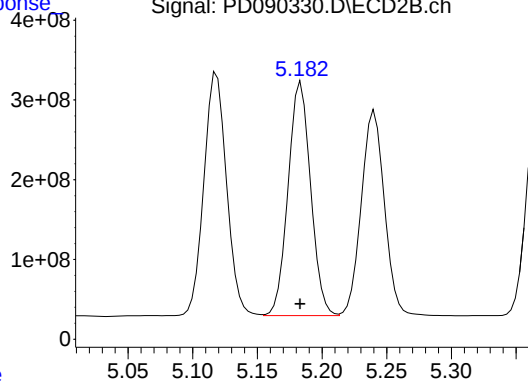
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response

Signal: PD090330.D\ECD2B.ch

#11 alpha-Chlordane



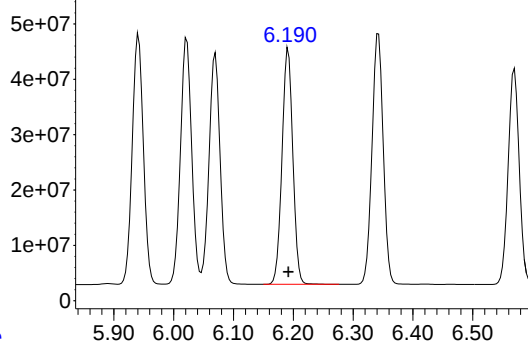
R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 3549655328
Conc: 98.65 ng/ml

Time

Response_

Signal: PD090330.D\ECD1A.ch

#12 4,4'-DDE



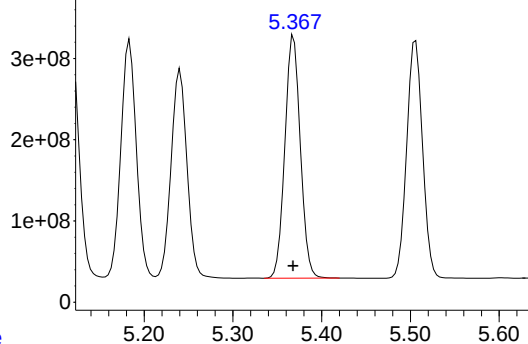
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 537414128
Conc: 104.79 ng/ml

Time

Response_

Signal: PD090330.D\ECD2B.ch

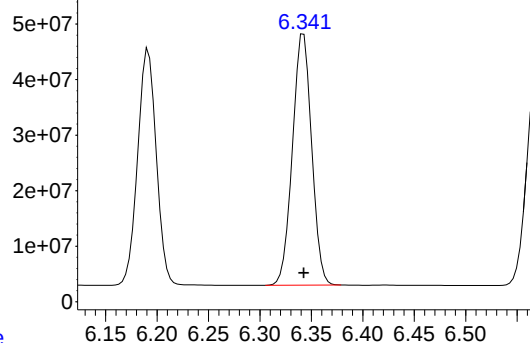
#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 3612419195
Conc: 98.47 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

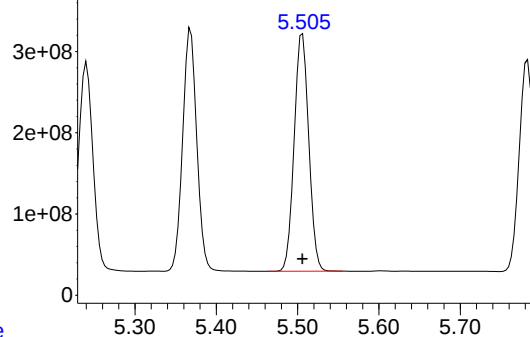


#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 587848394
Conc: 103.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

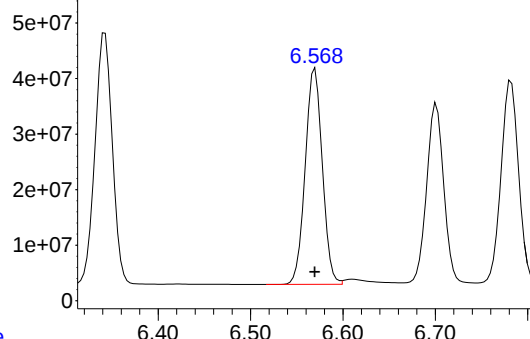
Time Response_ Signal: PD090330.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 3629120609
Conc: 97.14 ng/ml

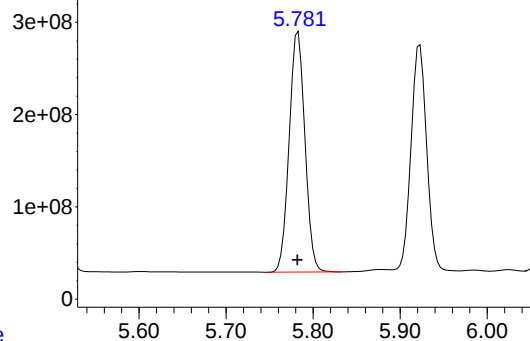
Time Response_ Signal: PD090330.D\ECD1A.ch



#14 Endrin

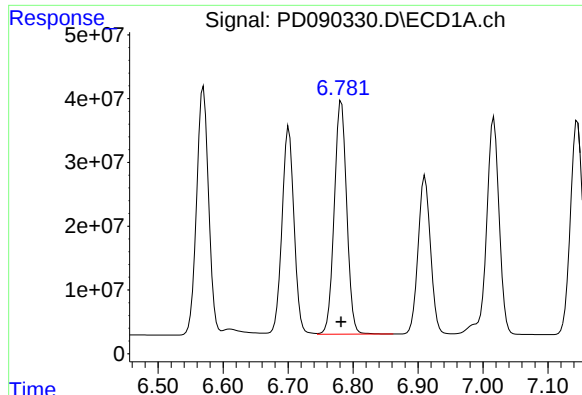
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 499607755
Conc: 104.28 ng/ml

Time Response_ Signal: PD090330.D\ECD2B.ch



#14 Endrin

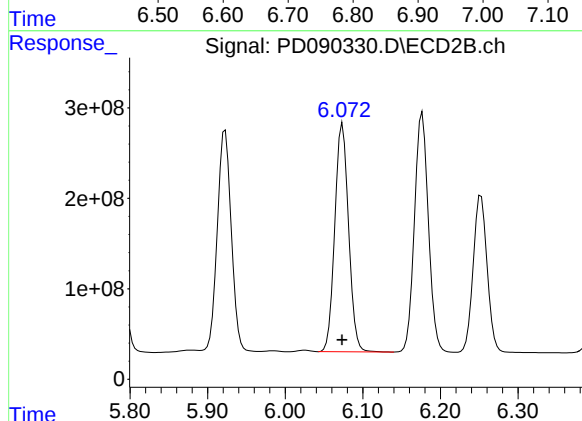
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 3276462498
Conc: 96.31 ng/ml



#15 Endosulfan II

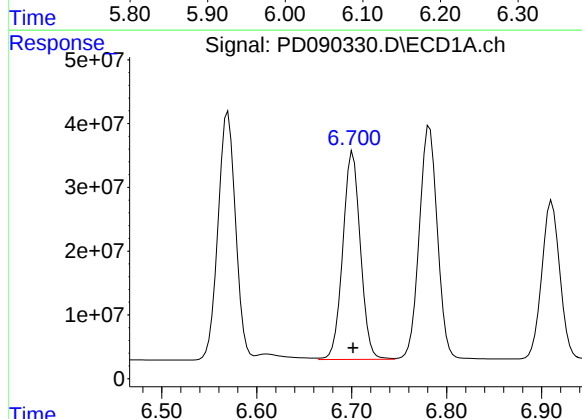
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 486380986
Conc: 102.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



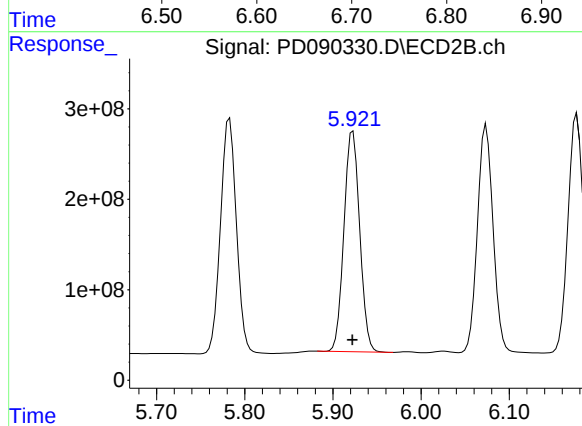
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 3116180321
Conc: 96.53 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 420714006
Conc: 104.81 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 3030486626
Conc: 97.73 ng/ml

Response_ Signal: PD090330.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 457432864
Conc: 104.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PD090330.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.001 min
Response: 3309989081
Conc: 99.55 ng/ml

Time

Response_ Signal: PD090330.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 327817162
Conc: 99.08 ng/ml

Time

Response_ Signal: PD090330.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 2165337183
Conc: 95.54 ng/ml

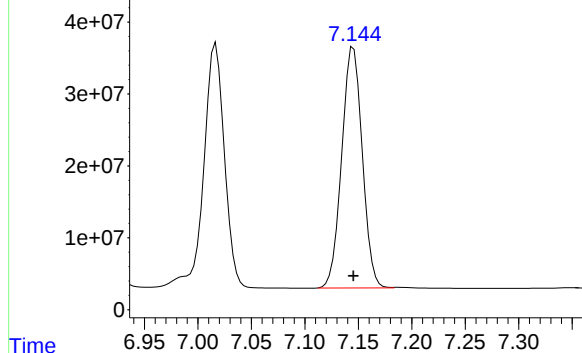
Time

Response_ Signal: PD090330.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 448812546
Conc: 100.83 ng/ml

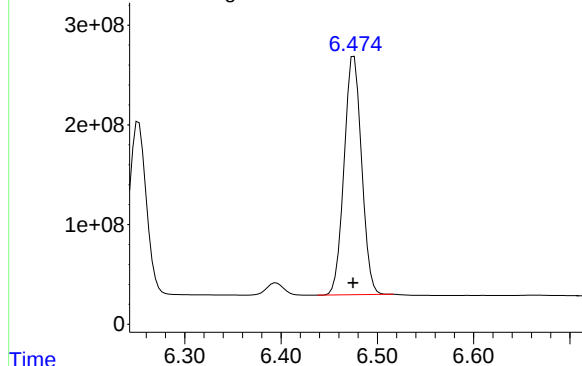
Instrument :
ECD_D
ClientSampleId :
PSTDICC100



Time Response_ Signal: PD090330.D\ECD2B.ch

#19 Endosulfan Sulfate

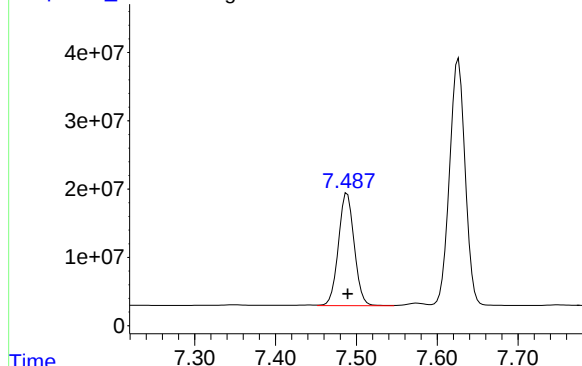
R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 3012520782
Conc: 96.78 ng/ml



Time Response_ Signal: PD090330.D\ECD1A.ch

#20 Methoxychlor

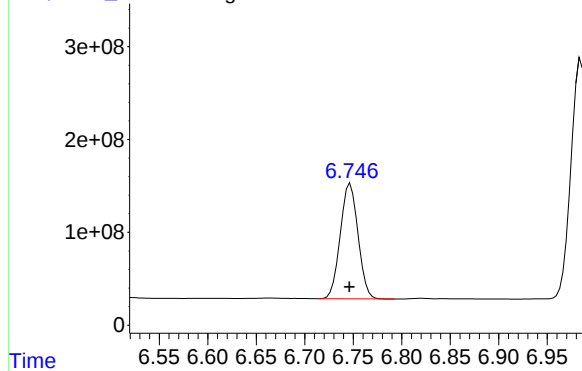
R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 223838930
Conc: 99.33 ng/ml

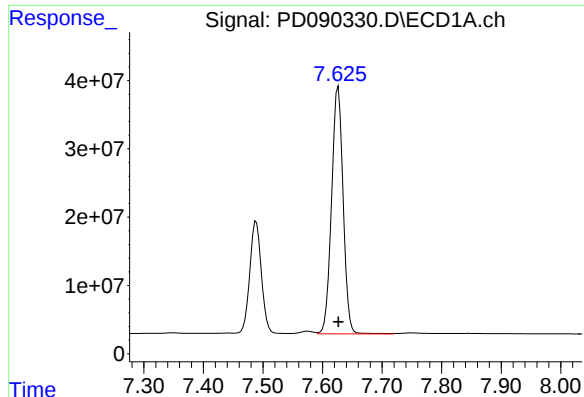


Time Response_ Signal: PD090330.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 1580560582
Conc: 95.36 ng/ml

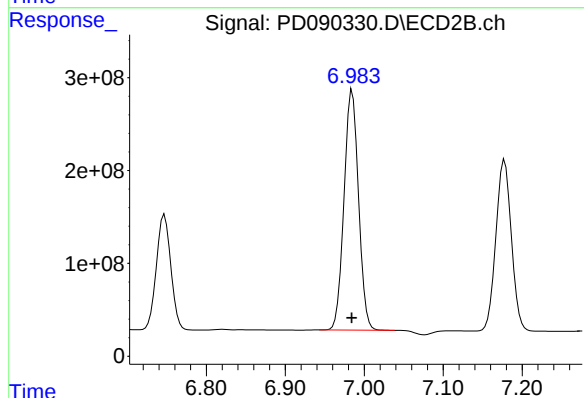




#21 Endrin ketone

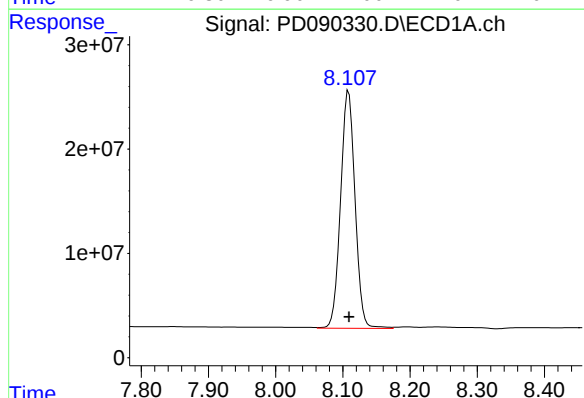
R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 489092682
Conc: 102.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



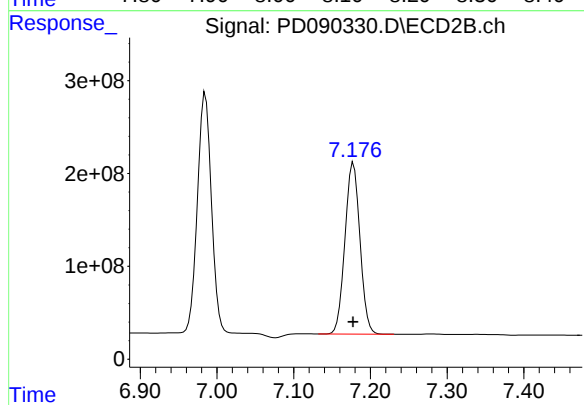
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 3302608203
Conc: 96.13 ng/ml



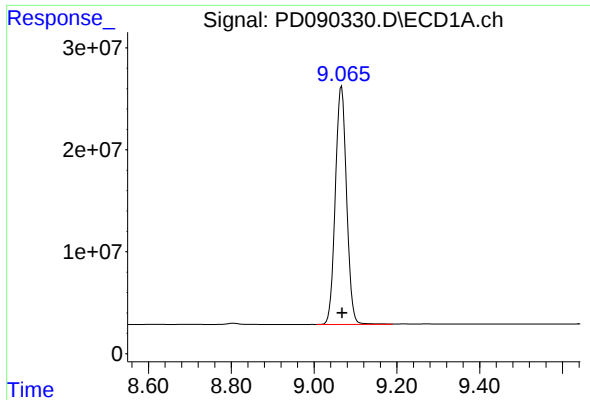
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 339141918
Conc: 97.22 ng/ml



#22 Mirex

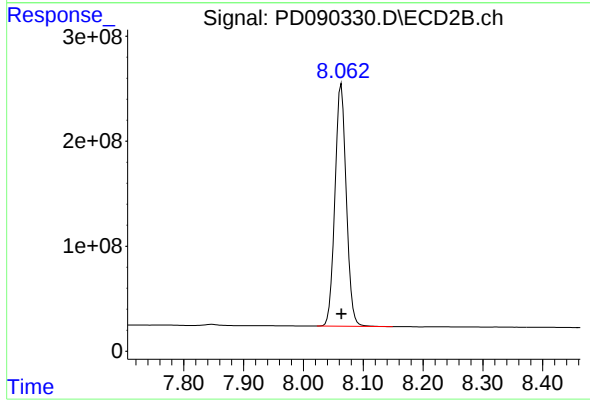
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 2515886609
Conc: 97.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 440225529
Conc: 96.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 3041628295
Conc: 100.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	234.8E6	1939.2E6	75.498	74.556
28)	SA Decachlor...	9.067	8.063	336.9E6	2271.1E6	73.732	74.934
Target Compounds							
2)	A alpha-BHC	3.996	3.387	548.9E6	3157.8E6	79.212	75.406
3)	MA gamma-BHC...	4.326	3.724	512.6E6	2926.6E6	78.573	75.246
4)	MA Heptachlor	4.925	4.076	503.5E6	2889.7E6	77.620	74.309
5)	MB Aldrin	5.266	4.362	483.4E6	2851.1E6	77.547	74.494
6)	B beta-BHC	4.513	4.020	186.2E6	1219.9E6	75.559	74.151
7)	B delta-BHC	4.761	4.256	505.8E6	2968.1E6	78.572	74.906
8)	B Heptachlo...	5.686	4.866	422.8E6	2560.1E6	76.582	73.394
9)	A Endosulfan I	6.070	5.240	399.8E6	2430.6E6	76.189	73.473
10)	B gamma-Chl...	5.941	5.119	431.4E6	2800.3E6	77.251	74.610
11)	B alpha-Chl...	6.023	5.183	429.3E6	2674.9E6	76.606	74.337
12)	B 4,4'-DDE	6.191	5.368	396.6E6	2720.4E6	77.320	74.153
13)	MA Dieldrin	6.343	5.505	436.0E6	2754.3E6	77.057	73.724
14)	MA Endrin	6.570	5.782	369.7E6	2504.8E6	77.174	73.626
15)	B Endosulfa...	6.782	6.073	360.7E6	2368.6E6	75.662	73.368
16)	A 4,4'-DDD	6.701	5.922	309.8E6	2301.9E6	77.178	74.234
17)	MA 4,4'-DDT	7.017	6.176	339.3E6	2482.7E6	77.587	74.665
18)	B Endrin al...	6.911	6.252	249.1E6	1656.9E6	75.274	73.112
19)	B Endosulfa...	7.146	6.475	337.9E6	2291.5E6	75.907	73.614
20)	A Methoxychlor	7.490	6.746	169.8E6	1211.4E6	75.345	73.089
21)	B Endrin ke...	7.626	6.984	367.3E6	2512.0E6	76.614	73.116
22)	Mirex	8.109	7.177	259.4E6	1905.4E6	74.356	73.496

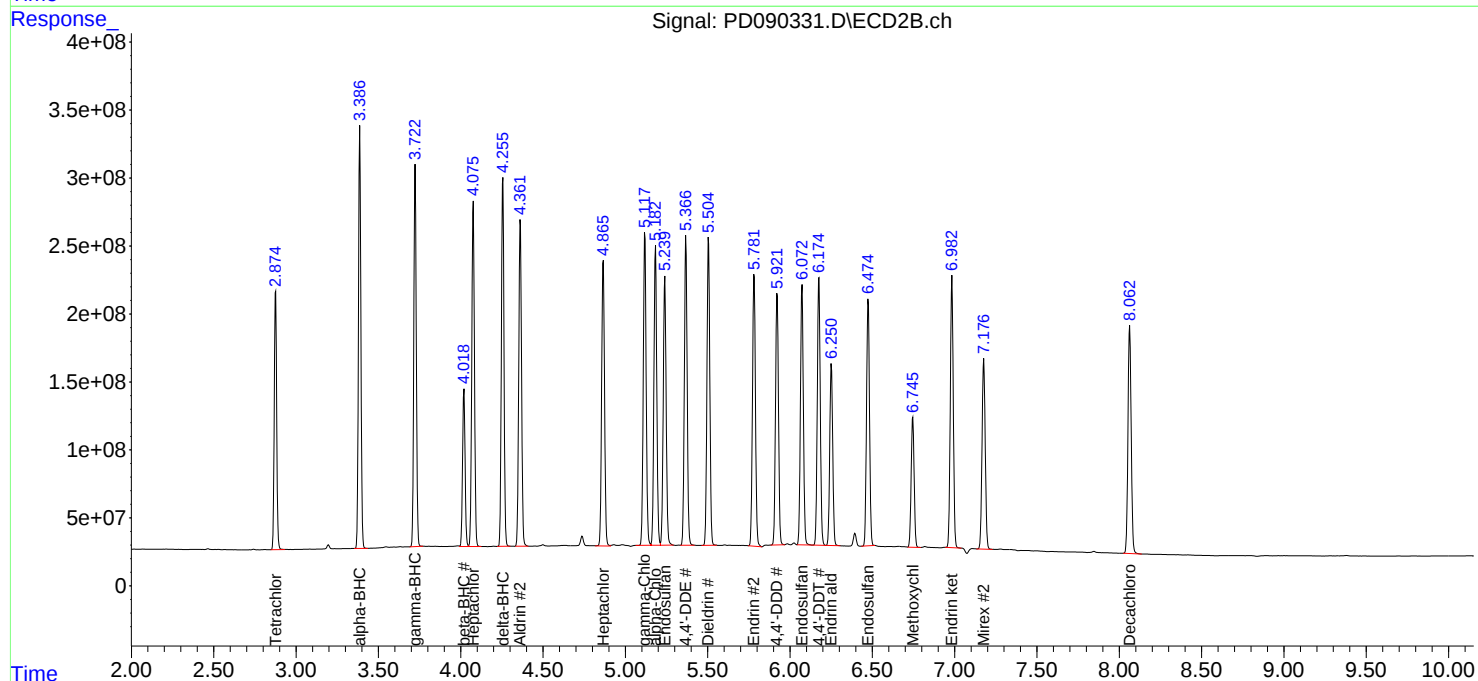
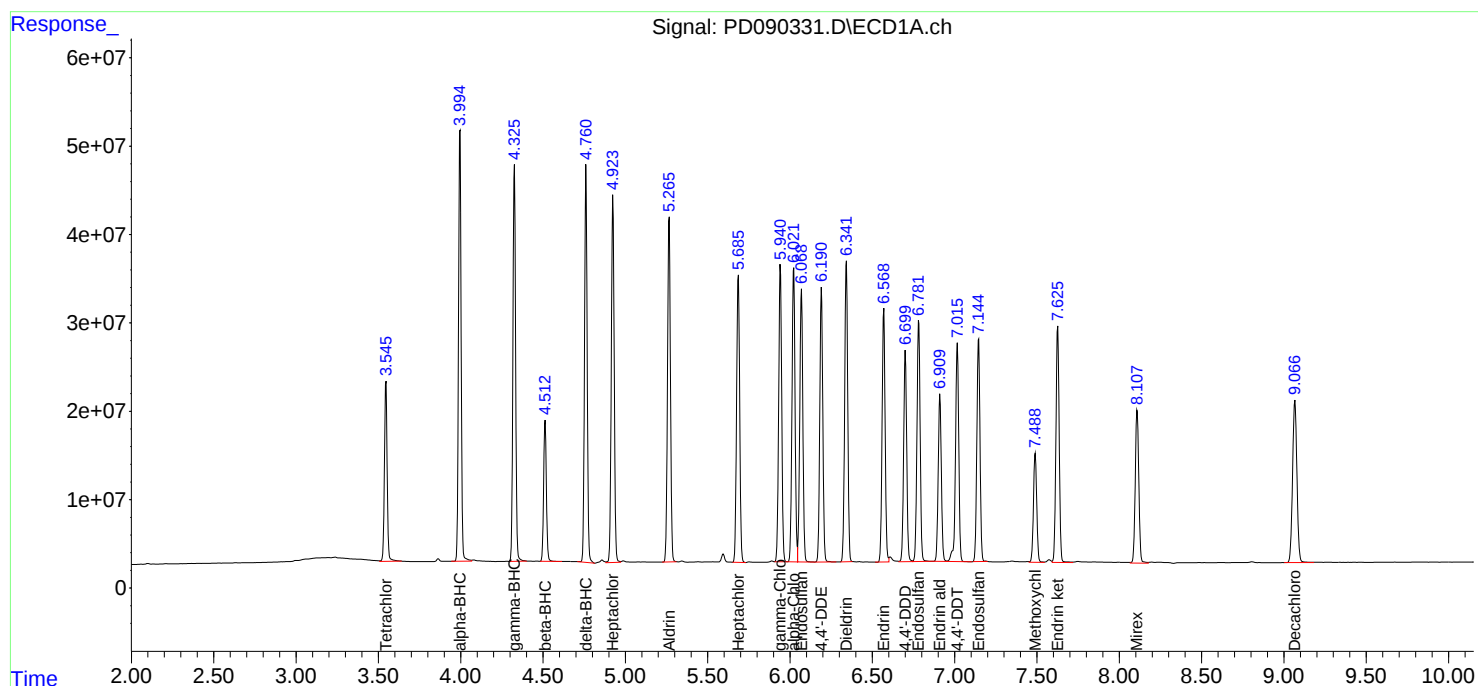
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:43
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

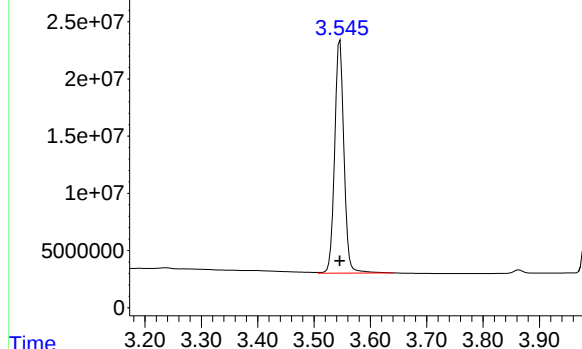


Response_ Signal: PD090331.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 234796720
Conc: 75.50 ng/ml

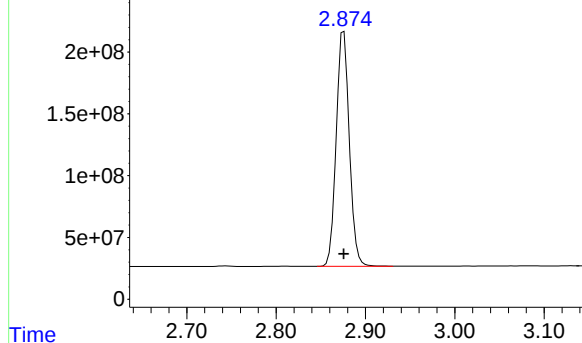
Instrument :
ECD_D
ClientSampleId :
PSTDICC075



Time Response_ Signal: PD090331.D\ECD2B.ch

#1 Tetrachloro-m-xylene

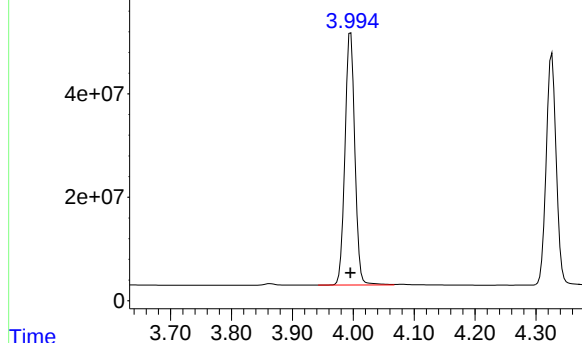
R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1939202954
Conc: 74.56 ng/ml



Time Response_ Signal: PD090331.D\ECD1A.ch

#2 alpha-BHC

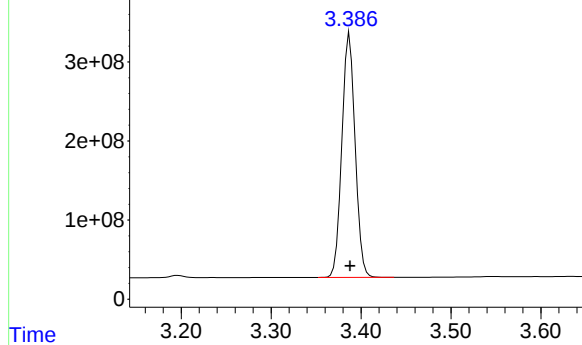
R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 548890342
Conc: 79.21 ng/ml



Time Response_ Signal: PD090331.D\ECD2B.ch

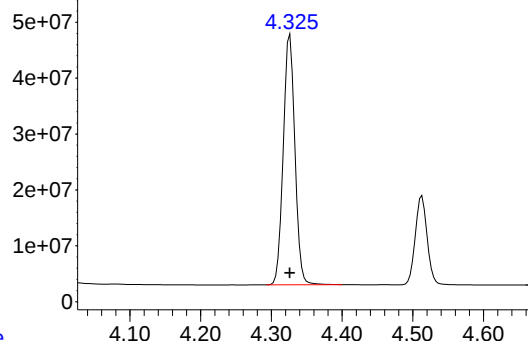
#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 3157759187
Conc: 75.41 ng/ml



Response_ Signal: PD090331.D\ECD1A.ch

#3 gamma-BHC (Lindane)

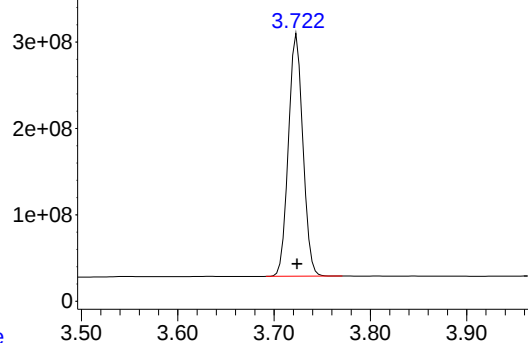


R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 512634592
Conc: 78.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time Response_ Signal: PD090331.D\ECD2B.ch

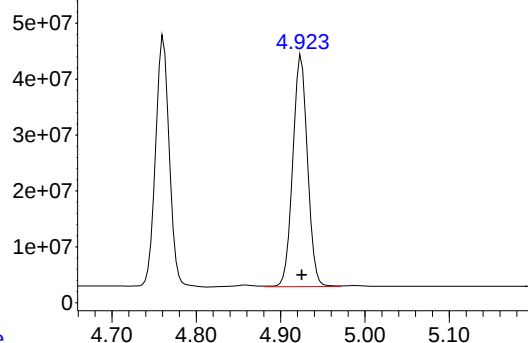
#3 gamma-BHC (Lindane)



R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 2926551436
Conc: 75.25 ng/ml

Time Response_ Signal: PD090331.D\ECD1A.ch

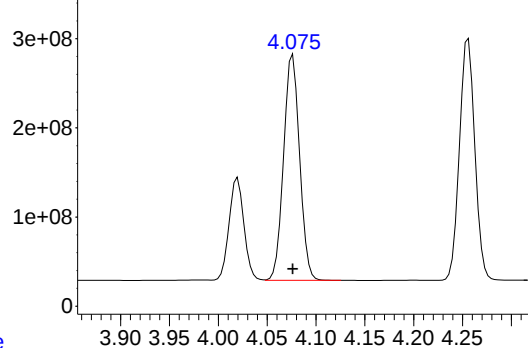
#4 Heptachlor



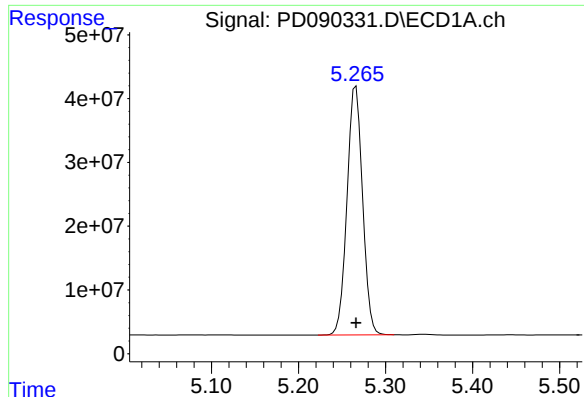
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 503459808
Conc: 77.62 ng/ml

Time Response_ Signal: PD090331.D\ECD2B.ch

#4 Heptachlor



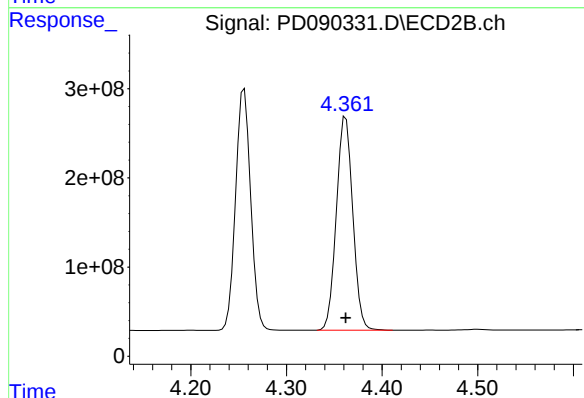
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 2889661494
Conc: 74.31 ng/ml



#5 Aldrin

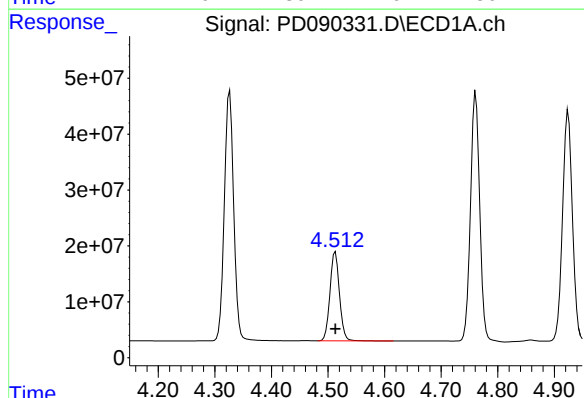
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 483420136
Conc: 77.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



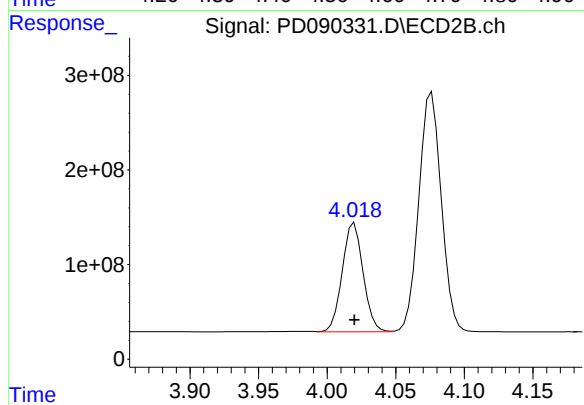
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 2851068871
Conc: 74.49 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 186187867
Conc: 75.56 ng/ml



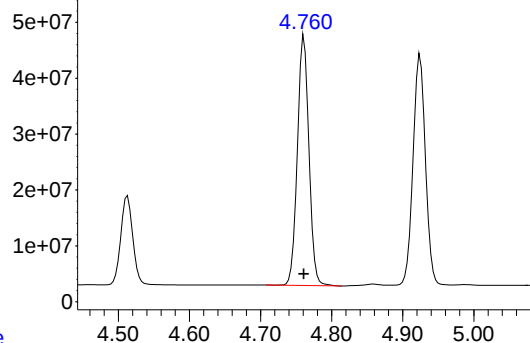
#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 1219859216
Conc: 74.15 ng/ml

Response_

Signal: PD090331.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 505751873
Conc: 78.57 ng/ml

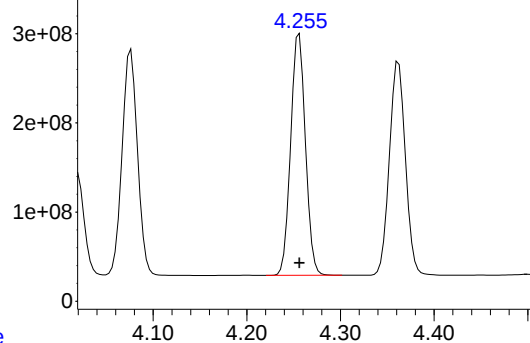
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PD090331.D\ECD2B.ch

#7 delta-BHC



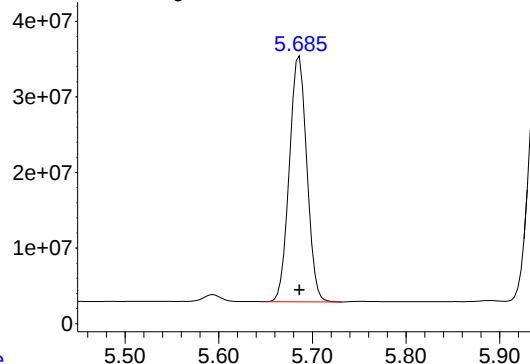
R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2968147130
Conc: 74.91 ng/ml

Time

Response_

Signal: PD090331.D\ECD1A.ch

#8 Heptachlor epoxide



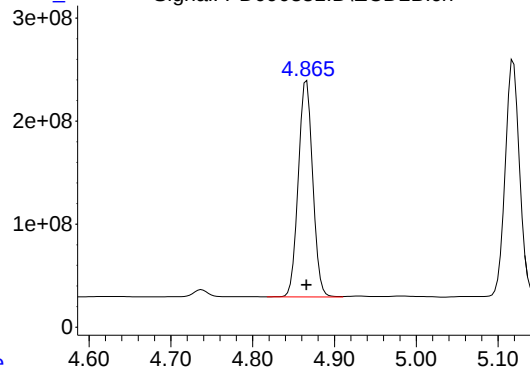
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 422786425
Conc: 76.58 ng/ml

Time

Response_

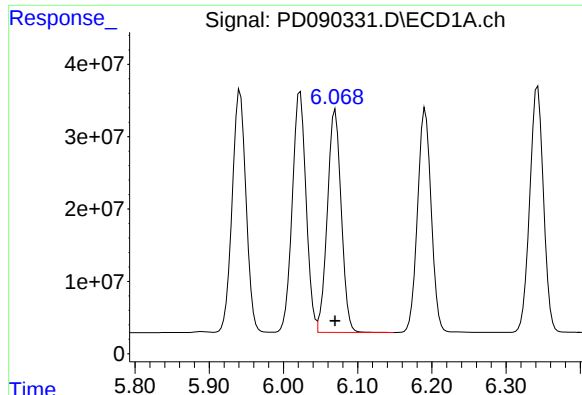
Signal: PD090331.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 2560129933
Conc: 73.39 ng/ml

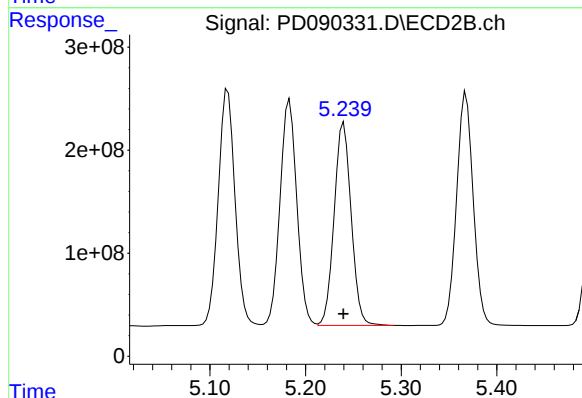
Time



#9 Endosulfan I

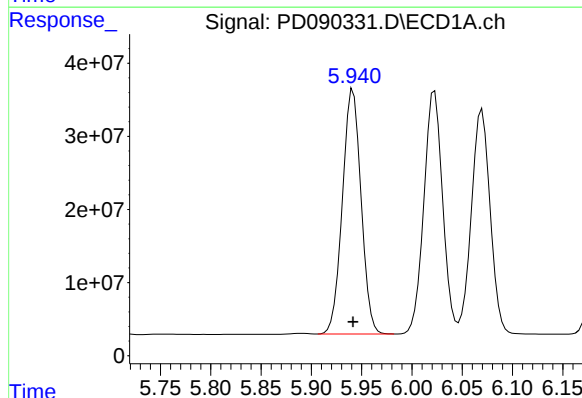
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 399761598
Conc: 76.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



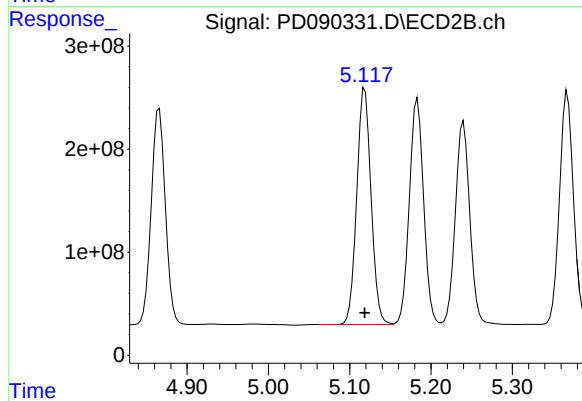
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 2430625449
Conc: 73.47 ng/ml



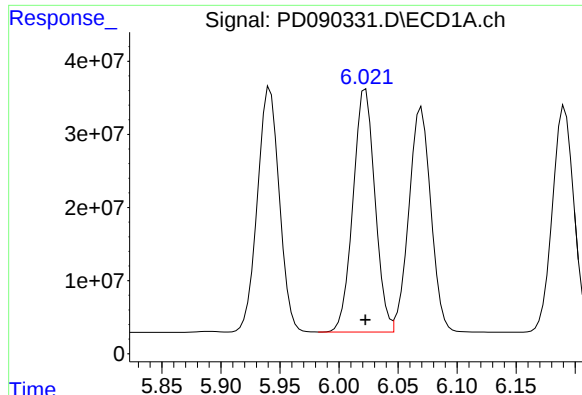
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 431438604
Conc: 77.25 ng/ml



#10 gamma-Chlordane

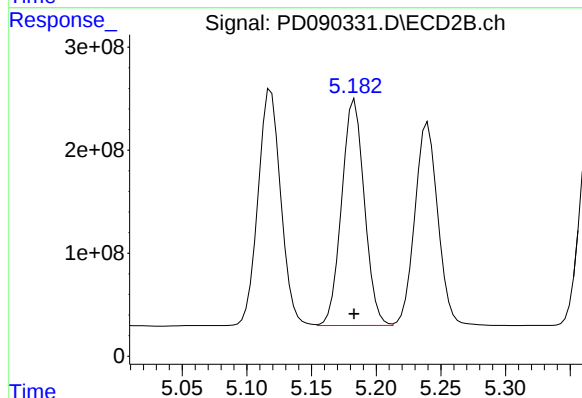
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 2800318420
Conc: 74.61 ng/ml



#11 alpha-Chlordane

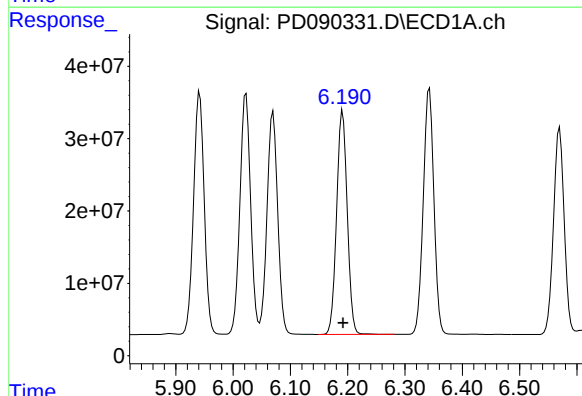
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 429339633
Conc: 76.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



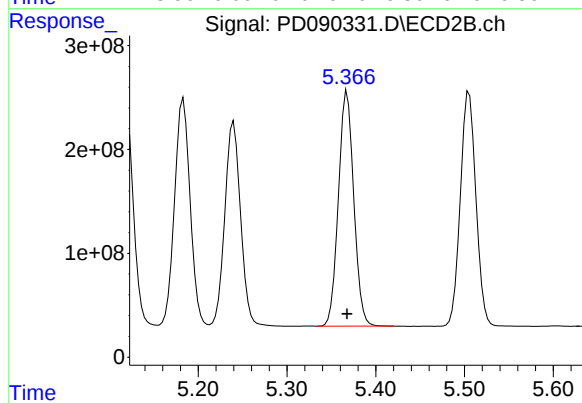
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 2674927820
Conc: 74.34 ng/ml



#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 396552455
Conc: 77.32 ng/ml



#12 4,4'-DDE

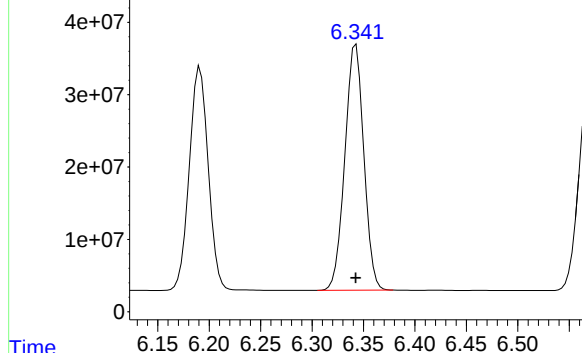
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2720410597
Conc: 74.15 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 436041519
Conc: 77.06 ng/ml

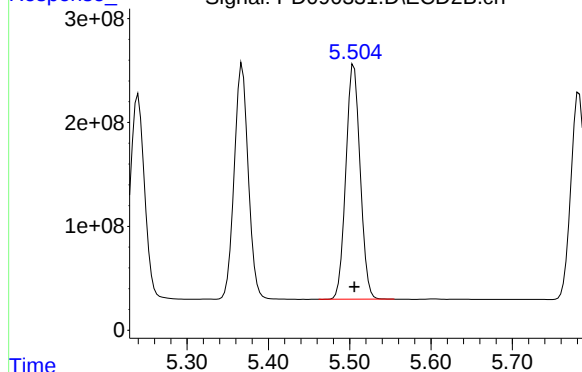
Instrument :
ECD_D
ClientSampleId :
PSTDICC075



Time Response_ Signal: PD090331.D\ECD2B.ch

#13 Dieldrin

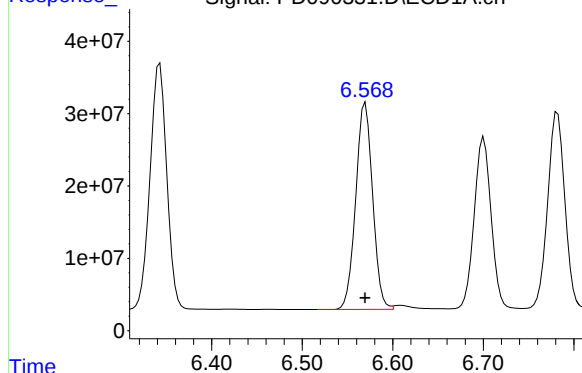
R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 2754253778
Conc: 73.72 ng/ml



Time Response_ Signal: PD090331.D\ECD1A.ch

#14 Endrin

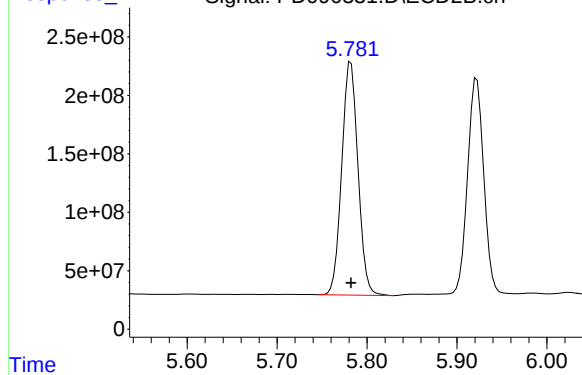
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 369723579
Conc: 77.17 ng/ml

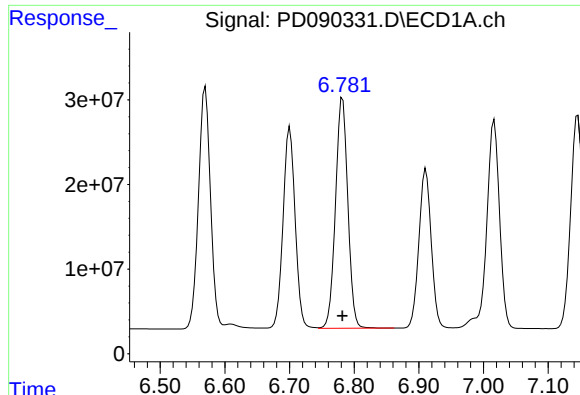


Time Response_ Signal: PD090331.D\ECD2B.ch

#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 2504836912
Conc: 73.63 ng/ml

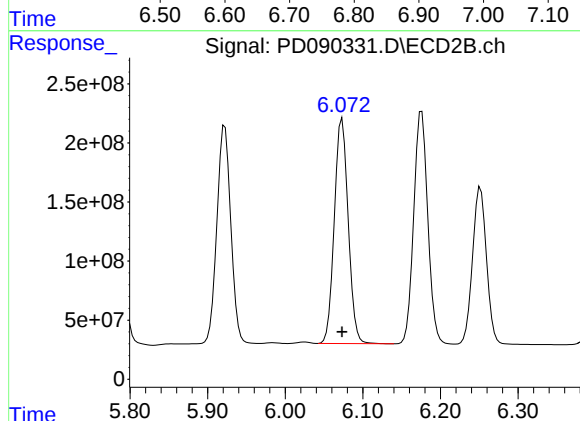




#15 Endosulfan II

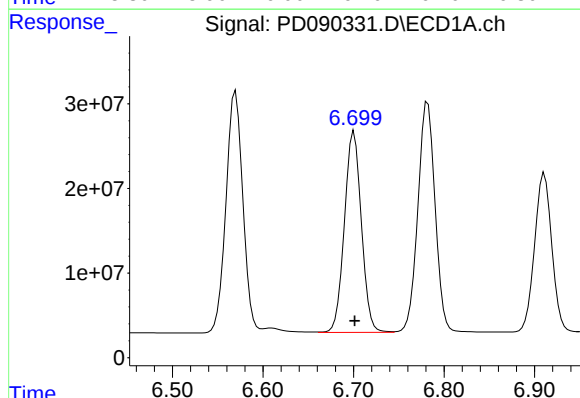
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 360741782
Conc: 75.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



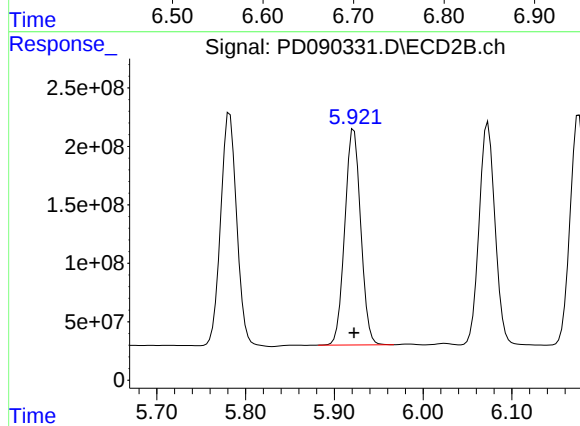
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 2368556331
Conc: 73.37 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 309793667
Conc: 77.18 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 2301936261
Conc: 74.23 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 339271857
Conc: 77.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time 6.60 6.70 6.80 6.90 7.00 7.10 7.20 7.30 7.40

Response_ Signal: PD090331.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2482678795
Conc: 74.66 ng/ml

Time 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30 6.35

Response_ Signal: PD090331.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 249056297
Conc: 75.27 ng/ml

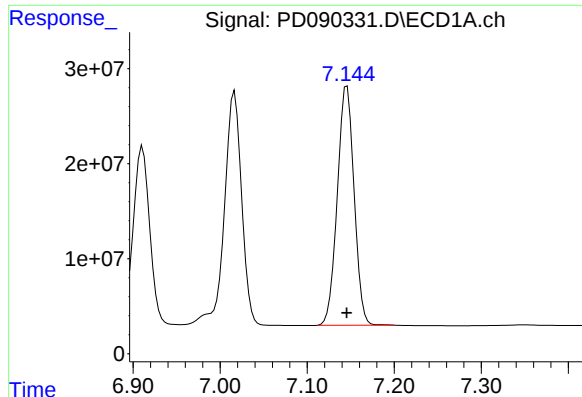
Time 6.70 6.80 6.90 7.00 7.10

Response_ Signal: PD090331.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1656945668
Conc: 73.11 ng/ml

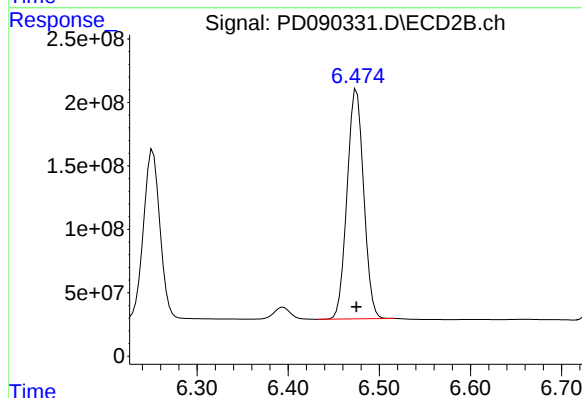
Time 6.10 6.20 6.30 6.40



#19 Endosulfan Sulfate

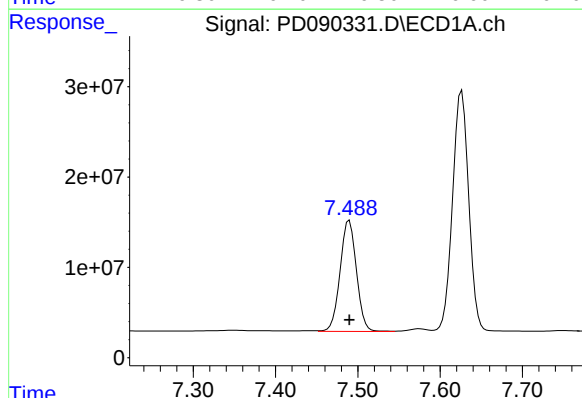
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 337866297
Conc: 75.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



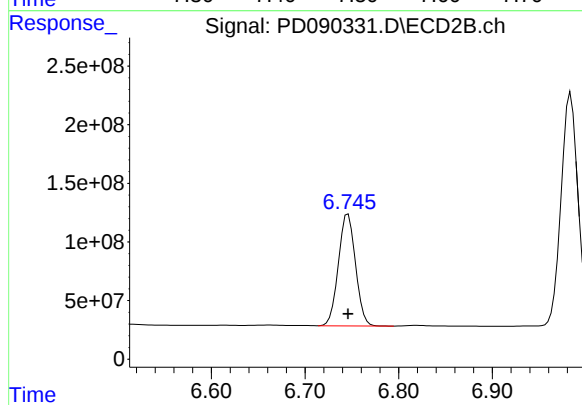
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 2291523819
Conc: 73.61 ng/ml



#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 169784237
Conc: 75.34 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1211440262
Conc: 73.09 ng/ml

Response_ Signal: PD090331.D\ECD1A.ch

#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 367322353
Conc: 76.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Time 7.30 7.40 7.50 7.60 7.70 7.80 7.90

Response_ Signal: PD090331.D\ECD2B.ch

#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 2512027163
Conc: 73.12 ng/ml

Time 6.70 6.80 6.90 7.00 7.10 7.20

Response_ Signal: PD090331.D\ECD1A.ch

#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 259377910
Conc: 74.36 ng/ml

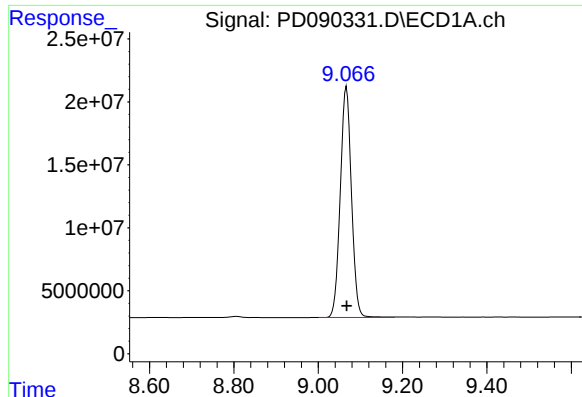
Time 7.80 7.90 8.00 8.10 8.20 8.30 8.40

Response_ Signal: PD090331.D\ECD2B.ch

#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1905389535
Conc: 73.50 ng/ml

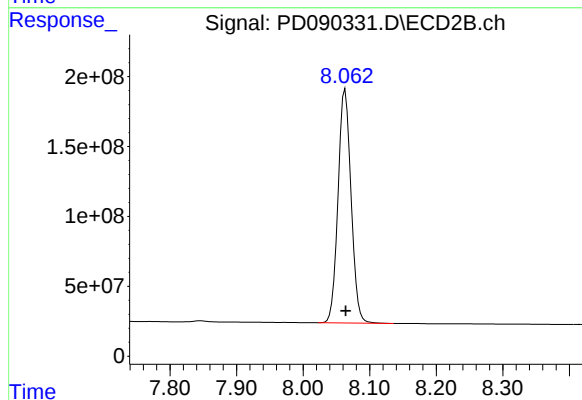
Time 6.90 7.00 7.10 7.20 7.30 7.40



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 336873691
Conc: 73.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 2271124740
Conc: 74.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	155.5E6	1300.5E6	50.000	50.000
28) SA Decachlor...	9.068	8.064	228.4E6	1515.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.995	3.388	346.5E6	2093.9E6	50.000	50.000
3) MA gamma-BHC...	4.326	3.724	326.2E6	1944.7E6	50.000	50.000
4) MA Heptachlor	4.925	4.076	324.3E6	1944.4E6	50.000	50.000
5) MB Aldrin	5.266	4.362	311.7E6	1913.6E6	50.000	50.000
6) B beta-BHC	4.513	4.020	123.2E6	822.5E6	50.000	50.000
7) B delta-BHC	4.761	4.256	321.8E6	1981.3E6	50.000	50.000
8) B Heptachlo...	5.686	4.866	276.0E6	1744.1E6	50.000	50.000
9) A Endosulfan I	6.070	5.240	262.3E6	1654.1E6	50.000	50.000
10) B gamma-Chl...	5.942	5.118	279.2E6	1876.6E6	50.000	50.000
11) B alpha-Chl...	6.022	5.183	280.2E6	1799.2E6	50.000	50.000
12) B 4,4'-DDE	6.192	5.368	256.4E6	1834.3E6	50.000	50.000
13) MA Dieldrin	6.343	5.506	282.9E6	1867.9E6	50.000	50.000
14) MA Endrin	6.569	5.782	239.5E6	1701.1E6	50.000	50.000
15) B Endosulfa...	6.782	6.073	238.4E6	1614.2E6	50.000	50.000
16) A 4,4'-DDD	6.701	5.922	200.7E6	1550.5E6	50.000	50.000
17) MA 4,4'-DDT	7.017	6.176	218.6E6	1662.5E6	50.000	50.000
18) B Endrin al...	6.911	6.252	165.4E6	1133.2E6	50.000	50.000
19) B Endosulfa...	7.146	6.475	222.6E6	1556.4E6	50.000	50.000
20) A Methoxychlor	7.490	6.746	112.7E6	828.7E6	50.000	50.000
21) B Endrin ke...	7.627	6.984	239.7E6	1717.8E6	50.000	50.000
22) Mirex	8.109	7.177	174.4E6	1296.3E6	50.000	50.000

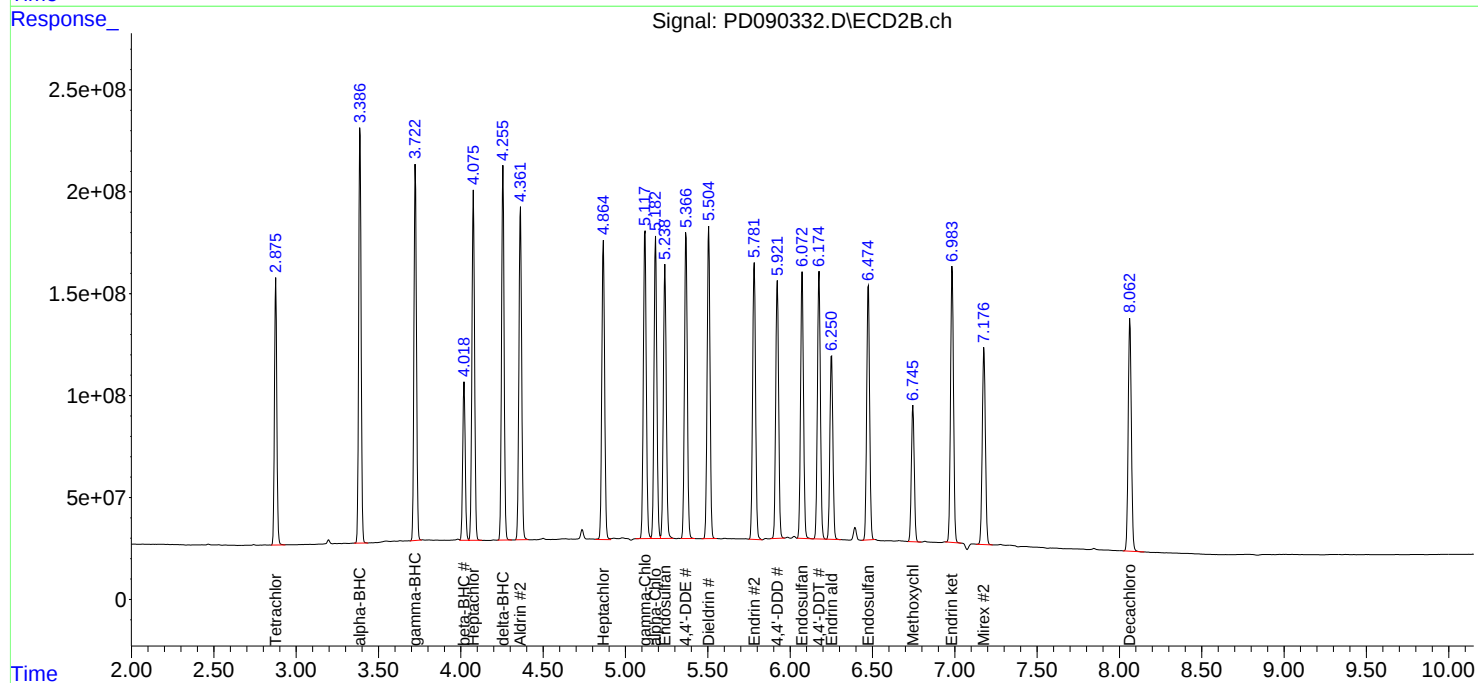
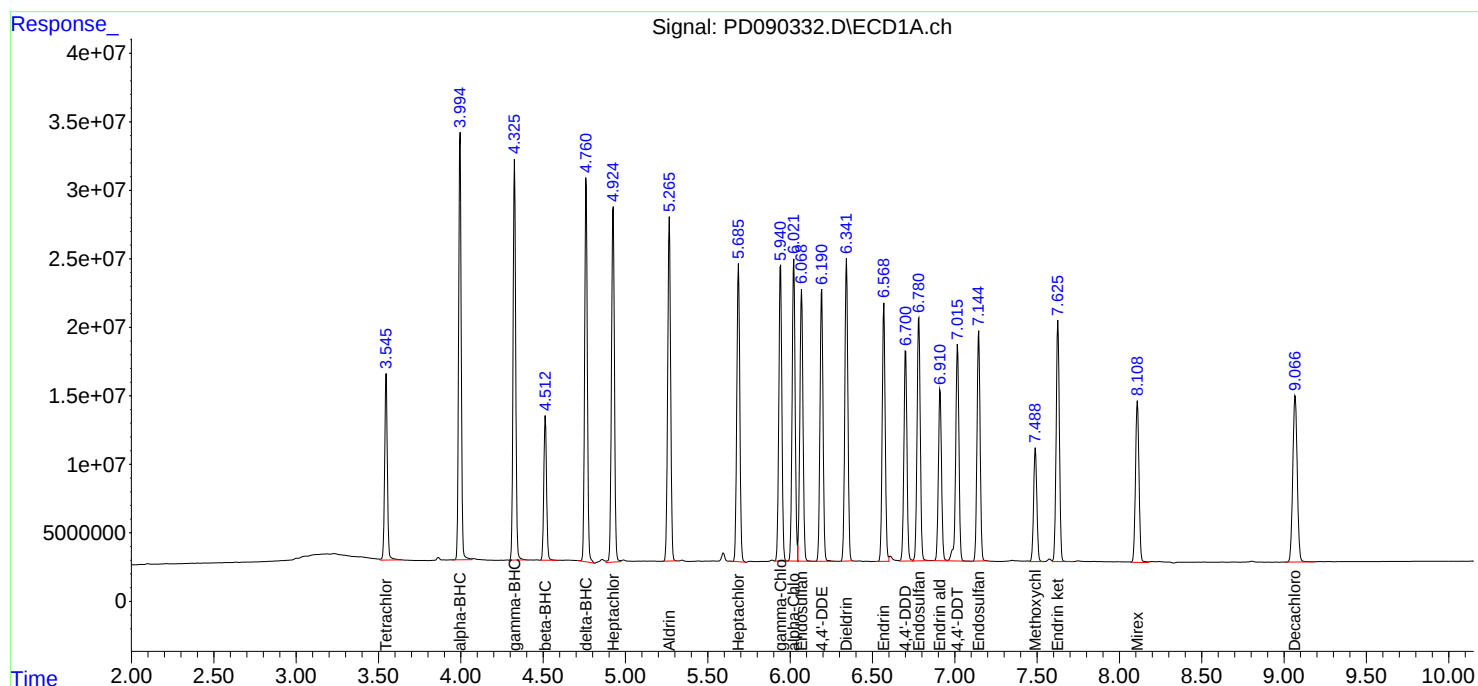
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:57
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

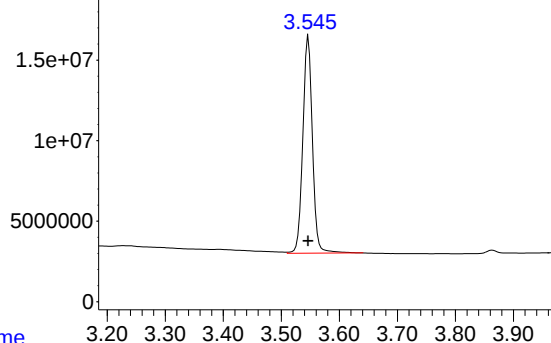
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090332.D\ECD1A.ch

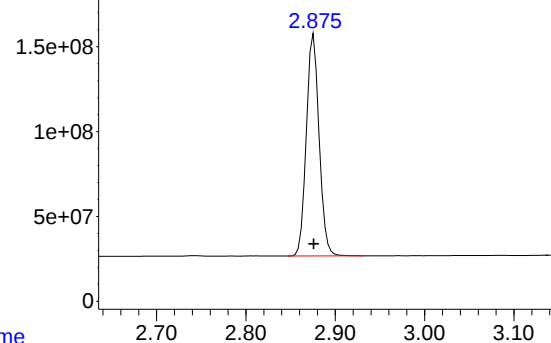


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 155497674
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

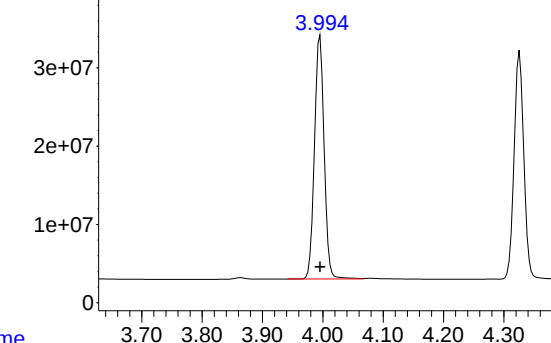
Time Response_ Signal: PD090332.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1300504550
Conc: 50.00 ng/ml

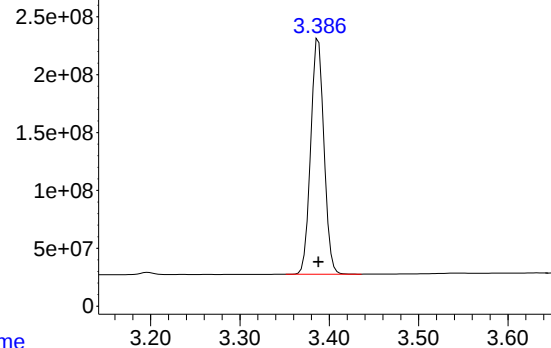
Time Response_ Signal: PD090332.D\ECD1A.ch



#2 alpha-BHC

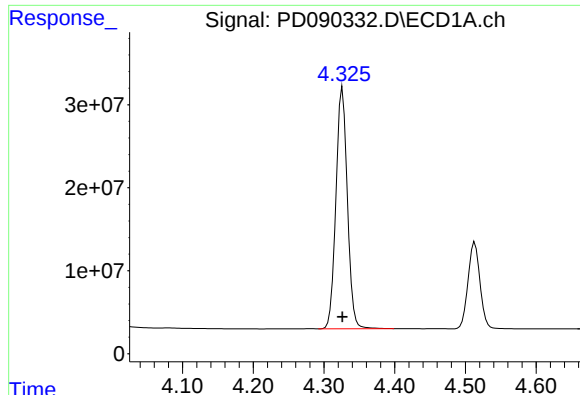
R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 346470849
Conc: 50.00 ng/ml

Time Response_ Signal: PD090332.D\ECD2B.ch



#2 alpha-BHC

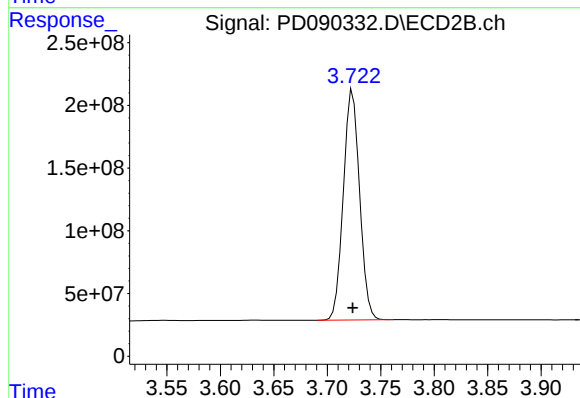
R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2093851930
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

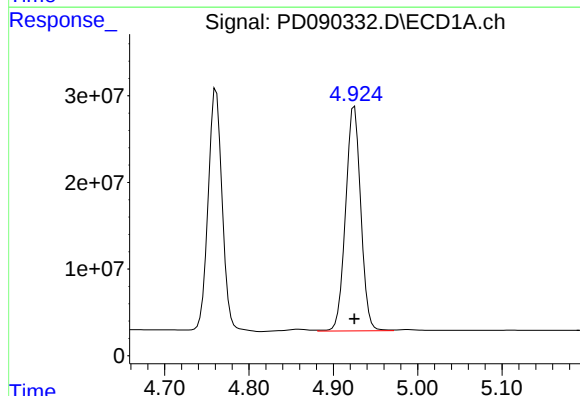
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 326216936
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



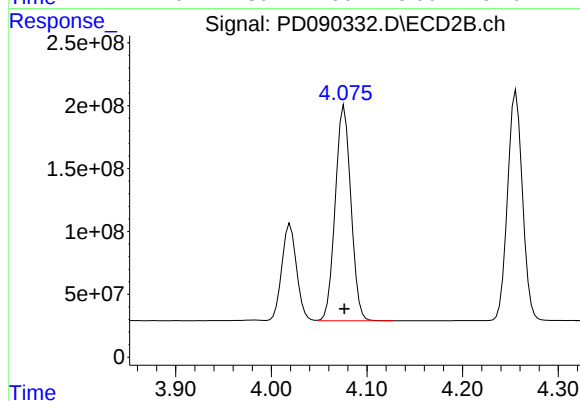
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1944657496
Conc: 50.00 ng/ml



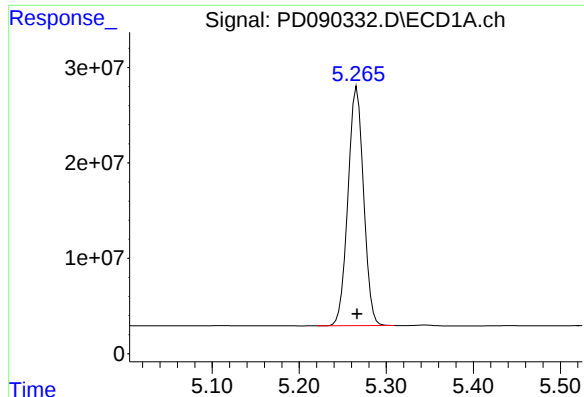
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 324309907
Conc: 50.00 ng/ml



#4 Heptachlor

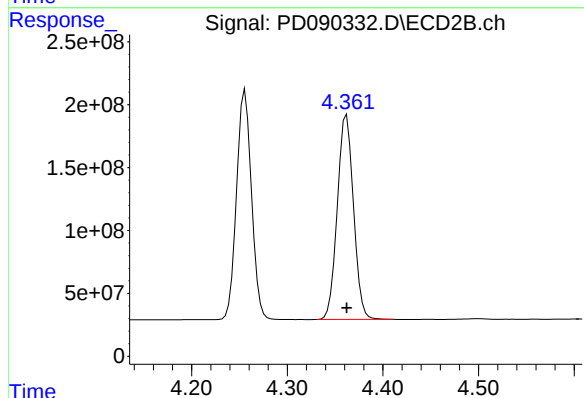
R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1944351724
Conc: 50.00 ng/ml



#5 Aldrin

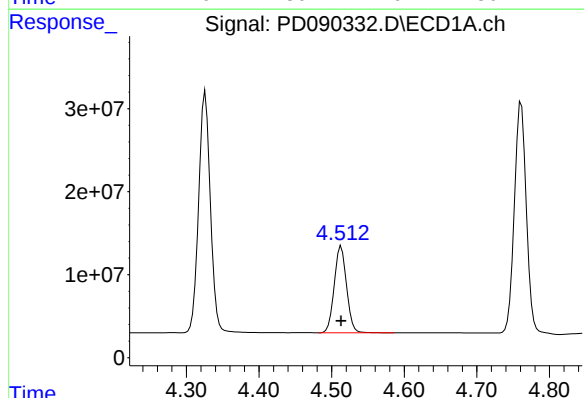
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 311695380
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



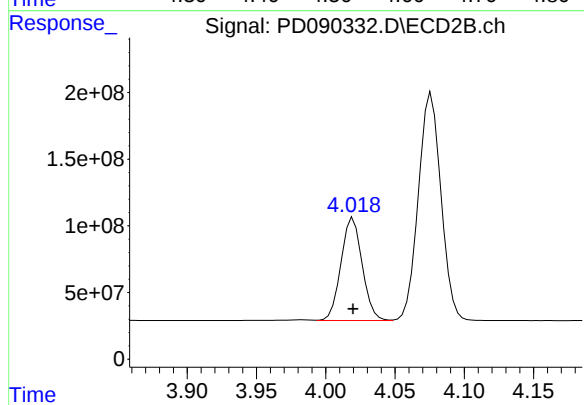
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1913628189
Conc: 50.00 ng/ml



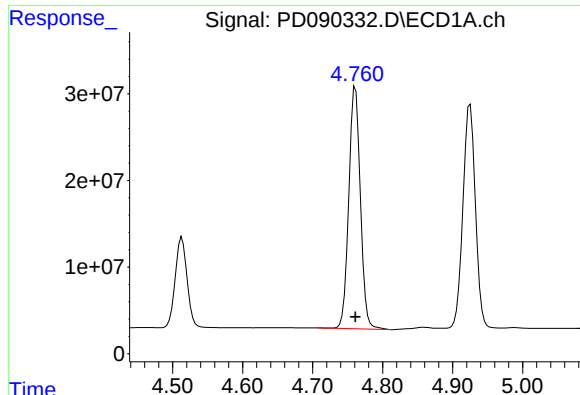
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 123206339
Conc: 50.00 ng/ml



#6 beta-BHC

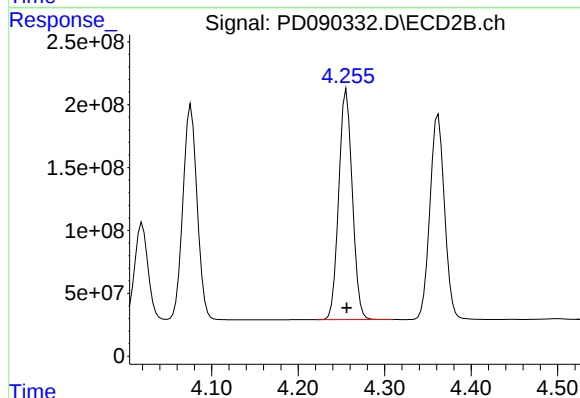
R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 822545301
Conc: 50.00 ng/ml



#7 delta-BHC

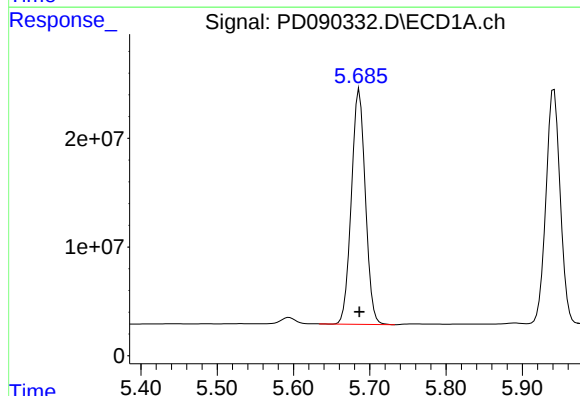
R.T.: 4.761 min
Delta R.T.: 0.000 min
Response: 321839919
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



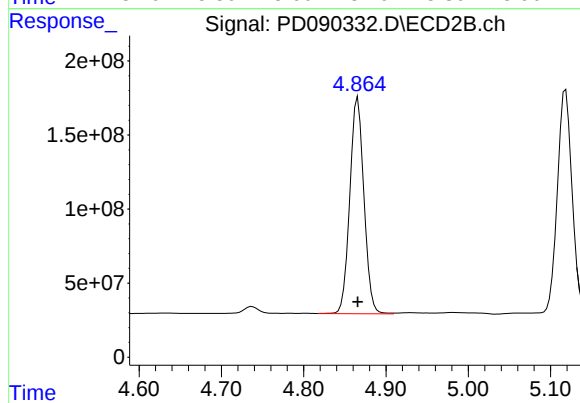
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1981257525
Conc: 50.00 ng/ml



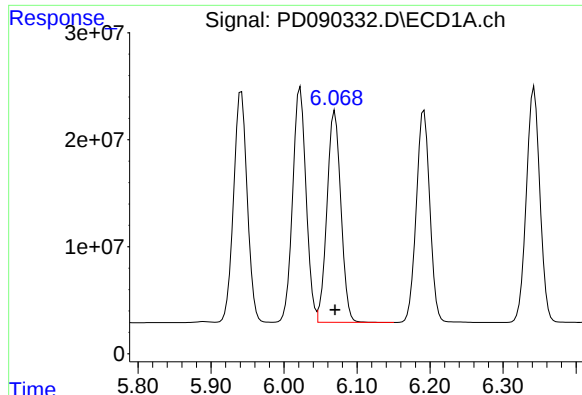
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 276033789
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

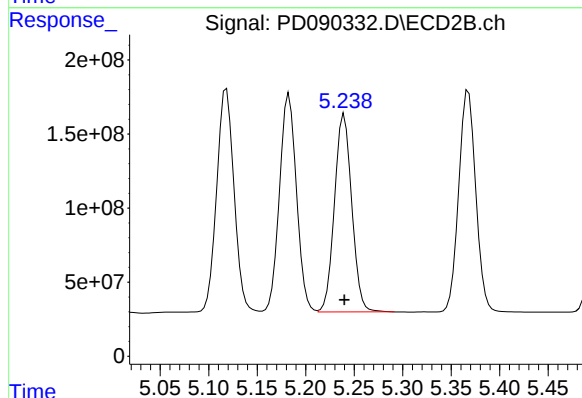
R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1744104321
Conc: 50.00 ng/ml



#9 Endosulfan I

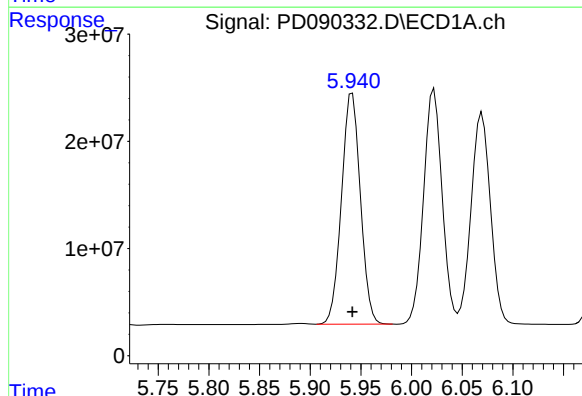
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 262349587
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



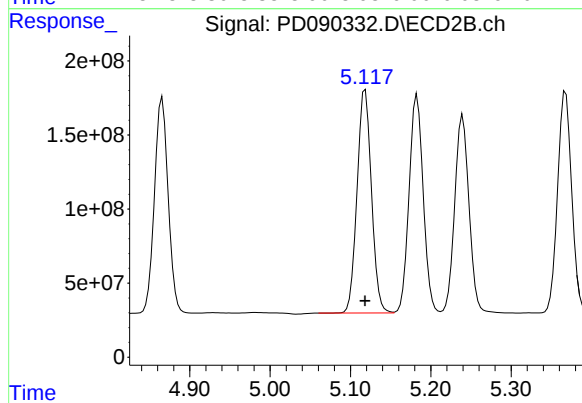
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1654086495
Conc: 50.00 ng/ml



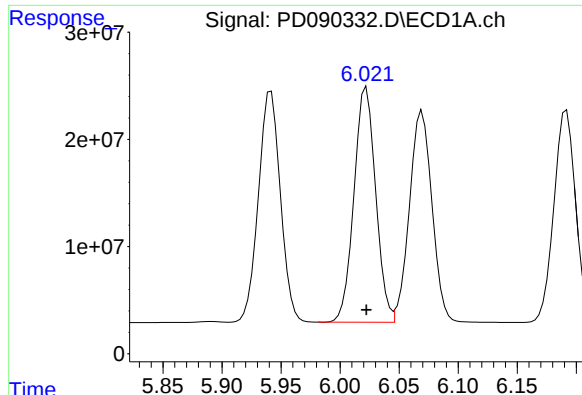
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 279245068
Conc: 50.00 ng/ml



#10 gamma-Chlordane

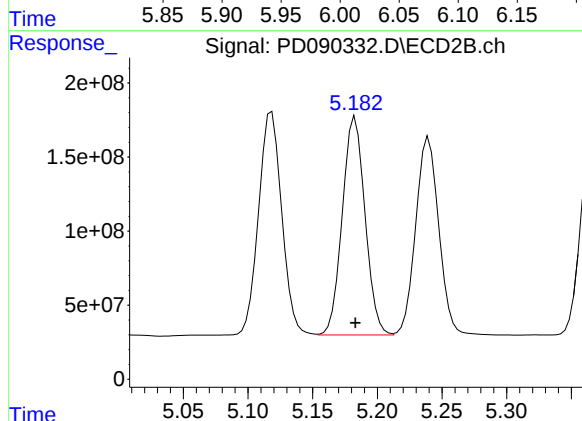
R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1876649611
Conc: 50.00 ng/ml



#11 alpha-Chlordane

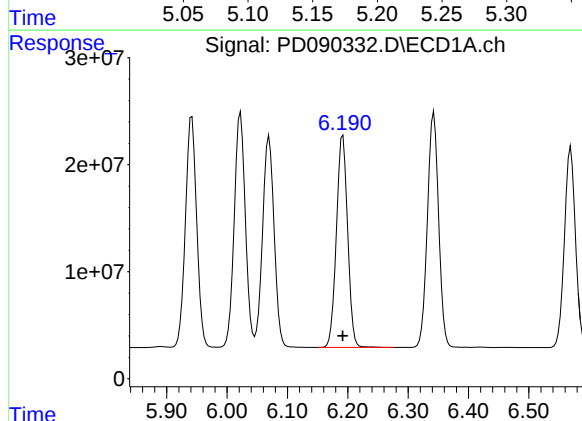
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 280226998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



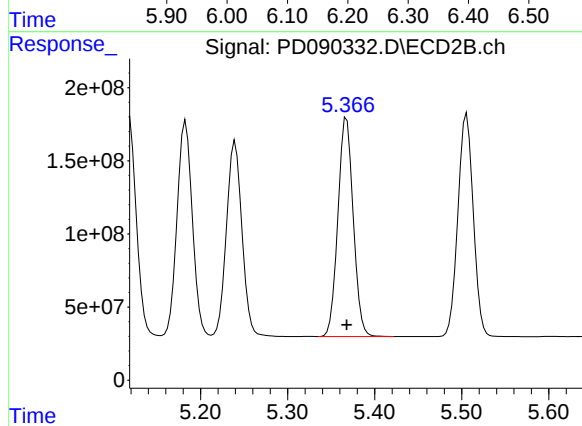
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1799180172
Conc: 50.00 ng/ml



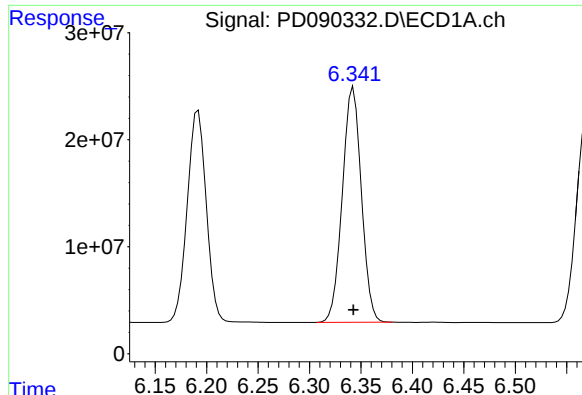
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 256436450
Conc: 50.00 ng/ml



#12 4,4'-DDE

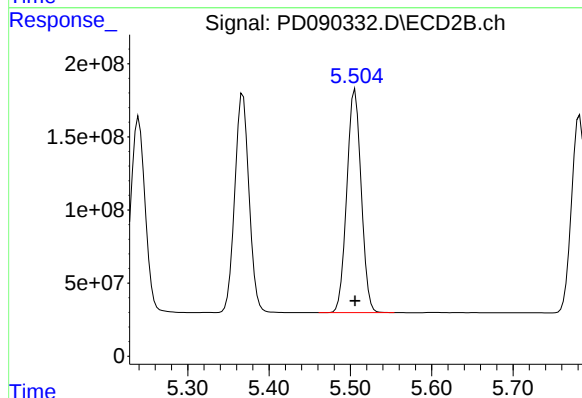
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1834310537
Conc: 50.00 ng/ml



#13 Dieldrin

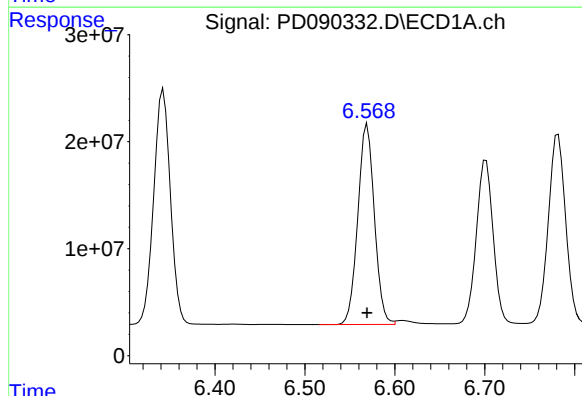
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 282932998
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



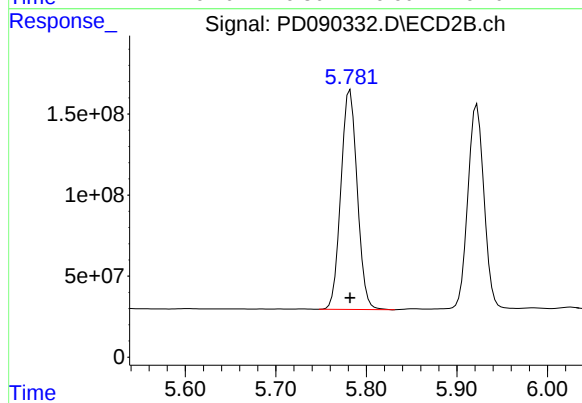
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1867939646
Conc: 50.00 ng/ml



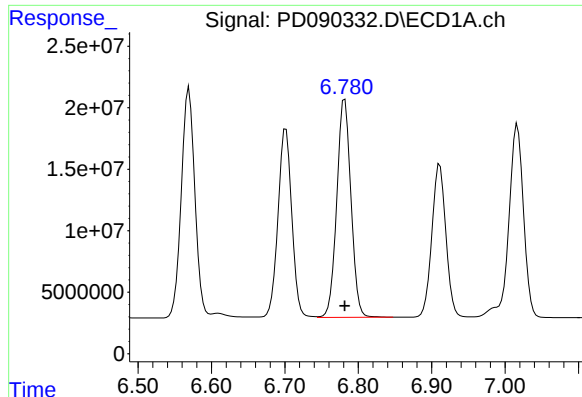
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 239539982
Conc: 50.00 ng/ml



#14 Endrin

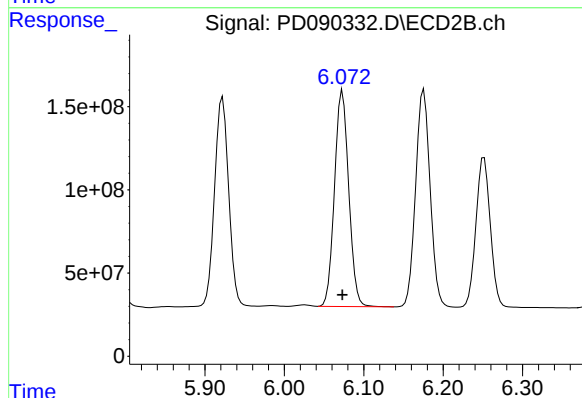
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1701062730
Conc: 50.00 ng/ml



#15 Endosulfan II

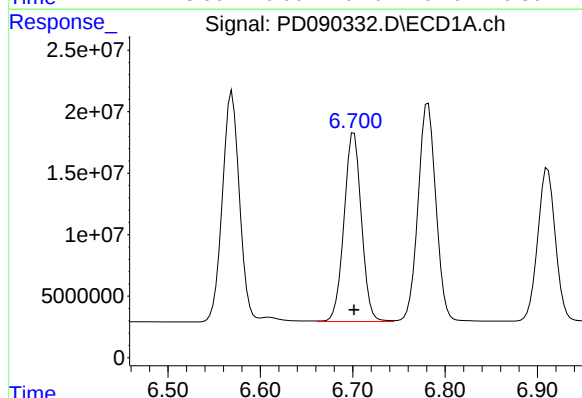
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 238391670
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



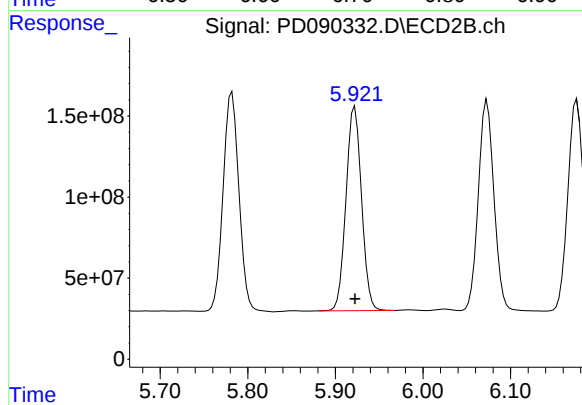
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1614156368
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 200700355
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1550459395
Conc: 50.00 ng/ml

Response_ Signal: PD090332.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 218639835
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PD090332.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1662549313
Conc: 50.00 ng/ml

Time

Response_ Signal: PD090332.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 165432560
Conc: 50.00 ng/ml

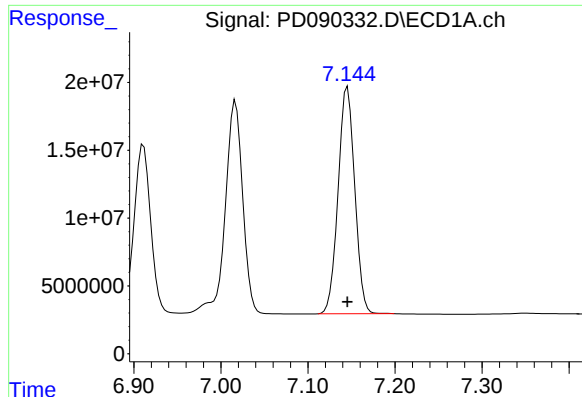
Time

Response_ Signal: PD090332.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1133152846
Conc: 50.00 ng/ml

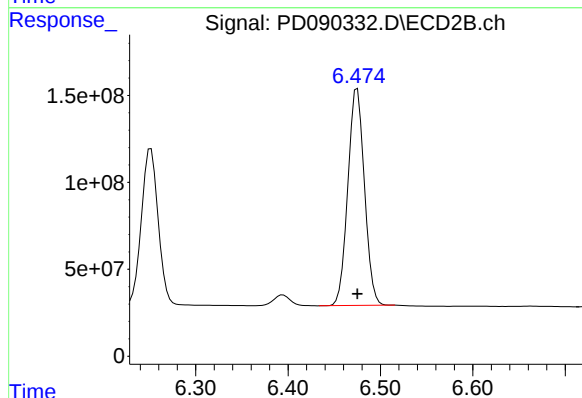
Time



#19 Endosulfan Sulfate

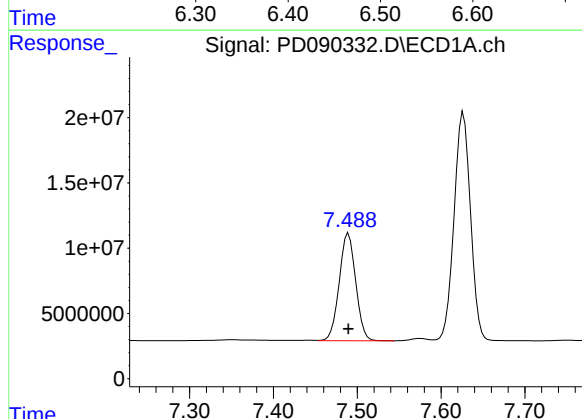
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 222552187
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



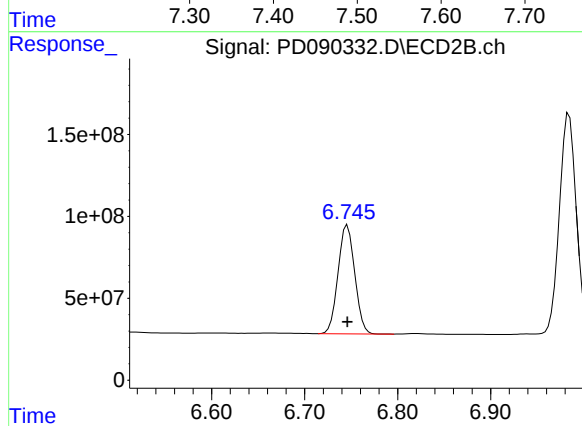
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 1556436935
Conc: 50.00 ng/ml



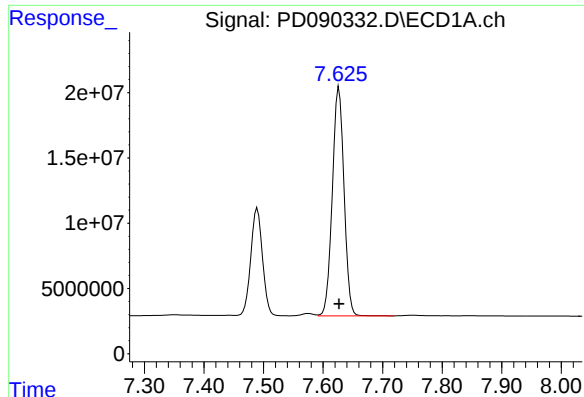
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 112671522
Conc: 50.00 ng/ml



#20 Methoxychlor

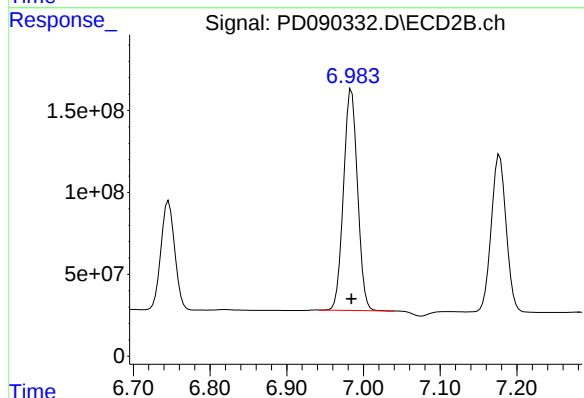
R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 828748764
Conc: 50.00 ng/ml



#21 Endrin ketone

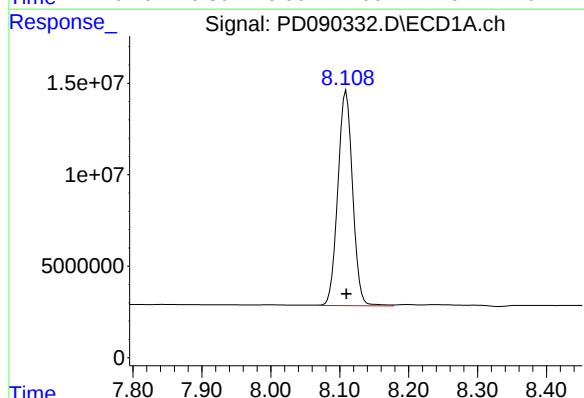
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 239721203
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



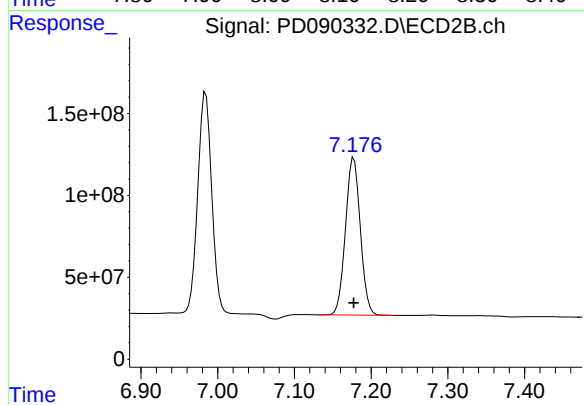
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1717840218
Conc: 50.00 ng/ml



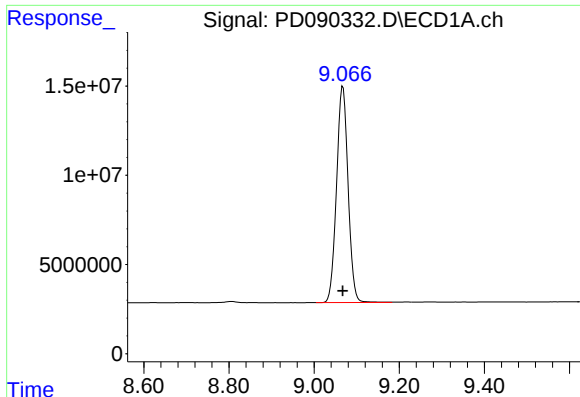
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 174416282
Conc: 50.00 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1296252798
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

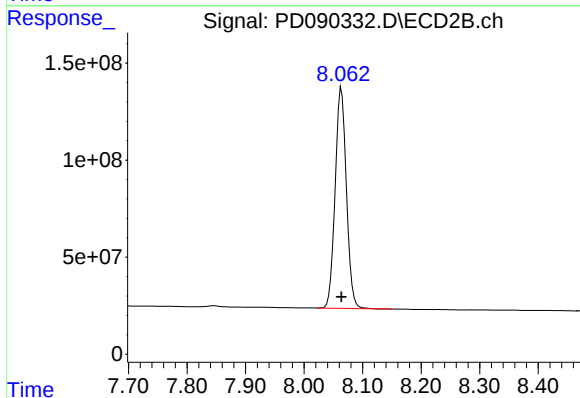
R.T.: 9.068 min

Delta R.T.: 0.000 min

Response: 228445280

Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 1515420635

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	82854234	691.8E6	26.642	26.597
28) SA Decachlor...	9.067	8.064	121.9E6	806.0E6	26.689	26.593
Target Compounds						
2) A alpha-BHC	3.996	3.388	166.5E6	1093.8E6	24.032	26.119
3) MA gamma-BHC...	4.326	3.724	158.3E6	1016.2E6	24.266	26.128
4) MA Heptachlor	4.925	4.077	161.1E6	1028.9E6	24.830	26.459
5) MB Aldrin	5.266	4.363	153.4E6	1007.5E6	24.606	26.324
6) B beta-BHC	4.513	4.020	64059316	438.0E6	25.997	26.626
7) B delta-BHC	4.762	4.257	154.9E6	1031.3E6	24.067	26.027
8) B Heptachlo...	5.686	4.866	138.7E6	930.1E6	25.131	26.664
9) A Endosulfan I	6.070	5.241	132.4E6	881.0E6	25.235	26.632
10) B gamma-Chl...	5.942	5.119	138.8E6	984.2E6	24.845	26.222
11) B alpha-Chl...	6.023	5.183	140.5E6	948.1E6	25.069	26.349
12) B 4,4'-DDE	6.192	5.368	125.6E6	969.1E6	24.492	26.415
13) MA Dieldrin	6.343	5.506	139.8E6	988.2E6	24.705	26.451
14) MA Endrin	6.570	5.782	118.3E6	936.3E6	24.696	27.520
15) B Endosulfa...	6.782	6.074	118.3E6	856.7E6	24.811	26.538
16) A 4,4'-DDD	6.702	5.922	99114690	822.6E6	24.692	26.527
17) MA 4,4'-DDT	7.017	6.176	107.9E6	868.4E6	24.672	26.117
18) B Endrin al...	6.912	6.252	84815631	597.7E6	25.635	26.373
19) B Endosulfa...	7.146	6.476	113.5E6	829.7E6	25.489	26.654
20) A Methoxychlor	7.490	6.747	58886348	447.5E6	26.132	26.998
21) B Endrin ke...	7.627	6.985	121.6E6	920.0E6	25.368	26.778
22) Mirex	8.110	7.178	93886990	701.1E6	26.915	27.043

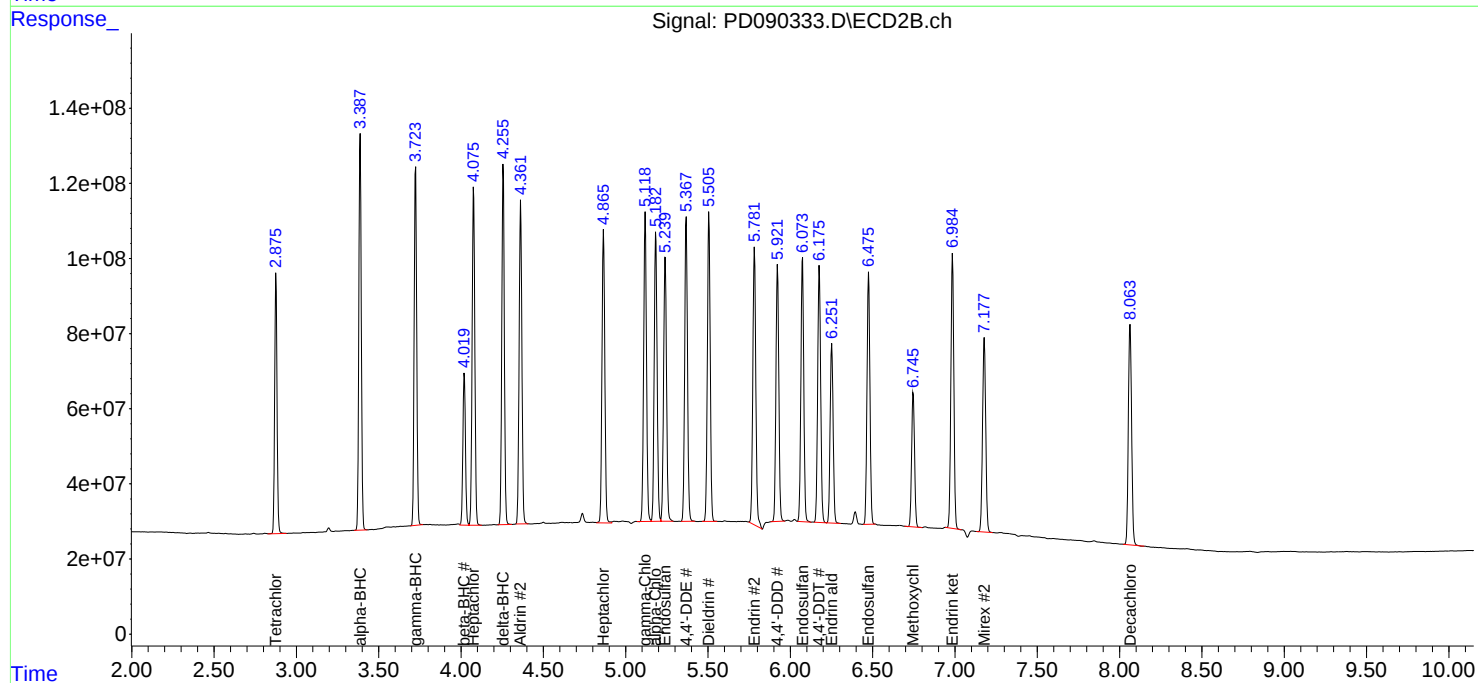
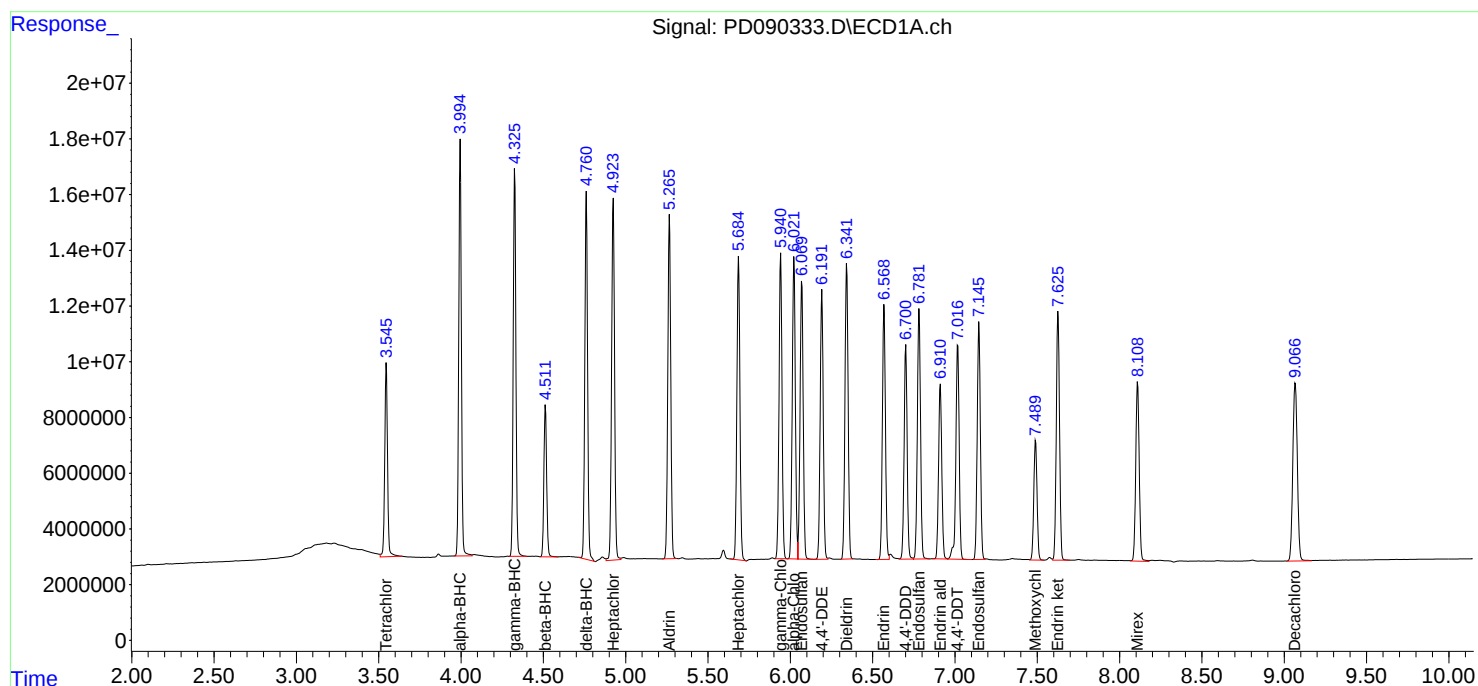
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:11
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090333.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 82854234
Conc: 26.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PD090333.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 691796344
Conc: 26.60 ng/ml

Time 2.60 2.70 2.80 2.90 3.00 3.10

Response_ Signal: PD090333.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 166527736
Conc: 24.03 ng/ml

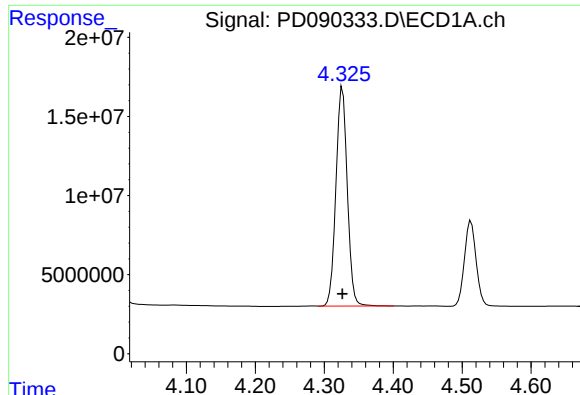
Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

Response_ Signal: PD090333.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 1093790855
Conc: 26.12 ng/ml

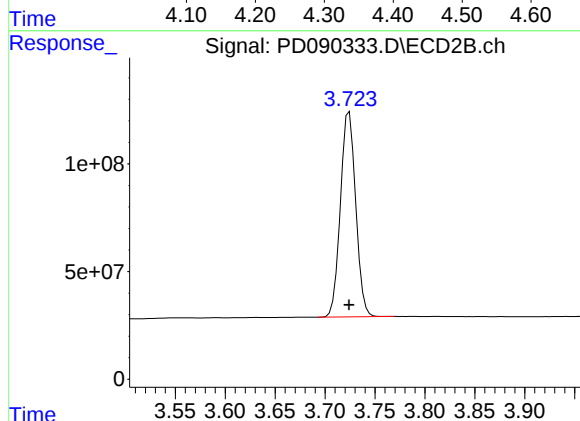
Time 3.20 3.30 3.40 3.50 3.60



#3 gamma-BHC (Lindane)

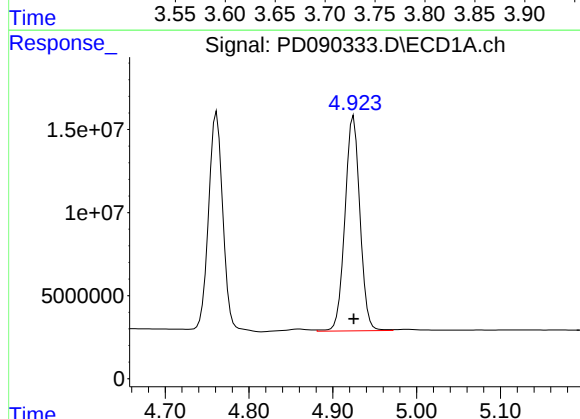
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 158317462
Conc: 24.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



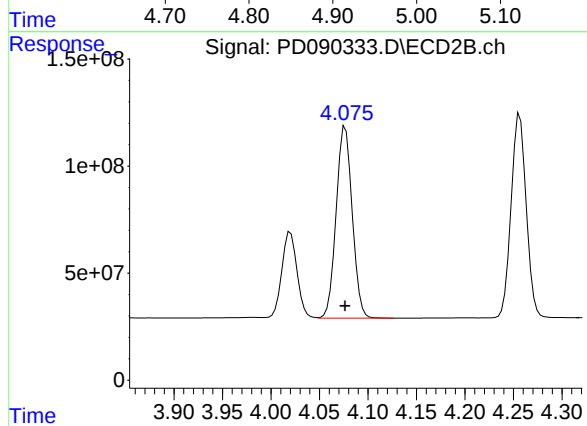
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1016199017
Conc: 26.13 ng/ml



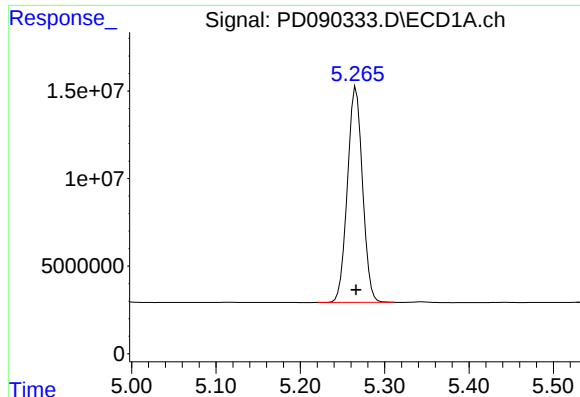
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 161051161
Conc: 24.83 ng/ml



#4 Heptachlor

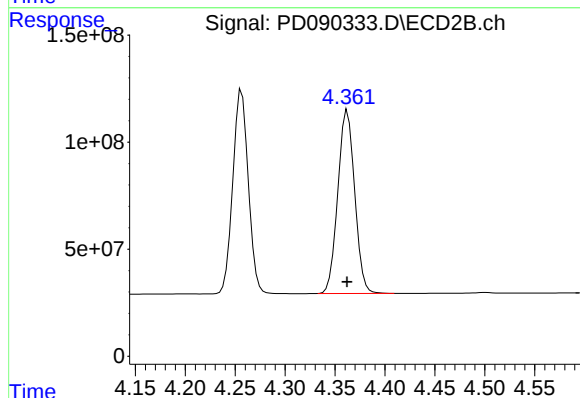
R.T.: 4.077 min
Delta R.T.: 0.000 min
Response: 1028906691
Conc: 26.46 ng/ml



#5 Aldrin

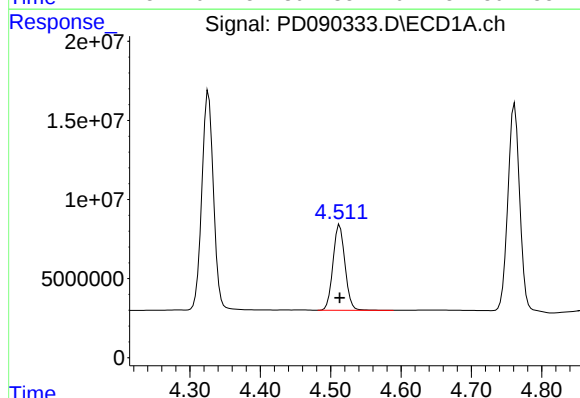
R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 153388666
Conc: 24.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



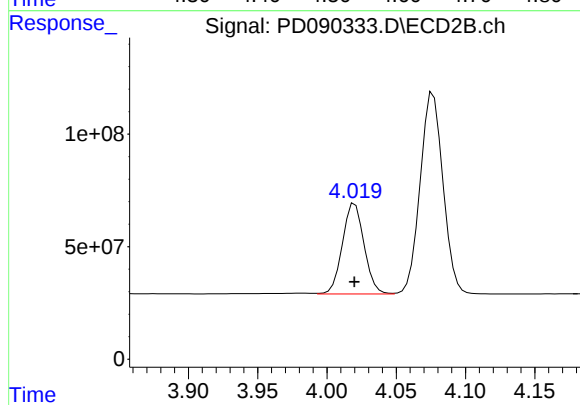
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1007501721
Conc: 26.32 ng/ml



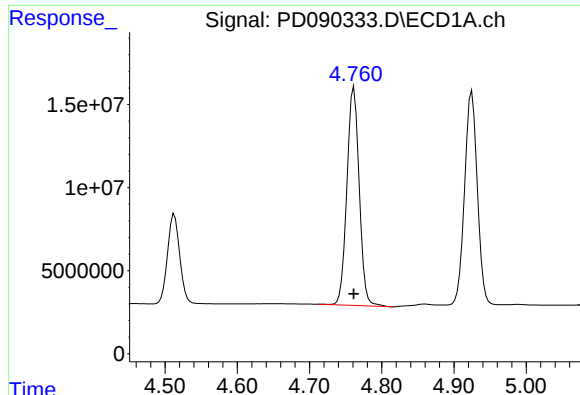
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 64059316
Conc: 26.00 ng/ml



#6 beta-BHC

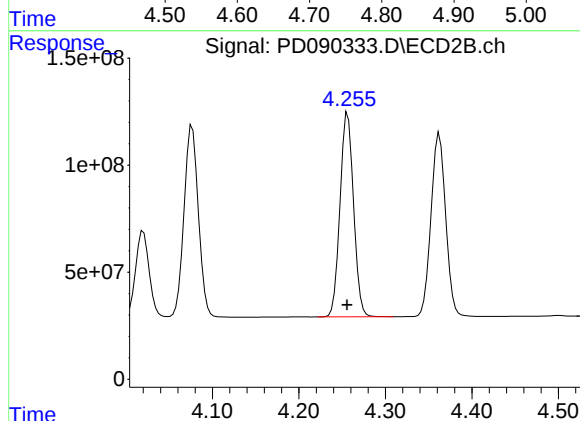
R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 438015052
Conc: 26.63 ng/ml



#7 delta-BHC

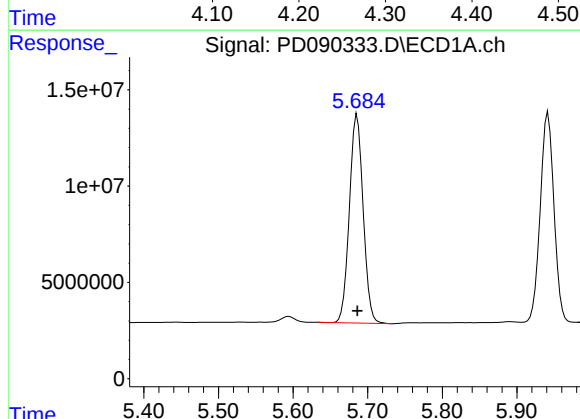
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 154914773
Conc: 24.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



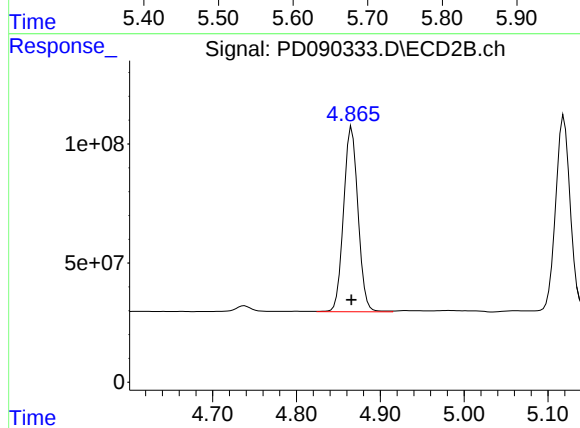
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1031320788
Conc: 26.03 ng/ml



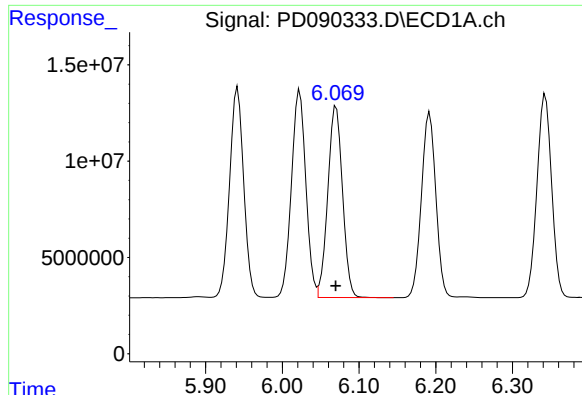
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 138738621
Conc: 25.13 ng/ml



#8 Heptachlor epoxide

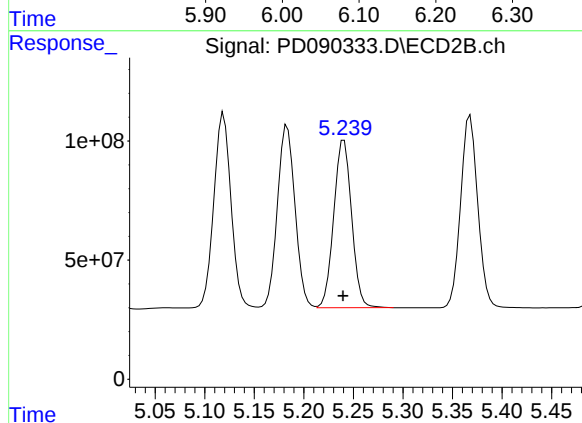
R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 930092968
Conc: 26.66 ng/ml



#9 Endosulfan I

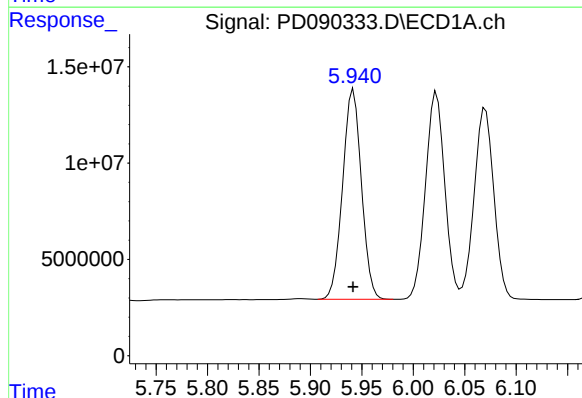
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 132405225
Conc: 25.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



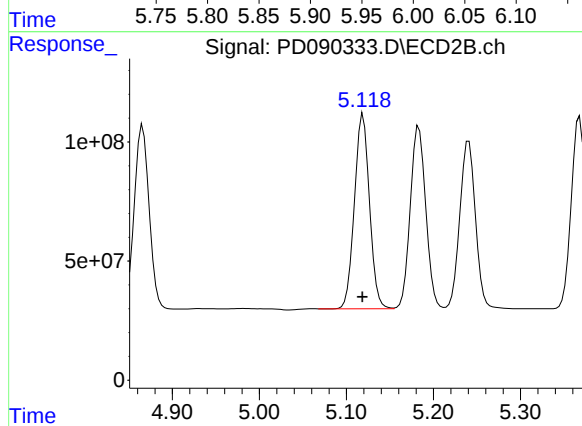
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 881026712
Conc: 26.63 ng/ml



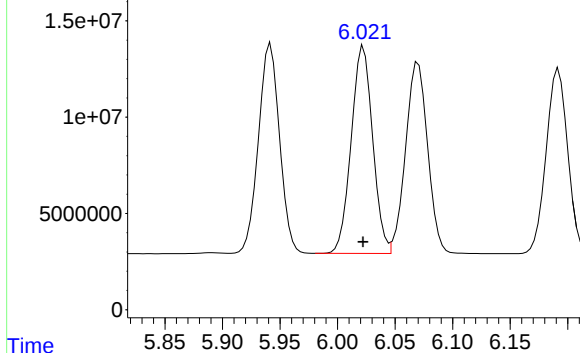
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 138757109
Conc: 24.85 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 984171821
Conc: 26.22 ng/ml



R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 140499730
Conc: 25.07 ng/ml

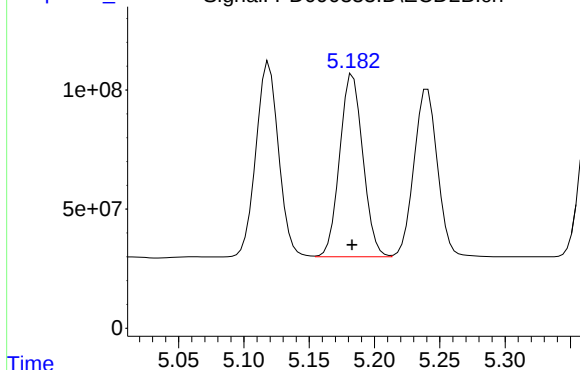
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#11 alpha-Chlordane



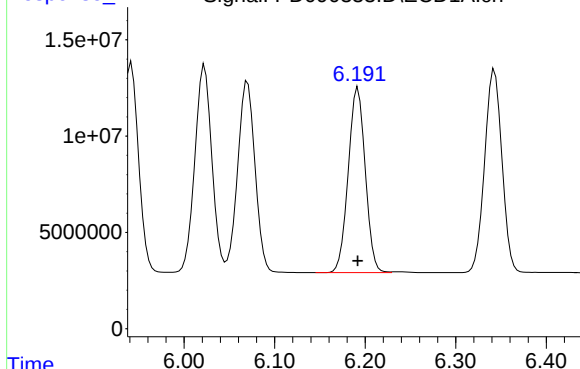
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 948136028
Conc: 26.35 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#12 4,4'-DDE



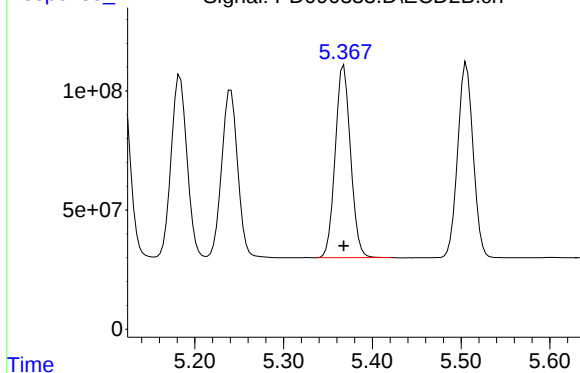
R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 125610676
Conc: 24.49 ng/ml

Time

Response_

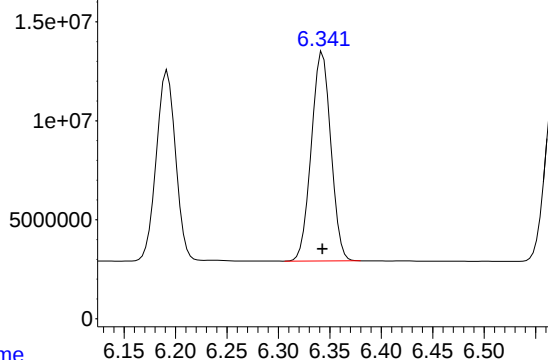
Signal: PD090333.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 969076092
Conc: 26.42 ng/ml

Response_ Signal: PD090333.D\ECD1A.ch

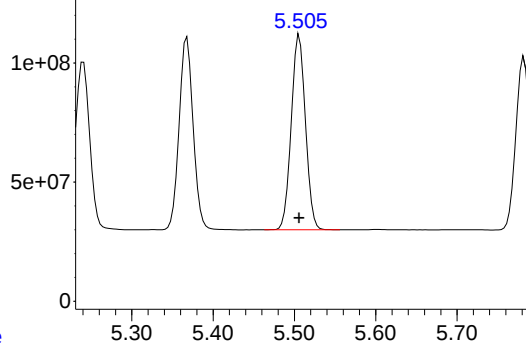


#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139796317
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

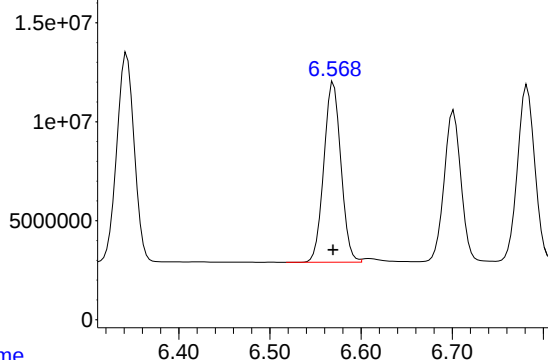
Time Response_ Signal: PD090333.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 988187991
Conc: 26.45 ng/ml

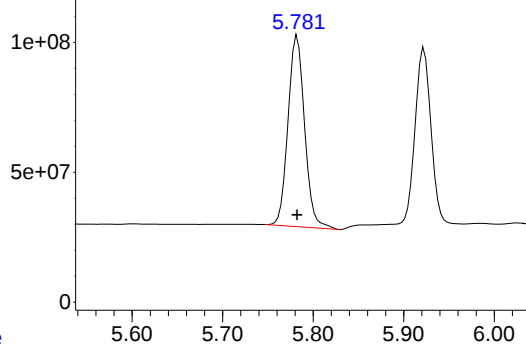
Time Response_ Signal: PD090333.D\ECD1A.ch



#14 Endrin

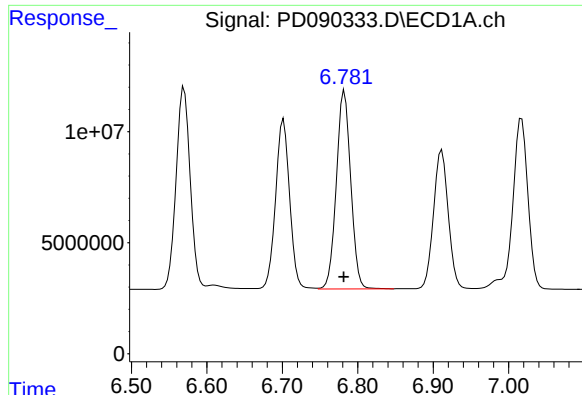
R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 118315739
Conc: 24.70 ng/ml

Time Response_ Signal: PD090333.D\ECD2B.ch



#14 Endrin

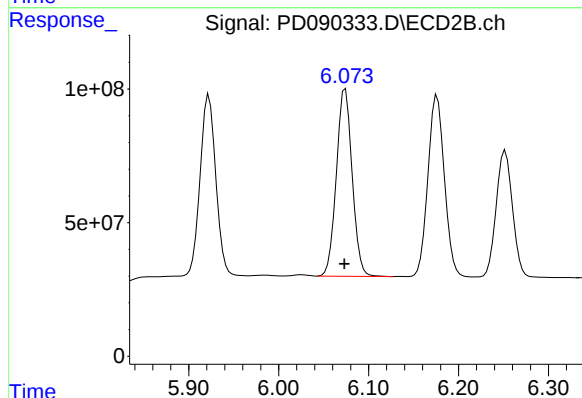
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 936258872
Conc: 27.52 ng/ml



#15 Endosulfan II

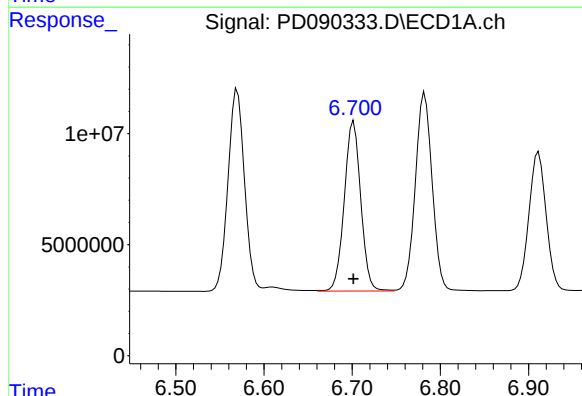
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 118294825
Conc: 24.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



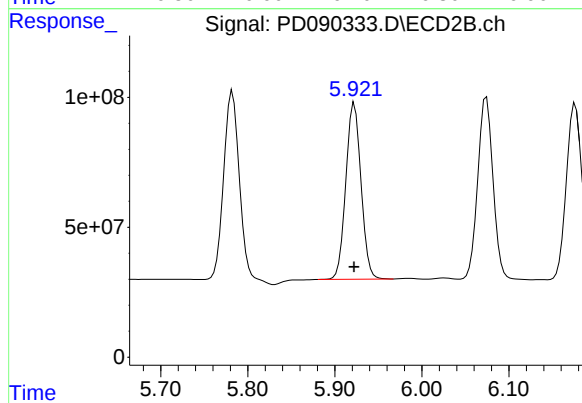
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 856725923
Conc: 26.54 ng/ml



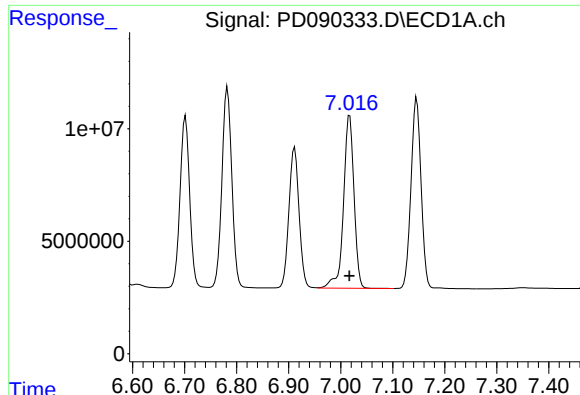
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 99114690
Conc: 24.69 ng/ml



#16 4,4'-DDD

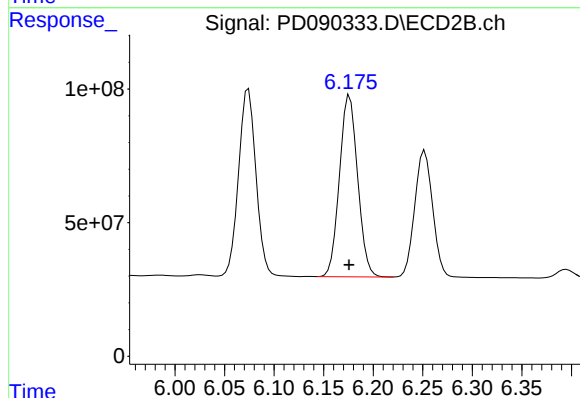
R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 822587646
Conc: 26.53 ng/ml



#17 4,4'-DDT

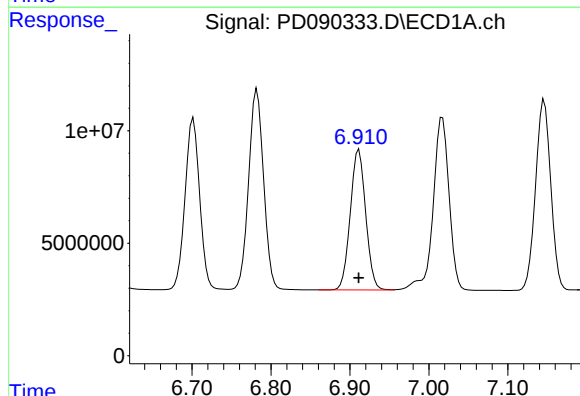
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 107884441
Conc: 24.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



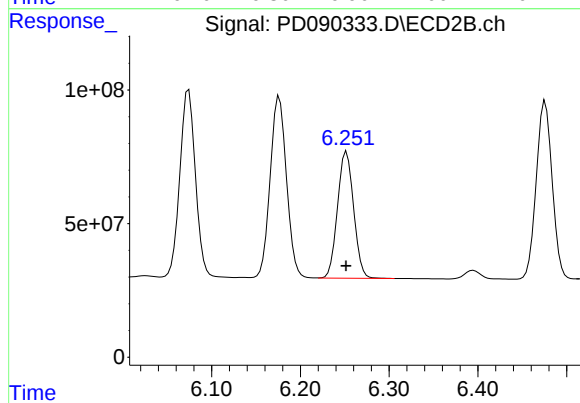
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 868412878
Conc: 26.12 ng/ml



#18 Endrin aldehyde

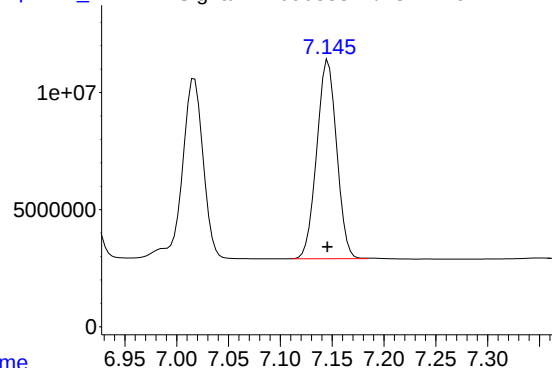
R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 84815631
Conc: 25.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 597699980
Conc: 26.37 ng/ml

Response_ Signal: PD090333.D\ECD1A.ch

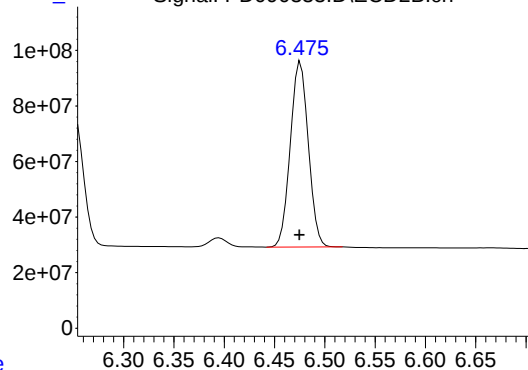


#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 113450456
Conc: 25.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

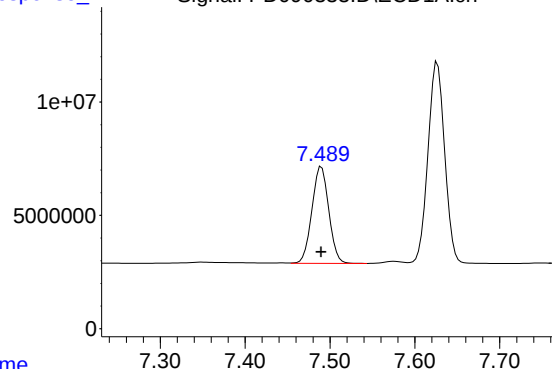
Time Response_ Signal: PD090333.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 829702220
Conc: 26.65 ng/ml

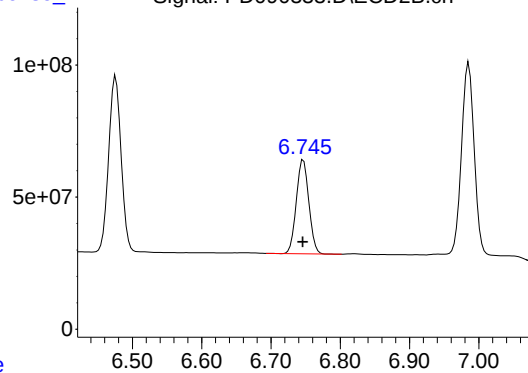
Time Response_ Signal: PD090333.D\ECD1A.ch



#20 Methoxychlor

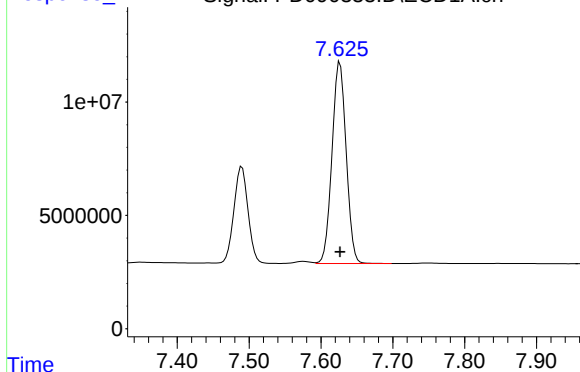
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 58886348
Conc: 26.13 ng/ml

Time Response_ Signal: PD090333.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 447498155
Conc: 27.00 ng/ml



R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 121625773
Conc: 25.37 ng/ml

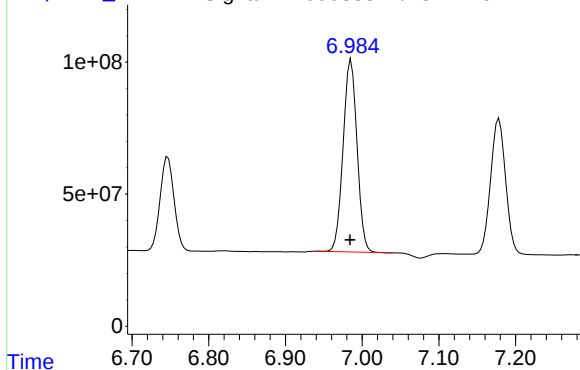
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PD090333.D\ECD2B.ch

#21 Endrin ketone



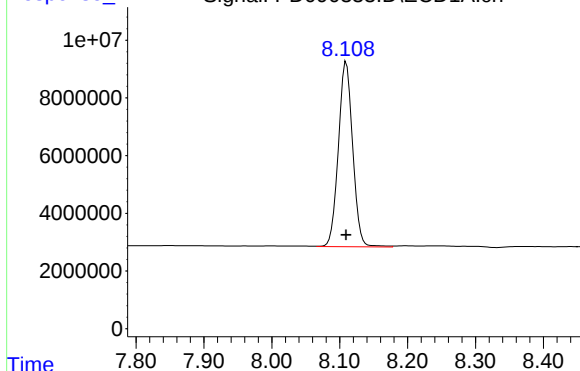
R.T.: 6.985 min
Delta R.T.: 0.001 min
Response: 919994231
Conc: 26.78 ng/ml

Time

Response_

Signal: PD090333.D\ECD1A.ch

#22 Mirex



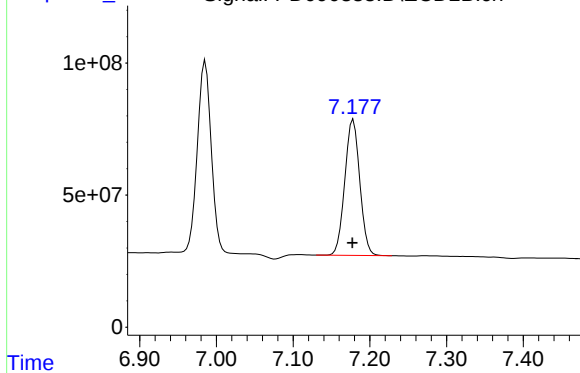
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 93886990
Conc: 26.91 ng/ml

Time

Response_

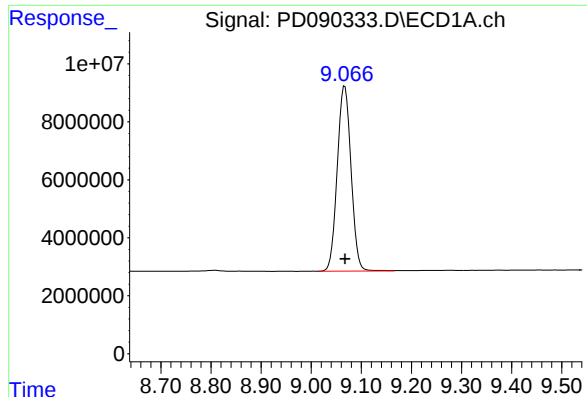
Signal: PD090333.D\ECD2B.ch

#22 Mirex



R.T.: 7.178 min
Delta R.T.: 0.001 min
Response: 701096687
Conc: 27.04 ng/ml

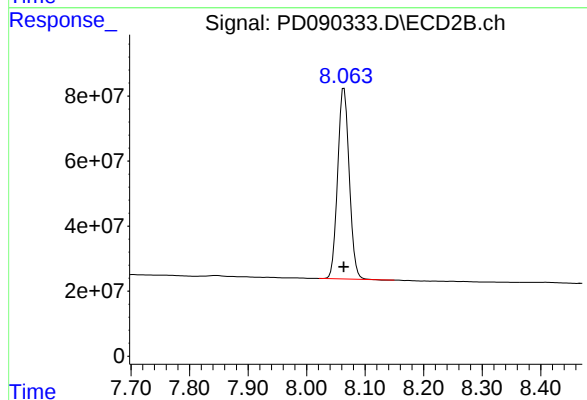
Time



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 121939831
Conc: 26.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 805983061
Conc: 26.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 11:24
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:14:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 04:54:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.876	17825803	159.9E6	5.732m	6.147
28) SA Decachlor...	9.067	8.064	28924383	194.1E6	6.331	6.405
Target Compounds						
2) A alpha-BHC	3.995	3.388	32409405	246.0E6	4.677	5.874 #
3) MA gamma-BHC...	4.326	3.724	31965550	230.5E6	4.899	5.927
4) MA Heptachlor	4.923	4.076	33247136	235.0E6	5.126m	6.042
5) MB Aldrin	5.266	4.362	31981202	226.7E6	5.130	5.922
6) B beta-BHC	4.513	4.020	14541568	101.7E6	5.901	6.181
7) B delta-BHC	4.760	4.256	30051030	232.7E6	4.669m	5.873 #
8) B Heptachlo...	5.686	4.866	30902364	222.2E6	5.598	6.371
9) A Endosulfan I	6.070	5.240	28890370	201.8E6	5.506	6.101
10) B gamma-Chl...	5.941	5.119	29291567	225.3E6	5.245	6.002
11) B alpha-Chl...	6.022	5.183	30398915	216.3E6	5.424	6.010
12) B 4,4'-DDE	6.191	5.367	26114536	217.7E6	5.092	5.935m
13) MA Dieldrin	6.342	5.505	29402820	224.1E6	5.196	6.000
14) MA Endrin	6.569	5.781	25102642	207.6E6	5.240	6.103m
15) B Endosulfa...	6.782	6.074	26078573	197.3E6	5.470	6.111
16) A 4,4'-DDD	6.701	5.922	20863834	186.1E6	5.198	6.003
17) MA 4,4'-DDT	7.016	6.176	22380902	188.5E6	5.118	5.670
18) B Endrin al...	6.911	6.252	19263706	137.1E6	5.822	6.049
19) B Endosulfa...	7.145	6.475	25098674	192.3E6	5.639	6.177
20) A Methoxychlor	7.489	6.747	13357437	102.8E6	5.928	6.205
21) B Endrin ke...	7.627	6.985	26444173	214.2E6	5.516	6.234
22) Mirex	8.110	7.178	22153300	167.5E6	6.351	6.460

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 11:24
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

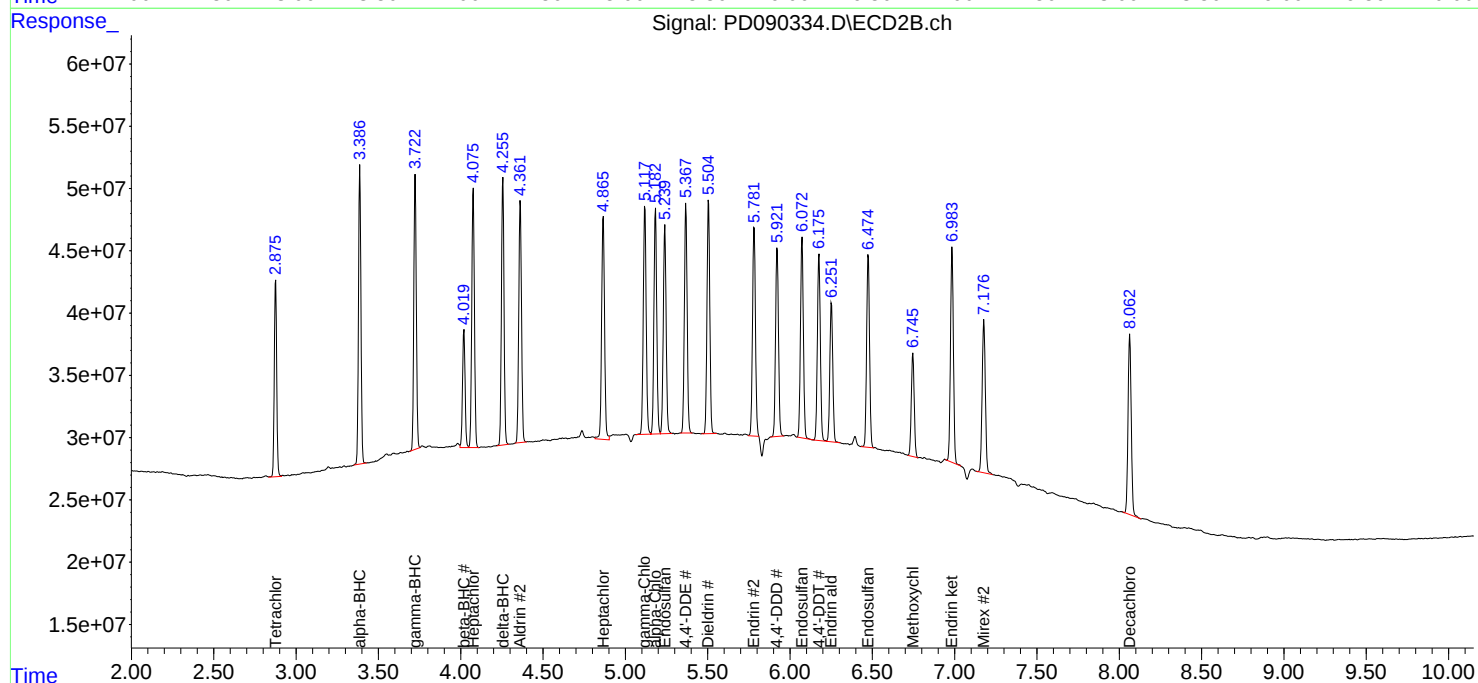
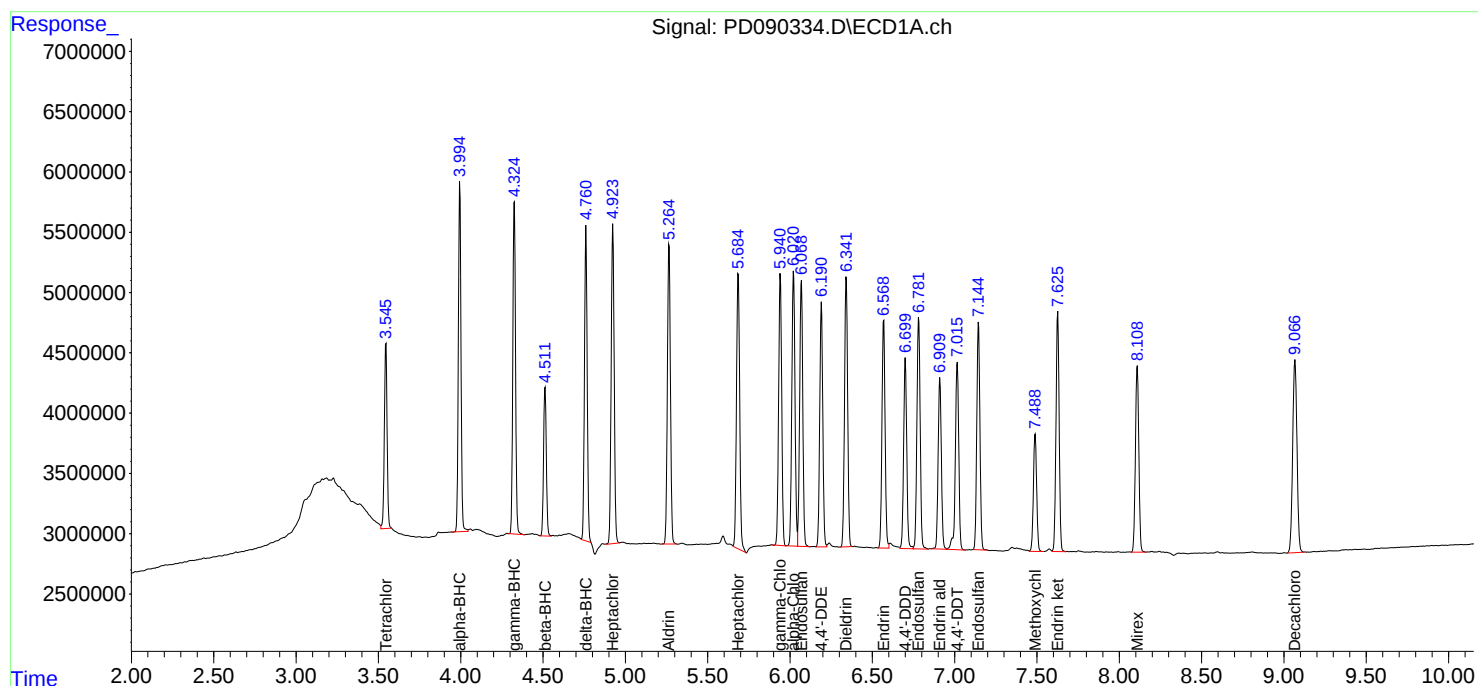
APPROVED

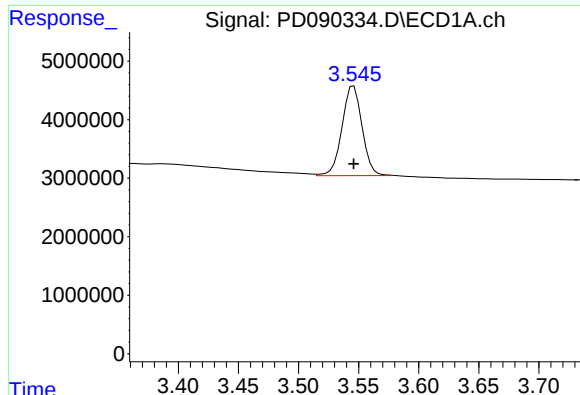
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:14:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 04:54:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





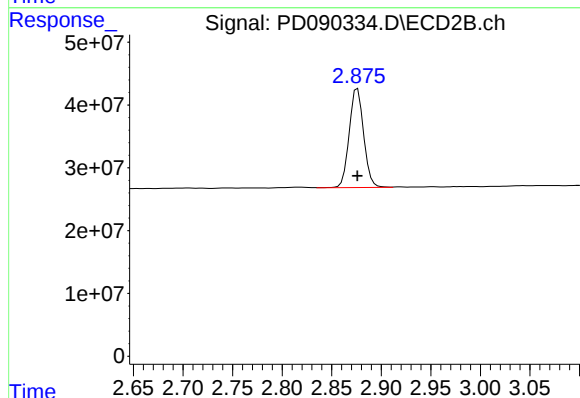
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 17825803
Conc: 5.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

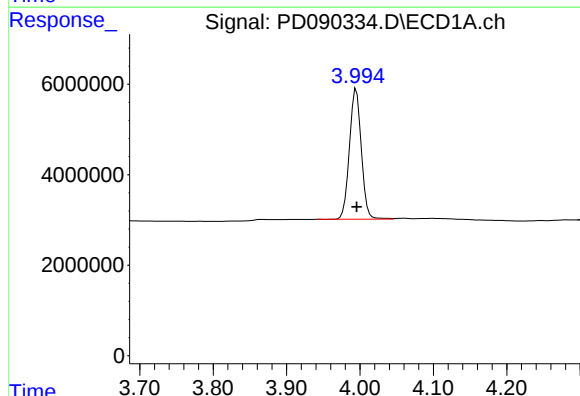
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



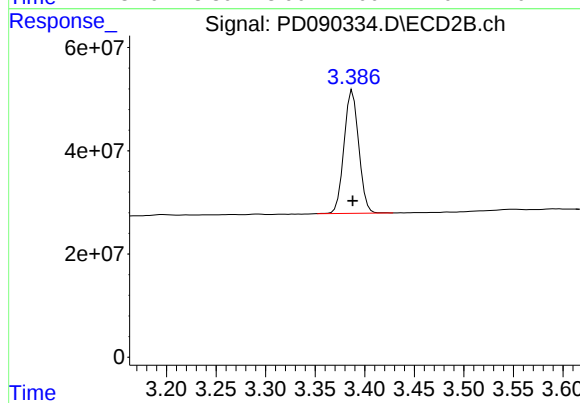
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 159888318
Conc: 6.15 ng/ml



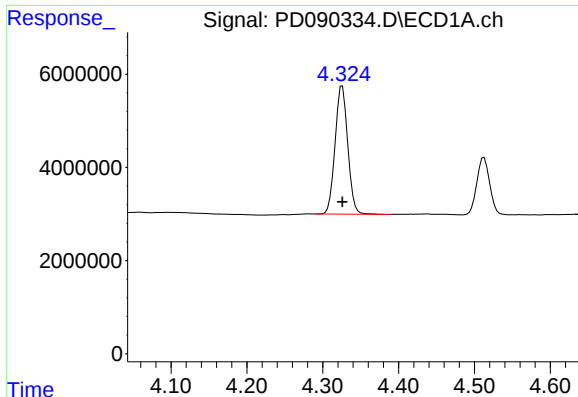
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 32409405
Conc: 4.68 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 245995366
Conc: 5.87 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 31965550
Conc: 4.90 ng/ml

Instrument :

ECD_D

ClientSampleId :

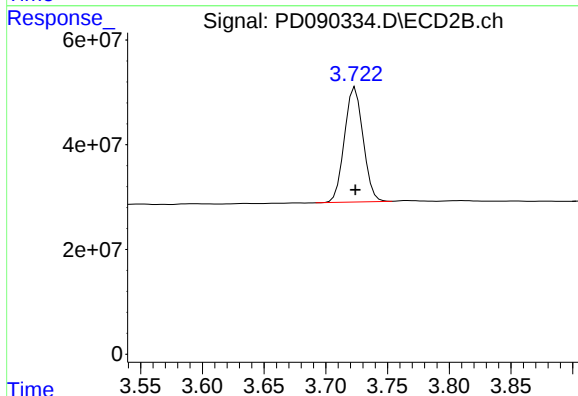
PSTDICC005

Manual Integrations

APPROVED

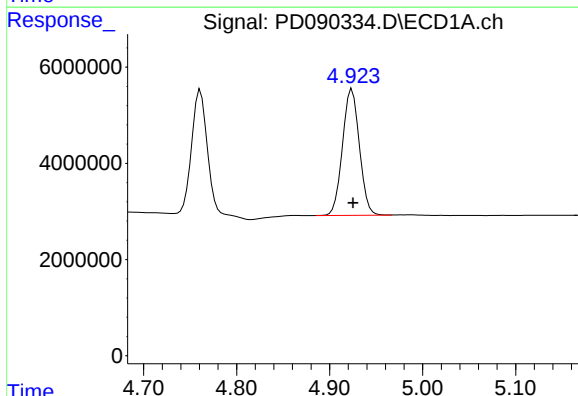
Reviewed By :Abdul Mirza 09/19/2025

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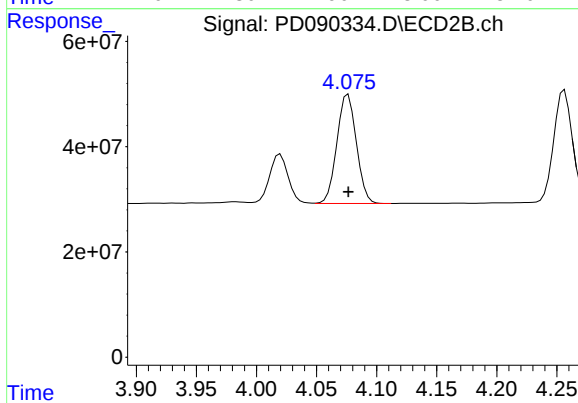
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 230522704
Conc: 5.93 ng/ml



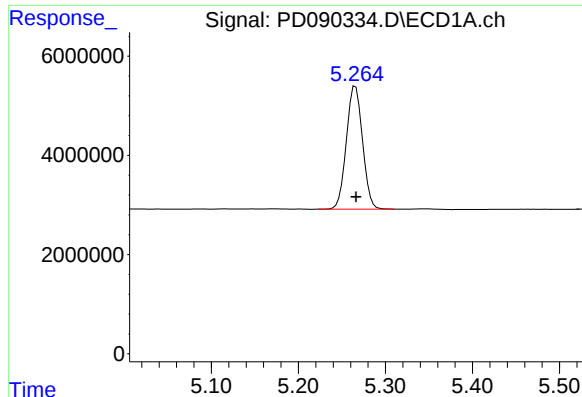
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 33247136
Conc: 5.13 ng/ml m



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 234951730
Conc: 6.04 ng/ml



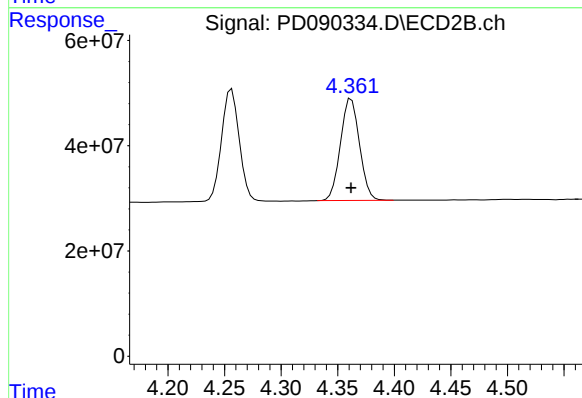
#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 31981202
Conc: 5.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

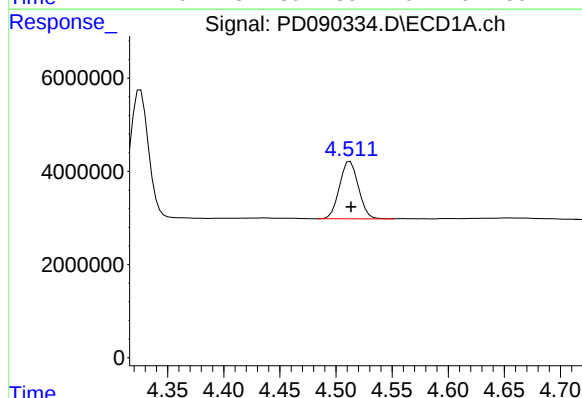
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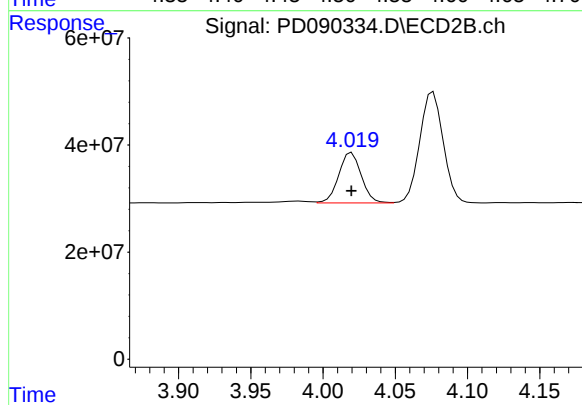
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 226660252
Conc: 5.92 ng/ml



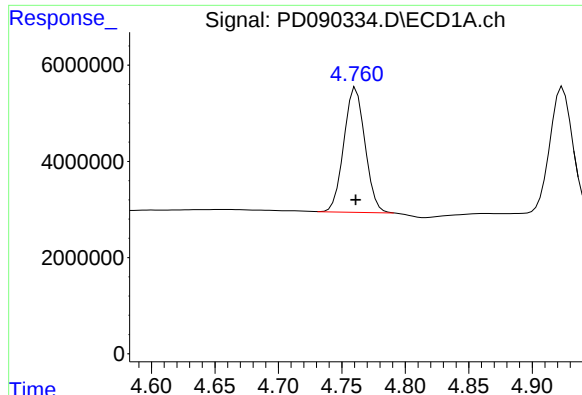
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 14541568
Conc: 5.90 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 101680104
Conc: 6.18 ng/ml



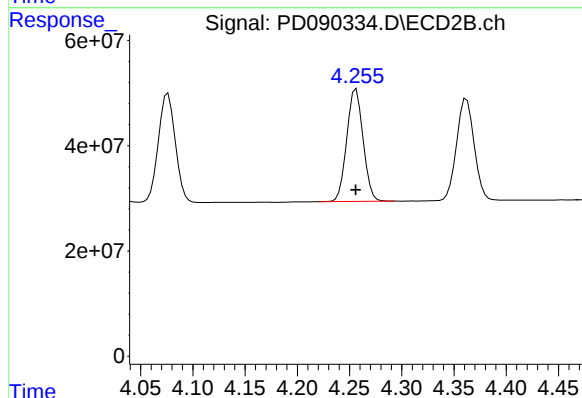
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 30051030
Conc: 4.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

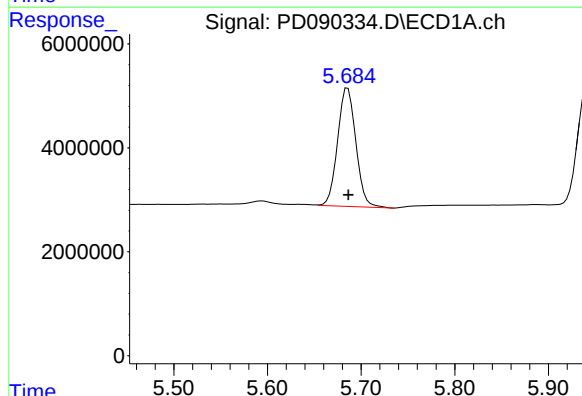
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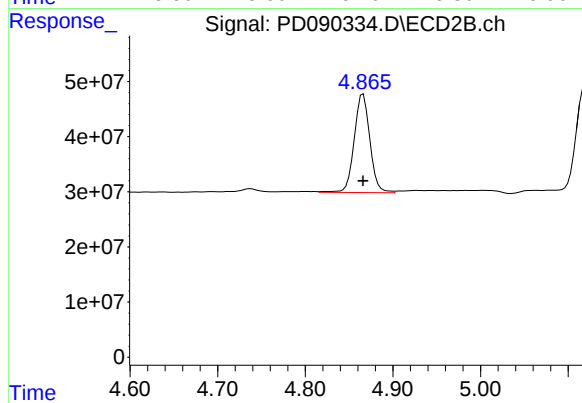
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 232712382
Conc: 5.87 ng/ml



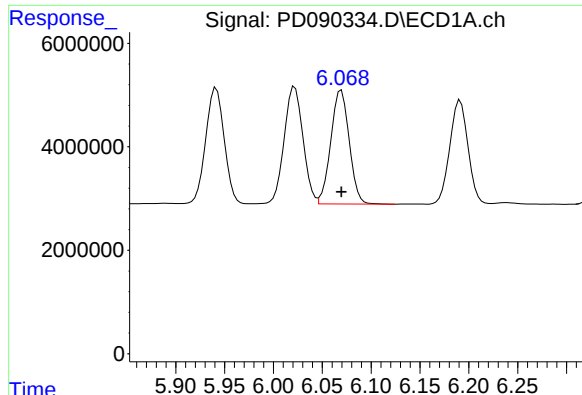
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 30902364
Conc: 5.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 222230173
Conc: 6.37 ng/ml



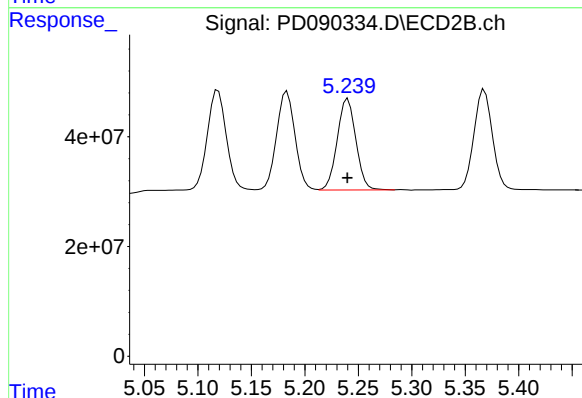
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 28890370
Conc: 5.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

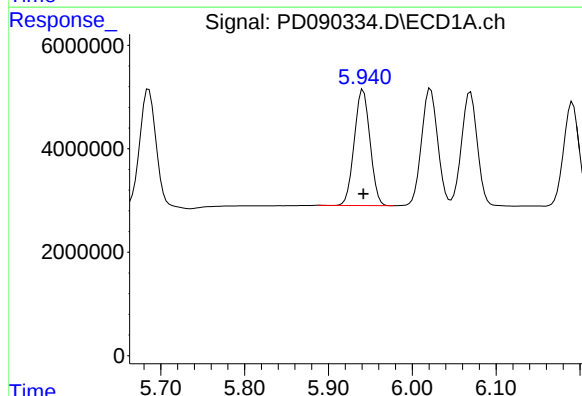
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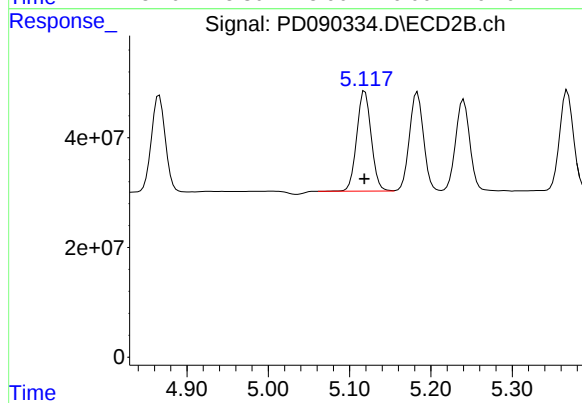
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 201843147
Conc: 6.10 ng/ml



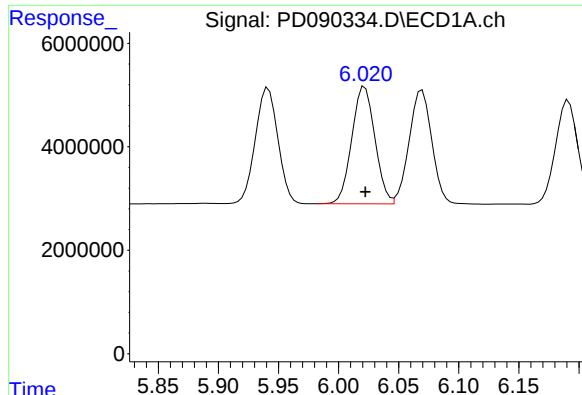
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 29291567
Conc: 5.24 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 225289175
Conc: 6.00 ng/ml



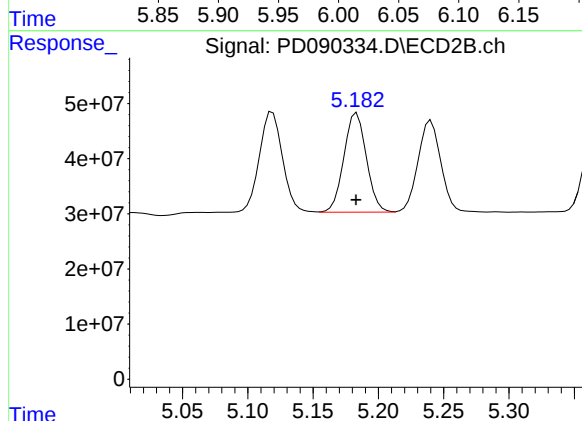
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 30398915
Conc: 5.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

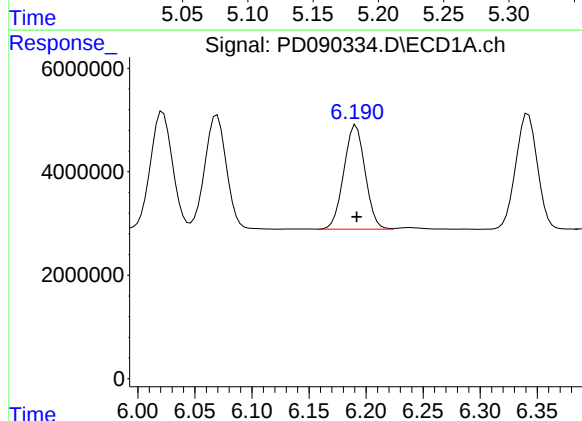
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Supervised By :mohammad ahmed 09/22/2025



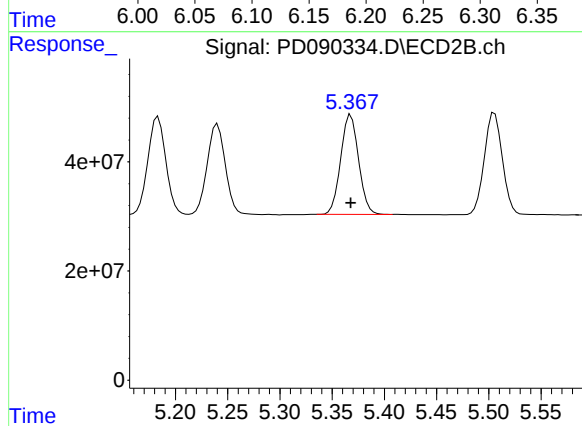
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 216275426
Conc: 6.01 ng/ml



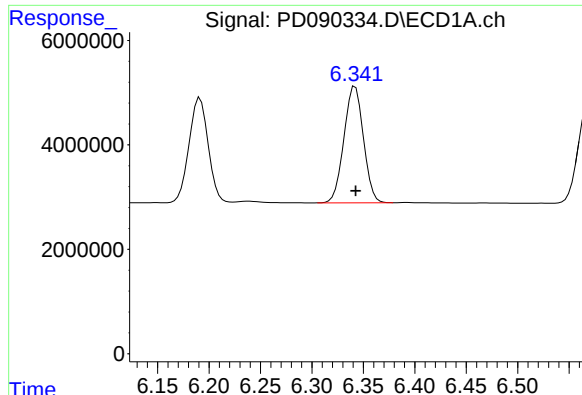
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 26114536
Conc: 5.09 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 217747685
Conc: 5.94 ng/ml m



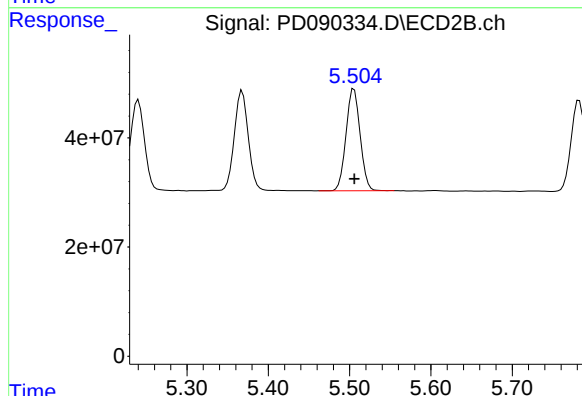
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 29402820
Conc: 5.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

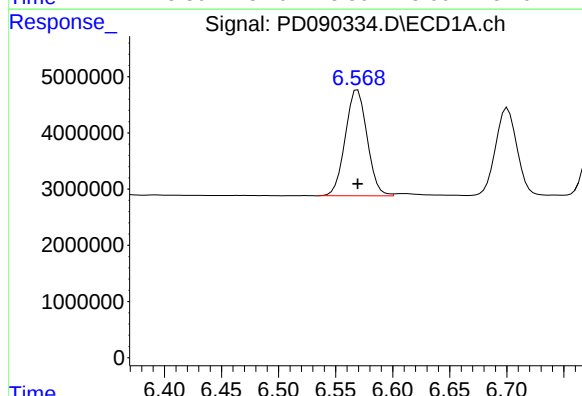
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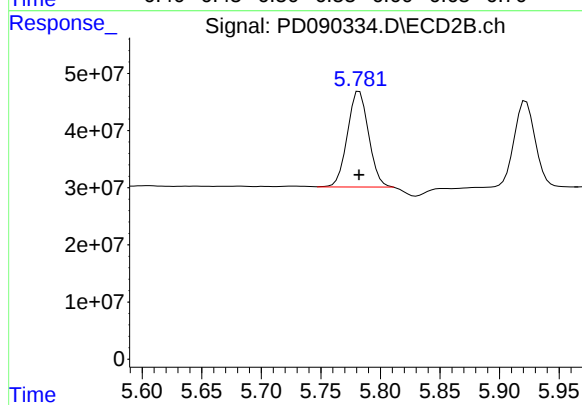
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 224143340
Conc: 6.00 ng/ml



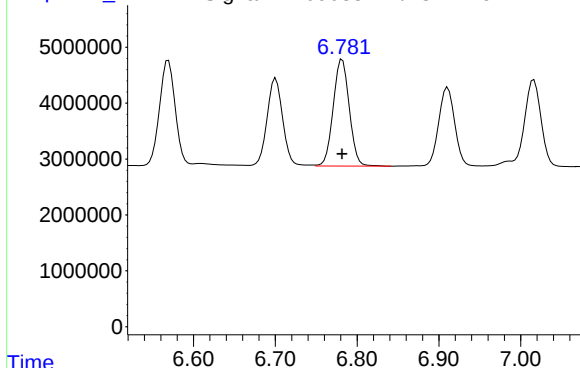
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 25102642
Conc: 5.24 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 207633420
Conc: 6.10 ng/ml m



R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 26078573
Conc: 5.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

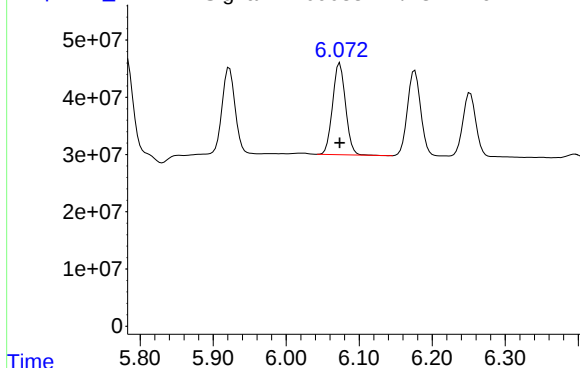
Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Time

Response_

Signal: PD090334.D\ECD2B.ch

#15 Endosulfan II



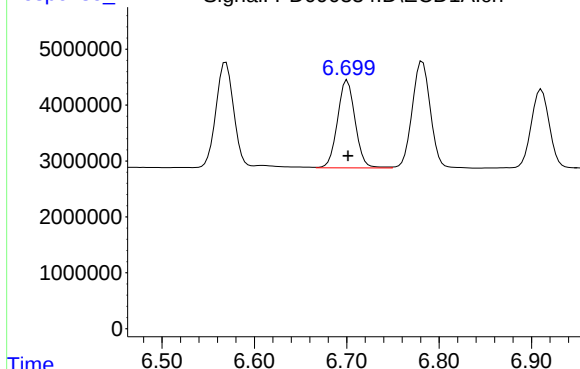
R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 197294415
Conc: 6.11 ng/ml

Time

Response_

Signal: PD090334.D\ECD1A.ch

#16 4,4'-DDD



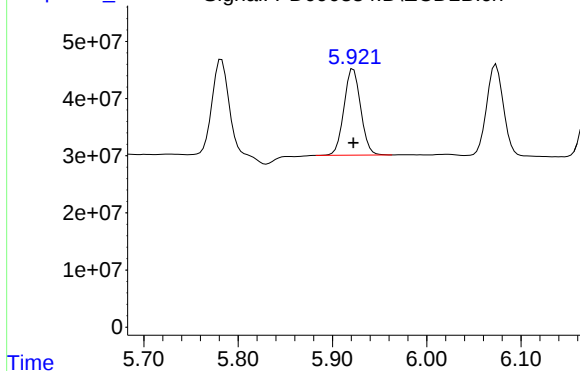
R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 20863834
Conc: 5.20 ng/ml

Time

Response_

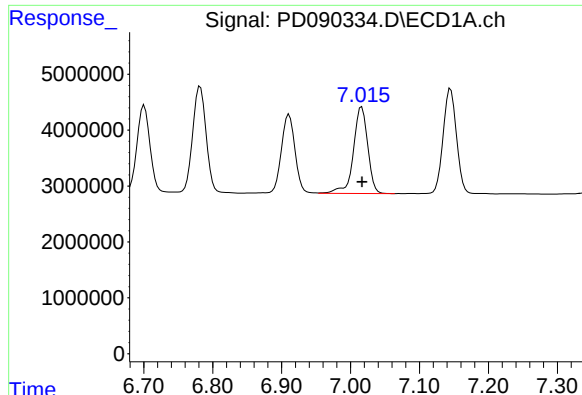
Signal: PD090334.D\ECD2B.ch

#16 4,4'-DDD



R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 186144610
Conc: 6.00 ng/ml

Time



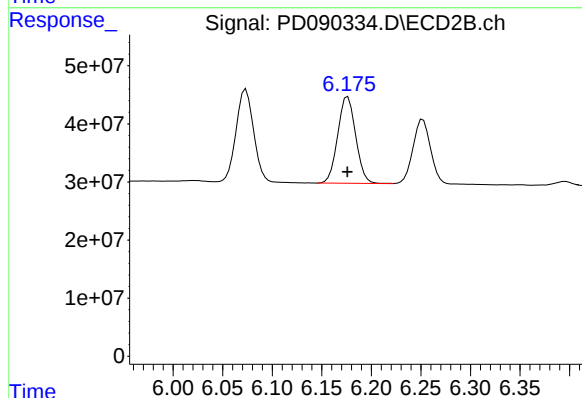
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 22380902
Conc: 5.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

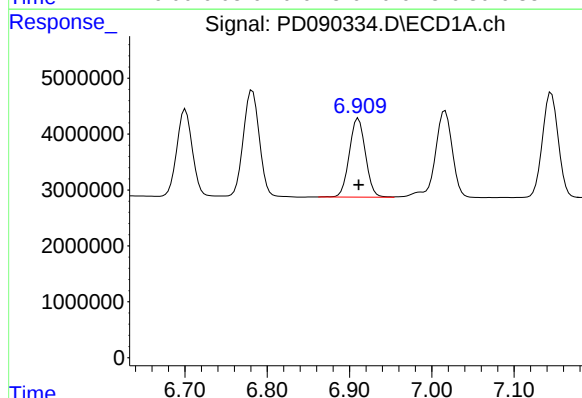
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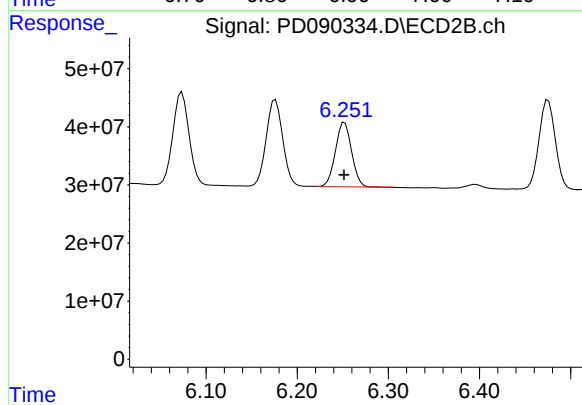
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 188527505
Conc: 5.67 ng/ml



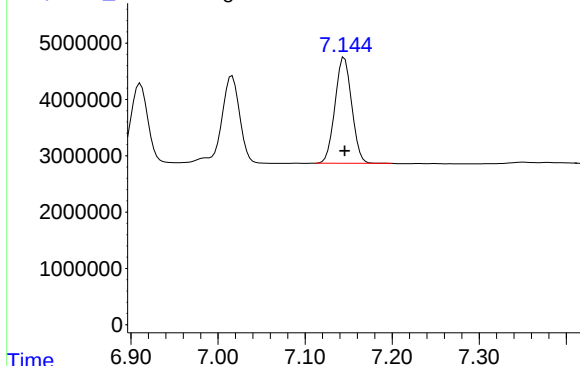
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 19263706
Conc: 5.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 137085224
Conc: 6.05 ng/ml

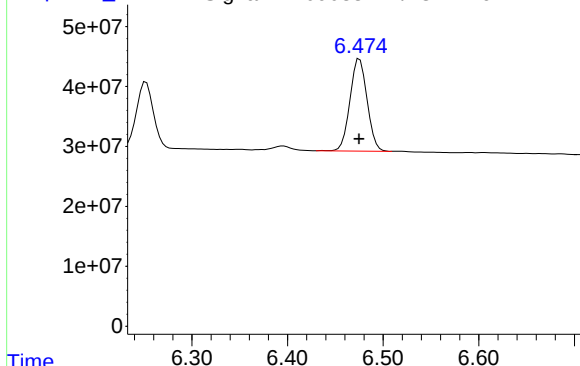


R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 25098674
Conc: 5.64 ng/ml

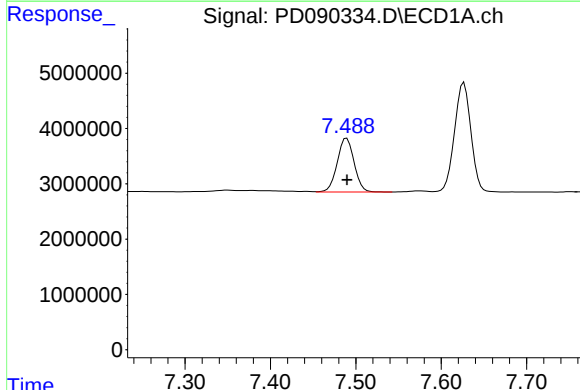
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

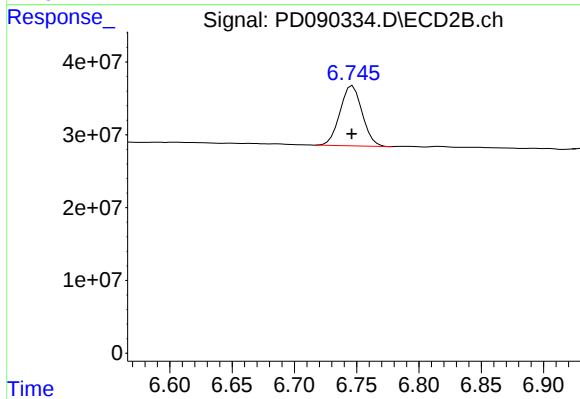
Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



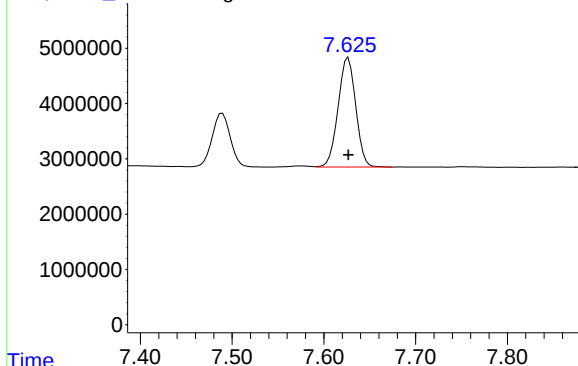
R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 192281123
Conc: 6.18 ng/ml



R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 13357437
Conc: 5.93 ng/ml



R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 102844152
Conc: 6.20 ng/ml

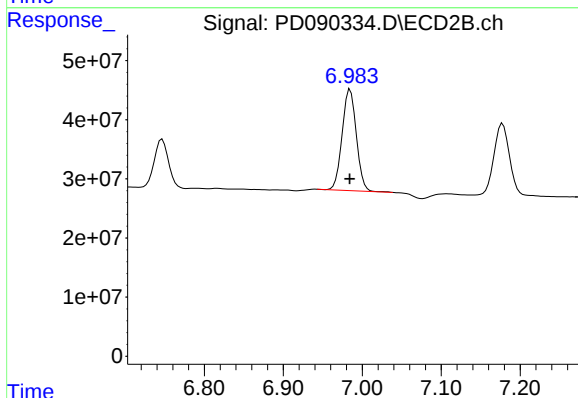


R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 26444173
Conc: 5.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

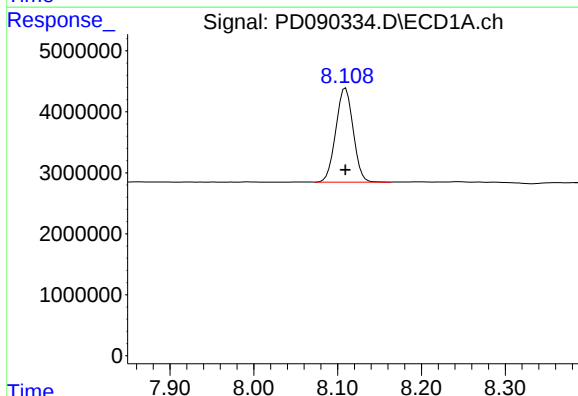
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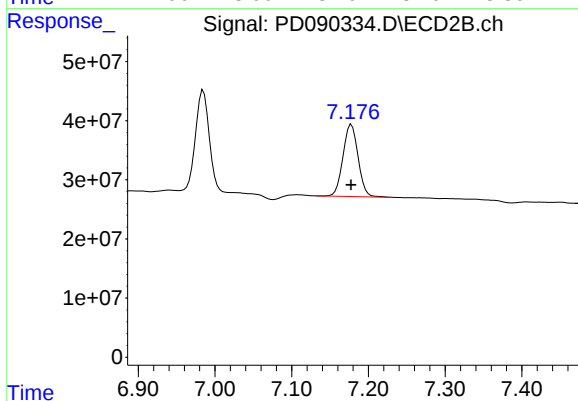
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 214191014
Conc: 6.23 ng/ml



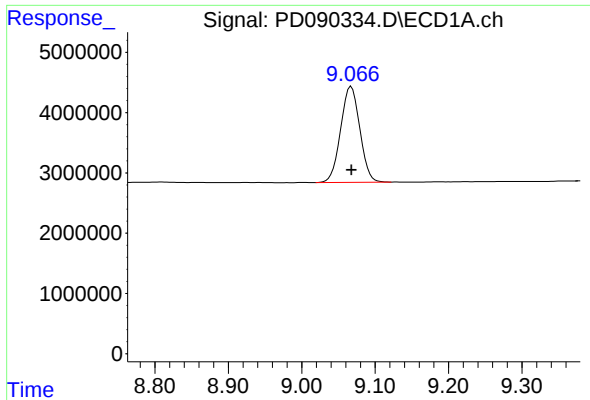
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 22153300
Conc: 6.35 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 167487946
Conc: 6.46 ng/ml



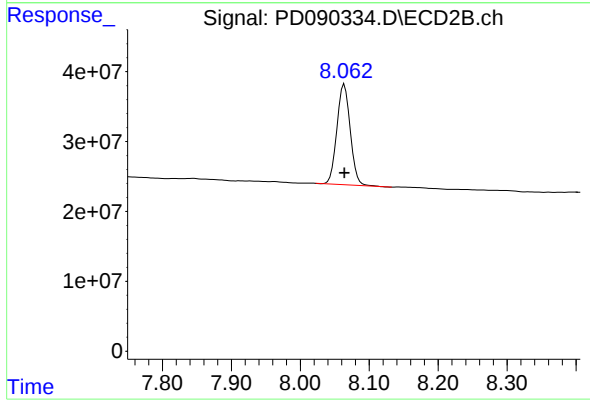
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 28924383
Conc: 6.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 194139774
Conc: 6.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	131.5E6	1423.2E6	50.000	50.000
28) SA Decachlor...	9.067	8.064	198.1E6	1343.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.710	3.900	102.3E6	585.9E6	500.000	500.000
24) Chlordane-2	5.237	4.481	102.7E6	605.6E6	500.000	500.000
25) Chlordane-3	5.942	5.120	412.5E6	1831.3E6	500.000	500.000
26) Chlordane-4	6.027	5.184	498.7E6	1568.9E6	500.000	500.000
27) Chlordane-5	6.867	6.083	87350033	746.3E6	500.000	500.000

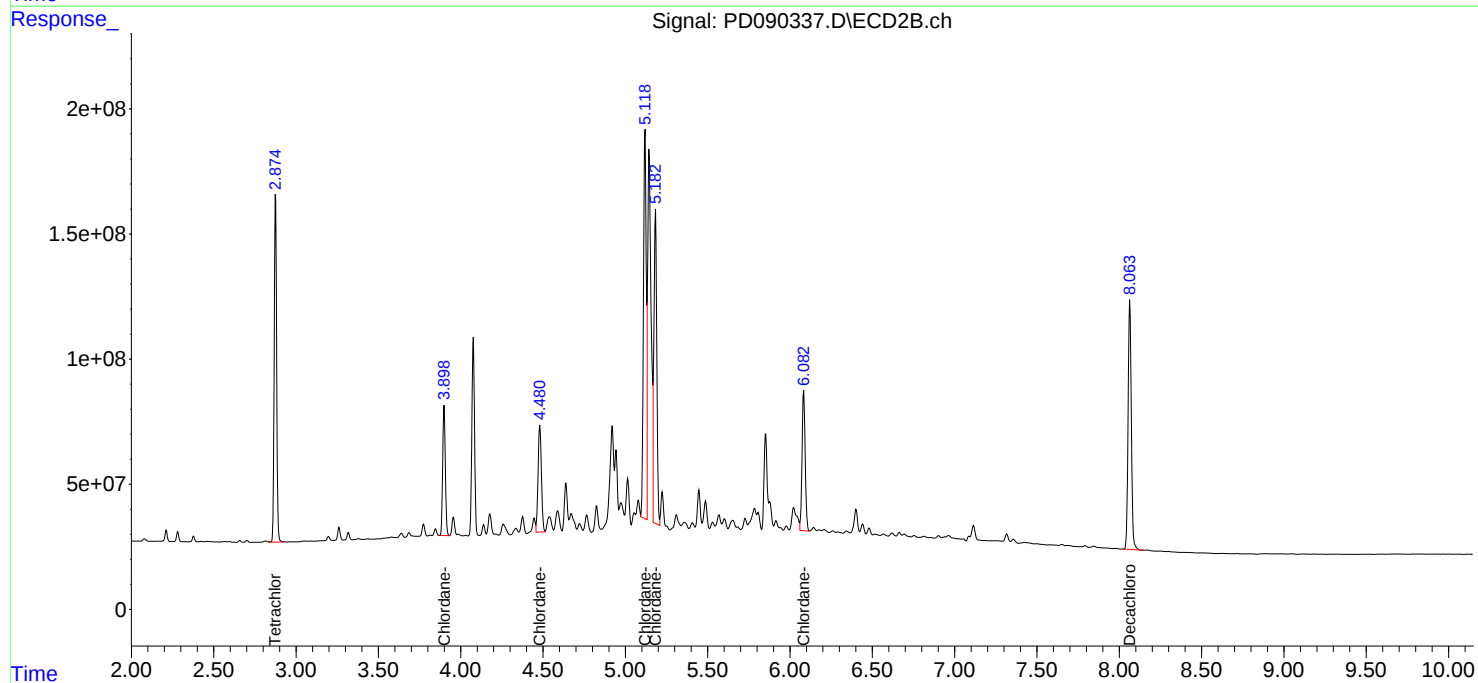
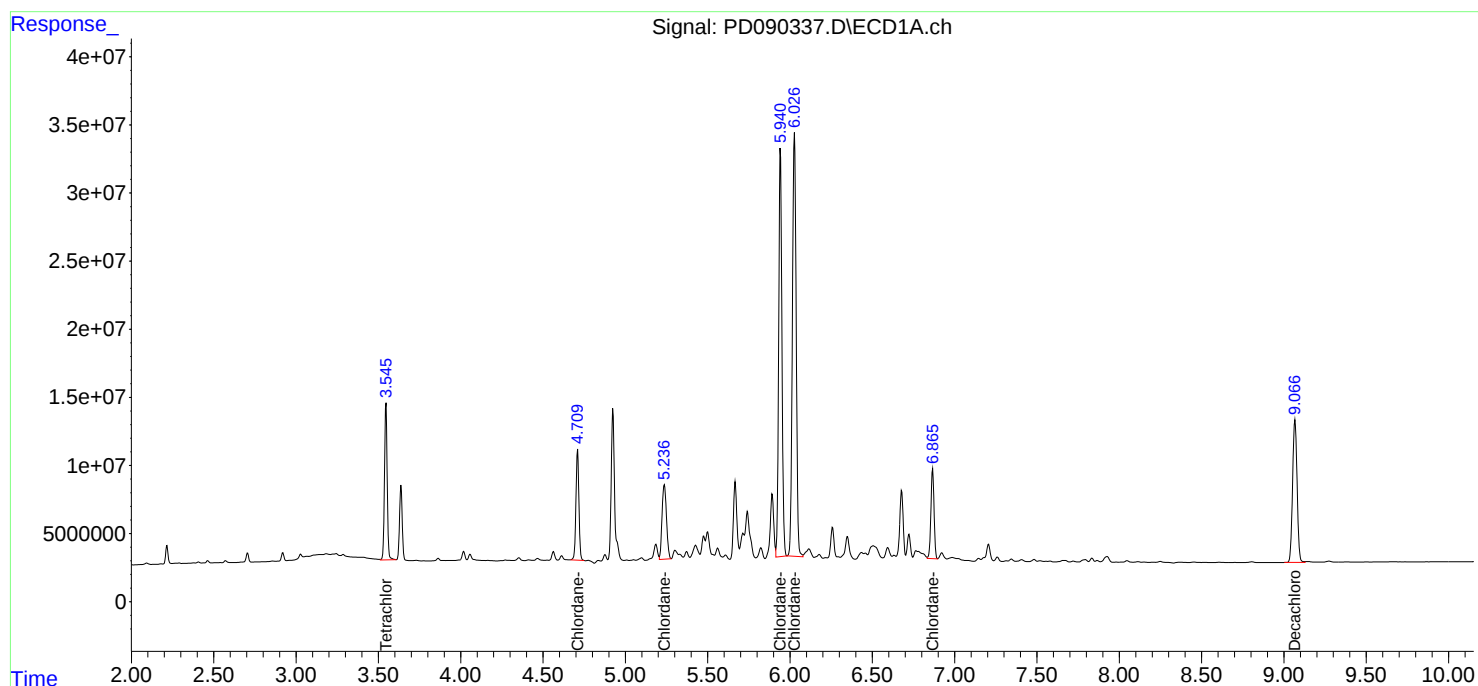
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 12:05
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

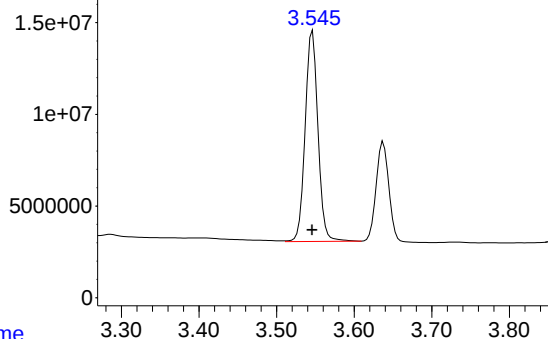
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:32:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:30:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090337.D\ECD1A.ch

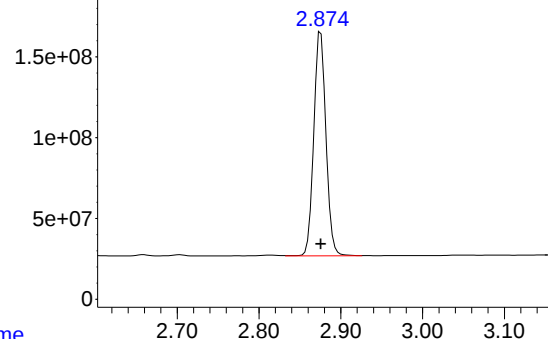


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 131534172
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

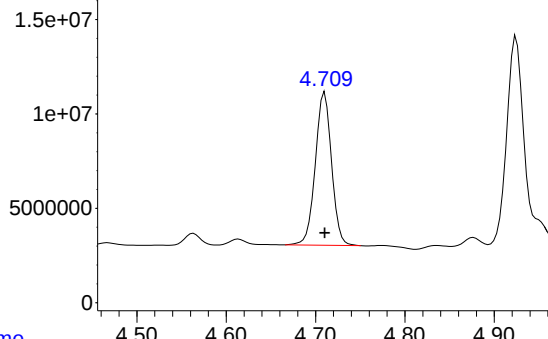
Time Response_ Signal: PD090337.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1423168585
Conc: 50.00 ng/ml

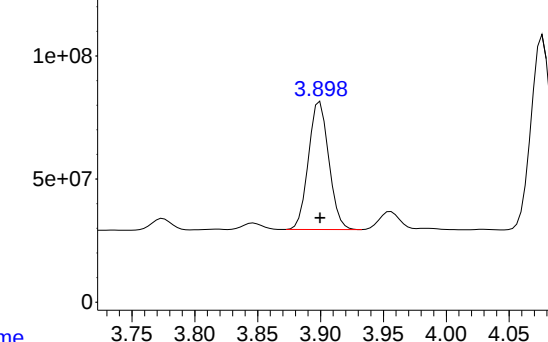
Time Response_ Signal: PD090337.D\ECD1A.ch



#23 Chlordane-1

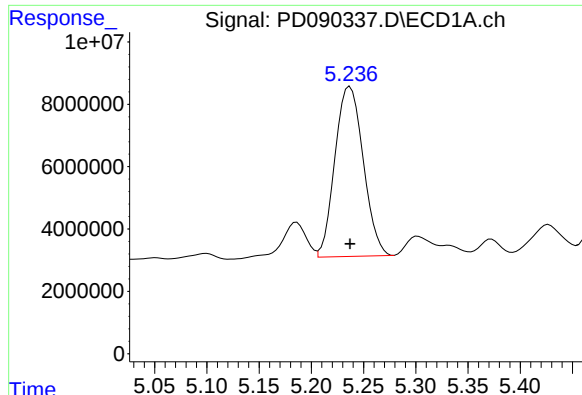
R.T.: 4.710 min
Delta R.T.: 0.000 min
Response: 102333996
Conc: 500.00 ng/ml

Time Response_ Signal: PD090337.D\ECD2B.ch



#23 Chlordane-1

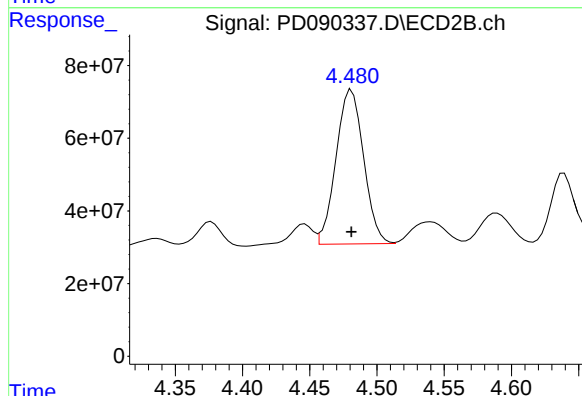
R.T.: 3.900 min
Delta R.T.: 0.000 min
Response: 585938946
Conc: 500.00 ng/ml



#24 Chlordane-2

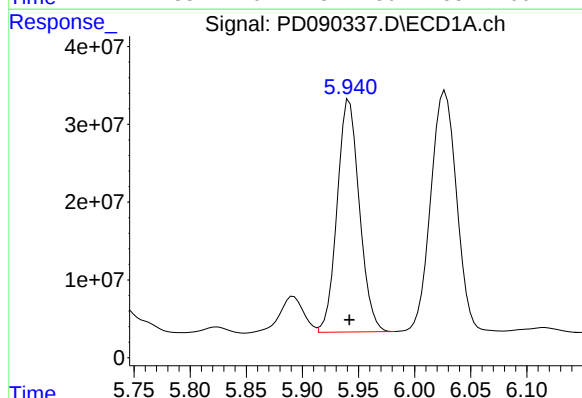
R.T.: 5.237 min
Delta R.T.: 0.000 min
Response: 102654028
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



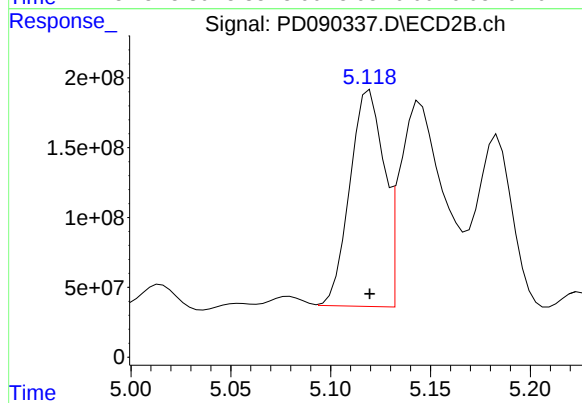
#24 Chlordane-2

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 605583802
Conc: 500.00 ng/ml



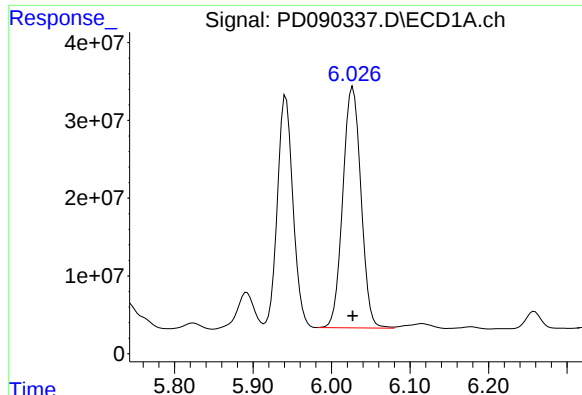
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 412476317
Conc: 500.00 ng/ml



#25 Chlordane-3

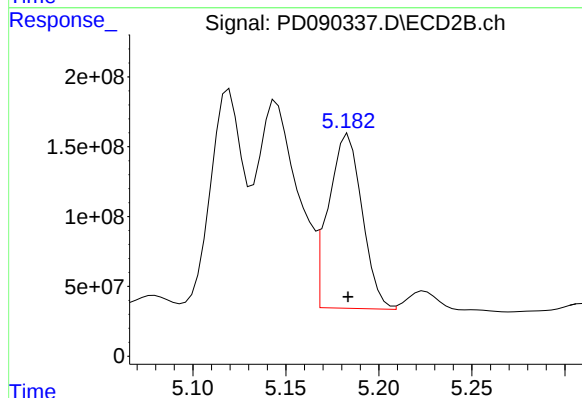
R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1831272976
Conc: 500.00 ng/ml



#26 Chlordane-4

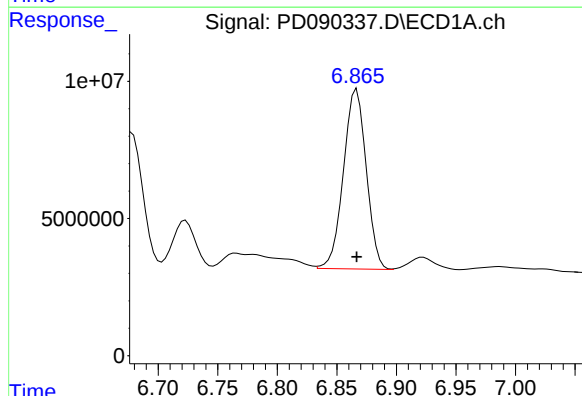
R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 498703694
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



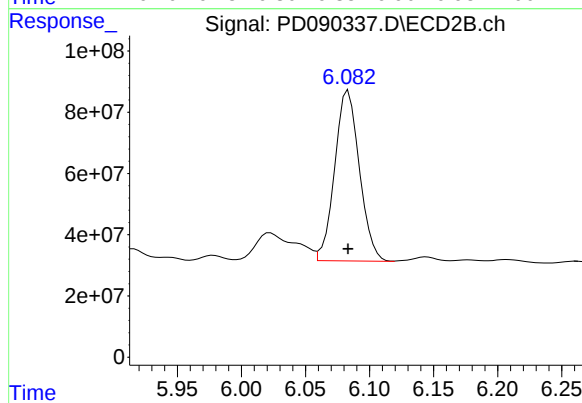
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1568903491
Conc: 500.00 ng/ml



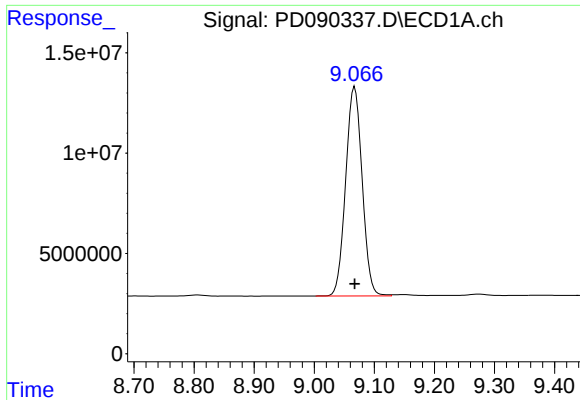
#27 Chlordane-5

R.T.: 6.867 min
Delta R.T.: 0.000 min
Response: 87350033
Conc: 500.00 ng/ml



#27 Chlordane-5

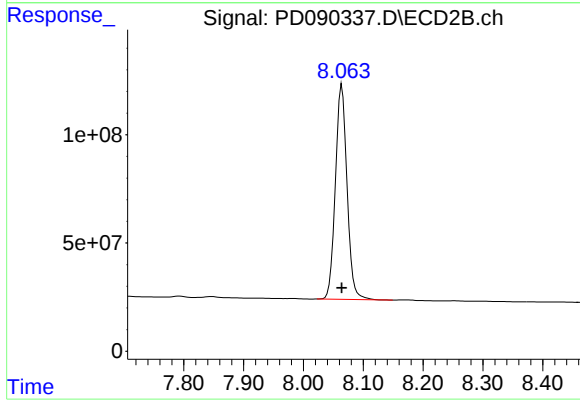
R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 746286612
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 198117827
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1343469412
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:12
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:45:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. 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...	3.546	2.875	154.0E6	1316.4E6	50.000	50.000
7) SA Decachlor...	9.067	8.064	232.3E6	1556.3E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.238	5.468	22194102	139.0E6	500.000	500.000
3) Toxaphene-2	6.438	5.639	30241683	93586595	500.000	500.000
4) Toxaphene-3	7.144	6.750	56828768	470.3E6	500.000	500.000
5) Toxaphene-4	7.559	7.191	73223973	311.4E6	500.000	500.000
6) Toxaphene-5	7.926	7.322	41700188	239.5E6	500.000	500.000

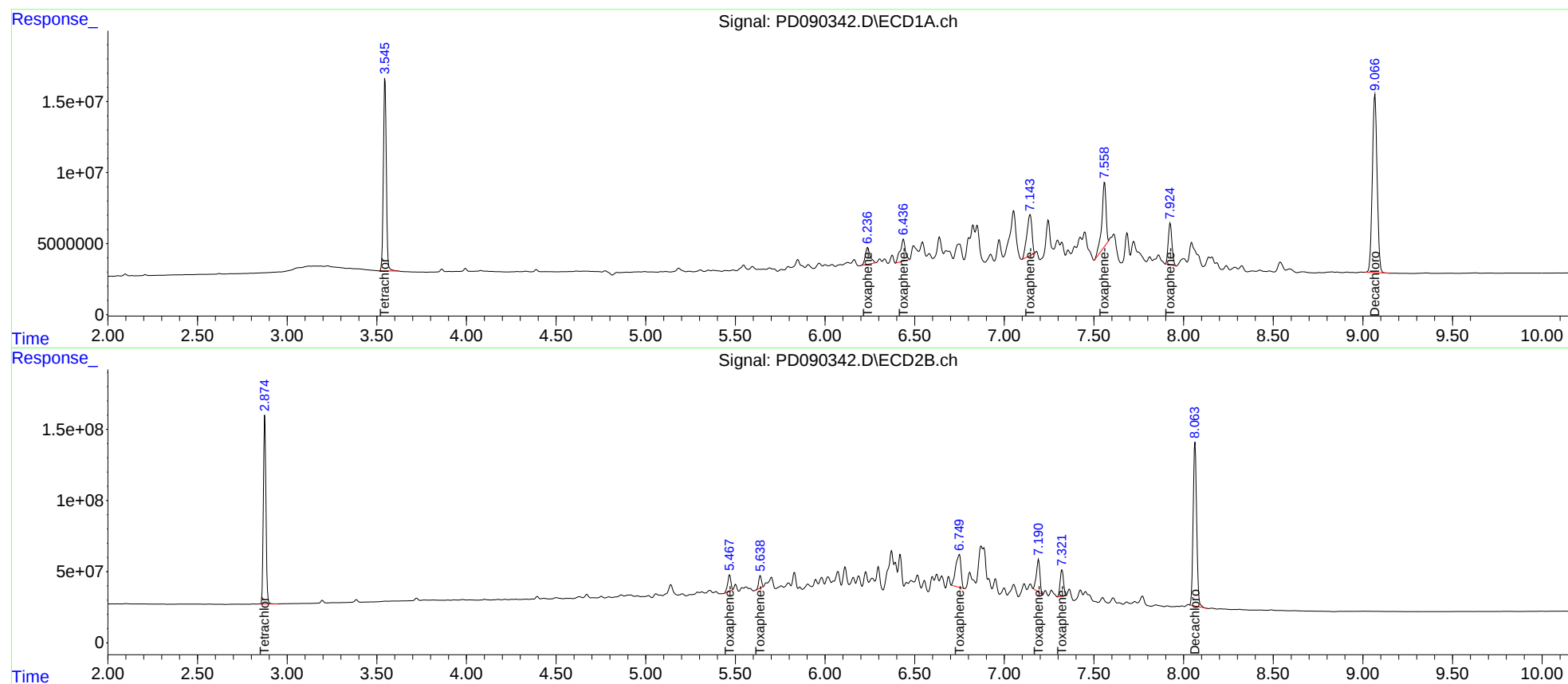
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090342.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:12
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

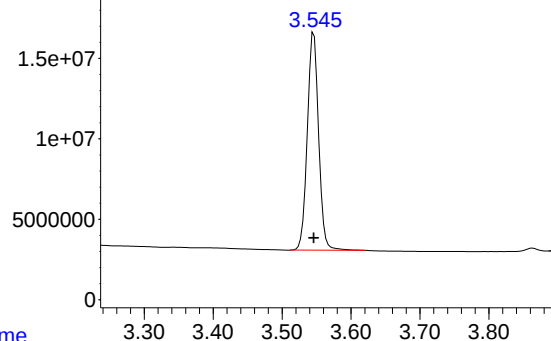
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:45:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:45:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090342.D\ECD1A.ch

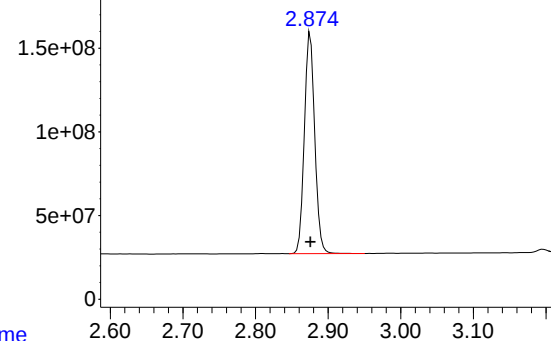


#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 153969336
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

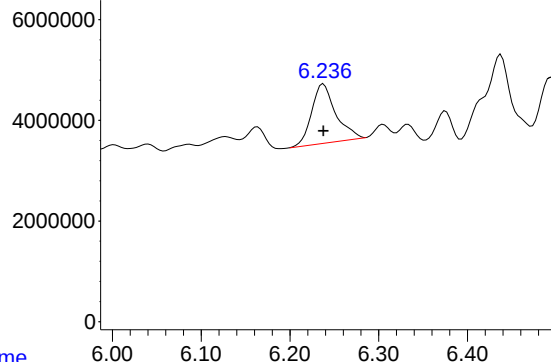
Time Response_ Signal: PD090342.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1316372043
Conc: 50.00 ng/ml

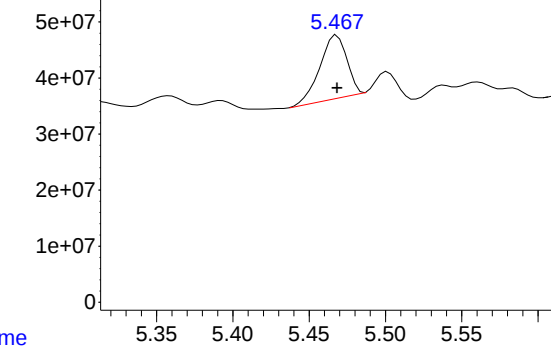
Time Response_ Signal: PD090342.D\ECD1A.ch



#2 Toxaphene-1

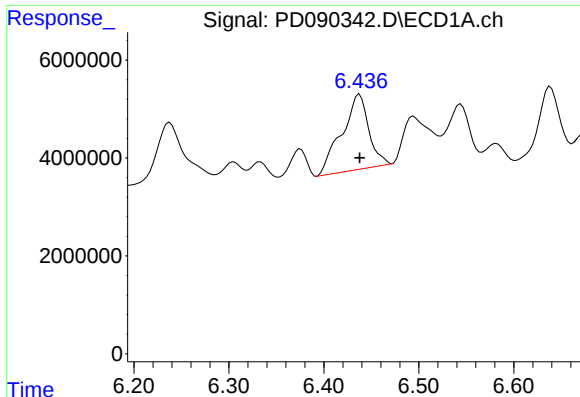
R.T.: 6.238 min
Delta R.T.: 0.000 min
Response: 22194102
Conc: 500.00 ng/ml

Time Response_ Signal: PD090342.D\ECD2B.ch



#2 Toxaphene-1

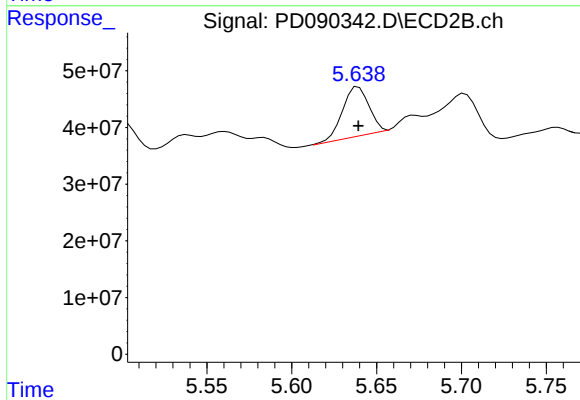
R.T.: 5.468 min
Delta R.T.: 0.000 min
Response: 138992222
Conc: 500.00 ng/ml



#3 Toxaphene-2

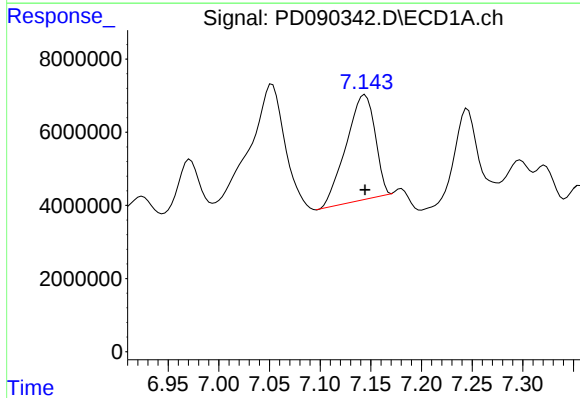
R.T.: 6.438 min
Delta R.T.: 0.000 min
Response: 30241683
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



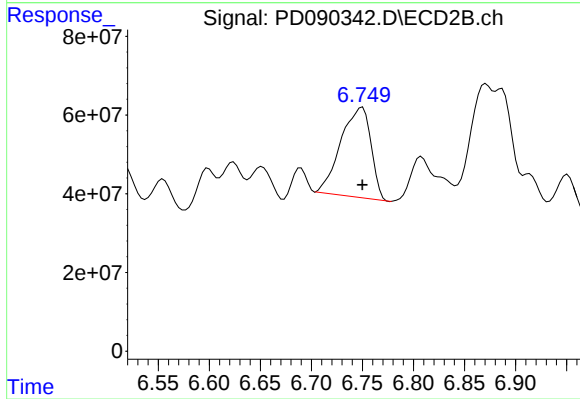
#3 Toxaphene-2

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 93586595
Conc: 500.00 ng/ml



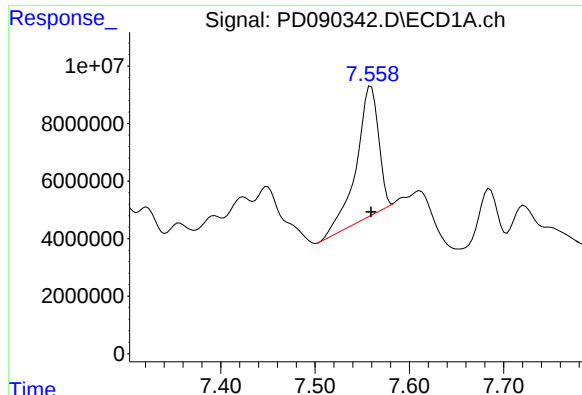
#4 Toxaphene-3

R.T.: 7.144 min
Delta R.T.: 0.000 min
Response: 56828768
Conc: 500.00 ng/ml



#4 Toxaphene-3

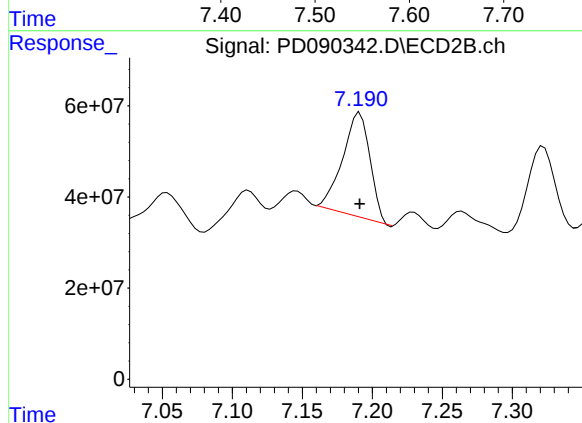
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 470296394
Conc: 500.00 ng/ml



#5 Toxaphene-4

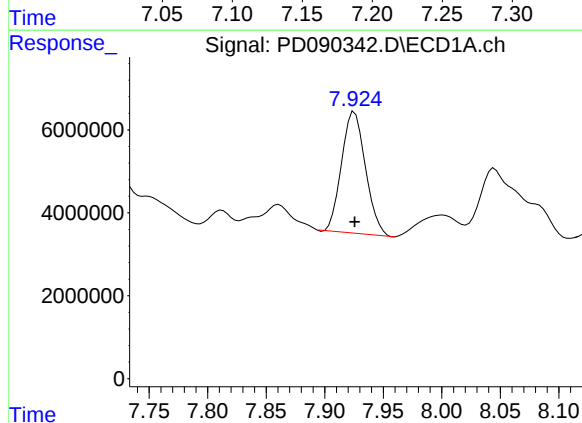
R.T.: 7.559 min
Delta R.T.: 0.000 min
Response: 73223973
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



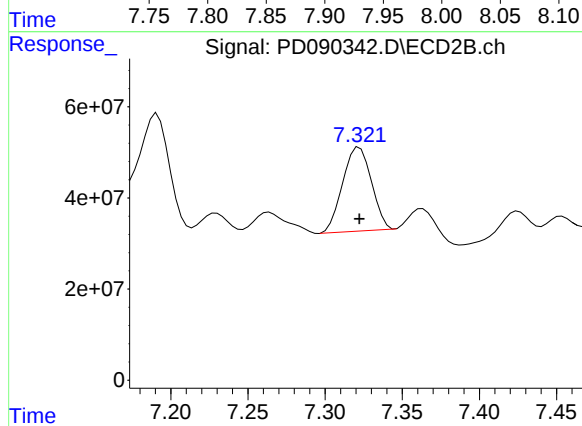
#5 Toxaphene-4

R.T.: 7.191 min
Delta R.T.: 0.000 min
Response: 311384389
Conc: 500.00 ng/ml



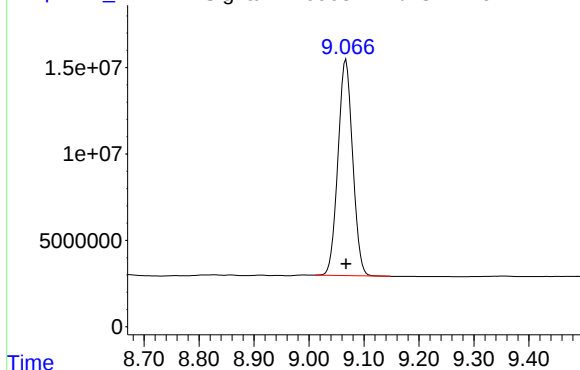
#6 Toxaphene-5

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 41700188
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.322 min
Delta R.T.: 0.000 min
Response: 239530893
Conc: 500.00 ng/ml



R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 232275171
Conc: 50.00 ng/ml

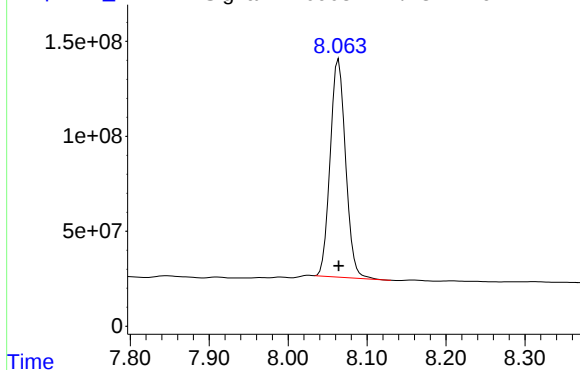
Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PD090342.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1556333824
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090345.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 13:53
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	157.4E6	1319.9E6	48.428	48.082
28)	SA Decachlor...	9.067	8.064	233.8E6	1568.0E6	48.465	48.375
Target Compounds							
2)	A alpha-BHC	3.996	3.388	351.7E6	2123.5E6	50.350	48.500
3)	MA gamma-BHC...	4.326	3.724	330.8E6	1969.8E6	49.987	48.355
4)	MA Heptachlor	4.925	4.076	325.8E6	1968.1E6	49.274	48.335
5)	MB Aldrin	5.266	4.362	315.4E6	1930.2E6	49.669	48.334
6)	B beta-BHC	4.513	4.020	124.9E6	831.7E6	48.395	47.975
7)	B delta-BHC	4.760	4.256	323.6E6	2001.0E6	50.107m	48.457
8)	B Heptachlo...	5.687	4.866	279.1E6	1766.9E6	48.842	47.930
9)	A Endosulfan I	6.070	5.240	265.5E6	1670.3E6	49.149	48.268
10)	B gamma-Chl...	5.942	5.119	282.7E6	1894.5E6	49.490	48.224
11)	B alpha-Chl...	6.023	5.183	283.5E6	1815.3E6	49.204	48.195
12)	B 4,4'-DDE	6.192	5.368	259.4E6	1854.9E6	49.812	48.458
13)	MA Dieldrin	6.343	5.506	286.4E6	1884.9E6	49.683	48.397
14)	MA Endrin	6.570	5.782	242.8E6	1721.2E6	49.612	48.036
15)	B Endosulfa...	6.782	6.074	246.0E6	1633.1E6	50.439	48.386
16)	A 4,4'-DDD	6.702	5.923	204.5E6	1574.5E6	49.914	48.554
17)	MA 4,4'-DDT	7.017	6.177	223.7E6	1690.5E6	50.245	49.173
18)	B Endrin al...	6.912	6.252	171.2E6	1146.7E6	49.898	48.698
19)	B Endosulfa...	7.146	6.476	226.4E6	1576.6E6	49.206	48.229
20)	A Methoxychlor	7.490	6.747	115.7E6	851.6E6	49.103	48.941
21)	B Endrin ke...	7.626	6.985	244.7E6	1750.8E6	49.463	48.494
22)	Mirex	8.109	7.178	179.2E6	1323.1E6	48.364	47.928

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 13:53
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

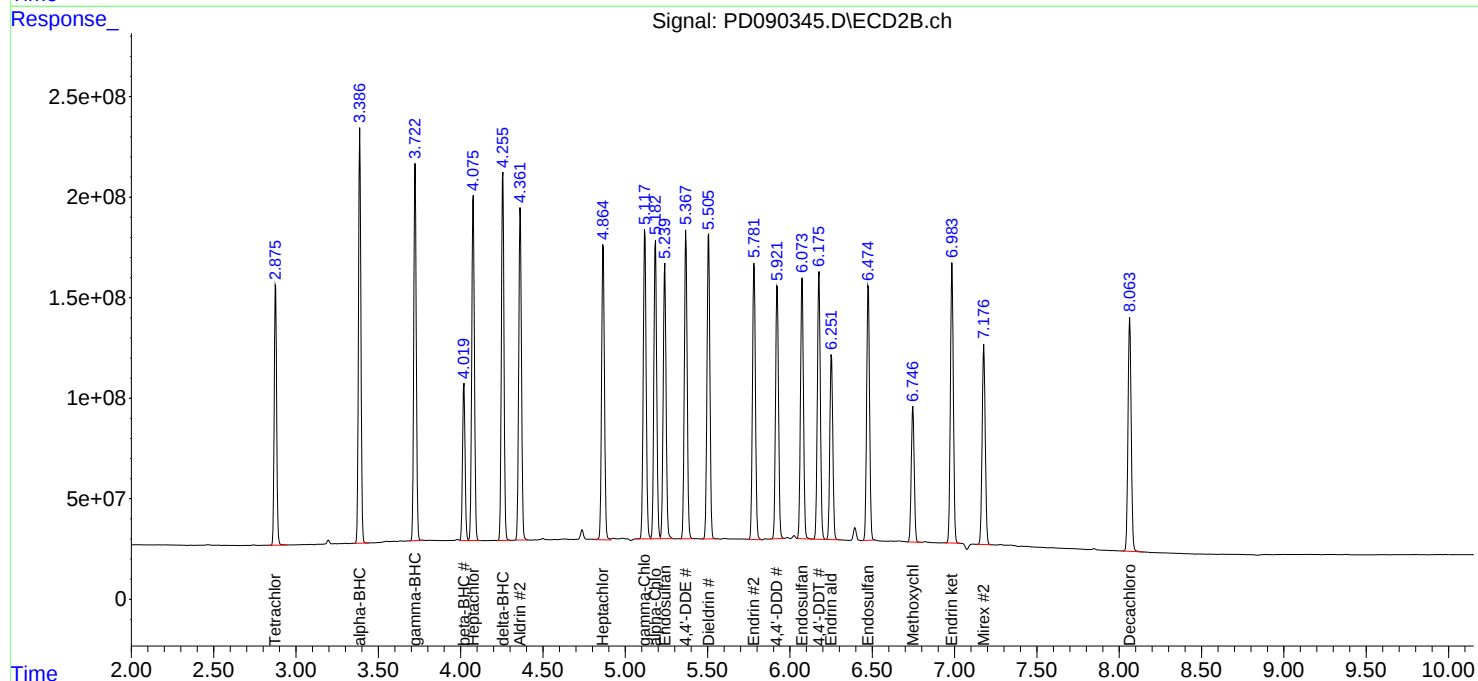
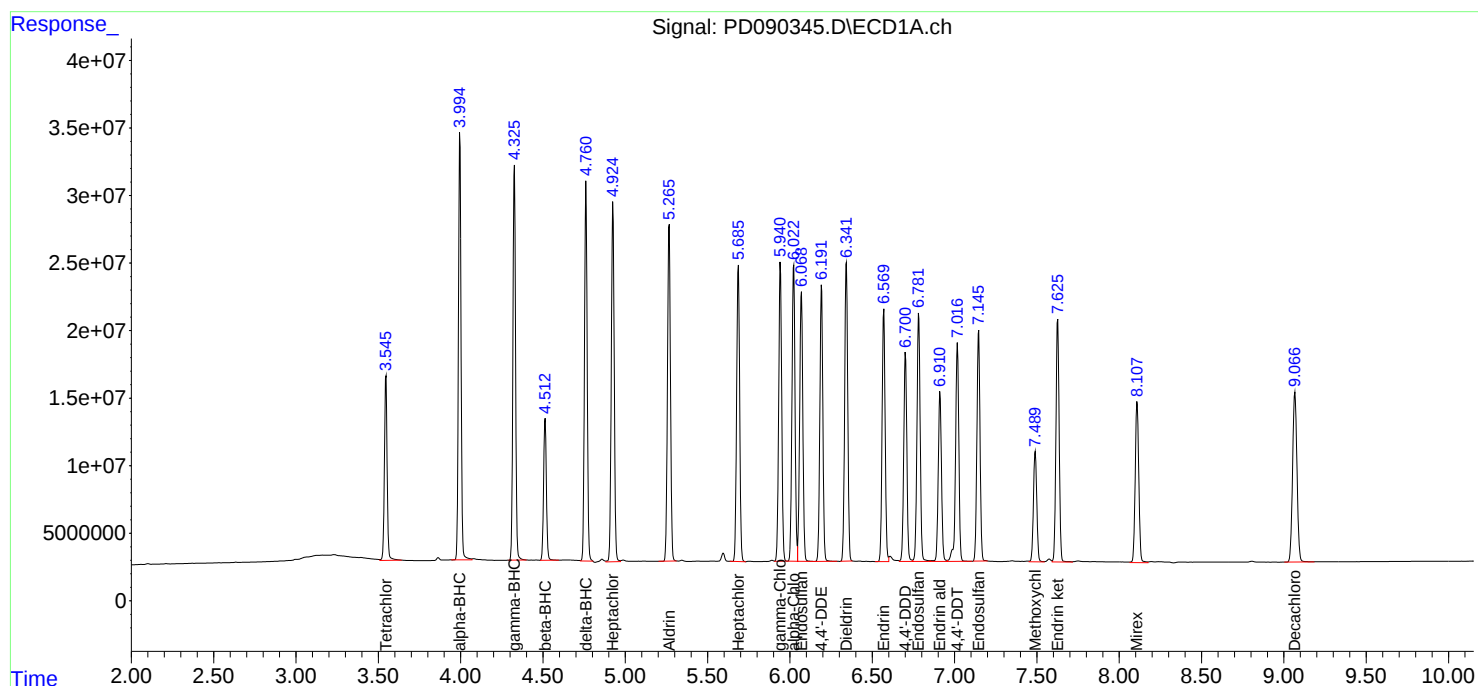
APPROVED

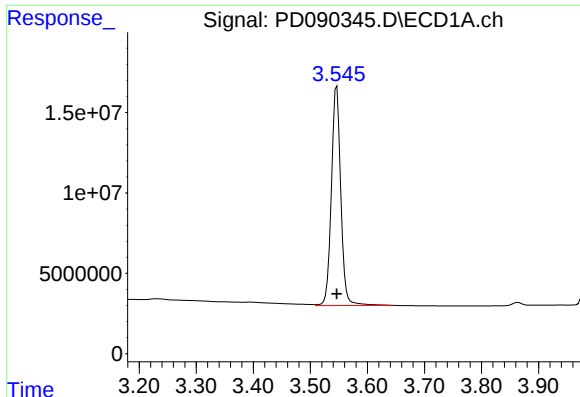
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 157413113
Conc: 48.43 ng/ml

Instrument :

ECD_D

ClientSampleId :

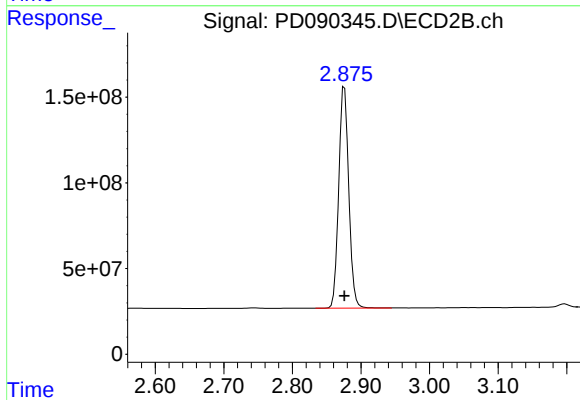
ICVPD091825

Manual Integrations

APPROVED

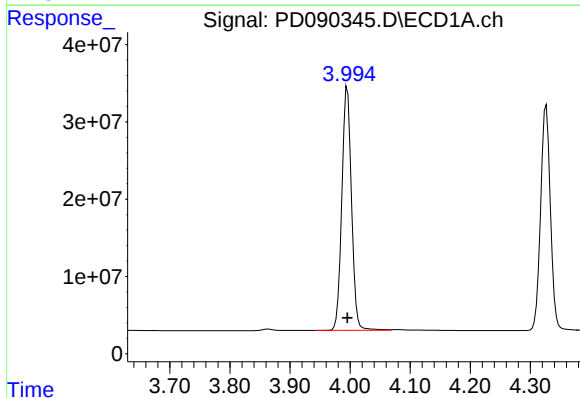
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



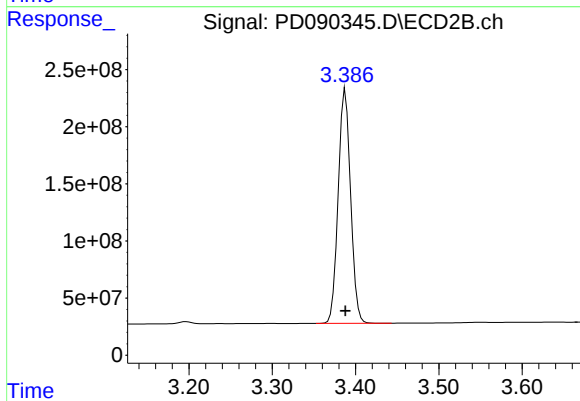
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 1319858225
Conc: 48.08 ng/ml



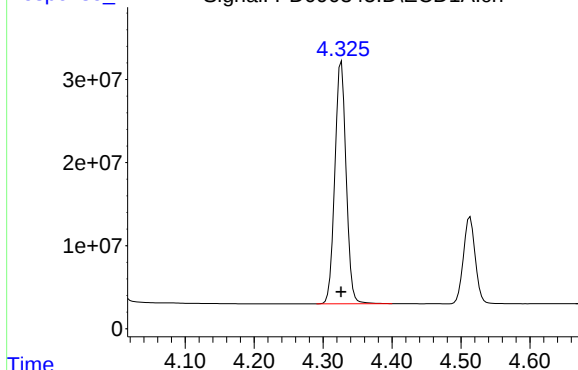
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 351672463
Conc: 50.35 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 2123467422
Conc: 48.50 ng/ml



R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 330754836
Conc: 49.99 ng/ml

Instrument :

ECD_D

ClientSampleId :

ICVPD091825

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/19/2025

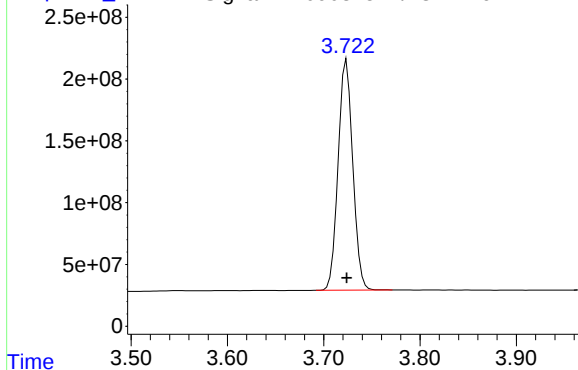
Supervised By :mohammad ahmed 09/22/2025

Time

Response_

Signal: PD090345.D\ECD2B.ch

#3 gamma-BHC (Lindane)



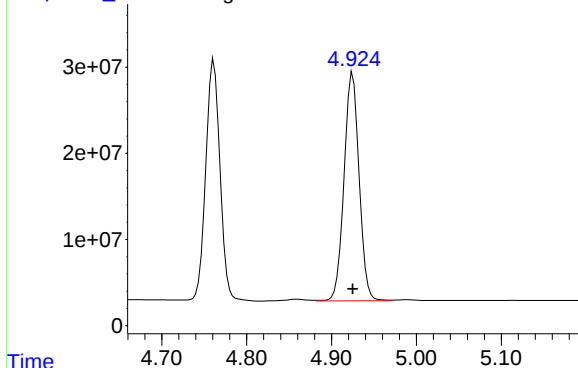
R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 1969783030
Conc: 48.36 ng/ml

Time

Response_

Signal: PD090345.D\ECD1A.ch

#4 Heptachlor



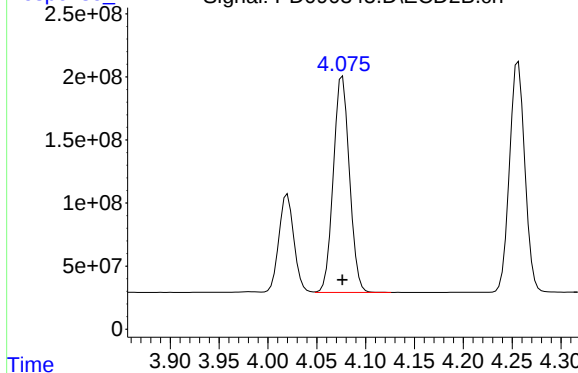
R.T.: 4.925 min
Delta R.T.: 0.000 min
Response: 325824904
Conc: 49.27 ng/ml

Time

Response_

Signal: PD090345.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1968050598
Conc: 48.34 ng/ml

Time

Response_ Signal: PD090345.D\ECD1A.ch

#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 315396598
Conc: 49.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Time

Response_ Signal: PD090345.D\ECD2B.ch

#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1930232675
Conc: 48.33 ng/ml

Time

Response_ Signal: PD090345.D\ECD1A.ch

#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 124855306
Conc: 48.40 ng/ml

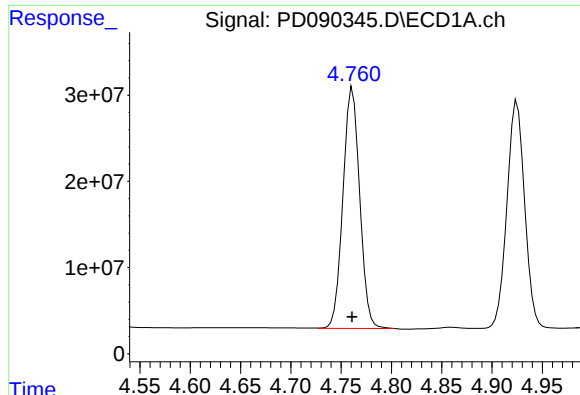
Time

Response_ Signal: PD090345.D\ECD2B.ch

#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 831670051
Conc: 47.98 ng/ml

Time



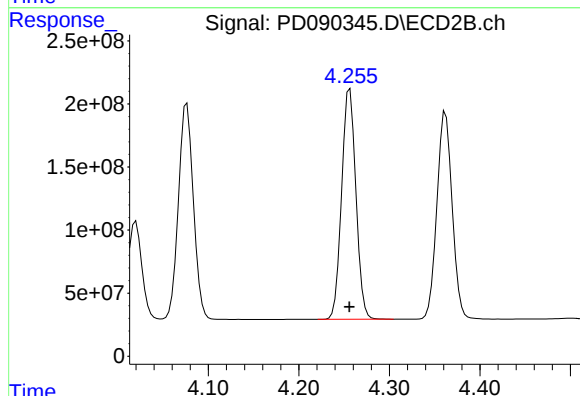
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 323567931
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

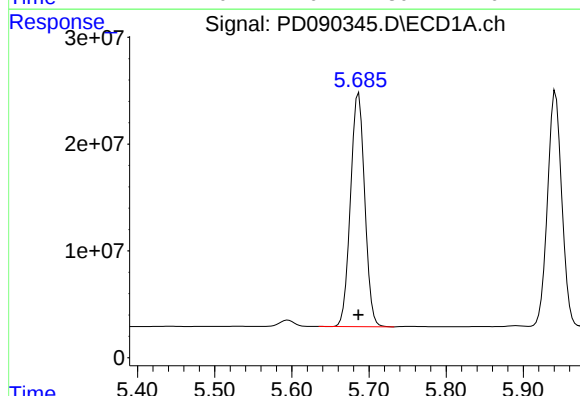
Manual Integrations
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Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



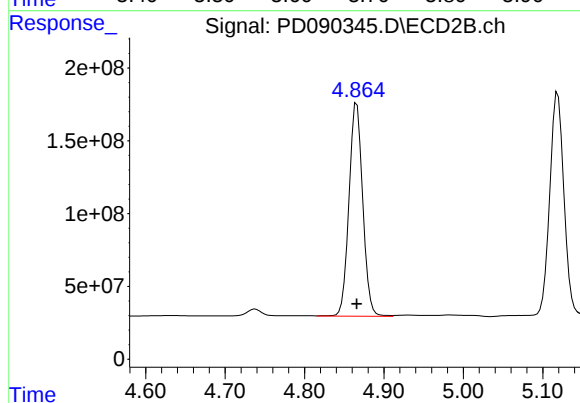
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2001014319
Conc: 48.46 ng/ml



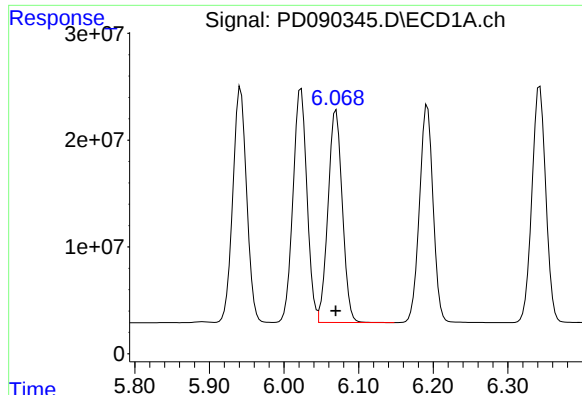
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 279128697
Conc: 48.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1766937728
Conc: 47.93 ng/ml



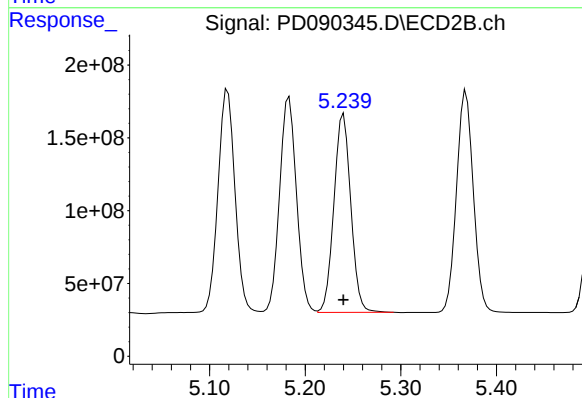
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 265478209
Conc: 49.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

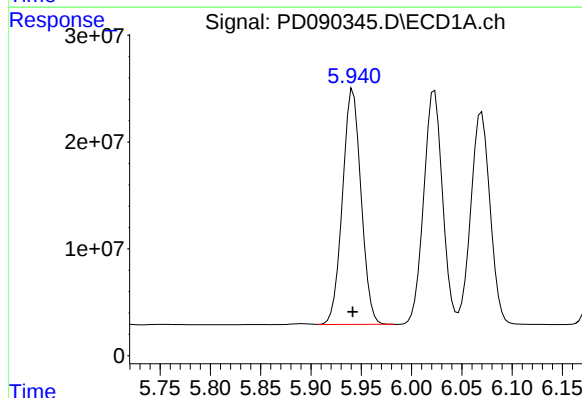
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Supervised By :mohammad ahmed 09/22/2025



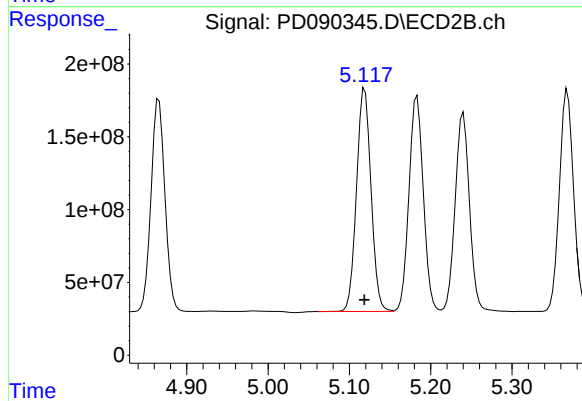
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1670315014
Conc: 48.27 ng/ml



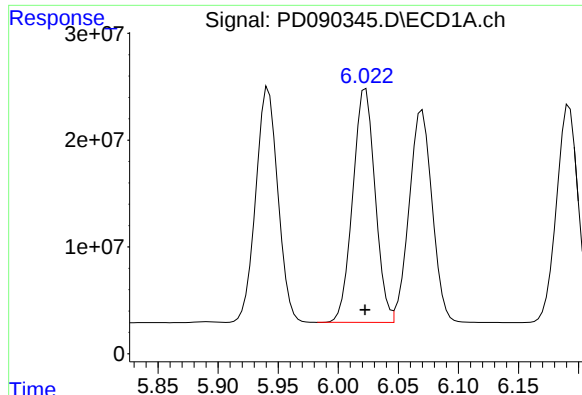
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 282683808
Conc: 49.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 1894544450
Conc: 48.22 ng/ml



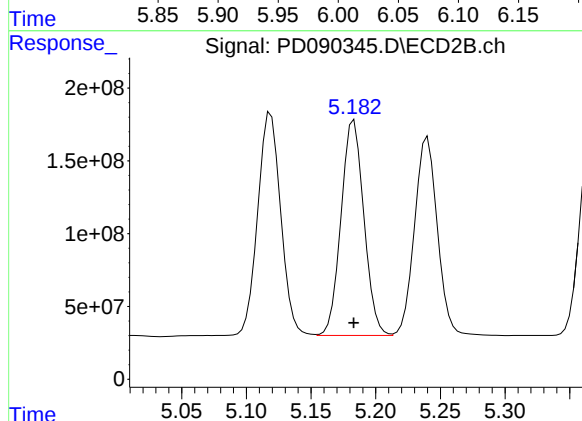
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 283456257
Conc: 49.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

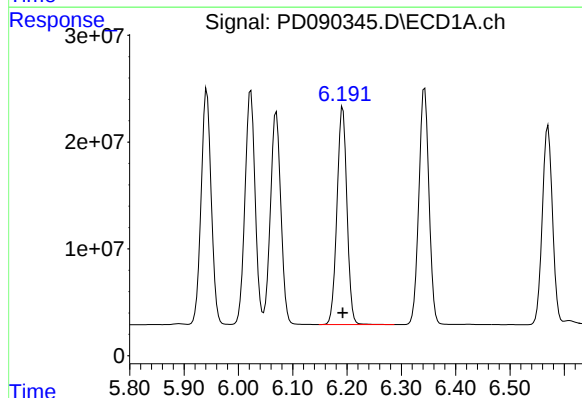
Manual Integrations
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Supervised By :mohammad ahmed 09/22/2025



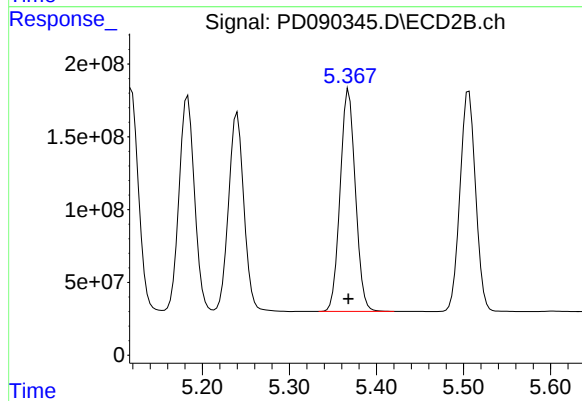
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1815289301
Conc: 48.20 ng/ml



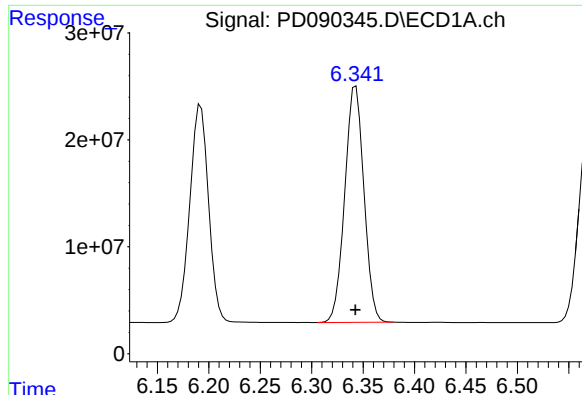
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 259396167
Conc: 49.81 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1854938581
Conc: 48.46 ng/ml



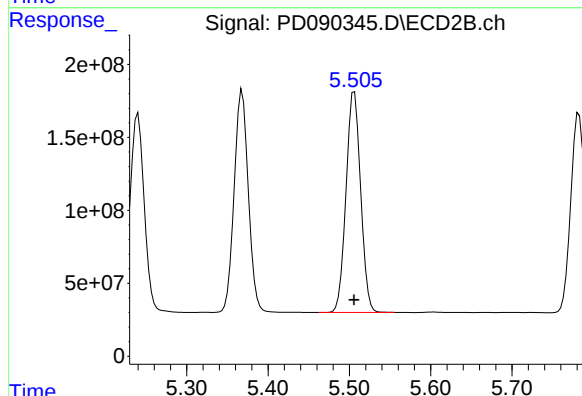
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 286409762
Conc: 49.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

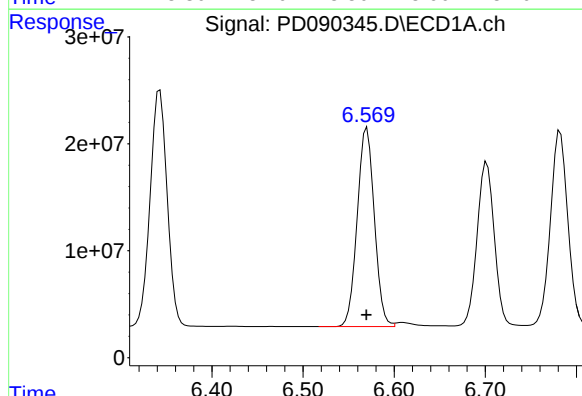
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Supervised By :mohammad ahmed 09/22/2025



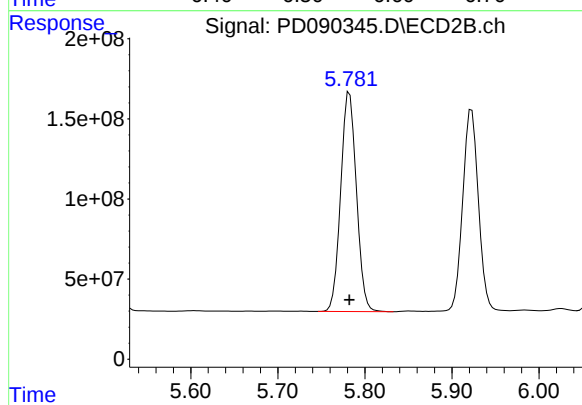
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1884878134
Conc: 48.40 ng/ml



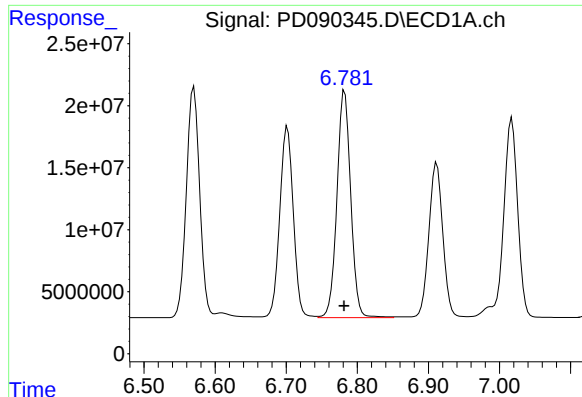
#14 Endrin

R.T.: 6.570 min
Delta R.T.: 0.000 min
Response: 242799500
Conc: 49.61 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1721220273
Conc: 48.04 ng/ml



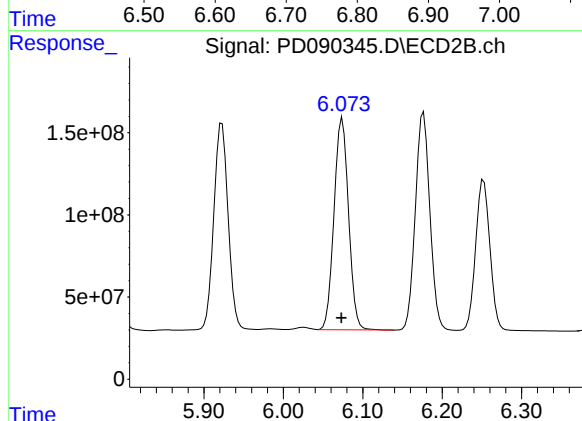
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 246031158
Conc: 50.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD091825

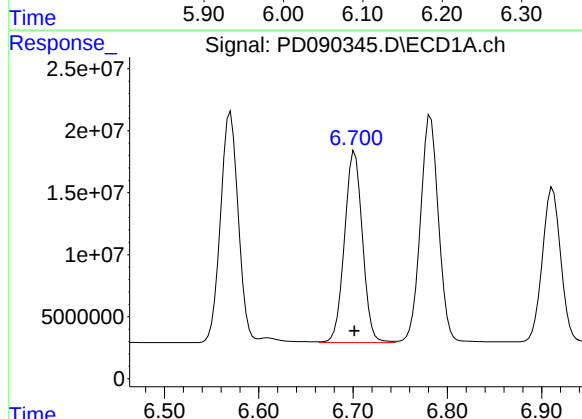
Manual Integrations
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Supervised By :mohammad ahmed 09/22/2025



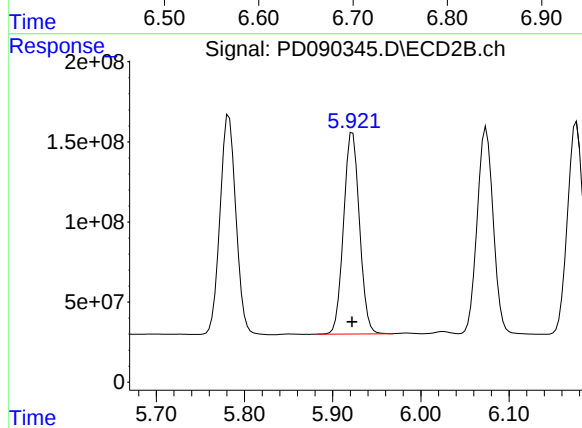
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 1633051126
Conc: 48.39 ng/ml



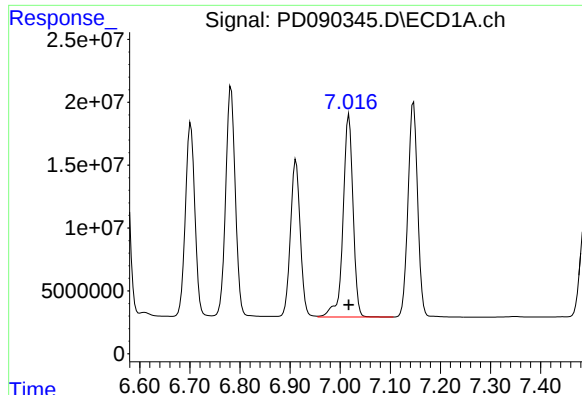
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 204539231
Conc: 49.91 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1574503119
Conc: 48.55 ng/ml



#17 4,4'-DDT

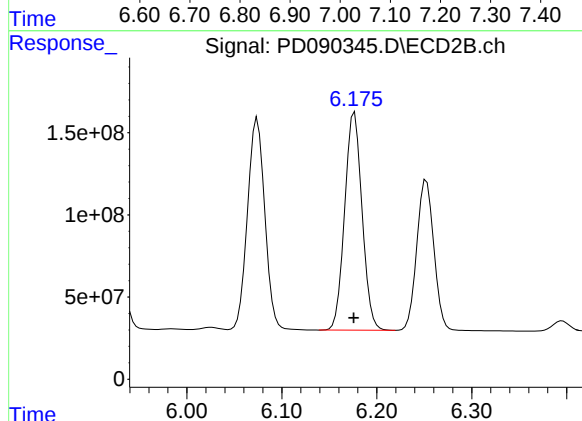
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 223714000
Conc: 50.25 ng/ml

Instrument :

ECD_D

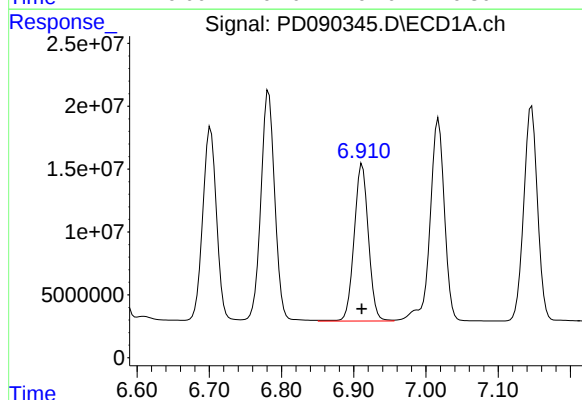
ClientSampleId :
ICVPD091825**Manual Integrations
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Supervised By :mohammad ahmed 09/22/2025



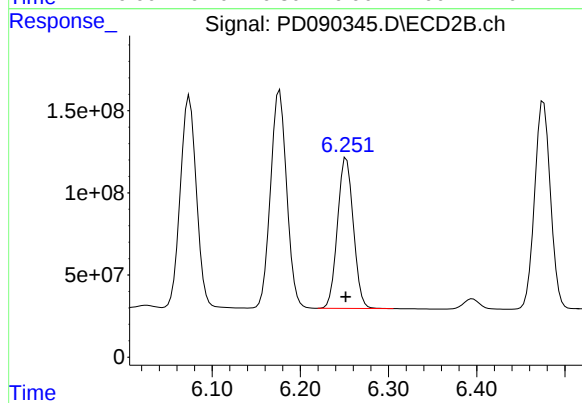
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1690511871
Conc: 49.17 ng/ml



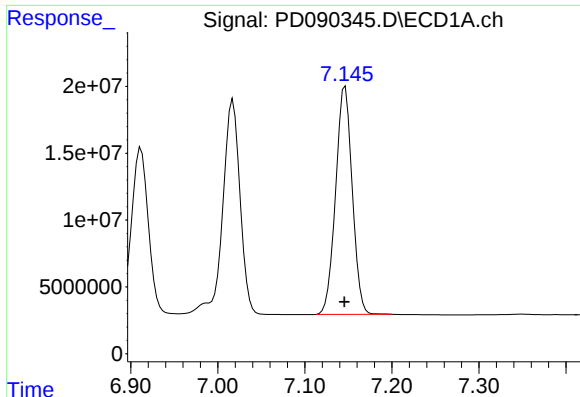
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 171178463
Conc: 49.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1146694142
Conc: 48.70 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 226366313
Conc: 49.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

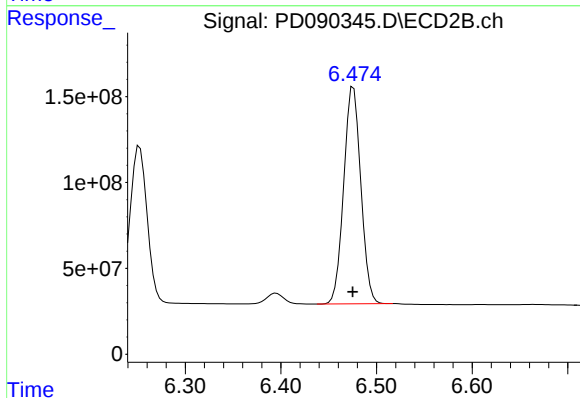
ICVPD091825

Manual Integrations

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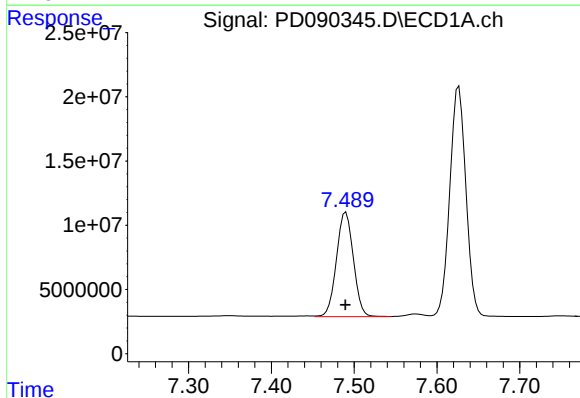
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



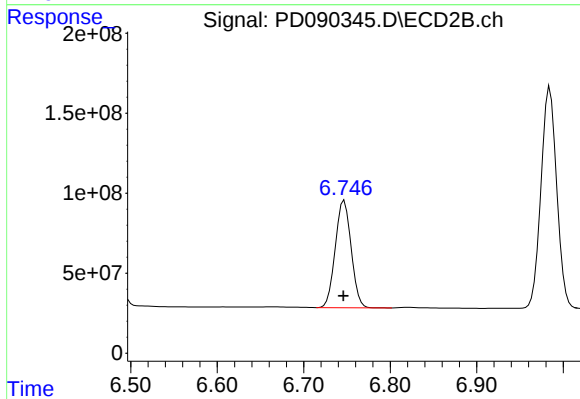
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1576624962
Conc: 48.23 ng/ml



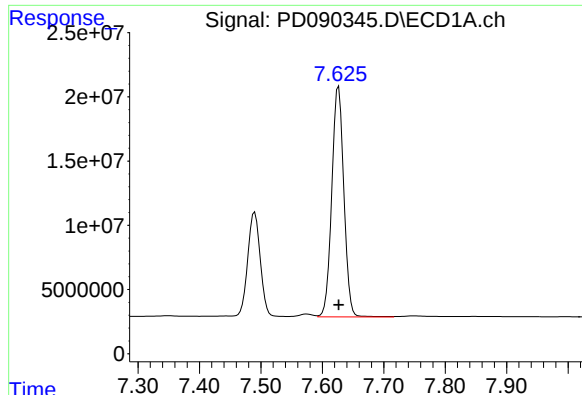
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 115712185
Conc: 49.10 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.001 min
Response: 851594817
Conc: 48.94 ng/ml



#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 244709672
Conc: 49.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

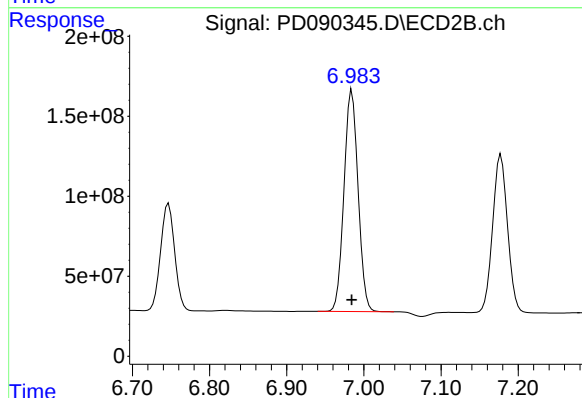
ICVPD091825

Manual Integrations

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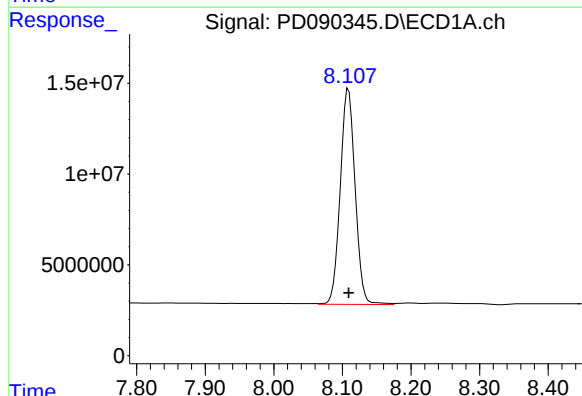
Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



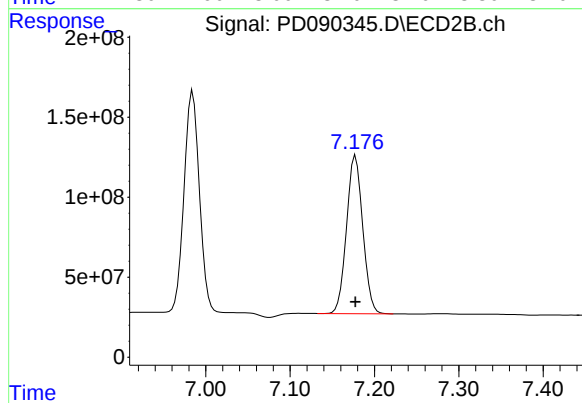
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1750763949
Conc: 48.49 ng/ml



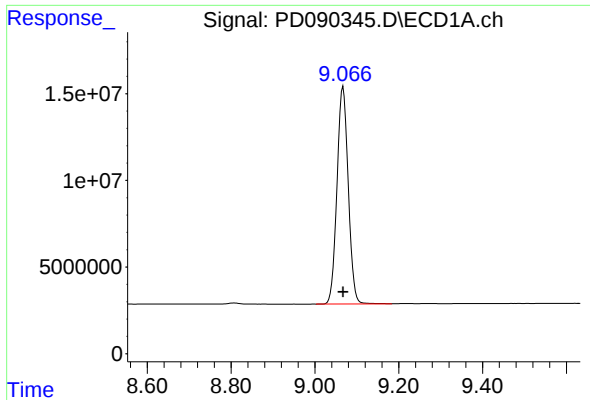
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 179182889
Conc: 48.36 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1323097558
Conc: 47.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 233844097
Conc: 48.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

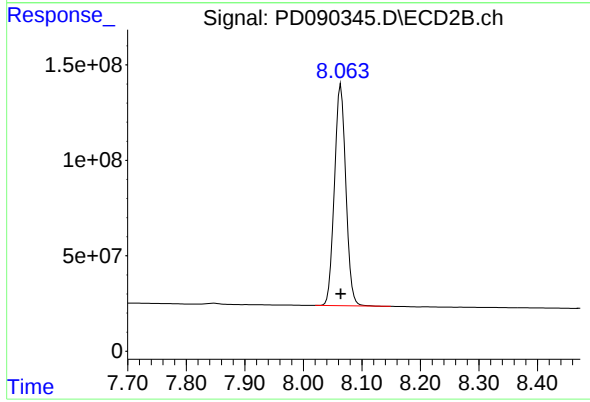
ICVPD091825

Manual Integrations

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Reviewed By :Abdul Mirza 09/19/2025

Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1568046483
Conc: 48.37 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/14/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 14:59

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.93	4.83	5.03	0.01
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/14/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 14:59

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090584.D **Time Analyzed:** 14:59

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.066	8.968	9.168	48.260	50.000	-3.5
Endrin	6.568	6.469	6.669	52.810	50.000	5.6
gamma-BHC (Lindane)	4.325	4.226	4.426	54.580	50.000	9.2
Heptachlor	4.924	4.825	5.025	44.400	50.000	-11.2
Heptachlor epoxide	5.685	5.586	5.786	52.400	50.000	4.8
Methoxychlor	7.488	7.390	7.590	42.200	50.000	-15.6
Tetrachloro-m-xylene	3.545	3.446	3.646	51.250	50.000	2.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090584.D **Time Analyzed:** 14:59

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.061	7.964	8.164	46.220	50.000	-7.6
Endrin	5.781	5.682	5.882	54.390	50.000	8.8
gamma-BHC (Lindane)	3.723	3.624	3.824	55.500	50.000	11.0
Heptachlor	4.075	3.976	4.176	50.440	50.000	0.9
Heptachlor epoxide	4.865	4.766	4.966	54.380	50.000	8.8
Methoxychlor	6.745	6.646	6.846	44.530	50.000	-10.9
Tetrachloro-m-xylene	2.875	2.776	2.976	53.770	50.000	7.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 14:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:39:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	166.6E6	1476.0E6	51.247	53.771
28)	SA Decachlor...	9.066	8.061	232.8E6	1498.1E6	48.257	46.218
Target Compounds							
2)	A alpha-BHC	3.995	3.387	384.2E6	2452.1E6	55.014	56.007
3)	MA gamma-BHC...	4.325	3.723	361.1E6	2261.0E6	54.579	55.505
4)	MA Heptachlor	4.924	4.075	293.6E6	2053.8E6	44.399	50.441
5)	MB Aldrin	5.265	4.361	344.2E6	2229.5E6	54.210	55.828
6)	B beta-BHC	4.512	4.019	136.2E6	948.9E6	52.776	54.741
7)	B delta-BHC	4.759	4.255	355.0E6	2279.3E6	54.969m	55.197
8)	B Heptachlo...	5.685	4.865	299.5E6	2004.7E6	52.399	54.380
9)	A Endosulfan I	6.068	5.238	282.7E6	1835.7E6	52.345	53.048
10)	B gamma-Chl...	5.940	5.117	305.4E6	2172.6E6	53.465	55.303
11)	B alpha-Chl...	6.021	5.182	302.7E6	2070.3E6	52.549	54.966
12)	B 4,4'-DDE	6.191	5.366	277.7E6	2114.9E6	53.319	55.251
13)	MA Dieldrin	6.341	5.504	303.6E6	2118.0E6	52.659	54.384
14)	MA Endrin	6.568	5.781	258.4E6	1948.9E6	52.805	54.391
15)	B Endosulfa...	6.781	6.072	258.8E6	1803.2E6	53.064	53.427
16)	A 4,4'-DDD	6.700	5.921	217.4E6	1742.7E6	53.043	53.740
17)	MA 4,4'-DDT	7.016	6.174	204.8E6	1647.7E6	46.001	47.927
18)	B Endrin al...	6.910	6.250	178.6E6	1266.5E6	52.058	53.788
19)	B Endosulfa...	7.144	6.474	226.3E6	1661.3E6	49.184	50.819
20)	A Methoxychlor	7.488	6.745	99442026	774.8E6	42.199	44.525
21)	B Endrin ke...	7.625	6.983	243.3E6	1790.4E6	49.182	49.591
22)	Mirex	8.108	7.176	175.4E6	1339.8E6	47.342	48.531

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 14:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

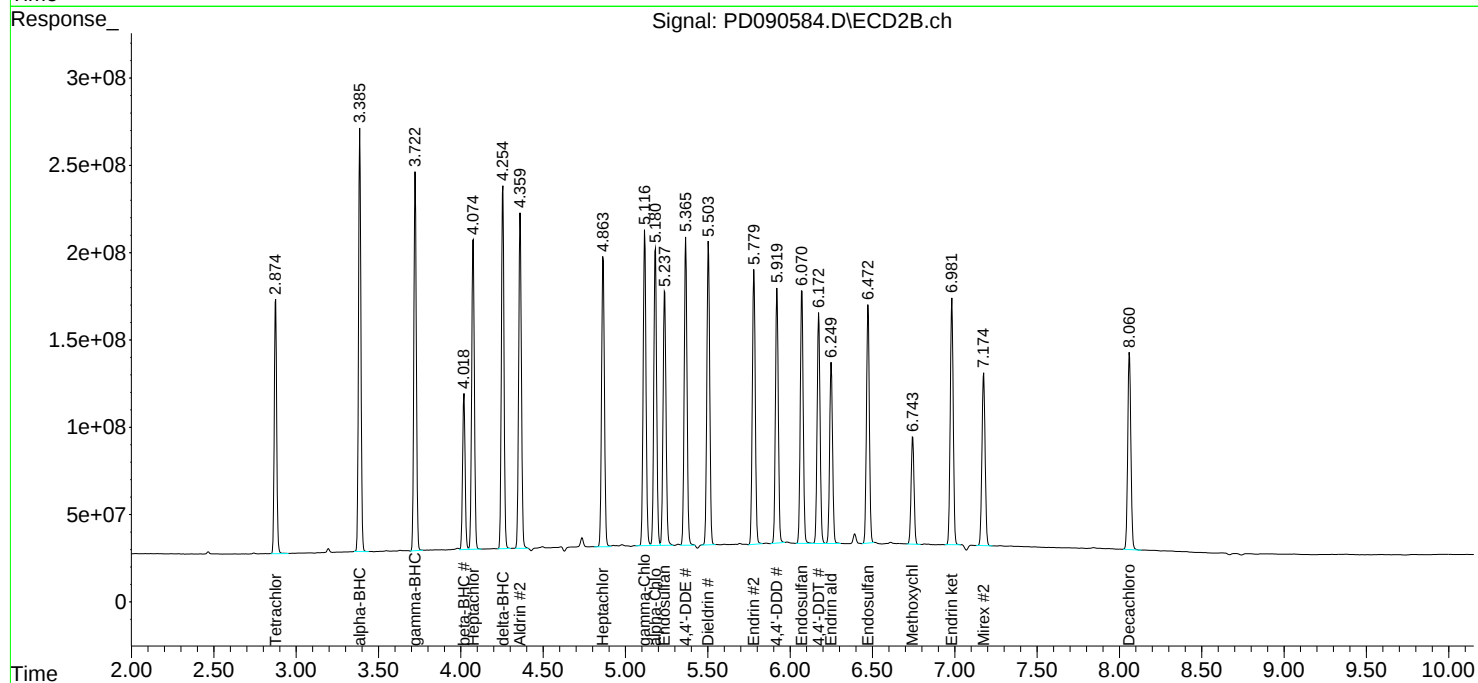
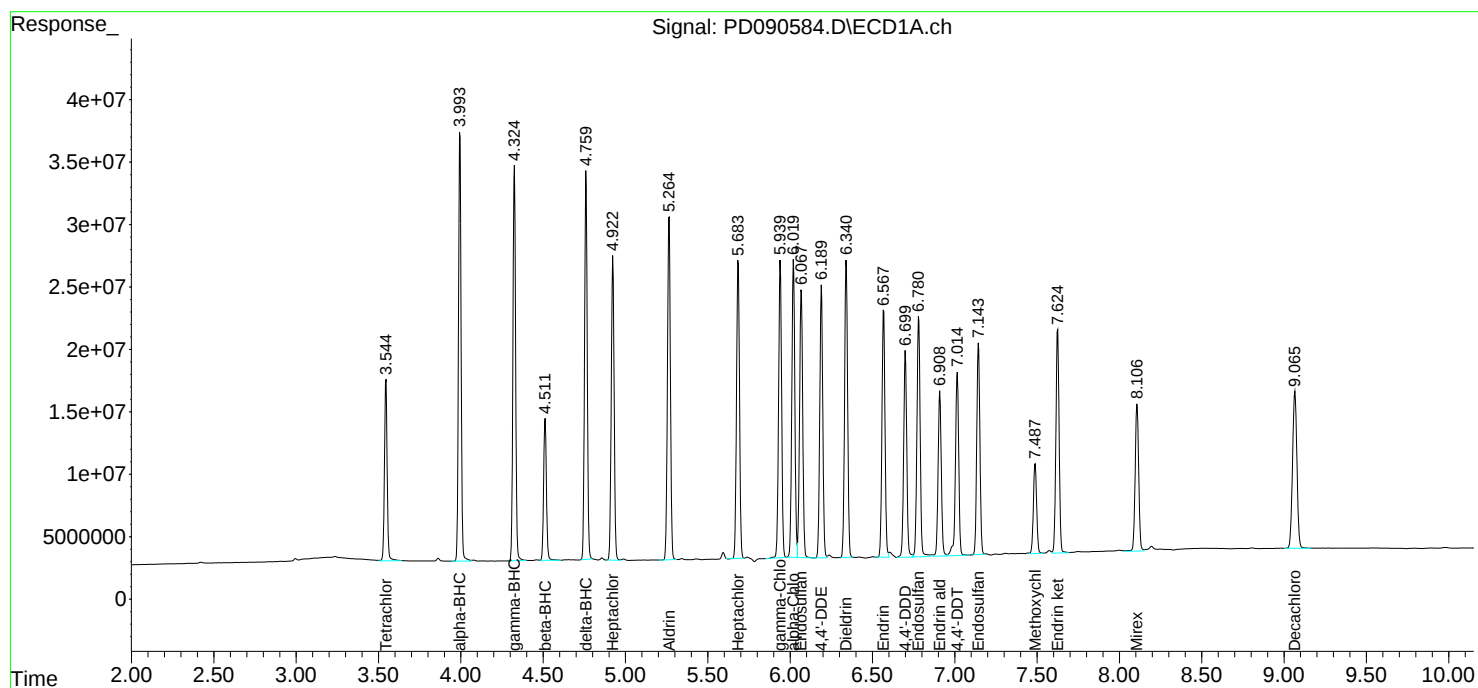
APPROVED

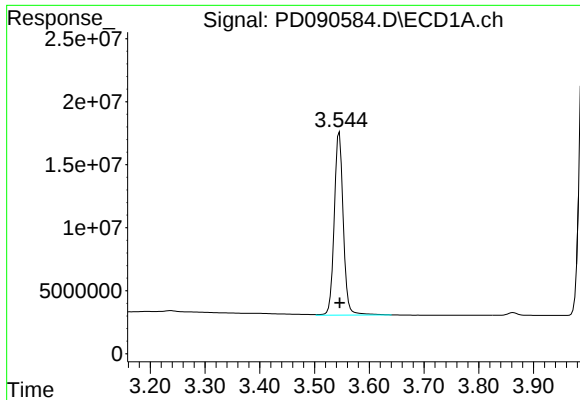
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 166574724
Conc: 51.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

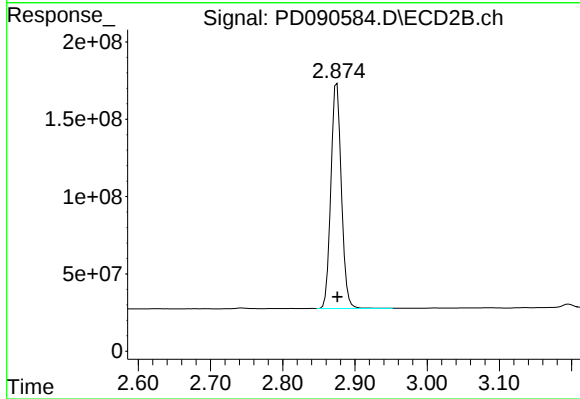
PSTDCCC050

Manual Integrations

APPROVED

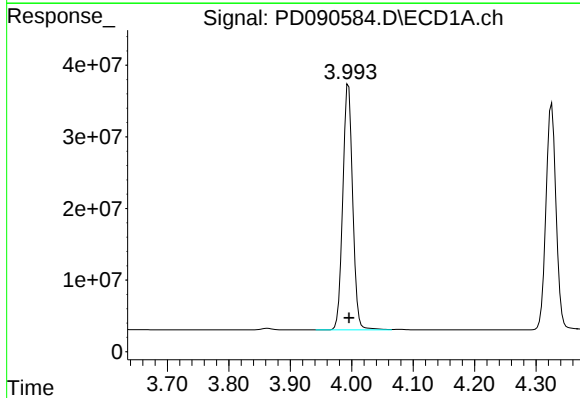
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



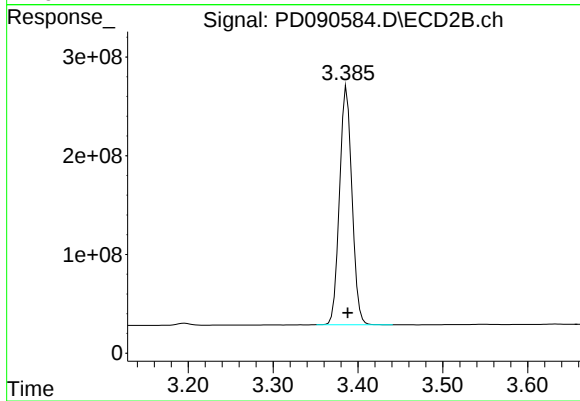
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1476012624
Conc: 53.77 ng/ml



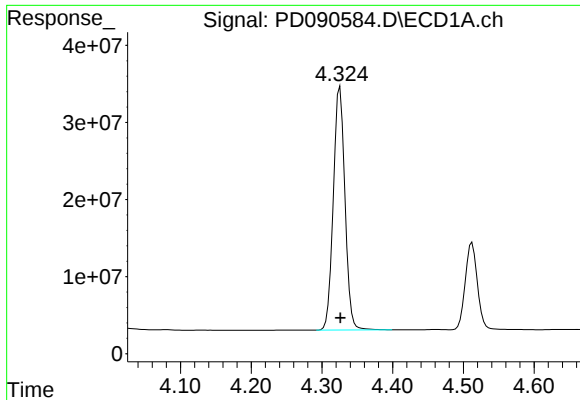
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 384247089
Conc: 55.01 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2452139137
Conc: 56.01 ng/ml



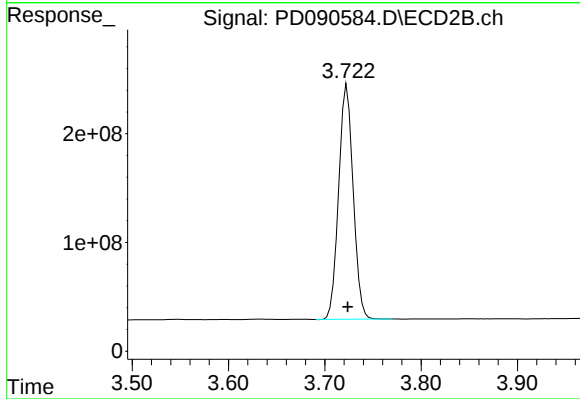
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 361141078
Conc: 54.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

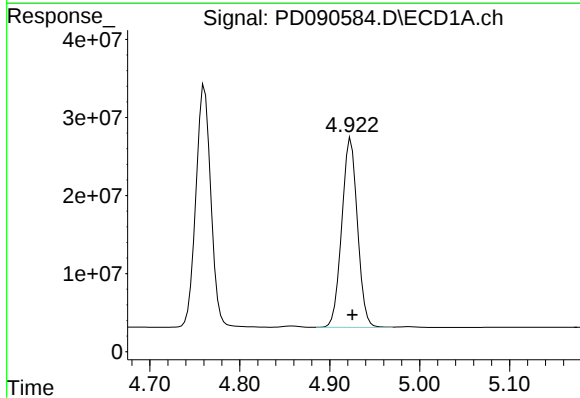
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



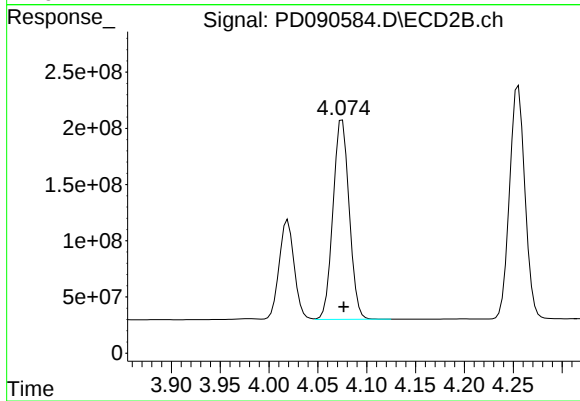
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2261016383
Conc: 55.50 ng/ml



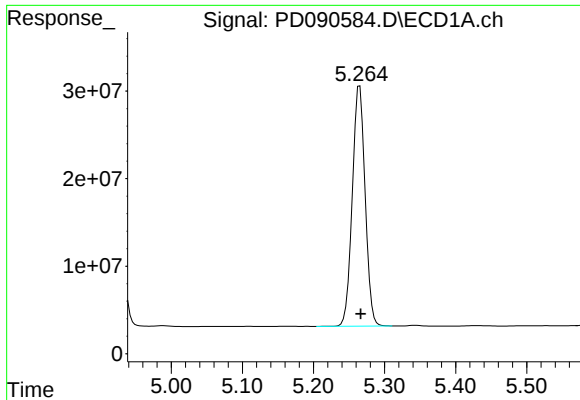
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.002 min
Response: 293589073
Conc: 44.40 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2053801820
Conc: 50.44 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 344229124
Conc: 54.21 ng/ml

Instrument :

ECD_D

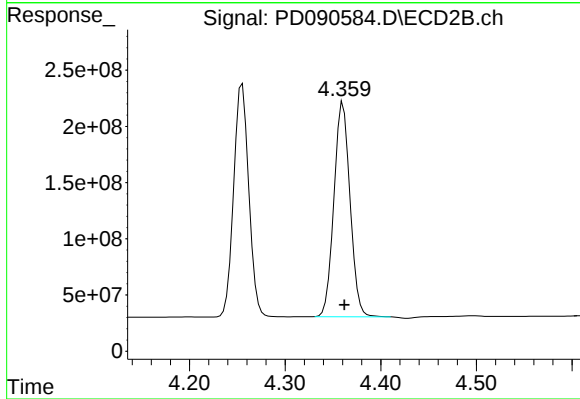
ClientSampleId :

PSTDCCC050

Manual Integrations

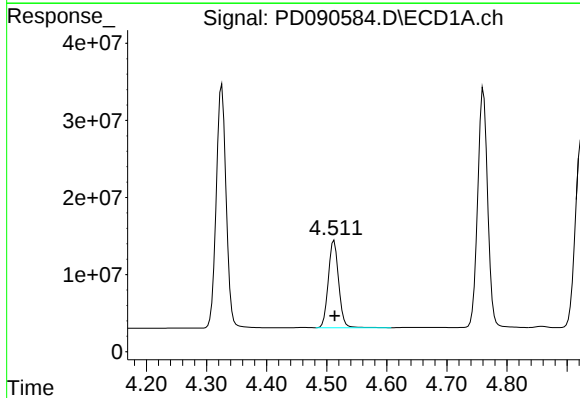
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



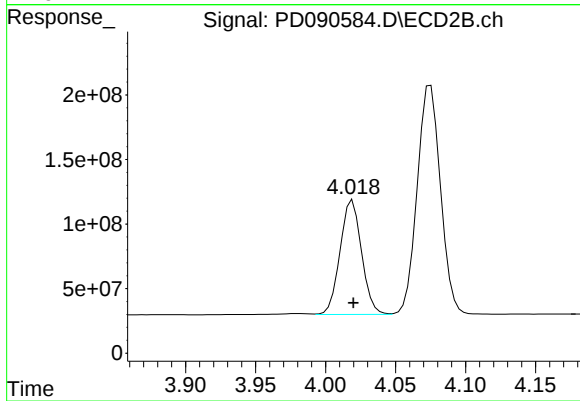
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2229470290
Conc: 55.83 ng/ml



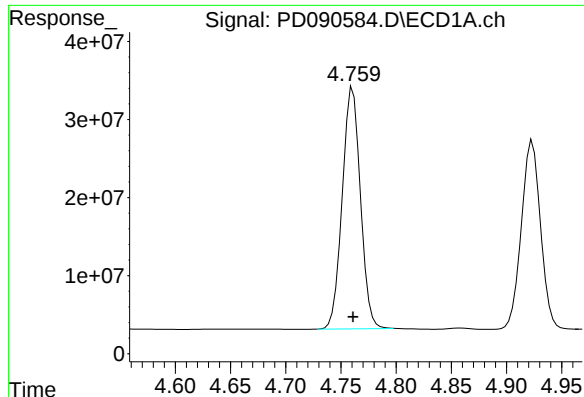
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 136157213
Conc: 52.78 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 948944137
Conc: 54.74 ng/ml



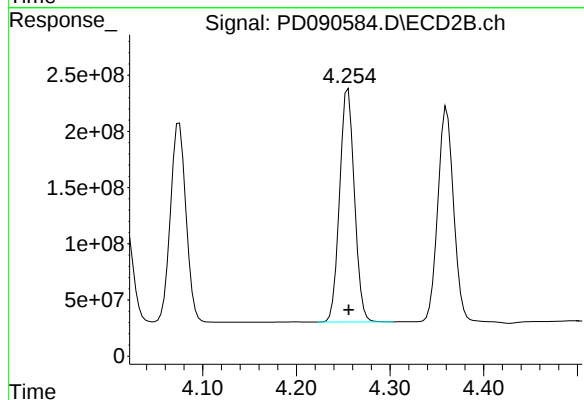
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 354965085
Conc: 54.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

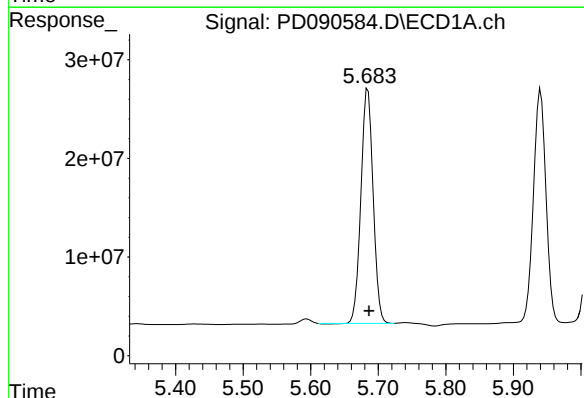
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



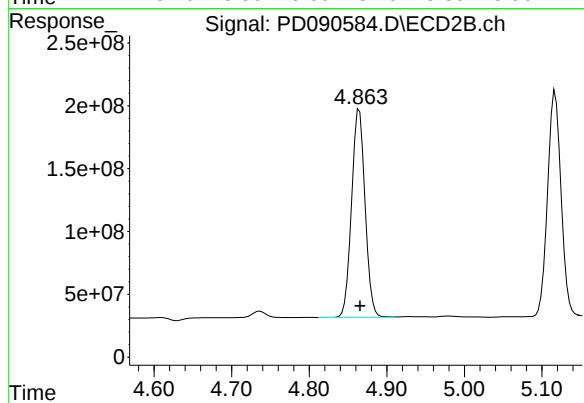
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2279332016
Conc: 55.20 ng/ml



#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.002 min
Response: 299455618
Conc: 52.40 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 2004719226
Conc: 54.38 ng/ml

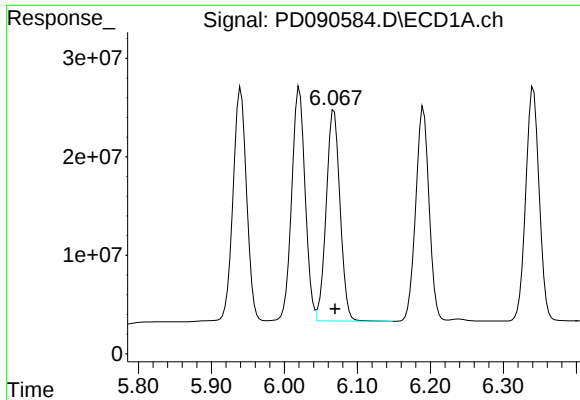
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 282741891
Conc: 52.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

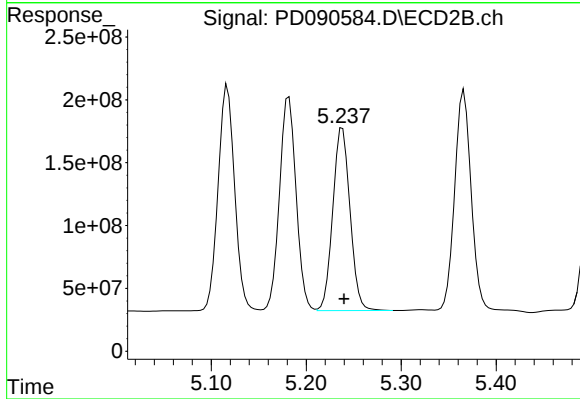
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



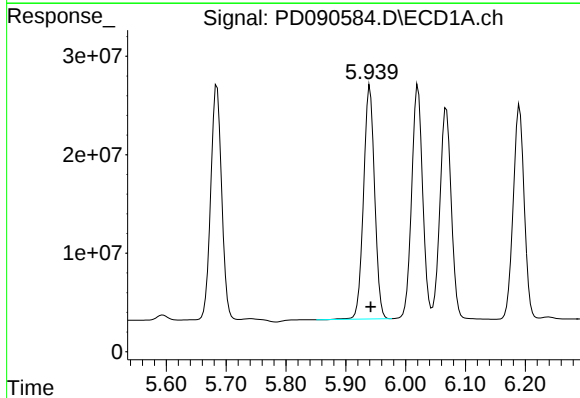
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1835733359
Conc: 53.05 ng/ml



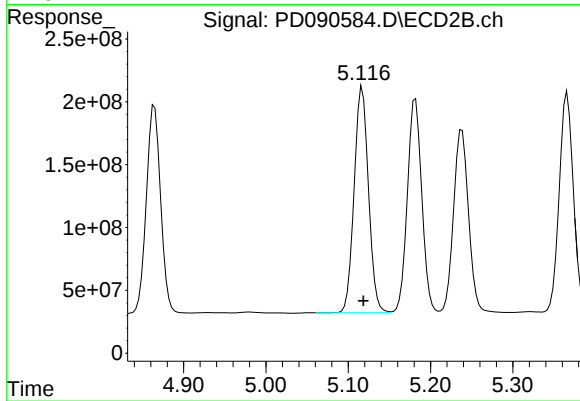
#10 gamma-Chlordane

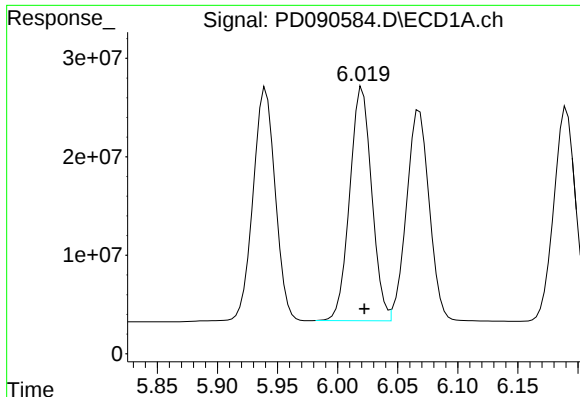
R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 305388023
Conc: 53.46 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2172647127
Conc: 55.30 ng/ml





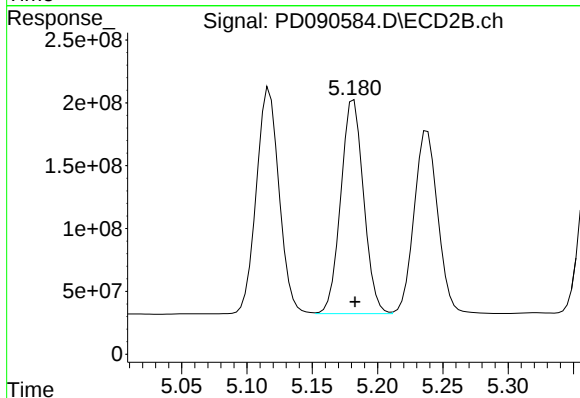
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: -0.002 min
Response: 302728905
Conc: 52.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

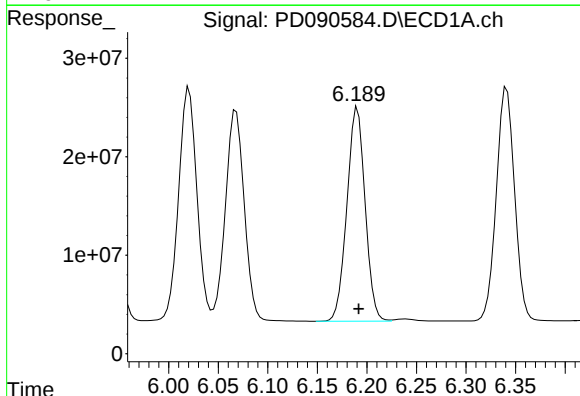
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/16/2025



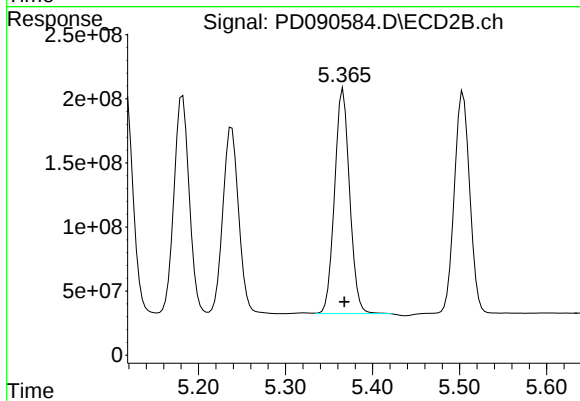
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2070320698
Conc: 54.97 ng/ml



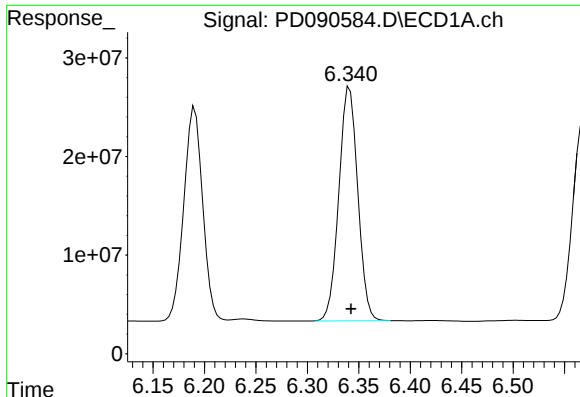
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 277658314
Conc: 53.32 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 2114939520
Conc: 55.25 ng/ml



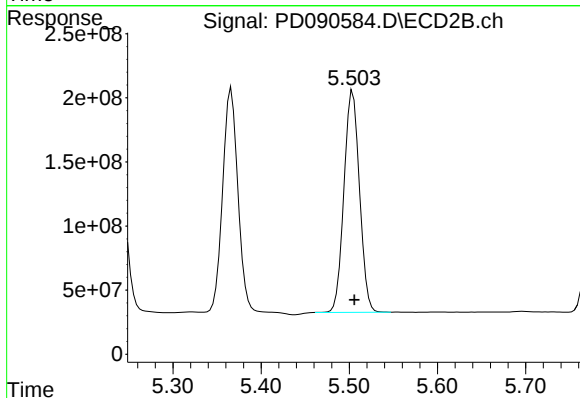
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 303564016
Conc: 52.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

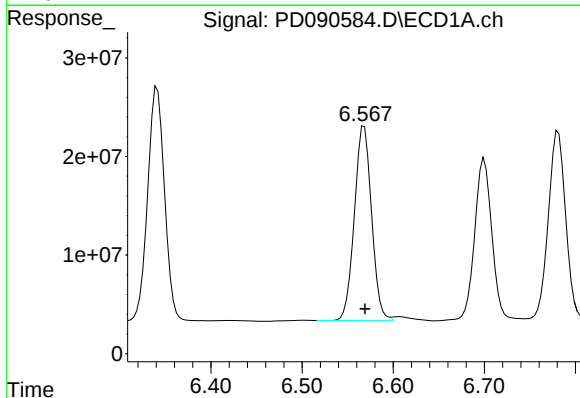
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



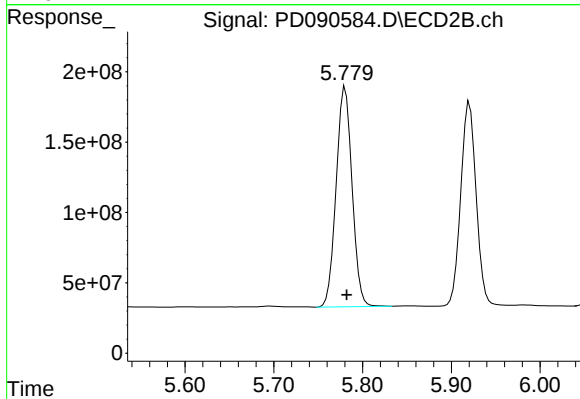
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 2118021283
Conc: 54.38 ng/ml



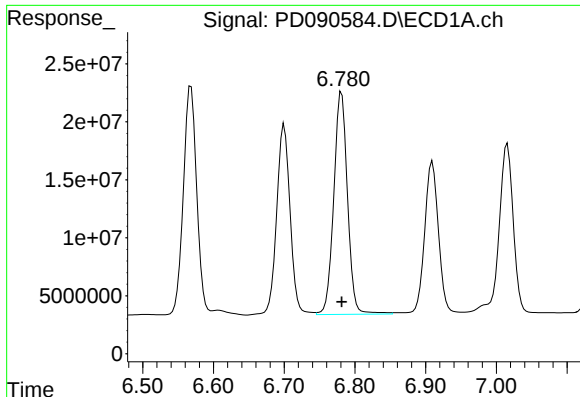
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 258425953
Conc: 52.81 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.002 min
Response: 1948932330
Conc: 54.39 ng/ml



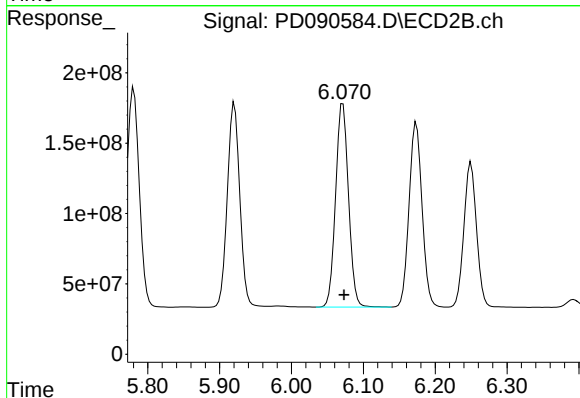
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 258836110
Conc: 53.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

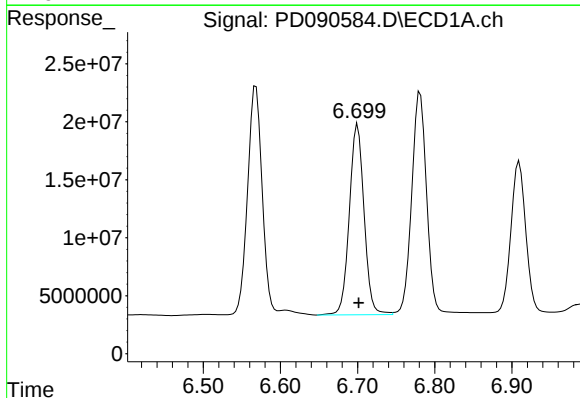
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



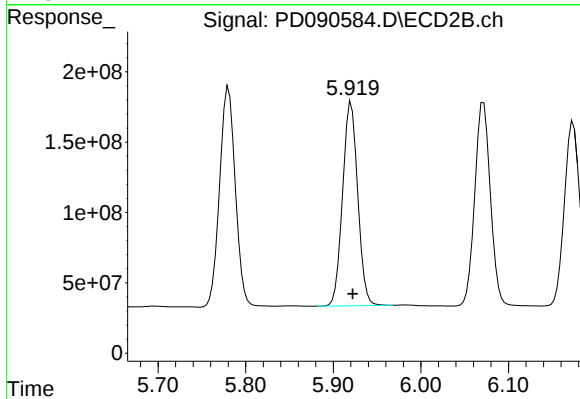
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.002 min
Response: 1803203218
Conc: 53.43 ng/ml



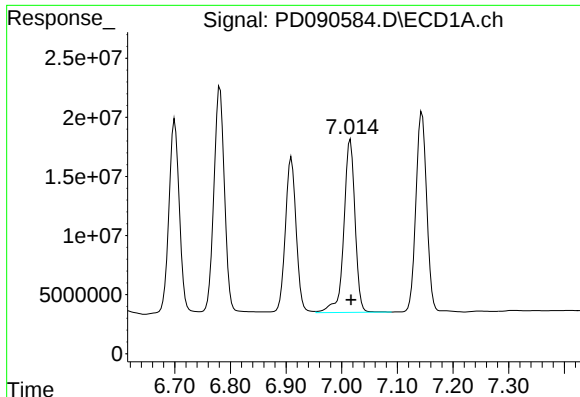
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 217358957
Conc: 53.04 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1742669246
Conc: 53.74 ng/ml



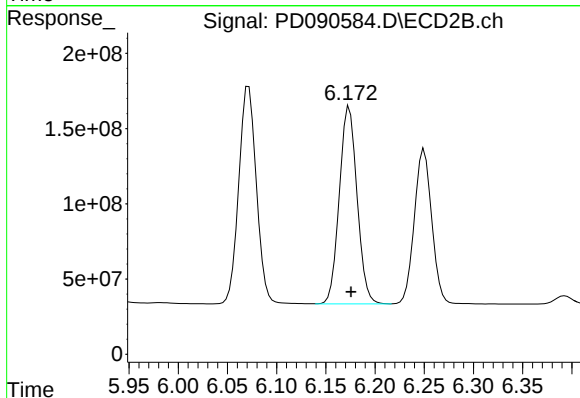
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 204815481
Conc: 46.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

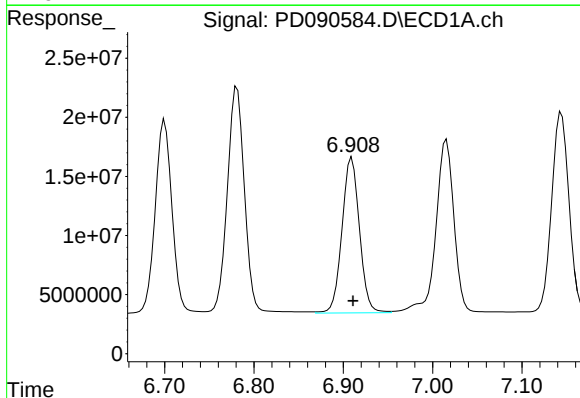
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



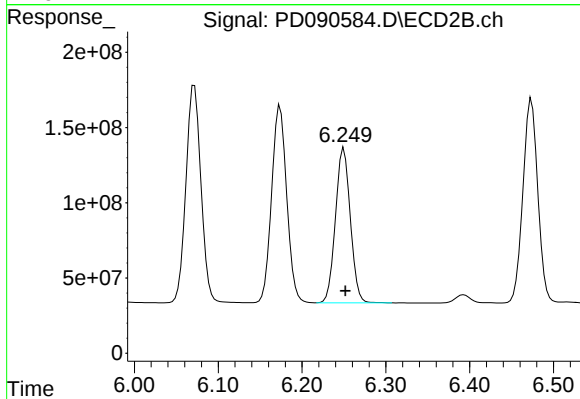
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1647679302
Conc: 47.93 ng/ml



#18 Endrin aldehyde

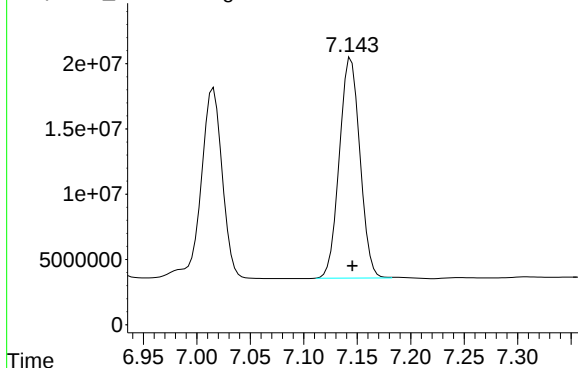
R.T.: 6.910 min
Delta R.T.: -0.002 min
Response: 178591175
Conc: 52.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1266526007
Conc: 53.79 ng/ml

Signal: PD090584.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 226262023
Conc: 49.18 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

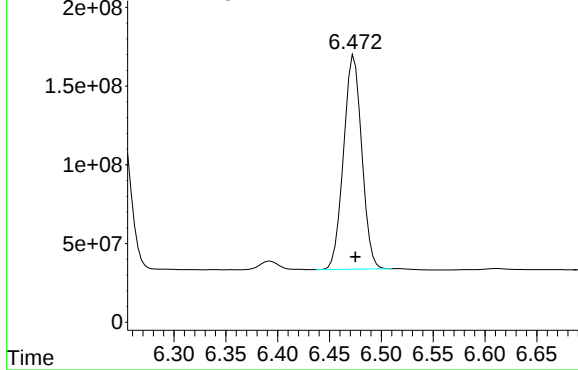
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

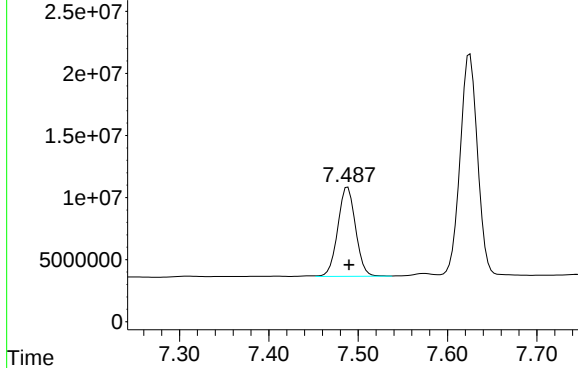
Signal: PD090584.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1661280162
Conc: 50.82 ng/ml

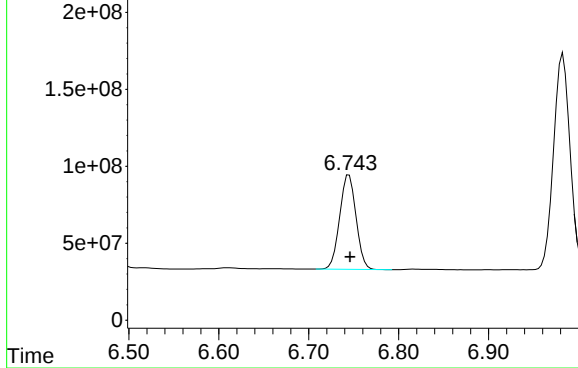
Signal: PD090584.D\ECD1A.ch



#20 Methoxychlor

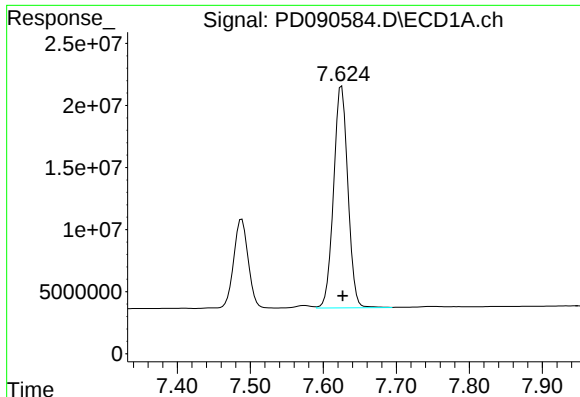
R.T.: 7.488 min
Delta R.T.: -0.001 min
Response: 99442026
Conc: 42.20 ng/ml

Signal: PD090584.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 774759665
Conc: 44.53 ng/ml



#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 243322208
Conc: 49.18 ng/ml

Instrument :

ECD_D

ClientSampleId :

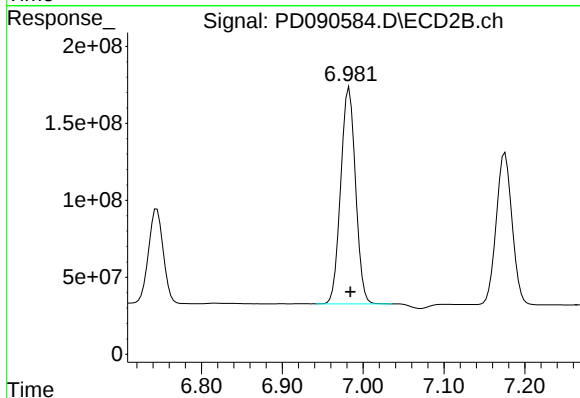
PSTDCCC050

Manual Integrations

APPROVED

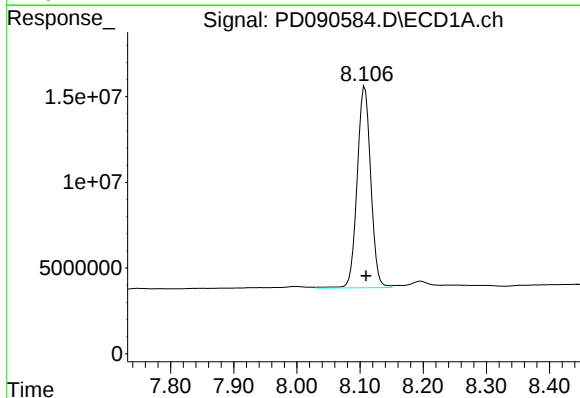
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



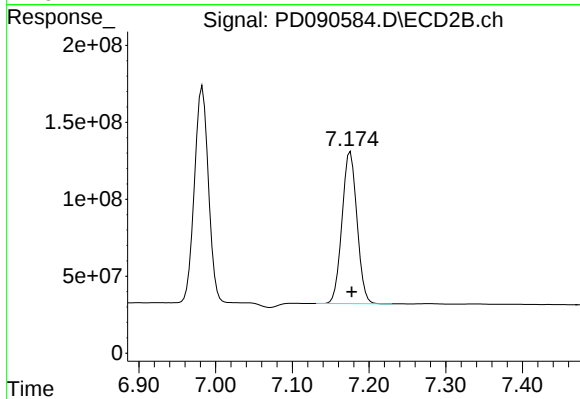
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1790376146
Conc: 49.59 ng/ml



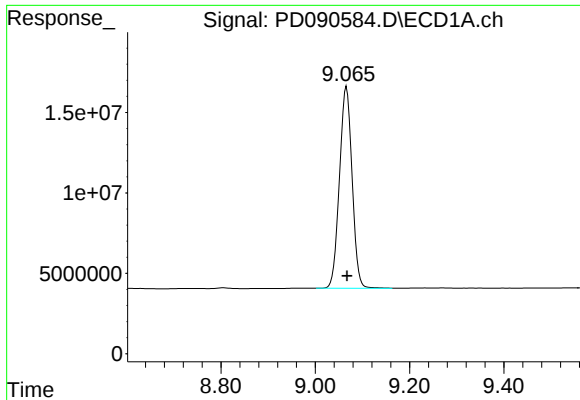
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 175394388
Conc: 47.34 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.002 min
Response: 1339761442
Conc: 48.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 232841212
Conc: 48.26 ng/ml

Instrument :

ECD_D

ClientSampleId :

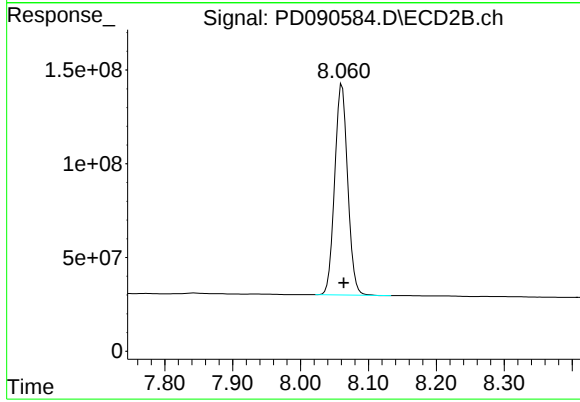
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 1498143277
Conc: 46.22 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/14/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 18:32

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.93	4.83	5.03	0.01
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/14/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 18:32

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Heptachlor epoxide	4.86	4.87	4.77	4.97	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090592.D **Time Analyzed:** 18:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.064	8.968	9.168	49.240	50.000	-1.5
Endrin	6.569	6.469	6.669	53.600	50.000	7.2
gamma-BHC (Lindane)	4.325	4.226	4.426	54.760	50.000	9.5
Heptachlor	4.923	4.825	5.025	44.450	50.000	-11.1
Heptachlor epoxide	5.685	5.586	5.786	52.720	50.000	5.4
Methoxychlor	7.488	7.390	7.590	42.720	50.000	-14.6
Tetrachloro-m-xylene	3.545	3.446	3.646	51.380	50.000	2.8



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/14/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090592.D **Time Analyzed:** 18:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.061	7.964	8.164	48.290	50.000	-3.4
Endrin	5.781	5.682	5.882	55.580	50.000	11.2
gamma-BHC (Lindane)	3.723	3.624	3.824	56.100	50.000	12.2
Heptachlor	4.075	3.976	4.176	51.200	50.000	2.4
Heptachlor epoxide	4.864	4.766	4.966	55.340	50.000	10.7
Methoxychlor	6.745	6.646	6.846	45.280	50.000	-9.4
Tetrachloro-m-xylene	2.875	2.776	2.976	54.340	50.000	8.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 18:32
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 08:40:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	167.0E6	1491.6E6	51.380	54.341
28)	SA Decachlor...	9.064	8.061	237.6E6	1565.4E6	49.236	48.294
Target Compounds							
2)	A alpha-BHC	3.995	3.387	385.5E6	2473.8E6	55.191	56.502
3)	MA gamma-BHC...	4.325	3.723	362.3E6	2285.4E6	54.761	56.104
4)	MA Heptachlor	4.923	4.075	293.9E6	2084.6E6	44.451	51.197
5)	MB Aldrin	5.265	4.361	344.5E6	2262.8E6	54.253	56.661
6)	B beta-BHC	4.513	4.019	136.3E6	959.6E6	52.814	55.357
7)	B delta-BHC	4.759	4.255	359.5E6	2305.4E6	55.668m	55.829
8)	B Heptachlo...	5.685	4.864	301.3E6	2040.1E6	52.721	55.338
9)	A Endosulfan I	6.069	5.238	282.2E6	1868.4E6	52.241	53.992
10)	B gamma-Chl...	5.940	5.117	303.1E6	2214.2E6	53.058	56.361
11)	B alpha-Chl...	6.021	5.182	303.8E6	2109.8E6	52.734	56.016
12)	B 4,4'-DDE	6.191	5.366	282.0E6	2159.4E6	54.150	56.411
13)	MA Dieldrin	6.341	5.504	307.2E6	2169.2E6	53.285	55.697
14)	MA Endrin	6.569	5.781	262.3E6	1991.5E6	53.598	55.578
15)	B Endosulfa...	6.781	6.072	262.5E6	1843.2E6	53.819	54.612
16)	A 4,4'-DDD	6.700	5.921	219.9E6	1789.9E6	53.652	55.196
17)	MA 4,4'-DDT	7.015	6.174	202.3E6	1648.9E6	45.437m	47.962
18)	B Endrin al...	6.910	6.250	182.2E6	1290.6E6	53.101	54.809
19)	B Endosulfa...	7.144	6.474	231.2E6	1706.0E6	50.261	52.186
20)	A Methoxychlor	7.488	6.745	100.7E6	788.0E6	42.720	45.285
21)	B Endrin ke...	7.625	6.983	247.4E6	1850.3E6	50.004	51.251
22)	Mirex	8.107	7.175	177.1E6	1393.9E6	47.811	50.494

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 18:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

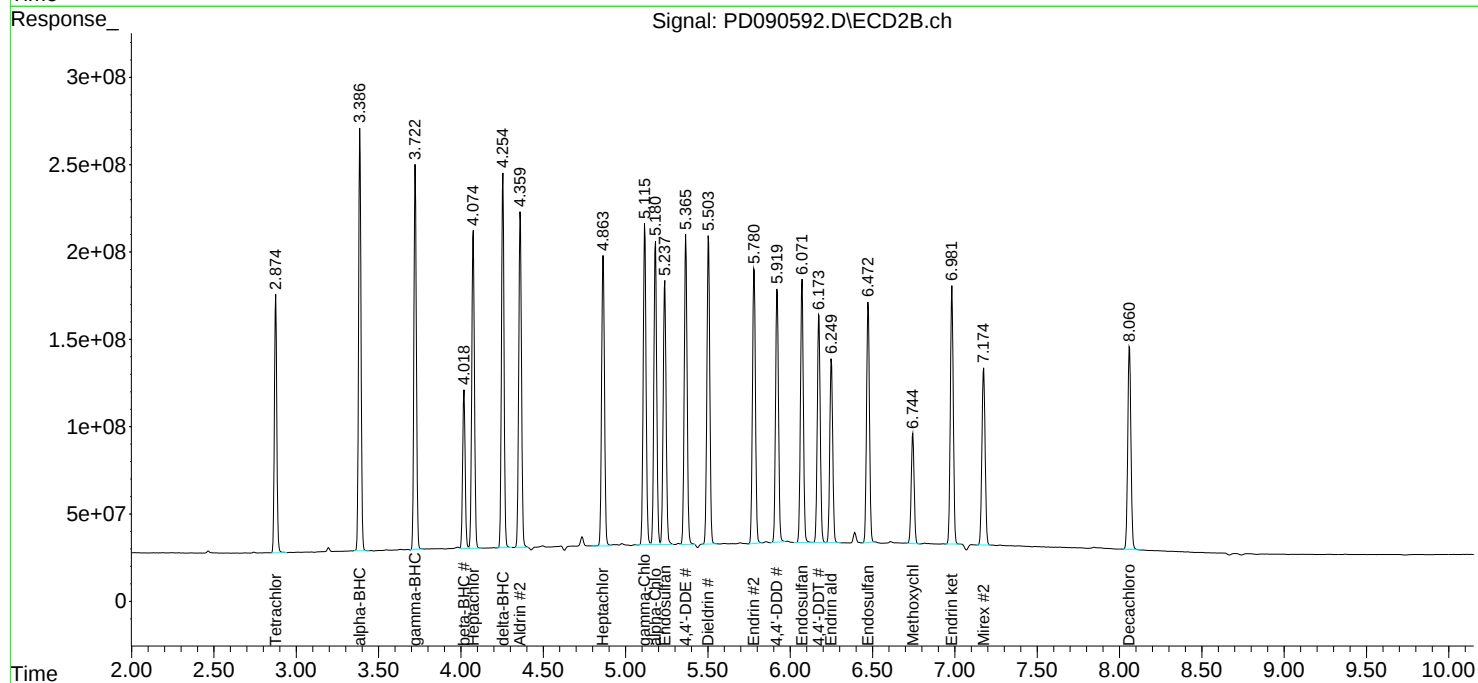
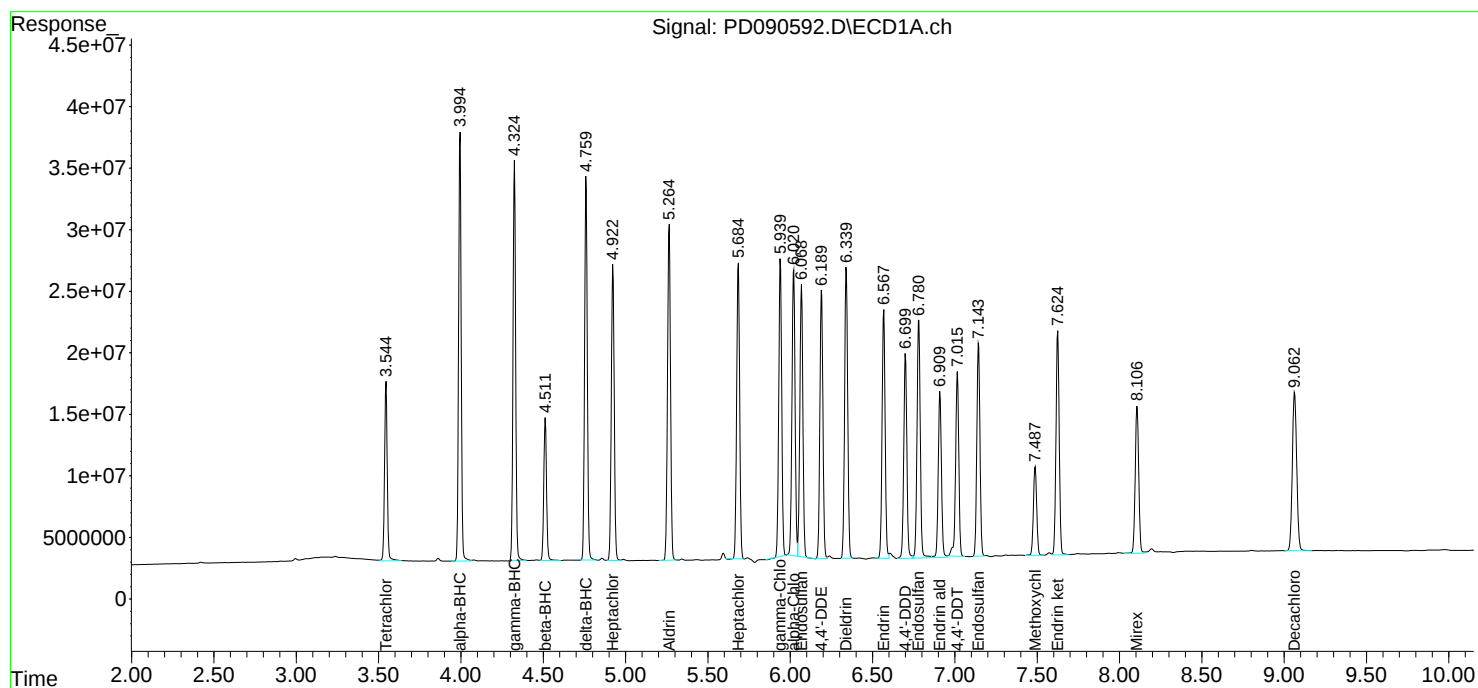
APPROVED

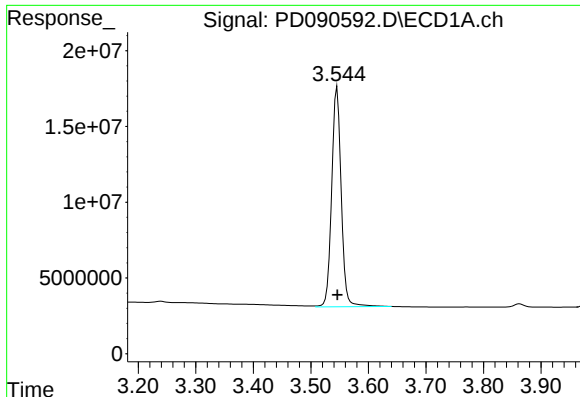
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 08:40:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 167009285
Conc: 51.38 ng/ml

Instrument :

ECD_D

ClientSampleId :

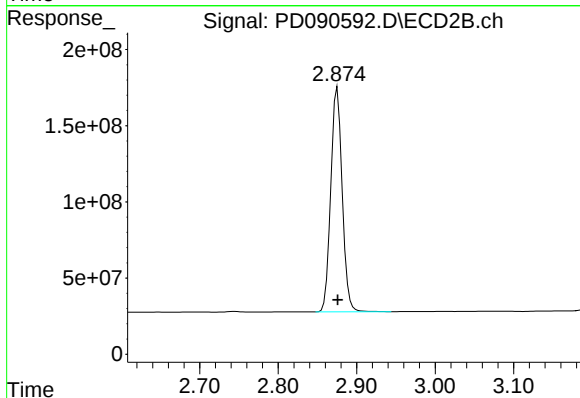
PSTDCCC050

Manual Integrations

APPROVED

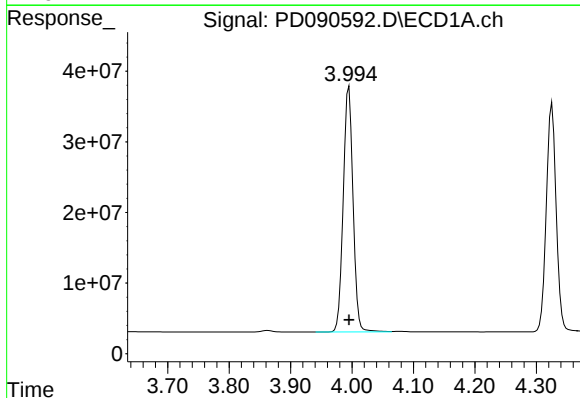
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



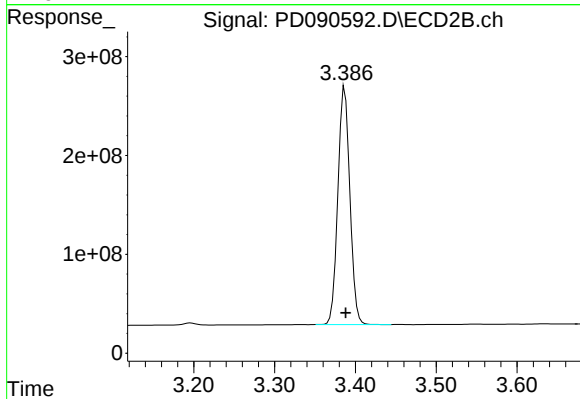
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1491649993
Conc: 54.34 ng/ml



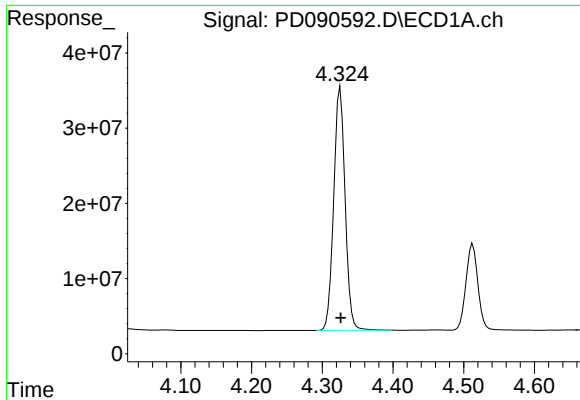
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 385486890
Conc: 55.19 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2473825575
Conc: 56.50 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 362348316
Conc: 54.76 ng/ml

Instrument :

ECD_D

ClientSampleId :

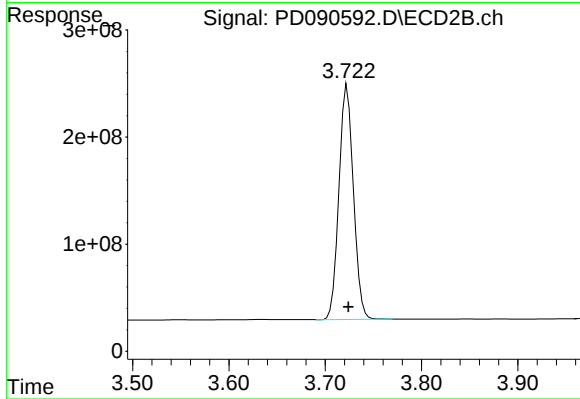
PSTDCCC050

Manual Integrations

APPROVED

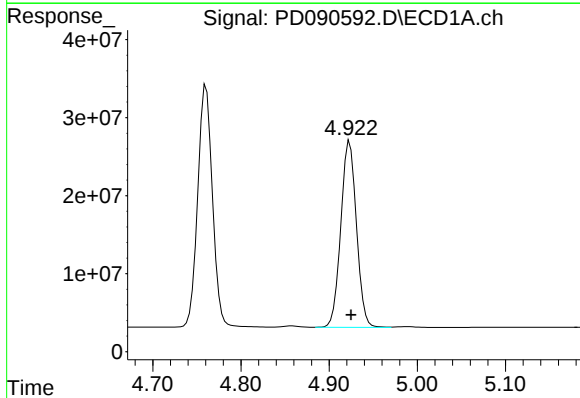
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



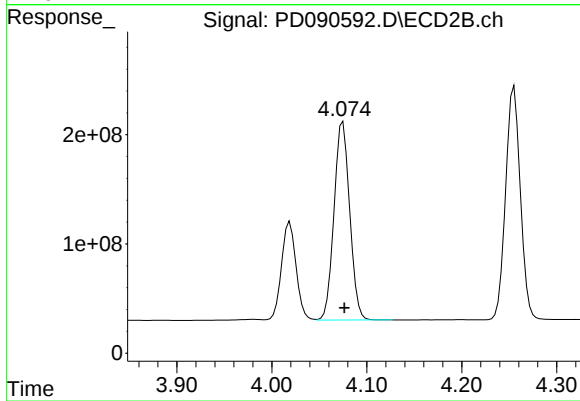
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2285415797
Conc: 56.10 ng/ml



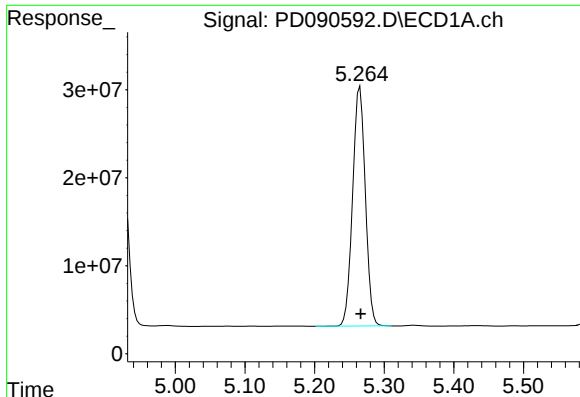
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 293933747
Conc: 44.45 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2084556049
Conc: 51.20 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 344502303
Conc: 54.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

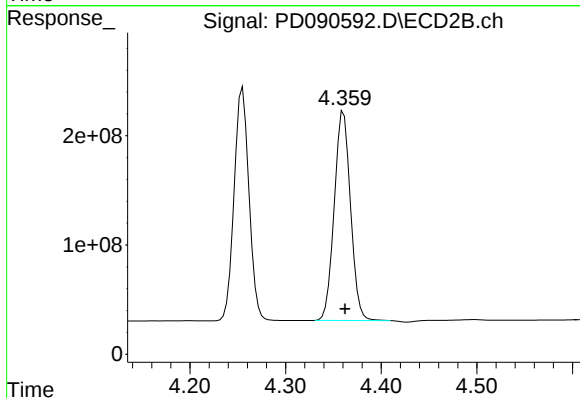
PSTDCCC050

Manual Integrations

APPROVED

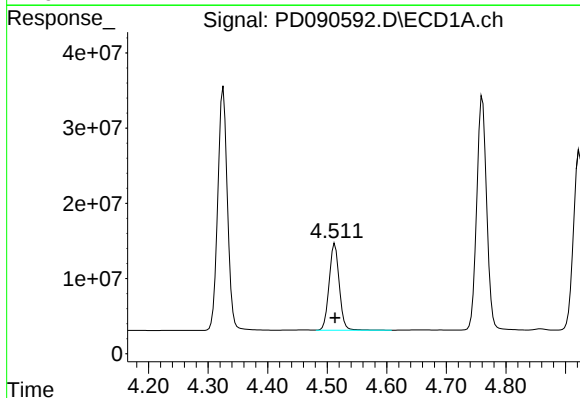
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



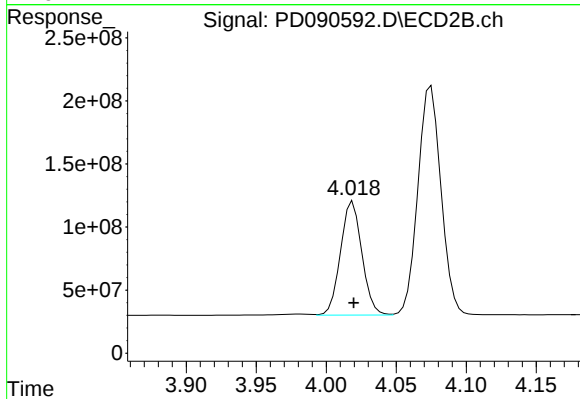
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2262755835
Conc: 56.66 ng/ml



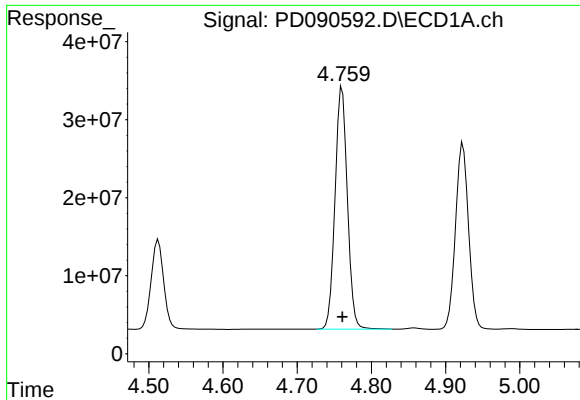
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 136256896
Conc: 52.81 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 959631550
Conc: 55.36 ng/ml



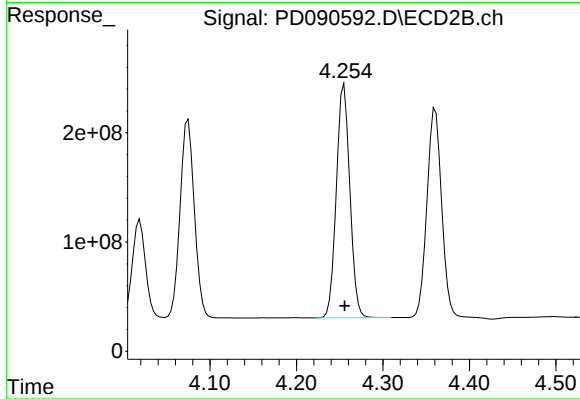
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 359474350
Conc: 55.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

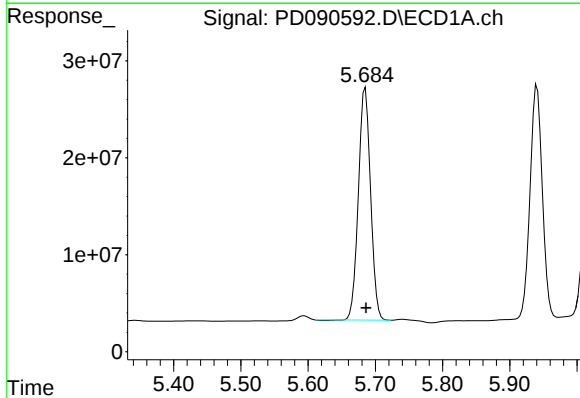
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



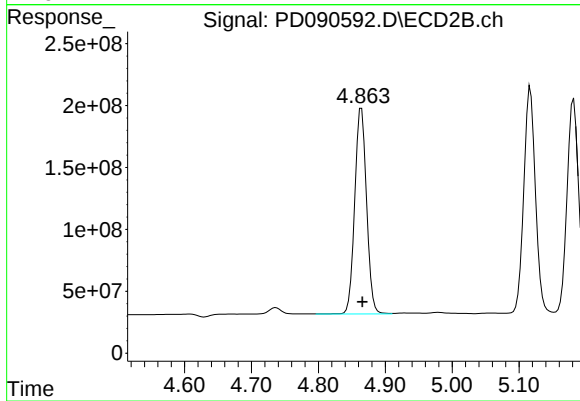
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2305443557
Conc: 55.83 ng/ml



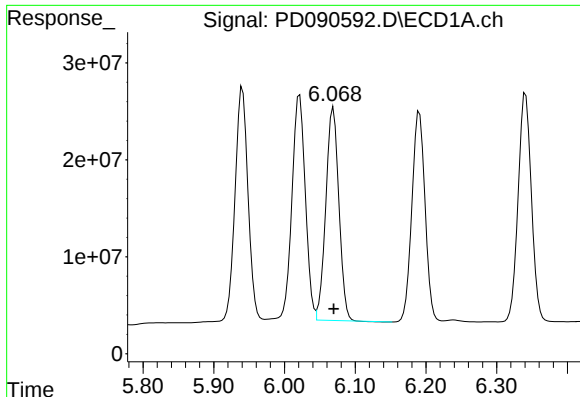
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.001 min
Response: 301296215
Conc: 52.72 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.001 min
Response: 2040054461
Conc: 55.34 ng/ml



#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 282178536
Conc: 52.24 ng/ml

Instrument :

ECD_D

ClientSampleId :

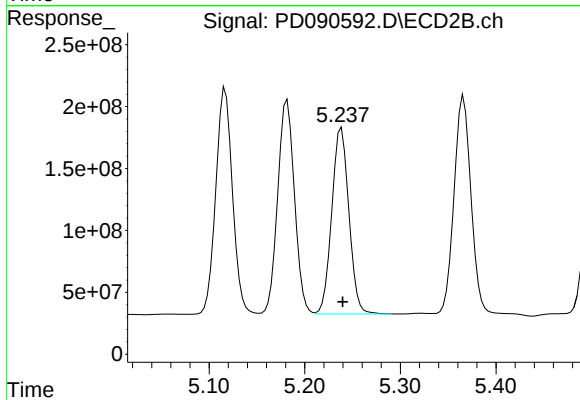
PSTDCCC050

Manual Integrations

APPROVED

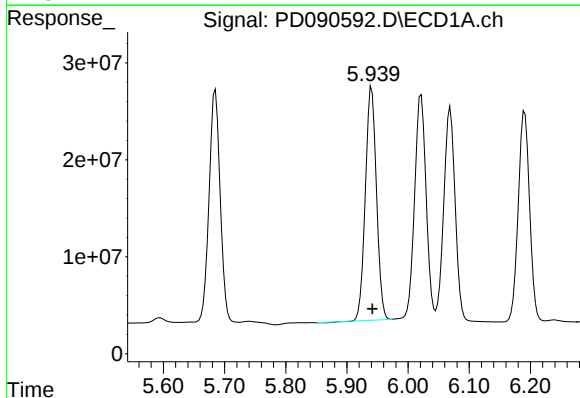
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



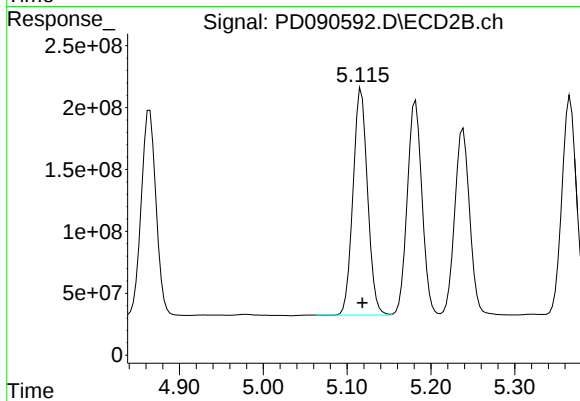
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1868408736
Conc: 53.99 ng/ml



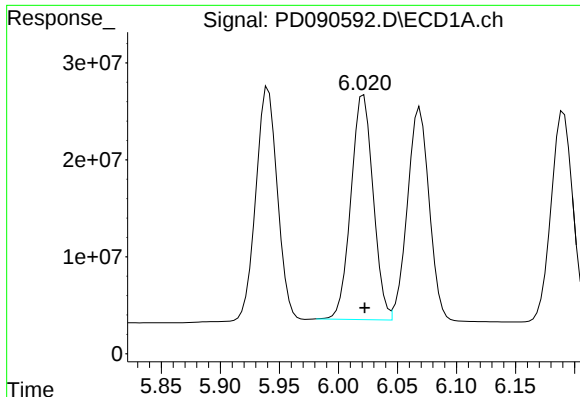
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 303062370
Conc: 53.06 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 2214231025
Conc: 56.36 ng/ml



#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 303791024
Conc: 52.73 ng/ml

Instrument :

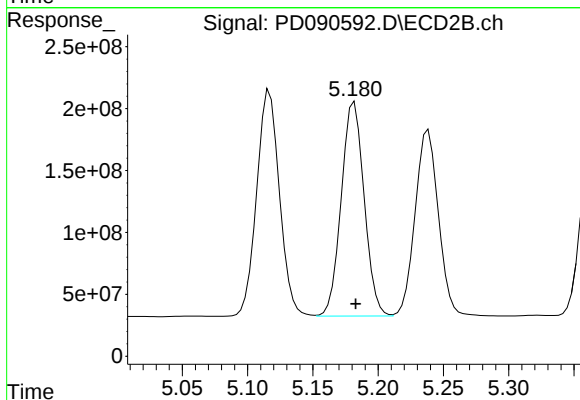
ECD_D

ClientSampleId :

PSTDCCC050

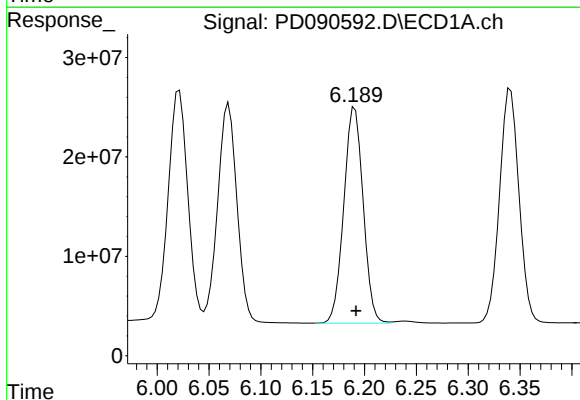
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



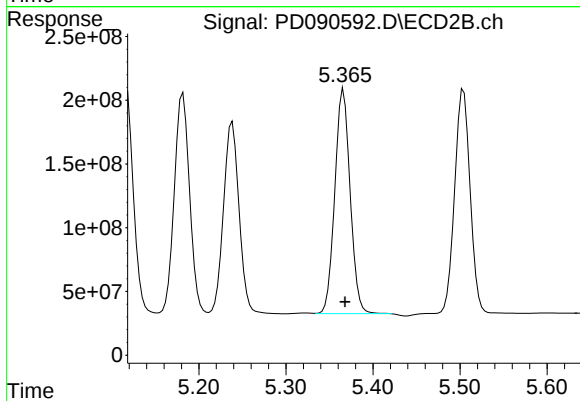
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2109842759
Conc: 56.02 ng/ml



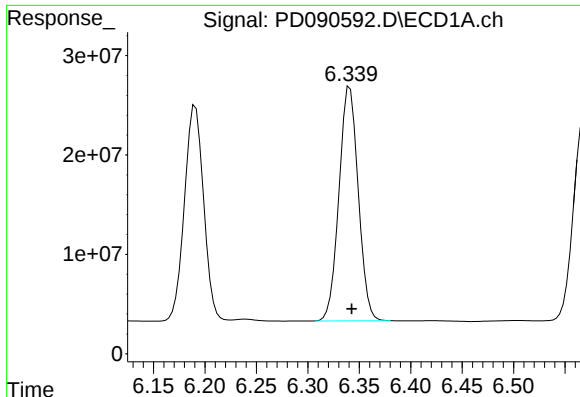
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 281984907
Conc: 54.15 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 2159364924
Conc: 56.41 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 307172681
Conc: 53.29 ng/ml

Instrument :

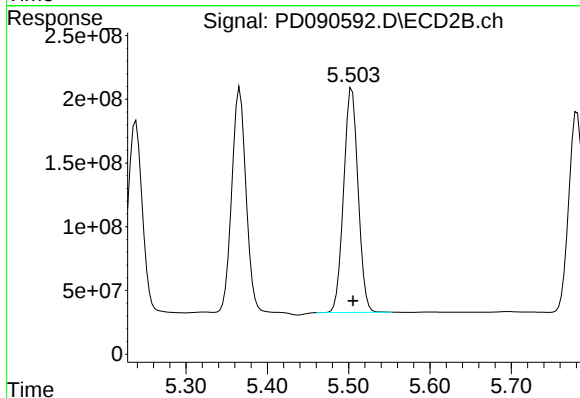
ECD_D

ClientSampleId :

PSTDCCC050

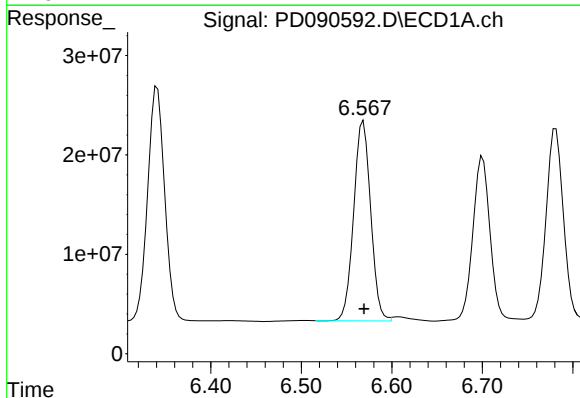
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



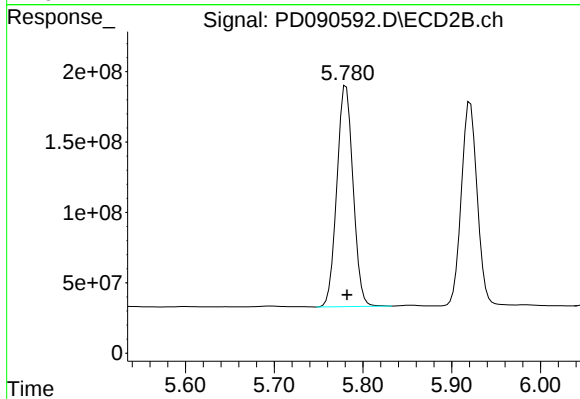
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 2169175579
Conc: 55.70 ng/ml



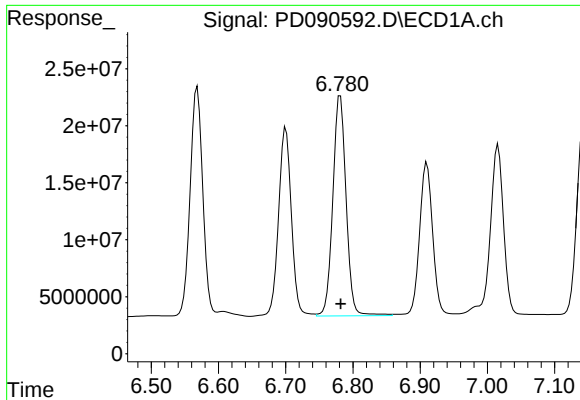
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 262307621
Conc: 53.60 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1991483699
Conc: 55.58 ng/ml



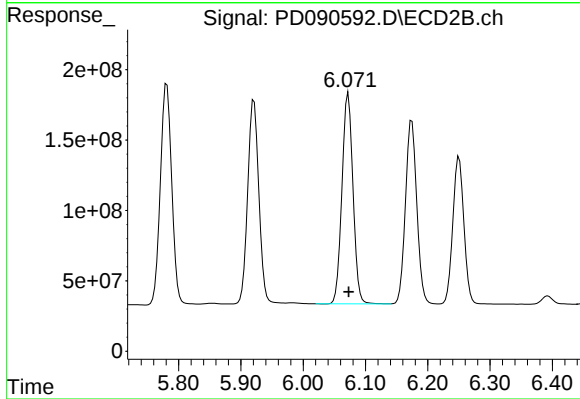
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 262520451
Conc: 53.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

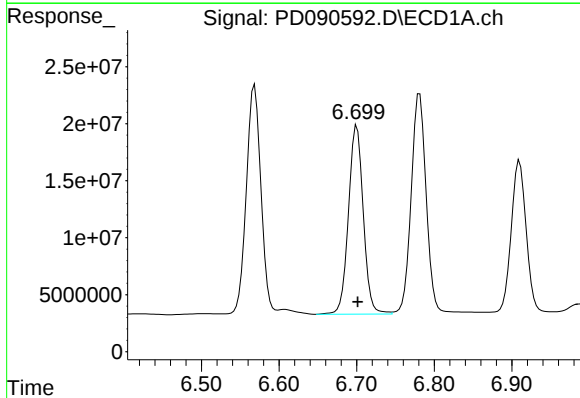
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



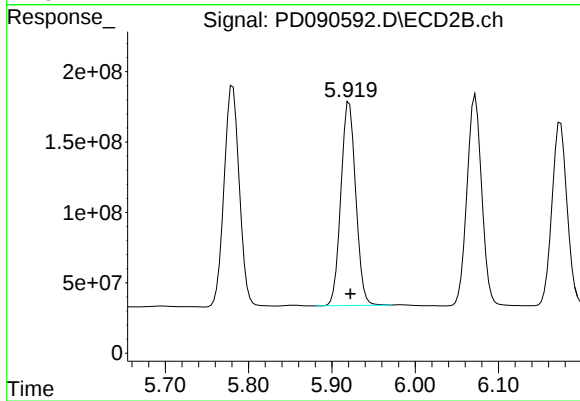
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1843184767
Conc: 54.61 ng/ml



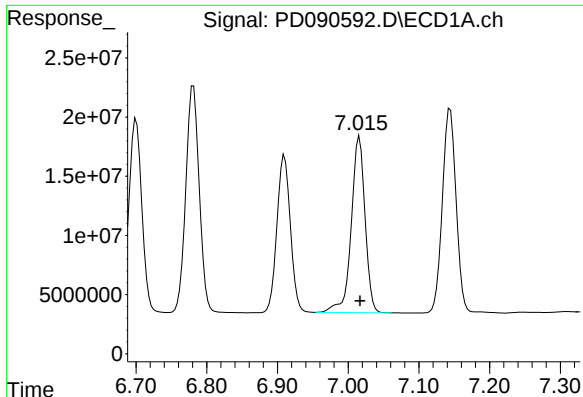
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 219856041
Conc: 53.65 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1789880667
Conc: 55.20 ng/ml



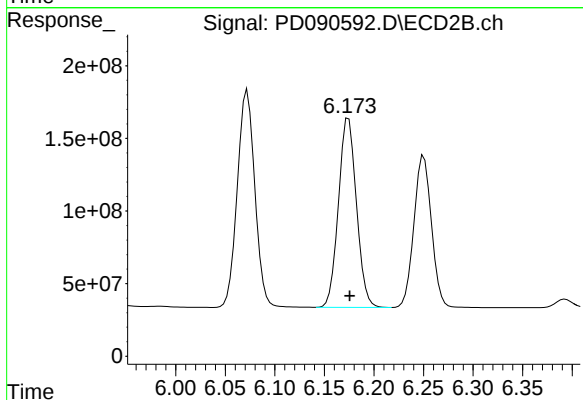
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 202307857
Conc: 45.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

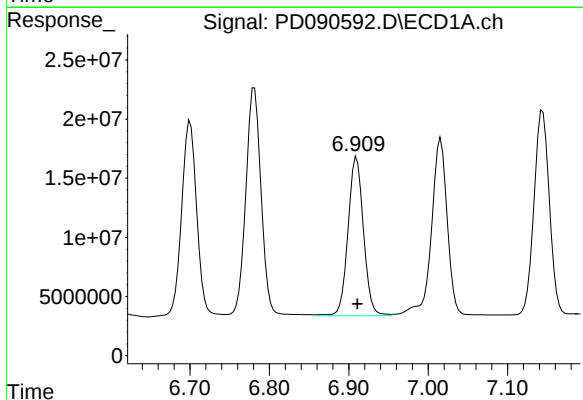
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



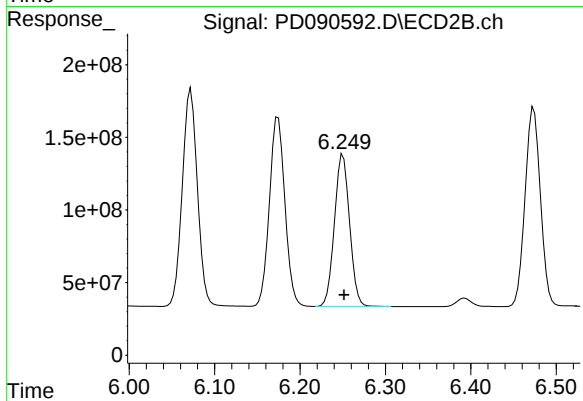
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1648877083
Conc: 47.96 ng/ml



#18 Endrin aldehyde

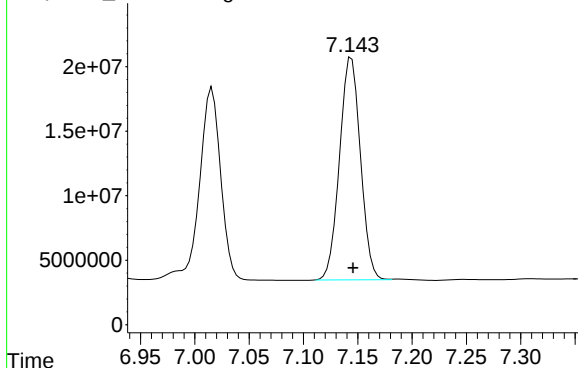
R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 182167477
Conc: 53.10 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.001 min
Response: 1290586341
Conc: 54.81 ng/ml

Response_ Signal: PD090592.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 231219756
Conc: 50.26 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

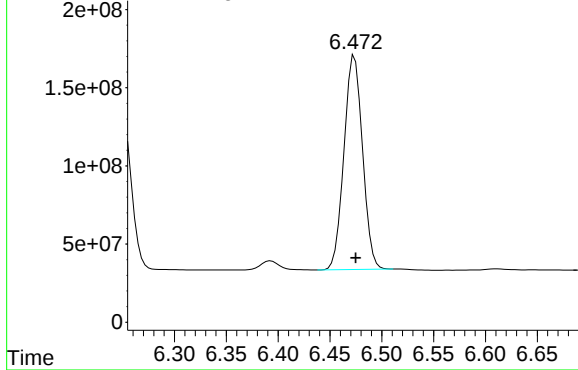
Manual Integrations

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Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

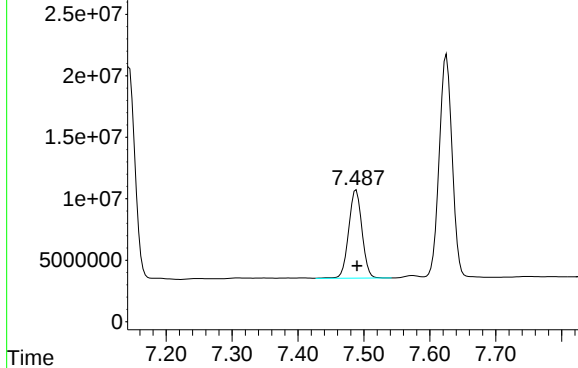
Response_ Signal: PD090592.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1705992247
Conc: 52.19 ng/ml

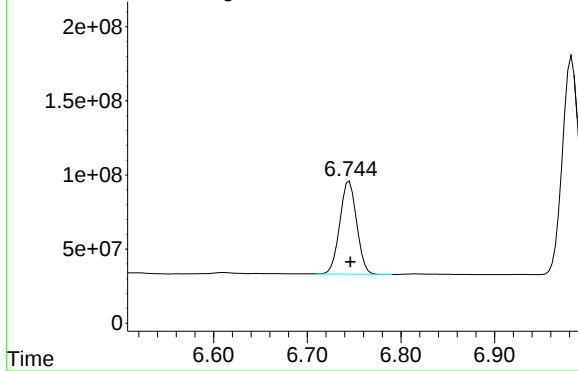
Response_ Signal: PD090592.D\ECD1A.ch



#20 Methoxychlor

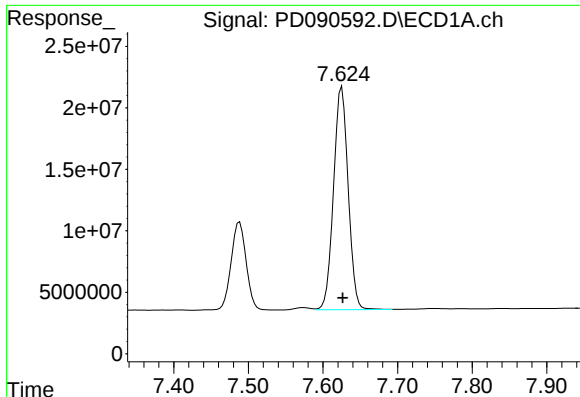
R.T.: 7.488 min
Delta R.T.: -0.001 min
Response: 100669080
Conc: 42.72 ng/ml

Response_ Signal: PD090592.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 787972802
Conc: 45.28 ng/ml



#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 247386065
Conc: 50.00 ng/ml

Instrument :

ECD_D

ClientSampleId :

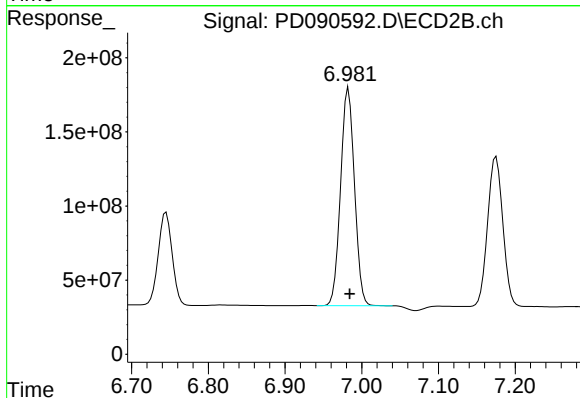
PSTDCCC050

Manual Integrations

APPROVED

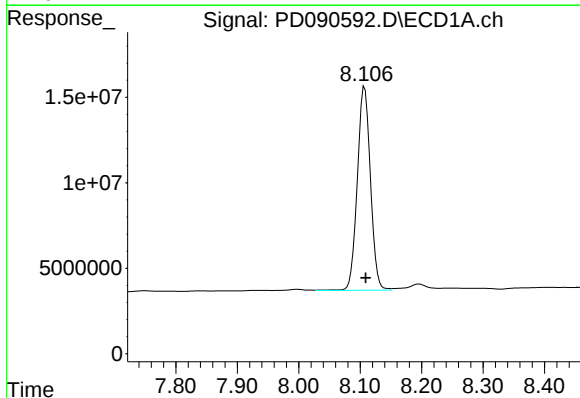
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



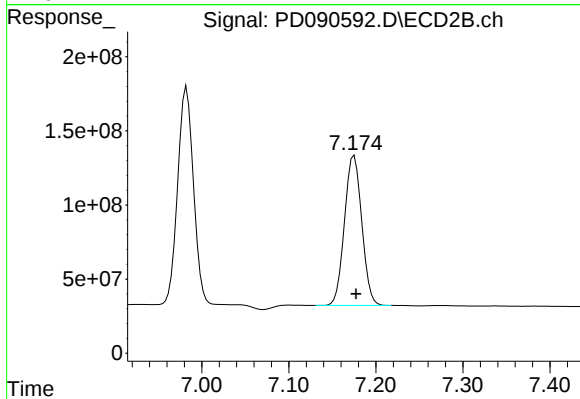
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1850297572
Conc: 51.25 ng/ml



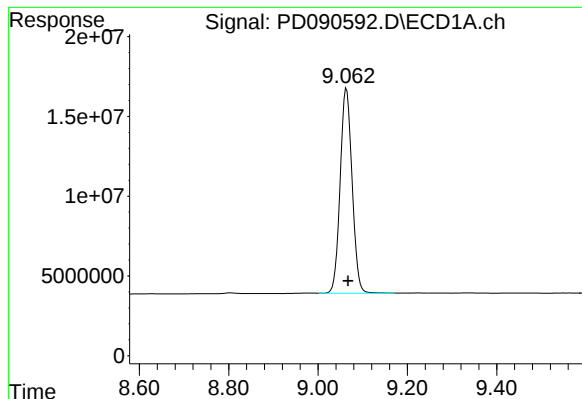
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 177132551
Conc: 47.81 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1393938718
Conc: 50.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.004 min
Response: 237566077
Conc: 49.24 ng/ml

Instrument :

ECD_D

ClientSampleId :

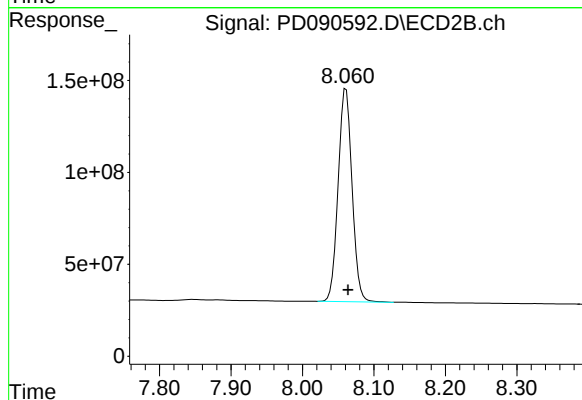
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 1565440519
Conc: 48.29 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
Continuing Calib Date: 10/15/2025 **Initial Calibration Date(s):** 09/18/2025 09/18/2025
Continuing Calib Time: 09:46 **Initial Calibration Time(s):** 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.93	4.83	5.03	0.01
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
Continuing Calib Date: 10/15/2025 **Initial Calibration Date(s):** 09/18/2025 09/18/2025
Continuing Calib Time: 09:46 **Initial Calibration Time(s):** 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Heptachlor epoxide	4.86	4.87	4.77	4.97	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090596.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.065	8.968	9.168	51.590	50.000	3.2
Endrin	6.568	6.469	6.669	55.850	50.000	11.7
gamma-BHC (Lindane)	4.325	4.226	4.426	57.040	50.000	14.1
Heptachlor	4.923	4.825	5.025	47.310	50.000	-5.4
Heptachlor epoxide	5.684	5.586	5.786	55.520	50.000	11.0
Methoxychlor	7.488	7.390	7.590	44.870	50.000	-10.3
Tetrachloro-m-xylene	3.545	3.446	3.646	53.290	50.000	6.6



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090596.D **Time Analyzed:** 09:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.061	7.964	8.164	51.230	50.000	2.5
Endrin	5.780	5.682	5.882	57.980	50.000	16.0
gamma-BHC (Lindane)	3.722	3.624	3.824	58.870	50.000	17.7
Heptachlor	4.074	3.976	4.176	54.440	50.000	8.9
Heptachlor epoxide	4.864	4.766	4.966	58.260	50.000	16.5
Methoxychlor	6.744	6.646	6.846	48.340	50.000	-3.3
Tetrachloro-m-xylene	2.875	2.776	2.976	57.100	50.000	14.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:09:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	173.2E6	1567.4E6	53.290	57.099
28) SA Decachlor...	9.065	8.061	248.9E6	1660.6E6	51.588	51.231
Target Compounds						
2) A alpha-BHC	3.994	3.386	401.7E6	2603.0E6	57.518	59.453
3) MA gamma-BHC...	4.325	3.722	377.5E6	2398.2E6	57.045	58.873
4) MA Heptachlor	4.923	4.074	312.9E6	2216.5E6	47.313	54.436
5) MB Aldrin	5.264	4.360	359.3E6	2376.0E6	56.581	59.496
6) B beta-BHC	4.512	4.018	141.9E6	1010.7E6	54.986	58.305
7) B delta-BHC	4.759	4.254	371.1E6	2419.3E6	57.469m	58.586
8) B Heptachlo...	5.684	4.864	317.3E6	2147.9E6	55.524	58.263
9) A Endosulfan I	6.068	5.238	295.9E6	1955.3E6	54.790	56.502
10) B gamma-Chl...	5.940	5.116	320.2E6	2324.7E6	56.058	59.174
11) B alpha-Chl...	6.021	5.181	322.6E6	2219.5E6	56.004	58.928
12) B 4,4'-DDE	6.190	5.366	293.4E6	2268.7E6	56.343	59.267
13) MA Dieldrin	6.341	5.503	320.5E6	2273.2E6	55.601	58.368
14) MA Endrin	6.568	5.780	273.3E6	2077.6E6	55.846	57.982
15) B Endosulfa...	6.781	6.071	273.6E6	1951.5E6	56.084	57.822
16) A 4,4'-DDD	6.700	5.920	229.2E6	1876.8E6	55.941	57.877
17) MA 4,4'-DDT	7.016	6.173	217.8E6	1785.4E6	48.915	51.934
18) B Endrin al...	6.910	6.249	192.1E6	1379.5E6	55.992	58.585
19) B Endosulfa...	7.145	6.473	241.5E6	1809.1E6	52.492	55.340
20) A Methoxychlor	7.488	6.744	105.7E6	841.1E6	44.868	48.341
21) B Endrin ke...	7.626	6.982	259.6E6	1953.6E6	52.476	54.111
22) Mirex	8.107	7.175	187.1E6	1475.7E6	50.505	53.456

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

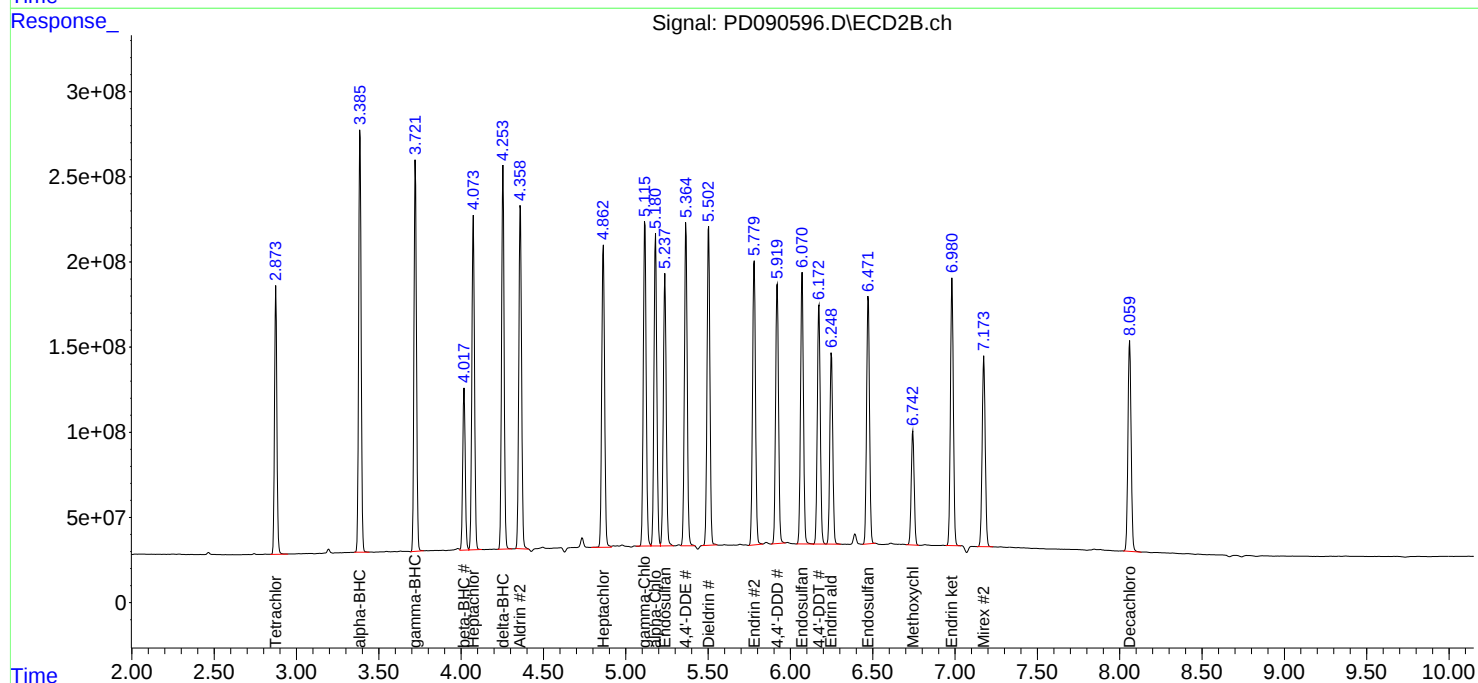
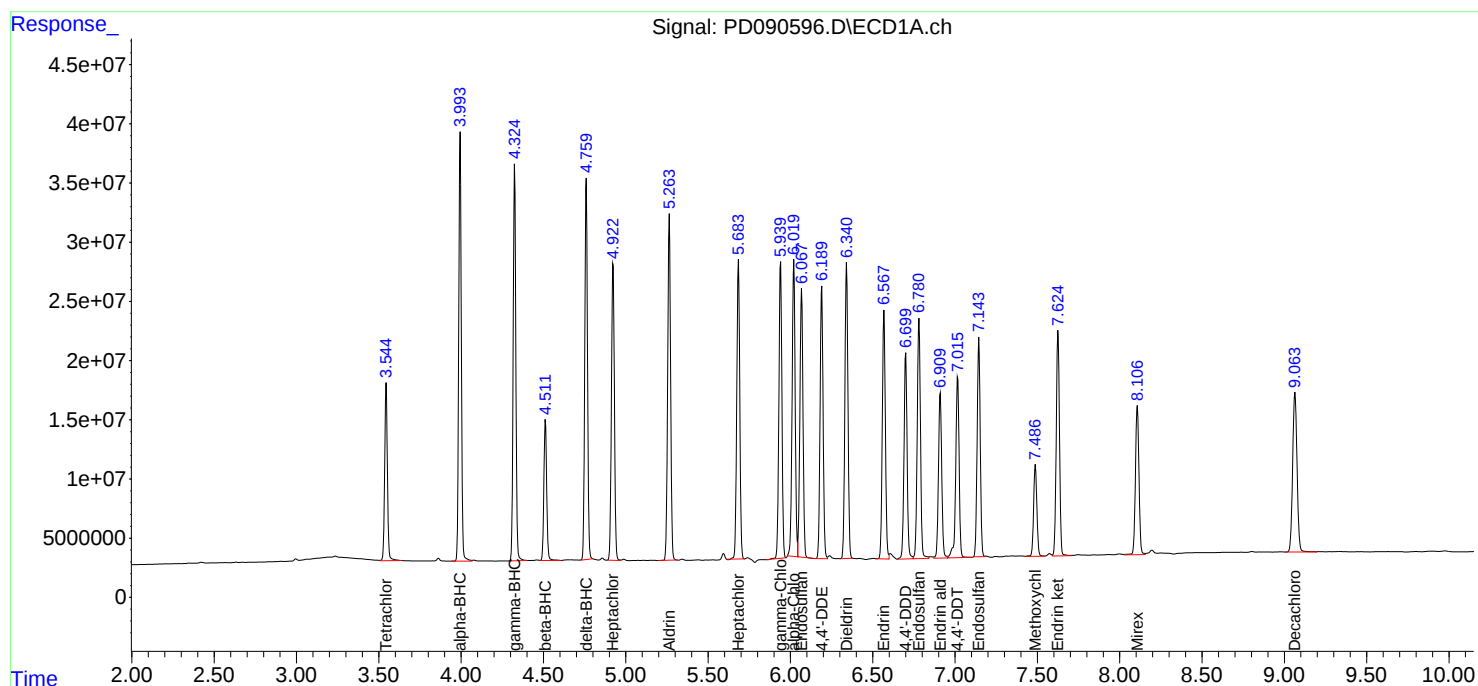
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Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090596.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 173216910
Conc: 53.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

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Supervised By :mohammad ahmed 10/17/2025

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PD090596.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 1567361425
Conc: 57.10 ng/ml

Time 2.60 2.70 2.80 2.90 3.00 3.10

Response_ Signal: PD090596.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 401737229
Conc: 57.52 ng/ml

Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

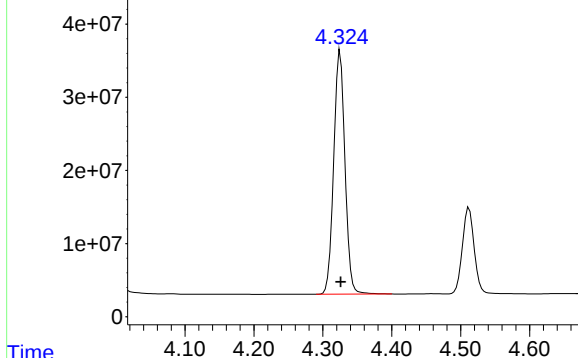
Response_ Signal: PD090596.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2603038534
Conc: 59.45 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090596.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 377457001
Conc: 57.04 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

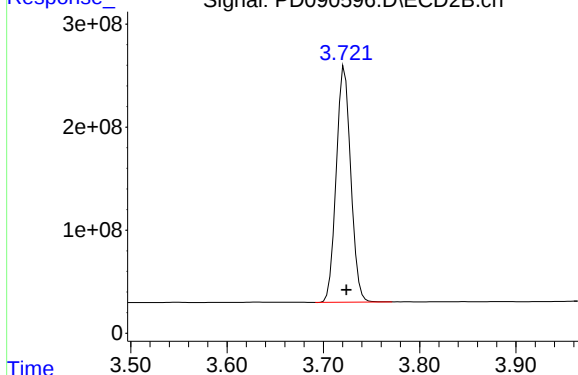
Manual Integrations

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Supervised By :mohammad ahmed 10/17/2025

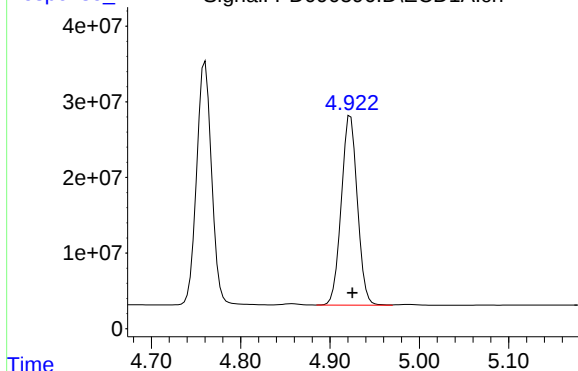
Time Response_ Signal: PD090596.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 2398232893
Conc: 58.87 ng/ml

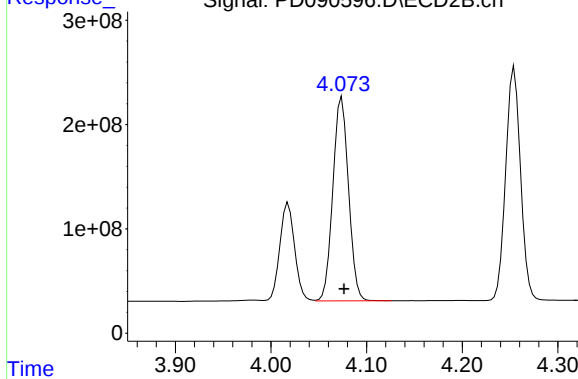
Time Response_ Signal: PD090596.D\ECD1A.ch



#4 Heptachlor

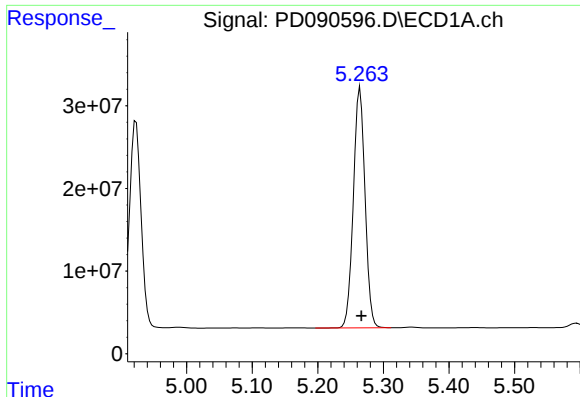
R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 312860235
Conc: 47.31 ng/ml

Time Response_ Signal: PD090596.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 2216452955
Conc: 54.44 ng/ml



#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 359285299
Conc: 56.58 ng/ml

Instrument :

ECD_D

ClientSampleId :

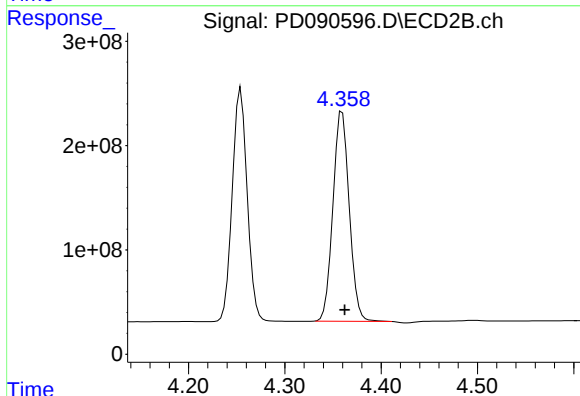
PSTDCCC050

Manual Integrations

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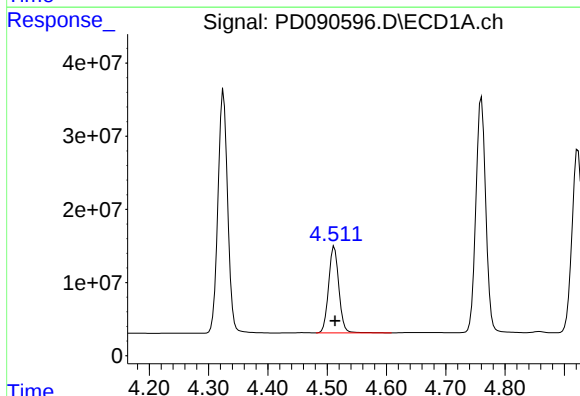
Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025



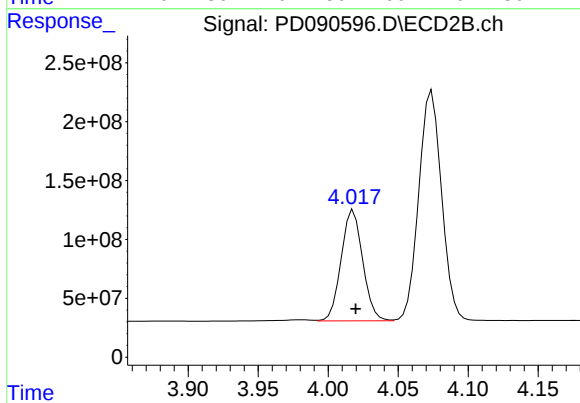
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 2375955319
Conc: 59.50 ng/ml



#6 beta-BHC

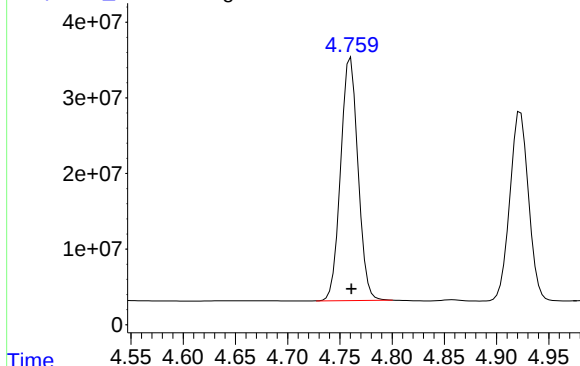
R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 141860731
Conc: 54.99 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 1010733696
Conc: 58.30 ng/ml

Response_ Signal: PD090596.D\ECD1A.ch



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 371103458
Conc: 57.47 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

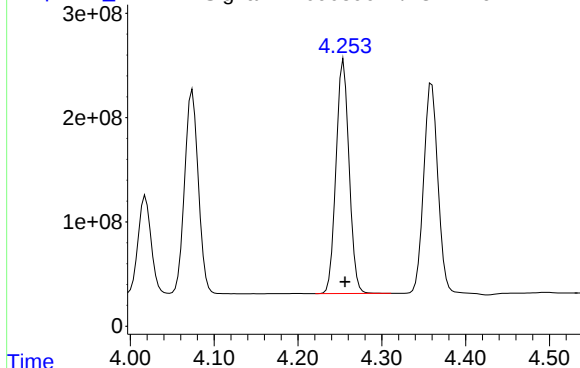
Manual Integrations

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Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

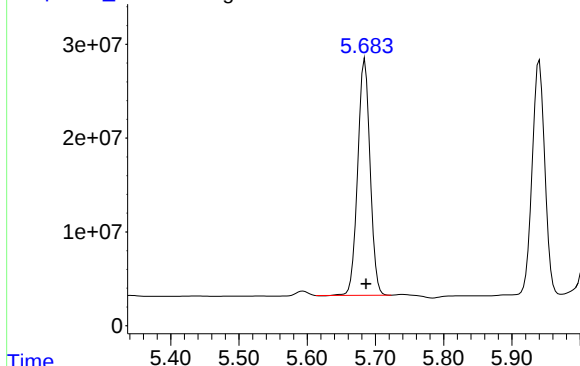
Response_ Signal: PD090596.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 2419306446
Conc: 58.59 ng/ml

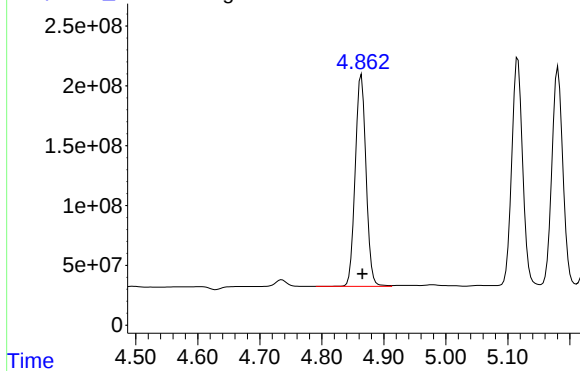
Response_ Signal: PD090596.D\ECD1A.ch



#8 Heptachlor epoxide

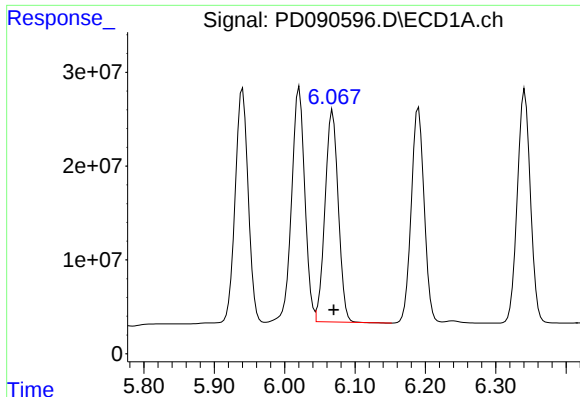
R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 317316049
Conc: 55.52 ng/ml

Response_ Signal: PD090596.D\ECD2B.ch



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2147876329
Conc: 58.26 ng/ml



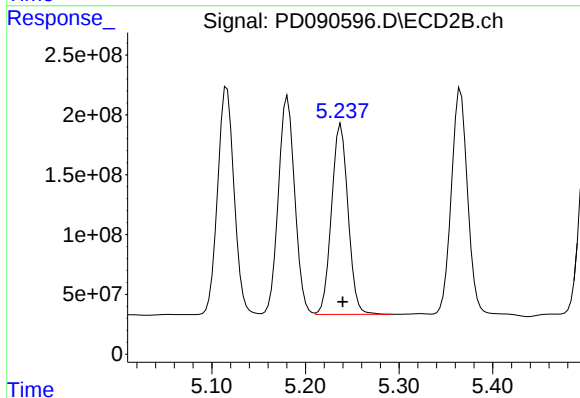
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 295945201
Conc: 54.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

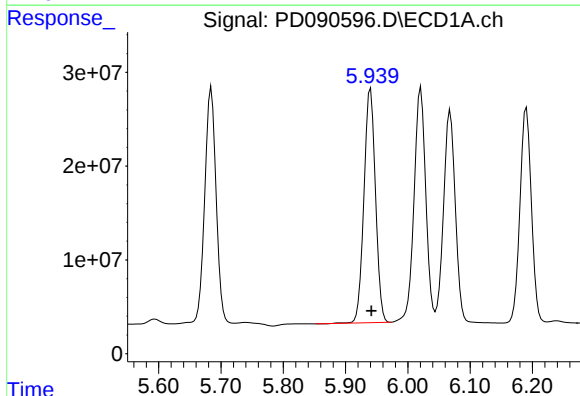
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



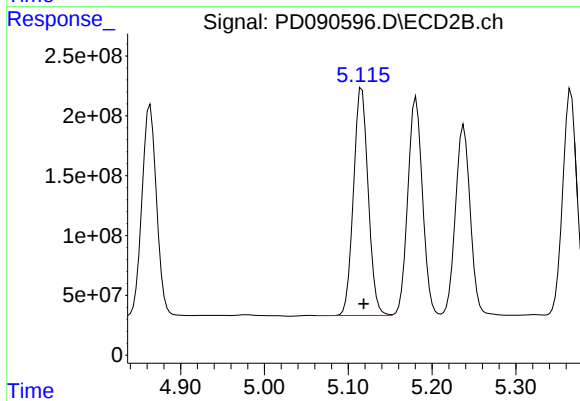
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1955265790
Conc: 56.50 ng/ml



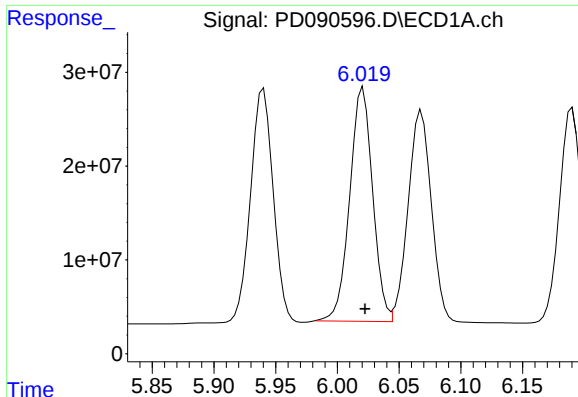
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 320198314
Conc: 56.06 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 2324746076
Conc: 59.17 ng/ml



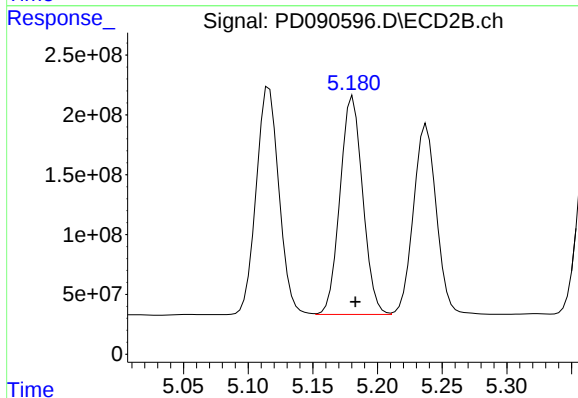
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: -0.001 min
Response: 322630146
Conc: 56.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

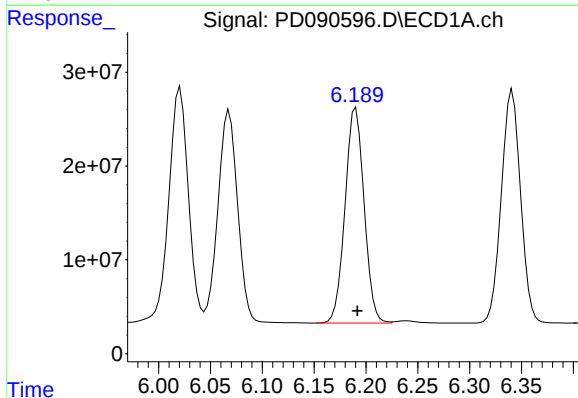
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



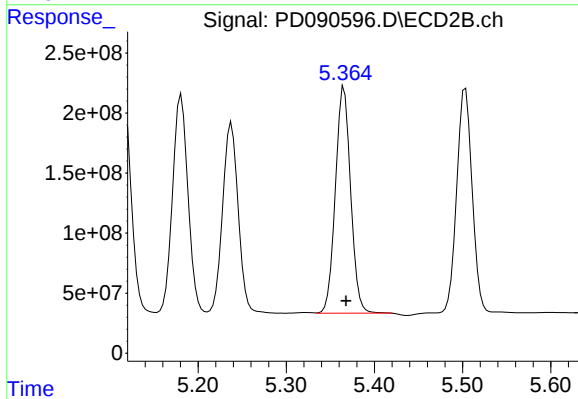
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 2219529308
Conc: 58.93 ng/ml



#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 293408516
Conc: 56.34 ng/ml

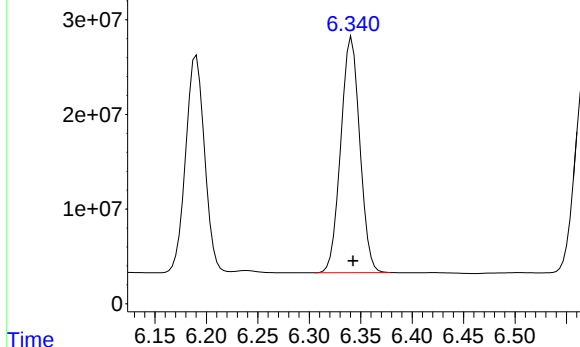


#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 2268679310
Conc: 59.27 ng/ml

Response_ Signal: PD090596.D\ECD1A.ch

#13 Dieldrin



R.T.: 6.341 min
Delta R.T.: -0.001 min
Response: 320520846
Conc: 55.60 ng/ml

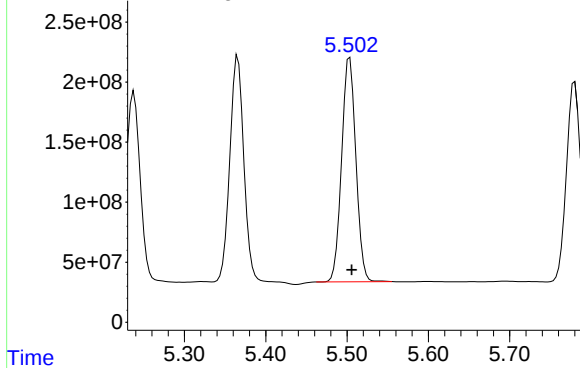
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

Time Response_ Signal: PD090596.D\ECD2B.ch

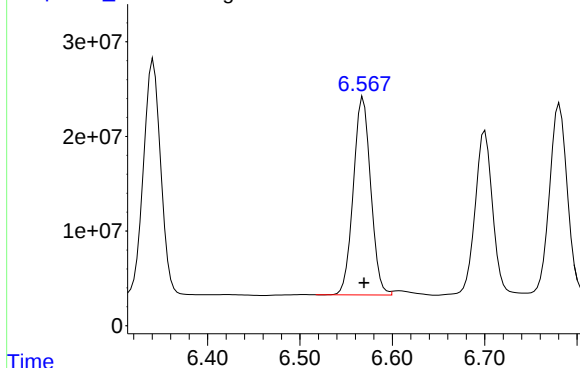
#13 Dieldrin



R.T.: 5.503 min
Delta R.T.: -0.002 min
Response: 2273188769
Conc: 58.37 ng/ml

Time Response_ Signal: PD090596.D\ECD1A.ch

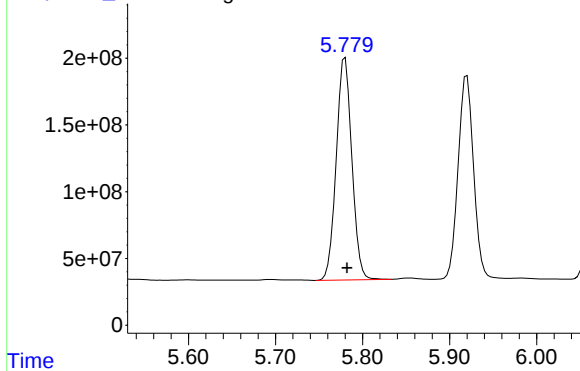
#14 Endrin



R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 273305712
Conc: 55.85 ng/ml

Time Response_ Signal: PD090596.D\ECD2B.ch

#14 Endrin



R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 2077613773
Conc: 57.98 ng/ml

Response_ Signal: PD090596.D\ECD1A.ch

#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 273566865
Conc: 56.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

Time

Response_ Signal: PD090596.D\ECD2B.ch

#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1951525722
Conc: 57.82 ng/ml

Time

Response_ Signal: PD090596.D\ECD1A.ch

#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 229236795
Conc: 55.94 ng/ml

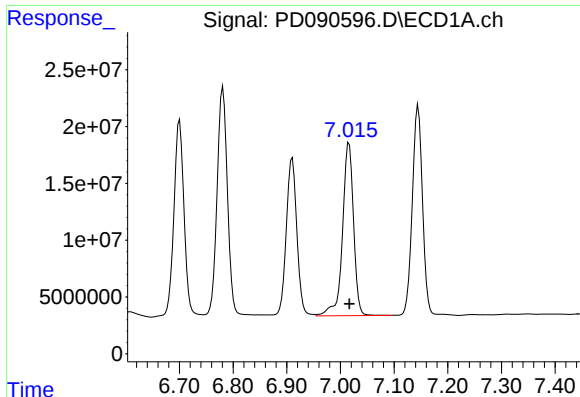
Time

Response_ Signal: PD090596.D\ECD2B.ch

#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1876822105
Conc: 57.88 ng/ml

Time



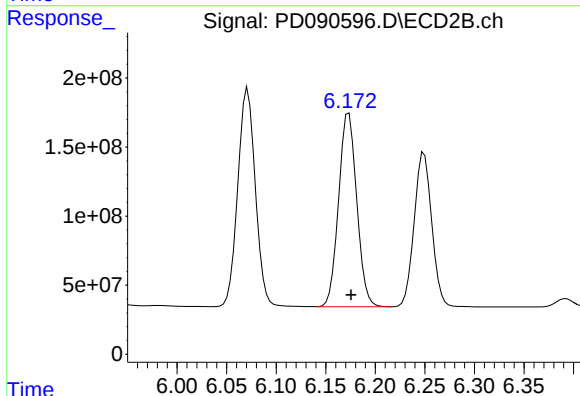
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 217793554
Conc: 48.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

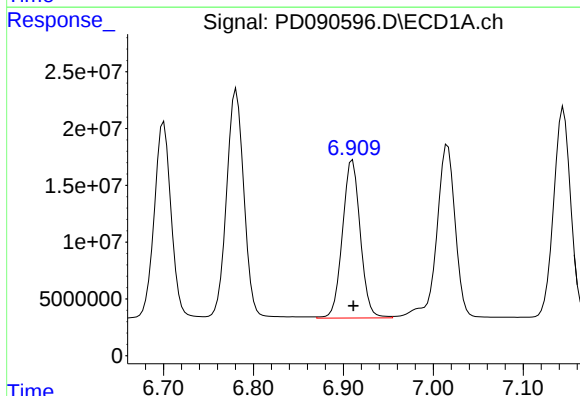
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



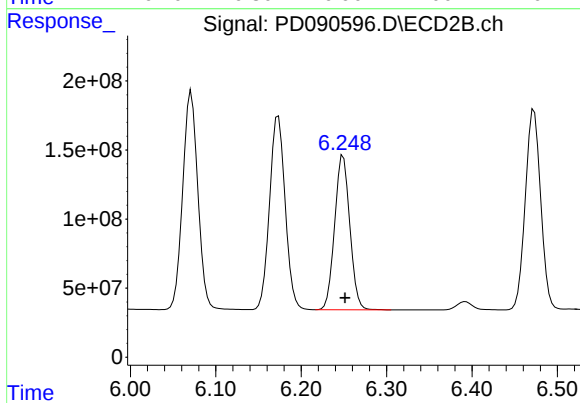
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 1785445554
Conc: 51.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 192085779
Conc: 55.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1379497727
Conc: 58.59 ng/ml

Response_ Signal: PD090596.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 241481827
Conc: 52.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

Time

Response_ Signal: PD090596.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1809077375
Conc: 55.34 ng/ml

Time

Response_ Signal: PD090596.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 105732418
Conc: 44.87 ng/ml

Time

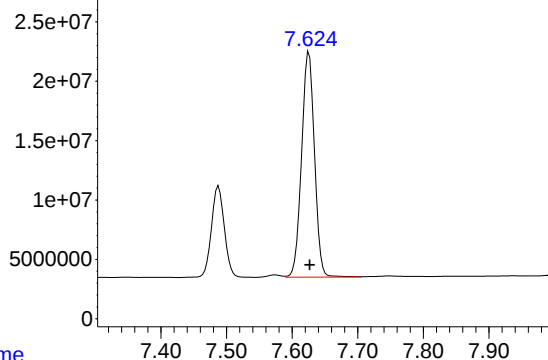
Response_ Signal: PD090596.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 841145687
Conc: 48.34 ng/ml

Time

Response_ Signal: PD090596.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 259619730
Conc: 52.48 ng/ml

Instrument :

ECD_D

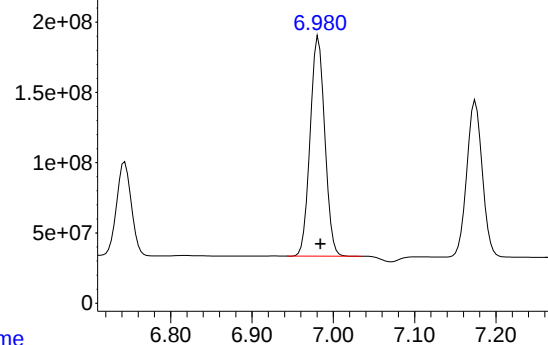
ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

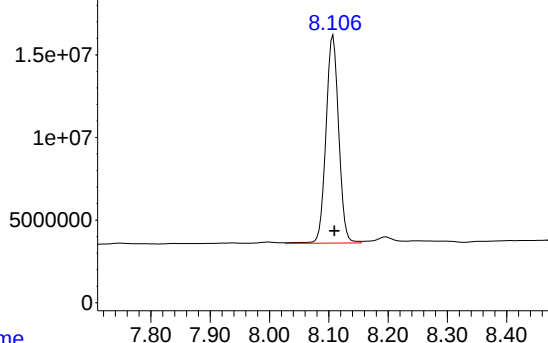
Time Response_ Signal: PD090596.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.003 min
Response: 1953573341
Conc: 54.11 ng/ml

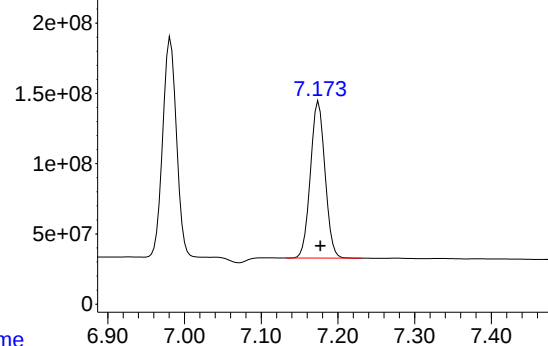
Time Response_ Signal: PD090596.D\ECD1A.ch



#22 Mirex

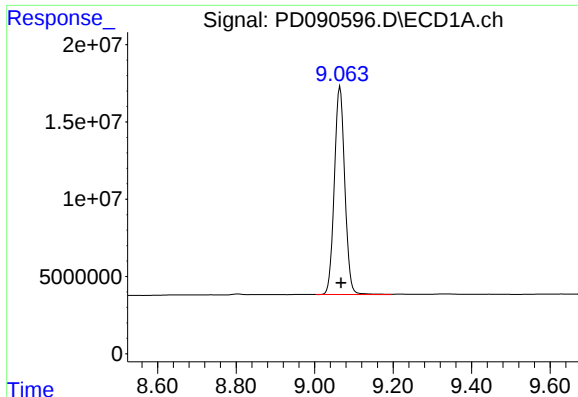
R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 187113550
Conc: 50.51 ng/ml

Time Response_ Signal: PD090596.D\ECD2B.ch



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.003 min
Response: 1475706221
Conc: 53.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 248912744
Conc: 51.59 ng/ml

Instrument :

ECD_D

ClientSampleId :

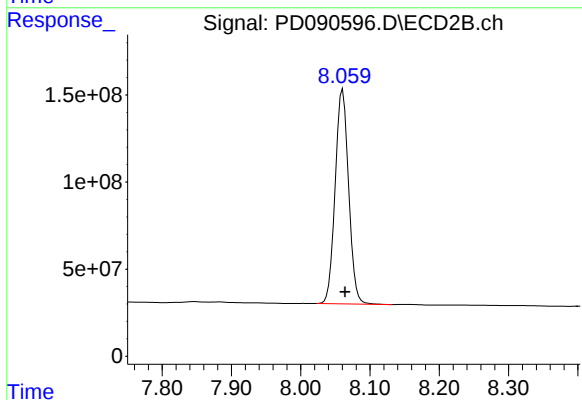
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 1660647602
Conc: 51.23 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 16:33

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.93	4.83	5.03	0.01
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endrin	6.57	6.57	6.47	6.67	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Continuing Calib Date: 10/15/2025

Initial Calibration Date(s): 09/18/2025 09/18/2025

Continuing Calib Time: 16:33

Initial Calibration Time(s): 10:30 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.01
Heptachlor epoxide	4.86	4.87	4.77	4.97	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090608.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.968	9.168	53.480	50.000	7.0
Endrin	6.569	6.469	6.669	55.370	50.000	10.7
gamma-BHC (Lindane)	4.326	4.226	4.426	57.240	50.000	14.5
Heptachlor	4.924	4.825	5.025	48.750	50.000	-2.5
Heptachlor epoxide	5.685	5.586	5.786	55.190	50.000	10.4
Methoxychlor	7.490	7.390	7.590	45.920	50.000	-8.2
Tetrachloro-m-xylene	3.546	3.446	3.646	41.970	50.000	-16.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q3321
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/18/2025 09/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 10/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090608.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.062	7.964	8.164	46.740	50.000	-6.5
Endrin	5.781	5.682	5.882	55.950	50.000	11.9
gamma-BHC (Lindane)	3.723	3.624	3.824	57.810	50.000	15.6
Heptachlor	4.075	3.976	4.176	53.980	50.000	8.0
Heptachlor epoxide	4.864	4.766	4.966	56.770	50.000	13.5
Methoxychlor	6.745	6.646	6.846	46.180	50.000	-7.6
Tetrachloro-m-xylene	2.875	2.776	2.976	44.360	50.000	-11.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 16:33
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:14:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.875	136.4E6	1217.6E6	41.967	44.358
28)	SA Decachlor...	9.067	8.062	258.1E6	1515.1E6	53.484	46.741
Target Compounds							
2)	A alpha-BHC	3.995	3.387	401.1E6	2553.5E6	57.428	58.321
3)	MA gamma-BHC...	4.326	3.723	378.8E6	2355.1E6	57.244	57.815
4)	MA Heptachlor	4.924	4.075	322.4E6	2197.8E6	48.752	53.977
5)	MB Aldrin	5.265	4.361	360.3E6	2309.9E6	56.740	57.843
6)	B beta-BHC	4.513	4.019	141.2E6	982.4E6	54.739	56.673
7)	B delta-BHC	4.760	4.255	376.1E6	2376.9E6	58.243m	57.560
8)	B Heptachlo...	5.685	4.864	315.4E6	2092.7E6	55.188	56.765
9)	A Endosulfan I	6.069	5.238	293.6E6	1865.2E6	54.348	53.900
10)	B gamma-Chl...	5.941	5.117	314.8E6	2232.7E6	55.109	56.830
11)	B alpha-Chl...	6.022	5.181	321.7E6	2134.0E6	55.844	56.657
12)	B 4,4'-DDE	6.191	5.366	291.8E6	2173.7E6	56.032	56.786
13)	MA Dieldrin	6.342	5.504	316.6E6	2178.4E6	54.915	55.935
14)	MA Endrin	6.569	5.781	271.0E6	2004.9E6	55.366	55.954
15)	B Endosulfa...	6.782	6.071	270.5E6	1810.3E6	55.454	53.638
16)	A 4,4'-DDD	6.701	5.921	228.7E6	1763.3E6	55.818	54.376
17)	MA 4,4'-DDT	7.017	6.174	223.2E6	1702.1E6	50.137	49.509
18)	B Endrin al...	6.911	6.250	192.3E6	1299.9E6	56.045	55.203
19)	B Endosulfa...	7.146	6.474	237.3E6	1673.6E6	51.584	51.196
20)	A Methoxychlor	7.490	6.745	108.2E6	803.5E6	45.920	46.176
21)	B Endrin ke...	7.627	6.983	249.4E6	1738.8E6	50.401	48.162
22)	Mirex	8.109	7.176	169.1E6	1262.9E6	45.646	45.747

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 16:33
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

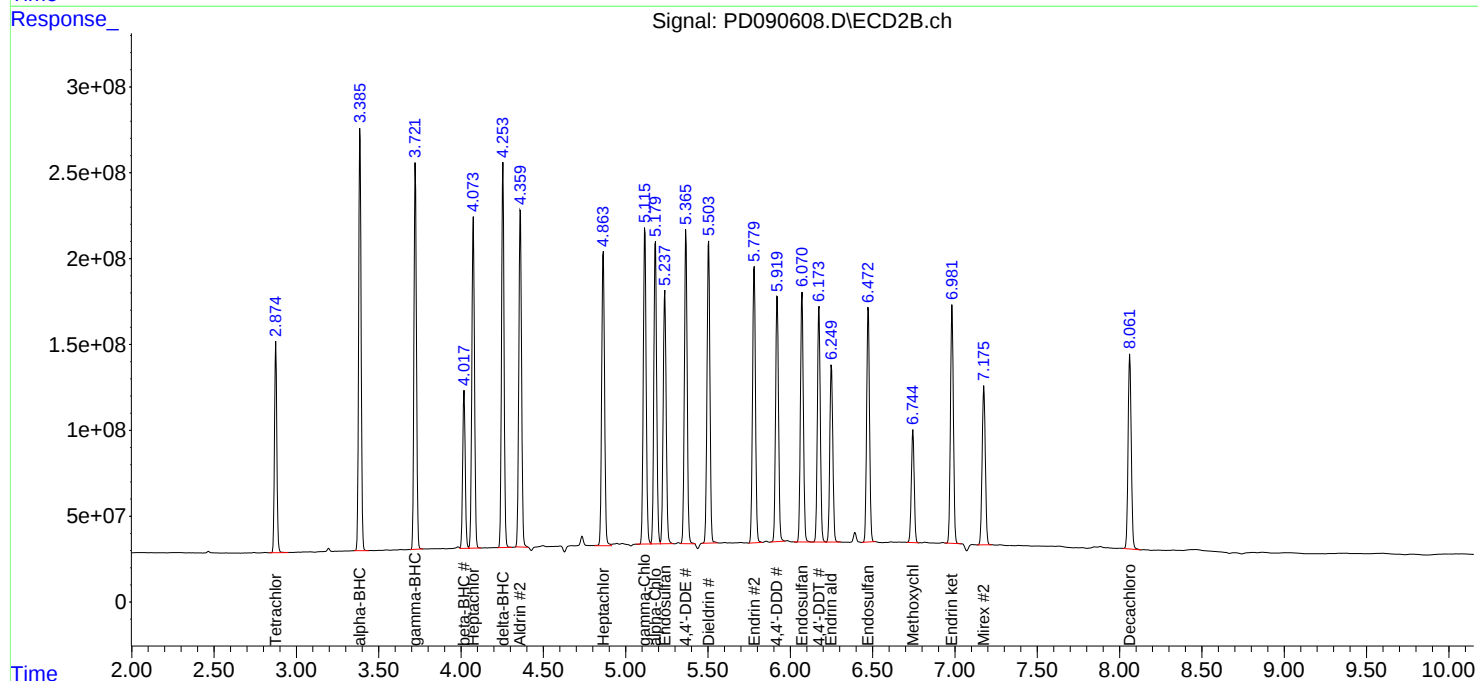
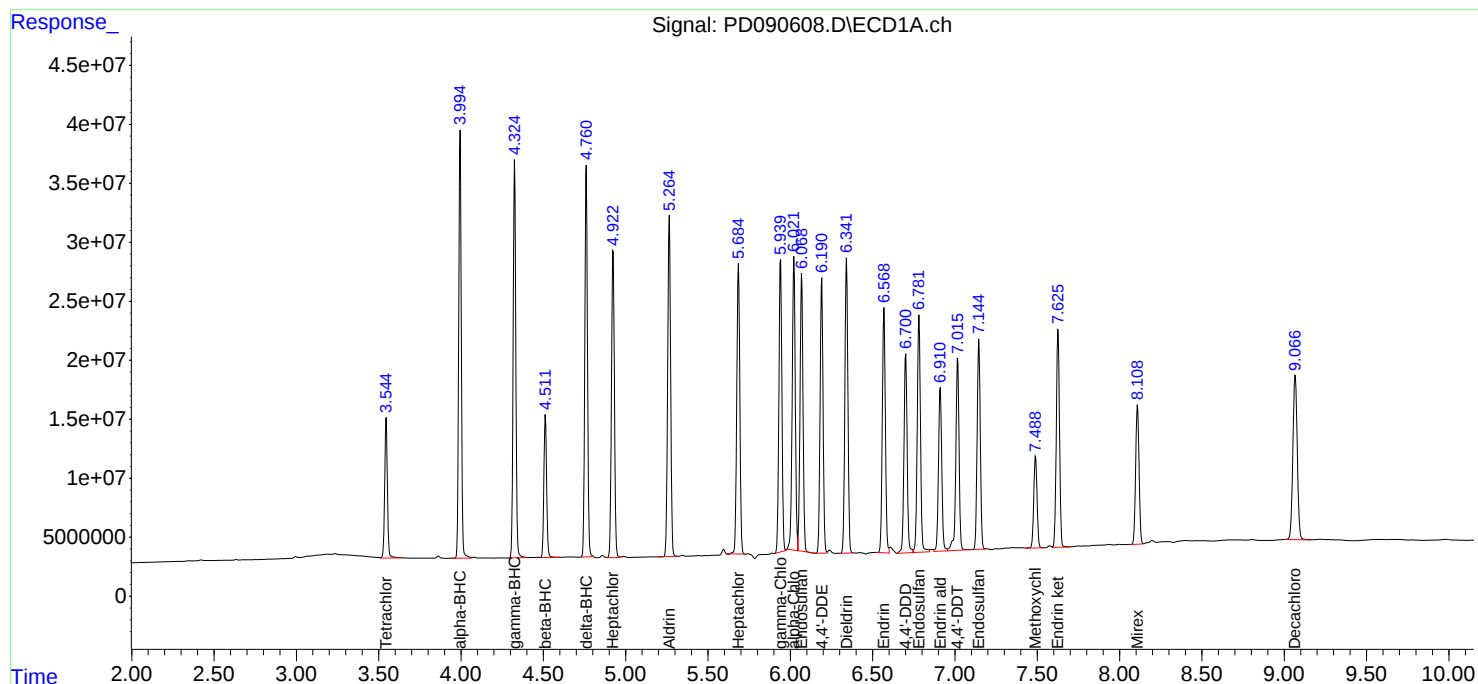
APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:14:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PD090608.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 136412407
Conc: 41.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PD090608.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 1217622202
Conc: 44.36 ng/ml

Time 2.60 2.70 2.80 2.90 3.00 3.10 3.20

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 401105758
Conc: 57.43 ng/ml

Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD1A.ch

#2 alpha-BHC

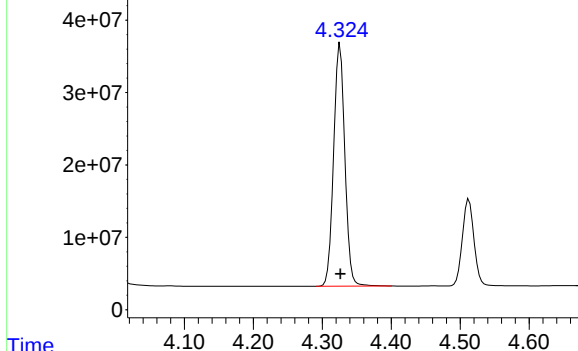
R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2553472493
Conc: 58.32 ng/ml

Time 3.20 3.30 3.40 3.50 3.60

Response_ Signal: PD090608.D\ECD2B.ch

#2 alpha-BHC

Response_ Signal: PD090608.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 378779376
Conc: 57.24 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

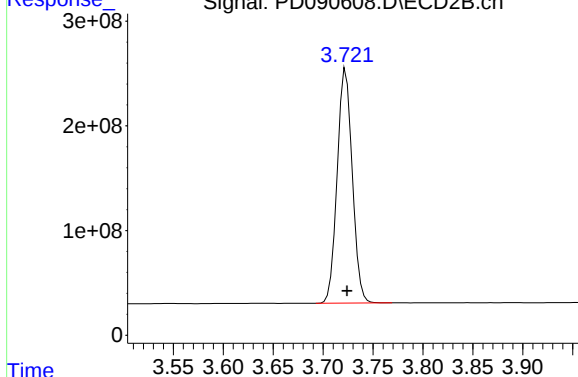
Manual Integrations

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Supervised By :mohammad ahmed 10/17/2025

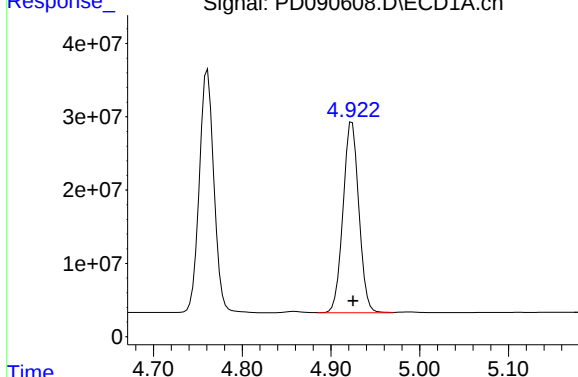
Time Response_ Signal: PD090608.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2355109847
Conc: 57.81 ng/ml

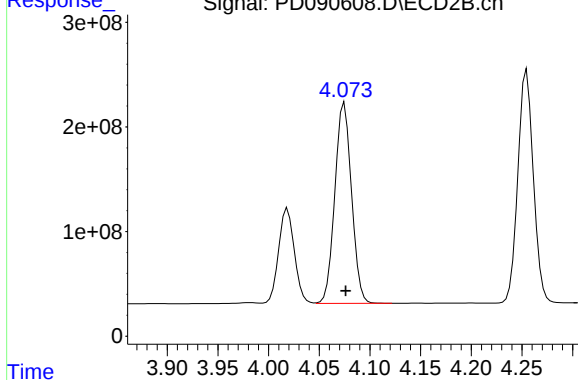
Time Response_ Signal: PD090608.D\ECD1A.ch



#4 Heptachlor

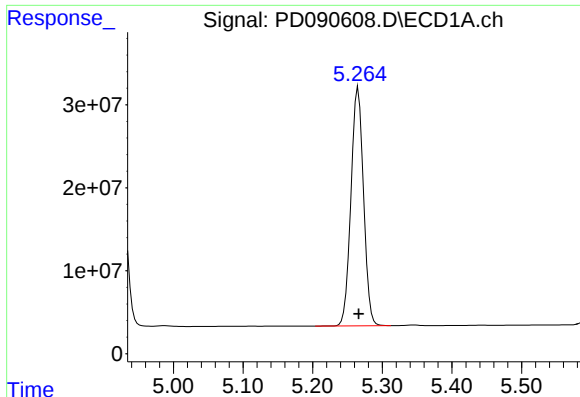
R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 322374320
Conc: 48.75 ng/ml

Time Response_ Signal: PD090608.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2197753001
Conc: 53.98 ng/ml



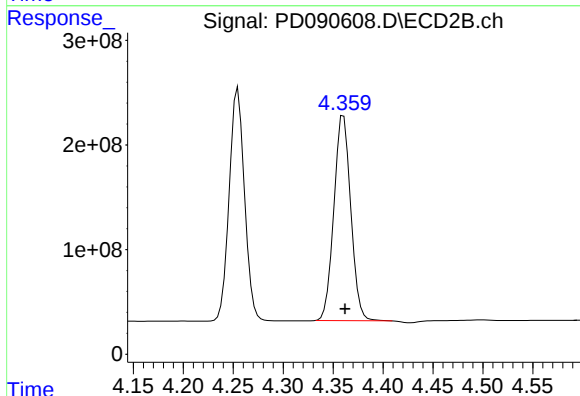
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.001 min
Response: 360293156
Conc: 56.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

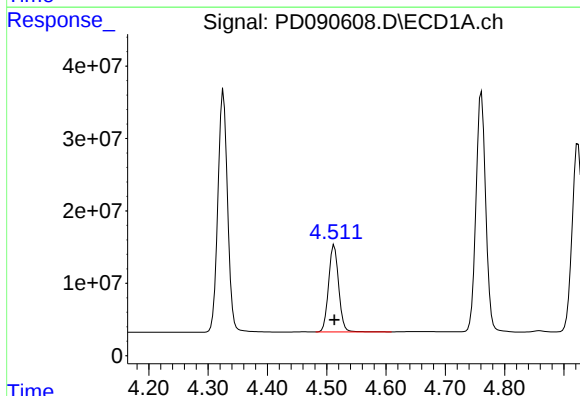
Manual Integrations
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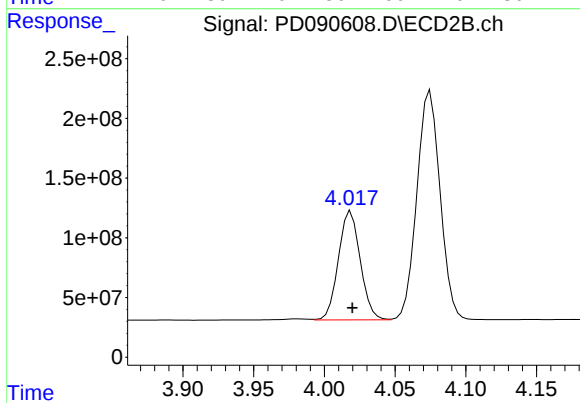
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.002 min
Response: 2309938565
Conc: 57.84 ng/ml



#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 141223203
Conc: 54.74 ng/ml

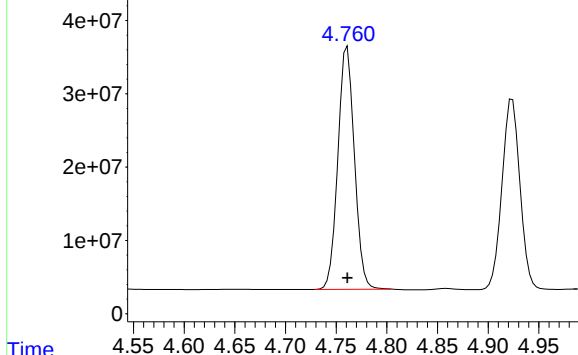


#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 982447555
Conc: 56.67 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.760 min
Delta R.T.: -0.001 min
Response: 376103060
Conc: 58.24 ng/ml

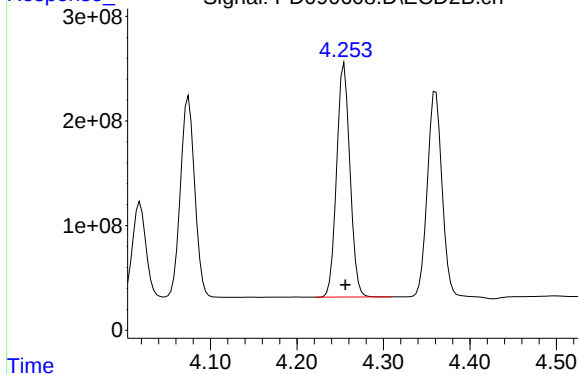
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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Response_ Signal: PD090608.D\ECD2B.ch

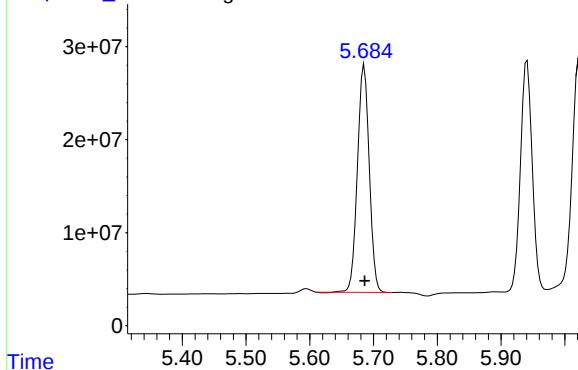
#7 delta-BHC



R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2376911257
Conc: 57.56 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch

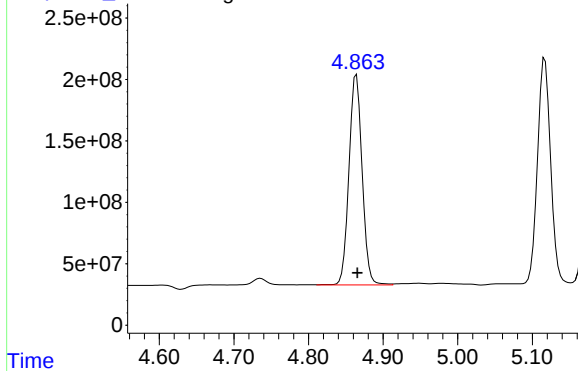
#8 Heptachlor epoxide



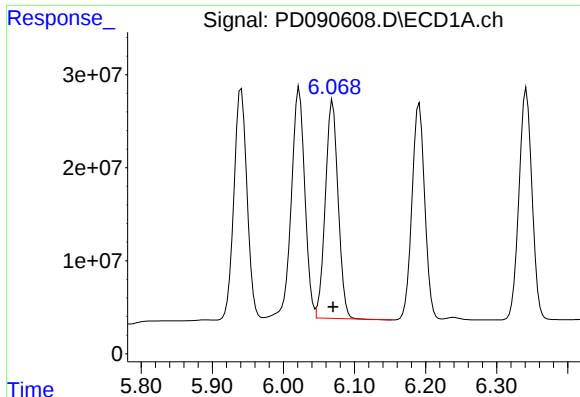
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 315397522
Conc: 55.19 ng/ml

Response_ Signal: PD090608.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2092650908
Conc: 56.77 ng/ml



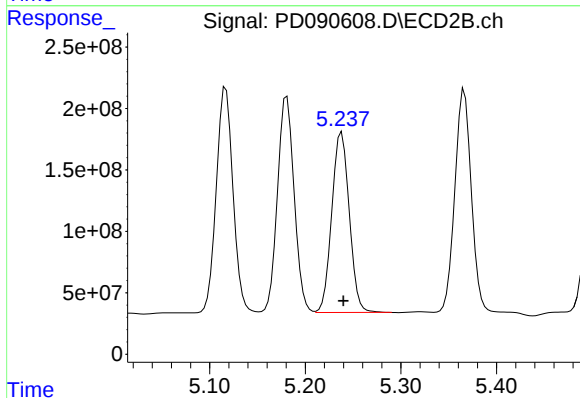
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 293556594
Conc: 54.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

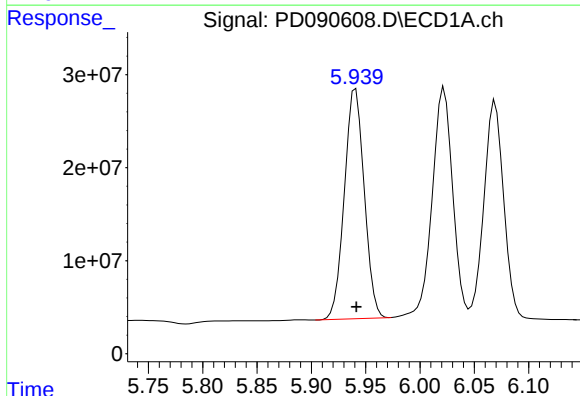
Manual Integrations
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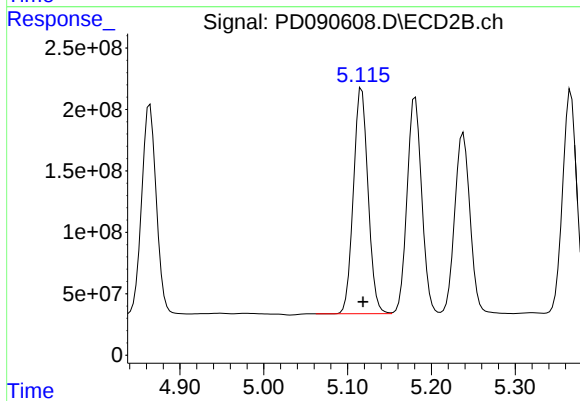
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1865234125
Conc: 53.90 ng/ml



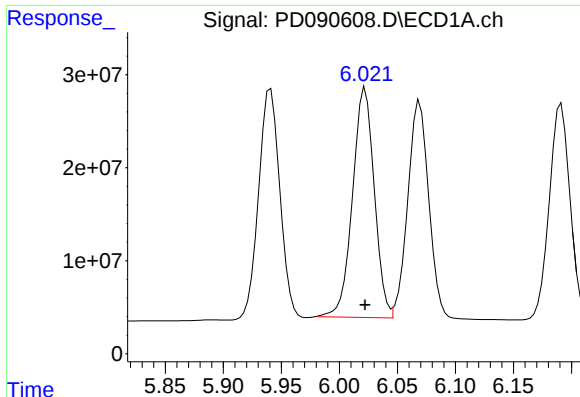
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 314779535
Conc: 55.11 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 2232657006
Conc: 56.83 ng/ml



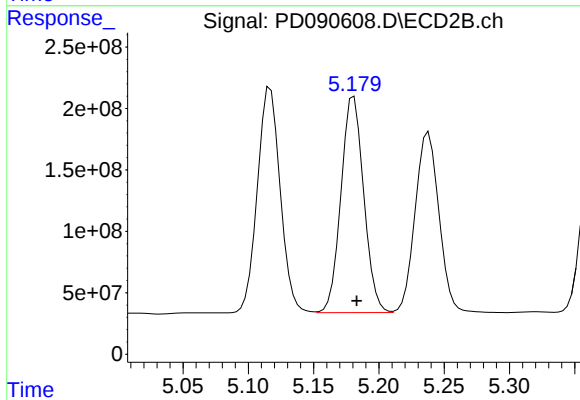
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 321710012
Conc: 55.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

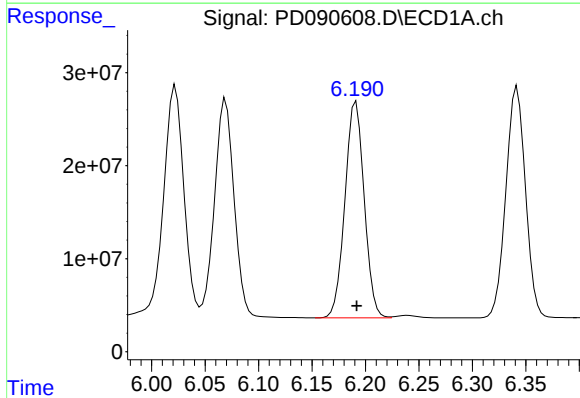
Manual Integrations
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Supervised By :mohammad ahmed 10/17/2025



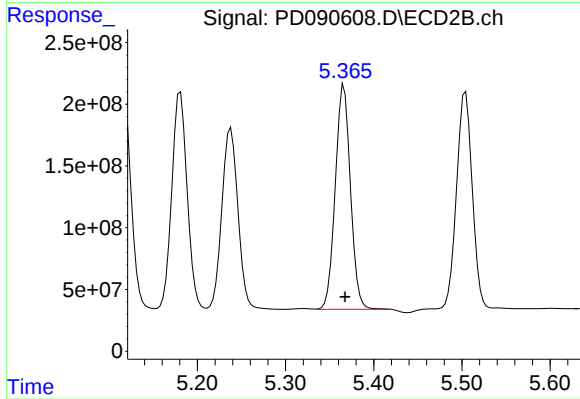
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 2134018840
Conc: 56.66 ng/ml



#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 291788184
Conc: 56.03 ng/ml

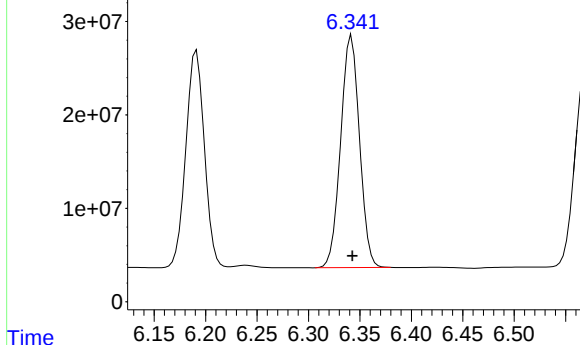


#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.001 min
Response: 2173723669
Conc: 56.79 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch

#13 Dieldrin



R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 316569060
Conc: 54.92 ng/ml

Instrument :

ECD_D

ClientSampleId :

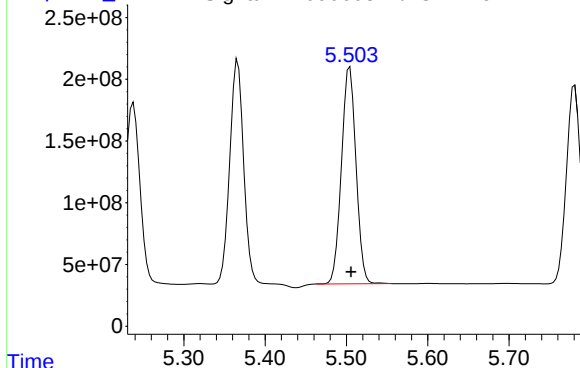
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 10/17/2025

Time Response_ Signal: PD090608.D\ECD2B.ch

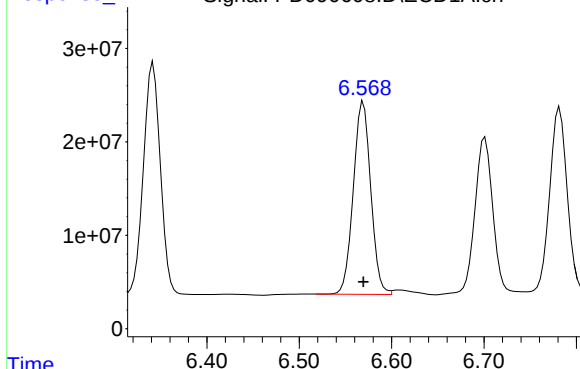
#13 Dieldrin



R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 2178443134
Conc: 55.94 ng/ml

Time Response_ Signal: PD090608.D\ECD1A.ch

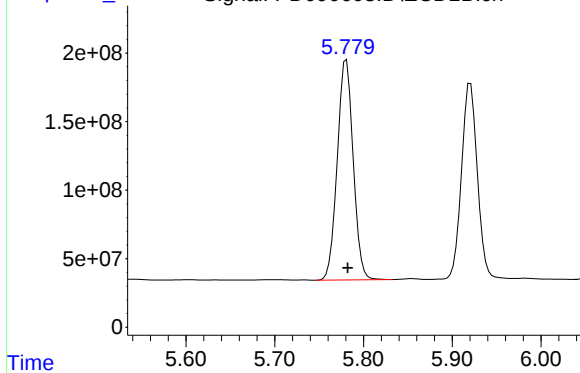
#14 Endrin



R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 270958404
Conc: 55.37 ng/ml

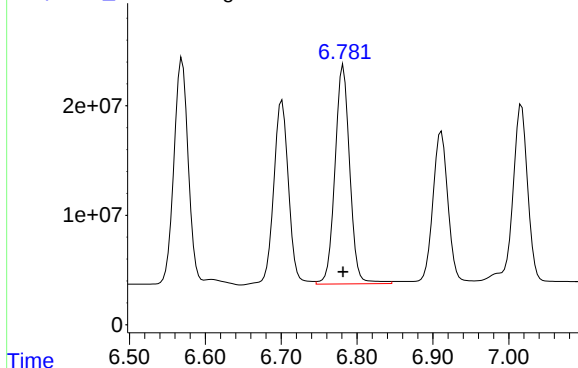
Time Response_ Signal: PD090608.D\ECD2B.ch

#14 Endrin



R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 2004944264
Conc: 55.95 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch



#15 Endosulfan II

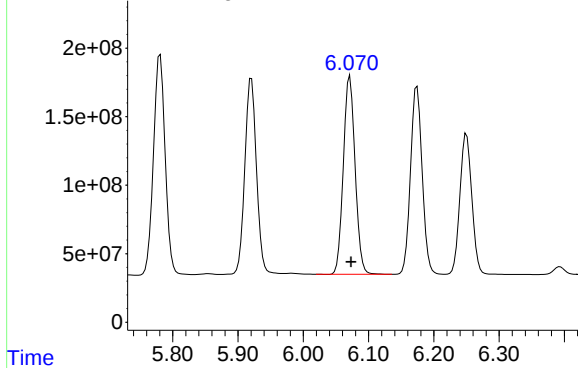
R.T.: 6.782 min
Delta R.T.: 0.000 min
Response: 270495398
Conc: 55.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

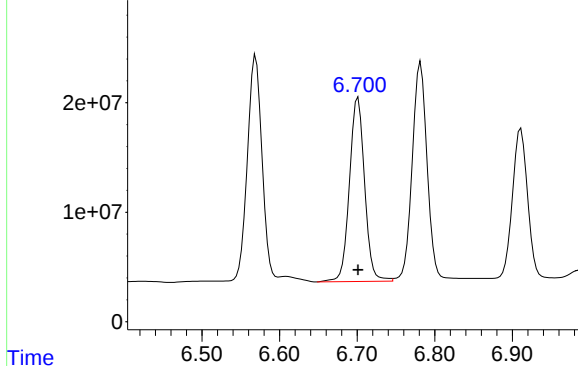
Response_ Signal: PD090608.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1810320614
Conc: 53.64 ng/ml

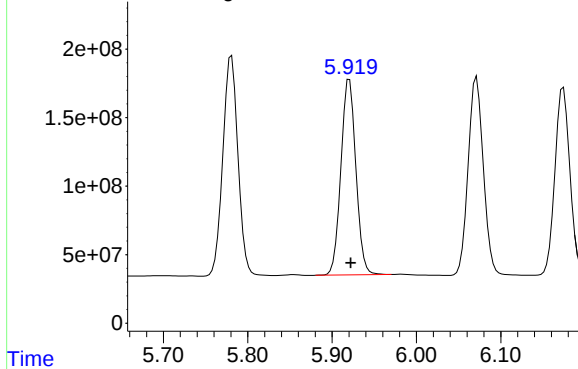
Response_ Signal: PD090608.D\ECD1A.ch



#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 228733634
Conc: 55.82 ng/ml

Response_ Signal: PD090608.D\ECD2B.ch

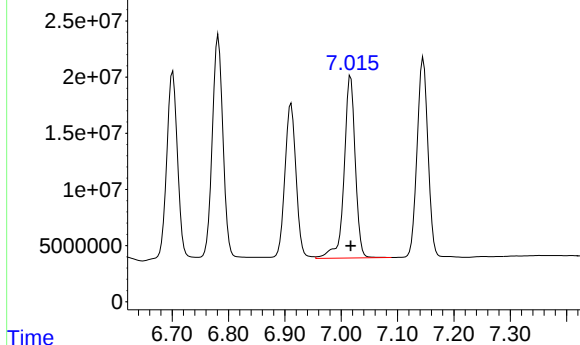


#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1763295863
Conc: 54.38 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 223234785
Conc: 50.14 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

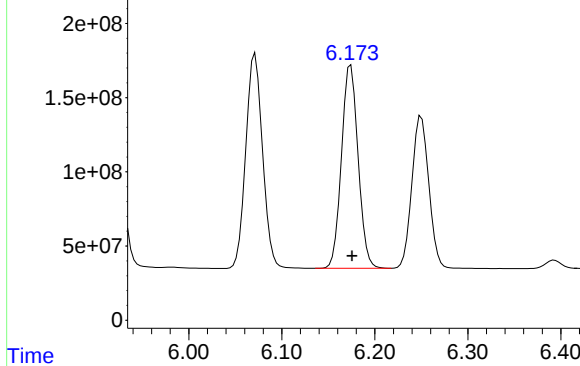
APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Time Response_ Signal: PD090608.D\ECD2B.ch

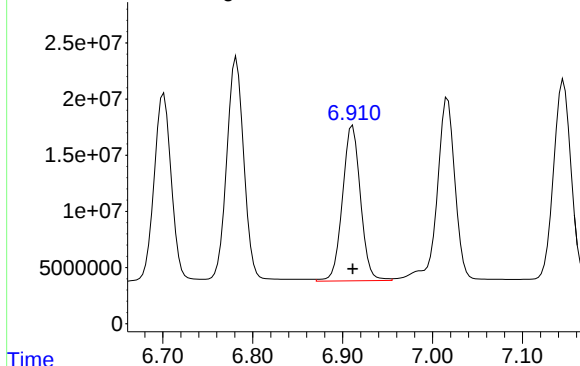
#17 4,4'-DDT



R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1702071716
Conc: 49.51 ng/ml

Time Response_ Signal: PD090608.D\ECD1A.ch

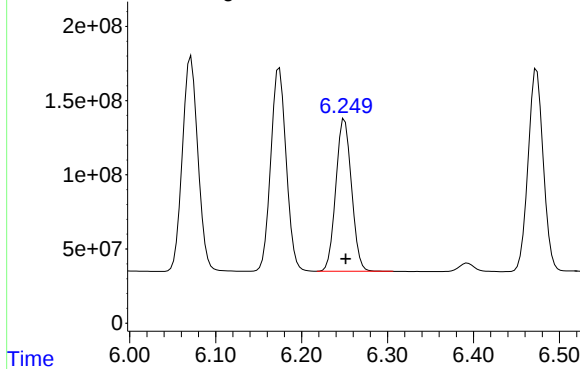
#18 Endrin aldehyde



R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 192266342
Conc: 56.04 ng/ml

Time Response_ Signal: PD090608.D\ECD2B.ch

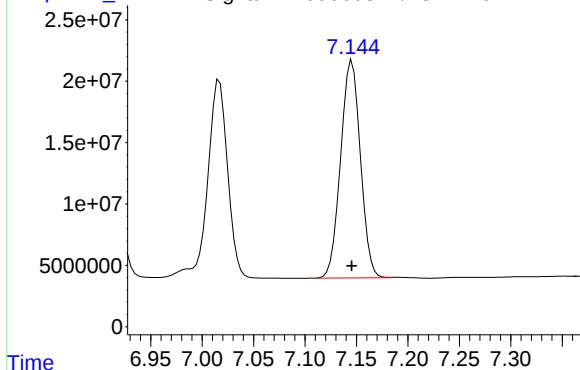
#18 Endrin aldehyde



R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1299853074
Conc: 55.20 ng/ml

Signal: PD090608.D\ECD1A.ch

#19 Endosulfan Sulfate



R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 237306632
Conc: 51.58 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

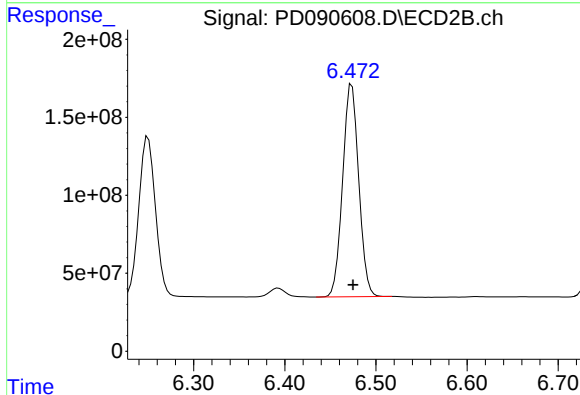
APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Signal: PD090608.D\ECD2B.ch

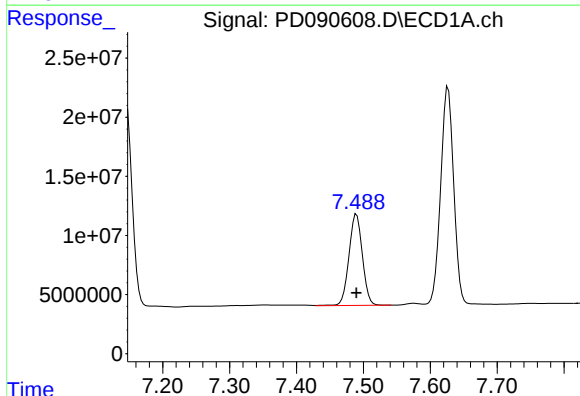
#19 Endosulfan Sulfate



R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1673619420
Conc: 51.20 ng/ml

Signal: PD090608.D\ECD1A.ch

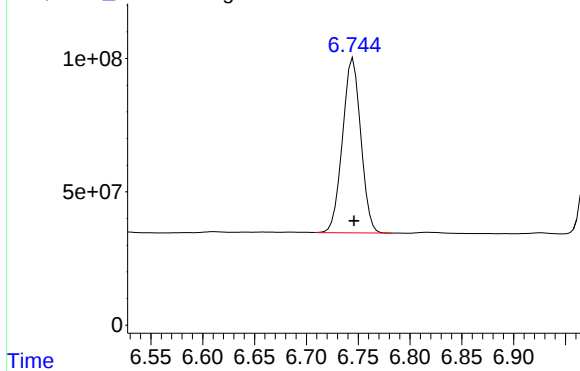
#20 Methoxychlor



R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 108211390
Conc: 45.92 ng/ml

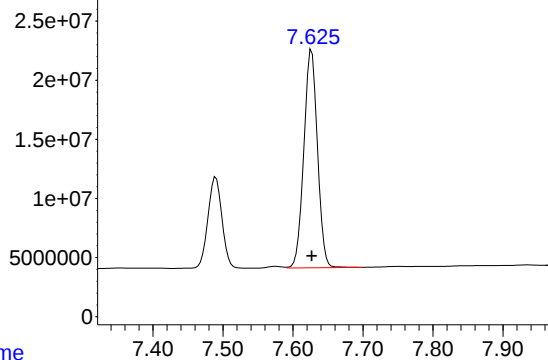
Signal: PD090608.D\ECD2B.ch

#20 Methoxychlor



R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 803488271
Conc: 46.18 ng/ml

Response_ Signal: PD090608.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 249352669
Conc: 50.40 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

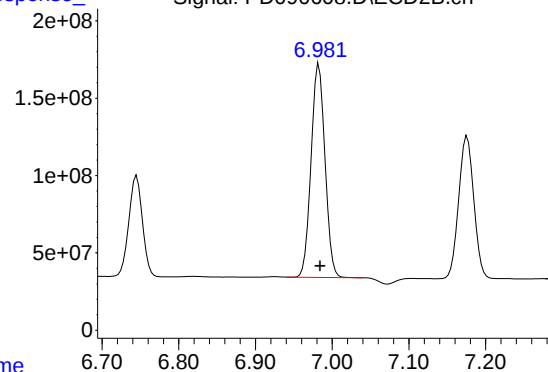
Manual Integrations

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Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

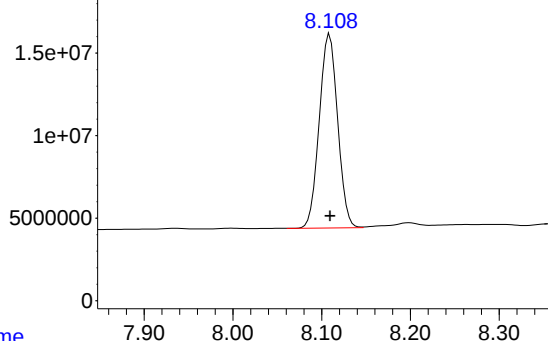
Time Response_ Signal: PD090608.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1738780833
Conc: 48.16 ng/ml

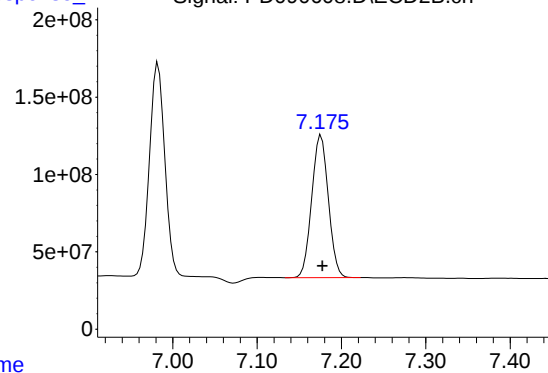
Time Response_ Signal: PD090608.D\ECD1A.ch



#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 169111696
Conc: 45.65 ng/ml

Time Response_ Signal: PD090608.D\ECD2B.ch

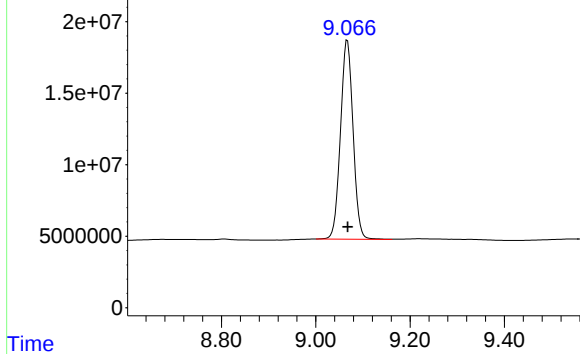


#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.002 min
Response: 1262889667
Conc: 45.75 ng/ml

Signal: PD090608.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 258062111
Conc: 53.48 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

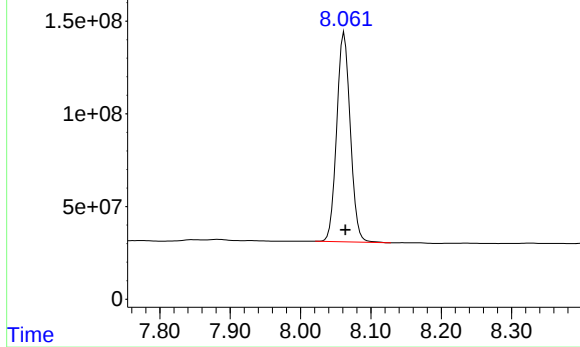
APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Signal: PD090608.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 1515081174
Conc: 46.74 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.066	8.970	9.170	16.390	20.000	-18.1
Tetrachloro-m-xylene	3.546	3.500	3.600	16.190	20.000	-19.1
alpha-BHC	3.995	3.940	4.050	7.010	10.000	-29.9
beta-BHC	4.512	4.460	4.560	7.900	10.000	-21.0
gamma-BHC (Lindane)	4.325	4.270	4.380	7.190	10.000	-28.1
Endrin	6.569	6.500	6.640	38.000	50.000	-24.0
4,4'-DDT	7.016	6.950	7.090	74.700	100.000	-25.3
Methoxychlor	7.489	7.420	7.560	174.520	250.000	-30.2

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090328.D Date Analyzed: 09/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:03

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.063	7.960	8.160	15.820	20.000	-20.9
Tetrachloro-m-xylene	2.876	2.830	2.930	15.940	20.000	-20.3
alpha-BHC	3.388	3.340	3.440	8.280	10.000	-17.2
beta-BHC	4.020	3.970	4.070	8.430	10.000	-15.7
gamma-BHC (Lindane)	3.724	3.670	3.770	8.260	10.000	-17.4
Endrin	5.782	5.710	5.850	37.930	50.000	-24.1
4,4'-DDT	6.176	6.110	6.250	73.820	100.000	-26.2
Methoxychlor	6.746	6.680	6.820	155.590	250.000	-37.8

Data File: PEM
 PD090328.D **Date Acquired** 9/18/2025 10:03
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	185982244.3	190943546	4961301.7	2.60
Endrin aldehyde	6.91	866602.768			
Endrin ketone	7.63	4094698.937			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1358982336	1403287997	44305661	3.16
Endrin aldehyde #2	6.25	15992666.68			
Endrin ketone #2	6.98	28312994.3			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	332607789.5	335744897.9	3137108.44	0.93
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3137108.439			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2537873822	2570934646	33060823.6	1.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.92	33060823.6			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 09/19/2025
 Supervised By : mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	52614883	437.5E6	16.187	15.938
28)	SA Decachlor...	9.066	8.063	79104389	512.8E6	16.395	15.820
Target Compounds							
2)	A alpha-BHC	3.995	3.388	48940172	362.6E6	7.007	8.282
3)	MA gamma-BHC...	4.325	3.724	47568494	336.3E6	7.189	8.255
6)	B beta-BHC	4.512	4.020	20379483	146.1E6	7.899	8.429
14)	MA Endrin	6.569	5.782	186.0E6	1359.0E6	38.003	37.926
16)	A 4,4'-DDD	6.699	5.923	3137108	33060824	0.766m	1.020 #
17)	MA 4,4'-DDT	7.016	6.176	332.6E6	2537.9E6	74.702	73.820
18)	B Endrin al...	6.909	6.249	866603	15992667	0.253m	0.679 #
20)	A Methoxychlor	7.489	6.746	411.3E6	2707.3E6	174.521	155.591
21)	B Endrin ke...	7.626	6.983	4094699	28312994	0.828	0.784

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

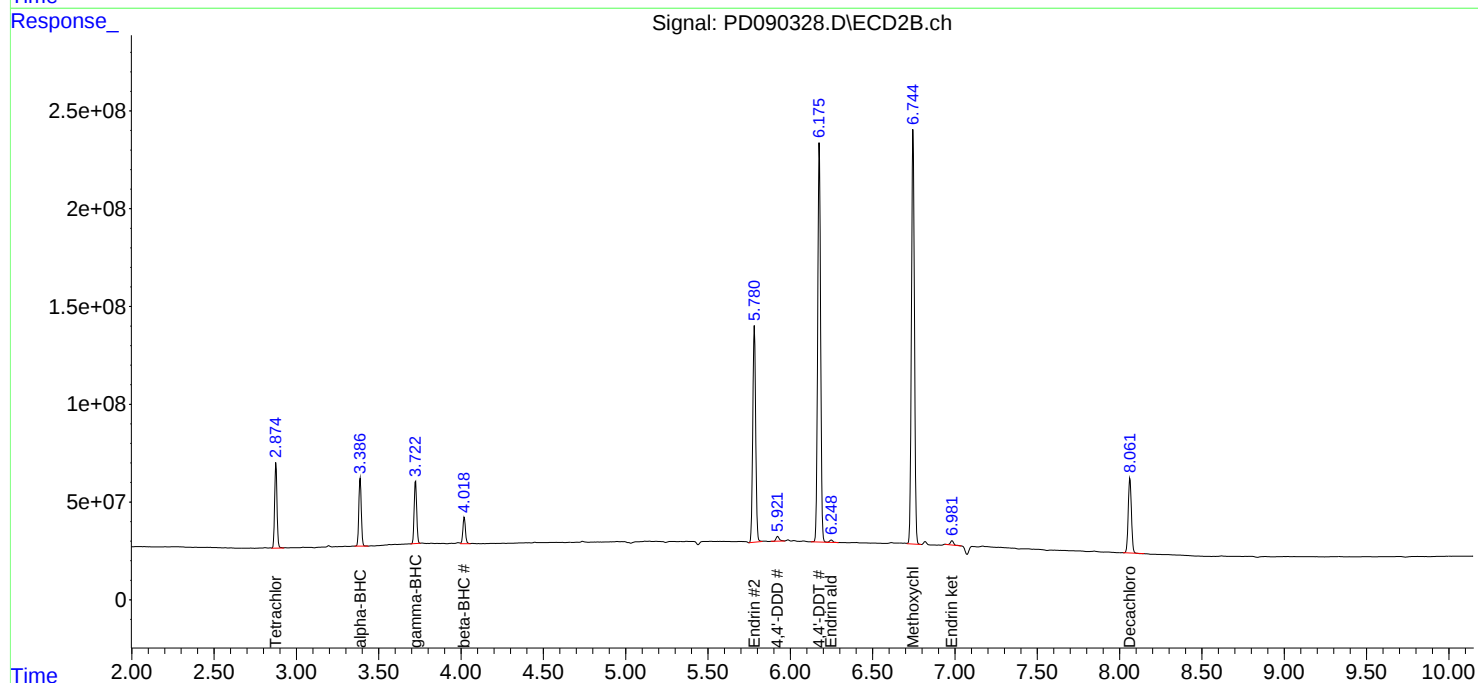
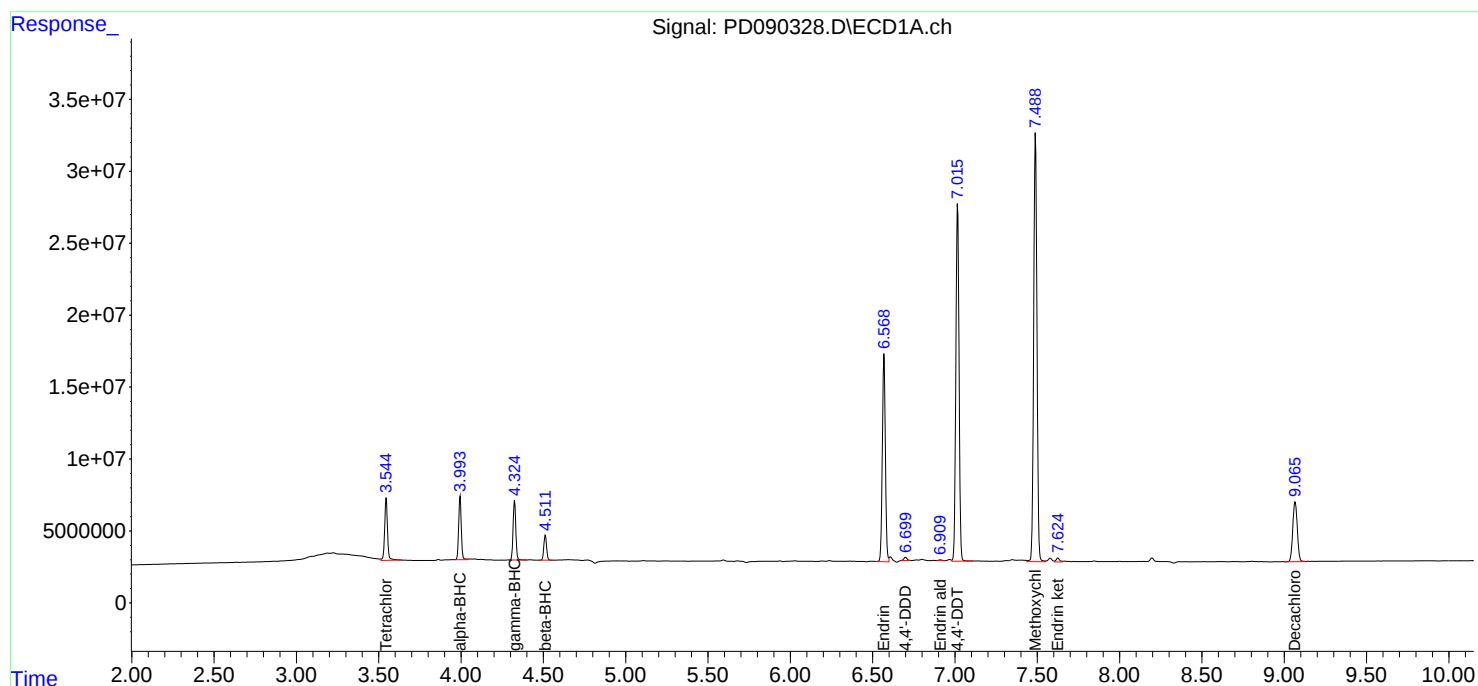
Instrument :
ECD_D
ClientSampleId :
PEM

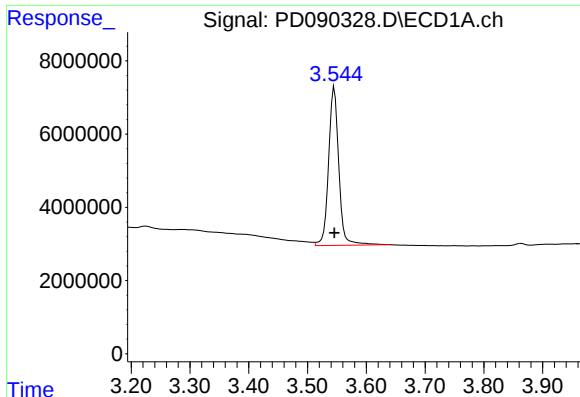
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:54:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





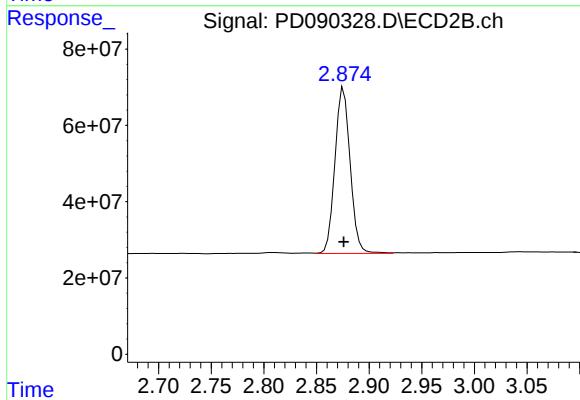
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 52614883
Conc: 16.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

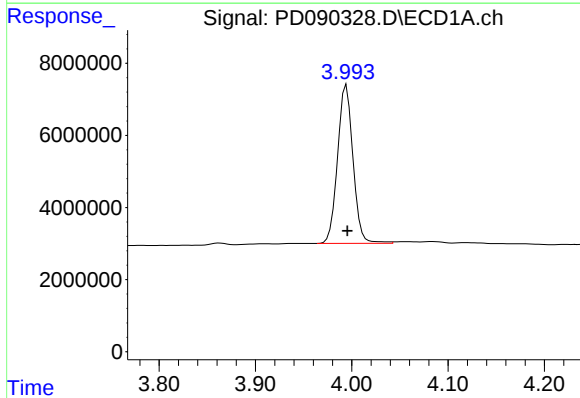
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



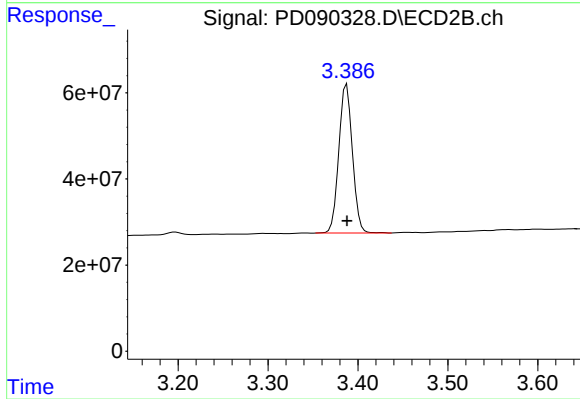
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 437486586
Conc: 15.94 ng/ml



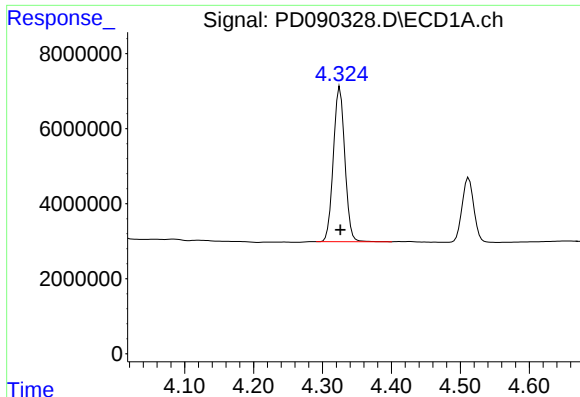
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 48940172
Conc: 7.01 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 362613966
Conc: 8.28 ng/ml



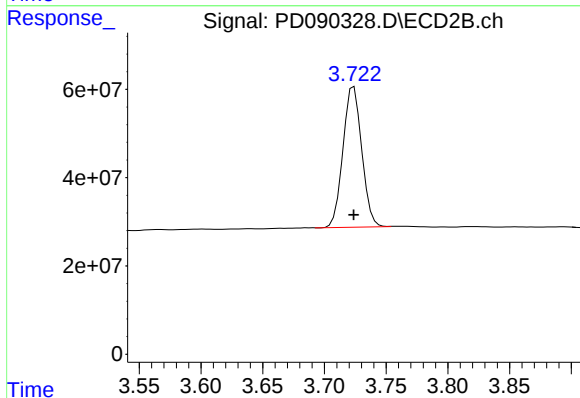
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 47568494
Conc: 7.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

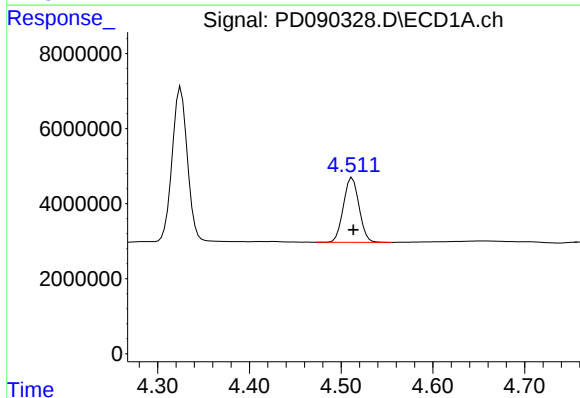
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



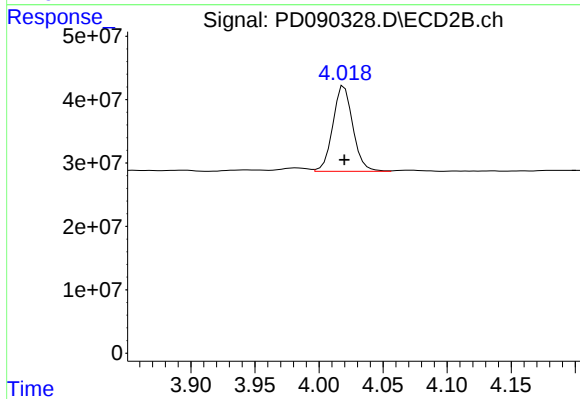
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 336278718
Conc: 8.26 ng/ml



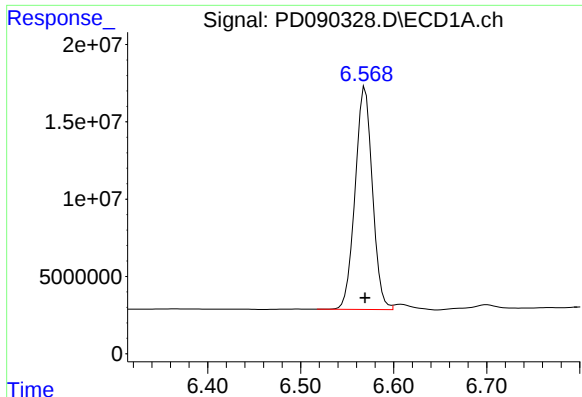
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20379483
Conc: 7.90 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 146120533
Conc: 8.43 ng/ml



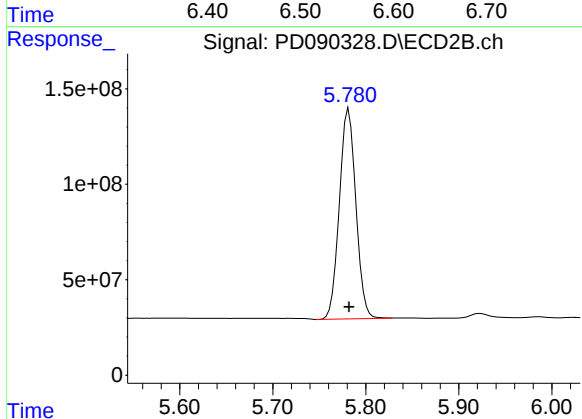
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 185982244
Conc: 38.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

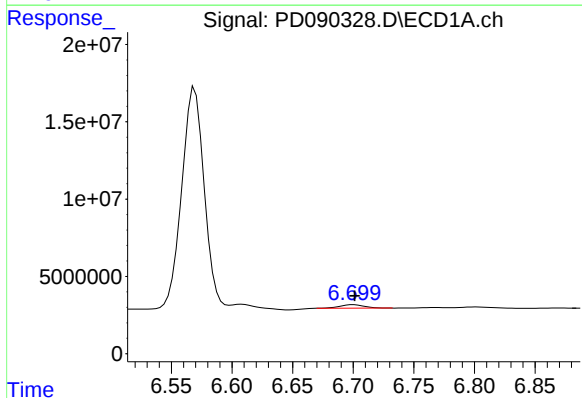
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



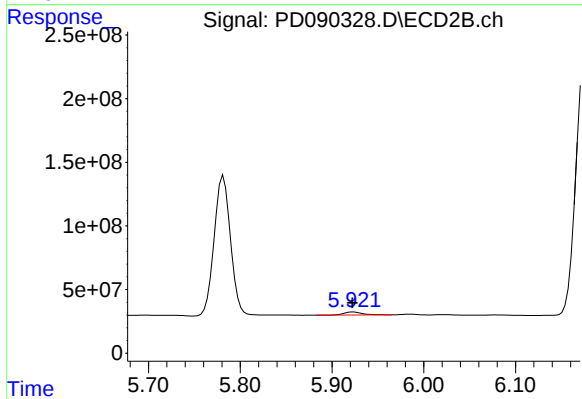
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1358982336
Conc: 37.93 ng/ml



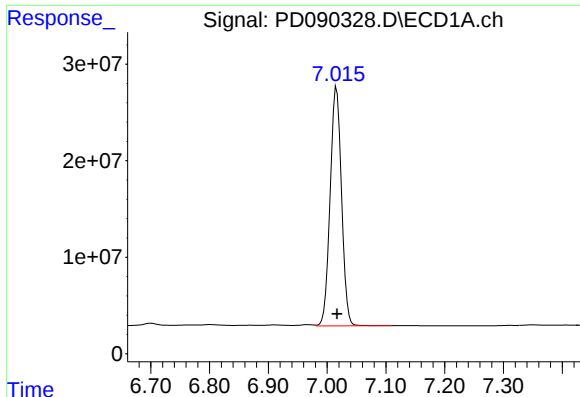
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 3137108
Conc: 0.77 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 33060824
Conc: 1.02 ng/ml



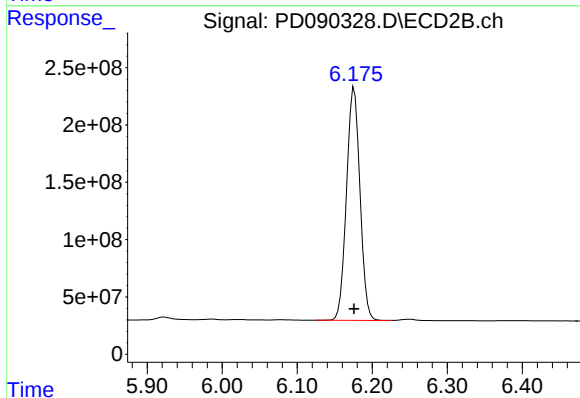
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 332607789
Conc: 74.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

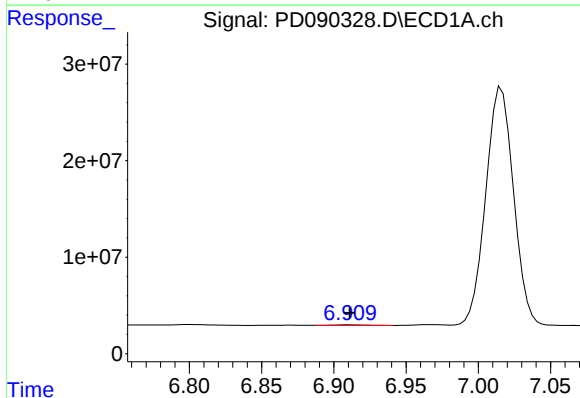
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



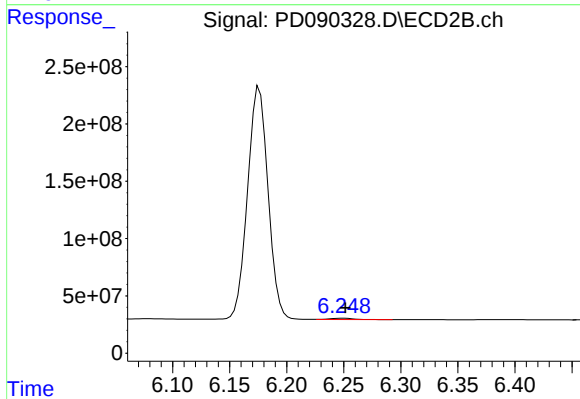
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2537873822
Conc: 73.82 ng/ml



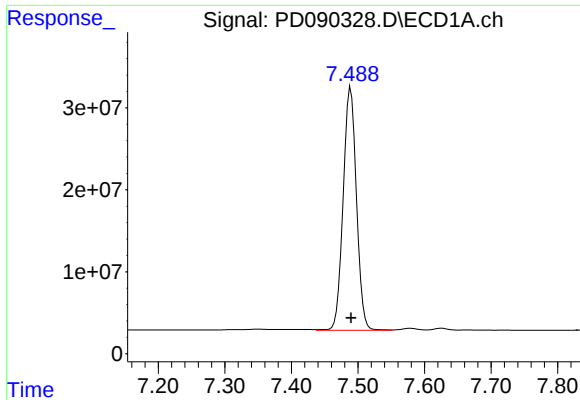
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 866603
Conc: 0.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 15992667
Conc: 0.68 ng/ml



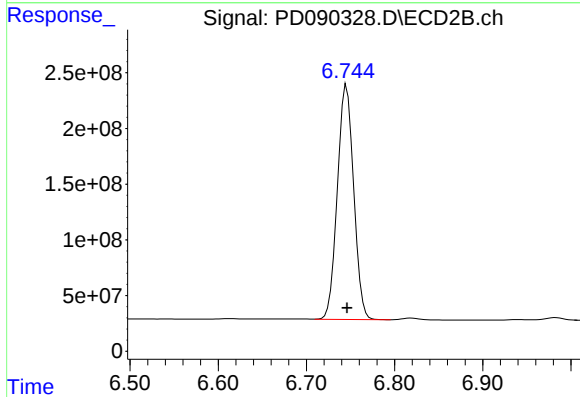
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 411259807
Conc: 174.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

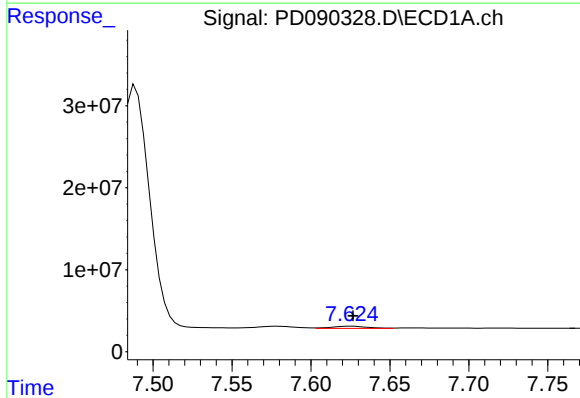
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



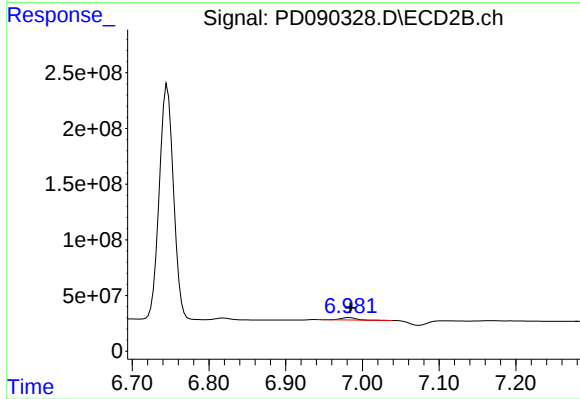
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 2707341456
Conc: 155.59 ng/ml



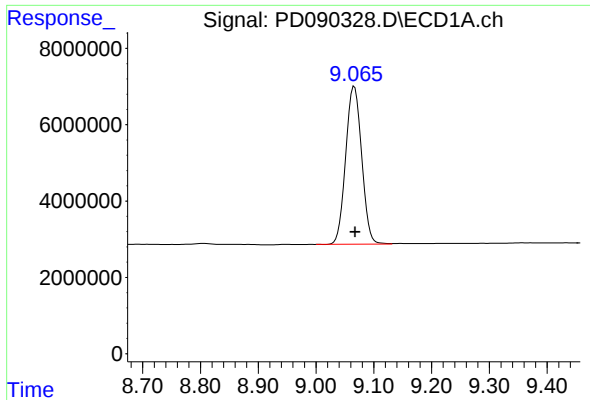
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 4094699
Conc: 0.83 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 28312994
Conc: 0.78 ng/ml



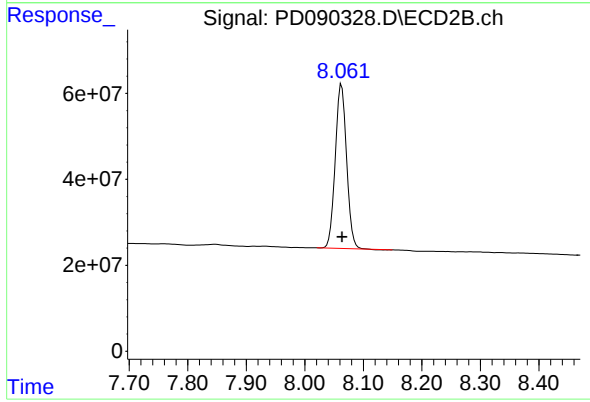
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 79104389
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/19/2025
Supervised By :mohammad ahmed 09/22/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 512786466
Conc: 15.82 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090572.D Date Analyzed: 10/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:40

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.065	8.960	9.170	16.070	20.000	-19.7
Tetrachloro-m-xylene	3.544	3.490	3.590	15.820	20.000	-20.9
alpha-BHC	3.994	3.940	4.040	6.840	10.000	-31.6
beta-BHC	4.512	4.460	4.560	7.840	10.000	-21.6
gamma-BHC (Lindane)	4.324	4.270	4.370	7.100	10.000	-29.0
Endrin	6.569	6.500	6.640	37.260	50.000	-25.5
4,4'-DDT	7.016	6.950	7.090	69.960	100.000	-30.0
Methoxychlor	7.489	7.420	7.560	159.300	250.000	-36.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090572.D Date Analyzed: 10/14/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:40

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.061	7.960	8.160	16.880	20.000	-15.6
Tetrachloro-m-xylene	2.874	2.820	2.920	16.980	20.000	-15.1
alpha-BHC	3.386	3.340	3.440	8.840	10.000	-11.6
beta-BHC	4.018	3.970	4.070	8.920	10.000	-10.8
gamma-BHC (Lindane)	3.722	3.670	3.770	8.870	10.000	-11.3
Endrin	5.780	5.710	5.850	41.220	50.000	-17.6
4,4'-DDT	6.174	6.100	6.240	76.690	100.000	-23.3
Methoxychlor	6.743	6.670	6.810	150.900	250.000	-39.6

Data File: PEM
Operator: PD090572.D **Date Acquired** 10/14/2025 10:40
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	182366600.8	186828884.7	4462283.9	Down 2.39
Endrin aldehyde	6.91	1264555.335			
Endrin ketone	7.62	3197728.57			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1477048406	1516894065	39845658.8	2.63
Endrin aldehyde #2	6.25	15110618.5			
Endrin ketone #2	6.98	24735040.29			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	311480745.2	320838778.4	9358033.17	2.92
4,4'-DDE	6.19	529394.537			
4,4'-DDD	6.70	8828638.634			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	2636580353	2677509977	40929624.2	1.53
4,4'-DDE #2	5.37	6509192.596			
4,4'-DDD #2	5.92	34420431.58			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090572.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 10:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:35:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.544	2.874	51435676	466.0E6	15.824	16.977
28)	SA Decachlor...	9.065	8.061	77539469	547.1E6	16.070	16.879
Target Compounds							
2)	A alpha-BHC	3.994	3.386	47753749	386.9E6	6.837	8.837 #
3)	MA gamma-BHC...	4.324	3.722	47008789	361.4E6	7.104	8.871
6)	B beta-BHC	4.512	4.018	20235321	154.6E6	7.843	8.918
12)	B 4,4'-DDE	6.189	5.365	529395	6509193	0.102	0.170m#
14)	MA Endrin	6.569	5.780	182.4E6	1477.0E6	37.264	41.221
16)	A 4,4'-DDD	6.700	5.921	8828639	34420432	2.154	1.061 #
17)	MA 4,4'-DDT	7.016	6.174	311.5E6	2636.6E6	69.957	76.691
18)	B Endrin al...	6.912	6.247	1264555	15110618	0.369m	0.642 #
20)	A Methoxychlor	7.489	6.743	375.4E6	2625.7E6	159.295	150.902
21)	B Endrin ke...	7.625	6.980	3197729	24735040	0.646	0.685m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 10:40
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

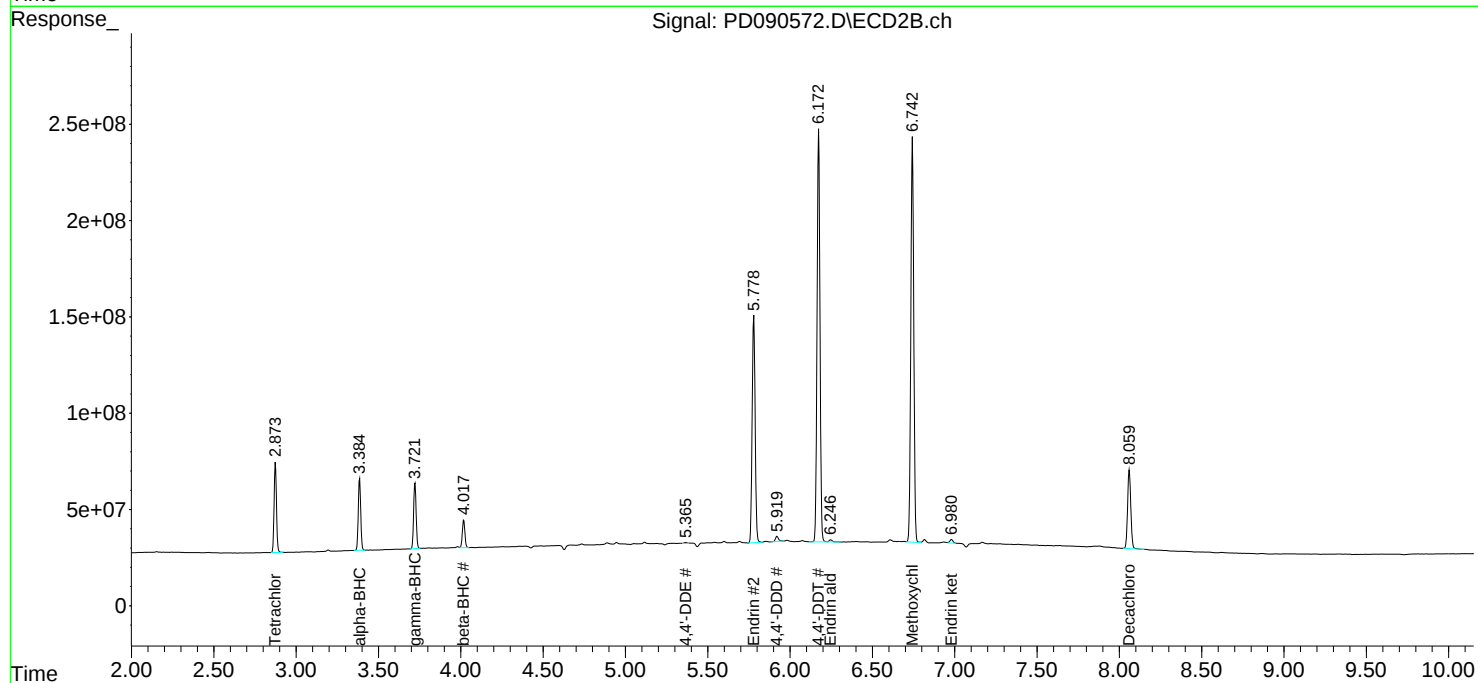
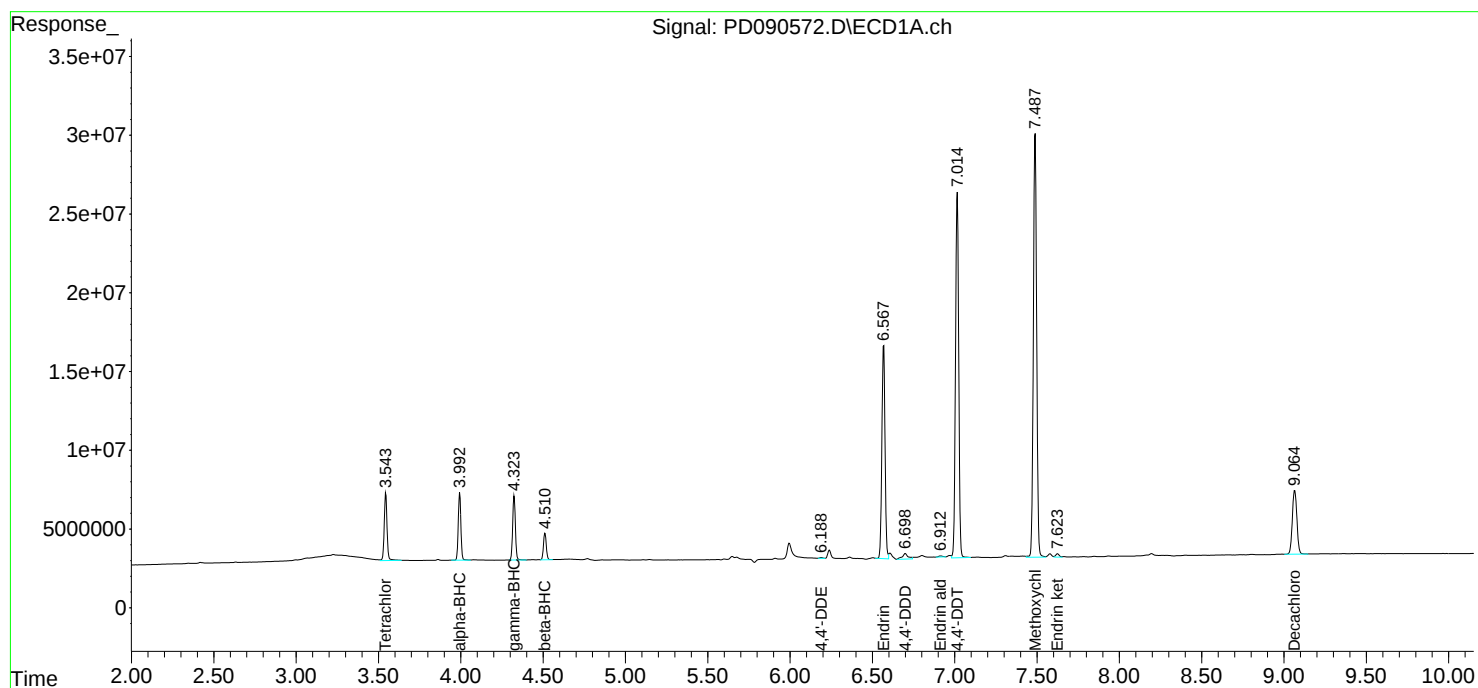
Instrument :
ECD_D
ClientSampleId :
PEM

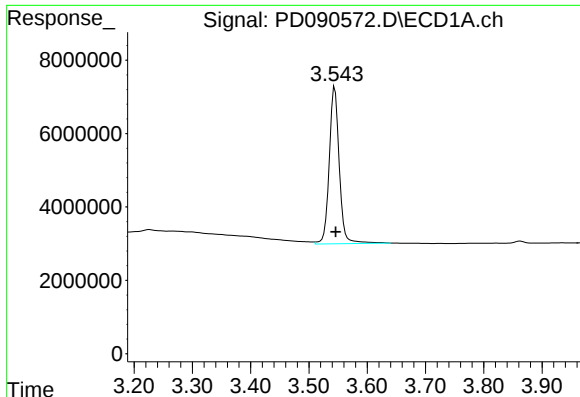
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:35:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





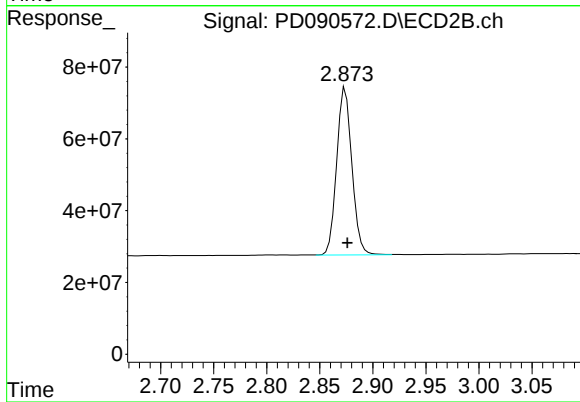
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 51435676
Conc: 15.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

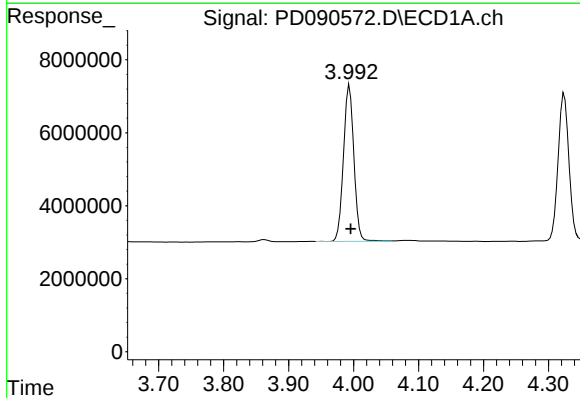
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



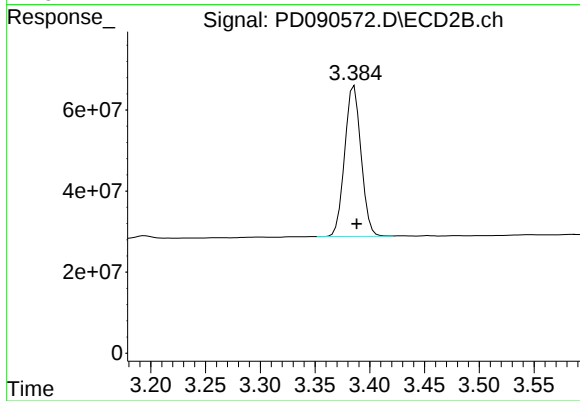
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 466015756
Conc: 16.98 ng/ml



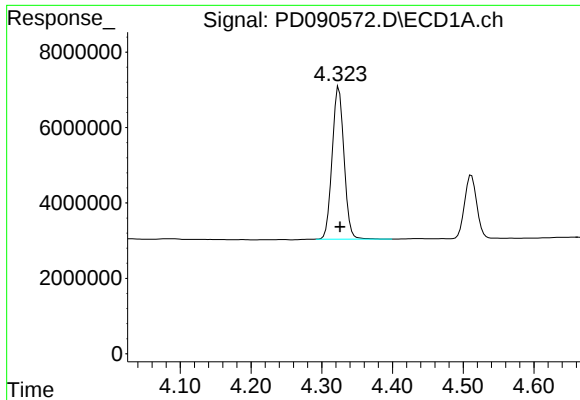
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 47753749
Conc: 6.84 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 386910210
Conc: 8.84 ng/ml



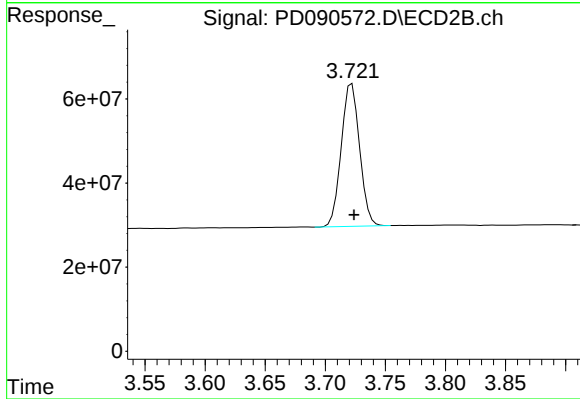
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 47008789
Conc: 7.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

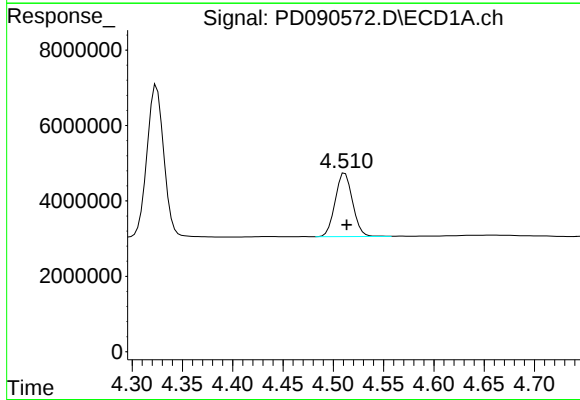
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



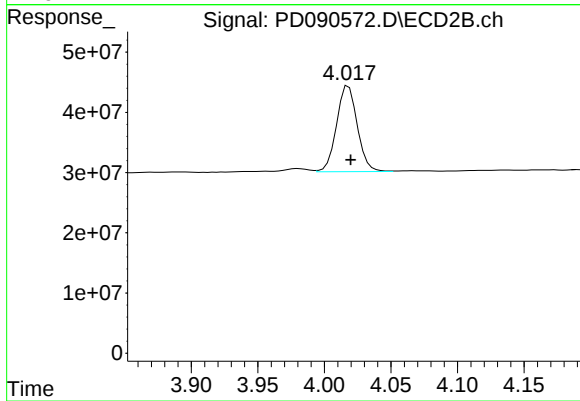
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 361362520
Conc: 8.87 ng/ml



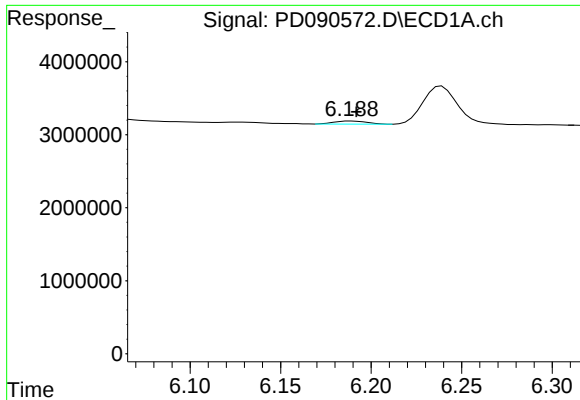
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 20235321
Conc: 7.84 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 154604715
Conc: 8.92 ng/ml



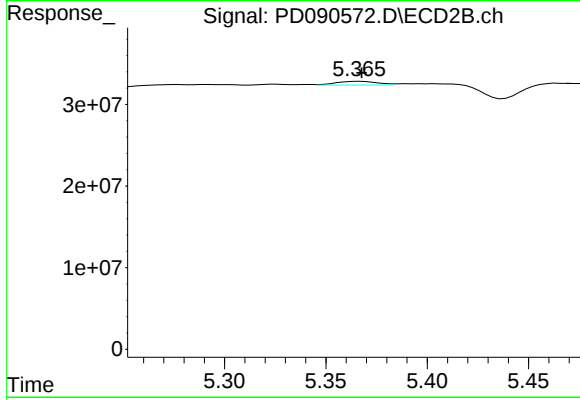
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 529395
Conc: 0.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

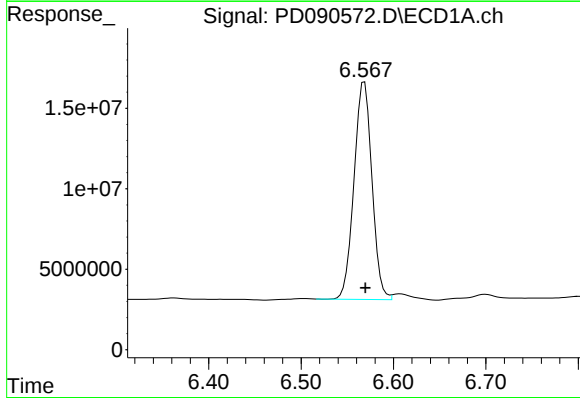
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



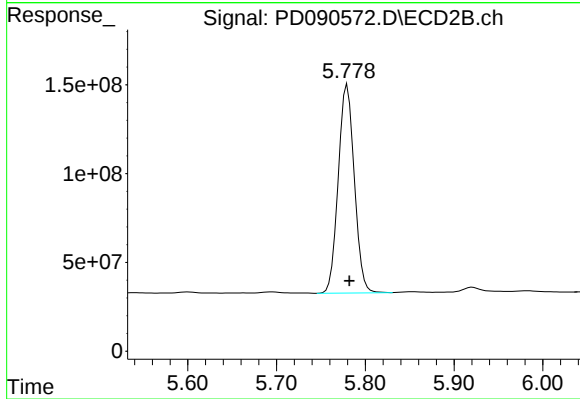
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 6509193
Conc: 0.17 ng/ml m



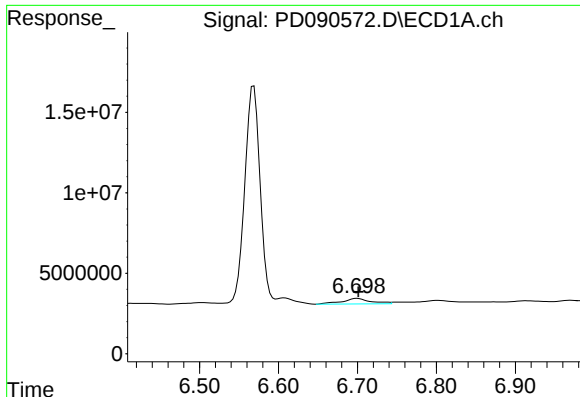
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 182366601
Conc: 37.26 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1477048406
Conc: 41.22 ng/ml



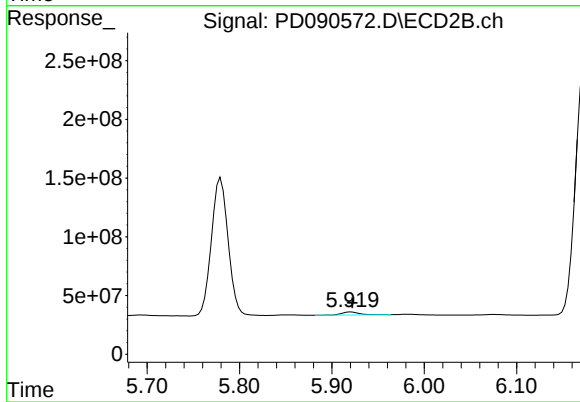
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 8828639
Conc: 2.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

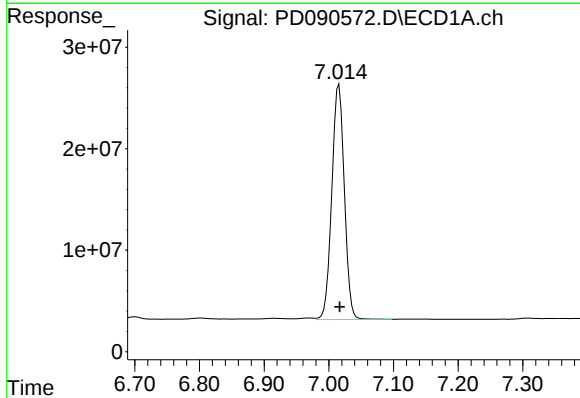
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



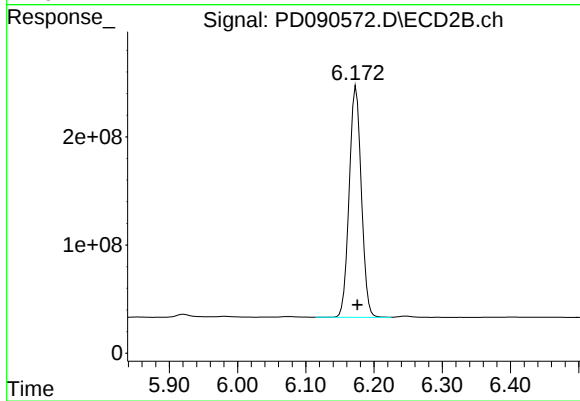
#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 34420432
Conc: 1.06 ng/ml



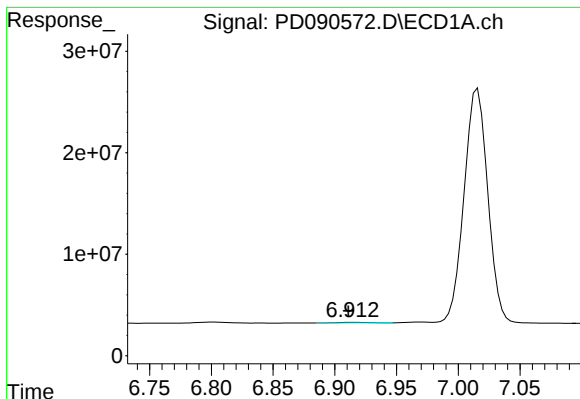
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 311480745
Conc: 69.96 ng/ml



#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 2636580353
Conc: 76.69 ng/ml



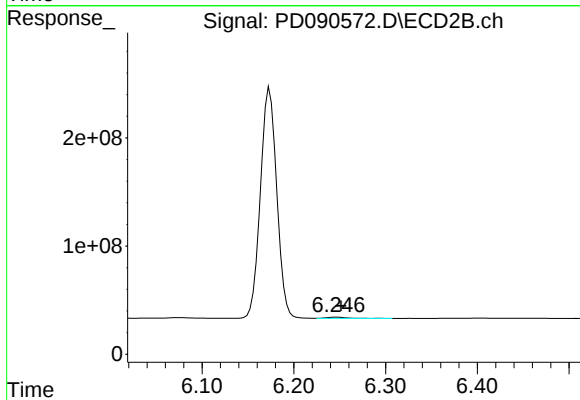
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.001 min
Response: 1264555
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

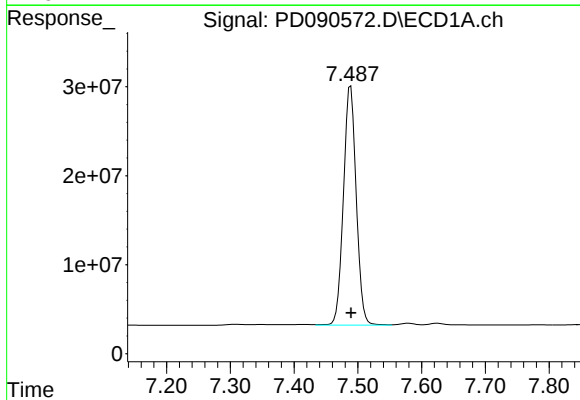
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



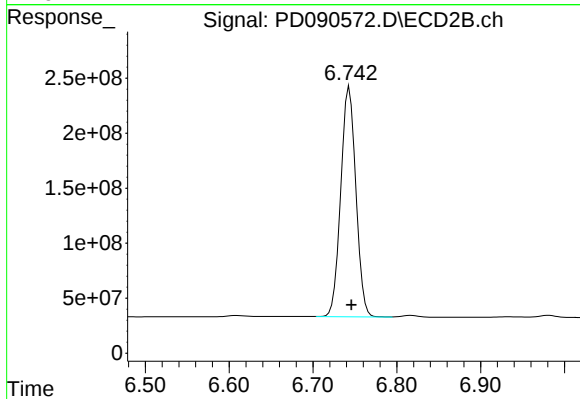
#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 15110618
Conc: 0.64 ng/ml



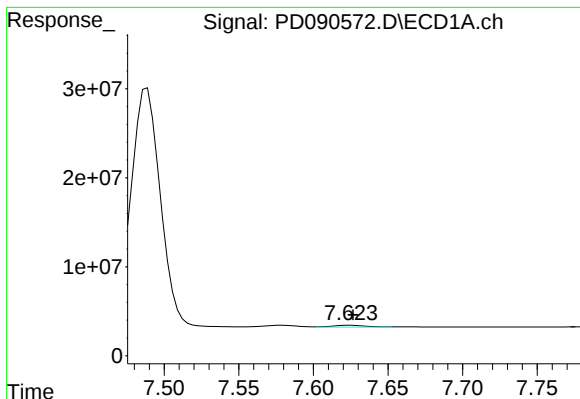
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 375380332
Conc: 159.30 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 2625746678
Conc: 150.90 ng/ml



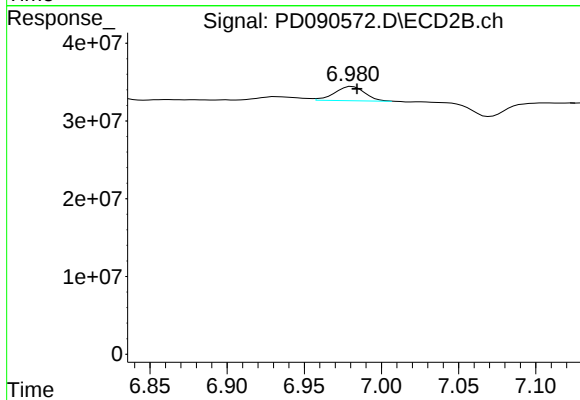
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 3197729
Conc: 0.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

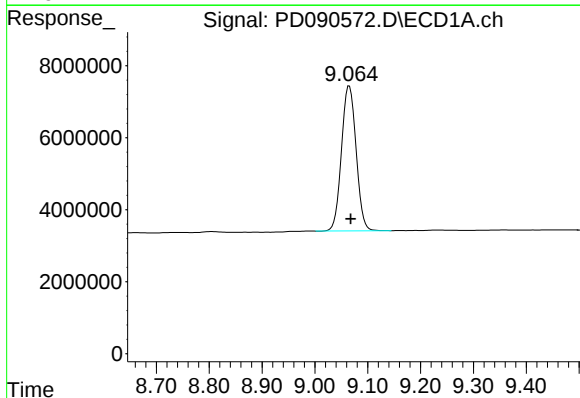
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



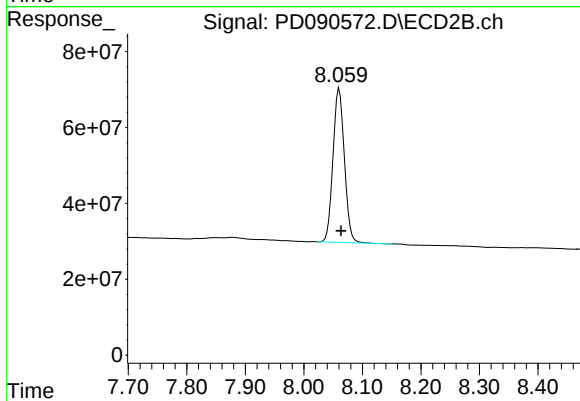
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.005 min
Response: 24735040
Conc: 0.69 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 77539469
Conc: 16.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 547136291
Conc: 16.88 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090595.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:33

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.065	8.960	9.170	15.660	20.000	-21.7
Tetrachloro-m-xylene	3.545	3.490	3.600	16.230	20.000	-18.9
alpha-BHC	3.994	3.940	4.040	7.040	10.000	-29.6
beta-BHC	4.512	4.460	4.560	8.110	10.000	-18.9
gamma-BHC (Lindane)	4.325	4.270	4.380	7.320	10.000	-26.8
Endrin	6.569	6.500	6.640	37.000	50.000	-26.0
4,4'-DDT	7.016	6.950	7.090	62.130	100.000	-37.9
Methoxychlor	7.489	7.420	7.560	139.160	250.000	-44.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/18/2025 09/18/2025

Client Sample No. (PEM): PEM - PD090595.D Date Analyzed: 10/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:33

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.061	7.960	8.160	15.420	20.000	-22.9
Tetrachloro-m-xylene	2.874	2.820	2.920	17.360	20.000	-13.2
alpha-BHC	3.386	3.340	3.440	9.030	10.000	-9.7
beta-BHC	4.018	3.970	4.070	9.030	10.000	-9.7
gamma-BHC (Lindane)	3.722	3.670	3.770	8.960	10.000	-10.4
Endrin	5.780	5.710	5.850	41.650	50.000	-16.7
4,4'-DDT	6.173	6.100	6.240	67.960	100.000	-32.0
Methoxychlor	6.744	6.670	6.810	138.040	250.000	-44.8

Data File: PEM
Operator: PD090595.D **Date Acquired** 10/15/2025 9:33
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	181066700.9	186158633.8	5091932.87	2.74
Endrin aldehyde	6.91	1372095.006			
Endrin ketone	7.63	3719837.861			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1492345975	1538039895	45693919.7	2.97
Endrin aldehyde #2	6.25	16466232.57			
Endrin ketone #2	6.98	29227687.16			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	276624738.1	291957636.4	15332898.3	5.25
4,4'-DDE	6.19	1257088.694			
4,4'-DDD	6.70	14075809.56			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.17	2336274726	2426175237	89900510.4	3.71
4,4'-DDE #2	5.36	12388917.12			
4,4'-DDD #2	5.92	77511593.33			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.874	52766967	476.7E6	16.234	17.365
28)	SA Decachlor...	9.065	8.061	75554782	499.8E6	15.659	15.418
Target Compounds							
2)	A alpha-BHC	3.994	3.386	49173290	395.6E6	7.040	9.035 #
3)	MA gamma-BHC...	4.325	3.722	48438090	364.8E6	7.320	8.955
6)	B beta-BHC	4.512	4.018	20917403	156.6E6	8.108	9.031
12)	B 4,4'-DDE	6.191	5.365	1257089	12388917	0.241	0.324m#
14)	MA Endrin	6.569	5.780	181.1E6	1492.3E6	36.998	41.648
16)	A 4,4'-DDD	6.700	5.921	14075810	77511593	3.435	2.390 #
17)	MA 4,4'-DDT	7.016	6.173	276.6E6	2336.3E6	62.128	67.956
18)	B Endrin al...	6.913	6.248	1372095	16466233	0.400m	0.699 #
20)	A Methoxychlor	7.489	6.744	327.9E6	2401.9E6	139.161	138.039
21)	B Endrin ke...	7.626	6.982	3719838	29227687	0.752	0.810

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

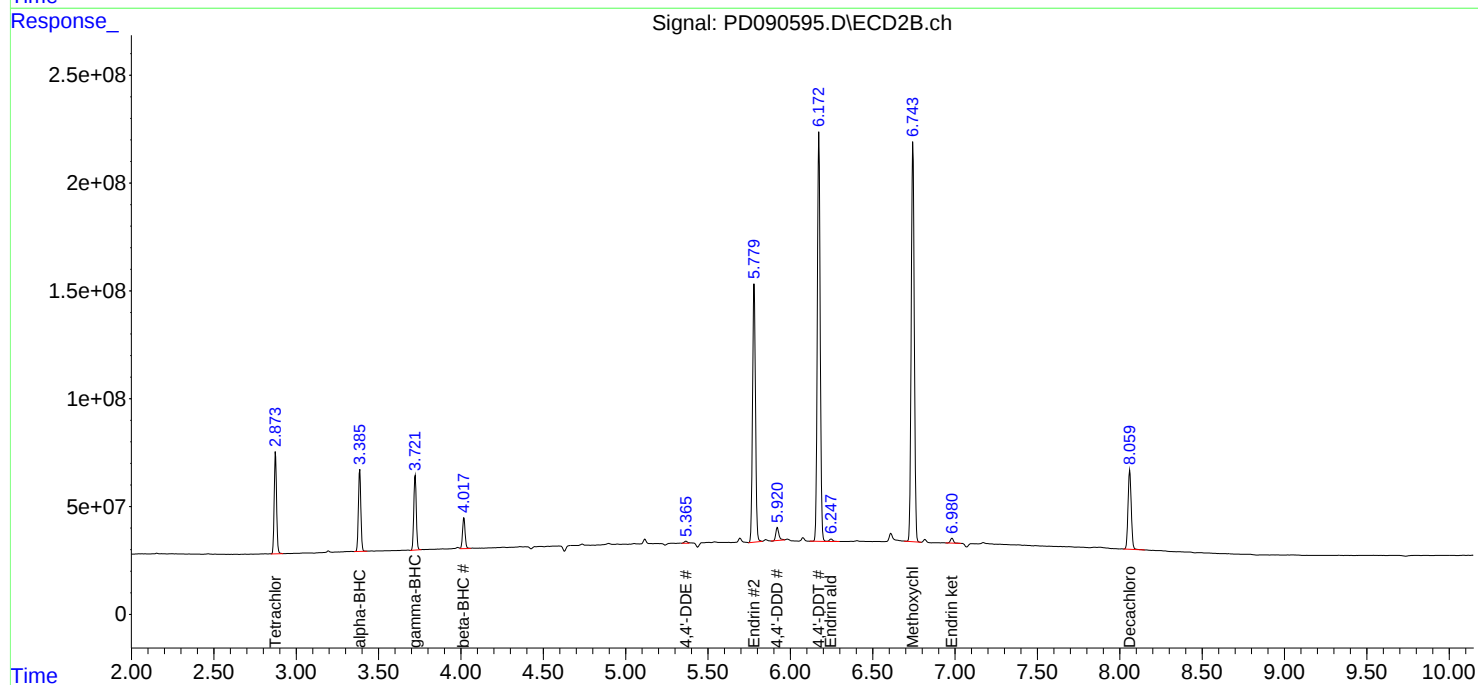
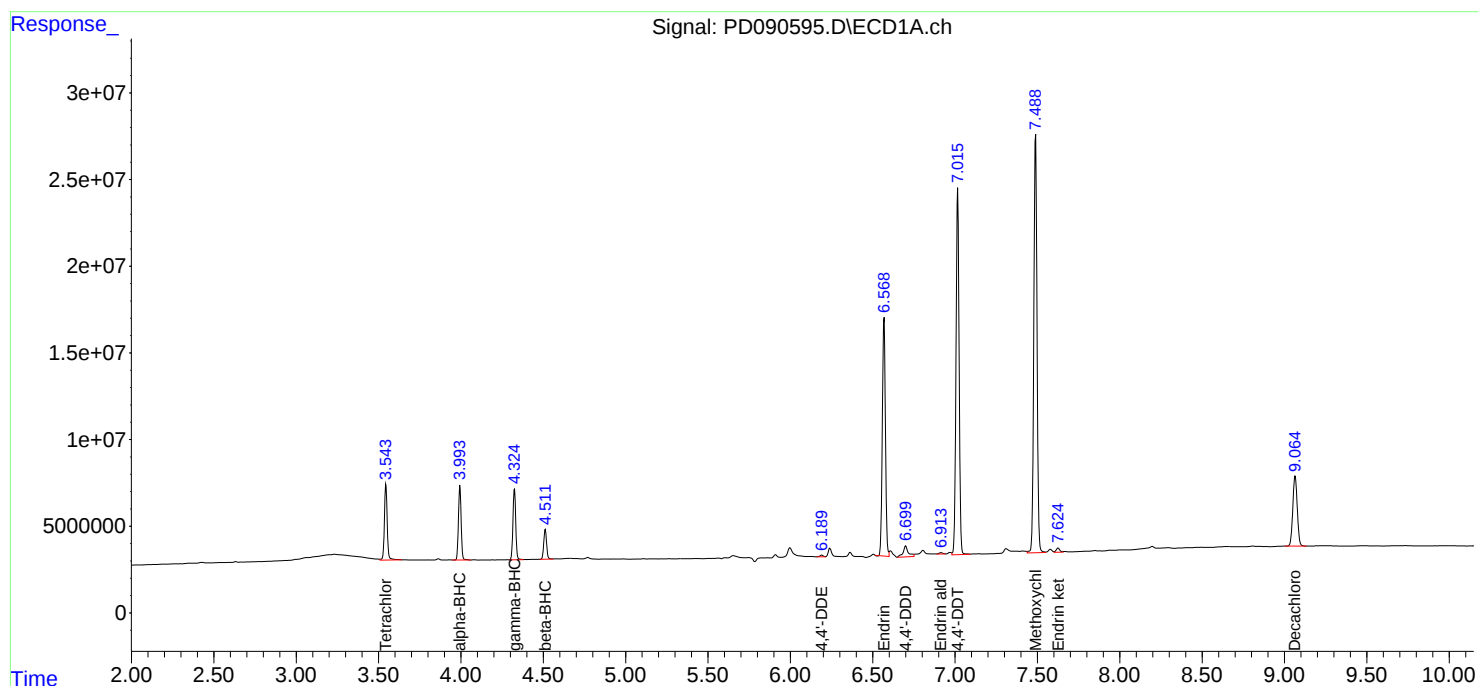
Instrument :
ECD_D
ClientSampleId :
PEM

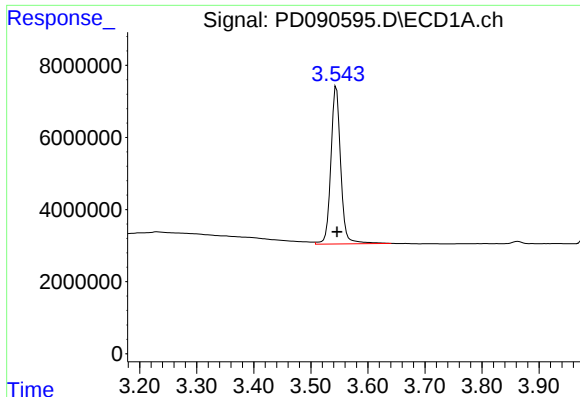
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 52766967
Conc: 16.23 ng/ml

Instrument :

ECD_D

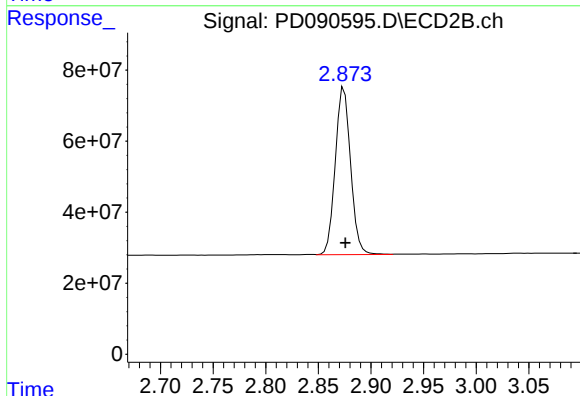
ClientSampleId :

PEM

Manual Integrations
APPROVED

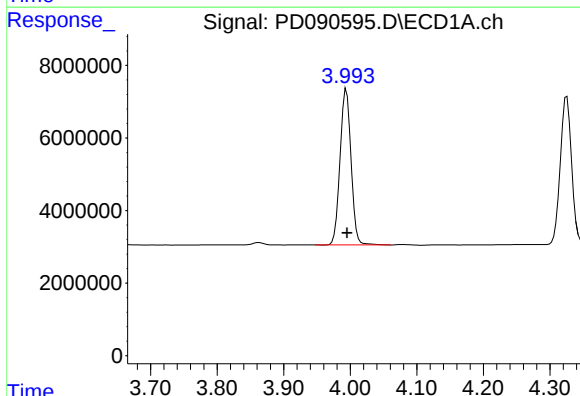
Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025



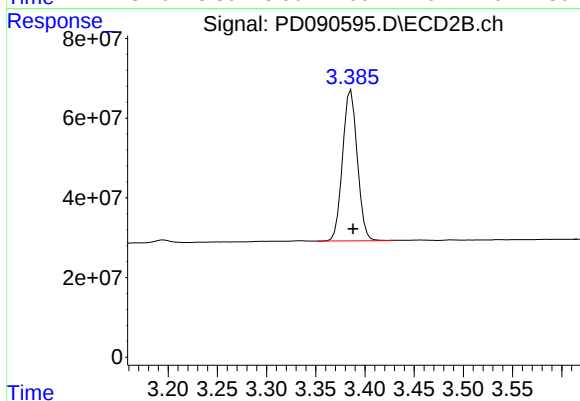
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 476659006
Conc: 17.36 ng/ml



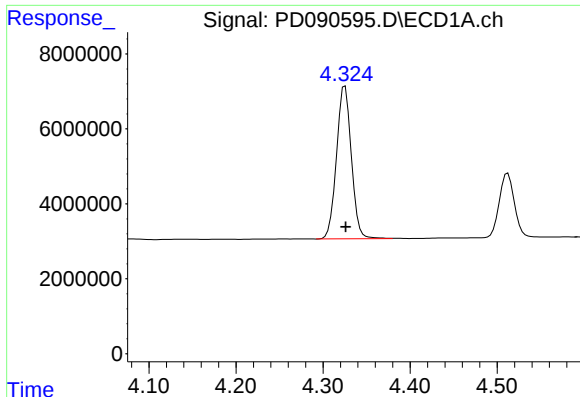
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 49173290
Conc: 7.04 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 395558129
Conc: 9.03 ng/ml



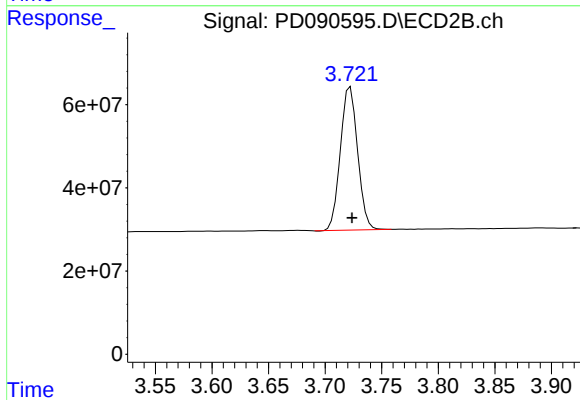
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 48438090
Conc: 7.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

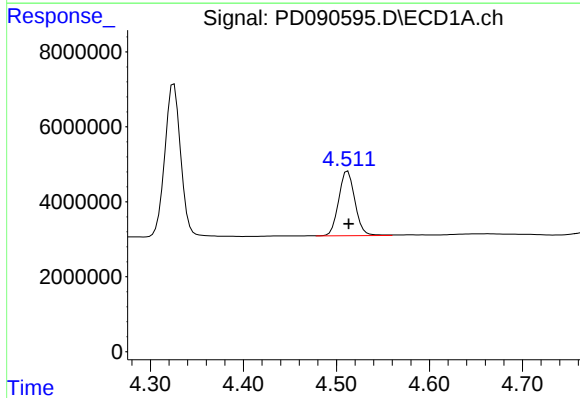
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



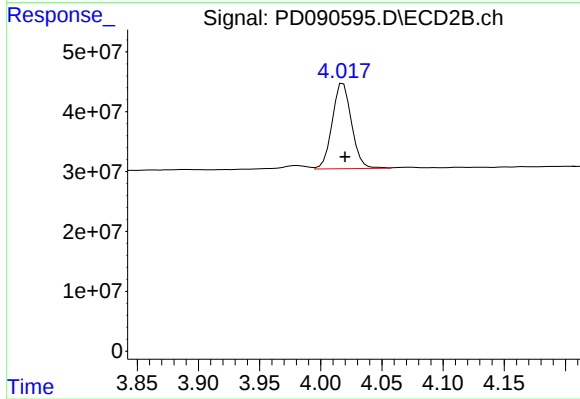
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 364800004
Conc: 8.96 ng/ml



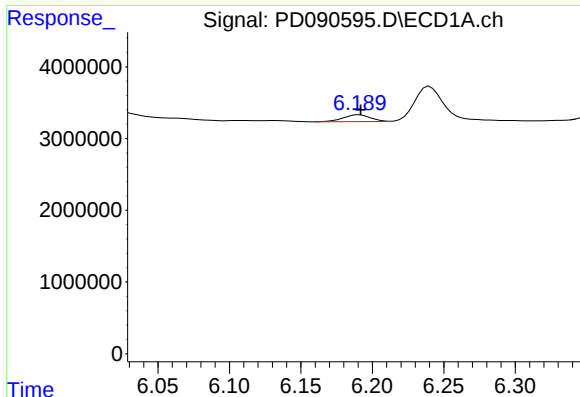
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20917403
Conc: 8.11 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 156562820
Conc: 9.03 ng/ml



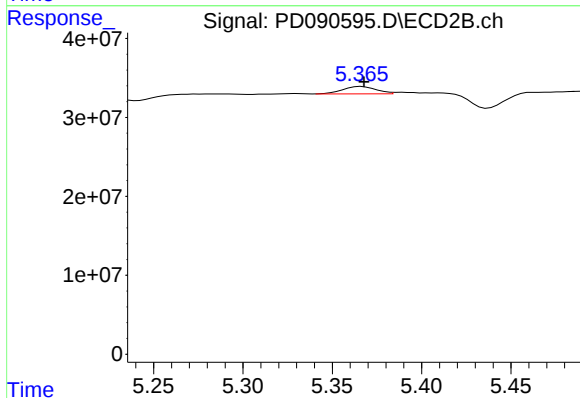
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 1257089
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

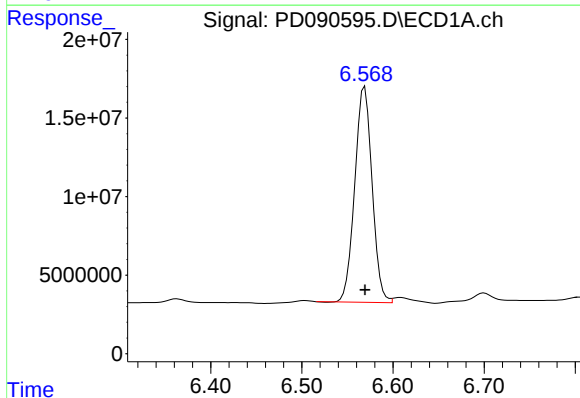
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



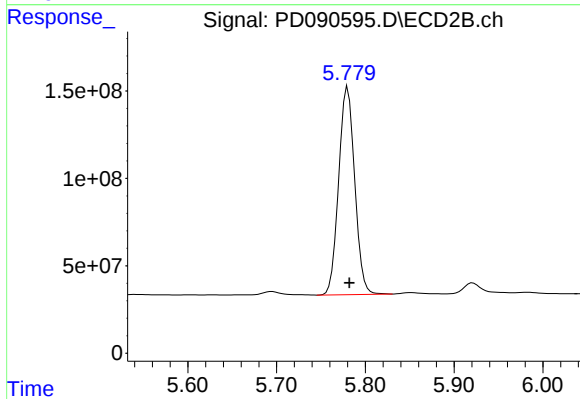
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 12388917
Conc: 0.32 ng/ml m



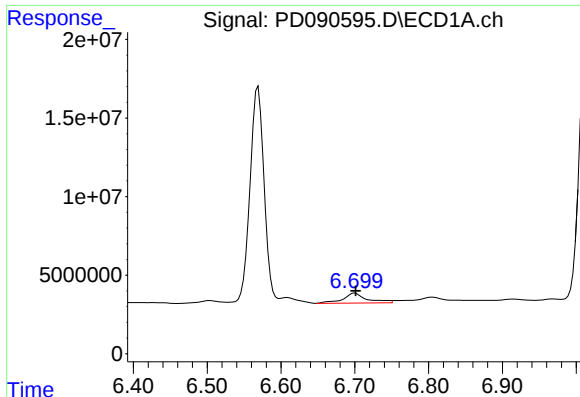
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 181066701
Conc: 37.00 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1492345975
Conc: 41.65 ng/ml



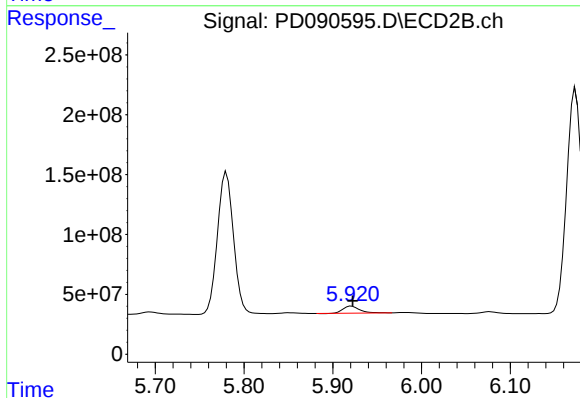
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 14075810
Conc: 3.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

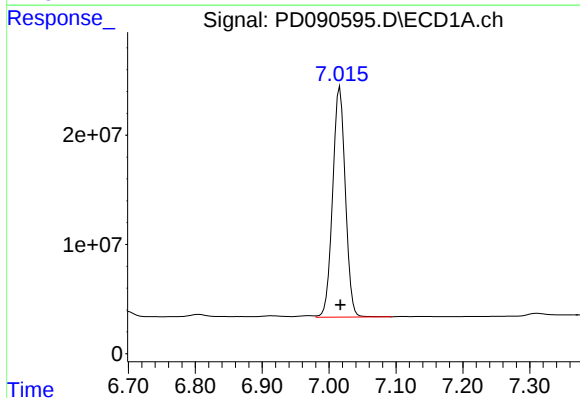
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



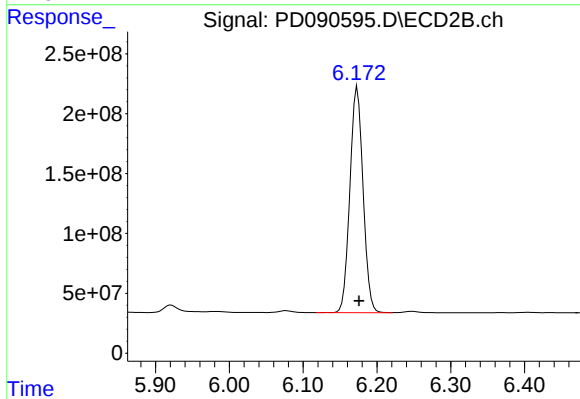
#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 77511593
Conc: 2.39 ng/ml



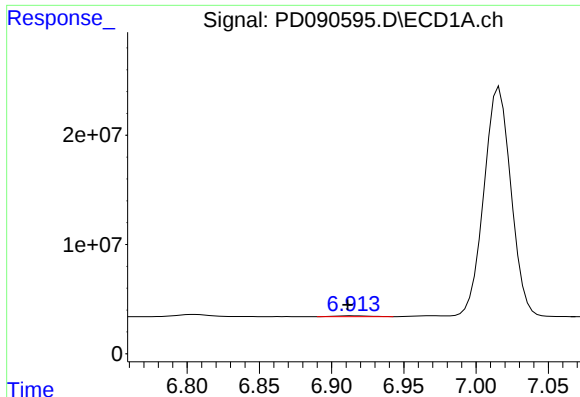
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 276624738
Conc: 62.13 ng/ml



#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 2336274726
Conc: 67.96 ng/ml



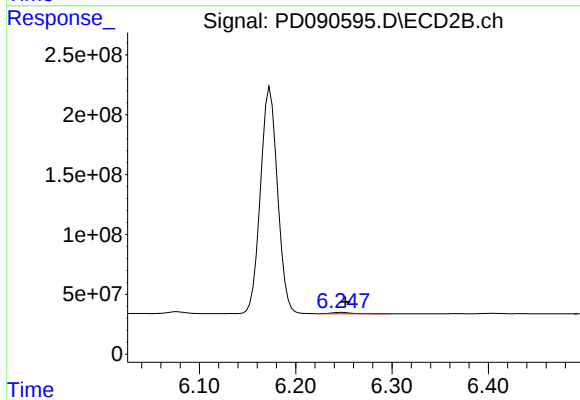
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.002 min
Response: 1372095
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

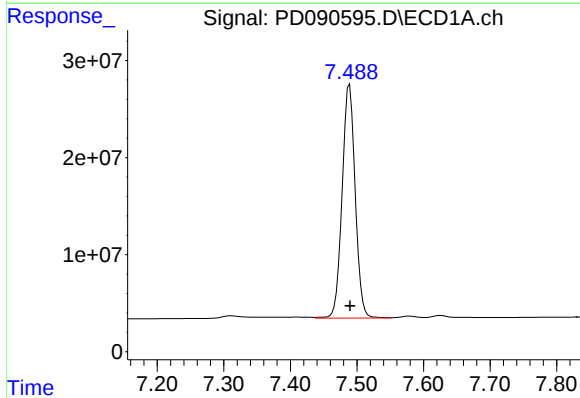
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



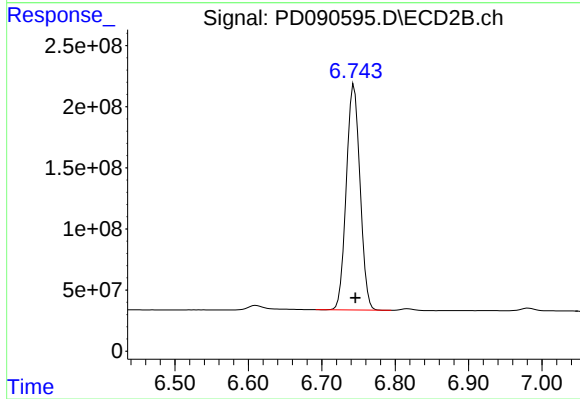
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.004 min
Response: 16466233
Conc: 0.70 ng/ml



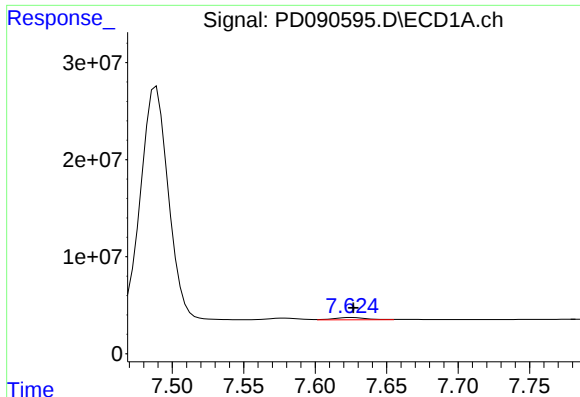
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 327934704
Conc: 139.16 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 2401933977
Conc: 138.04 ng/ml



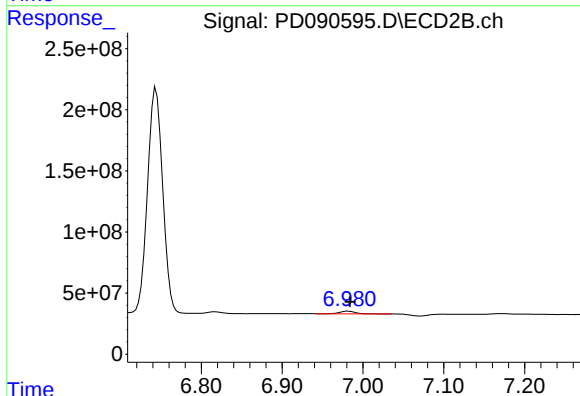
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 3719838
Conc: 0.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

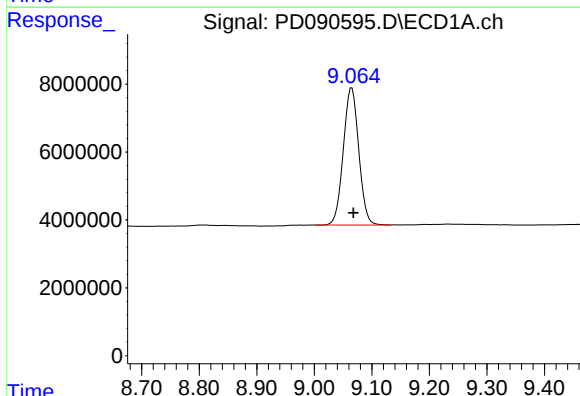
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



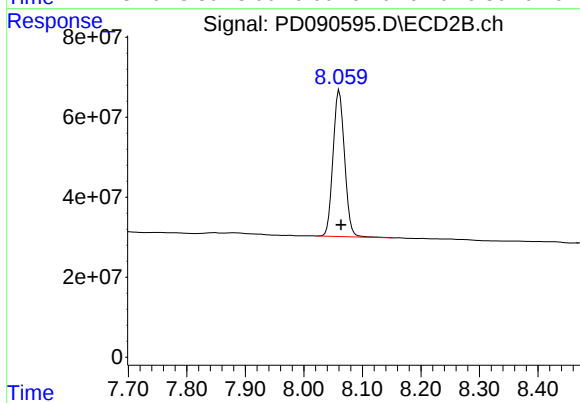
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.003 min
Response: 29227687
Conc: 0.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 75554782
Conc: 15.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 499775116
Conc: 15.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090329.D
Acq On : 18 Sep 2025 10:16
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Title : GC Extractables
Last Update : Fri Sep 19 05:52:38 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.546	5.941	100.00%
5.941	6.069	100.00%
6.069	6.191	100.00%
6.191	6.342	100.00%
6.342	7.145	100.00%
7.145	7.490	100.00%
7.490	7.626	100.00%
7.626	9.067	100.00%

Signal #2

2.876	5.118	100.00%
5.118	5.240	100.00%
5.240	5.367	100.00%
5.367	5.505	100.00%
5.505	6.475	100.00%
6.475	6.746	100.00%
6.746	6.984	100.00%
6.984	8.064	100.00%

PD091825.M Sat Oct 18 00:26:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090329.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:16
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 07:24:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	56131469	462.6E6	17.269	16.853
28)	SA Decachlor...	9.067	8.064	82073231	540.3E6	17.010	16.669
Target Compounds							
9)	A Endosulfan I	6.069	5.240	41607928	290.1E6	7.703	8.382
10)	B gamma-Chl...	5.941	5.118	45545398	339.0E6	7.974	8.628
12)	B 4,4'-DDE	6.191	5.367	82973515	662.6E6	15.933	17.309
13)	MA Dieldrin	6.342	5.505	90259358	659.2E6	15.657	16.927
19)	B Endosulfa...	7.145	6.475	74696040	555.2E6	16.237	16.985
20)	A Methoxychlor	7.490	6.746	179.1E6	1276.2E6	75.990	73.344
21)	B Endrin ke...	7.626	6.984	79569380	611.4E6	16.083	16.935

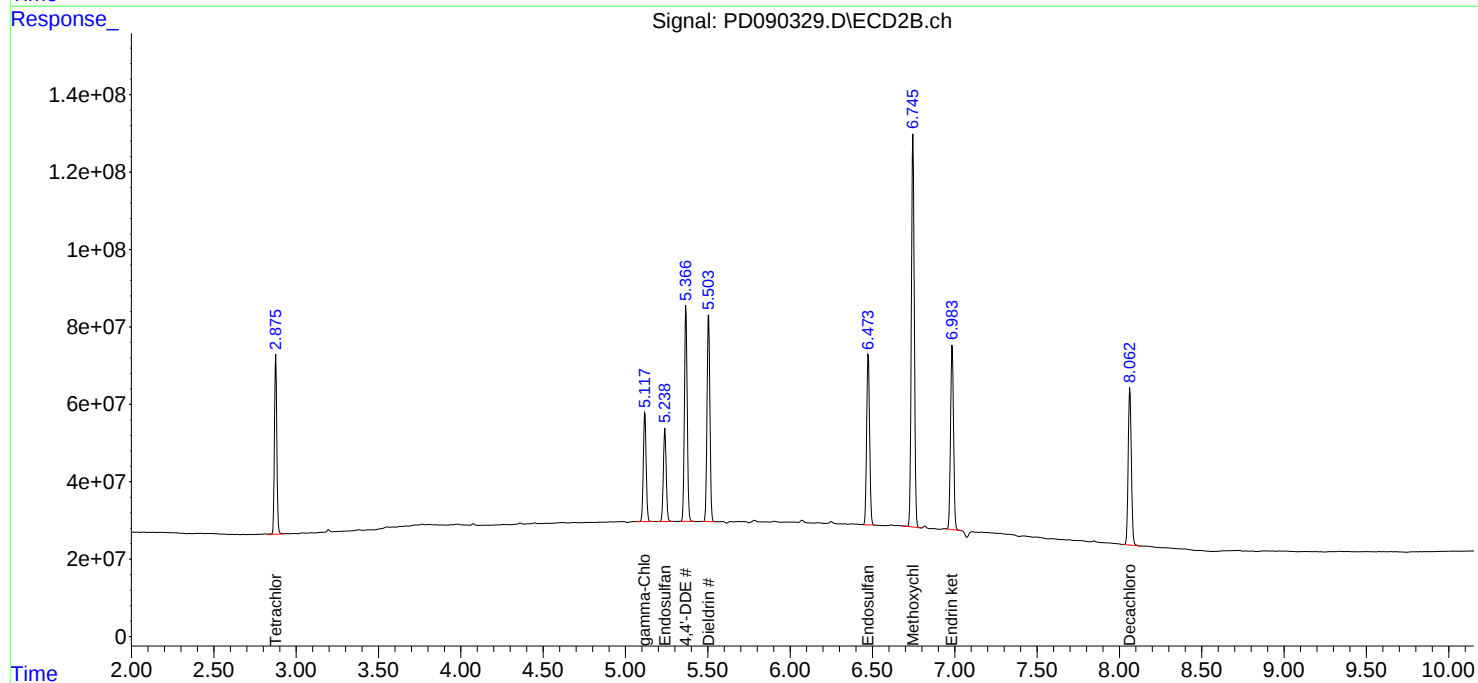
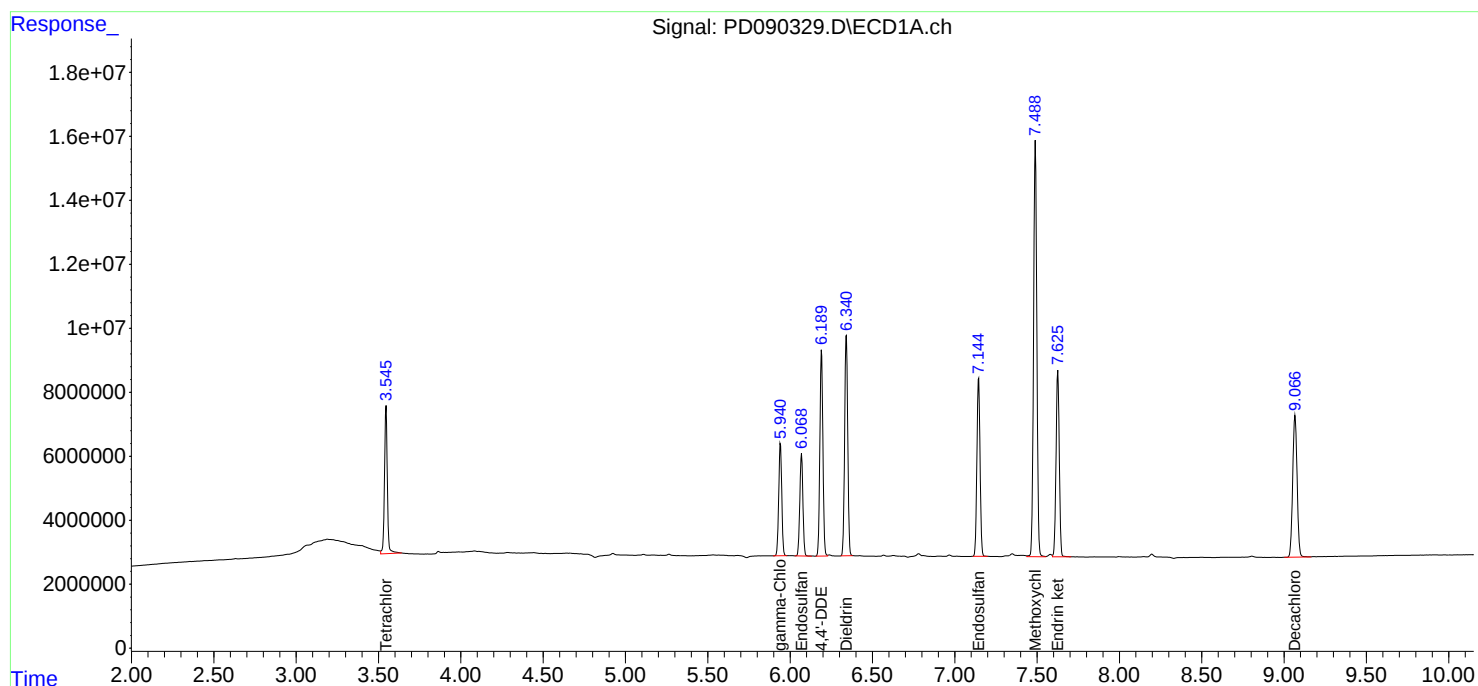
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

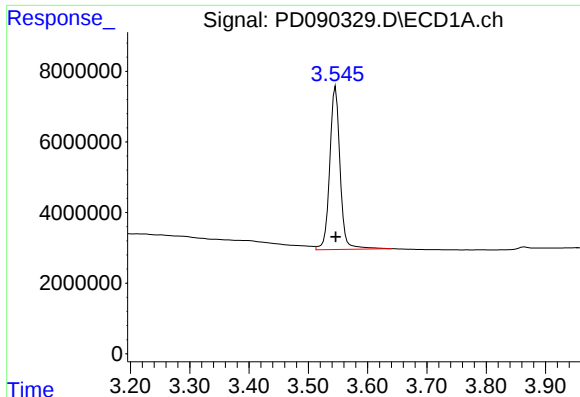
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 10:16
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 07:24:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

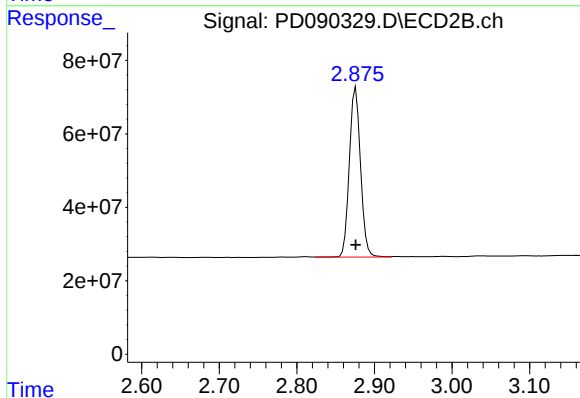




#1 Tetrachloro-m-xylene

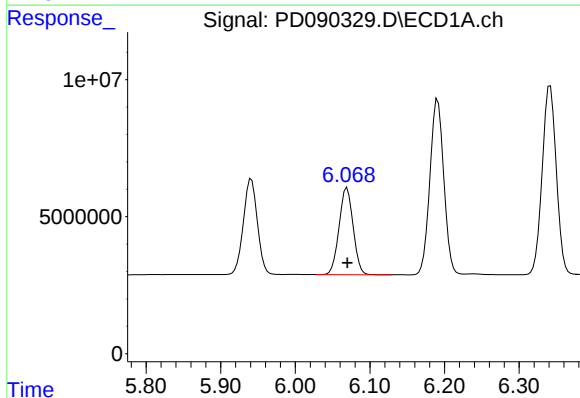
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 56131469
Conc: 17.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



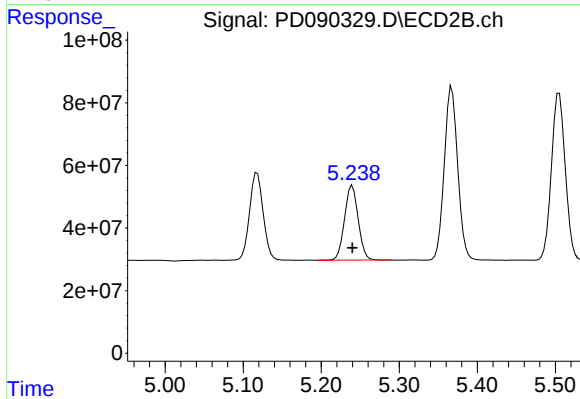
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 462609009
Conc: 16.85 ng/ml



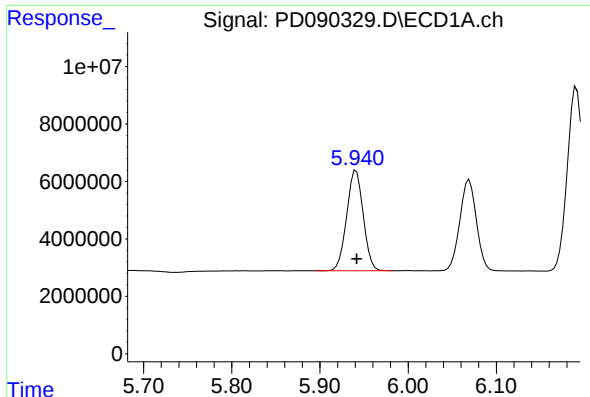
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 41607928
Conc: 7.70 ng/ml



#9 Endosulfan I

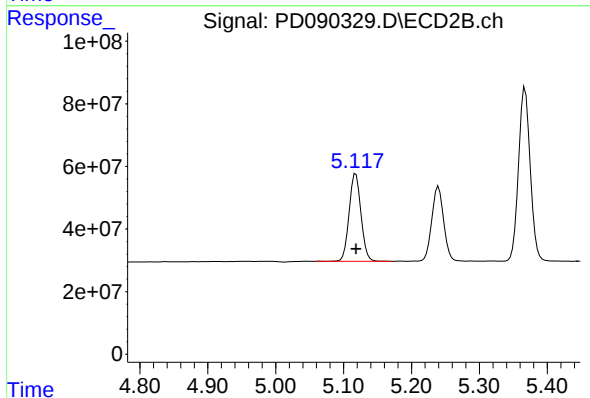
R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 290072869
Conc: 8.38 ng/ml



#10 gamma-Chlordane

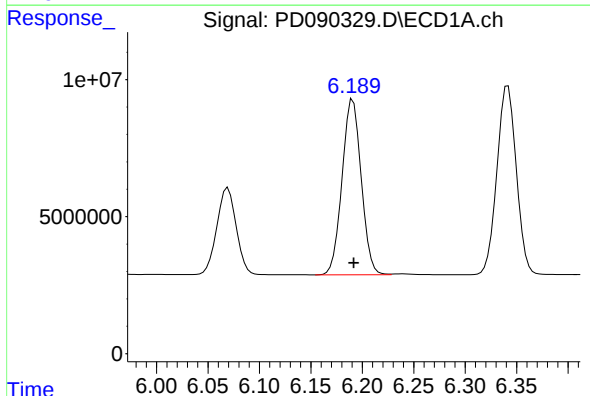
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 45545398
Conc: 7.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



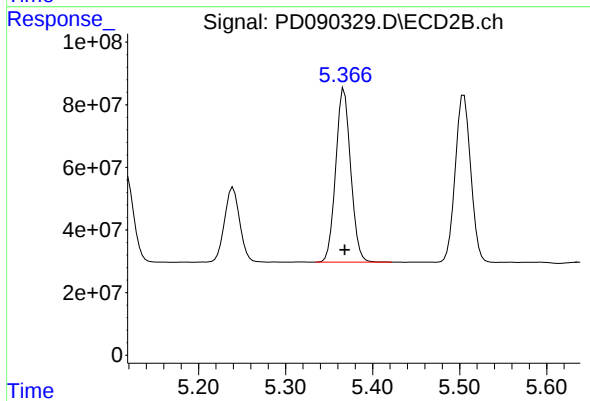
#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 338953641
Conc: 8.63 ng/ml



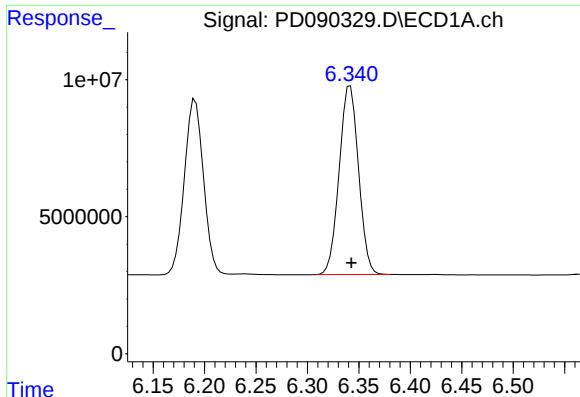
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 82973515
Conc: 15.93 ng/ml



#12 4,4'-DDE

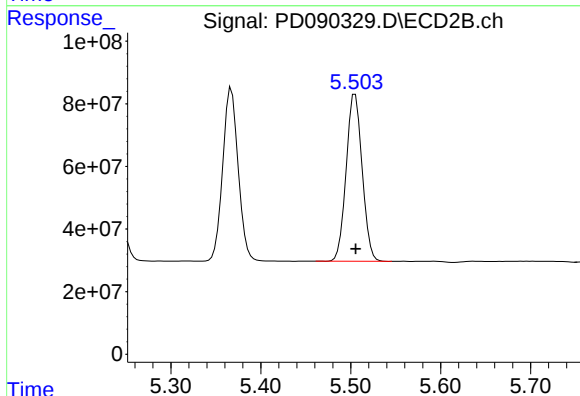
R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 662559267
Conc: 17.31 ng/ml



#13 Dieldrin

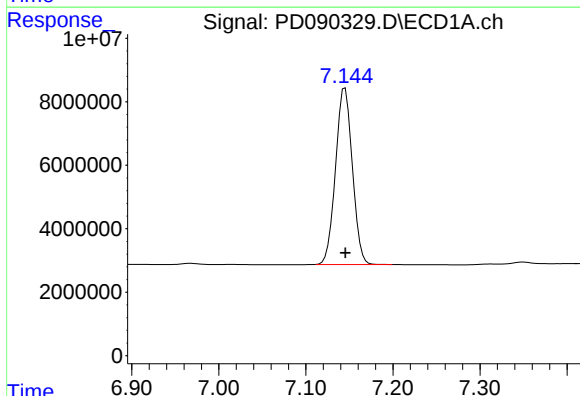
R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 90259358
Conc: 15.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



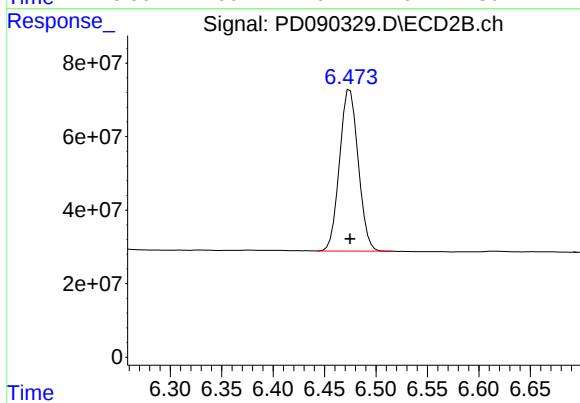
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: 0.000 min
Response: 659228898
Conc: 16.93 ng/ml



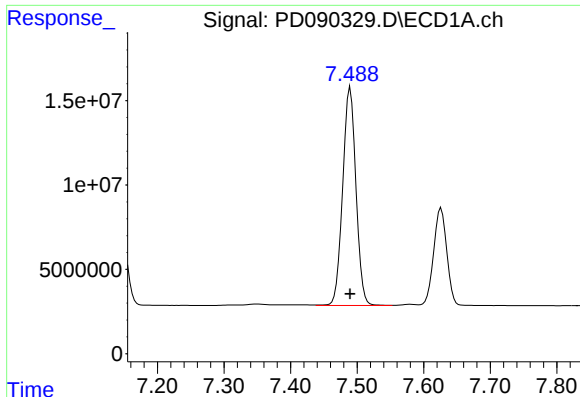
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 74696040
Conc: 16.24 ng/ml



#19 Endosulfan Sulfate

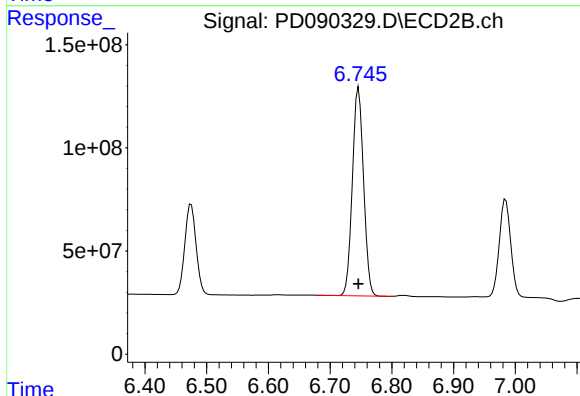
R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 555248089
Conc: 16.99 ng/ml



#20 Methoxychlor

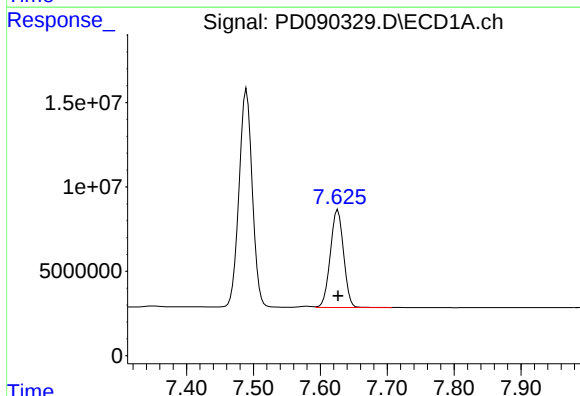
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 179071137
Conc: 75.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



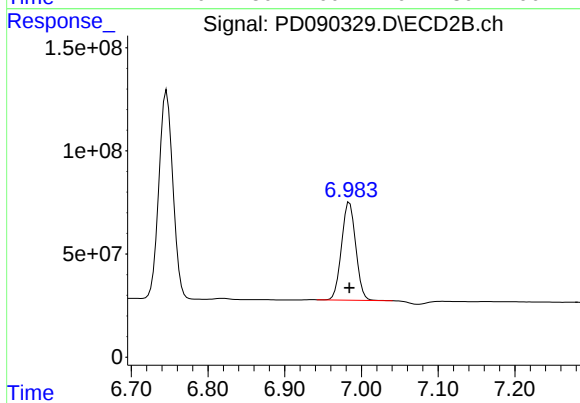
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1276213821
Conc: 73.34 ng/ml



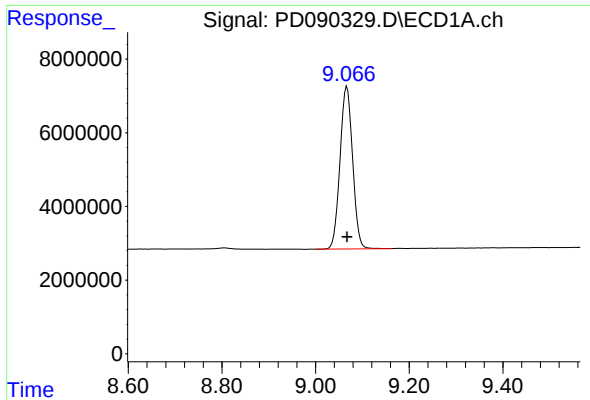
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 79569380
Conc: 16.08 ng/ml



#21 Endrin ketone

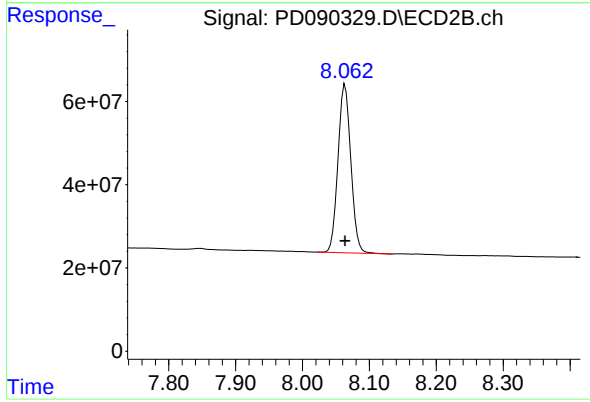
R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 611417336
Conc: 16.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 82073231
Conc: 17.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 540307328
Conc: 16.67 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/18/2025	09:49	PD090327.D	9.07	3.55
PEM	PEM	09/18/2025	10:03	PD090328.D	9.07	3.55
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	9.07	3.55
PSTDICCC100	PSTDICCC100	09/18/2025	10:30	PD090330.D	9.07	3.55
PSTDICCC075	PSTDICCC075	09/18/2025	10:43	PD090331.D	9.07	3.55
PSTDICCC050	PSTDICCC050	09/18/2025	10:57	PD090332.D	9.07	3.55
PSTDICCC025	PSTDICCC025	09/18/2025	11:11	PD090333.D	9.07	3.55
PSTDICCC005	PSTDICCC005	09/18/2025	11:24	PD090334.D	9.07	3.55
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	9.07	3.55
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	9.07	3.55
PEM	PEM	10/14/2025	10:40	PD090572.D	9.07	3.54
IBLK	IBLK	10/14/2025	13:48	PD090583.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/14/2025	14:59	PD090584.D	9.07	3.55
PB170091BL	PB170091BL	10/14/2025	16:56	PD090585.D	9.08	3.55
PB170062TB	PB170062TB	10/14/2025	17:23	PD090587.D	9.07	3.55
P001-DS-01	Q3321-02	10/14/2025	17:37	PD090588.D	9.07	3.55
P001-DS-01MS	Q3321-02MS	10/14/2025	17:51	PD090589.D	9.06	3.55
P001-DS-01MSD	Q3321-02MSD	10/14/2025	18:04	PD090590.D	9.06	3.55
IBLK	IBLK	10/14/2025	18:18	PD090591.D	9.06	3.55
PSTDCCC050	PSTDCCC050	10/14/2025	18:32	PD090592.D	9.06	3.55
IBLK	IBLK	10/15/2025	09:19	PD090594.D	9.07	3.55
PEM	PEM	10/15/2025	09:33	PD090595.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	09:46	PD090596.D	9.07	3.55
PB170091BS	PB170091BS	10/15/2025	11:47	PD090597.D	9.08	3.55
IBLK	IBLK	10/15/2025	15:13	PD090607.D	9.07	3.55
PSTDCCC050	PSTDCCC050	10/15/2025	16:33	PD090608.D	9.07	3.55

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q3321

Project: RFP 918

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/18/2025 09/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/18/2025	09:49	PD090327.D	8.06	2.88
PEM	PEM	09/18/2025	10:03	PD090328.D	8.06	2.88
RESCHK	RESCHK	09/18/2025	10:16	PD090329.D	8.06	2.88
PSTDICCC100	PSTDICCC100	09/18/2025	10:30	PD090330.D	8.06	2.88
PSTDICCC075	PSTDICCC075	09/18/2025	10:43	PD090331.D	8.06	2.88
PSTDICCC050	PSTDICCC050	09/18/2025	10:57	PD090332.D	8.06	2.88
PSTDICCC025	PSTDICCC025	09/18/2025	11:11	PD090333.D	8.06	2.88
PSTDICCC005	PSTDICCC005	09/18/2025	11:24	PD090334.D	8.06	2.88
PCHLORICC500	PCHLORICC500	09/18/2025	12:05	PD090337.D	8.06	2.88
PTOXICC500	PTOXICC500	09/18/2025	13:12	PD090342.D	8.06	2.88
PEM	PEM	10/14/2025	10:40	PD090572.D	8.06	2.87
IBLK	IBLK	10/14/2025	13:48	PD090583.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/14/2025	14:59	PD090584.D	8.06	2.88
PB170091BL	PB170091BL	10/14/2025	16:56	PD090585.D	8.06	2.87
PB170062TB	PB170062TB	10/14/2025	17:23	PD090587.D	8.06	2.88
P001-DS-01	Q3321-02	10/14/2025	17:37	PD090588.D	8.06	2.88
P001-DS-01MS	Q3321-02MS	10/14/2025	17:51	PD090589.D	8.06	2.88
P001-DS-01MSD	Q3321-02MSD	10/14/2025	18:04	PD090590.D	8.06	2.88
IBLK	IBLK	10/14/2025	18:18	PD090591.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/14/2025	18:32	PD090592.D	8.06	2.88
IBLK	IBLK	10/15/2025	09:19	PD090594.D	8.06	2.87
PEM	PEM	10/15/2025	09:33	PD090595.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/15/2025	09:46	PD090596.D	8.06	2.88
PB170091BS	PB170091BS	10/15/2025	11:47	PD090597.D	8.06	2.87
IBLK	IBLK	10/15/2025	15:13	PD090607.D	8.06	2.88
PSTDCCC050	PSTDCCC050	10/15/2025	16:33	PD090608.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-DS-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3321-02MS

Date(s) Analyzed: 10/14/2025 10/14/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	7.49	7.44	7.54	4.00	2.5
	2	6.75	6.70	6.80	4.10	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.00	0
	2	3.72	3.67	3.77	5.00	
Heptachlor	1	4.92	4.87	4.97	4.10	9.3
	2	4.08	4.03	4.13	4.50	
Heptachlor epoxide	1	5.69	5.64	5.74	4.80	4.1
	2	4.86	4.81	4.91	5.00	
Endrin	1	6.57	6.52	6.62	4.80	2.1
	2	5.78	5.73	5.83	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-DS-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: Q3321-02MSD

Date(s) Analyzed: 10/14/2025 10/14/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	7.49	7.44	7.54	3.90	2.5
	2	6.75	6.70	6.80	4.00	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.90	0
	2	3.72	3.67	3.77	4.90	
Heptachlor	1	4.92	4.87	4.97	4.00	9.5
	2	4.08	4.03	4.13	4.40	
Heptachlor epoxide	1	5.68	5.63	5.73	4.70	4.2
	2	4.86	4.81	4.91	4.90	
Endrin	1	6.57	6.52	6.62	4.70	4.2
	2	5.78	5.73	5.83	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170091BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab Sample ID: PB170091BS

Date(s) Analyzed: 10/15/2025 10/15/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.41	5.2
	2	6.75	6.70	6.80	0.43	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.55	2.1
	2	3.72	3.67	3.77	0.56	
Heptachlor	1	4.93	4.88	4.98	0.47	4.9
	2	4.07	4.02	4.12	0.50	
Heptachlor epoxide	1	5.69	5.64	5.74	0.54	3.2
	2	4.86	4.81	4.91	0.55	
Endrin	1	6.58	6.53	6.63	0.54	3.3
	2	5.78	5.73	5.83	0.56	



QC SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170091BL		SDG No.:	Q3321
Lab Sample ID:	PB170091BL		Matrix:	TCLP
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:	3510C	Prep Date	10/14/25	TCLP Pesticide

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/14/25 16:56	PB170091
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/14/25 16:56	PB170091
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/14/25 16:56	PB170091
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/14/25 16:56	PB170091
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/14/25 16:56	PB170091
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/14/25 16:56	PB170091
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/14/25 16:56	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.8			57 - 171	89%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.9			61 - 148	95%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101425\
Data File : PD090585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 16:56
Operator : AR\AJ
Sample : PB170091BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.552	2.873	55998703	518.7E6	17.228	18.898
28) SA Decachlor...	9.076	8.063	85934500	548.7E6	17.810	16.929

Target Compounds

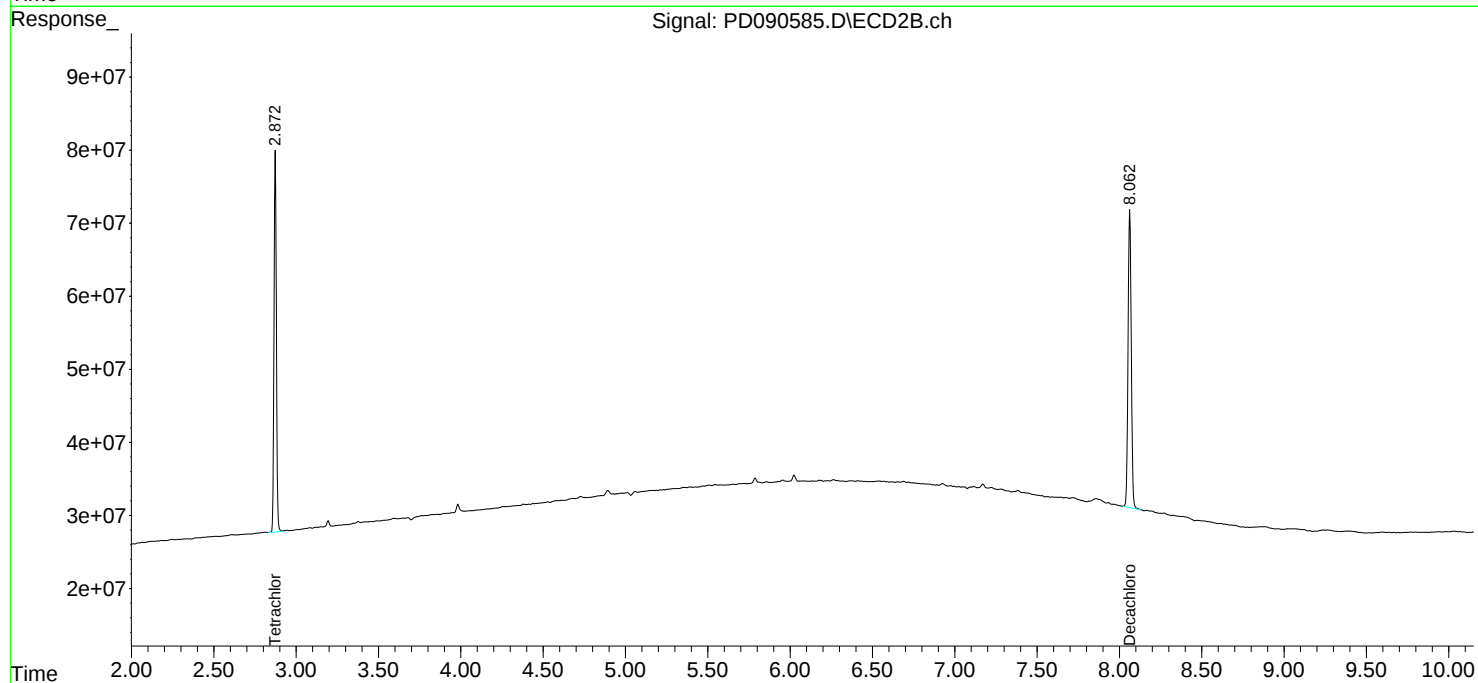
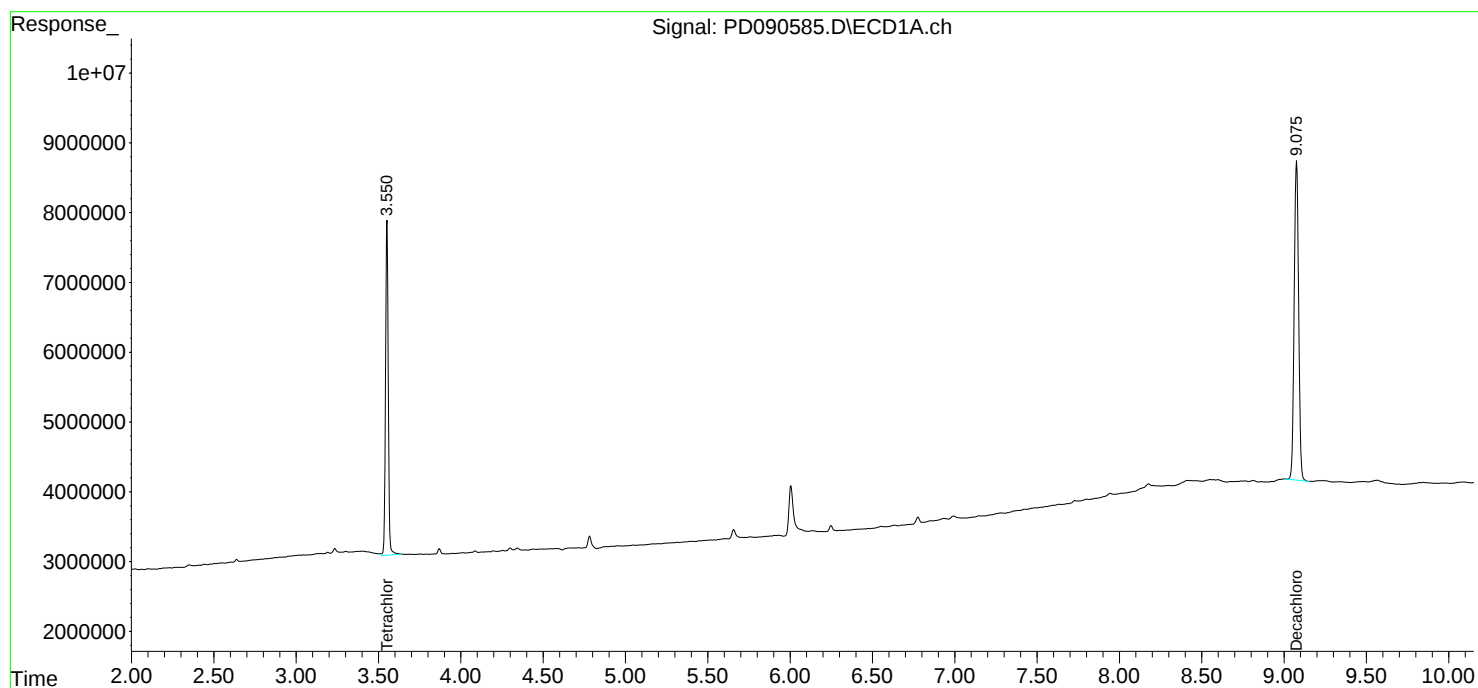
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

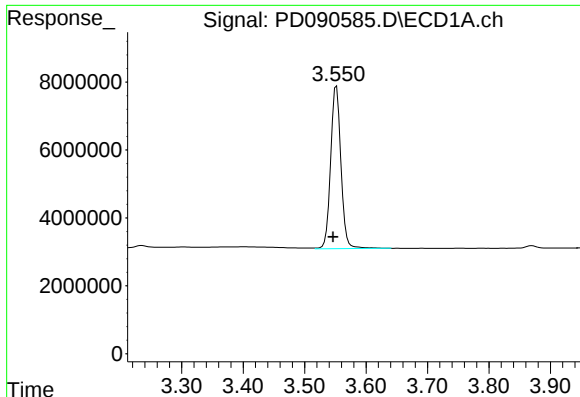
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 16:56
Operator : AR\AJ
Sample : PB170091BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

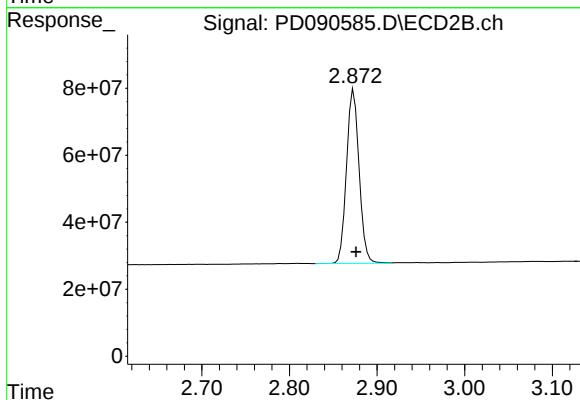




#1 Tetrachloro-m-xylene

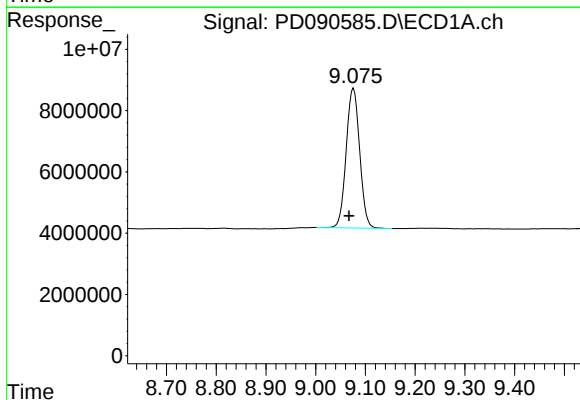
R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 55998703
Conc: 17.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BL



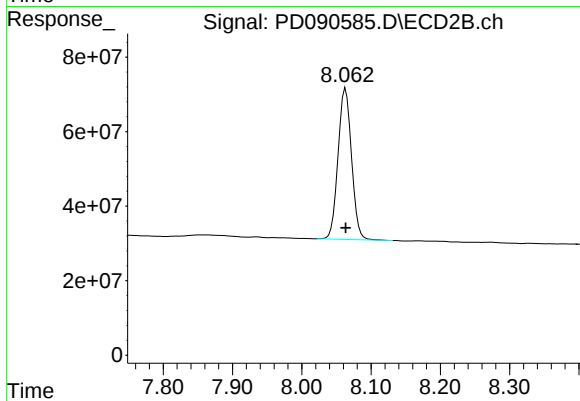
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.003 min
Response: 518736203
Conc: 18.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.009 min
Response: 85934500
Conc: 17.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 548735957
Conc: 16.93 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 09/18/25	
Project: RFP 918	Date Received: 09/18/25	
Client Sample ID: PIBLK-PD090327.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PD090327.D	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: TCLP Pesticide
Prep Method: 3510C	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	09/18/25	pd091825
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	09/18/25	pd091825
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	09/18/25	pd091825
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	09/18/25	pd091825
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	09/18/25	pd091825
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	09/18/25	pd091825
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	09/18/25	pd091825
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.6			57 - 171	88%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.9			61 - 148	85%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.546	2.876	53680424	464.5E6	16.515	16.922
28) SA Decachlor...	9.067	8.063	84762935	556.2E6	17.567	17.160

Target Compounds

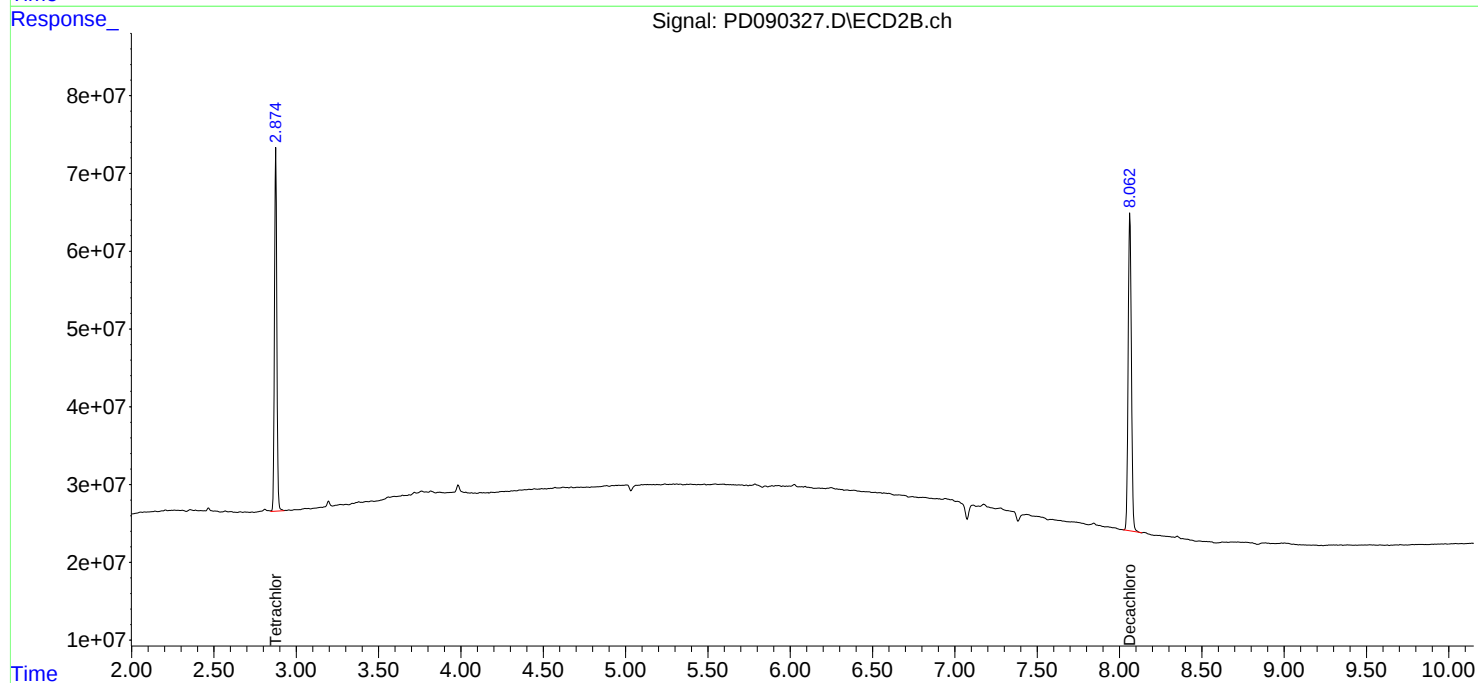
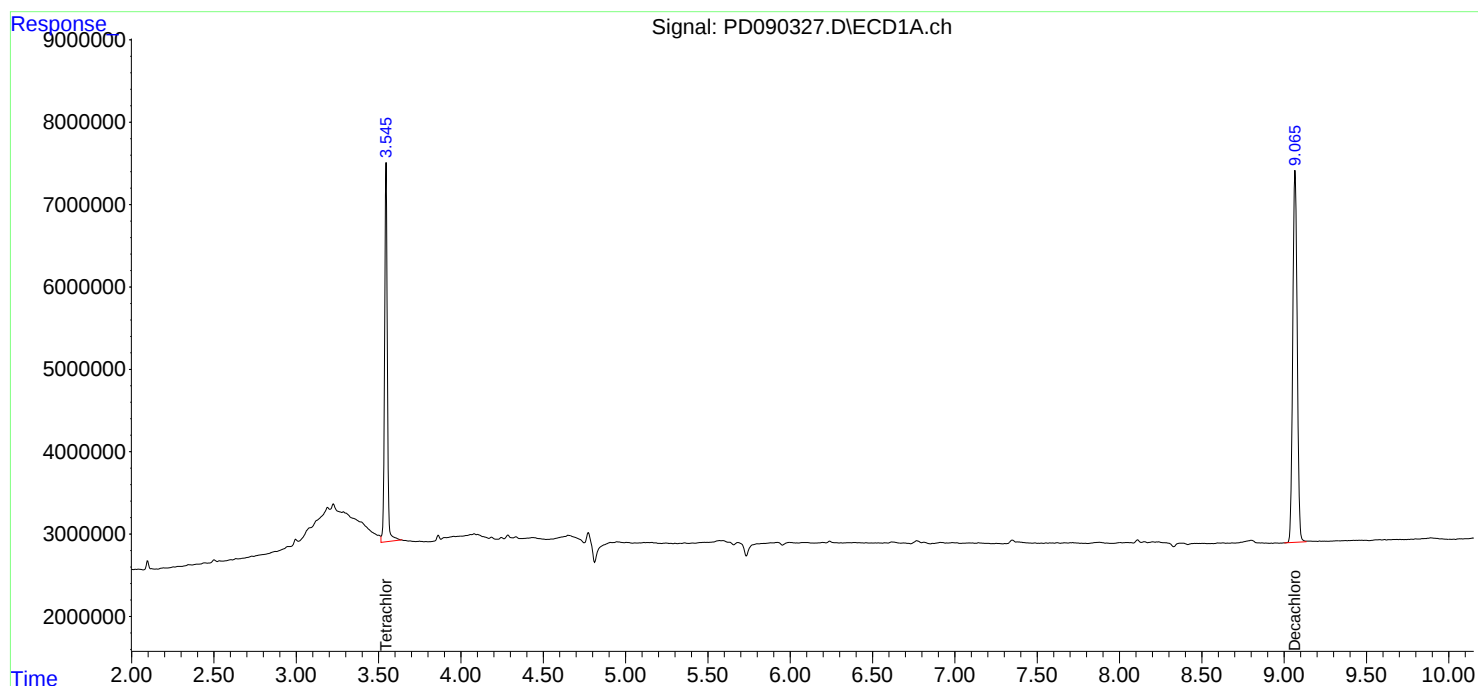
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

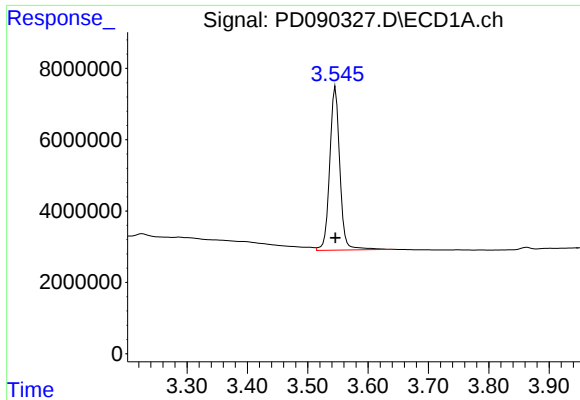
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
Data File : PD090327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Sep 2025 09:49
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 19 05:53:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

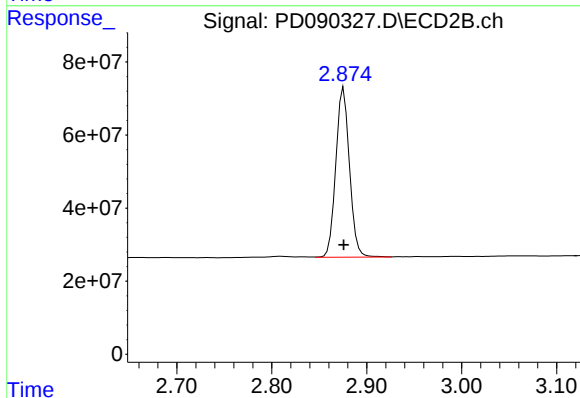




#1 Tetrachloro-m-xylene

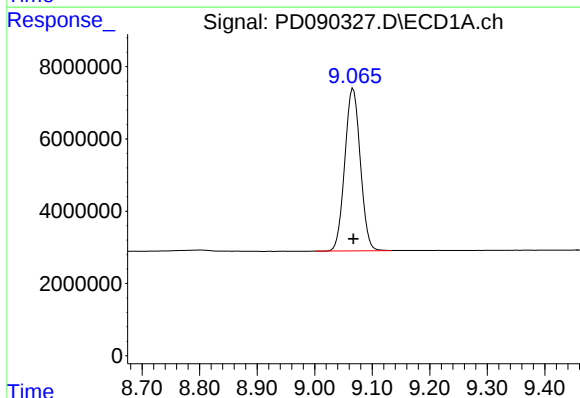
R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 53680424
Conc: 16.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



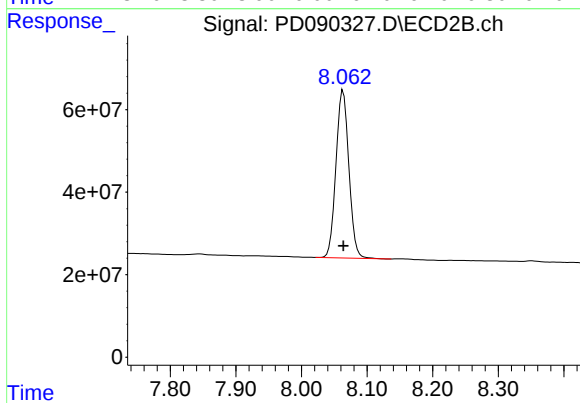
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 464498064
Conc: 16.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 84762935
Conc: 17.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 556238349
Conc: 17.16 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/14/25	
Project: RFP 918	Date Received: 10/14/25	
Client Sample ID: PIBLK-PD090583.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PD090583.D	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: TCLP Pesticide
Prep Method: 3510C	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/14/25	PD101425
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/14/25	PD101425
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/14/25	PD101425
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/14/25	PD101425
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/14/25	PD101425
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/14/25	PD101425
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/14/25	PD101425
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.2			57 - 171	81%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.4			61 - 148	92%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101425\
Data File : PD090583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 13:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.549	2.874	54075004	504.4E6	16.636	18.375
28)	SA Decachlor...	9.069	8.063	78242580	468.8E6	16.216	14.461

Target Compounds

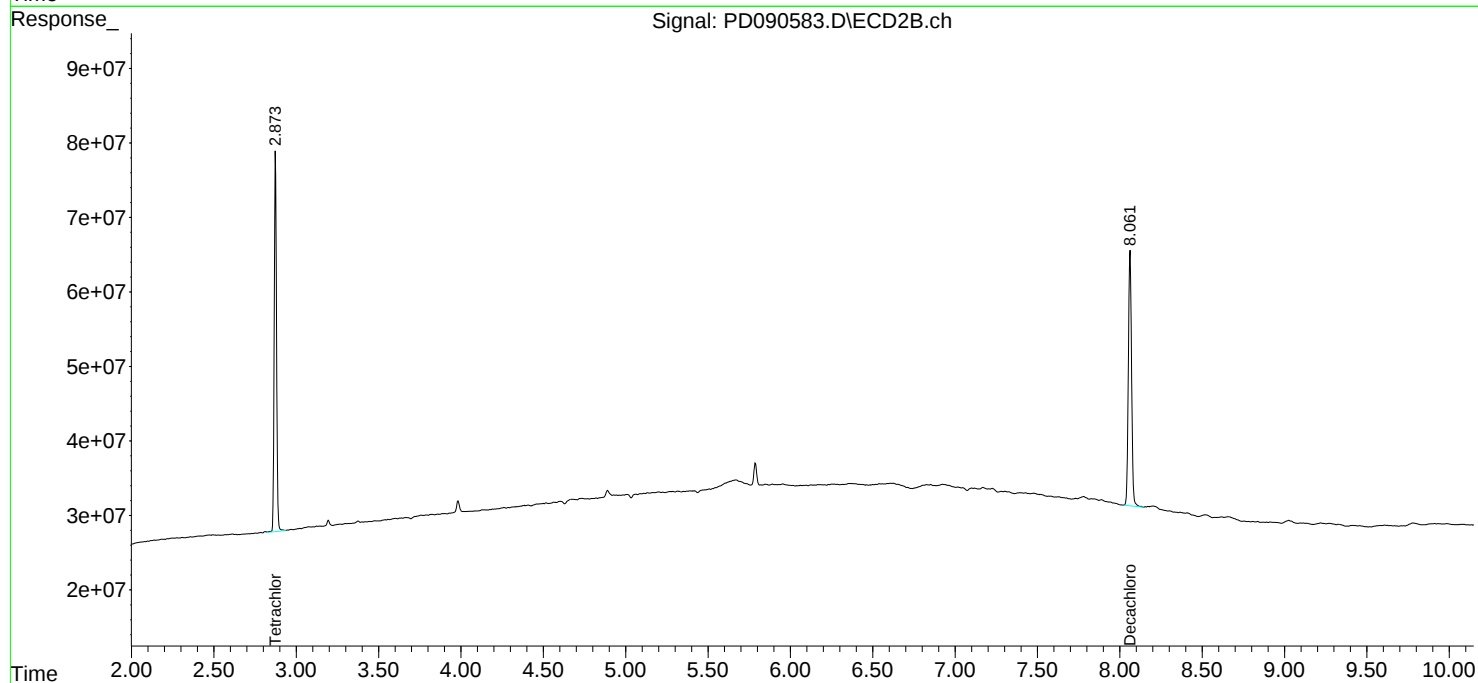
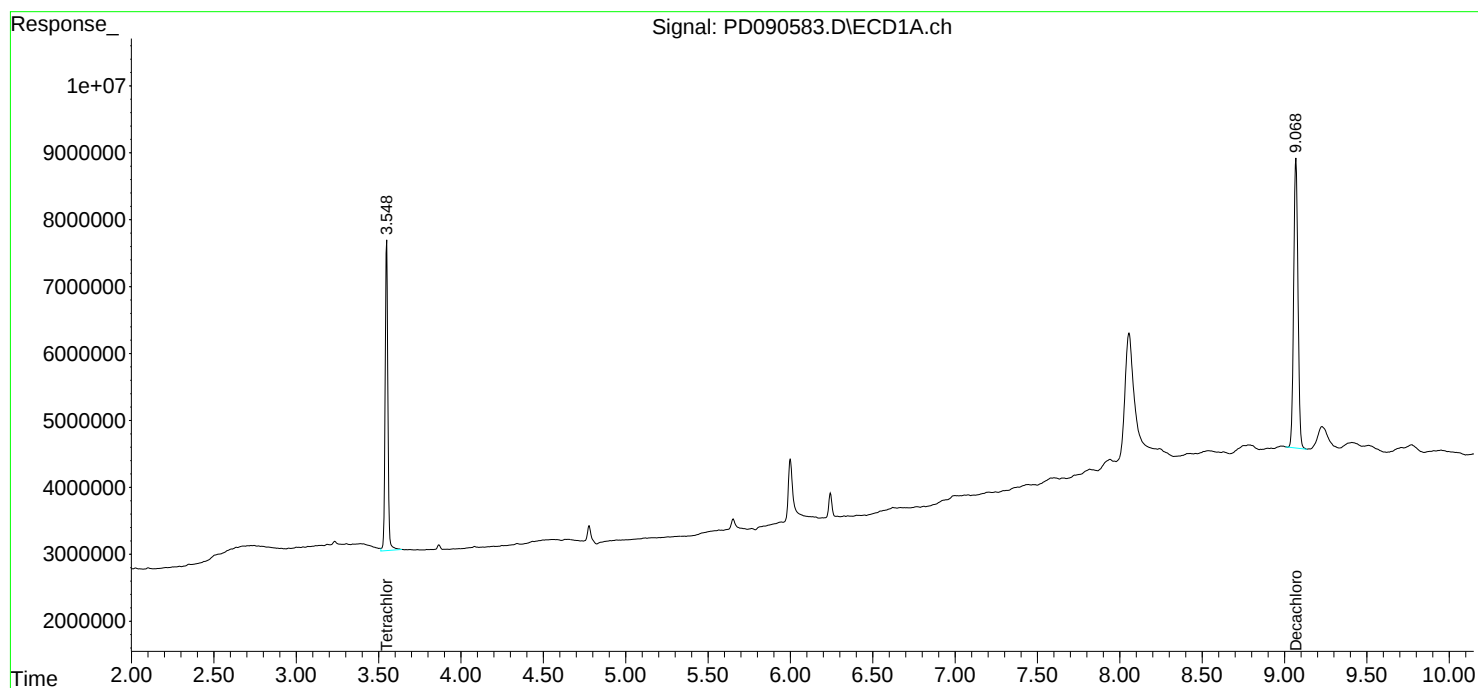
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

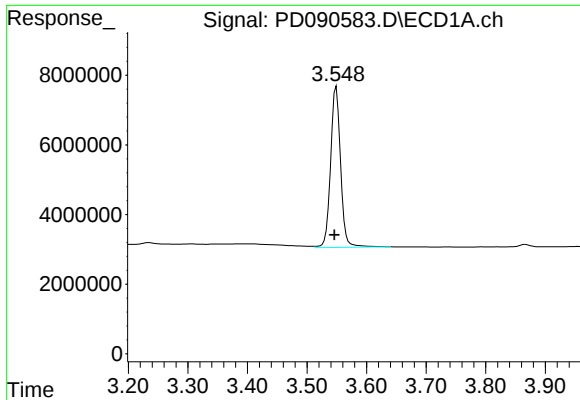
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 13:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:39:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

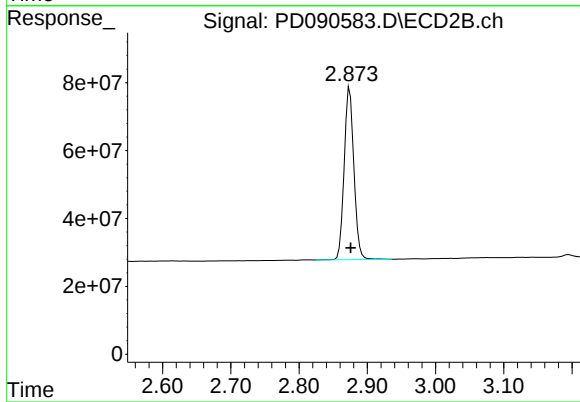




#1 Tetrachloro-m-xylene

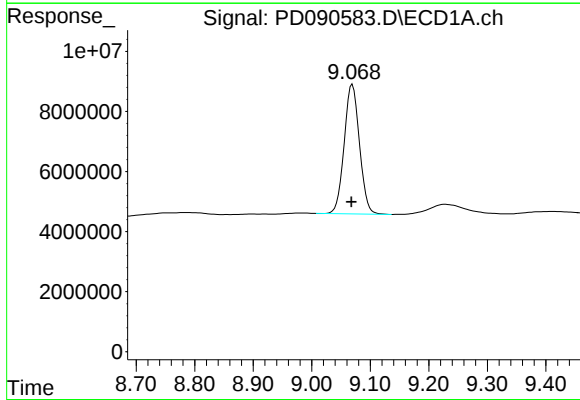
R.T.: 3.549 min
Delta R.T.: 0.003 min
Response: 54075004
Conc: 16.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



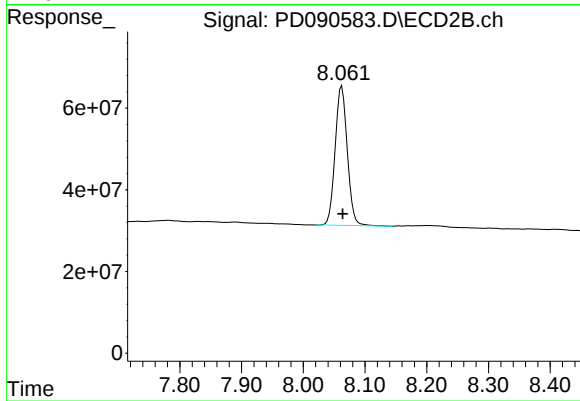
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 504397949
Conc: 18.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.002 min
Response: 78242580
Conc: 16.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 468765214
Conc: 14.46 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/14/25	
Project: RFP 918	Date Received: 10/14/25	
Client Sample ID: PIBLK-PD090591.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PD090591.D	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: TCLP Pesticide	Final Vol: 10000 uL
Prep Method: 3510C		Prep Date

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/14/25	PD101425
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/14/25	PD101425
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/14/25	PD101425
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/14/25	PD101425
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/14/25	PD101425
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/14/25	PD101425
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/14/25	PD101425
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.5			57 - 171	83%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.5			61 - 148	88%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101425\
Data File : PD090591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 18:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 08:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	53011479	480.7E6	16.309	17.513
28)	SA Decachlor...	9.064	8.061	79745303	511.2E6	16.527	15.770

Target Compounds

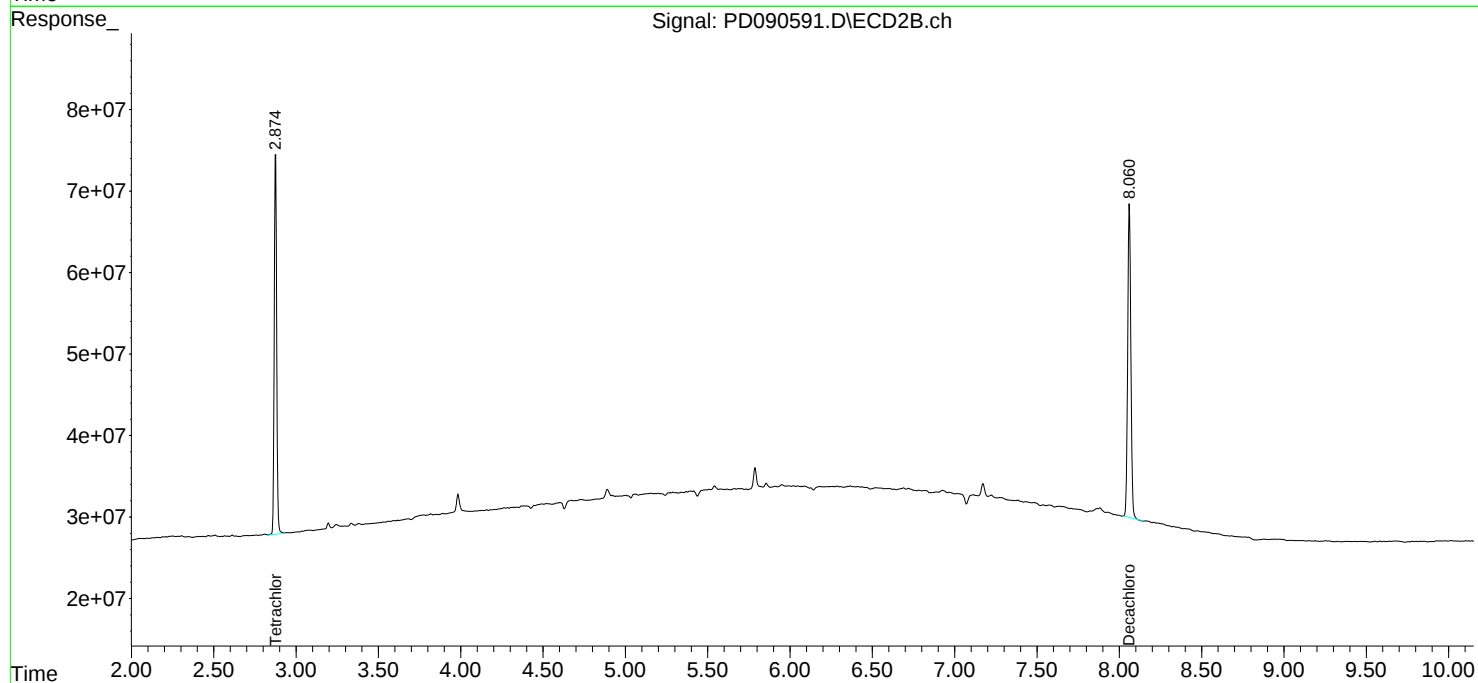
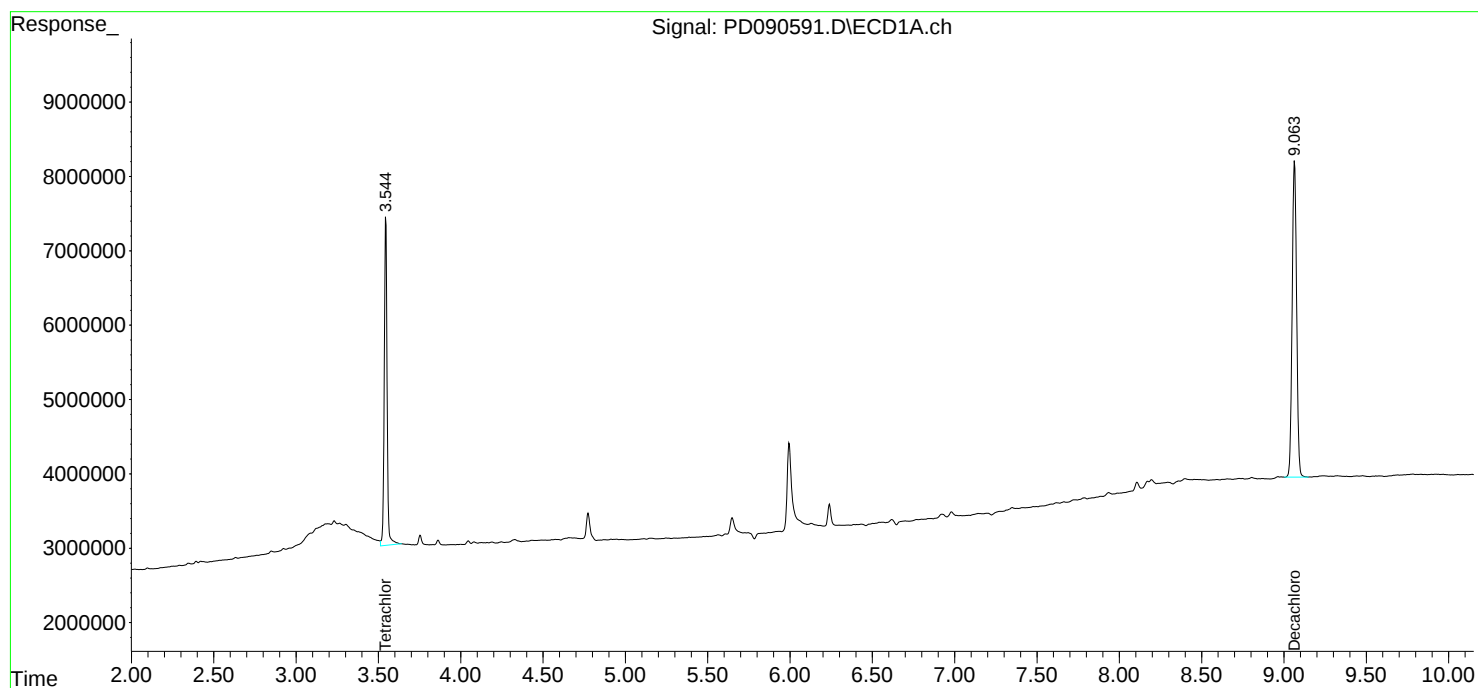
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

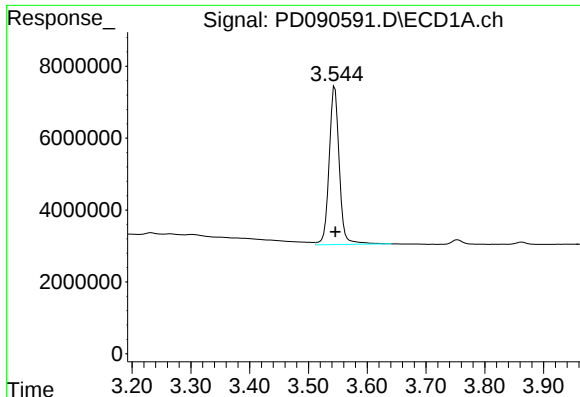
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 18:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 08:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

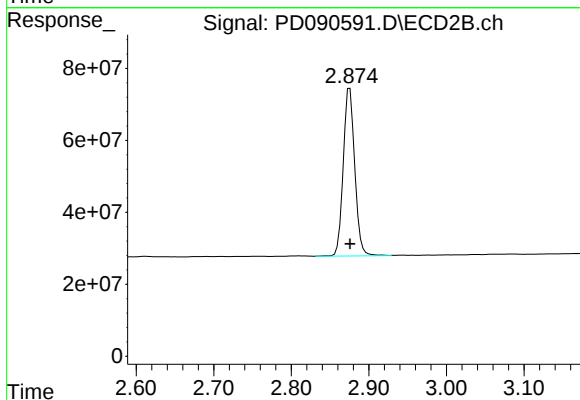




#1 Tetrachloro-m-xylene

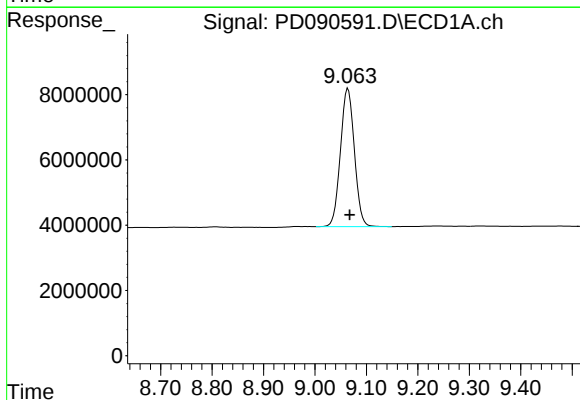
R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 53011479
Conc: 16.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



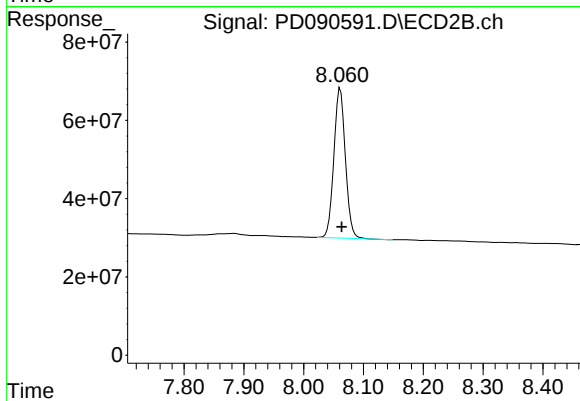
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 480723149
Conc: 17.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 79745303
Conc: 16.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 511193779
Conc: 15.77 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/15/25	
Project: RFP 918	Date Received: 10/15/25	
Client Sample ID: PIBLK-PD090594.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PD090594.D	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: TCLP Pesticide
Prep Method: 3510C	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/15/25	pd101525
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/15/25	pd101525
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/15/25	pd101525
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/15/25	pd101525
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/15/25	pd101525
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			57 - 171	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.8			61 - 148	94%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101525\
Data File : PD090594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 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...	3.545	2.874	55761069	514.8E6	17.155	18.755
28)	SA Decachlor...	9.065	8.061	82334559	535.6E6	17.064	16.523

Target Compounds

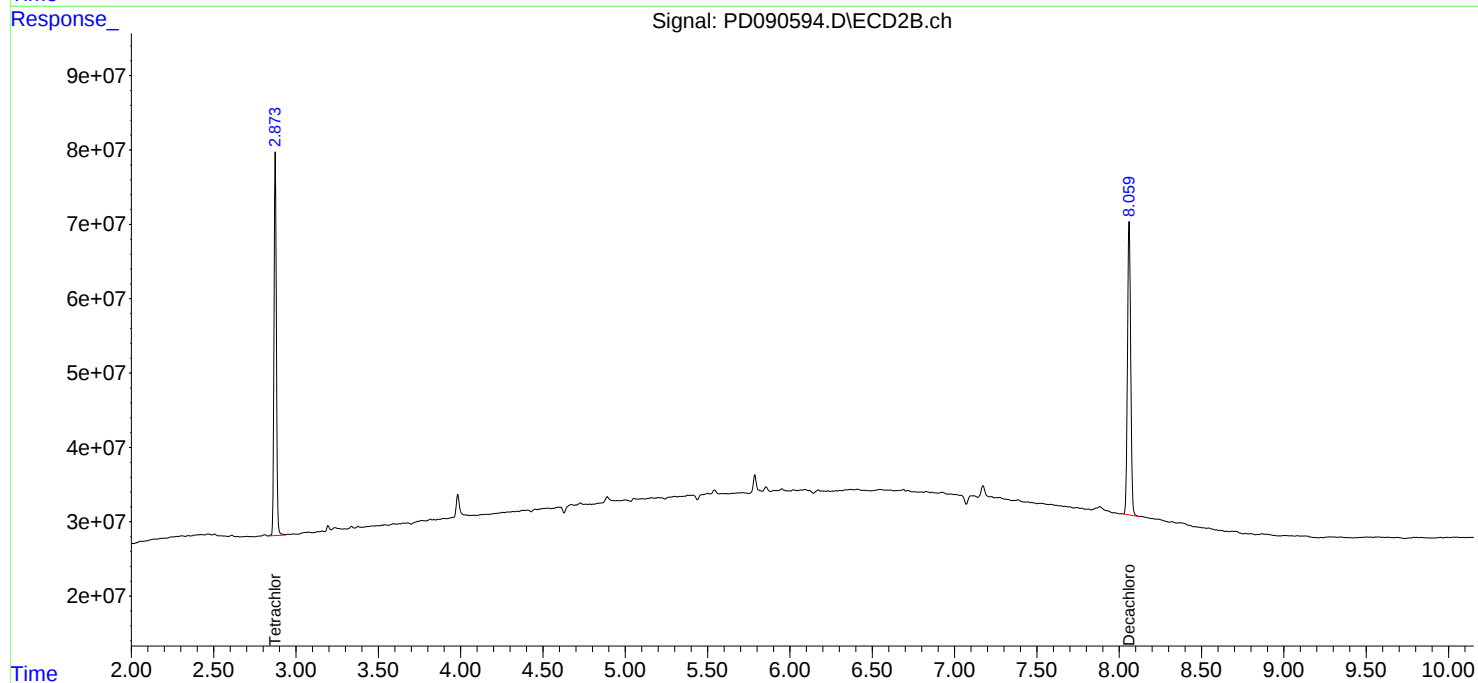
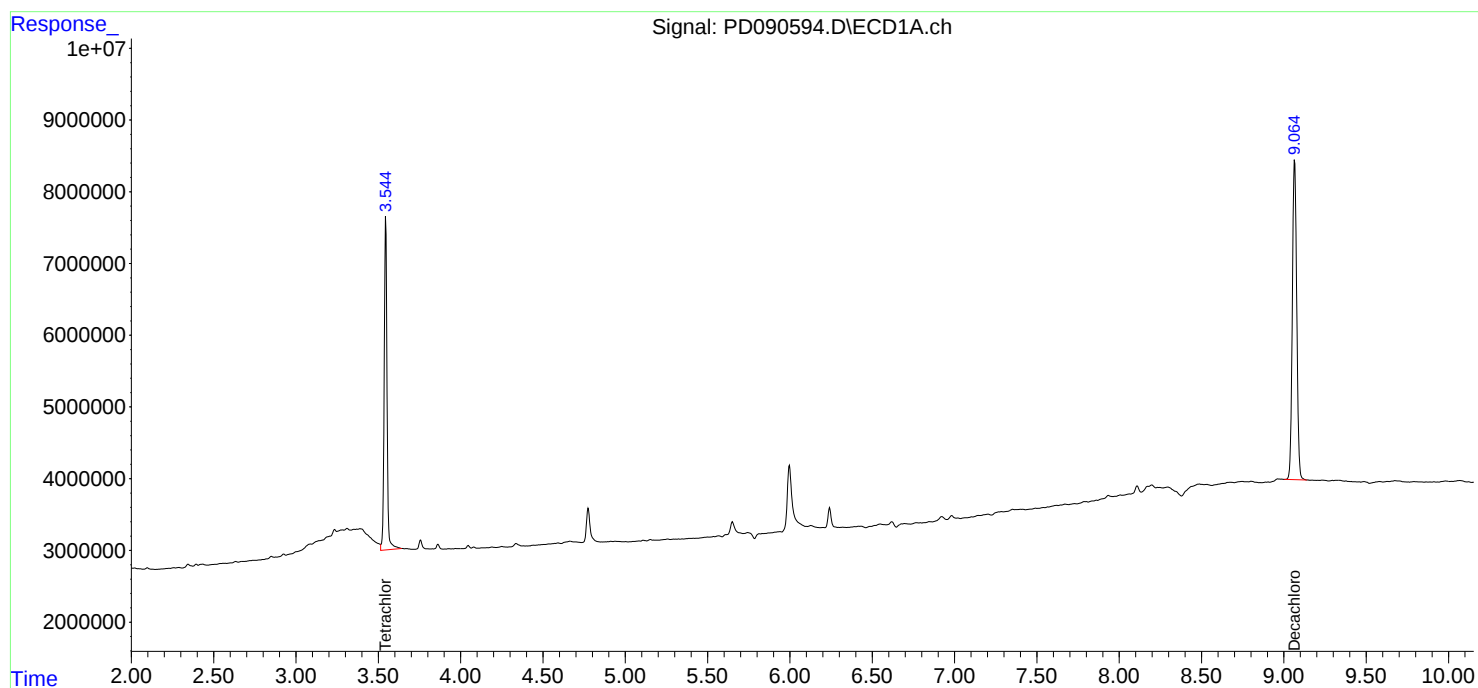
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

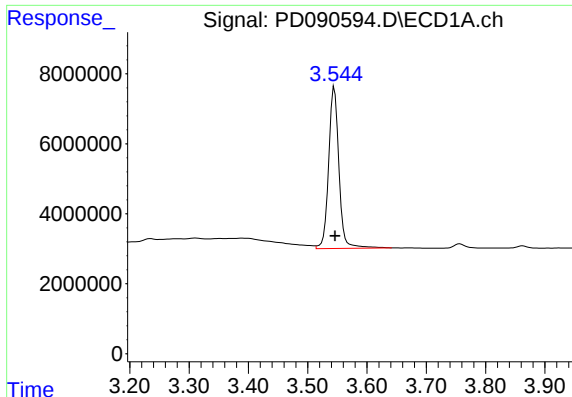
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 09:19
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:08:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

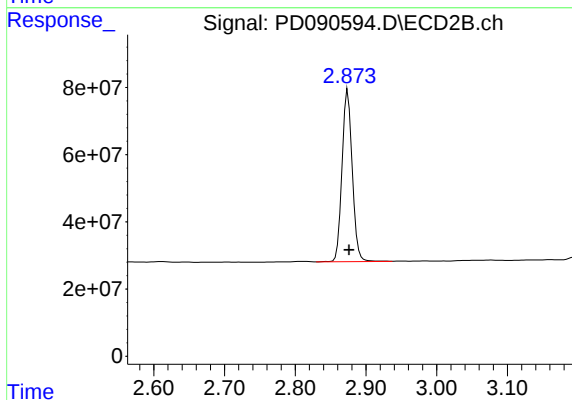




#1 Tetrachloro-m-xylene

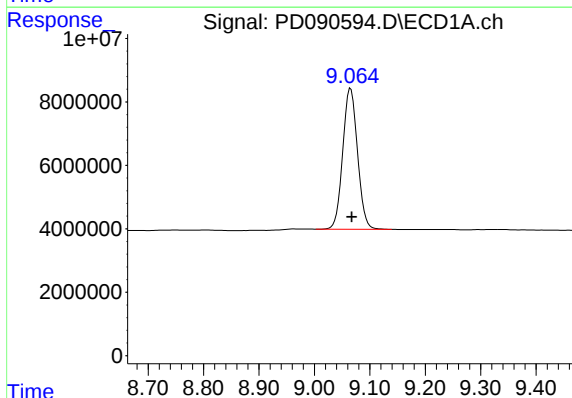
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 55761069
Conc: 17.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



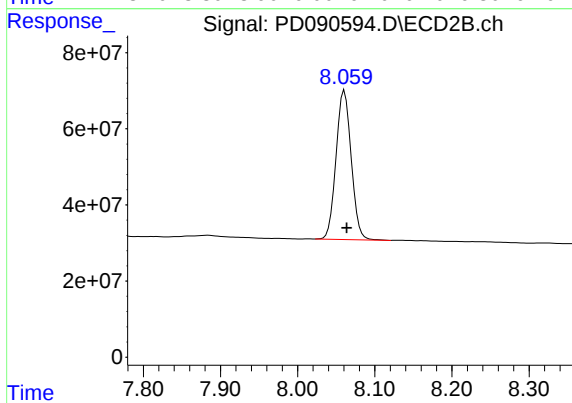
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 514813033
Conc: 18.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 82334559
Conc: 17.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 535590173
Conc: 16.52 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/15/25	
Project: RFP 918	Date Received: 10/15/25	
Client Sample ID: PIBLK-PD090607.D	SDG No.: Q3321	
Lab Sample ID: I.BLK-PD090607.D	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 1000 mL	Final Vol: 10000 uL	Test: TCLP Pesticide
Prep Method: 3510C	Prep Date	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.0037	U	1	0.0037	0.050	ug/L	10/15/25	pd101525
76-44-8	Heptachlor	0.0027	U	1	0.0027	0.050	ug/L	10/15/25	pd101525
1024-57-3	Heptachlor epoxide	0.0096	U	1	0.0096	0.050	ug/L	10/15/25	pd101525
72-20-8	Endrin	0.0032	U	1	0.0032	0.050	ug/L	10/15/25	pd101525
72-43-5	Methoxychlor	0.011	U	1	0.011	0.050	ug/L	10/15/25	pd101525
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/15/25	pd101525
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/15/25	pd101525
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.8			57 - 171	104%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.2			61 - 148	106%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101525\
Data File : PD090607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 15:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 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...	3.545	2.875	60220119	582.9E6	18.527	21.233
28)	SA Decachlor...	9.067	8.063	100.6E6	509.9E6	20.839	15.731

Target Compounds

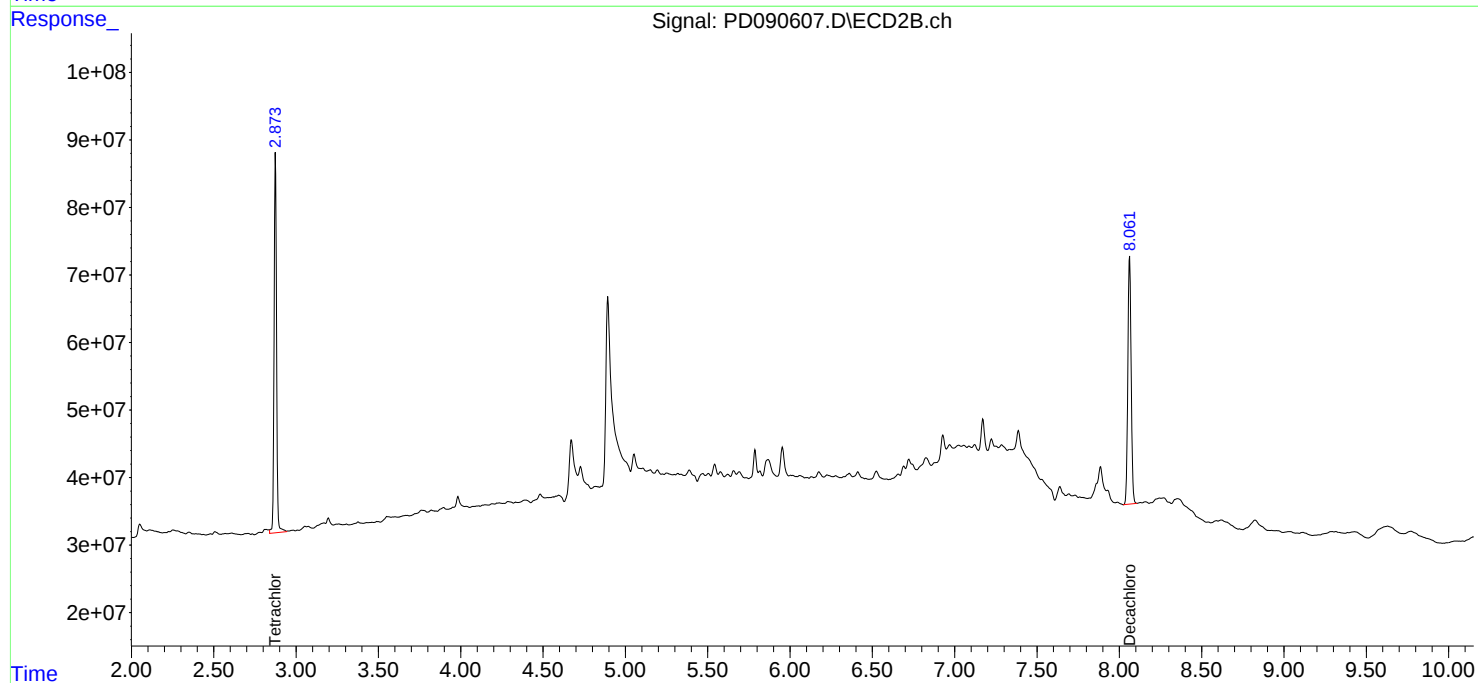
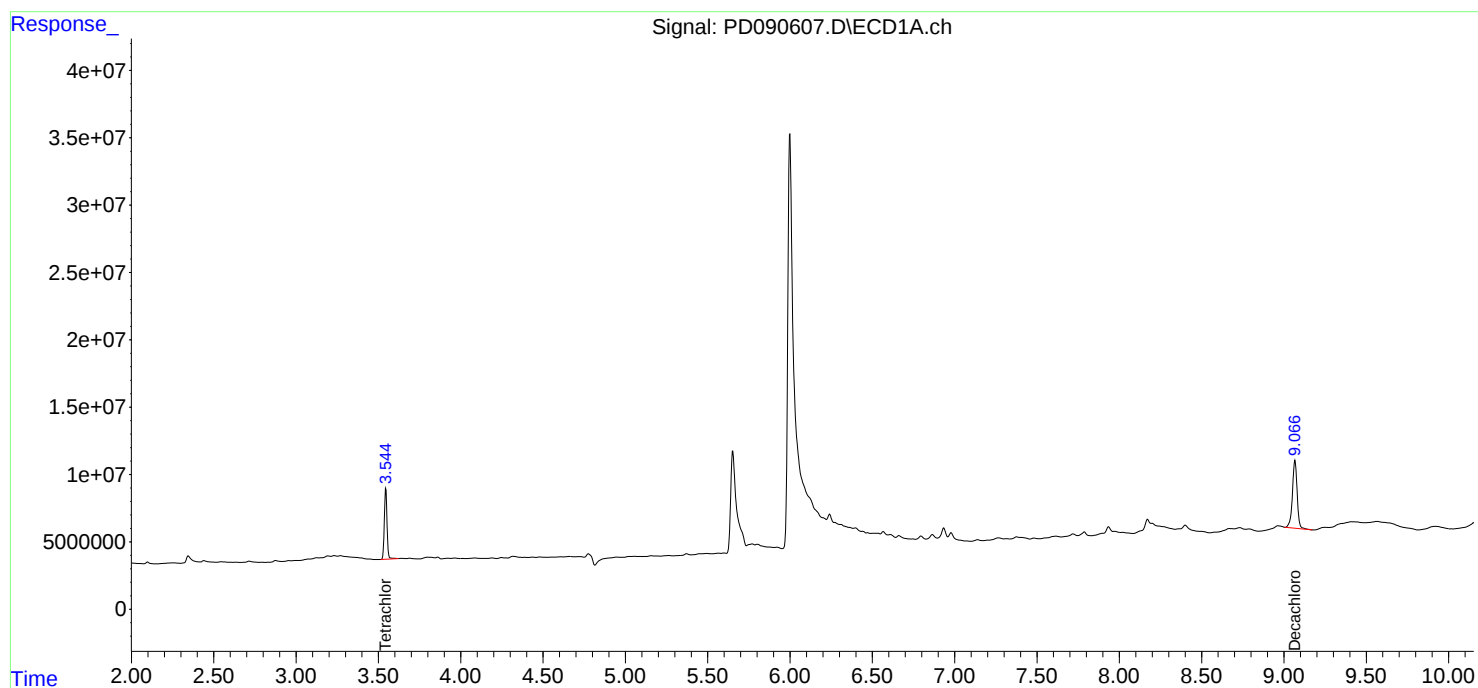
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

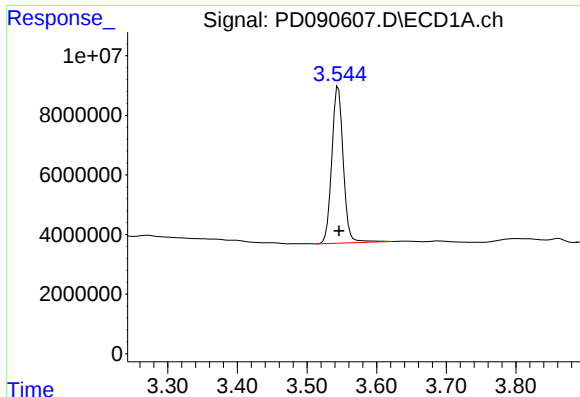
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 15:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:13:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

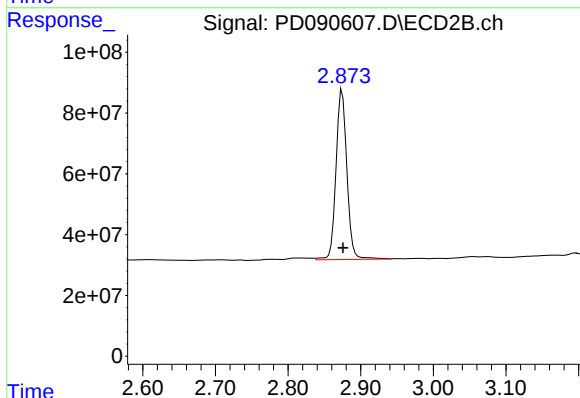




#1 Tetrachloro-m-xylene

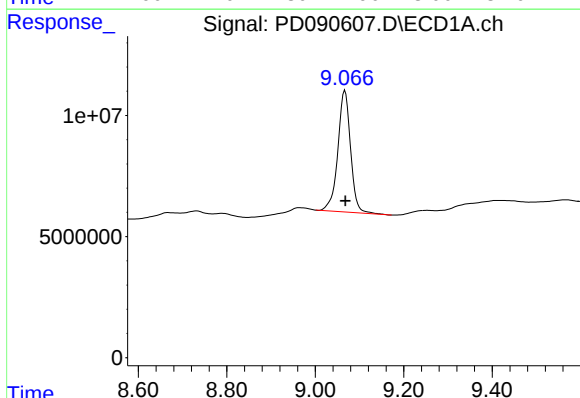
R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 60220119
Conc: 18.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



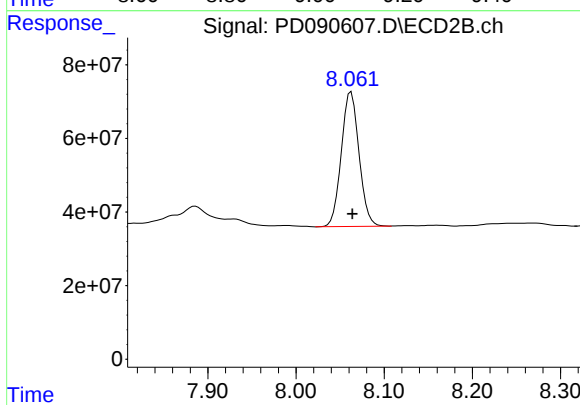
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 582857761
Conc: 21.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.000 min
Response: 100550032
Conc: 20.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 509911651
Conc: 15.73 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected:	
Project: RFP 918	Date Received:	
Client Sample ID: PB170091BS	SDG No.:	Q3321
Lab Sample ID: PB170091BS	Matrix:	TCLP
Analytical Method: 8081B	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	TCLP Pesticide
Prep Method: 3510C	Final Vol: 10000 uL	
	Prep Date 10/14/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	0.56		1	0.0037	0.050	ug/L	10/15/25 11:47	PB170091
76-44-8	Heptachlor	0.50		1	0.0027	0.050	ug/L	10/15/25 11:47	PB170091
1024-57-3	Heptachlor epoxide	0.55		1	0.0096	0.050	ug/L	10/15/25 11:47	PB170091
72-20-8	Endrin	0.56		1	0.0032	0.050	ug/L	10/15/25 11:47	PB170091
72-43-5	Methoxychlor	0.43		1	0.011	0.050	ug/L	10/15/25 11:47	PB170091
8001-35-2	Toxaphene	0.17	U	1	0.17	1.00	ug/L	10/15/25 11:47	PB170091
57-74-9	Chlordane	0.088	U	1	0.088	0.50	ug/L	10/15/25 11:47	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.1			57 - 171	105%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.7			61 - 148	94%	SPK: 20		

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

Q3321-TCLP Pesticide

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_D\Data\PD101525\
 Data File : PD090597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 11:47
 Operator : AR\AJ
 Sample : PB170091BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170091BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:09:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.552	2.873	54849384	514.0E6	16.874	18.724
28)	SA Decachlor...	9.077	8.064	101.7E6	661.3E6	21.087	20.401
Target Compounds							
2)	A alpha-BHC	4.002	3.385	384.3E6	2456.0E6	55.028	56.094
3)	MA gamma-BHC...	4.333	3.722	360.9E6	2268.9E6	54.535	55.699
4)	MA Heptachlor	4.931	4.074	311.7E6	2016.0E6	47.134	49.513
5)	MB Aldrin	5.273	4.360	344.2E6	2239.0E6	54.204	56.065
6)	B beta-BHC	4.520	4.018	135.2E6	952.0E6	52.418	54.914
7)	B delta-BHC	4.767	4.255	363.9E6	2299.6E6	56.357m	55.687
8)	B Heptachlo...	5.692	4.864	306.3E6	2039.5E6	53.605m	55.323
9)	A Endosulfan I	6.077	5.238	289.8E6	1853.6E6	53.652	53.566
10)	B gamma-Chl...	5.949	5.117	309.9E6	2204.7E6	54.260	56.118
11)	B alpha-Chl...	6.030	5.182	325.5E6	2099.4E6	56.507	55.738
12)	B 4,4'-DDE	6.199	5.366	281.3E6	2134.4E6	54.022	55.758
13)	MA Dieldrin	6.350	5.504	309.5E6	2159.9E6	53.684	55.458
14)	MA Endrin	6.578	5.781	264.0E6	1997.6E6	53.952	55.750
15)	B Endosulfa...	6.789	6.073	258.0E6	1855.3E6	52.899m	54.970
16)	A 4,4'-DDD	6.709	5.922	222.5E6	1781.8E6	54.305	54.946
17)	MA 4,4'-DDT	7.025	6.176	208.3E6	1616.6E6	46.776	47.022
18)	B Endrin al...	6.919	6.251	194.4E6	1373.4E6	56.671	58.326
19)	B Endosulfa...	7.154	6.475	238.6E6	1766.7E6	51.869	54.044
20)	A Methoxychlor	7.498	6.747	97127952	755.1E6	41.217	43.398
21)	B Endrin ke...	7.635	6.984	251.8E6	1888.9E6	50.901	52.319
22)	Mirex	8.117	7.177	173.2E6	1370.6E6	46.754	49.648

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
Data File : PD090597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 11:47
Operator : AR\AJ
Sample : PB170091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170091BS

Manual Integrations

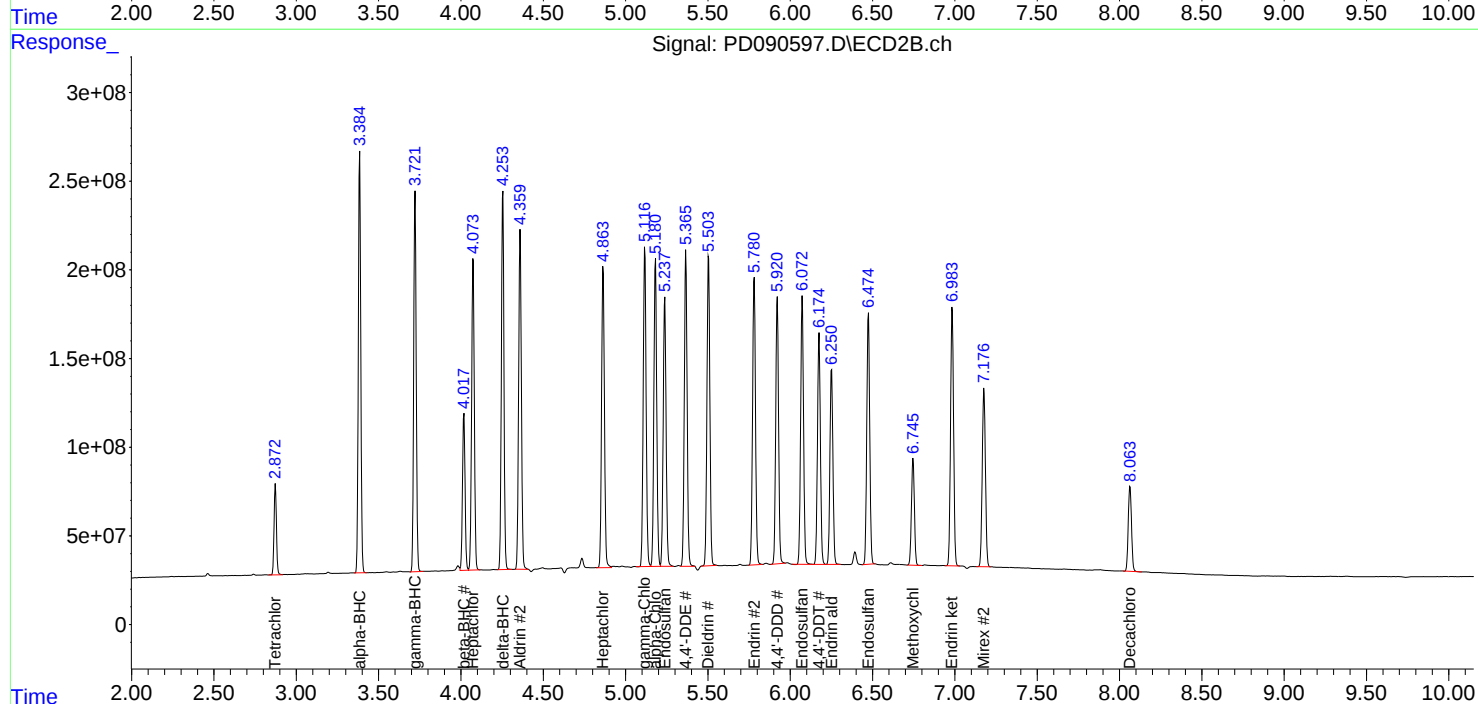
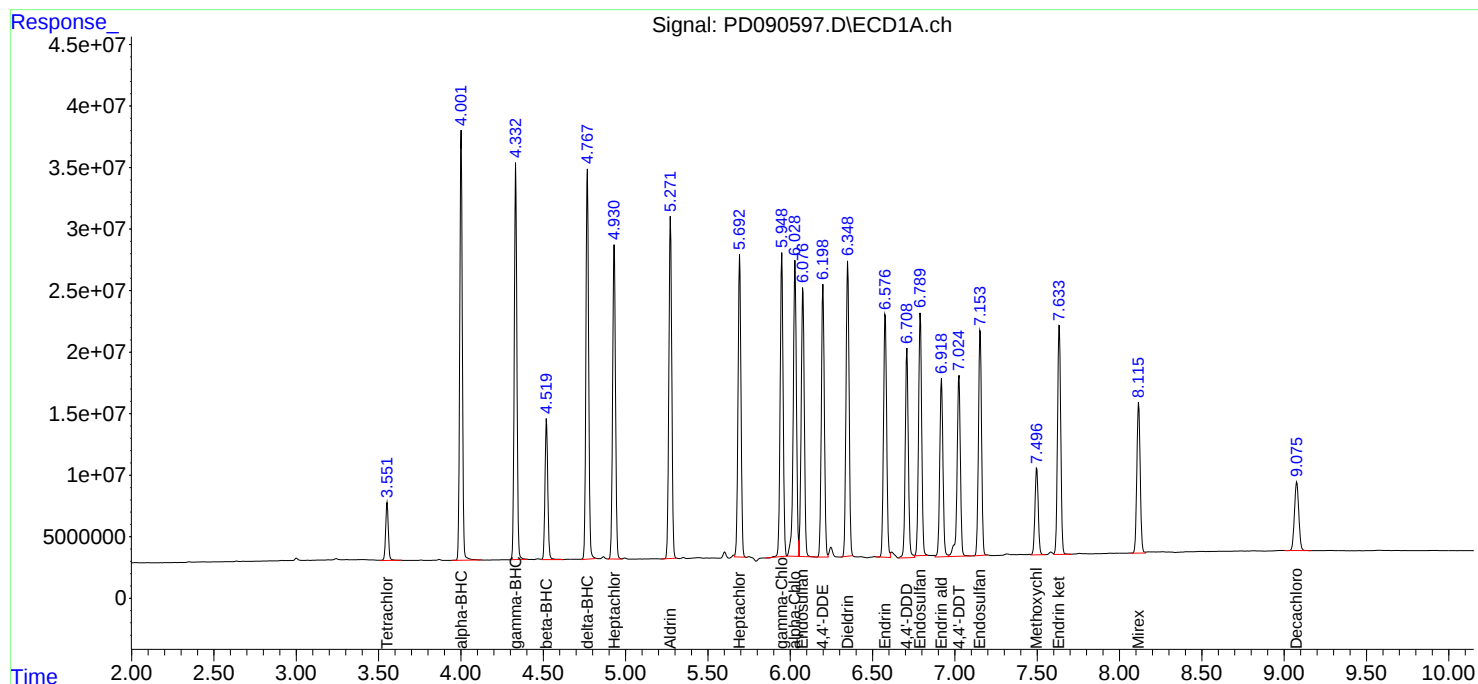
APPROVED

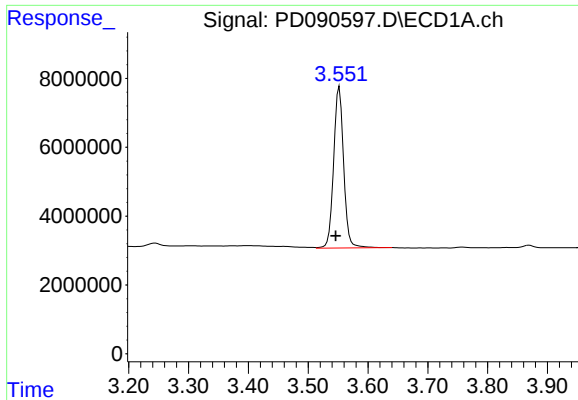
Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





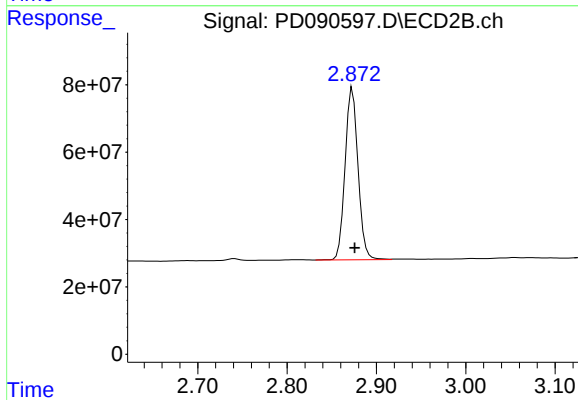
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 54849384
Conc: 16.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

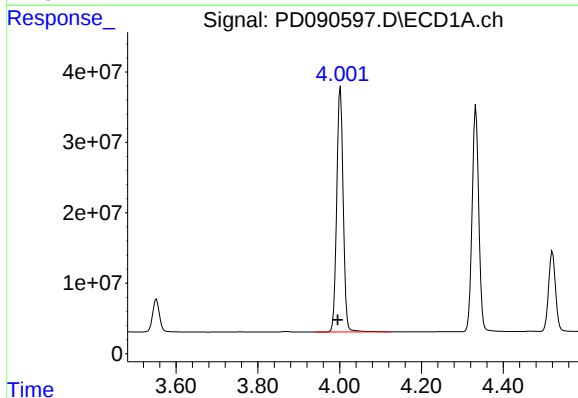
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



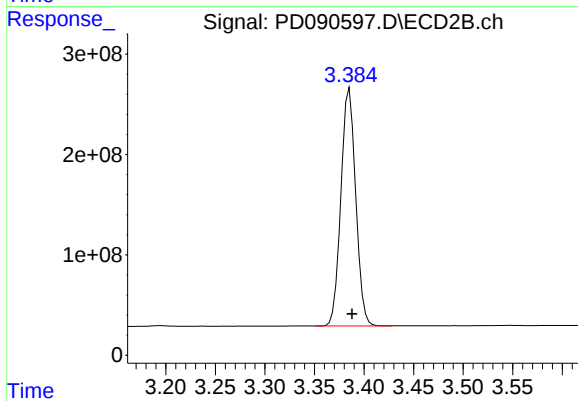
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.003 min
Response: 513960835
Conc: 18.72 ng/ml



#2 alpha-BHC

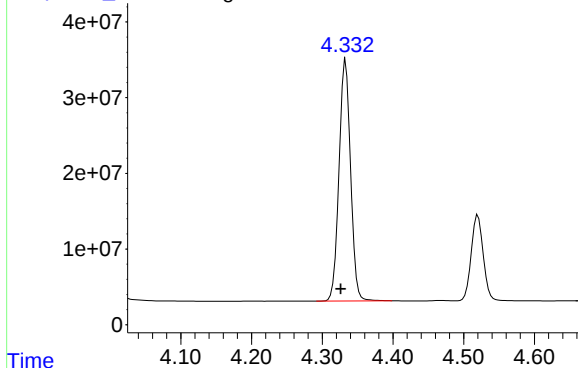
R.T.: 4.002 min
Delta R.T.: 0.006 min
Response: 384342505
Conc: 55.03 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2455958216
Conc: 56.09 ng/ml

Response_ Signal: PD090597.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 360852723
Conc: 54.54 ng/ml

Instrument :

ECD_D

ClientSampleId :

PB170091BS

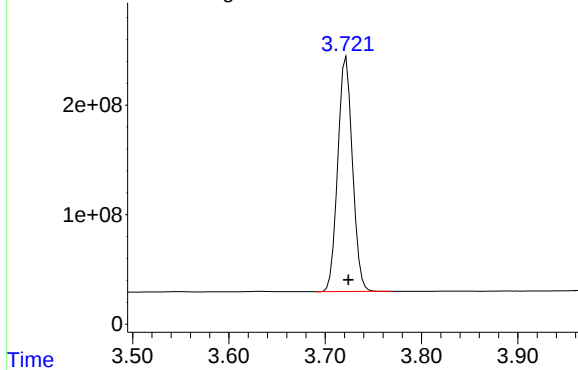
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

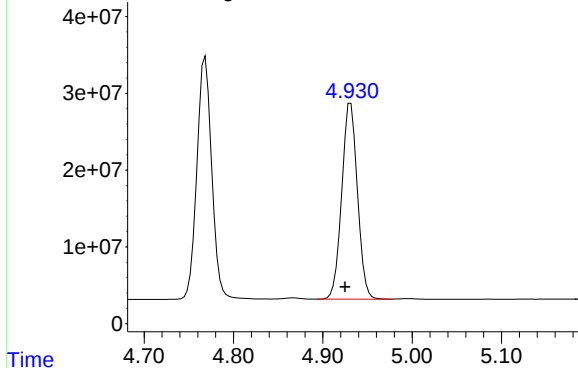
Response_ Signal: PD090597.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 2268913853
Conc: 55.70 ng/ml

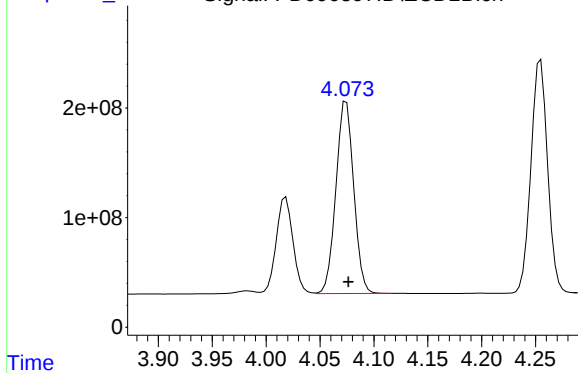
Response_ Signal: PD090597.D\ECD1A.ch



#4 Heptachlor

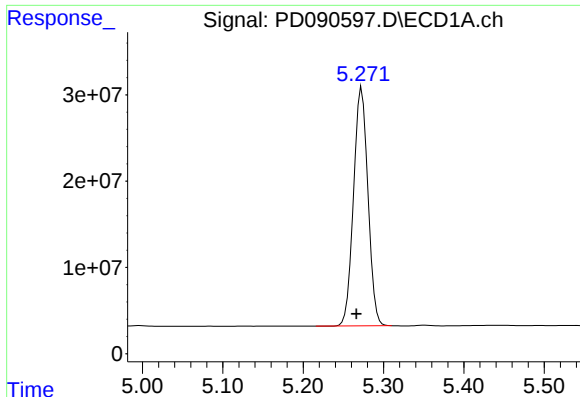
R.T.: 4.931 min
Delta R.T.: 0.006 min
Response: 311676259
Conc: 47.13 ng/ml

Response_ Signal: PD090597.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 2015993687
Conc: 49.51 ng/ml



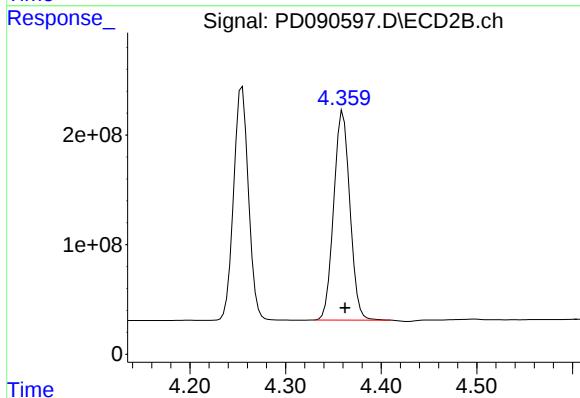
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 344192556
Conc: 54.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

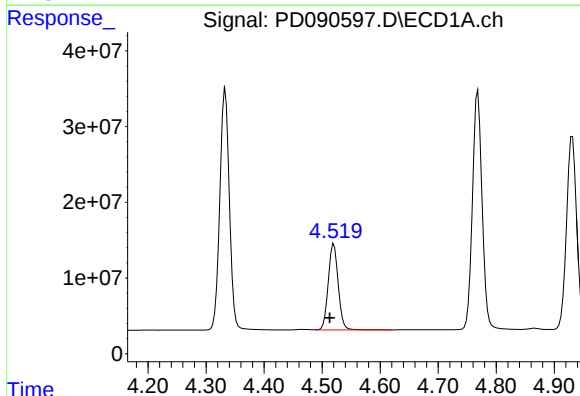
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



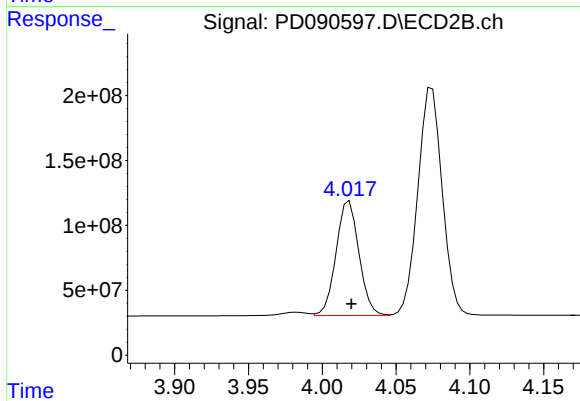
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 2238965561
Conc: 56.07 ng/ml



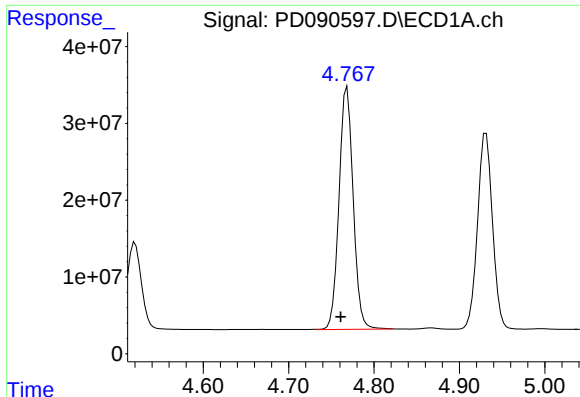
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 135233857
Conc: 52.42 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 951956533
Conc: 54.91 ng/ml



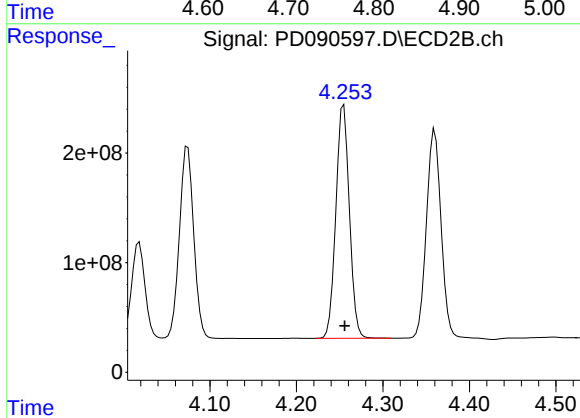
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.006 min
Response: 363922458
Conc: 56.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

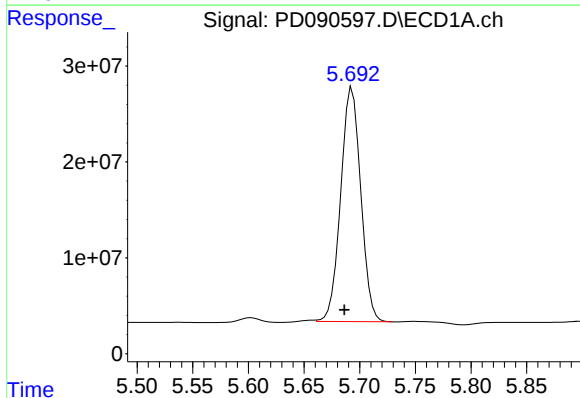
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



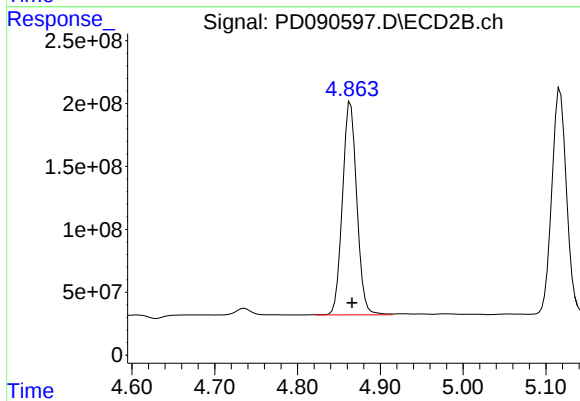
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2299566692
Conc: 55.69 ng/ml



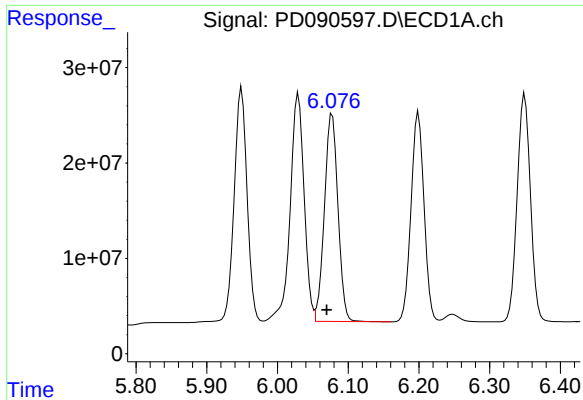
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.006 min
Response: 306347793
Conc: 53.60 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2039481957
Conc: 55.32 ng/ml



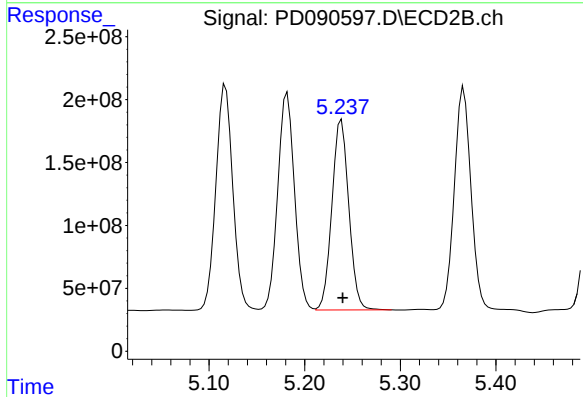
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.008 min
Response: 289801501
Conc: 53.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

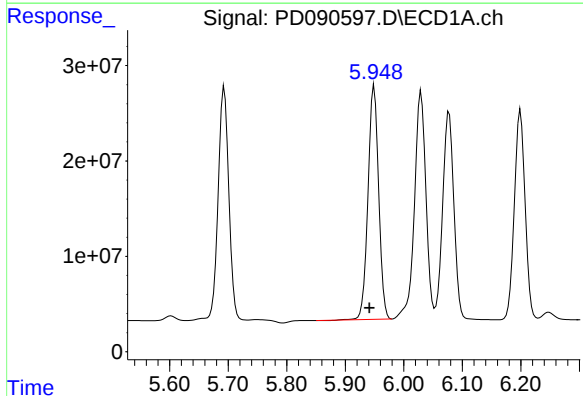
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



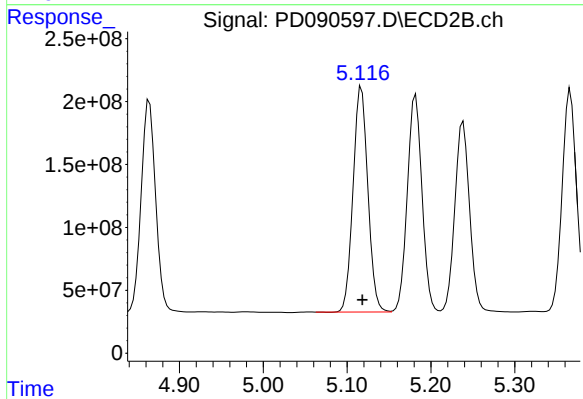
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1853649058
Conc: 53.57 ng/ml



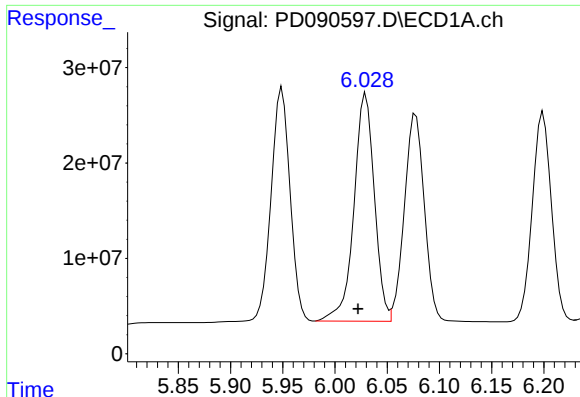
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.008 min
Response: 309927740
Conc: 54.26 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2204679716
Conc: 56.12 ng/ml



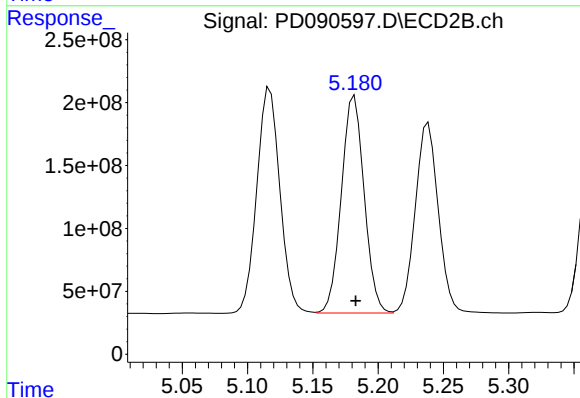
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 325528510
Conc: 56.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

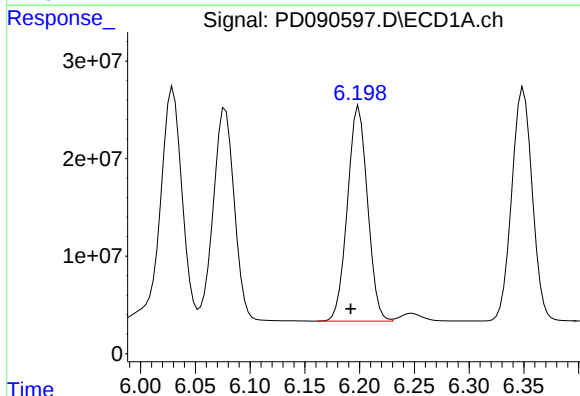
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



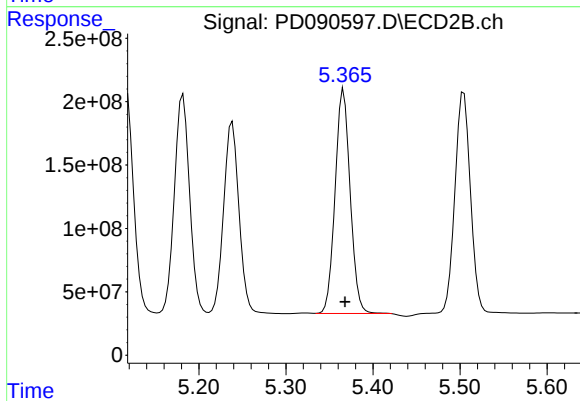
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2099373298
Conc: 55.74 ng/ml



#12 4,4'-DDE

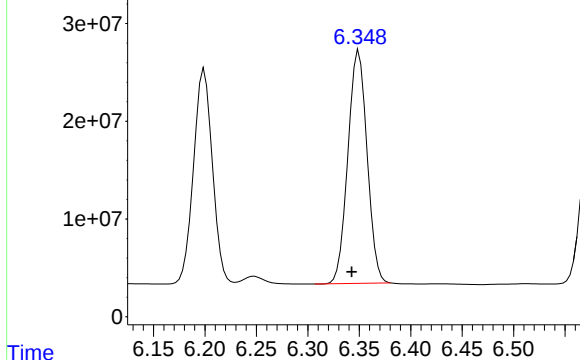
R.T.: 6.199 min
Delta R.T.: 0.008 min
Response: 281320726
Conc: 54.02 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.001 min
Response: 2134365305
Conc: 55.76 ng/ml

Response_ Signal: PD090597.D\ECD1A.ch



#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 309470578
Conc: 53.68 ng/ml

Instrument :

ECD_D

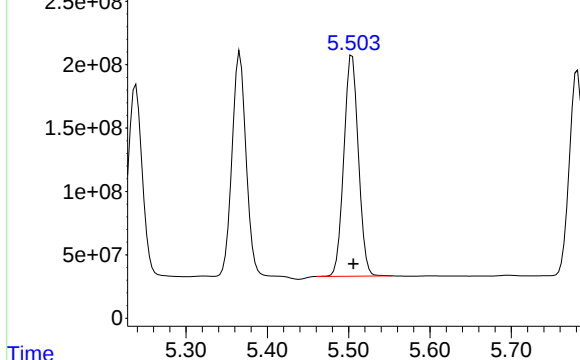
ClientSampleId :

PB170091BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025

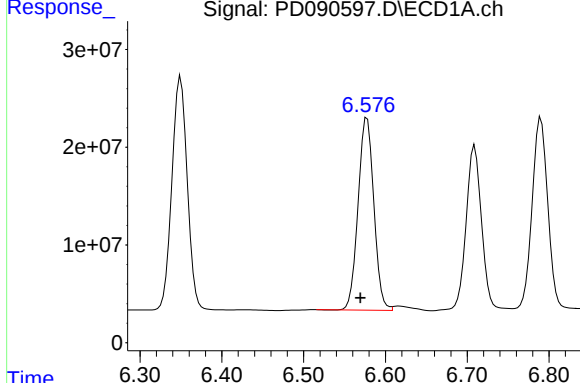
Response_ Signal: PD090597.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 2159871066
Conc: 55.46 ng/ml

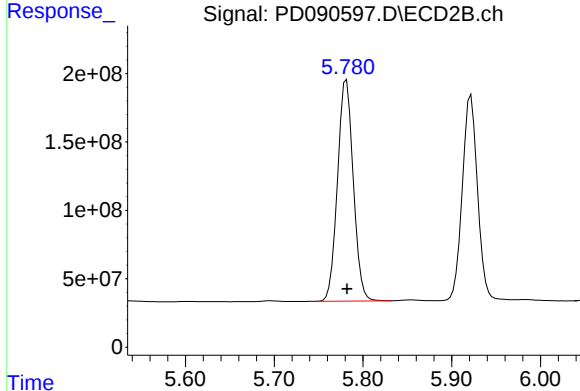
Response_ Signal: PD090597.D\ECD1A.ch



#14 Endrin

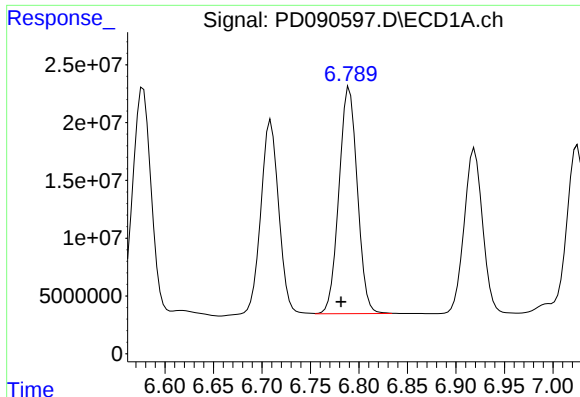
R.T.: 6.578 min
Delta R.T.: 0.008 min
Response: 264038050
Conc: 53.95 ng/ml

Response_ Signal: PD090597.D\ECD2B.ch



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1997634702
Conc: 55.75 ng/ml



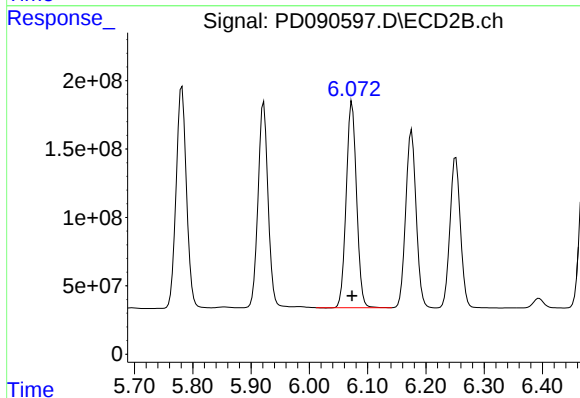
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.007 min
Response: 258031612
Conc: 52.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

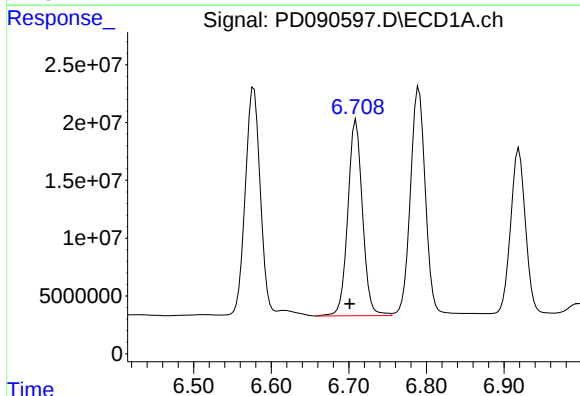
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



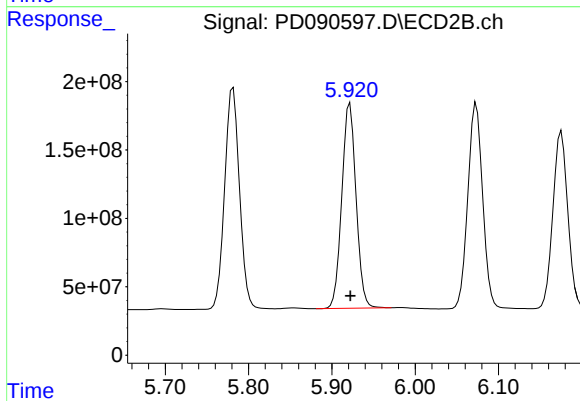
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1855260722
Conc: 54.97 ng/ml



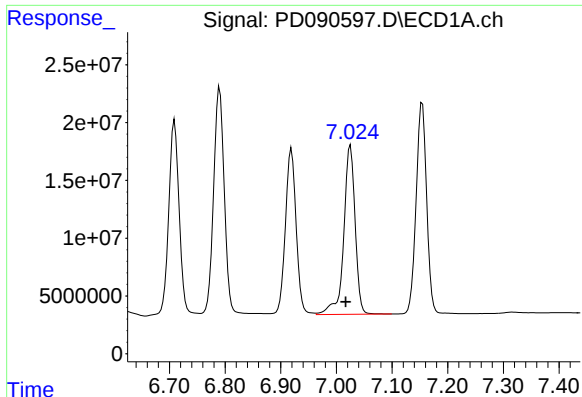
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.008 min
Response: 222531545
Conc: 54.30 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1781788690
Conc: 54.95 ng/ml



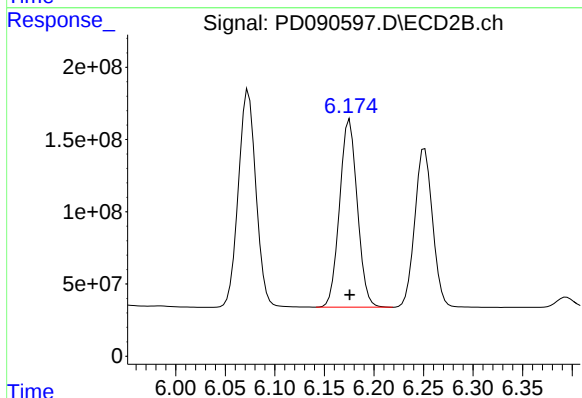
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 208269387
Conc: 46.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

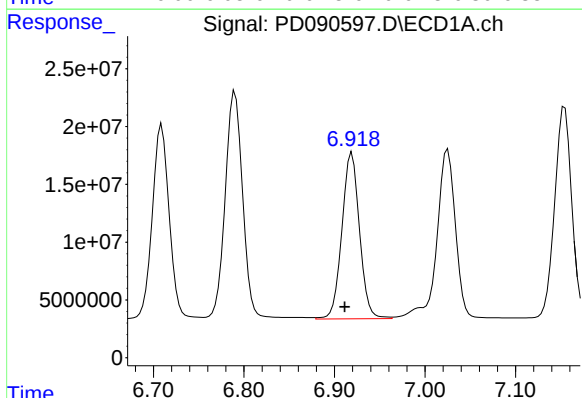
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



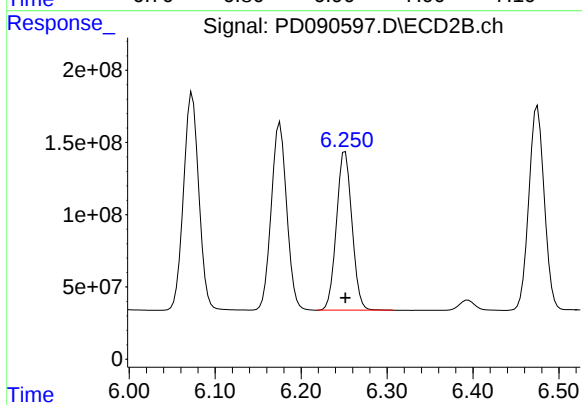
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1616557465
Conc: 47.02 ng/ml



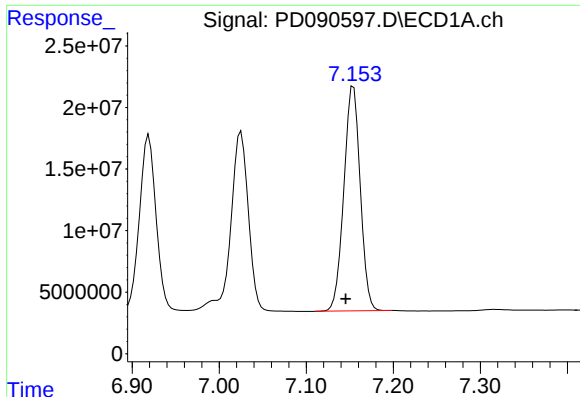
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.008 min
Response: 194413752
Conc: 56.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1373381896
Conc: 58.33 ng/ml



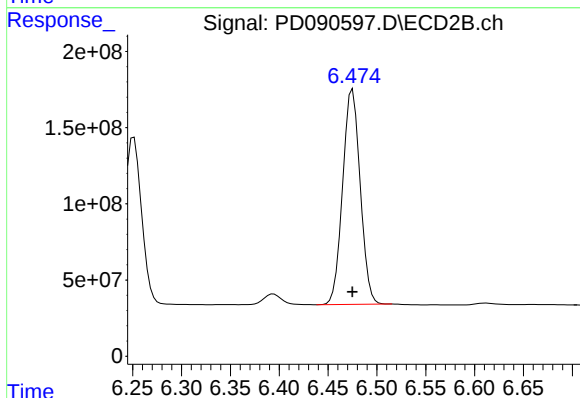
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.009 min
Response: 238616642
Conc: 51.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

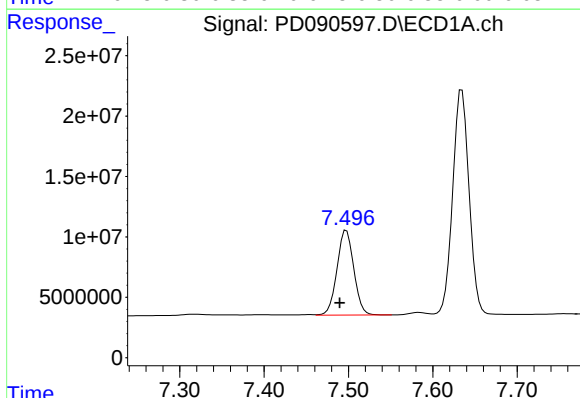
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



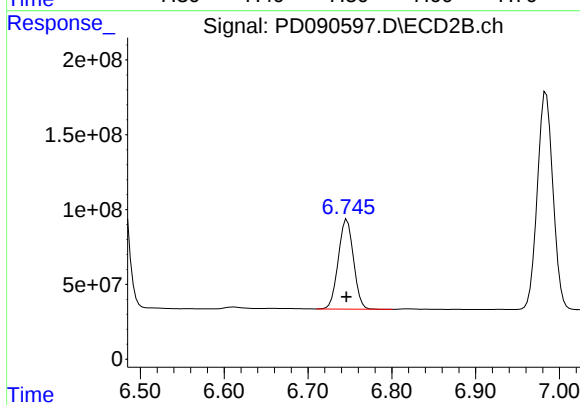
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 1766713386
Conc: 54.04 ng/ml



#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.008 min
Response: 97127952
Conc: 41.22 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 755145657
Conc: 43.40 ng/ml

Response_ Signal: PD090597.D\ECD1A.ch

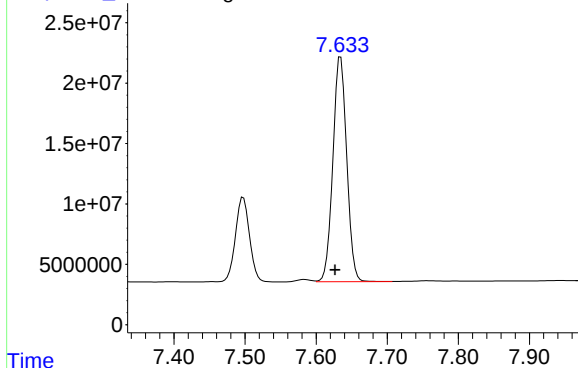
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.008 min
Response: 251826908
Conc: 50.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

Manual Integrations
APPROVED

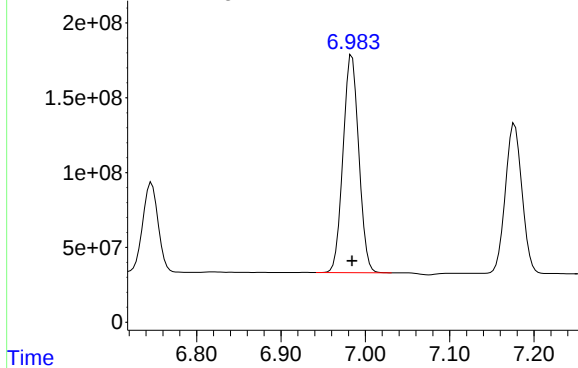
Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



Response_ Signal: PD090597.D\ECD2B.ch

#21 Endrin ketone

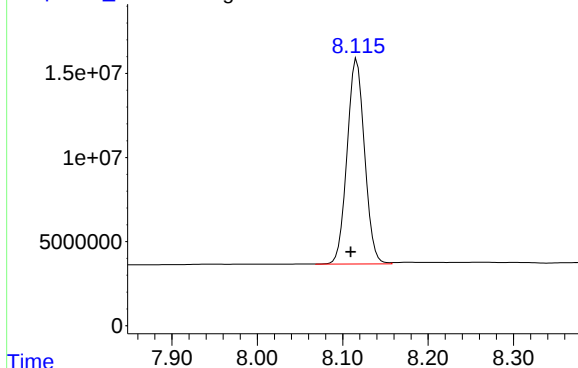
R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1888854121
Conc: 52.32 ng/ml



Response_ Signal: PD090597.D\ECD1A.ch

#22 Mirex

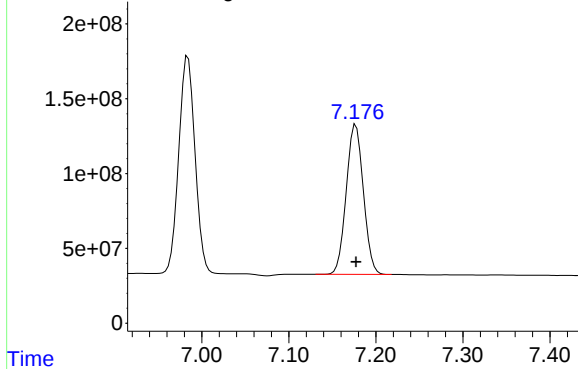
R.T.: 8.117 min
Delta R.T.: 0.007 min
Response: 173216245
Conc: 46.75 ng/ml

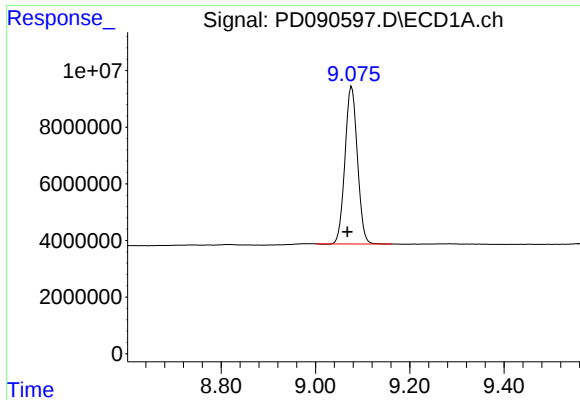


Response_ Signal: PD090597.D\ECD2B.ch

#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1370583260
Conc: 49.65 ng/ml





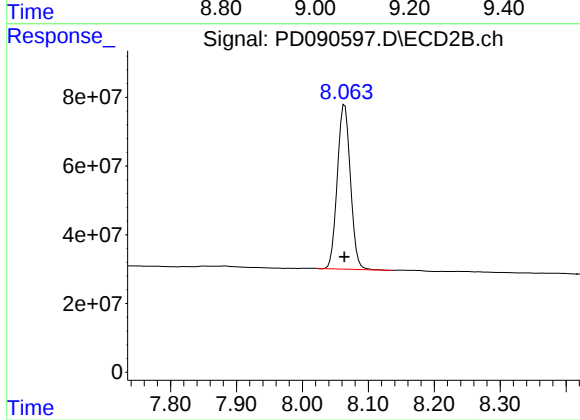
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.009 min
Response: 101744984
Conc: 21.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 661279206
Conc: 20.40 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/08/25	
Project: RFP 918	Date Received: 10/09/25	
Client Sample ID: P001-DS-01MS	SDG No.: Q3321	
Lab Sample ID: Q3321-02MS	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Pesticide	Final Vol: 10000 uL
Prep Method: 3510C		Prep Date 10/14/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	5.00		1	0.037	0.50	ug/L	10/14/25 17:51	PB170091
76-44-8	Heptachlor	4.50		1	0.027	0.50	ug/L	10/14/25 17:51	PB170091
1024-57-3	Heptachlor epoxide	5.00		1	0.096	0.50	ug/L	10/14/25 17:51	PB170091
72-20-8	Endrin	4.90		1	0.032	0.50	ug/L	10/14/25 17:51	PB170091
72-43-5	Methoxychlor	4.10		1	0.11	0.50	ug/L	10/14/25 17:51	PB170091
8001-35-2	Toxaphene	1.70	U	1	1.70	10.0	ug/L	10/14/25 17:51	PB170091
57-74-9	Chlordane	0.88	U	1	0.88	5.00	ug/L	10/14/25 17:51	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			57 - 171	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.0			61 - 148	105%	SPK: 20		

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
Q3321-TCLP Pesticide

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_D\Data\PD101425\
 Data File : PD090589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 17:51
 Operator : AR\AJ
 Sample : Q3321-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

P001-DS-01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:40:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	61988067	575.5E6	19.071	20.964
28)	SA Decachlor...	9.064	8.061	99419320	631.8E6	20.605	19.492
Target Compounds							
2)	A alpha-BHC	3.995	3.387	346.3E6	2199.3E6	49.584	50.232
3)	MA gamma-BHC...	4.325	3.723	332.2E6	2033.3E6	50.204	49.914
4)	MA Heptachlor	4.923	4.075	268.2E6	1822.4E6	40.564	44.758
5)	MB Aldrin	5.265	4.361	307.1E6	1994.9E6	48.356	49.954
6)	B beta-BHC	4.512	4.019	121.5E6	861.6E6	47.088	49.700
7)	B delta-BHC	4.759	4.255	336.5E6	2064.3E6	52.103m	49.988
8)	B Heptachlo...	5.685	4.864	273.3E6	1842.3E6	47.820	49.975
9)	A Endosulfan I	6.068	5.238	248.5E6	1723.6E6	46.009	49.806
10)	B gamma-Chl...	5.940	5.117	270.3E6	1955.3E6	47.323	49.770
11)	B alpha-Chl...	6.020	5.181	285.5E6	1871.1E6	49.561m	49.677
12)	B 4,4'-DDE	6.190	5.366	250.1E6	1904.9E6	48.032	49.764
13)	MA Dieldrin	6.341	5.503	275.9E6	1924.4E6	47.854	49.413
14)	MA Endrin	6.568	5.780	235.0E6	1756.9E6	48.010	49.030
15)	B Endosulfa...	6.781	6.072	234.3E6	1652.7E6	48.041	48.968
16)	A 4,4'-DDD	6.700	5.920	192.2E6	1583.9E6	46.906	48.844
17)	MA 4,4'-DDT	7.016	6.174	191.1E6	1462.9E6	42.922	42.553
18)	B Endrin al...	6.910	6.250	172.3E6	1227.5E6	50.218	52.129
19)	B Endosulfa...	7.144	6.474	211.8E6	1571.4E6	46.040	48.068
20)	A Methoxychlor	7.489	6.745	94134687	706.0E6	39.947	40.576
21)	B Endrin ke...	7.625	6.983	224.4E6	1653.2E6	45.361	45.792
22)	Mirex	8.107	7.175	143.6E6	1088.3E6	38.748	39.423

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:51
Operator : AR\AJ
Sample : Q3321-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

P001-DS-01MS

Manual Integrations

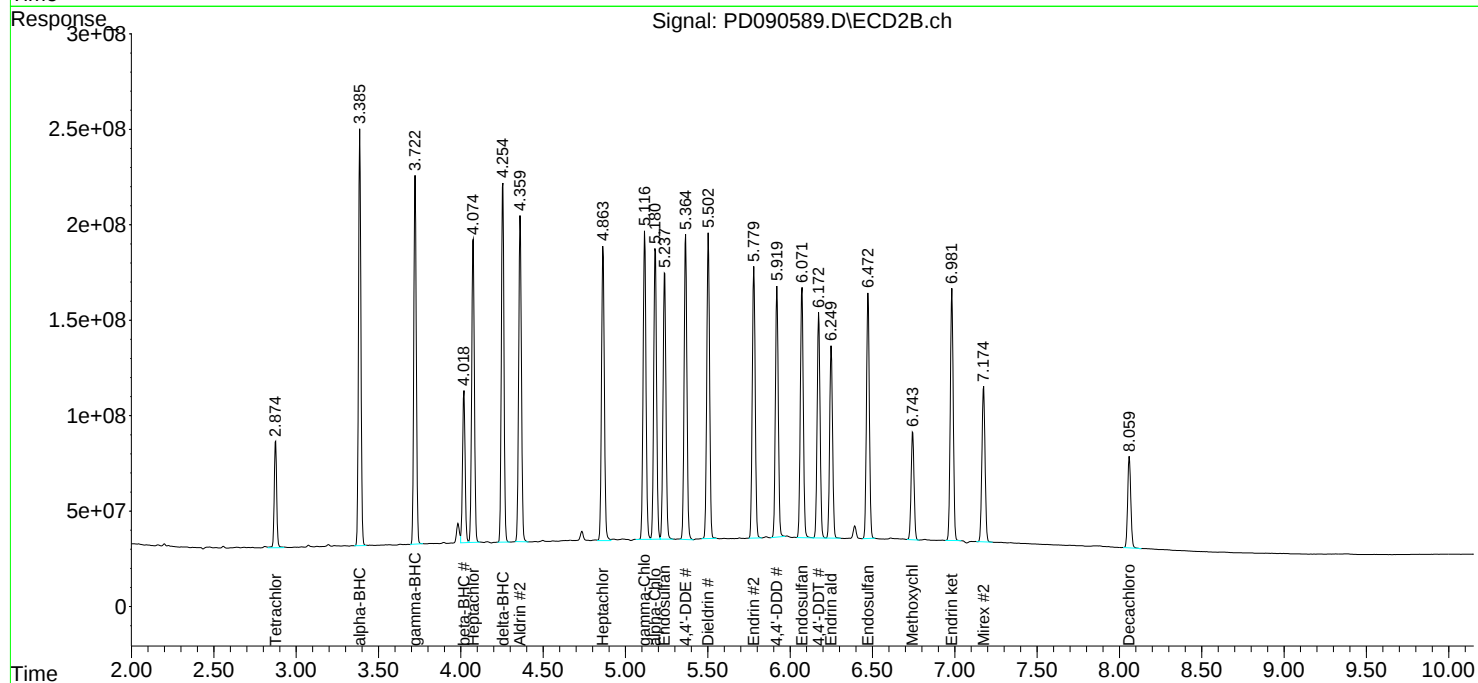
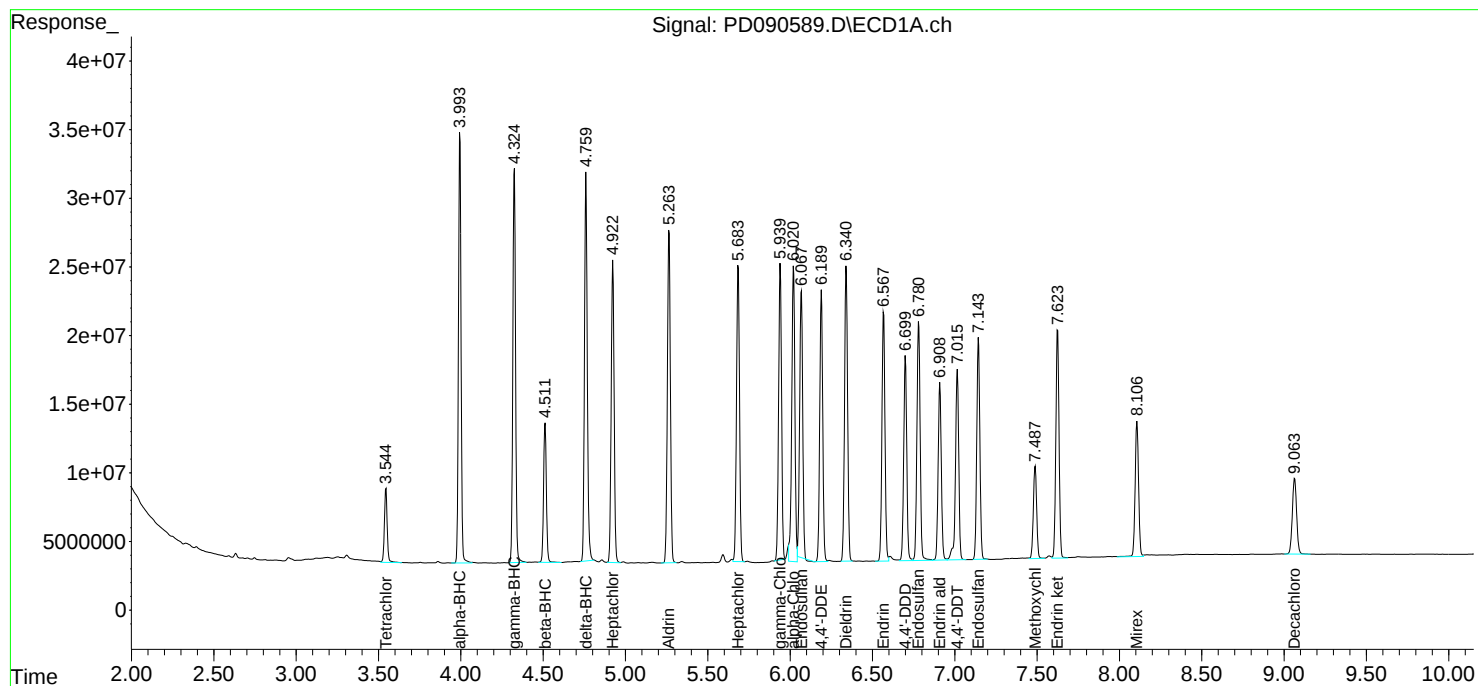
APPROVED

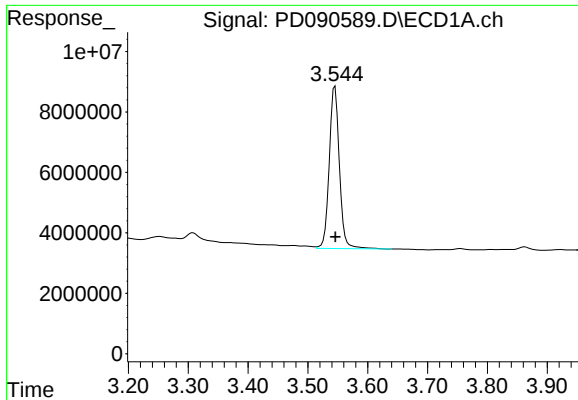
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





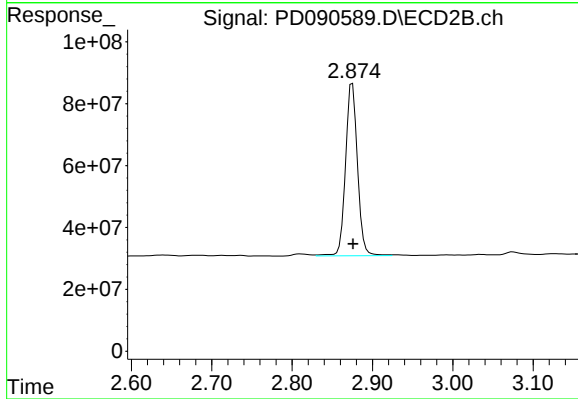
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 61988067
Conc: 19.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

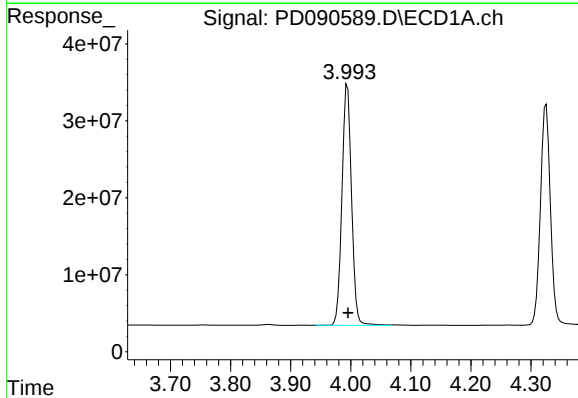
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



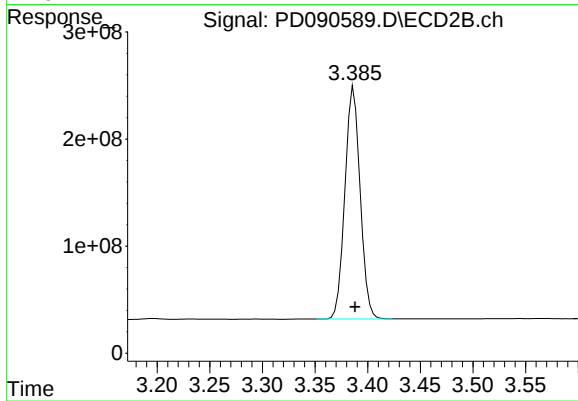
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 575464406
Conc: 20.96 ng/ml



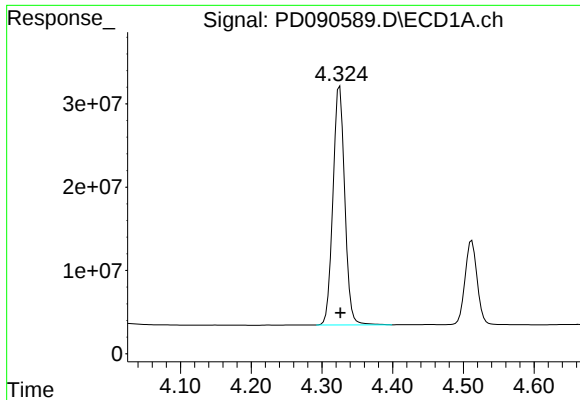
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 346319990
Conc: 49.58 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2199304616
Conc: 50.23 ng/ml



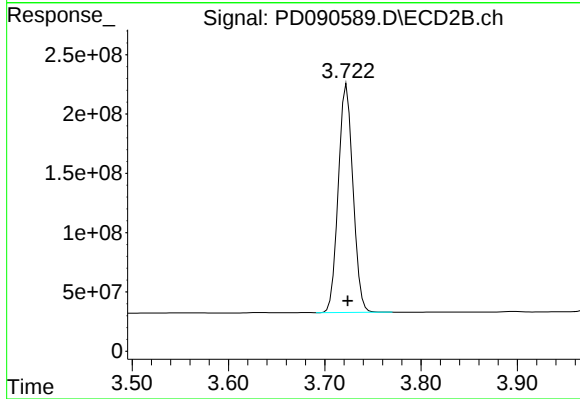
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 332193130
Conc: 50.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

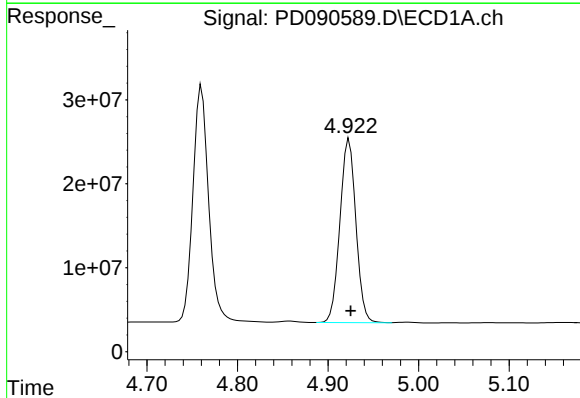
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



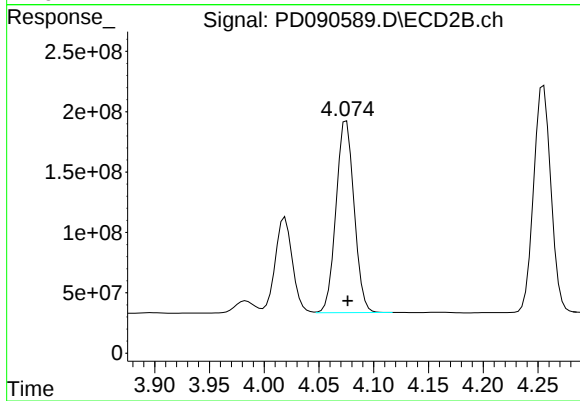
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2033264959
Conc: 49.91 ng/ml



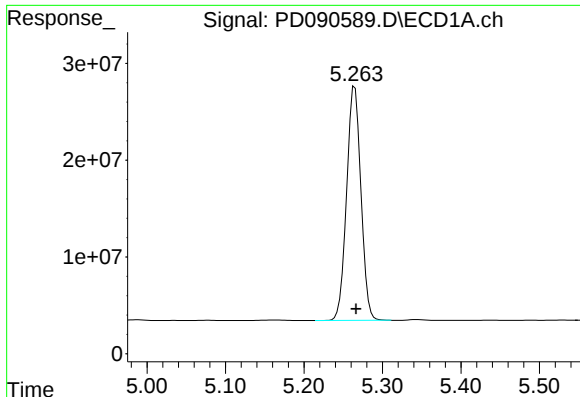
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 268229830
Conc: 40.56 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1822397939
Conc: 44.76 ng/ml



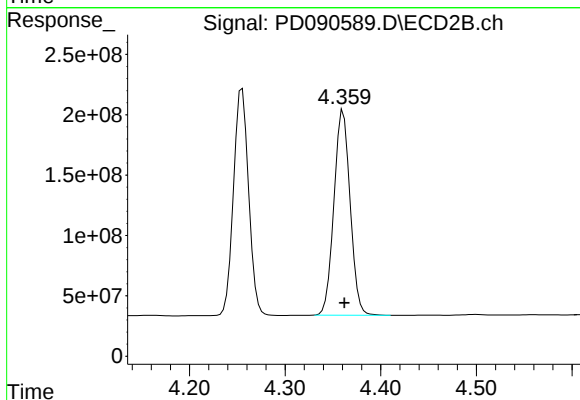
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 307057612
Conc: 48.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

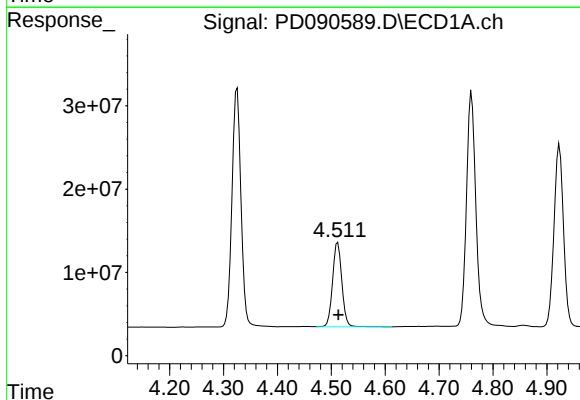
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



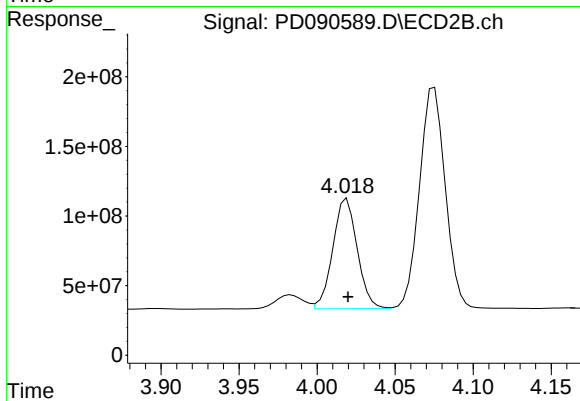
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1994896553
Conc: 49.95 ng/ml



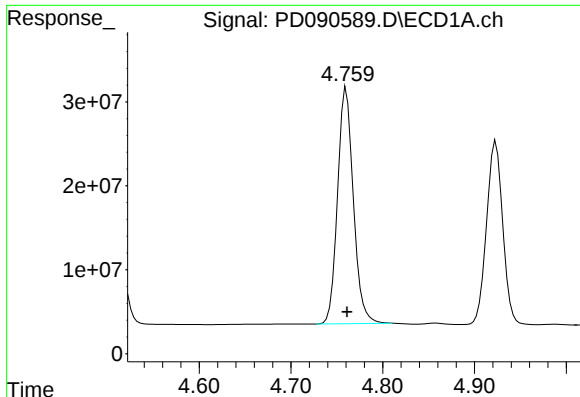
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 121484242
Conc: 47.09 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 861563356
Conc: 49.70 ng/ml



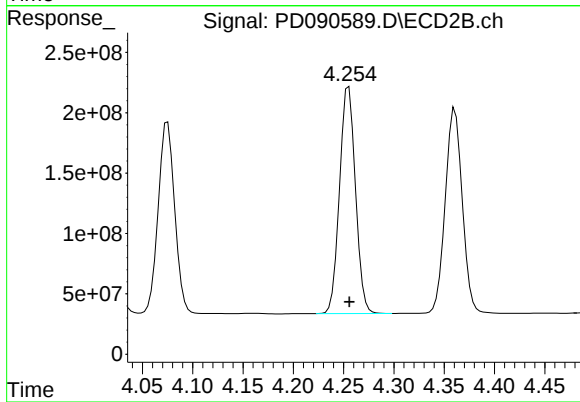
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 336456797
Conc: 52.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

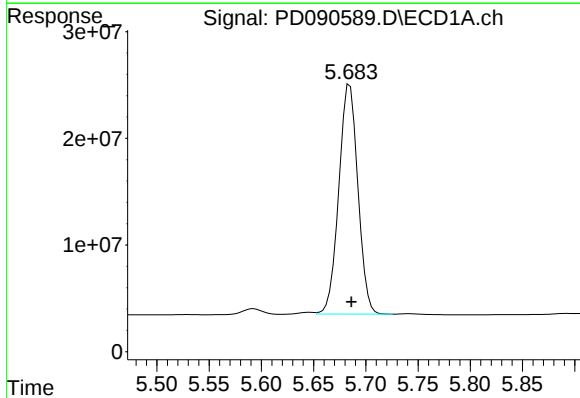
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



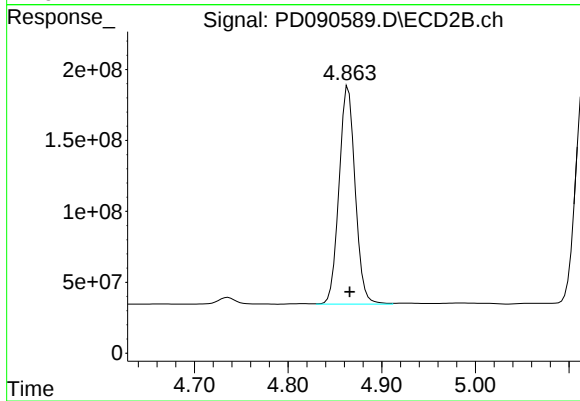
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2064251327
Conc: 49.99 ng/ml



#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.002 min
Response: 273286133
Conc: 47.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1842314431
Conc: 49.97 ng/ml

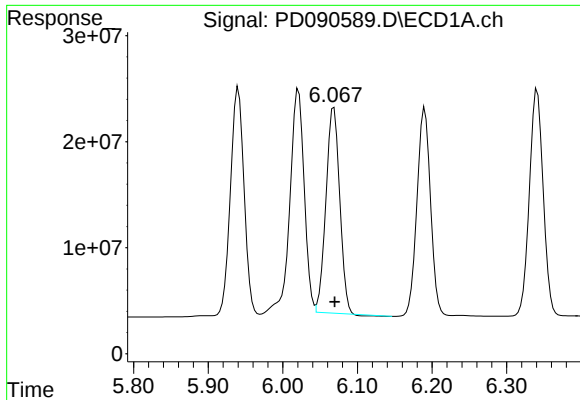
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 248515757
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

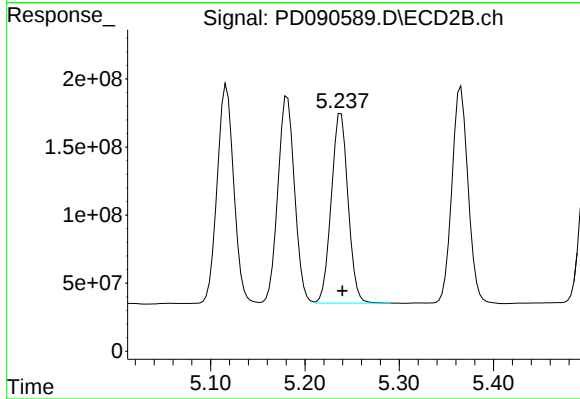
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



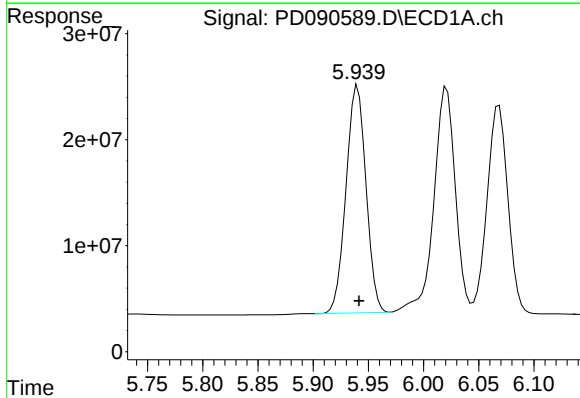
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1723551820
Conc: 49.81 ng/ml



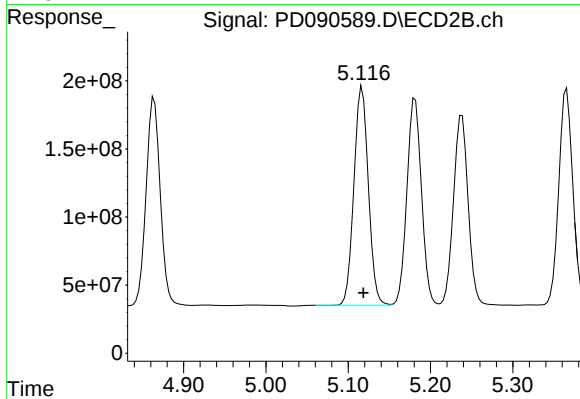
#10 gamma-Chlordane

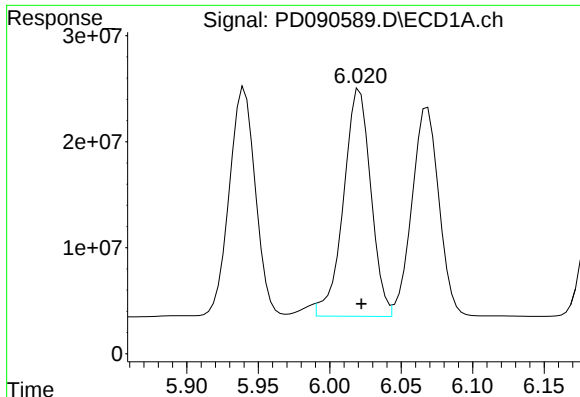
R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 270304434
Conc: 47.32 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1955280065
Conc: 49.77 ng/ml





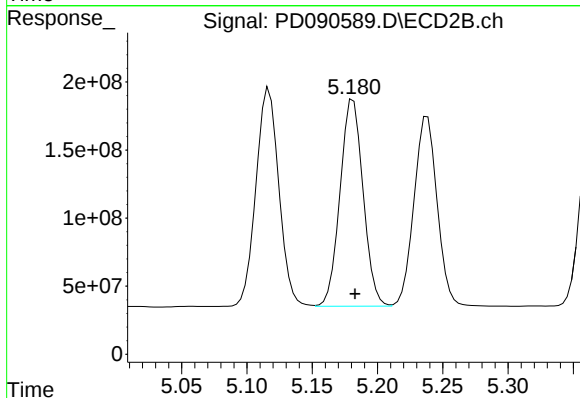
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 285514760
Conc: 49.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

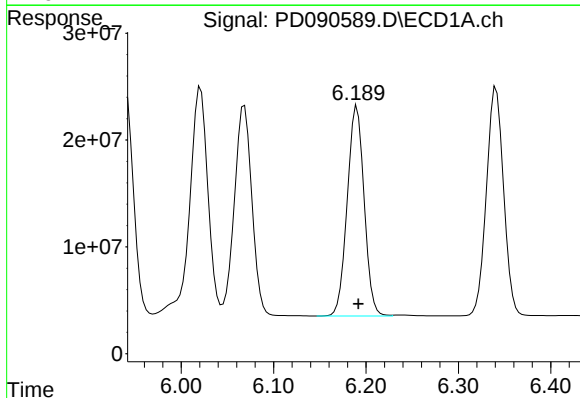
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



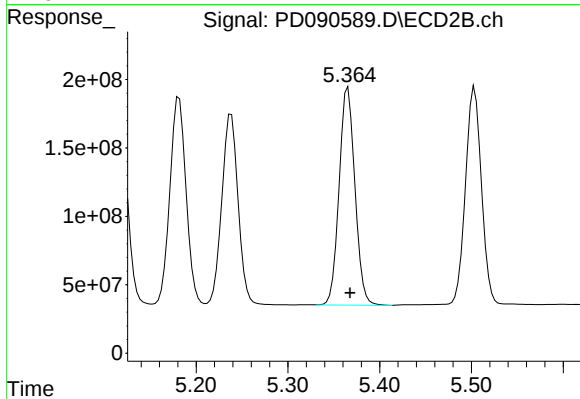
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1871102351
Conc: 49.68 ng/ml



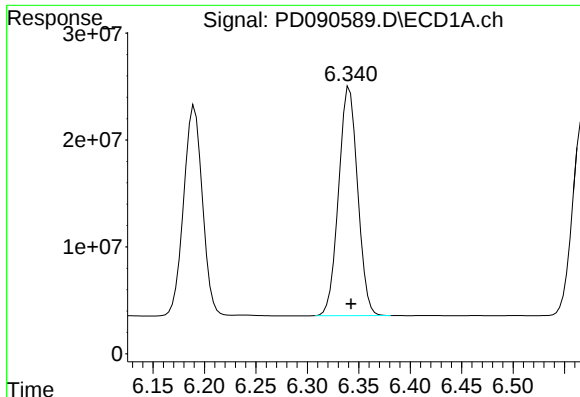
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 250125472
Conc: 48.03 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1904918772
Conc: 49.76 ng/ml



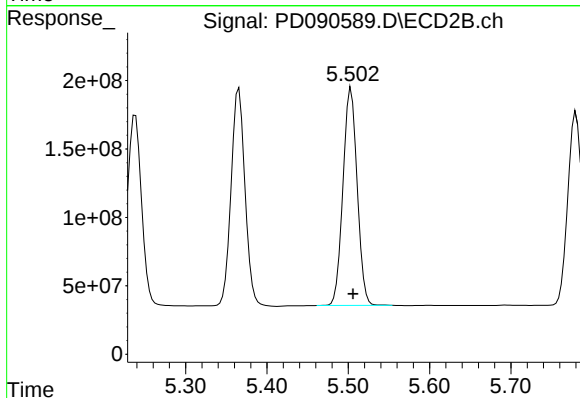
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 275864304
Conc: 47.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

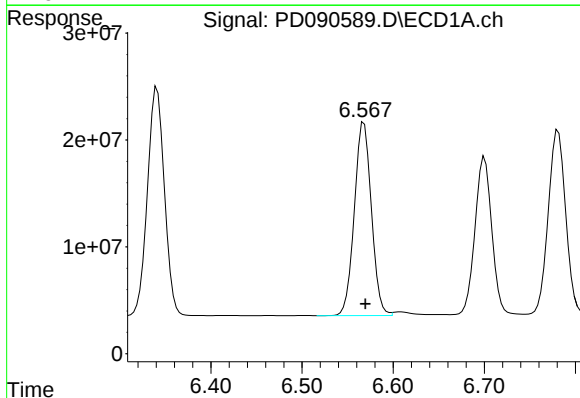
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



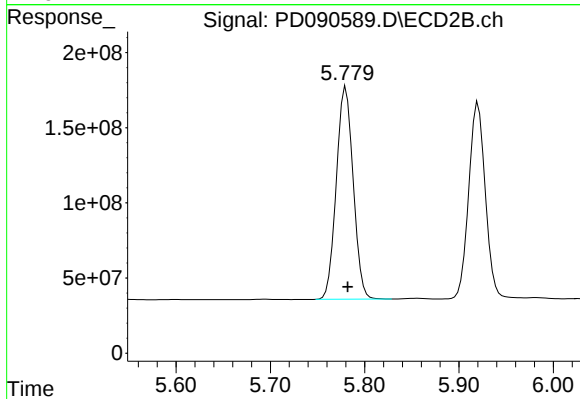
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.002 min
Response: 1924419871
Conc: 49.41 ng/ml



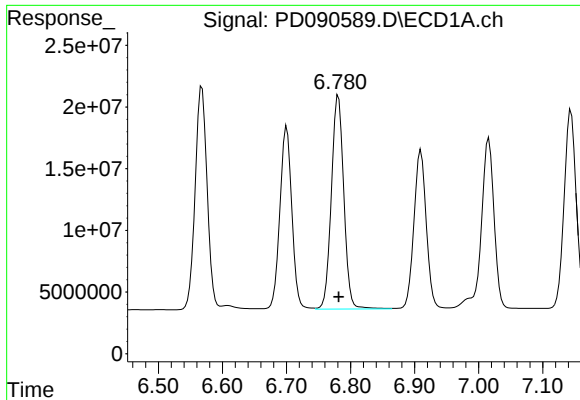
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 234956565
Conc: 48.01 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1756855751
Conc: 49.03 ng/ml



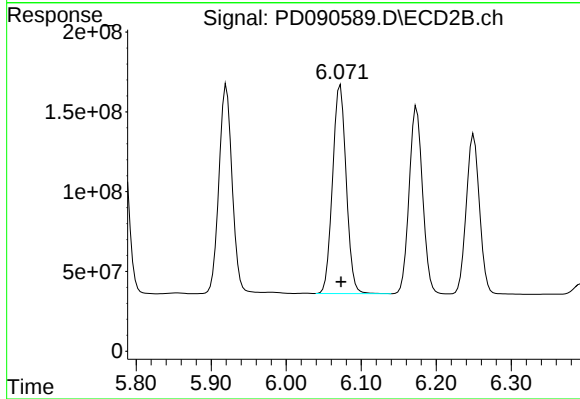
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 234335632
Conc: 48.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

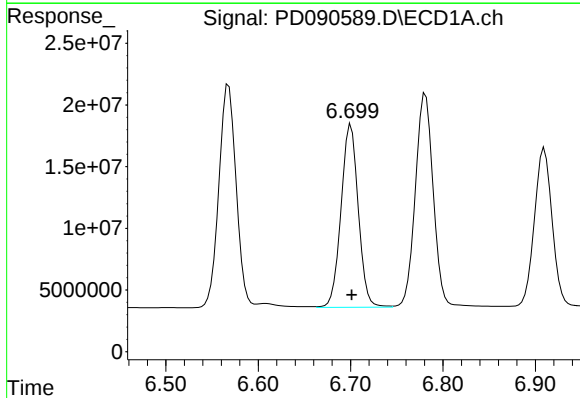
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



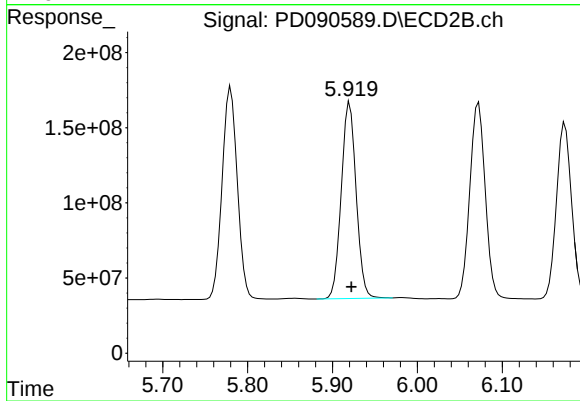
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1652700595
Conc: 48.97 ng/ml



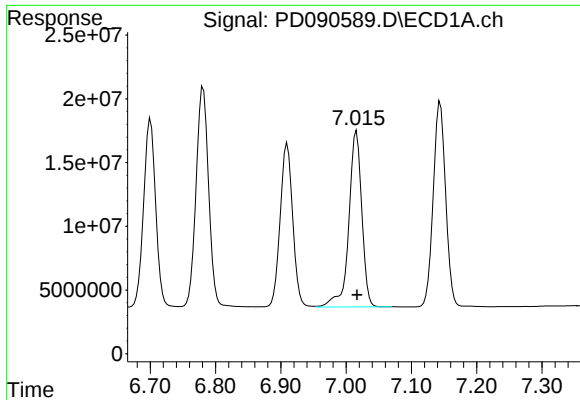
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 192211059
Conc: 46.91 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1583907007
Conc: 48.84 ng/ml



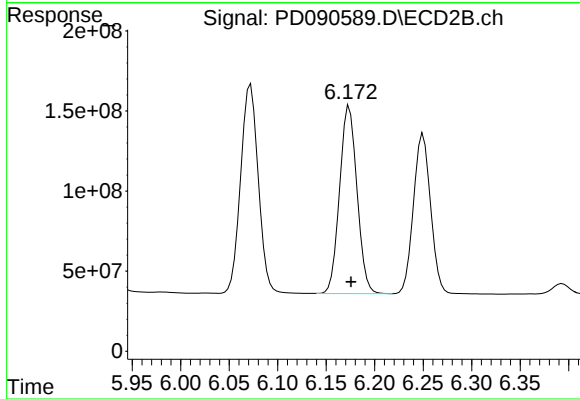
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 191110217
Conc: 42.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

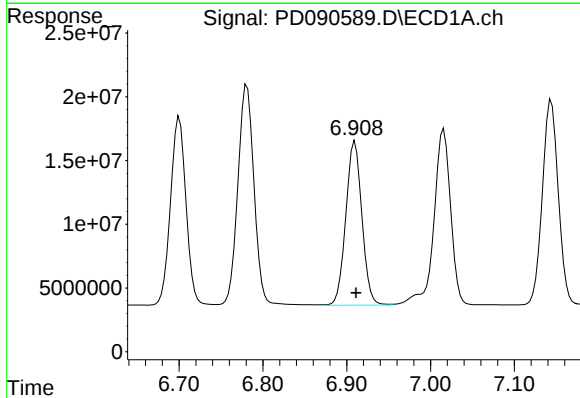
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



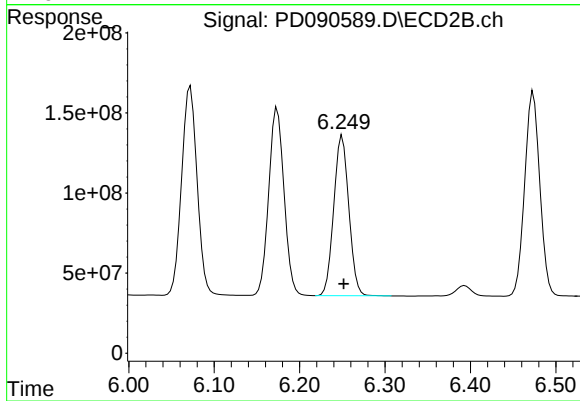
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1462915913
Conc: 42.55 ng/ml



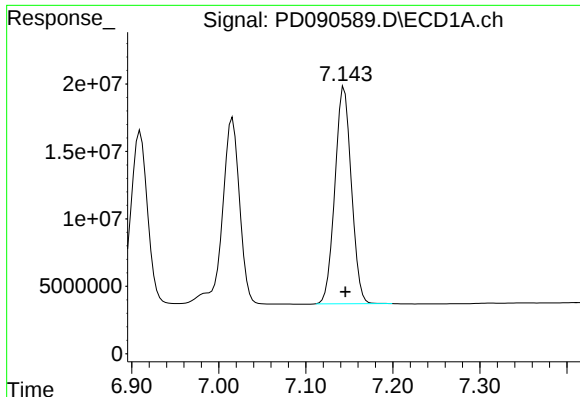
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 172275864
Conc: 50.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1227482750
Conc: 52.13 ng/ml



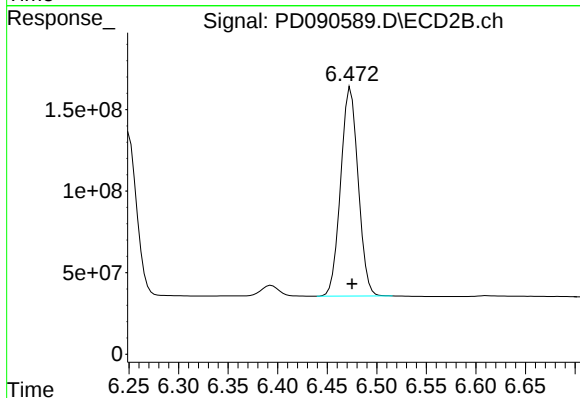
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 211802474
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

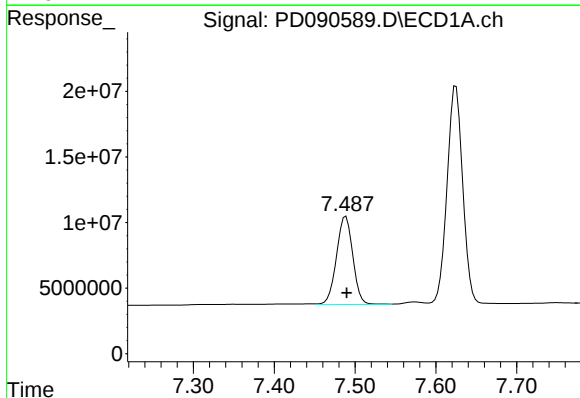
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



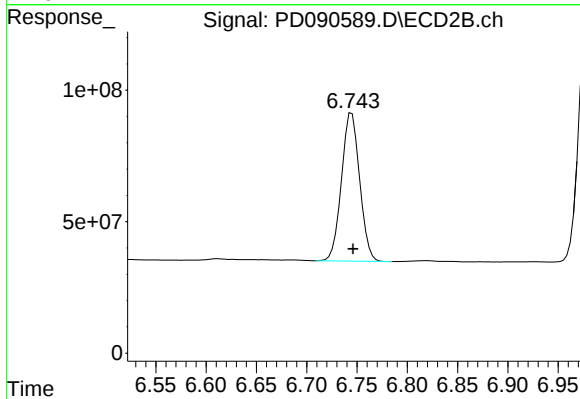
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1571371635
Conc: 48.07 ng/ml



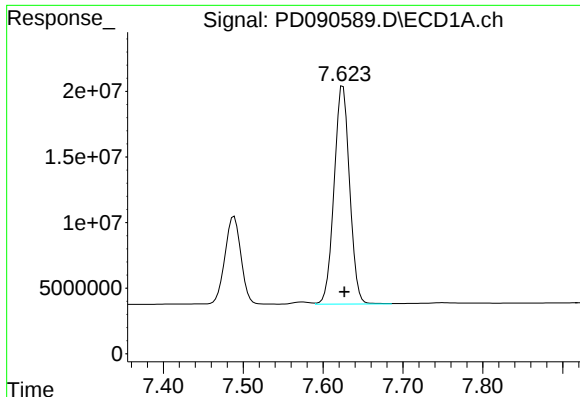
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 94134687
Conc: 39.95 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 706035147
Conc: 40.58 ng/ml



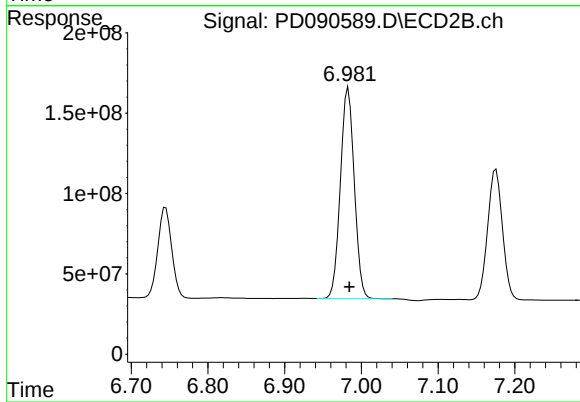
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 224418698
Conc: 45.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

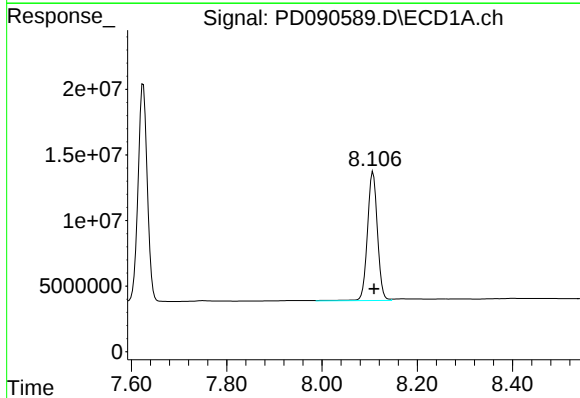
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



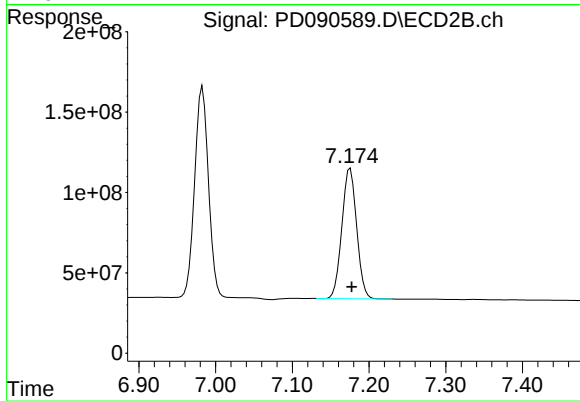
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1653221915
Conc: 45.79 ng/ml



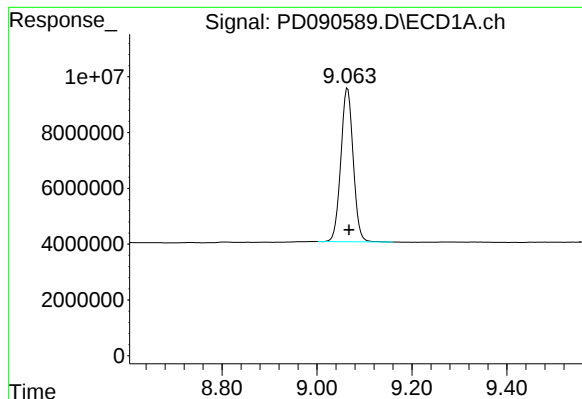
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 143556231
Conc: 38.75 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1088317760
Conc: 39.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 99419320
Conc: 20.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

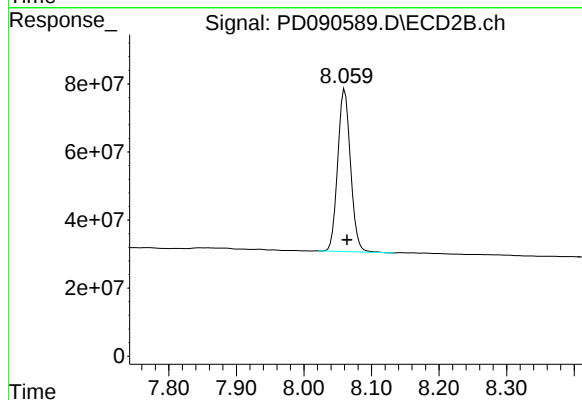
P001-DS-01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 631836930
Conc: 19.49 ng/ml

Report of Analysis

Client: Weston Solutions, Inc.	Date Collected: 10/08/25	
Project: RFP 918	Date Received: 10/09/25	
Client Sample ID: P001-DS-01MSD	SDG No.: Q3321	
Lab Sample ID: Q3321-02MSD	Matrix: TCLP	
Analytical Method: 8081B	% Solid: 0	
Sample Wt/Vol: 100 mL	Test: TCLP Pesticide	Final Vol: 10000 uL
Prep Method: 3510C		Prep Date 10/14/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
58-89-9	gamma-BHC (Lindane)	4.90		1	0.037	0.50	ug/L	10/14/25 18:04	PB170091
76-44-8	Heptachlor	4.40		1	0.027	0.50	ug/L	10/14/25 18:04	PB170091
1024-57-3	Heptachlor epoxide	4.90		1	0.096	0.50	ug/L	10/14/25 18:04	PB170091
72-20-8	Endrin	4.90		1	0.032	0.50	ug/L	10/14/25 18:04	PB170091
72-43-5	Methoxychlor	4.00		1	0.11	0.50	ug/L	10/14/25 18:04	PB170091
8001-35-2	Toxaphene	1.70	U	1	1.70	10.0	ug/L	10/14/25 18:04	PB170091
57-74-9	Chlordane	0.88	U	1	0.88	5.00	ug/L	10/14/25 18:04	PB170091
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.4			57 - 171	102%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.5			61 - 148	102%	SPK: 20		

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
Q3321-TCLP Pesticide

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_D\Data\PD101425\
 Data File : PD090590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 18:04
 Operator : AR\AJ
 Sample : Q3321-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

P001-DS-01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:41:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 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...	3.545	2.875	62369052	561.6E6	19.188	20.457
28)	SA Decachlor...	9.064	8.062	98343443	627.0E6	20.382	19.344
Target Compounds							
2)	A alpha-BHC	3.994	3.386	338.6E6	2156.5E6	48.484	49.255
3)	MA gamma-BHC...	4.325	3.723	326.3E6	1990.9E6	49.319	48.874
4)	MA Heptachlor	4.923	4.075	262.8E6	1790.2E6	39.748	43.967
5)	MB Aldrin	5.264	4.360	301.2E6	1953.1E6	47.437	48.908
6)	B beta-BHC	4.512	4.018	118.8E6	850.4E6	46.044	49.056
7)	B delta-BHC	4.759	4.255	329.4E6	2029.6E6	51.005m	49.149
8)	B Heptachlo...	5.684	4.864	267.7E6	1806.7E6	46.835	49.008
9)	A Endosulfan I	6.068	5.238	242.0E6	1687.7E6	44.810	48.769
10)	B gamma-Chl...	5.940	5.117	265.3E6	1919.6E6	46.444	48.863
11)	B alpha-Chl...	6.019	5.181	277.0E6	1835.5E6	48.087m	48.731
12)	B 4,4'-DDE	6.190	5.366	246.4E6	1868.5E6	47.323	48.812
13)	MA Dieldrin	6.341	5.504	271.6E6	1885.8E6	47.123	48.421
14)	MA Endrin	6.568	5.780	232.0E6	1741.6E6	47.404	48.606
15)	B Endosulfa...	6.780	6.072	231.2E6	1627.1E6	47.392	48.208
16)	A 4,4'-DDD	6.699	5.920	189.9E6	1562.1E6	46.345	48.171
17)	MA 4,4'-DDT	7.015	6.174	190.3E6	1443.3E6	42.740	41.983
18)	B Endrin al...	6.909	6.250	170.4E6	1211.2E6	49.671	51.436
19)	B Endosulfa...	7.144	6.474	209.7E6	1547.4E6	45.577	47.334
20)	A Methoxychlor	7.488	6.745	92650146	698.7E6	39.317	40.153
21)	B Endrin ke...	7.625	6.983	220.8E6	1636.1E6	44.631	45.317
22)	Mirex	8.108	7.175	140.4E6	1080.8E6	37.897	39.152

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 18:04
Operator : AR\AJ
Sample : Q3321-02MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

P001-DS-01MSD

Manual Integrations

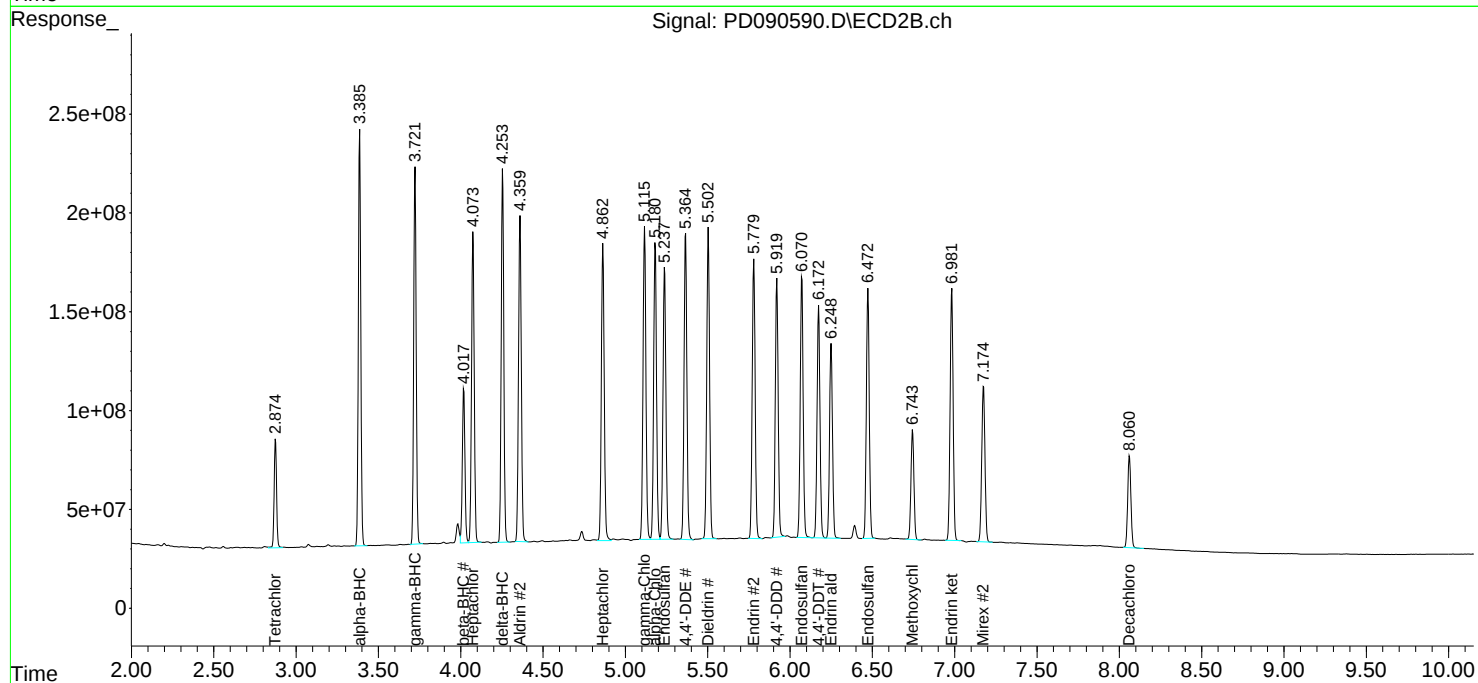
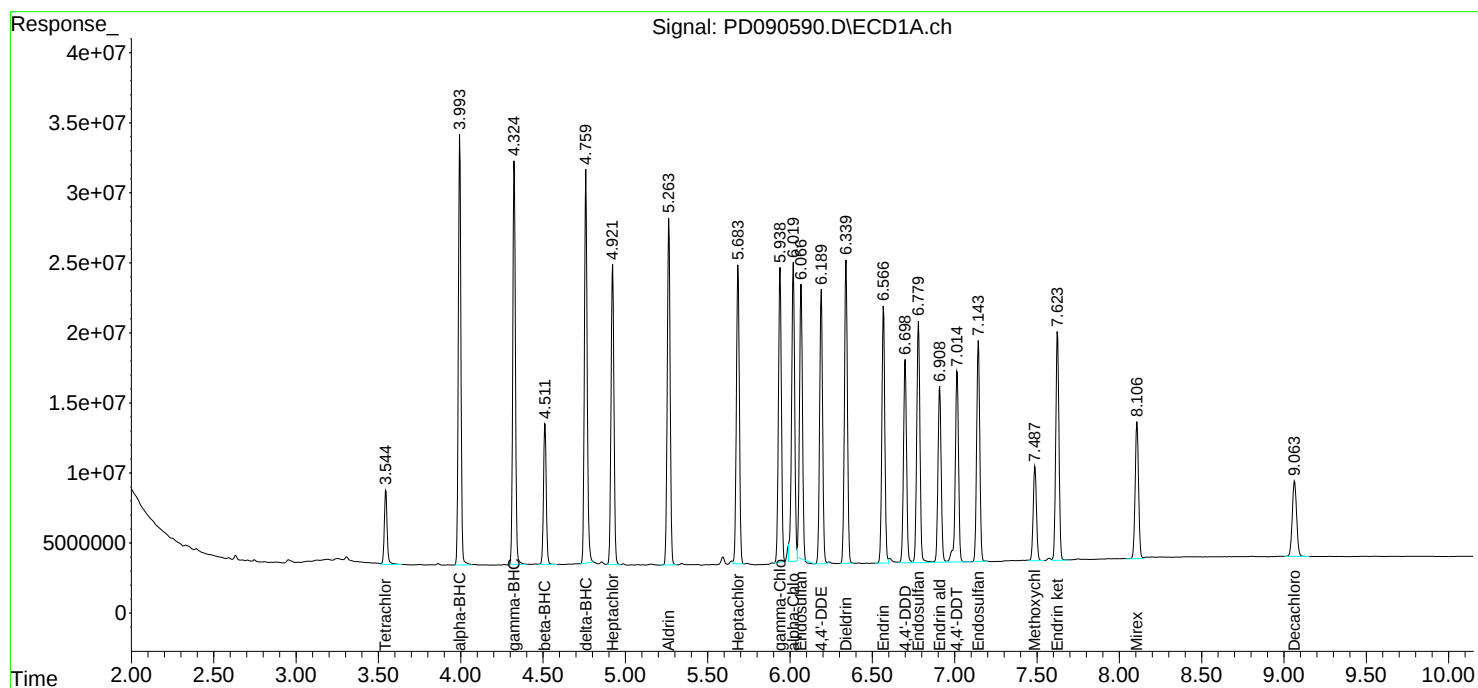
APPROVED

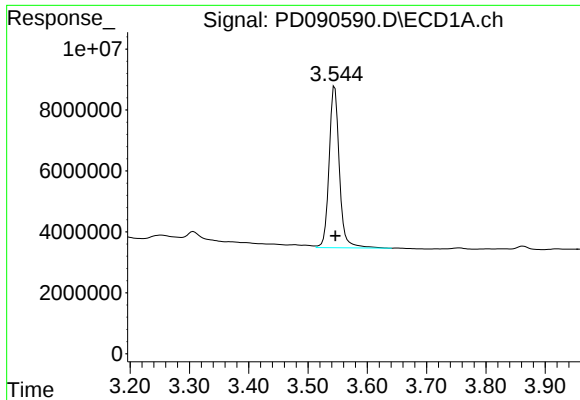
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:41:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





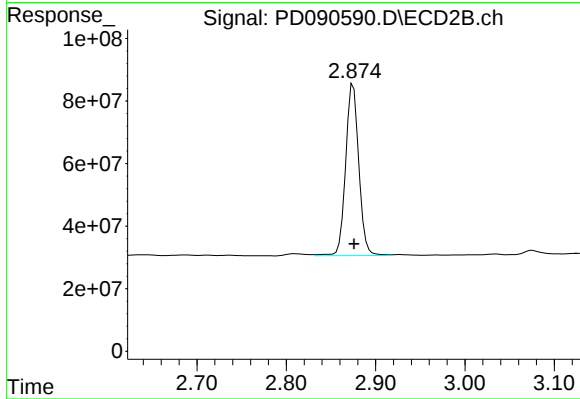
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 62369052
Conc: 19.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

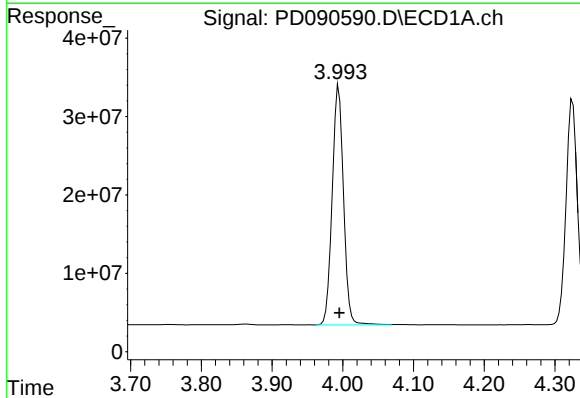
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



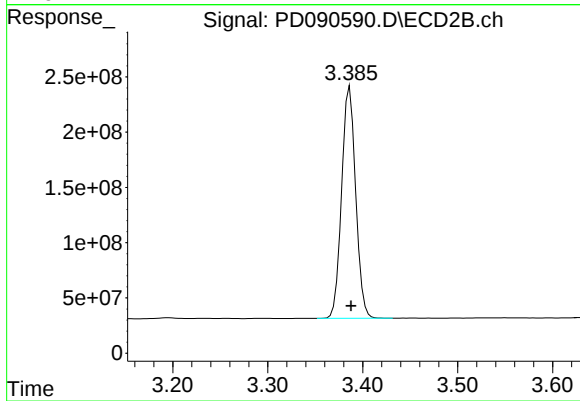
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 561557039
Conc: 20.46 ng/ml



#2 alpha-BHC

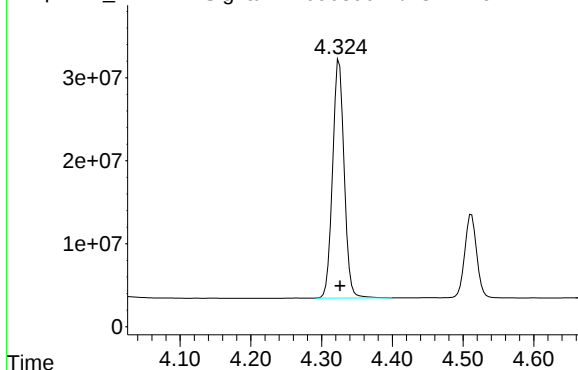
R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 338637213
Conc: 48.48 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.001 min
Response: 2156527016
Conc: 49.25 ng/ml

Response_ Signal: PD090590.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 326339926
Conc: 49.32 ng/ml

Instrument :

ECD_D

ClientSampleId :

P001-DS-01MSD

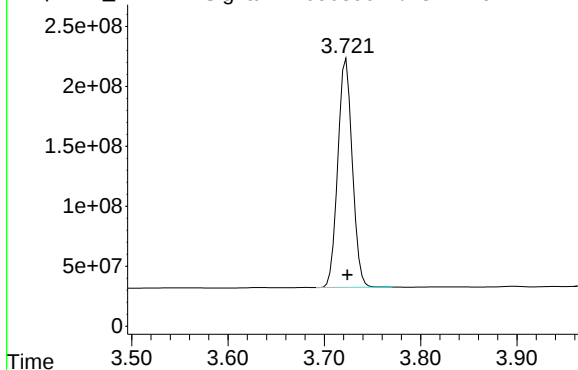
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

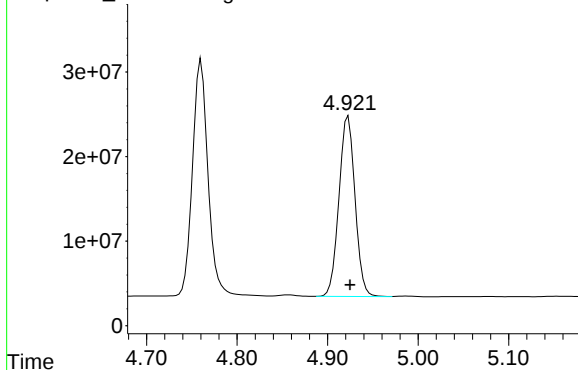
Response_ Signal: PD090590.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 1990914668
Conc: 48.87 ng/ml

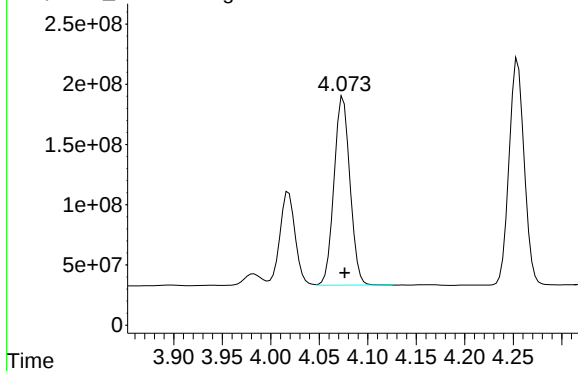
Response_ Signal: PD090590.D\ECD1A.ch



#4 Heptachlor

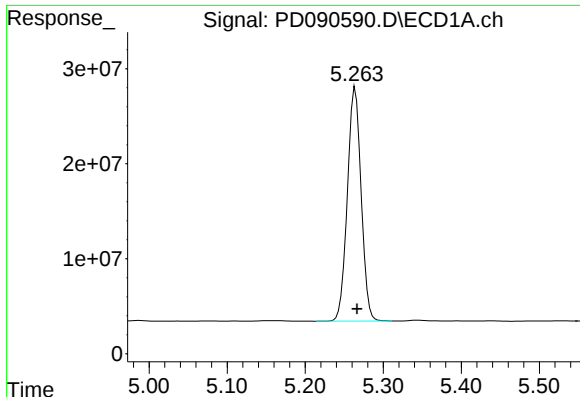
R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 262835081
Conc: 39.75 ng/ml

Response_ Signal: PD090590.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 1790190217
Conc: 43.97 ng/ml



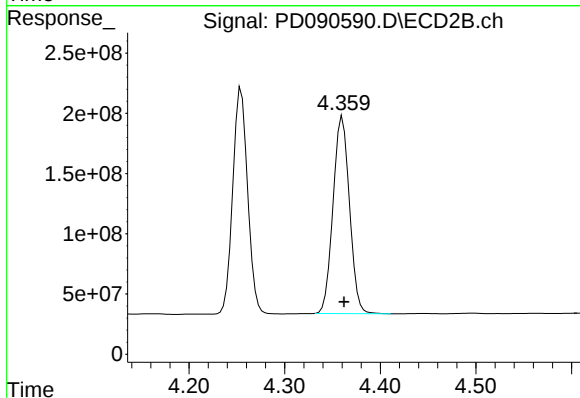
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 301223321
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

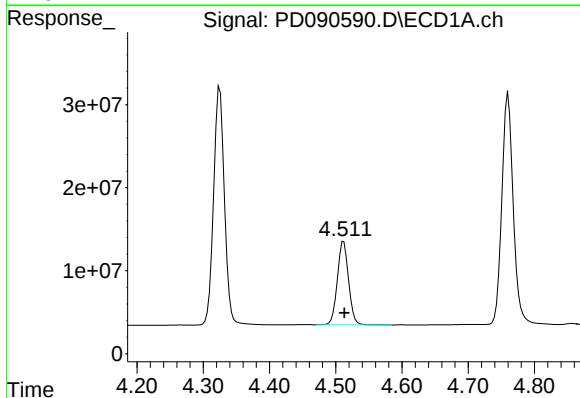
Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025



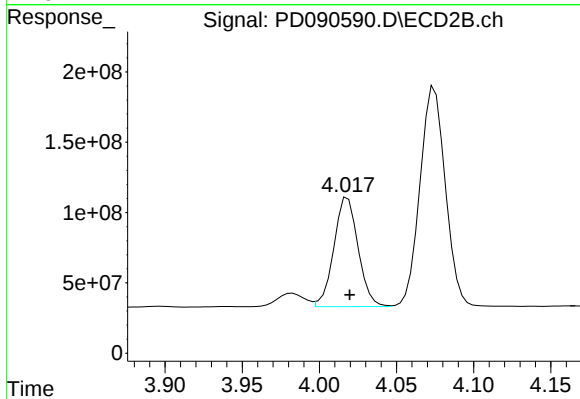
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1953141287
Conc: 48.91 ng/ml



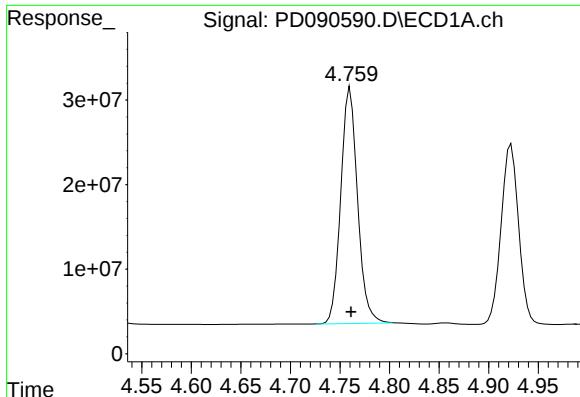
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 118788754
Conc: 46.04 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 850408081
Conc: 49.06 ng/ml



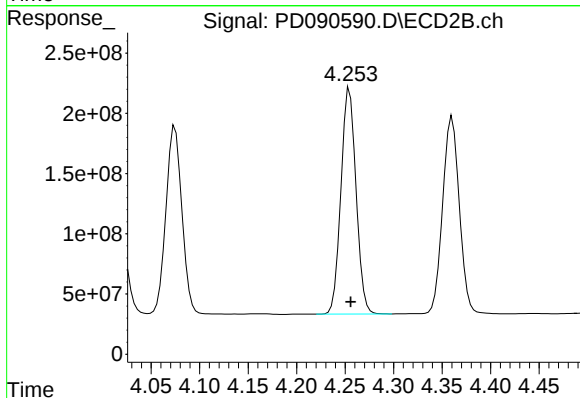
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 329361560
Conc: 51.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

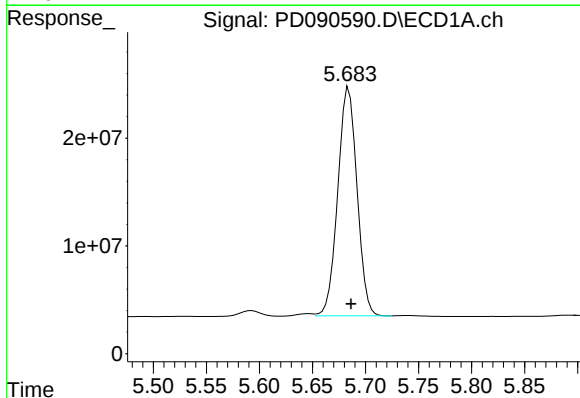
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



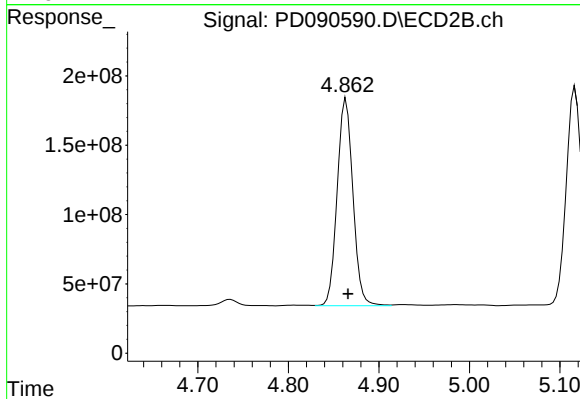
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2029609937
Conc: 49.15 ng/ml



#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 267659285
Conc: 46.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1806672378
Conc: 49.01 ng/ml

#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 242041219
Conc: 44.81 ng/ml

Instrument :

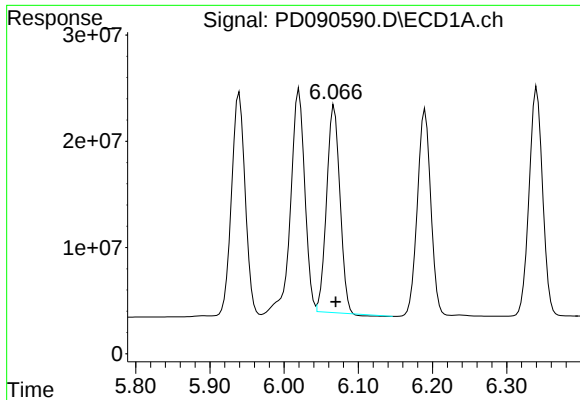
ECD_D

ClientSampleId :

P001-DS-01MSD

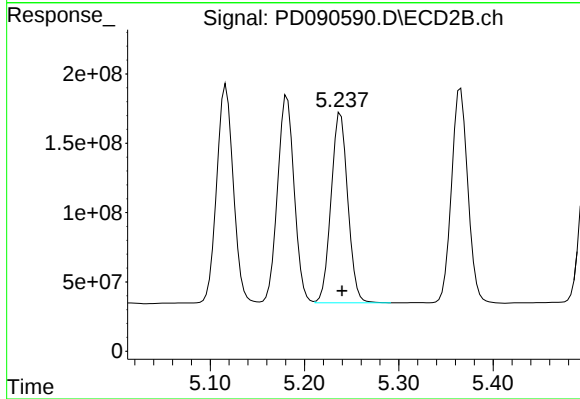
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



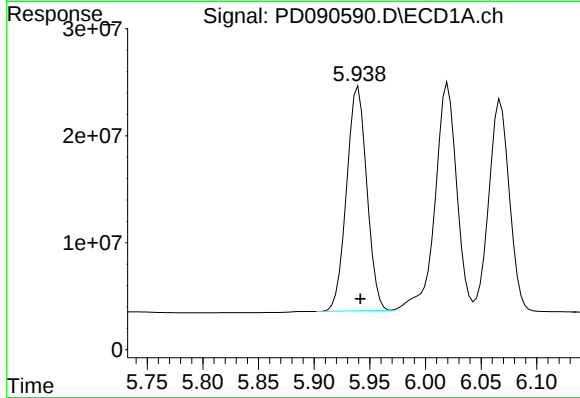
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1687653769
Conc: 48.77 ng/ml



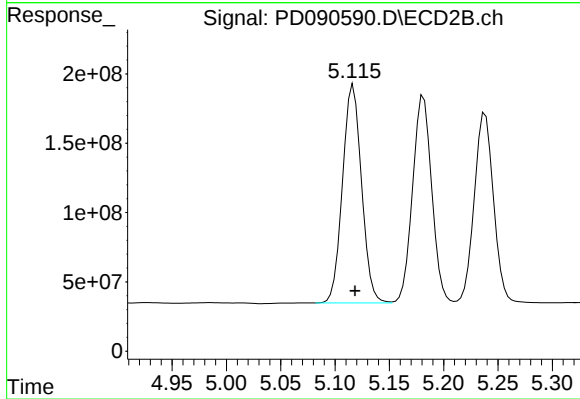
#10 gamma-Chlordane

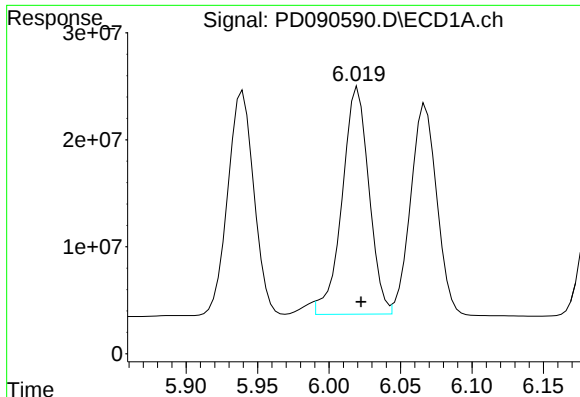
R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 265287167
Conc: 46.44 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 1919644541
Conc: 48.86 ng/ml





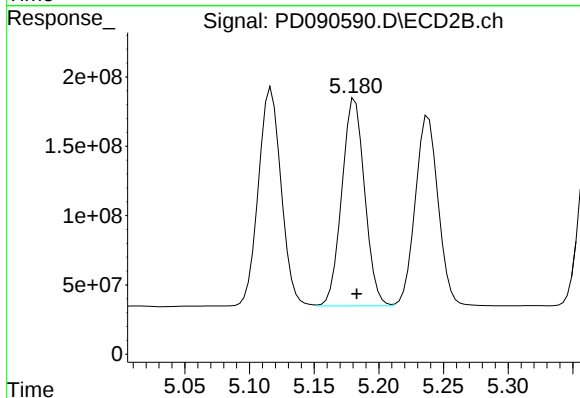
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 277020462
Conc: 48.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

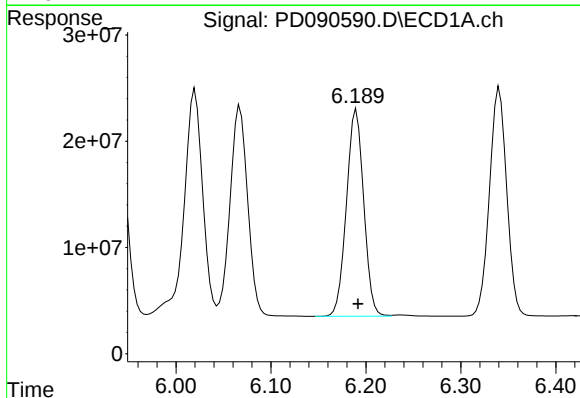
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



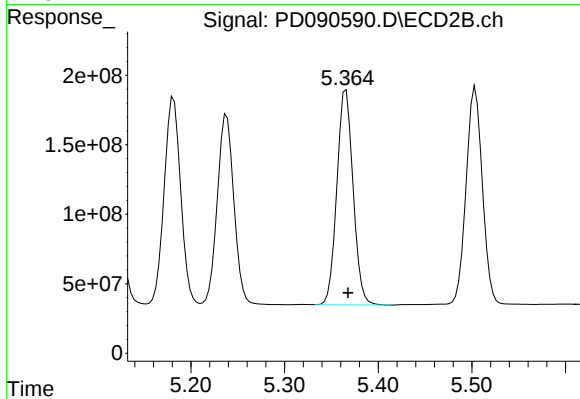
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 1835454436
Conc: 48.73 ng/ml



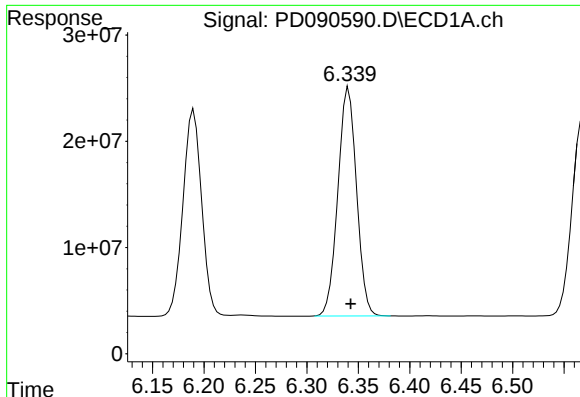
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 246436795
Conc: 47.32 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1868491729
Conc: 48.81 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 271649169
Conc: 47.12 ng/ml

Instrument :

ECD_D

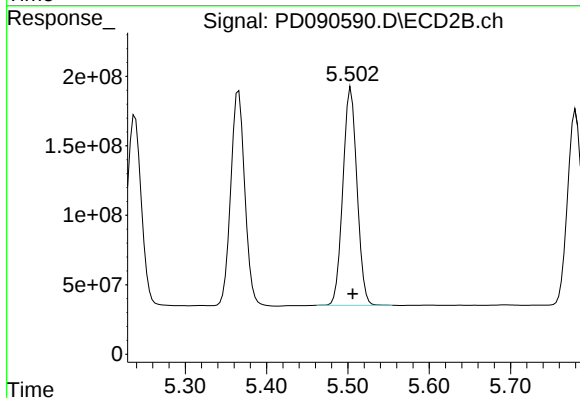
ClientSampleId :

P001-DS-01MSD

Manual Integrations

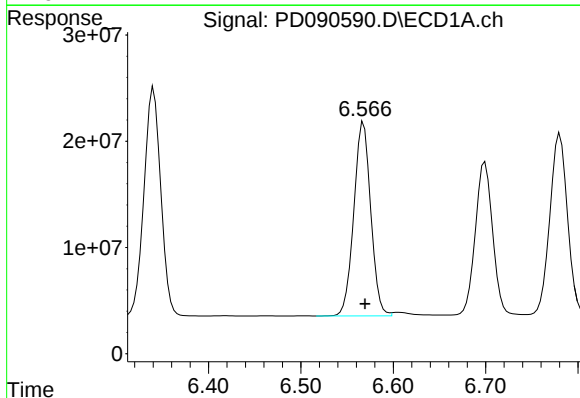
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



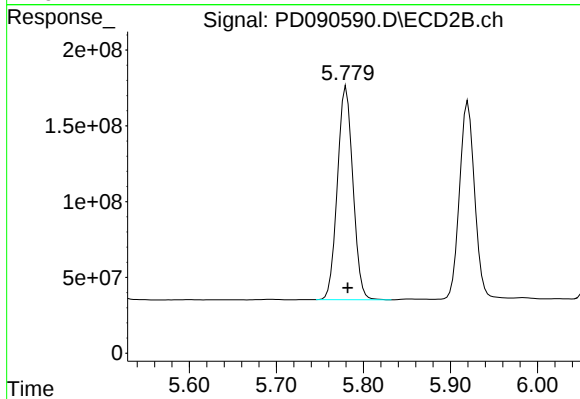
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1885783466
Conc: 48.42 ng/ml



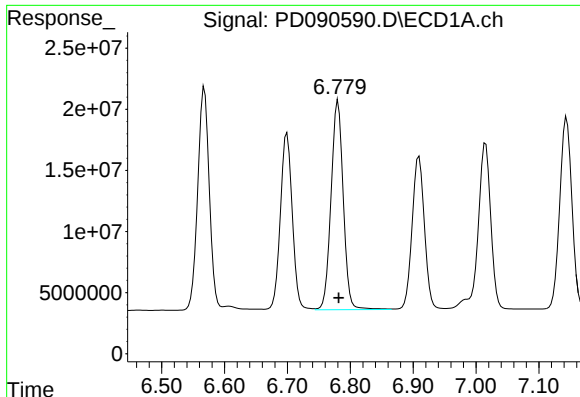
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 231993686
Conc: 47.40 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1741639667
Conc: 48.61 ng/ml



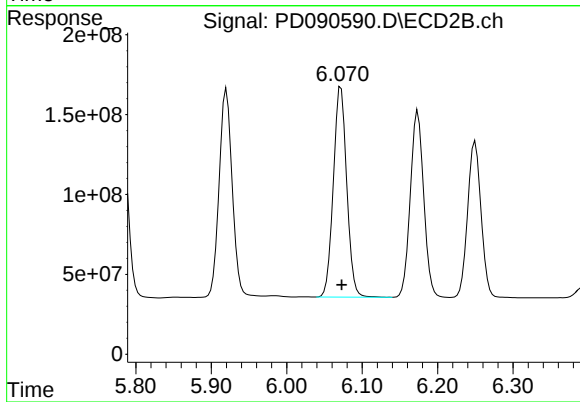
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 231171090
Conc: 47.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

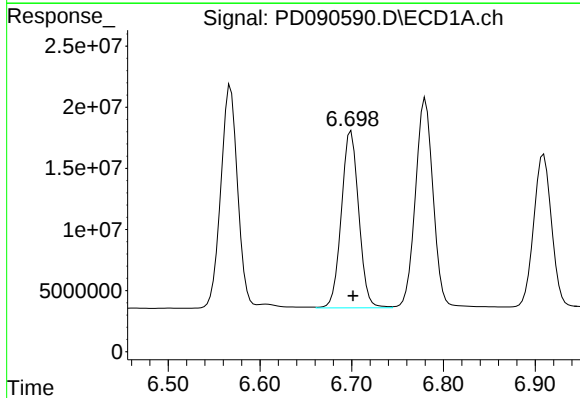
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



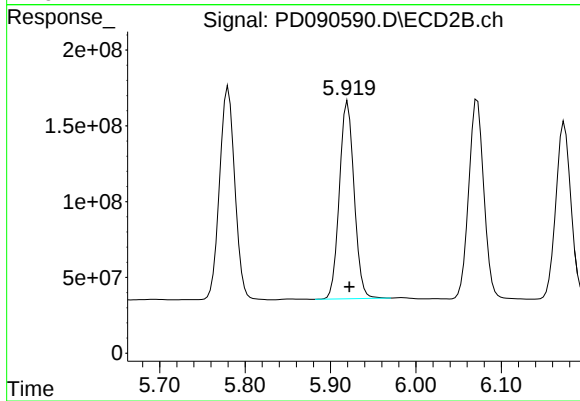
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1627064300
Conc: 48.21 ng/ml



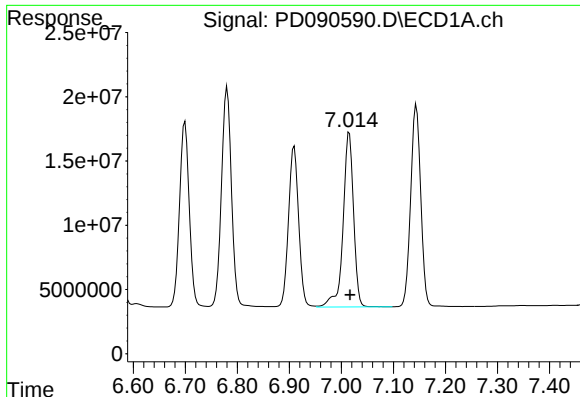
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 189913060
Conc: 46.34 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1562077278
Conc: 48.17 ng/ml



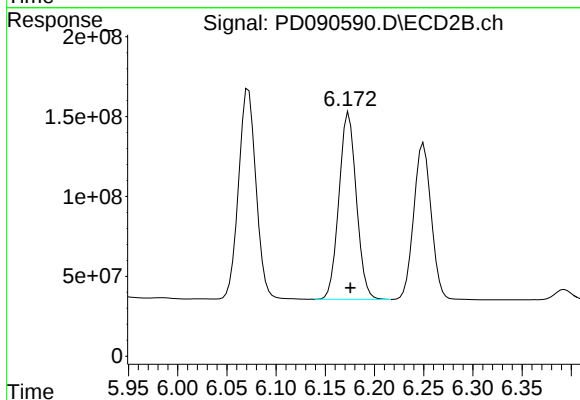
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 190296307
Conc: 42.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

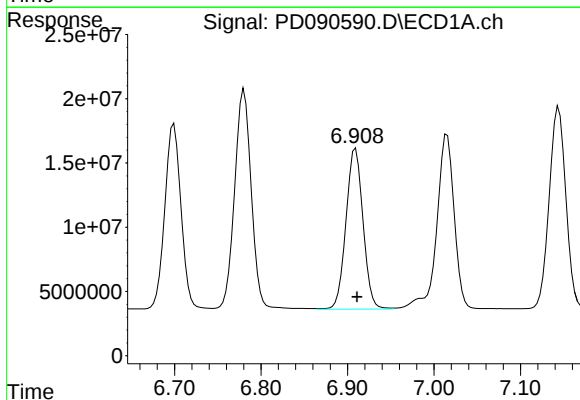
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



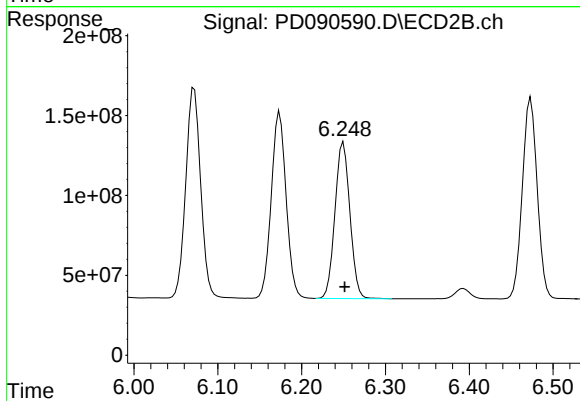
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1443345051
Conc: 41.98 ng/ml



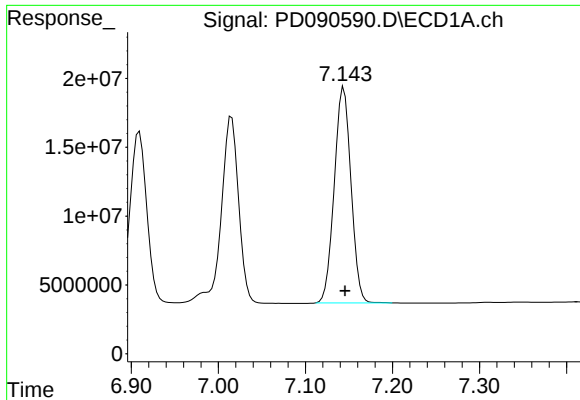
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 170402422
Conc: 49.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1211150829
Conc: 51.44 ng/ml



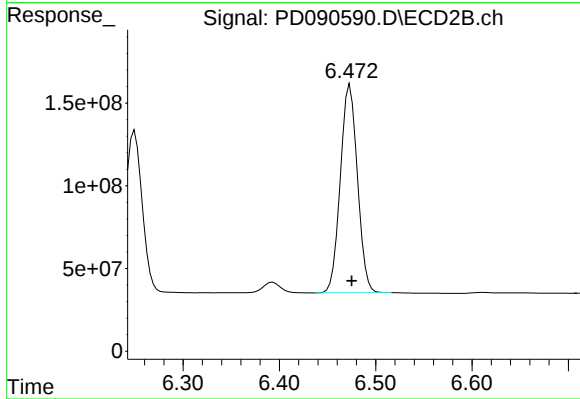
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 209672903
Conc: 45.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

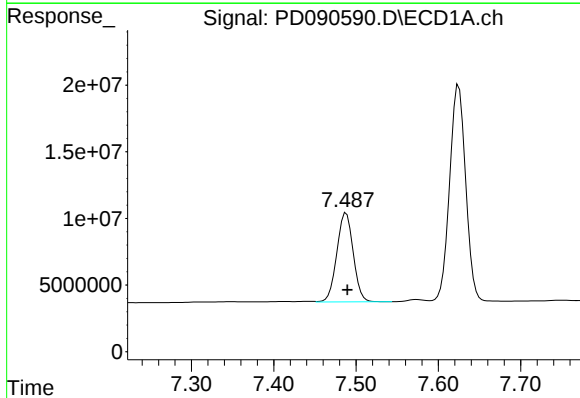
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



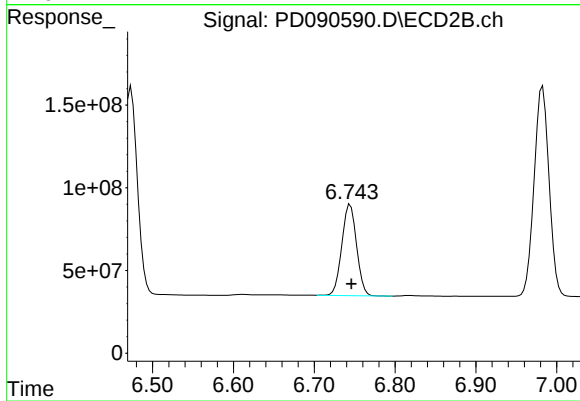
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1547364121
Conc: 47.33 ng/ml



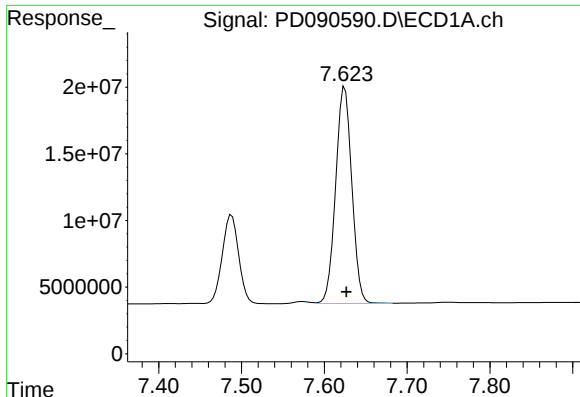
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 92650146
Conc: 39.32 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 698682353
Conc: 40.15 ng/ml



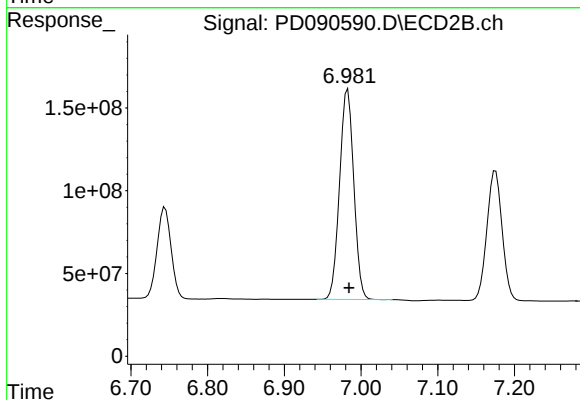
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 220806762
Conc: 44.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

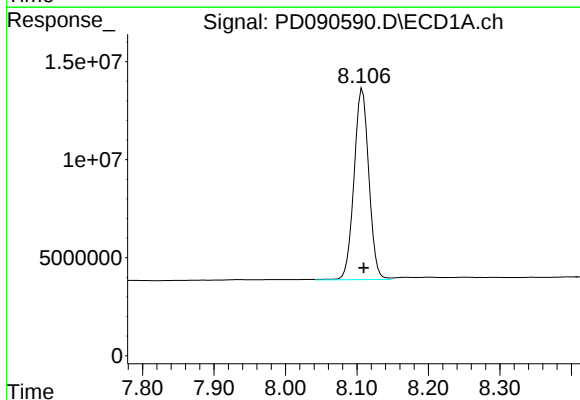
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



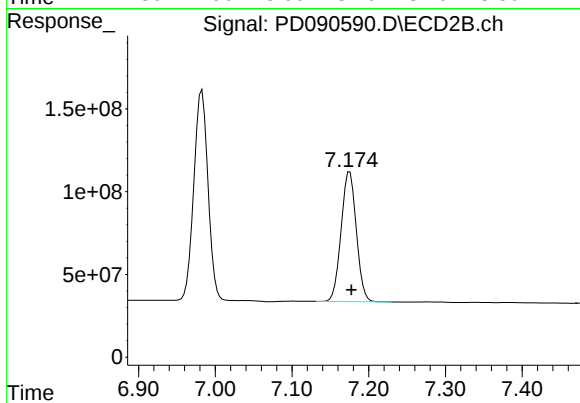
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1636067191
Conc: 45.32 ng/ml



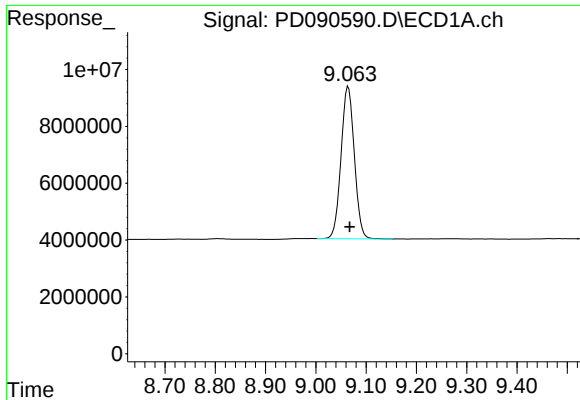
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 140403431
Conc: 37.90 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1080835670
Conc: 39.15 ng/ml



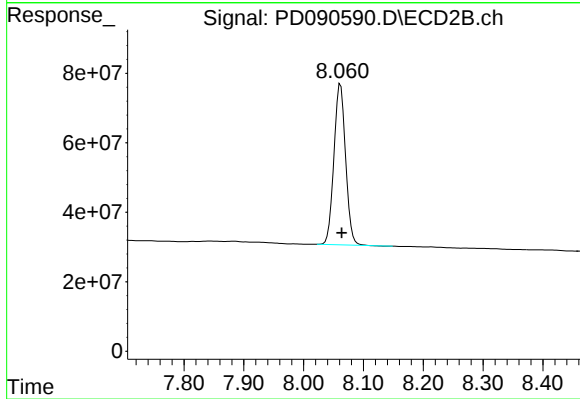
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 98343443
Conc: 20.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 627025630
Conc: 19.34 ng/ml

Manual Integration Report

Sequence:	pd091825	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090328.D	4,4"-DDD	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PEM	PD090328.D	Endrin aldehyde	Abdul	9/19/2025 9:36:57 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	4,4"-DDE #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	delta-BHC	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Endrin #2	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Heptachlor	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICC005	PD090334.D	Tetrachloro-m-xylene	Abdul	9/19/2025 9:37:00 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PSTDICV050	PD090345.D	delta-BHC	Abdul	9/19/2025 9:00:34 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software
PTOXICV500	PD090347.D	Toxaphene-5	Abdul	9/19/2025 9:00:37 AM	mohammad	9/22/2025 2:37:01	Peak Integrated by Software

Manual Integration Report

Sequence:	PD101425	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090572.D	4,4"-DDE #2	Abdul	10/15/2025 4:05:34 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PEM	PD090572.D	Endrin aldehyde	Abdul	10/15/2025 4:05:34 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PEM	PD090572.D	Endrin ketone #2	Abdul	10/15/2025 4:05:34 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PSTDCCC050	PD090573.D	delta-BHC	Abdul	10/15/2025 4:05:31 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PSTDCCC050	PD090584.D	delta-BHC	Abdul	10/15/2025 4:06:06 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
Q3321-02MS	PD090589.D	alpha-Chlordane	Abdul	10/15/2025 4:04:58 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
Q3321-02MS	PD090589.D	delta-BHC	Abdul	10/15/2025 4:04:58 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
Q3321-02MSD	PD090590.D	alpha-Chlordane	Abdul	10/15/2025 4:04:55 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
Q3321-02MSD	PD090590.D	delta-BHC	Abdul	10/15/2025 4:04:55 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PSTDCCC050	PD090592.D	4,4"-DDT	Abdul	10/15/2025 4:04:51 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software
PSTDCCC050	PD090592.D	delta-BHC	Abdul	10/15/2025 4:04:51 PM	mohammad	10/16/2025 2:12:34	Peak Integrated by Software

Manual Integration Report

Sequence:	pd101525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090595.D	4,4"-DDE #2	Abdul	10/16/2025 4:53:03 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090595.D	Endrin aldehyde	Abdul	10/16/2025 4:53:03 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090596.D	delta-BHC	Abdul	10/16/2025 4:53:00 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PB170091BS	PD090597.D	delta-BHC	Abdul	10/16/2025 4:52:56 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PB170091BS	PD090597.D	Endosulfan II	Abdul	10/16/2025 4:52:56 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PB170091BS	PD090597.D	Heptachlor epoxide	Abdul	10/16/2025 4:52:56 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090608.D	delta-BHC	Abdul	10/16/2025 4:52:22 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090613.D	4,4"-DDD	Abdul	10/16/2025 4:52:11 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090613.D	4,4"-DDE #2	Abdul	10/16/2025 4:52:11 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090613.D	Endrin aldehyde	Abdul	10/16/2025 4:52:11 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090614.D	delta-BHC	Abdul	10/16/2025 4:52:09 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090614.D	Heptachlor epoxide	Abdul	10/16/2025 4:52:09 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090621.D	4,4"-DDD	Abdul	10/16/2025 4:51:48 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software

Manual Integration Report

Sequence:	pd101525	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD090621.D	4,4"-DDE #2	Abdul	10/16/2025 4:51:48 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PEM	PD090621.D	Endrin aldehyde	Abdul	10/16/2025 4:51:48 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090622.D	delta-BHC	Abdul	10/16/2025 4:51:45 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090622.D	Endrin aldehyde	Abdul	10/16/2025 4:51:45 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software
PSTDCCC050	PD090622.D	Mirex	Abdul	10/16/2025 4:51:45 PM	mohammad	10/17/2025 10:00:13	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090326.D	18 Sep 2025 09:36	AR\AJ	Ok
2	I.BLK	PD090327.D	18 Sep 2025 09:49	AR\AJ	Ok
3	PEM	PD090328.D	18 Sep 2025 10:03	AR\AJ	Ok,M
4	RESCHK	PD090329.D	18 Sep 2025 10:16	AR\AJ	Ok
5	PSTDICC100	PD090330.D	18 Sep 2025 10:30	AR\AJ	Ok
6	PSTDICC075	PD090331.D	18 Sep 2025 10:43	AR\AJ	Ok
7	PSTDICC050	PD090332.D	18 Sep 2025 10:57	AR\AJ	Ok
8	PSTDICC025	PD090333.D	18 Sep 2025 11:11	AR\AJ	Ok
9	PSTDICC005	PD090334.D	18 Sep 2025 11:24	AR\AJ	Ok,M
10	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38	AR\AJ	Ok
11	PCHLORICC750	PD090336.D	18 Sep 2025 11:51	AR\AJ	Ok
12	PCHLORICC500	PD090337.D	18 Sep 2025 12:05	AR\AJ	Ok
13	PCHLORICC250	PD090338.D	18 Sep 2025 12:18	AR\AJ	Ok
14	PCHLORICC050	PD090339.D	18 Sep 2025 12:32	AR\AJ	Ok,M
15	PTOXICC1000	PD090340.D	18 Sep 2025 12:45	AR\AJ	Ok
16	PTOXICC750	PD090341.D	18 Sep 2025 12:59	AR\AJ	Ok
17	PTOXICC500	PD090342.D	18 Sep 2025 13:12	AR\AJ	Ok
18	PTOXICC250	PD090343.D	18 Sep 2025 13:26	AR\AJ	Ok
19	PTOXICC100	PD090344.D	18 Sep 2025 13:40	AR\AJ	Ok
20	PSTDICV050	PD090345.D	18 Sep 2025 13:53	AR\AJ	Ok,M
21	PCHLORICV500	PD090346.D	18 Sep 2025 14:07	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD090347.D	18 Sep 2025 15:21	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101425

Review By	Abdul	Review On	10/15/2025 4:06:26 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:34 AM
SubDirectory	PD101425	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090570.D	14 Oct 2025 10:12	AR\AJ	Ok
2	I.BLK	PD090571.D	14 Oct 2025 10:26	AR\AJ	Ok
3	PEM	PD090572.D	14 Oct 2025 10:40	AR\AJ	Ok,M
4	PSTDCCC050	PD090573.D	14 Oct 2025 11:18	AR\AJ	Ok,M
5	PB170065BL	PD090574.D	14 Oct 2025 11:38	AR\AJ	Ok
6	PB170065BS	PD090575.D	14 Oct 2025 11:53	AR\AJ	Ok,M
7	Q3323-01	PD090576.D	14 Oct 2025 12:11	AR\AJ	Ok,M
8	Q3323-02	PD090577.D	14 Oct 2025 12:24	AR\AJ	Ok,M
9	Q3323-03	PD090578.D	14 Oct 2025 12:38	AR\AJ	Ok,M
10	Q3323-04	PD090579.D	14 Oct 2025 12:51	AR\AJ	Ok,M
11	Q3323-05	PD090580.D	14 Oct 2025 13:04	AR\AJ	Ok,M
12	Q3323-06	PD090581.D	14 Oct 2025 13:18	AR\AJ	Ok,M
13	Q3323-07	PD090582.D	14 Oct 2025 13:31	AR\AJ	Ok,M
14	I.BLK	PD090583.D	14 Oct 2025 13:48	AR\AJ	Ok
15	PSTDCCC050	PD090584.D	14 Oct 2025 14:59	AR\AJ	Ok,M
16	PB170091BL	PD090585.D	14 Oct 2025 16:56	AR\AJ	Ok
17	PB170091BS	PD090586.D	14 Oct 2025 17:10	AR\AJ	Not Ok
18	PB170062TB	PD090587.D	14 Oct 2025 17:23	AR\AJ	Ok
19	Q3321-02	PD090588.D	14 Oct 2025 17:37	AR\AJ	Ok
20	Q3321-02MS	PD090589.D	14 Oct 2025 17:51	AR\AJ	Ok,M
21	Q3321-02MSD	PD090590.D	14 Oct 2025 18:04	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101425

Review By	Abdul	Review On	10/15/2025 4:06:26 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:34 AM
SubDirectory	PD101425	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	I.BLK	PD090591.D	14 Oct 2025 18:18	AR\AJ	Ok
23	PSTDCCC050	PD090592.D	14 Oct 2025 18:32	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By	mohammad	Supervise On	10/17/2025 10:00:13 AM
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD090593.D	15 Oct 2025 09:05	AR\AJ	Ok
2	I.BLK	PD090594.D	15 Oct 2025 09:19	AR\AJ	Ok
3	PEM	PD090595.D	15 Oct 2025 09:33	AR\AJ	Ok,M
4	PSTDCCC050	PD090596.D	15 Oct 2025 09:46	AR\AJ	Ok,M
5	PB170091BS	PD090597.D	15 Oct 2025 11:47	AR\AJ	Ok,M
6	PB170103BL	PD090598.D	15 Oct 2025 12:13	AR\AJ	Ok
7	PB170103BS	PD090599.D	15 Oct 2025 12:27	AR\AJ	Ok,M
8	Q3337-01	PD090600.D	15 Oct 2025 12:43	AR\AJ	Ok,M
9	Q3337-03	PD090601.D	15 Oct 2025 12:56	AR\AJ	Ok,M
10	Q3343-01	PD090602.D	15 Oct 2025 13:10	AR\AJ	Ok,M
11	Q3345-01	PD090603.D	15 Oct 2025 13:24	AR\AJ	Ok,M
12	Q3345-03	PD090604.D	15 Oct 2025 13:37	AR\AJ	Ok,M
13	Q3345-05	PD090605.D	15 Oct 2025 13:51	AR\AJ	Ok,M
14	Q3345-07	PD090606.D	15 Oct 2025 15:00	AR\AJ	Ok
15	I.BLK	PD090607.D	15 Oct 2025 15:13	AR\AJ	Ok
16	PSTDCCC050	PD090608.D	15 Oct 2025 16:33	AR\AJ	Ok,M
17	PB170104BL	PD090609.D	15 Oct 2025 16:46	AR\AJ	Ok
18	PB170104BS	PD090610.D	15 Oct 2025 17:00	AR\AJ	Ok,M
19	PB170104BSD	PD090611.D	15 Oct 2025 17:14	AR\AJ	Ok,M
20	I.BLK	PD090612.D	15 Oct 2025 17:27	AR\AJ	Ok
21	PEM	PD090613.D	15 Oct 2025 17:41	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By	mohammad	Supervise On	10/17/2025 10:00:13 AM
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PD090614.D	15 Oct 2025 17:55	AR\AJ	Ok,M
23	Q3341-01	PD090615.D	15 Oct 2025 18:49	AR\AJ	Ok,M
24	Q3341-01MS	PD090616.D	15 Oct 2025 19:03	AR\AJ	Ok,M
25	Q3341-01MSD	PD090617.D	15 Oct 2025 19:17	AR\AJ	Ok,M
26	Q3341-02	PD090618.D	15 Oct 2025 19:30	AR\AJ	Ok,M
27	Q3341-03	PD090619.D	15 Oct 2025 19:44	AR\AJ	Ok,M
28	I.BLK	PD090620.D	15 Oct 2025 19:58	AR\AJ	Ok
29	PEM	PD090621.D	15 Oct 2025 20:11	AR\AJ	Ok,M
30	PSTDCCC050	PD090622.D	15 Oct 2025 20:25	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090326.D	18 Sep 2025 09:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD090327.D	18 Sep 2025 09:49		AR\AJ	Ok
3	PEM	PEM	PD090328.D	18 Sep 2025 10:03		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD090329.D	18 Sep 2025 10:16		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD090330.D	18 Sep 2025 10:30		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD090331.D	18 Sep 2025 10:43		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD090332.D	18 Sep 2025 10:57		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD090333.D	18 Sep 2025 11:11		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD090334.D	18 Sep 2025 11:24		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD090335.D	18 Sep 2025 11:38		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD090336.D	18 Sep 2025 11:51		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD090337.D	18 Sep 2025 12:05		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD090338.D	18 Sep 2025 12:18		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD090339.D	18 Sep 2025 12:32		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD090340.D	18 Sep 2025 12:45		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD090341.D	18 Sep 2025 12:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD090342.D	18 Sep 2025 13:12		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD090343.D	18 Sep 2025 13:26		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD091825

Review By	Abdul	Review On	10/2/2025 10:15:46 AM
Supervise By	Sohil	Supervise On	10/2/2025 10:03:44 AM
SubDirectory	PD091825	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD090344.D	18 Sep 2025 13:40		AR\AJ	Ok
20	PSTDICV050	ICVPD091825	PD090345.D	18 Sep 2025 13:53		AR\AJ	Ok,M
21	PCHLORICV500	ICVPD091825CHLOR	PD090346.D	18 Sep 2025 14:07		AR\AJ	Ok
22	PTOXICV500	ICVPD091825TOX	PD090347.D	18 Sep 2025 15:21		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101425

Review By	Abdul	Review On	10/15/2025 4:06:26 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:34 AM
SubDirectory	PD101425	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090570.D	14 Oct 2025 10:12		AR\AJ	Ok
2	I.BLK	I.BLK	PD090571.D	14 Oct 2025 10:26		AR\AJ	Ok
3	PEM	PEM	PD090572.D	14 Oct 2025 10:40		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090573.D	14 Oct 2025 11:18		AR\AJ	Ok,M
5	PB170065BL	PB170065BL	PD090574.D	14 Oct 2025 11:38		AR\AJ	Ok
6	PB170065BS	PB170065BS	PD090575.D	14 Oct 2025 11:53		AR\AJ	Ok,M
7	Q3323-01	SED-01-0-2	PD090576.D	14 Oct 2025 12:11		AR\AJ	Ok,M
8	Q3323-02	SED-02-0-2	PD090577.D	14 Oct 2025 12:24		AR\AJ	Ok,M
9	Q3323-03	SED-03-0-2	PD090578.D	14 Oct 2025 12:38		AR\AJ	Ok,M
10	Q3323-04	SED-04-0-2	PD090579.D	14 Oct 2025 12:51		AR\AJ	Ok,M
11	Q3323-05	SED-05-0-2	PD090580.D	14 Oct 2025 13:04		AR\AJ	Ok,M
12	Q3323-06	SED-06-0-2	PD090581.D	14 Oct 2025 13:18		AR\AJ	Ok,M
13	Q3323-07	SED-07-0-2	PD090582.D	14 Oct 2025 13:31		AR\AJ	Ok,M
14	I.BLK	I.BLK	PD090583.D	14 Oct 2025 13:48		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD090584.D	14 Oct 2025 14:59		AR\AJ	Ok,M
16	PB170091BL	PB170091BL	PD090585.D	14 Oct 2025 16:56		AR\AJ	Ok
17	PB170091BS	PB170091BS	PD090586.D	14 Oct 2025 17:10	Methoxychlor-I Recovery Fail	AR\AJ	Not Ok
18	PB170062TB	PB170062TB	PD090587.D	14 Oct 2025 17:23		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101425

Review By	Abdul	Review On	10/15/2025 4:06:26 PM
Supervise By	mohammad	Supervise On	10/16/2025 2:12:34 AM
SubDirectory	PD101425	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3321-02	P001-DS-01	PD090588.D	14 Oct 2025 17:37		AR\AJ	Ok
20	Q3321-02MS	P001-DS-01MS	PD090589.D	14 Oct 2025 17:51		AR\AJ	Ok,M
21	Q3321-02MSD	P001-DS-01MSD	PD090590.D	14 Oct 2025 18:04		AR\AJ	Ok,M
22	I.BLK	I.BLK	PD090591.D	14 Oct 2025 18:18		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PD090592.D	14 Oct 2025 18:32		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By	mohammad	Supervise On	10/17/2025 10:00:13 AM
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24942,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD090593.D	15 Oct 2025 09:05		AR\AJ	Ok
2	I.BLK	I.BLK	PD090594.D	15 Oct 2025 09:19		AR\AJ	Ok
3	PEM	PEM	PD090595.D	15 Oct 2025 09:33		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD090596.D	15 Oct 2025 09:46		AR\AJ	Ok,M
5	PB170091BS	PB170091BS	PD090597.D	15 Oct 2025 11:47		AR\AJ	Ok,M
6	PB170103BL	PB170103BL	PD090598.D	15 Oct 2025 12:13		AR\AJ	Ok
7	PB170103BS	PB170103BS	PD090599.D	15 Oct 2025 12:27		AR\AJ	Ok,M
8	Q3337-01	LAYDOWN-YARD-1	PD090600.D	15 Oct 2025 12:43		AR\AJ	Ok,M
9	Q3337-03	LAYDOWN-YARD-2	PD090601.D	15 Oct 2025 12:56		AR\AJ	Ok,M
10	Q3343-01	SOIL-ROLLOFF-WC-1	PD090602.D	15 Oct 2025 13:10	DCB high 1st column	AR\AJ	Ok,M
11	Q3345-01	TANK-FARM-SOIL	PD090603.D	15 Oct 2025 13:24		AR\AJ	Ok,M
12	Q3345-03	2ND-STREET-SOIL	PD090604.D	15 Oct 2025 13:37		AR\AJ	Ok,M
13	Q3345-05	M-R-SOIL	PD090605.D	15 Oct 2025 13:51	DCB high 1st column	AR\AJ	Ok,M
14	Q3345-07	TANK-FARM-WATER	PD090606.D	15 Oct 2025 15:00		AR\AJ	Ok
15	I.BLK	I.BLK	PD090607.D	15 Oct 2025 15:13		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD090608.D	15 Oct 2025 16:33		AR\AJ	Ok,M
17	PB170104BL	PB170104BL	PD090609.D	15 Oct 2025 16:46		AR\AJ	Ok
18	PB170104BS	PB170104BS	PD090610.D	15 Oct 2025 17:00		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD101525

Review By	Abdul	Review On	10/16/2025 4:53:59 PM
Supervise By	mohammad	Supervise On	10/17/2025 10:00:13 AM
SubDirectory	PD101525	HP Acquire Method	HP Processing Method pd091825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24942,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB170104BSD	PB170104BSD	PD090611.D	15 Oct 2025 17:14		AR\AJ	Ok,M
20	I.BLK	I.BLK	PD090612.D	15 Oct 2025 17:27		AR\AJ	Ok
21	PEM	PEM	PD090613.D	15 Oct 2025 17:41		AR\AJ	Ok,M
22	PSTDCCC050	PSTDCCC050	PD090614.D	15 Oct 2025 17:55		AR\AJ	Ok,M
23	Q3341-01	C-1	PD090615.D	15 Oct 2025 18:49		AR\AJ	Ok,M
24	Q3341-01MS	C-1MS	PD090616.D	15 Oct 2025 19:03		AR\AJ	Ok,M
25	Q3341-01MSD	C-1MSD	PD090617.D	15 Oct 2025 19:17		AR\AJ	Ok,M
26	Q3341-02	C-2	PD090618.D	15 Oct 2025 19:30		AR\AJ	Ok,M
27	Q3341-03	C-3	PD090619.D	15 Oct 2025 19:44		AR\AJ	Ok,M
28	I.BLK	I.BLK	PD090620.D	15 Oct 2025 19:58		AR\AJ	Ok
29	PEM	PEM	PD090621.D	15 Oct 2025 20:11		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PD090622.D	15 Oct 2025 20:25		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 40718710

Start Prep Date : 10/10/2025 **Time :** 17:00

End Prep Date : 10/11/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A 180

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : [Signature]

Supervisor By : [Signature]

Standardized Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked,30 rpm. q3327-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/13/25 11:00	[Signature] 120 Room	SLB. RJ/ET
	Preparation Group	Analysis Group [Signature]

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170062TB	LEB062	N/A	N/A	N/A	N/A	N/A	N/A
Q3321-02	P001-DS-01	N/A	N/A	N/A	N/A	100	N/A
Q3326-04	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q3326-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q3327-02	HADLEY-ROAD	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB170062TB	LEB062	N/A	N/A	N/A	N/A	#1	4.93
Q3321-02	P001-DS-01	5.02	96.5	8.0	3.5	#1	4.93
Q3326-04	TP-1	5.01	96.5	6.0	2.0	#1	4.93
Q3326-08	TP-2	5.02	96.5	7.0	2.5	#1	4.93
Q3327-02	HADLEY-ROAD	5.03	96.5	6.2	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q3321 WorkList ID : 192394 Department : TCLP Extraction Date : 10-10-2025 12:39:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3321-02	P001-DS-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	D41	10/08/2025	1311
Q3326-04	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3326-08	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311
Q3327-02	HADLEY-ROAD	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	10/10/2025	1311

Date/Time 10/10/25 14:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/10/25 17:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: N/A **Extraction Start Date :** 10/14/2025

Matrix : Water **Extraction Start Time :** 08:45

Weigh By: N/A **Extraction By:** RJ **Extraction End Date :** 10/14/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 13:00

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3953 **Hood ID:** 4,6,7 **Supervisor By :** N/A

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3973
Baked Na2SO4	N/A	EP2652
Hexane	N/A	E3978
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: WATER BATH-1 **Envap ID:** NEVAP-02

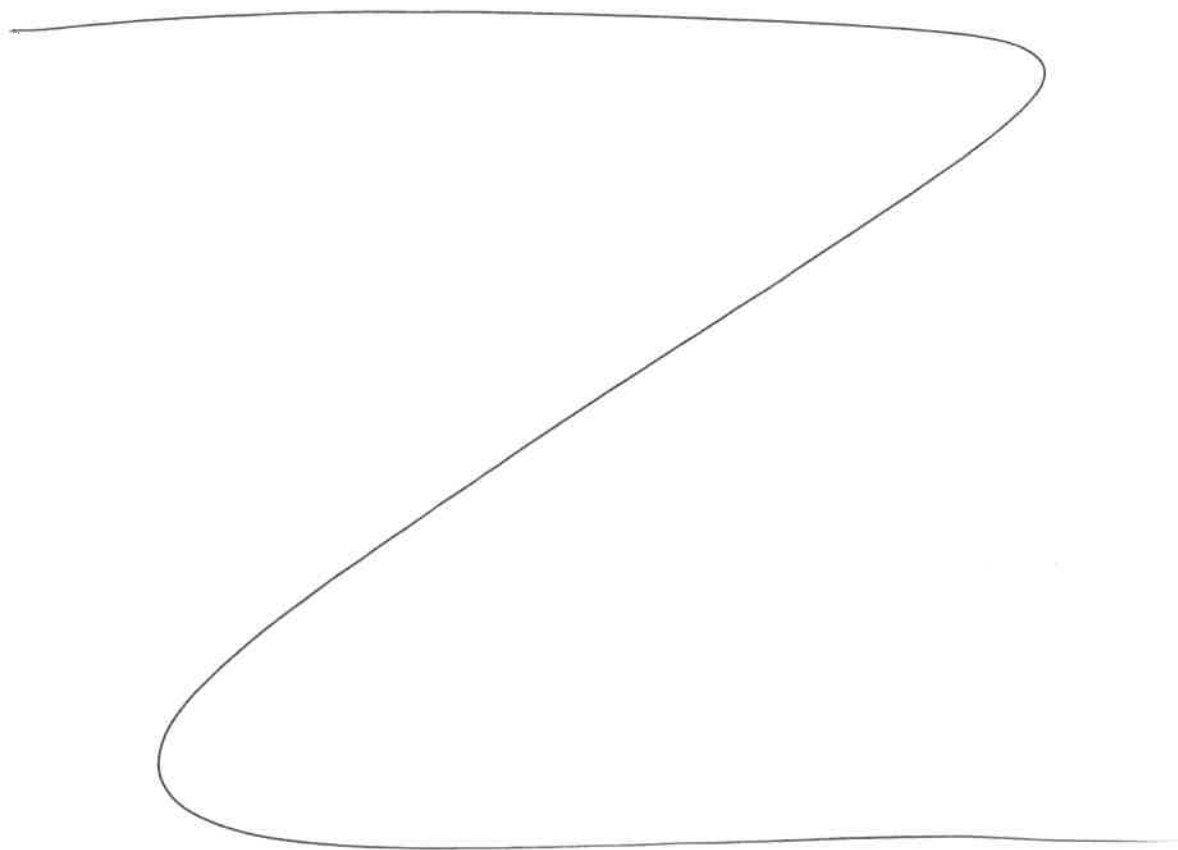
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/14/25	RS (B4 lab)	Y-P-PegHP CB
13:05	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 10/14/2025

Sample ID	Client Sample ID	Test	g / ml	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170062TB	PB170062TB	TCLP Pesticide	100	6	ritesh	Evelyn	10			SEP-7
PB170091BL	PBLK091	TCLP Pesticide	1000	6	ritesh	Evelyn	10			8
PB170091BS	PLCS091	TCLP Pesticide	1000	6	ritesh	Evelyn	10			9
Q3321-02	P001-DS-01	TCLP Pesticide	100	6	ritesh	Evelyn	10	A		10
Q3321-02MS	P001-DS-01MS	TCLP Pesticide	100	6	ritesh	Evelyn	10	A		11
Q3321-02MS D	P001-DS-01MSD	TCLP Pesticide	100	6	ritesh	Evelyn	10	A		12



Rs
10/14

* Extracts relinquished on the same date as received.

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pre Pos
PB170062TB	LEB062	05	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-1
Q3321-02	P001-DS-01	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q3326-04	TP-1	02	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q3326-08	TP-2	03	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q3327-02	HADLEY-ROAD	04	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1

10/13/25
mcc

Prep Standard - Chemical Standard Summary

Order ID : Q3321

Test : TCLP Pesticide

Prepbatch ID : PB170091,

Sequence ID/Qc Batch ID: PD101425,pd101525,

Standard ID :

EP2652,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,P
P24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,P
P24760,PP24761,PP24762,PP24763,PP24764,PP24766,PP24942,

Chemical ID :

E3875,E3941,E3944,E3955,E3956,E3971,E3973,E3978,P12604,P12610,P13038,P13041,P13196,P13246,P13774,P13
780,P13786,P13788,P13862,P9053,

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>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

<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	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel
								07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = 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	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = 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)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = 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)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = 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>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = 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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = 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>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = 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>
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = 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>
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = 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>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = 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>
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = 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>
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = 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>
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = 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>
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = 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>
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = 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>
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = 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>
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = 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>
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = 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>
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = 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>
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
07/24/2025								

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = 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)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.50000ml of PP24749 = 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	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								08/19/2025

FROM 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = 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>
758	PEM Mix w/Surr	PP24942	09/24/2025	03/24/2026	Abdul Mirza	None	None	Yogesh Patel
FROM 1.00000ml of P13780 + 99.00000ml of E3971 = Final Quantity: 100.000 ml								

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

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	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

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)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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)	25C0362005	04/30/2026	09/15/2025 / Evelyn	09/04/2025 / Riteshkumar	E3971

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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)	25C0362006	04/13/2026	10/13/2025 / RUPESH	10/08/2025 / Riteshkumar	E3978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

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	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

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	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

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	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

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	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32074 / Pesticide Performance Evaluation Mix w/Surrogate	A0213999	03/24/2026	09/24/2025 / Abdul	11/19/2024 / Ankita	P13780

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	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

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	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

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	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

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	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

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

Harout Sahagian

Recd. by RI on 6/11/25

E3941

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.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date: 2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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

Received on 7/16/25

E 3955

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3971

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362006

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

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	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3978



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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039
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 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

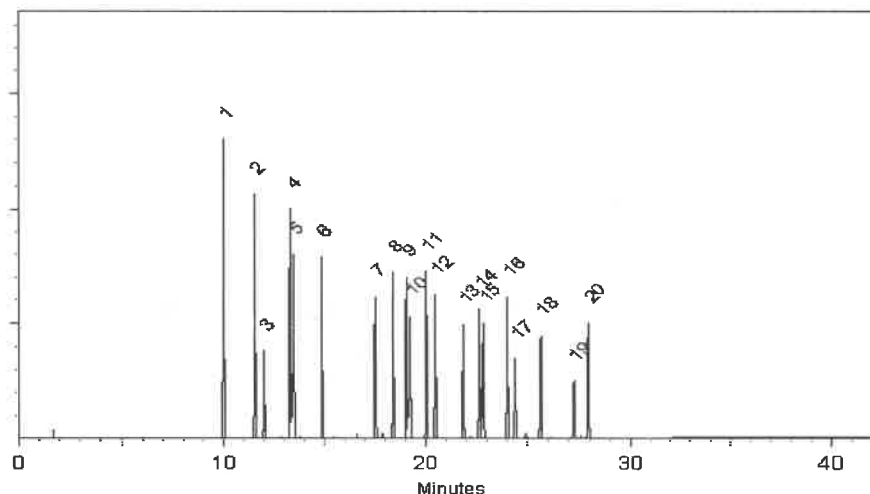
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

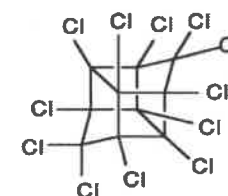
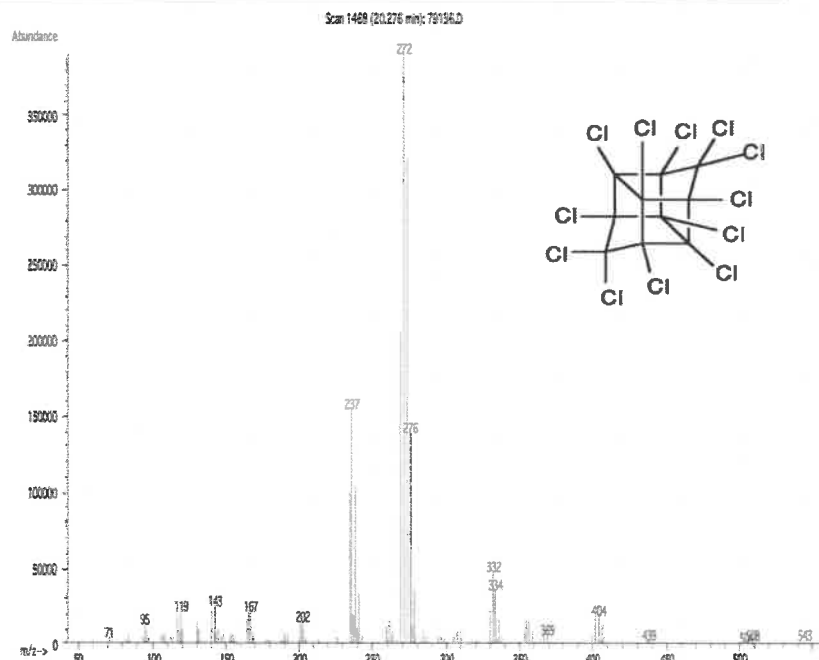
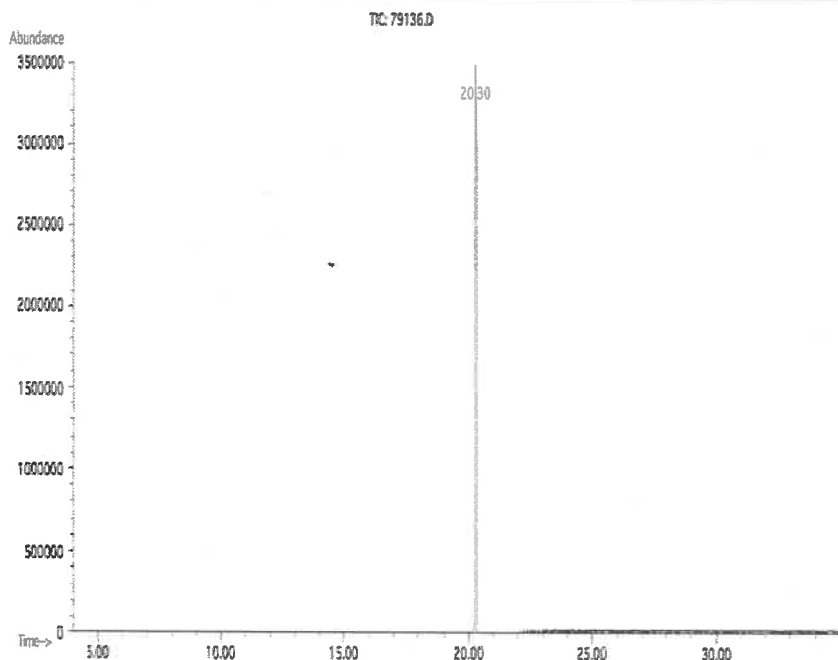
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

Expanded
Uncertainty
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
HARRIS
D
3/3/20
5/5/20
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]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

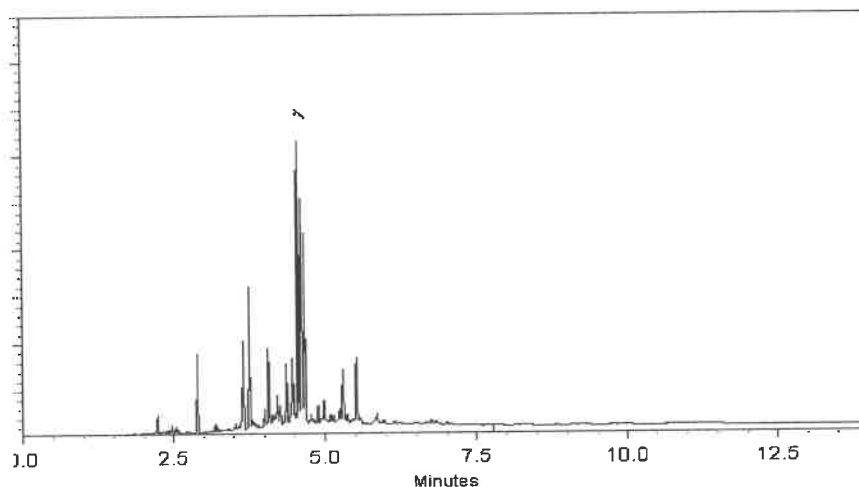
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

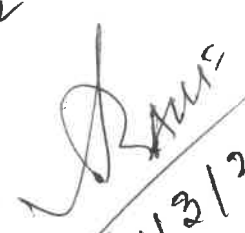
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 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 12606
P 12610
5 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	----%	1,005.0 µg/mL	+/- 55.7700

* 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:

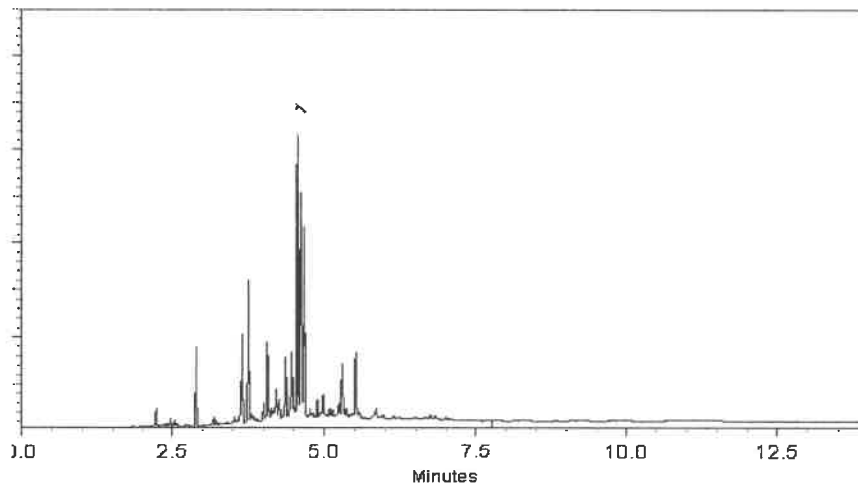
ECD

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.

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



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

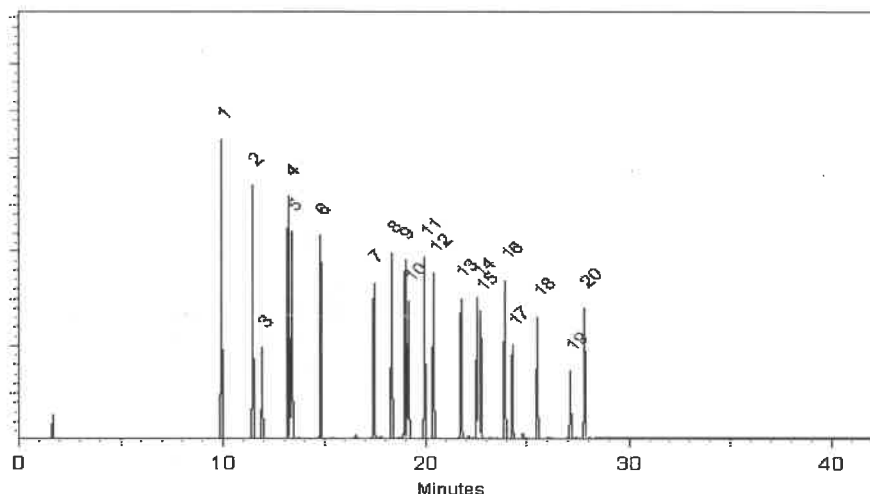
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
 ↓
 P13247 }
 ↓
 1

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

02/9/2024



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	—%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13773
↓
P13779
AJ
11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

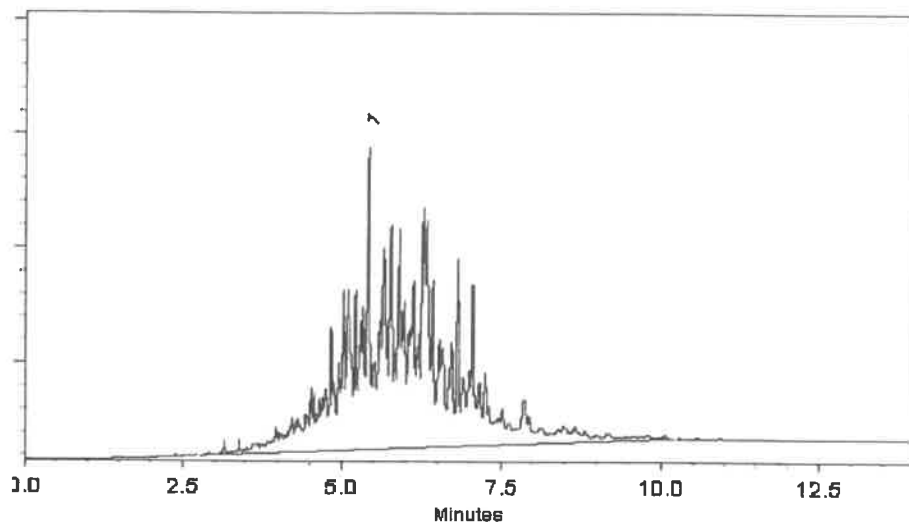
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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Dakota Parson - Operations Technician I

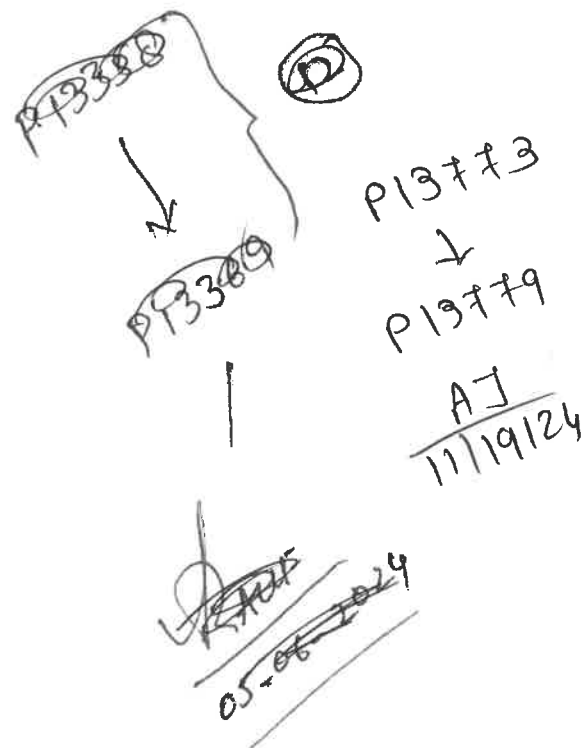
Date Mixed: 10-Oct-2023

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


Handwritten notes and signatures are present at the bottom of the page. On the left, there is a bracketed list of sample IDs: P13388, P13389, and P13390. An arrow points from P13388 down to P13389. To the right of this list, there is a circled 'D'. Further right, there is a handwritten note: P13773, followed by an arrow pointing down to P13779, and then 'AJ' over '11/19/24'. At the bottom, there is a signature and the date '05-06-2024'.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32074 **Lot No.:** A0213999

Description : Pesticide Performance Eval Mix w/Surrogate

Performance Evaluation Std. 3/90 SOW w/surrogates 1-25µg/mL,
Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13780
↓
P13784
AJ
11/19/20

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%	2.0 µg/mL	+/- 0.1506
2	alpha-BHC	319-84-6	15279000	99%	1.0 µg/mL	+/- 0.0749
3	gamma-BHC (Lindane)	58-89-9	14931300	97%	1.0 µg/mL	+/- 0.0756
4	beta-BHC	319-85-7	BCCC6425	99%	1.0 µg/mL	+/- 0.0749
5	Endrin	72-20-8	15076100	98%	5.0 µg/mL	+/- 0.3769
6	4,4'-DDT	50-29-3	231103JLM	97%	10.0 µg/mL	+/- 0.7512
7	Methoxychlor	72-43-5	14979500	98%	24.8 µg/mL	+/- 1.8543
8	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	2.0 µg/mL	+/- 0.1513

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
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 .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:

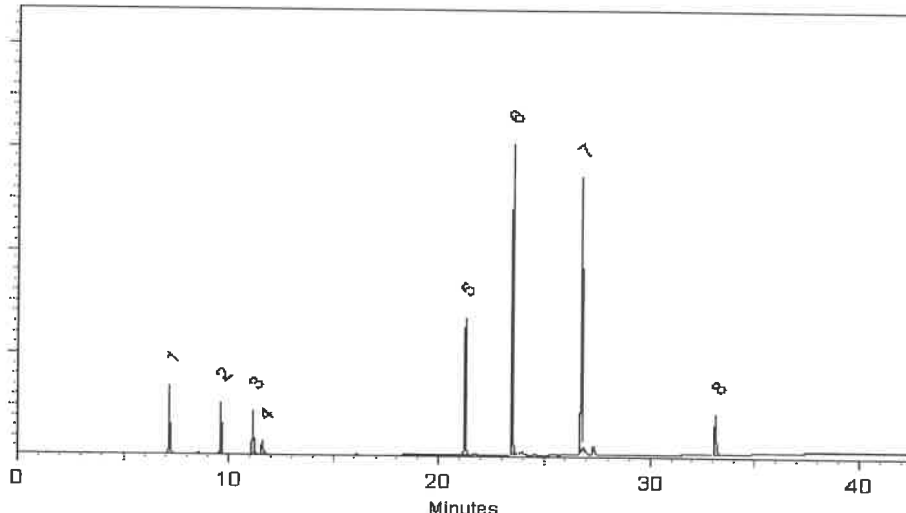
ECD

Split Vent:

Split ratio 50:1

Inj. Vol

1µl



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Malina Homan
Malina Homan - Operations Technician I

Date Mixed: 17-Jul-2024

Balance Serial # 1128353505

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789 AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

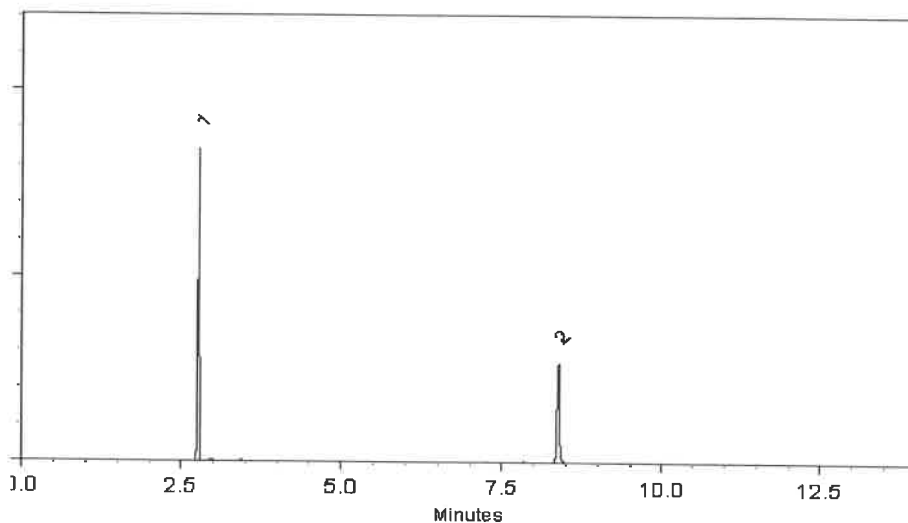
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

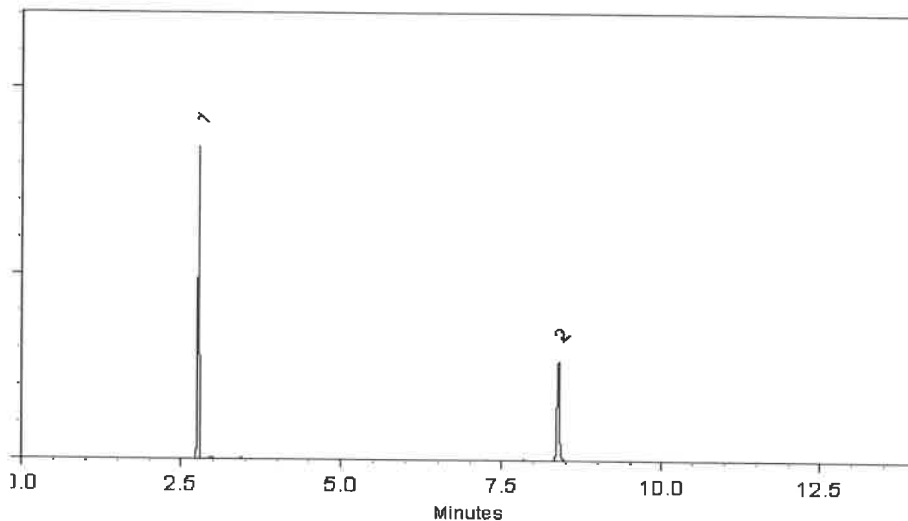
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

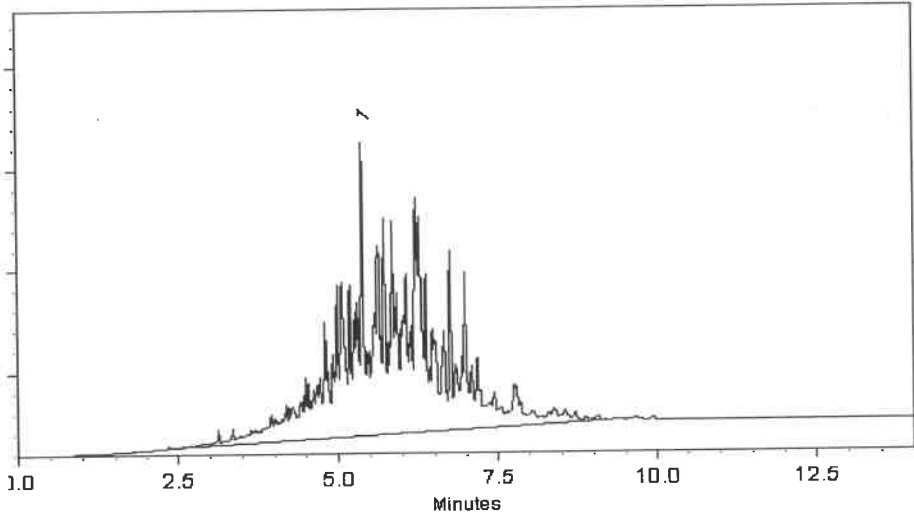
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

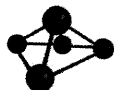

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }
↑

12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

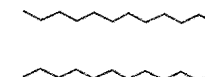
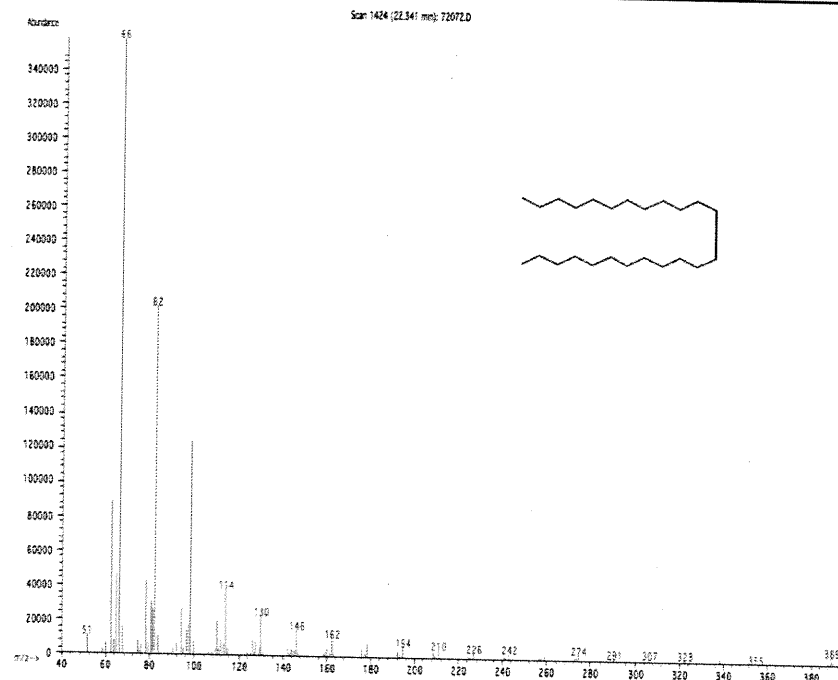
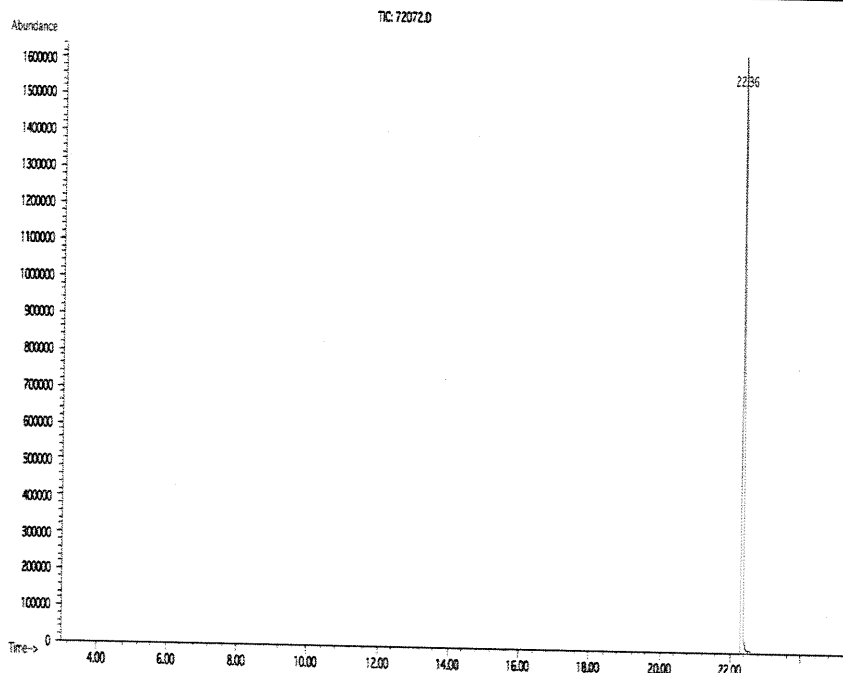
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

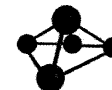
<i>Prashant Chauhan</i>		112018
Formulated By:	Prashant Chauhan	DATE
<i>Pedro Rentas</i>		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

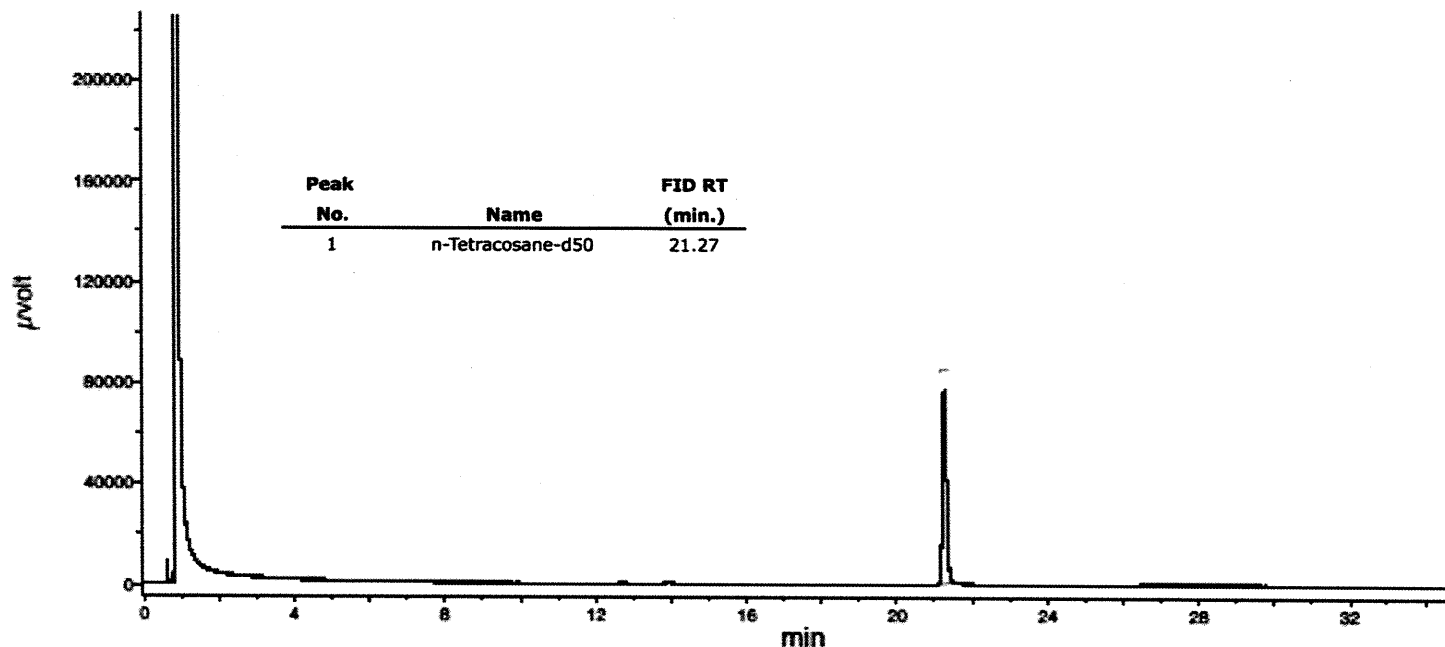
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3





SHIPPING DOCUMENTS

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Q3321

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

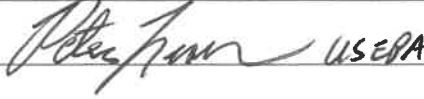
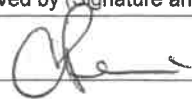
Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:	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	 USEPA	10/8/25 1600h		10/9/25 10:00	IR Gun #1 3.4

USEPA

DateShipped: 10/8/2025

CarrierName: FedEx

AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD

Case #: 918

Contact Name: Peter Lisichenko

Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01

Cooler #: 1

Lab: Alliance Technical Group, LLC

Lab Phone: 805-526-7161

[illegible][illegible]

CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES FULL ANALYSIS	 USEPA	10/8/25 1600 PM		1000 10/9/25	IR Gun #1 3.4

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	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
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days 5 Bus Days

Relinquished By :

Date / Time : 10/9/25 10:00

Received By :

Date / Time : 10/09/25

Storage Area : VOA Refridgerator Room