

Cover Page

Order ID : Q2641

Project ID : RFP 905A

Client : Weston Solutions, Inc.

Lab Sample Number

Q2641-01
Q2641-02

Client Sample Number

P001-CONCRETE001-01
P001-CONCRETE001-01

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: 7/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 905A

Project # N/A

Order ID # Q2641

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 07/18/2025.

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries 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 File ID PL096568.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

E. Additional Comments:

F. Calculation for water sample:

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



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Where,

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

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

Vo = Volume of water extracted in mL

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.

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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: Q2641

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 File ID PL096568.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds. The MSD recoveries met the 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:			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2641

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 07/30/2025

LAB CHRONICLE

OrderID:	Q2641	OrderDate:	7/18/2025 10:44:13 AM
Client:	Weston Solutions, Inc.	Project:	RFP 905A
Contact:	Smita Sumbaly	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2641-02	P001-CONCRETE001-01	TCLP			07/16/25			07/18/25
			TCLP Pesticide	8081B		07/23/25	07/24/25	



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2641

Order ID: Q2641

Client: Weston Solutions, Inc.

Project ID: RFP 905A

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q2641-02	P001-CONCRETE001-01 P001-CONCRETE001	TCLP	Methoxychlor	0.15	J	0.11	0.50	ug/L
Total Concentration:				0.150				



QC SUMMARY

Surrogate Summary

SDG No.: Q2641

Client: Weston Solutions, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096237.D	PIBLK-PL096237.D	Decachlorobiphen	1	20	19.5	98		57	171
		Tetrachloro-m-xyl	1	20	17.9	89		61	148
		Decachlorobiphen	2	20	20.1	100		57	171
		Tetrachloro-m-xyl	2	20	18.9	94		61	148
I.BLK-PL096551.D	PIBLK-PL096551.D	Decachlorobiphen	1	20	20.1	100		57	171
		Tetrachloro-m-xyl	1	20	21.9	109		61	148
		Decachlorobiphen	2	20	16.9	84		57	171
		Tetrachloro-m-xyl	2	20	23.3	116		61	148
PB168984BL	PB168984BL	Decachlorobiphen	1	20	17.2	86		57	171
		Tetrachloro-m-xyl	1	20	17.8	89		61	148
		Decachlorobiphen	2	20	15.5	78		57	171
		Tetrachloro-m-xyl	2	20	19.6	98		61	148
PB168984BS	PB168984BS	Decachlorobiphen	1	20	19.0	95		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	16.8	84		57	171
		Tetrachloro-m-xyl	2	20	20.7	104		61	148
PB168919TB	PB168919TB	Decachlorobiphen	1	20	17.5	88		57	171
		Tetrachloro-m-xyl	1	20	17.8	89		61	148
		Decachlorobiphen	2	20	15.7	79		57	171
		Tetrachloro-m-xyl	2	20	18.8	94		61	148
Q2641-02	P001-CONCRETE001-01	Decachlorobiphen	1	20	20.2	101		57	171
		Tetrachloro-m-xyl	1	20	19.8	99		61	148
		Decachlorobiphen	2	20	18.7	94		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
Q2641-02MS	P001-CONCRETE001-01MS	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	20.9	105		61	148
		Decachlorobiphen	2	20	19.1	95		57	171
		Tetrachloro-m-xyl	2	20	21.8	109		61	148
Q2641-02MSD	P001-CONCRETE001-01MSD	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	20.6	103		61	148
		Decachlorobiphen	2	20	19.2	96		57	171
		Tetrachloro-m-xyl	2	20	21.4	107		61	148
I.BLK-PL096566.D	PIBLK-PL096566.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	18.2	91		57	171
		Tetrachloro-m-xyl	2	20	22.5	112		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2641</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL096560.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2641-02MS (Column 1)	Client Sample ID:		P001-CONCRETE001-01M								
	gamma-BHC (Lindane)	5	0	5.60	ug/L	112				60	152	
	Heptachlor	5	0	5.50	ug/L	110				56	147	
	Heptachlor epoxide	5	0	5.80	ug/L	116				77	143	
	Endrin	5	0	5.40	ug/L	108				76	144	
	Methoxychlor	5	0.15	4.40	ug/L	87				70	142	
Lab Sample ID:	Q2641-02MS (Column 2)	Client Sample ID:		P001-CONCRETE001-01M								
	gamma-BHC (Lindane)	5	0	5.70	ug/L	114				60	152	
	Heptachlor	5	0	5.50	ug/L	110				56	147	
	Heptachlor epoxide	5	0	5.70	ug/L	114				77	143	
	Endrin	5	0	5.30	ug/L	106				76	144	
	Methoxychlor	5	0.14	4.50	ug/L	90				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2641</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile :	<u>PL096561.D</u>

	Parameter	Spike	Sample		Units	Rec		RPD		Limits		
			Result	Result		Qual	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2641-02MSD	Client Sample ID:		P001-CONCRETE001-01M								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	5.60	ug/L	112		0		60	152	20
	Heptachlor	5	0	5.40	ug/L	108		2		56	147	20
	Heptachlor epoxide	5	0	5.70	ug/L	114		2		77	143	20
	Endrin	5	0	5.30	ug/L	106		2		76	144	20
	Methoxychlor	5	0.15	4.40	ug/L	87		0		70	142	20
Lab Sample ID:	Q2641-02MSD	Client Sample ID:		P001-CONCRETE001-01M								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.60	ug/L	112		2		60	152	20
	Heptachlor	5	0	5.40	ug/L	108		2		56	147	20
	Heptachlor epoxide	5	0	5.60	ug/L	112		2		77	143	20
	Endrin	5	0	5.20	ug/L	104		2		76	144	20
	Methoxychlor	5	0.14	4.50	ug/L	90		0		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2641

Analytical Method: 8081B

Client: Weston Solutions, Inc.

Datafile : PL096555.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168984BS (Column 1)	gamma-BHC (Lindane)	0.5	0.56	ug/L	113				82	129		
	Heptachlor	0.5	0.53	ug/L	107				79	127		
	Heptachlor epoxide	0.5	0.61	ug/L	122				81	124		
	Endrin	0.5	0.46	ug/L	93				81	128		
	Methoxychlor	0.5	0.40	ug/L	79				78	108		
PB168984BS (Column 2)	gamma-BHC (Lindane)	0.5	0.60	ug/L	120				82	129		
	Heptachlor	0.5	0.55	ug/L	110				79	127		
	Heptachlor epoxide	0.5	0.59	ug/L	118				81	124		
	Endrin	0.5	0.48	ug/L	95				81	128		
	Methoxychlor	0.5	0.40	ug/L	79				78	108		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168984BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Lab Sample ID: PB168984BL

Lab File ID: PL096554.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/23/2025

Date Analyzed (1): 07/24/2025

Date Analyzed (2): 07/24/2025

Time Analyzed (1): 12:24

Time Analyzed (2): 12:24

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168984BS	PB168984BS	PL096555.D	07/24/2025	07/24/2025
PB168919TB	PB168919TB	PL096556.D	07/24/2025	07/24/2025
P001-CONCRETE001-01	Q2641-02	PL096559.D	07/24/2025	07/24/2025
P001-CONCRETE001-01MS	Q2641-02MS	PL096560.D	07/24/2025	07/24/2025
P001-CONCRETE001-01MSD	Q2641-02MSD	PL096561.D	07/24/2025	07/24/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905A		Date Received:	07/23/25	
Client Sample ID:	PB168919TB		SDG No.:	Q2641	
Lab Sample ID:	PB168919TB		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096556.D	1	07/23/25 12:15	07/24/25 12:51	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		57 - 171	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		61 - 148	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:51
Operator : AR\AJ
Sample : PB168919TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168919TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.828	64980965	108.8E6	17.808	18.844
28)	SA Decachlor...	9.014	7.992	49290772	78436508	17.522	15.730

Target Compounds

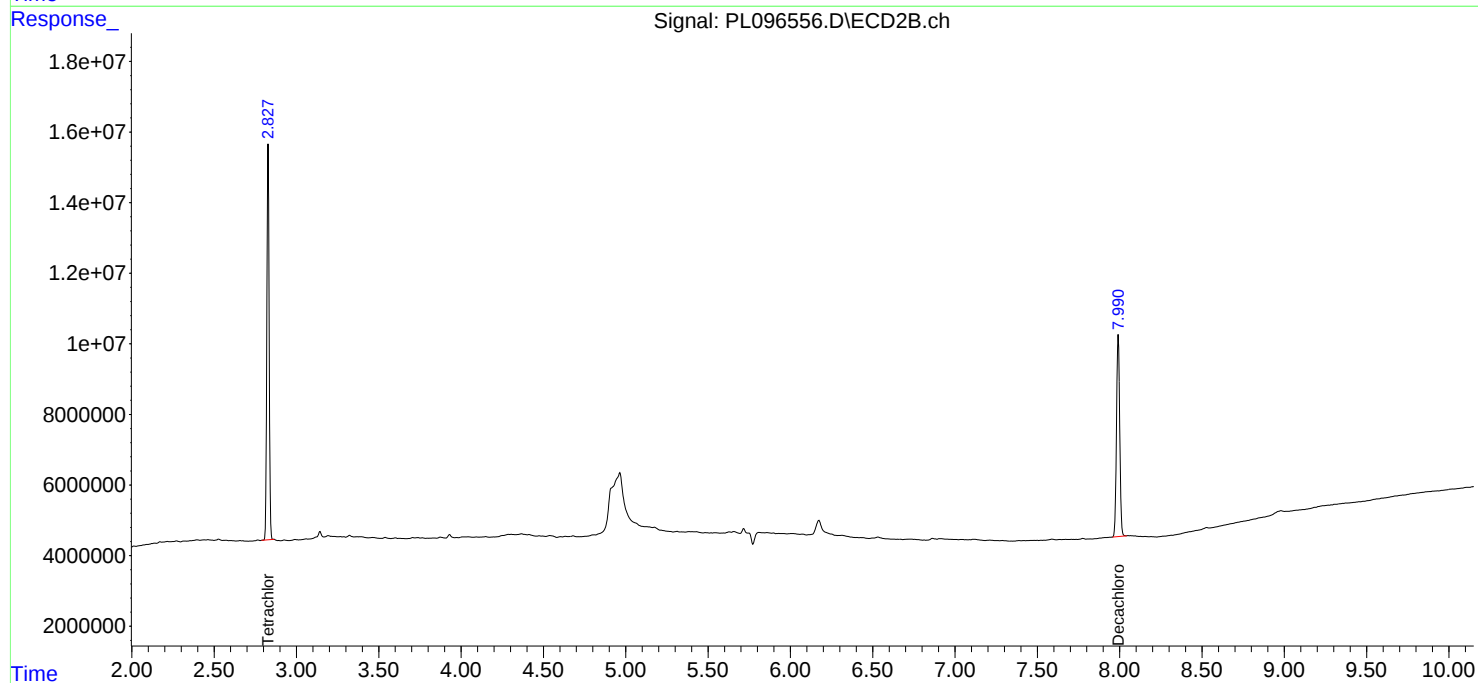
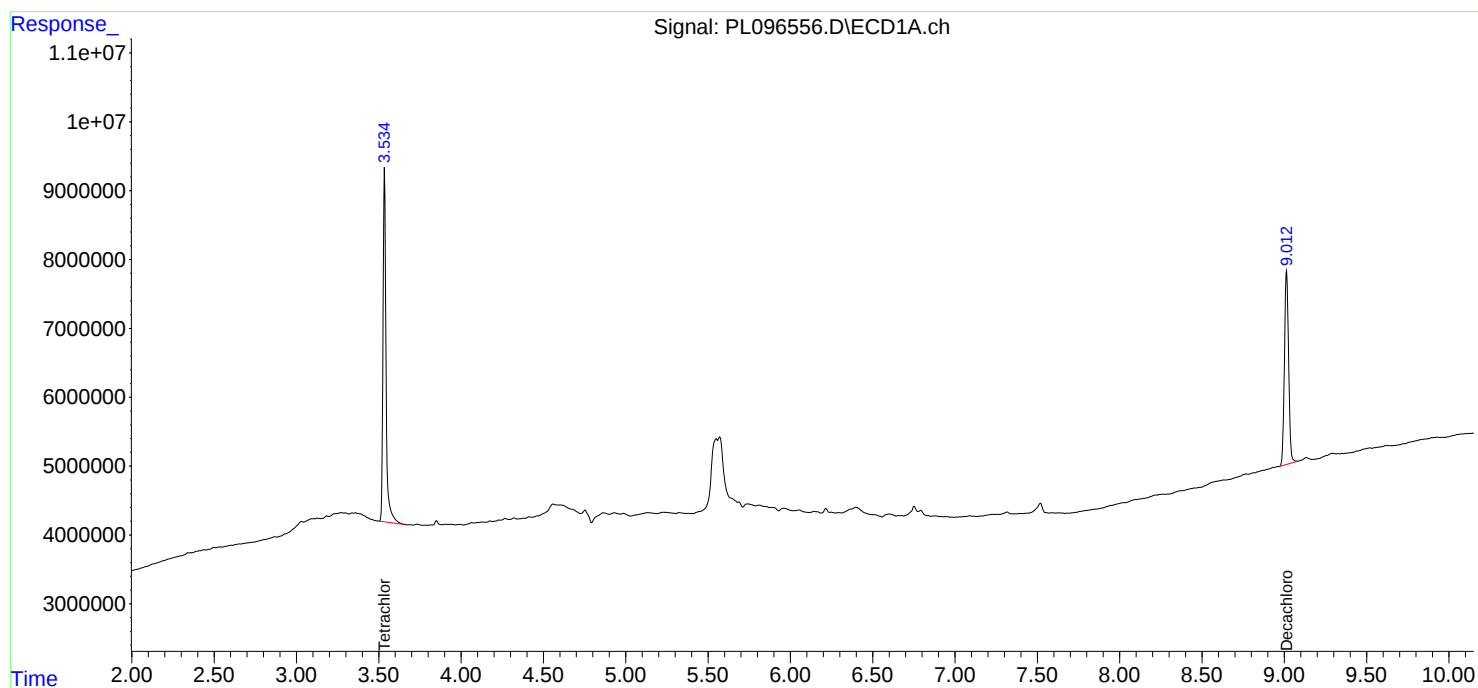
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096556.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:51
Operator : AR\AJ
Sample : PB168919TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

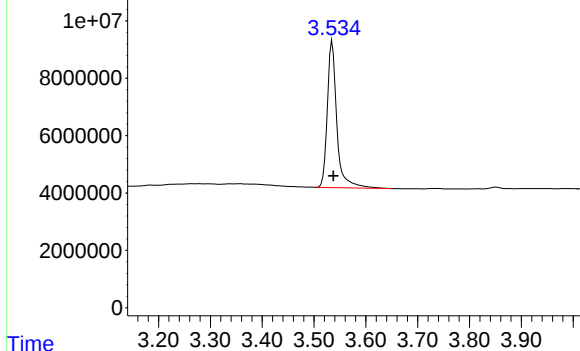
Instrument :
ECD_L
ClientSampleId :
PB168919TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096556.D\ECD1A.ch

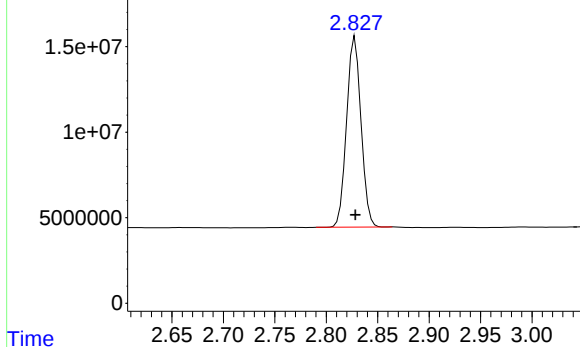


#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 64980965
Conc: 17.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168919TB

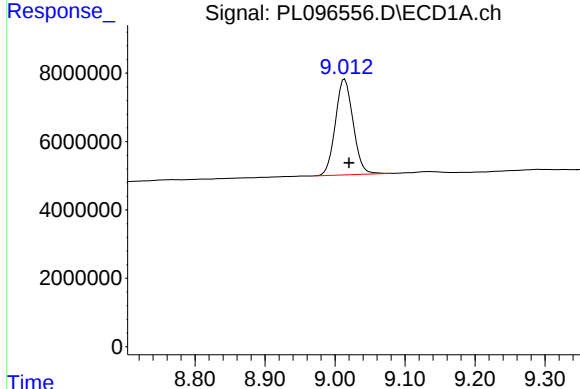
Response_ Signal: PL096556.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 108755353
Conc: 18.84 ng/ml

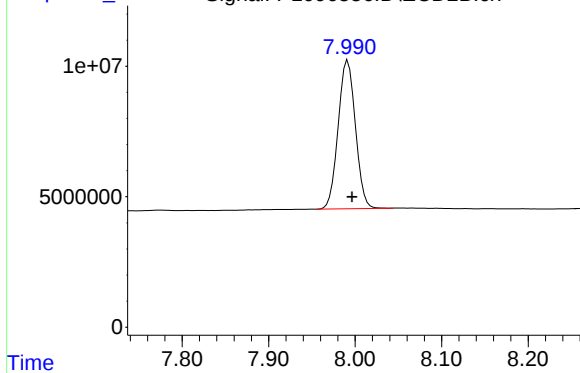
Response_ Signal: PL096556.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.014 min
Delta R.T.: -0.006 min
Response: 49290772
Conc: 17.52 ng/ml

Response_ Signal: PL096556.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 78436508
Conc: 15.73 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	07/16/25
Project:	RFP 905A	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01	SDG No.:	Q2641
Lab Sample ID:	Q2641-02	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096559.D	1	07/23/25 12:15	07/24/25 16:48	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.15	J	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		57 - 171	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		61 - 148	106%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096559.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 16:48
 Operator : AR\AJ
 Sample : Q2641-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-CONCRETE001-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
 Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:32:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.535	2.824	72245736	121.8E6	19.799	21.103
28) SA Decachlor...	9.020	7.993	56843284	93410488	20.207	18.733
Target Compounds						
20) A Methoxychlor	7.463	6.678	2327912	4215094	1.478m	1.388m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:48
Operator : AR\AJ
Sample : Q2641-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

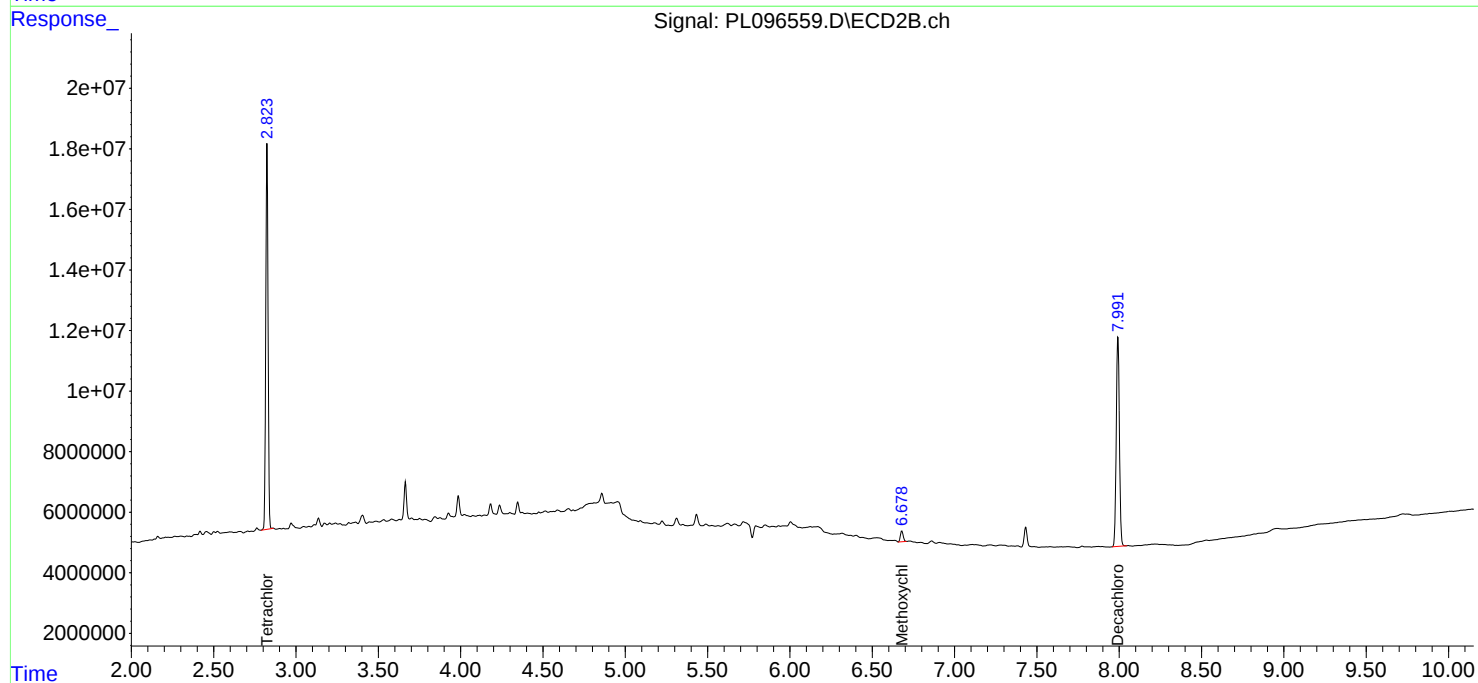
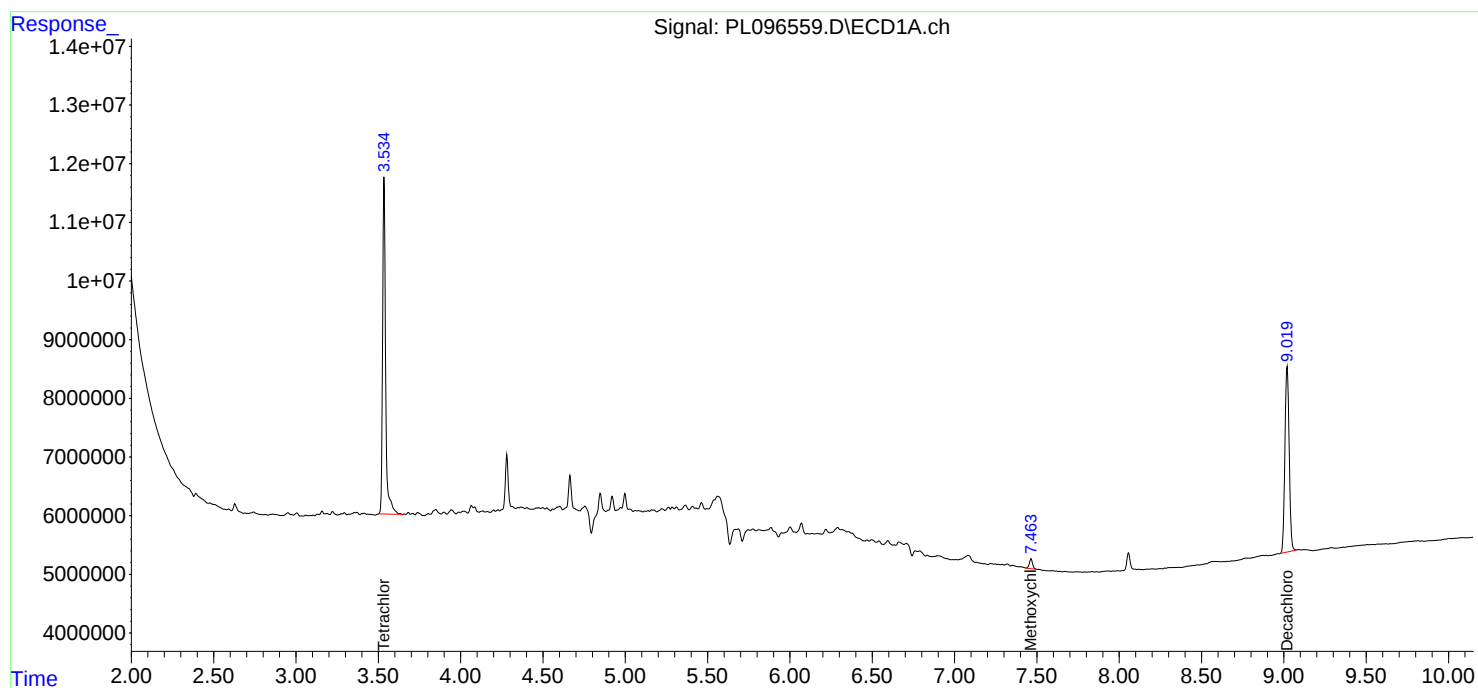
Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01

Manual Integrations
APPROVED

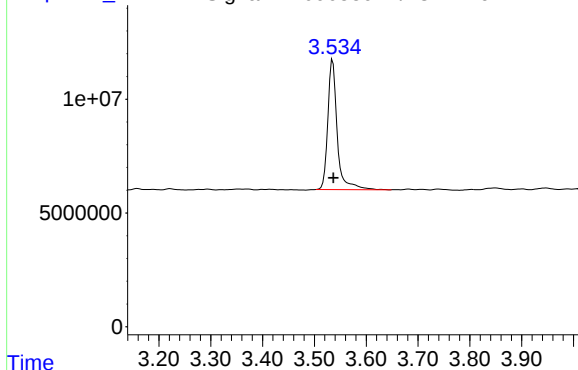
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096559.D\ECD1A.ch



#1 Tetrachloro-m-xylene

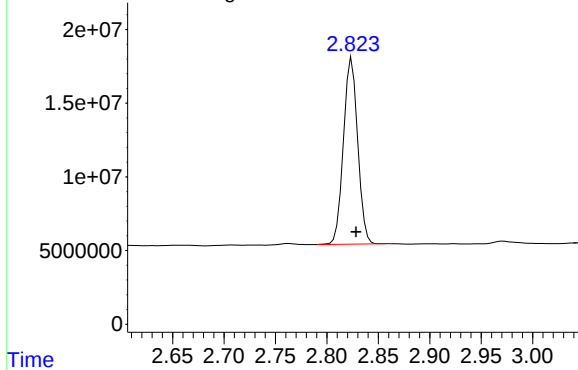
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 72245736
Conc: 19.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

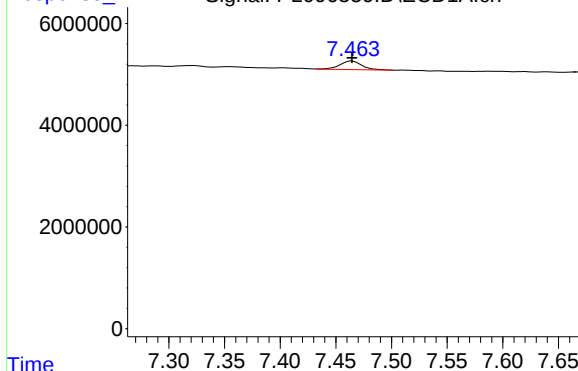
Response_ Signal: PL096559.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 121791648
Conc: 21.10 ng/ml

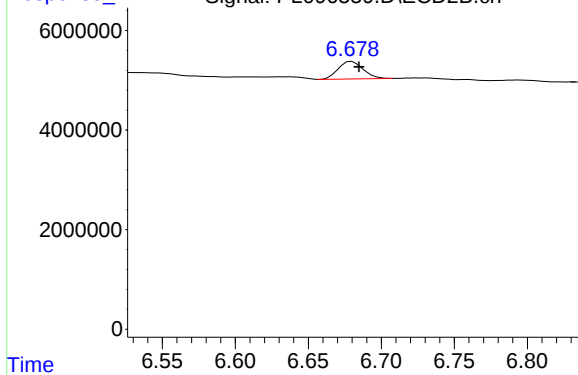
Response_ Signal: PL096559.D\ECD1A.ch



#20 Methoxychlor

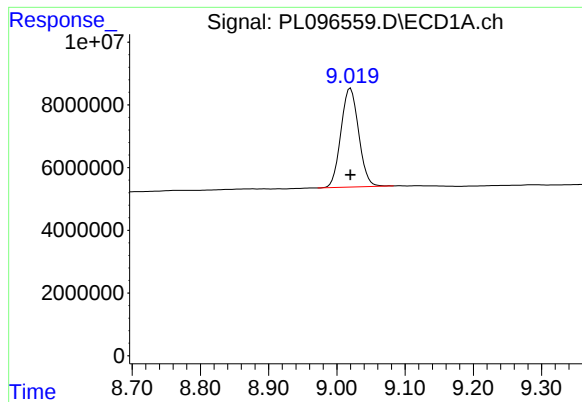
R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 2327912
Conc: 1.48 ng/ml m

Response_ Signal: PL096559.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.006 min
Response: 4215094
Conc: 1.39 ng/ml m



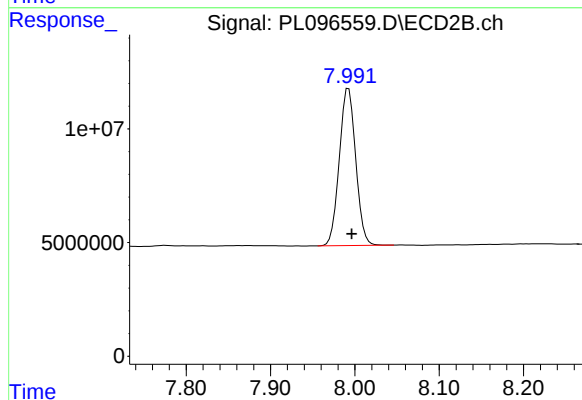
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 56843284
Conc: 20.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 93410488
Conc: 18.73 ng/ml



CALIBRATION SUMMARY

Calibration Times: **10:53** **11:49**

LAB FILE ID:	RT 100 =	<u>PL096240.D</u>	RT 075 =	<u>PL096241.D</u>
	RT 050 =	PL096242.D	RT 025 =	PL096243.D
			RT 005 =	PL096244.D

[illegible]

Calibration Times: **10:53** **11:49**

LAB FILE ID:	RT 100 =	<u>PL096240.D</u>	RT 075 =	<u>PL096241.D</u>
	RT 050 =	PL096242.D	RT 025 =	PL096243.D
			RT 005 =	PL096244.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Instrument ID: ECD_L

Calibration Date(s): 07/07/2025 07/07/2025

Calibration Times: 10:53 11:49

GC Column: ZB-MR1

ID: 0.32 (mm)

LAB FILE ID: CF 100 = <u>PL096240.D</u>CF 075 = <u>PL096241.D</u> CF 050 = <u>PL096242.D</u>CF 025 = <u>PL096243.D</u>CF 005 = <u>PL096244.D</u>							
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2734760000	2660070000	2729730000	2840050000	3100690000	2813060000	6
Endrin	3278570000	3096260000	3152290000	3035270000	2988660000	3110210000	4
gamma-BHC (Lindane)	5277490000	4937170000	5003630000	4872450000	4807500000	4979650000	4
Heptachlor	4644220000	4480710000	4500180000	4479130000	4801850000	4581220000	3
Heptachlor epoxide	4361240000	4217620000	4223310000	4173120000	3770510000	4149160000	5
Methoxychlor	1520130000	1498290000	1535260000	1580890000	1742410000	1575400000	6
Tetrachloro-m-xylene	3687130000	3500570000	3606810000	3645250000	3805110000	3648970000	3



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Instrument ID: ECD_L

Calibration Date(s): 07/07/2025 07/07/2025

Calibration Times: 10:53 11:49

GC Column: ZB-MR2

ID: 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PL096240.D</u>	CF 075 =	<u>PL096241.D</u>		
CF 050 =		<u>PL096242.D</u>	CF 025 =	<u>PL096243.D</u>	CF 005 =	<u>PL096244.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4787910000	4666610000	4872180000	5085100000	5520680000	4986500000	7
Endrin	6179120000	5963060000	6145890000	6105230000	6089210000	6096500000	1
gamma-BHC (Lindane)	8140460000	7776520000	7961280000	7854920000	7646170000	7875870000	2
Heptachlor	7661840000	7400290000	7666040000	7667210000	7643400000	7607760000	2
Heptachlor epoxide	6588350000	6451450000	6691850000	6724070000	6968780000	6684900000	3
Methoxychlor	2949250000	2893130000	3027760000	3113420000	3205310000	3037770000	4
Tetrachloro-m-xylene	5771200000	5549810000	5746090000	5799260000	5989730000	5771220000	3



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q2641
Instrument ID: ECD_L **Date(s) Analyzed:** 07/07/2025 07/07/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.69	4.59	4.79	177410000
		2	5.22	5.12	5.32	190569000
		3	5.92	5.82	6.02	738441000
		4	6.00	5.90	6.10	895986000
		5	6.84	6.74	6.94	143848000
Toxaphene	500	1	6.22	6.12	6.32	30025500
		2	6.61	6.51	6.71	26119300
		3	7.03	6.93	7.13	120095000
		4	7.12	7.02	7.22	85971000
		5	7.90	7.80	8.00	61804300



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q2641
Instrument ID: ECD_L **Date(s) Analyzed:** 07/07/2025 07/07/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.84	3.74	3.94	235477000
		2	4.42	4.32	4.52	272171000
		3	5.06	4.96	5.16	797275000
		4	5.12	5.02	5.22	725774000
		5	6.01	5.91	6.11	282958000
Toxaphene	500	1	5.08	4.98	5.18	36707400
		2	5.76	5.66	5.86	51848200
		3	6.04	5.94	6.14	51417500
		4	6.68	6.58	6.78	166414000
		5	7.12	7.02	7.22	101419000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096240.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:53
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:52:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	368.7E6	577.1E6	101.101	100.218
28)	SA Decachlor...	9.019	7.995	273.5E6	478.8E6	100.092	99.128
Target Compounds							
2)	A alpha-BHC	3.985	3.335	557.1E6	884.8E6	103.261	101.511
3)	MA gamma-BHC...	4.314	3.667	527.7E6	814.0E6	102.664	101.113
4)	MA Heptachlor	4.906	4.017	464.4E6	766.2E6	101.575	99.973
5)	MB Aldrin	5.247	4.300	504.4E6	747.6E6	102.285	100.786
6)	B beta-BHC	4.500	3.964	208.3E6	336.1E6	100.978	99.598
7)	B delta-BHC	4.745	4.197	480.4E6	801.4E6	103.084	101.347
8)	B Heptachlo...	5.666	4.802	436.1E6	658.8E6	101.607	99.221
9)	A Endosulfan I	6.047	5.174	410.4E6	641.6E6	101.629	98.818
10)	B gamma-Chl...	5.919	5.055	457.0E6	709.7E6	101.780	100.837
11)	B alpha-Chl...	6.000	5.119	446.8E6	704.6E6	101.494	99.867
12)	B 4,4'-DDE	6.170	5.308	392.7E6	673.9E6	103.496	101.524
13)	MA Dieldrin	6.319	5.438	441.2E6	694.6E6	102.223	100.151
14)	MA Endrin	6.546	5.713	327.9E6	617.9E6	101.964	100.270
15)	B Endosulfa...	6.758	6.004	343.6E6	584.8E6	100.989	100.302
16)	A 4,4'-DDD	6.678	5.860	302.6E6	557.2E6	101.912	103.879
17)	MA 4,4'-DDT	6.992	6.113	314.0E6	592.5E6	102.050	101.137
18)	B Endrin al...	6.887	6.183	221.6E6	412.5E6	100.089	98.301
19)	B Endosulfa...	7.120	6.406	313.7E6	556.8E6	101.719	99.788
20)	A Methoxychlor	7.464	6.685	152.0E6	294.9E6	99.505	98.686
21)	B Endrin ke...	7.599	6.909	337.0E6	616.3E6	101.073	99.269m
22)	Mirex	8.079	7.101	272.3E6	474.8E6	99.763	99.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC100

Manual Integrations

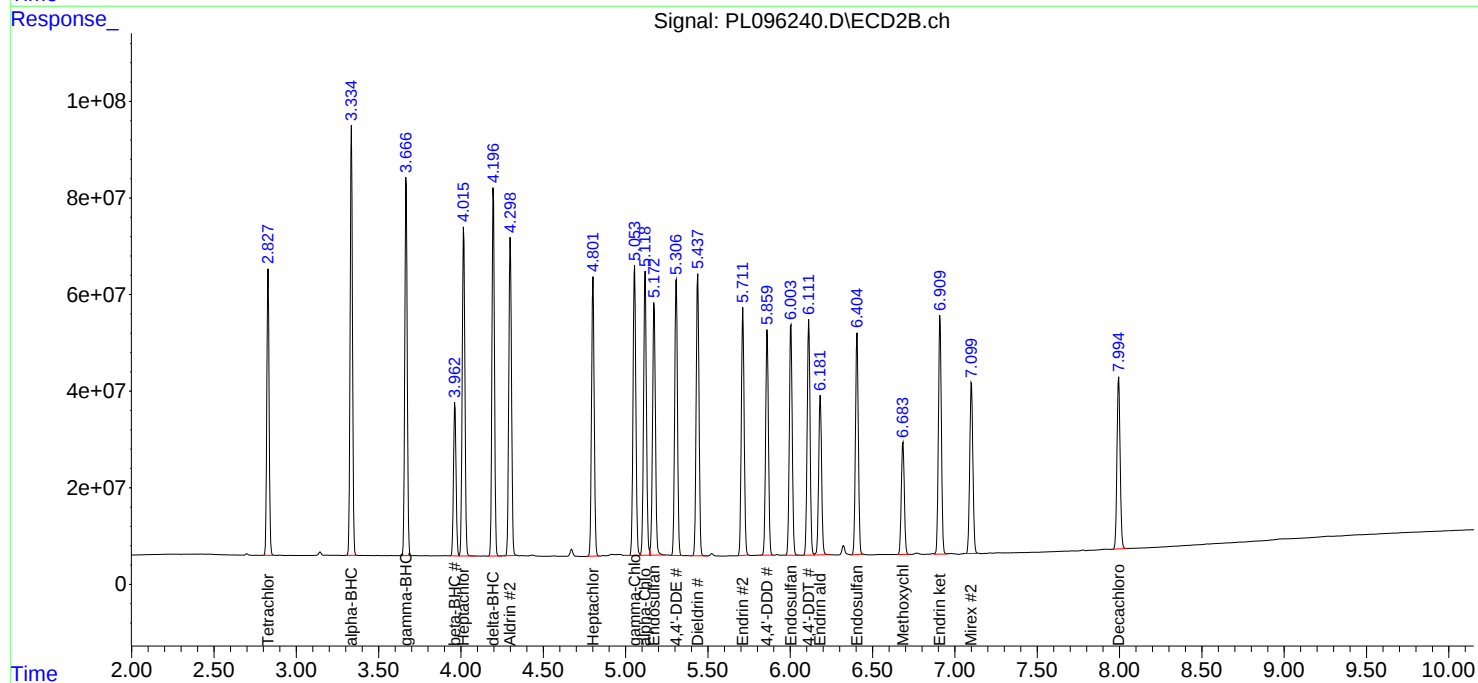
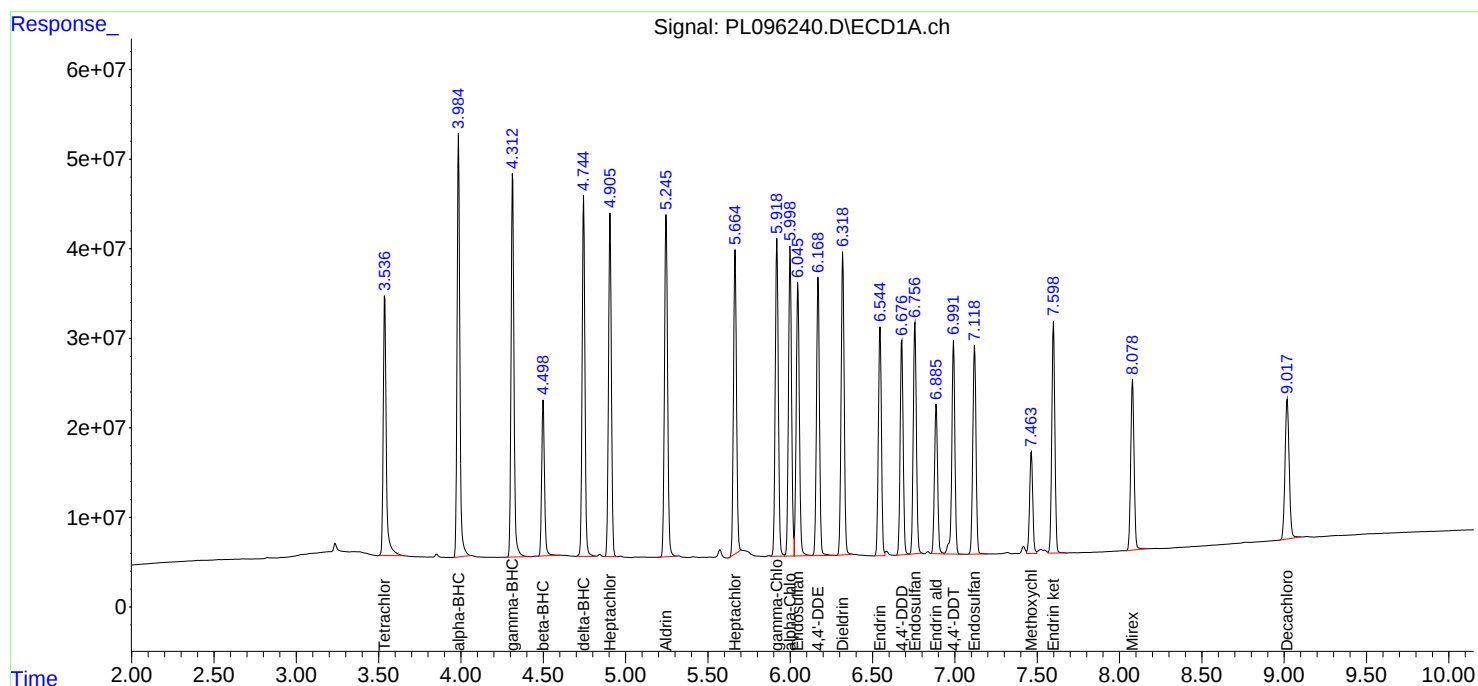
APPROVED

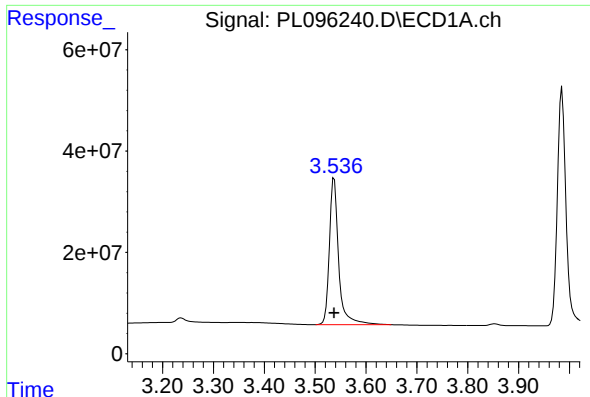
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

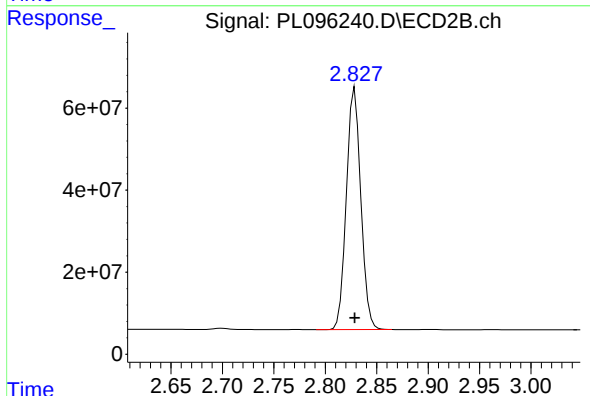
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 368713396
Conc: 101.10 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

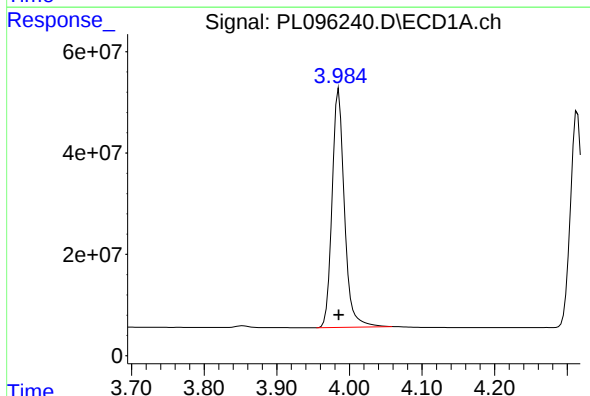
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



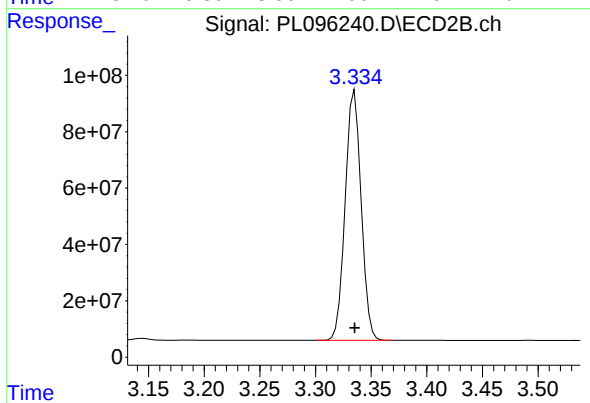
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 577119747
Conc: 100.22 ng/ml



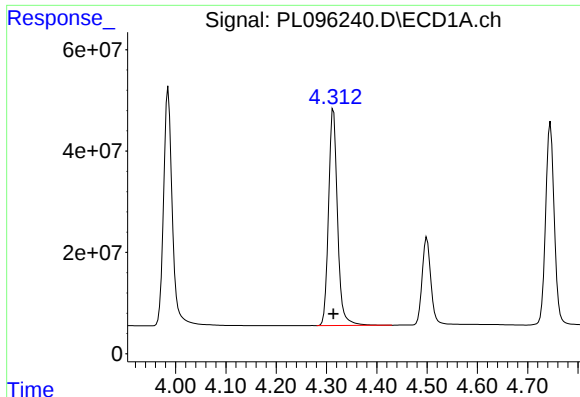
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 557101929
Conc: 103.26 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 884814859
Conc: 101.51 ng/ml



#3 gamma-BHC (Lindane)

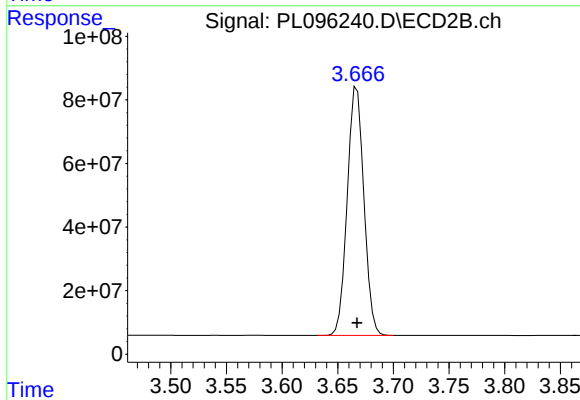
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 527748889
Conc: 102.66 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

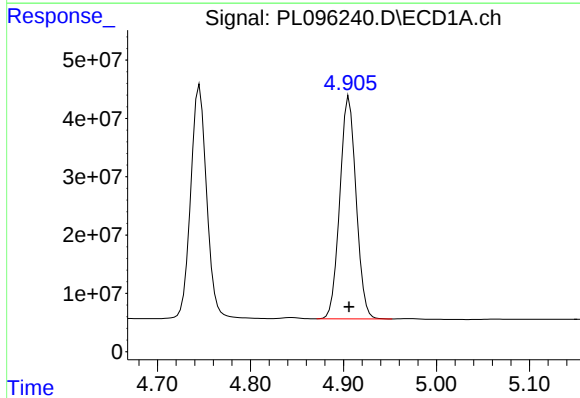
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



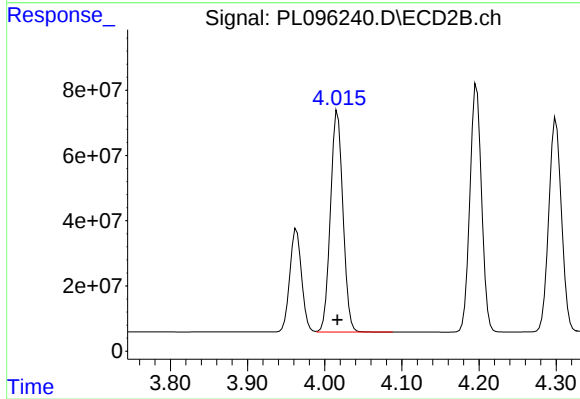
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 814046283
Conc: 101.11 ng/ml



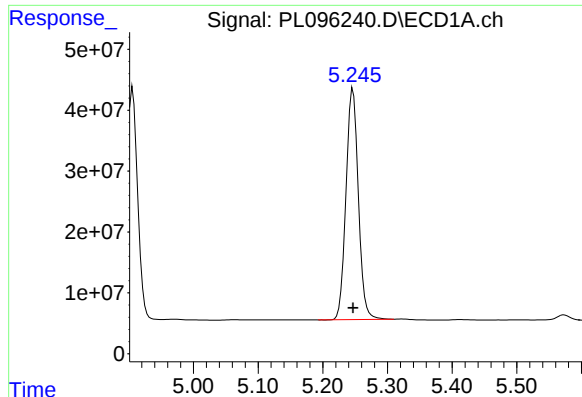
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 464421737
Conc: 101.58 ng/ml



#4 Heptachlor

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 766184215
Conc: 99.97 ng/ml



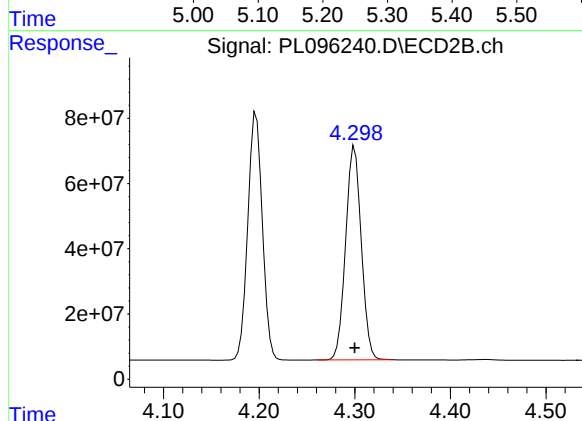
#5 Aldrin

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 504421526
Conc: 102.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

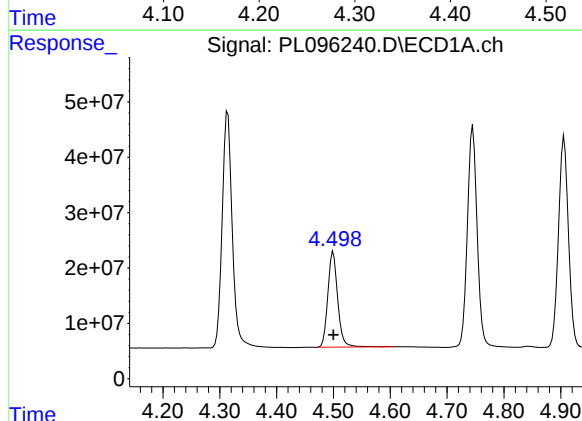
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



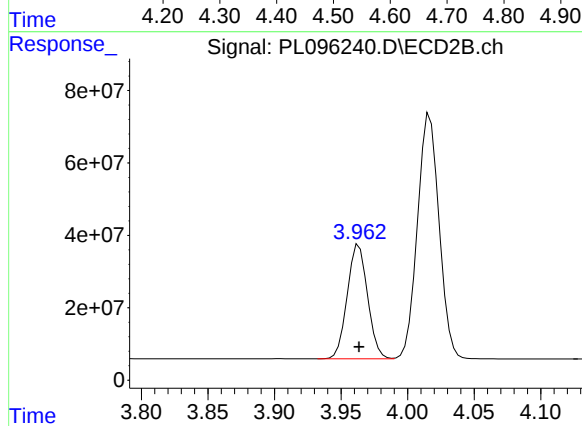
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 747589776
Conc: 100.79 ng/ml



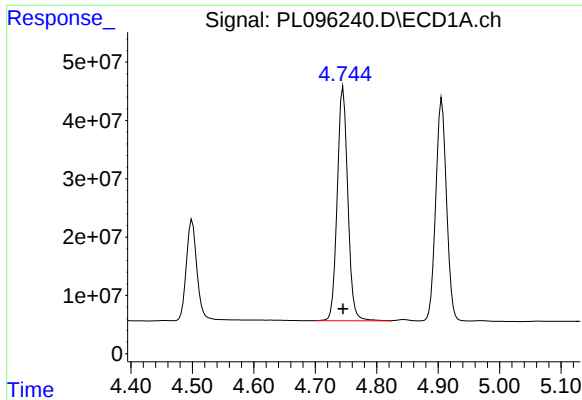
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 208282525
Conc: 100.98 ng/ml



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 336093656
Conc: 99.60 ng/ml



#7 delta-BHC

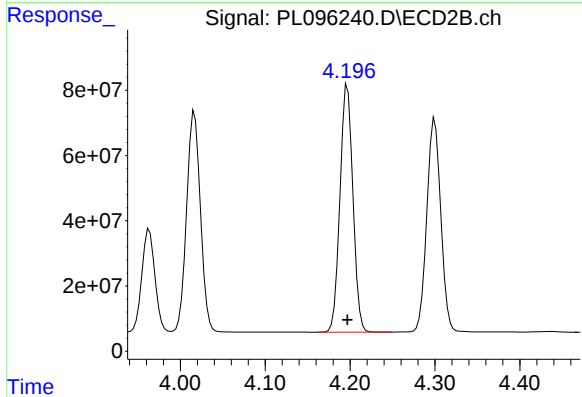
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 480409974
Conc: 103.08 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

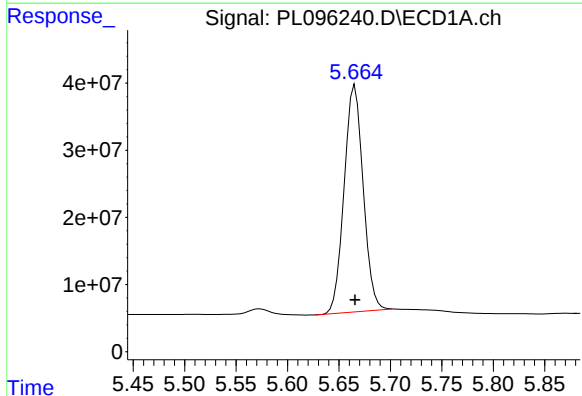
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



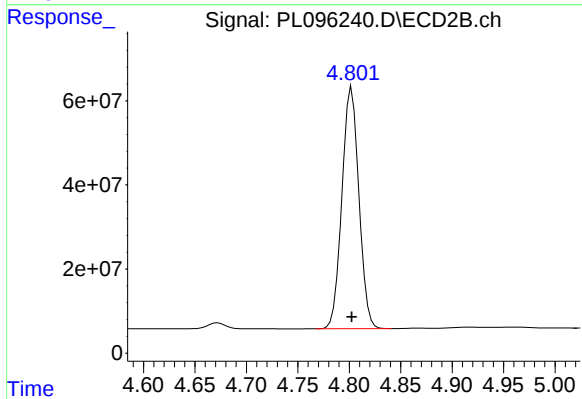
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 801442796
Conc: 101.35 ng/ml



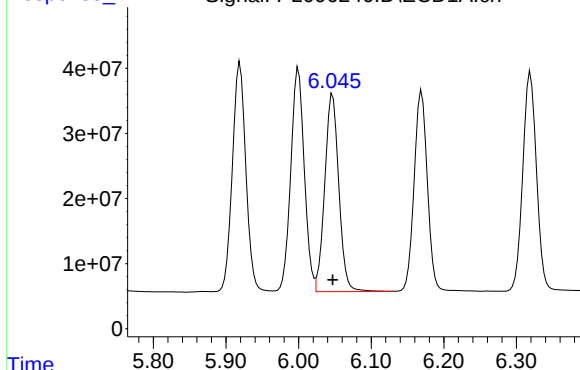
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 436123549
Conc: 101.61 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 658834978
Conc: 99.22 ng/ml



R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 410449369
Conc: 101.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

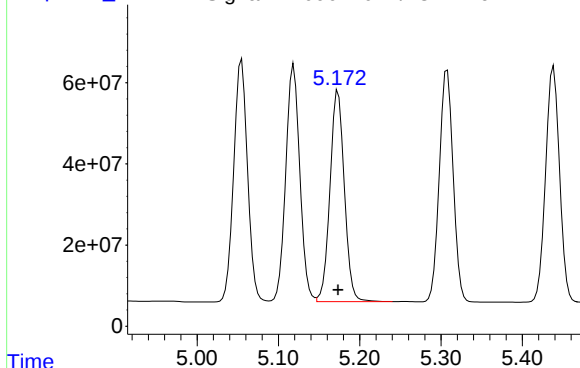
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096240.D\ECD2B.ch

#9 Endosulfan I



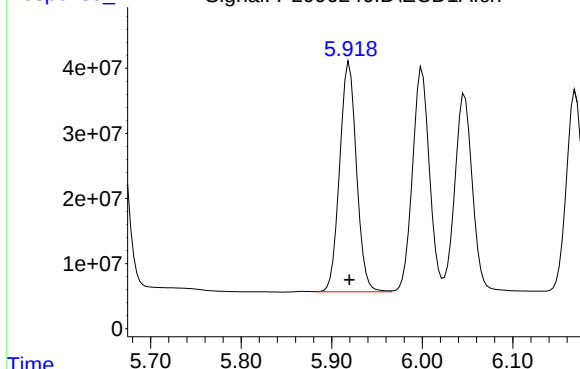
R.T.: 5.174 min
Delta R.T.: 0.000 min
Response: 641606385
Conc: 98.82 ng/ml

Time

Response_

Signal: PL096240.D\ECD1A.ch

#10 gamma-Chlordane



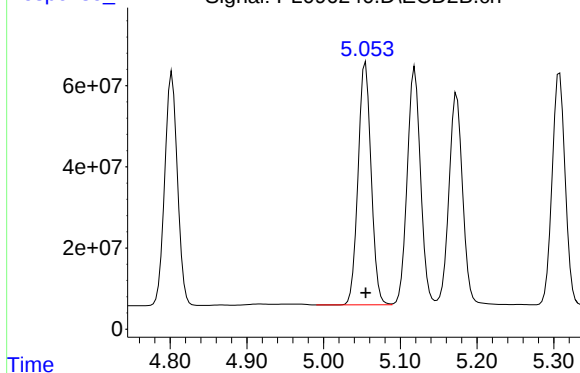
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 456960375
Conc: 101.78 ng/ml

Time

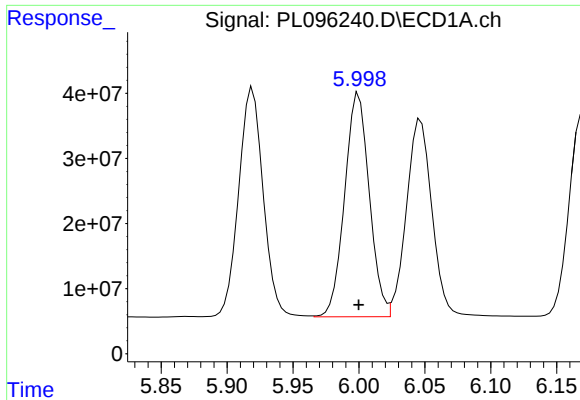
Response_

Signal: PL096240.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 709660522
Conc: 100.84 ng/ml



#11 alpha-Chlordane

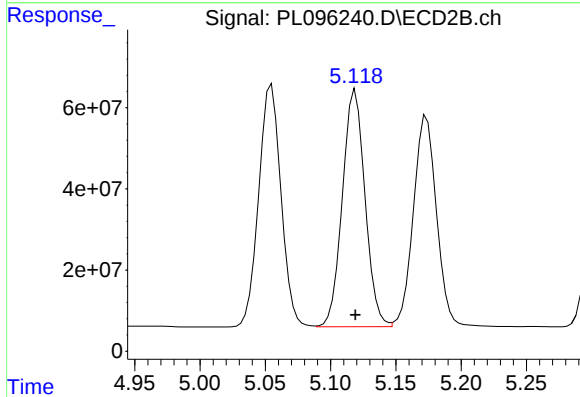
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 446783941
Conc: 101.49 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

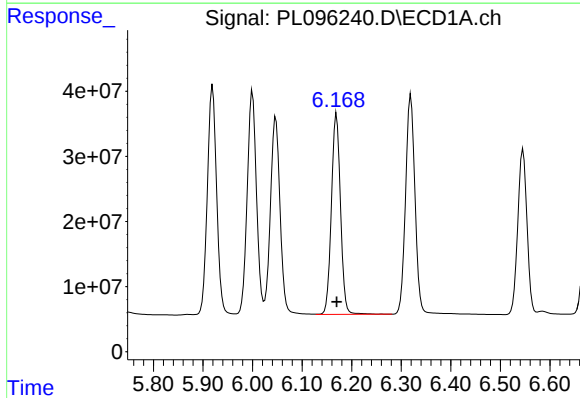
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



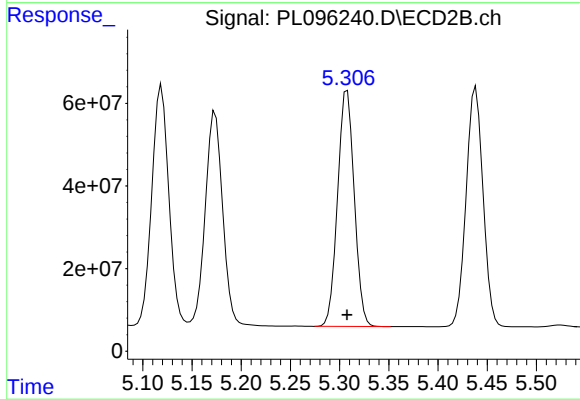
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 704603748
Conc: 99.87 ng/ml



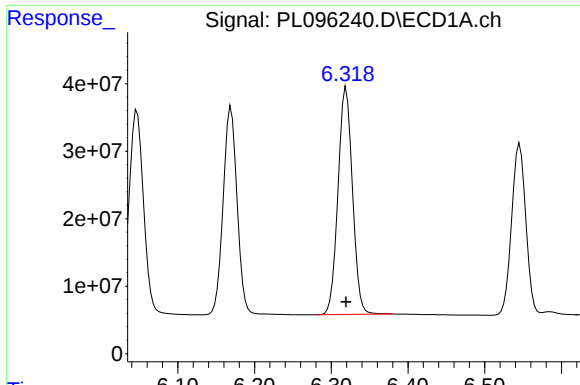
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 392691754
Conc: 103.50 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 673912776
Conc: 101.52 ng/ml



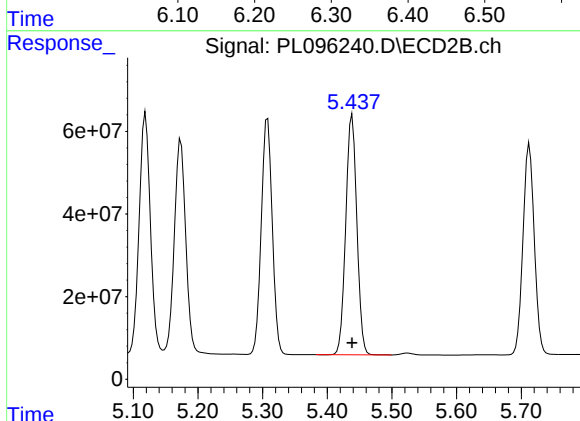
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 441219717
Conc: 102.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

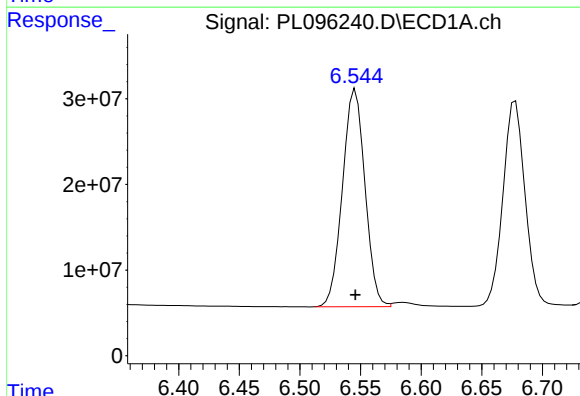
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



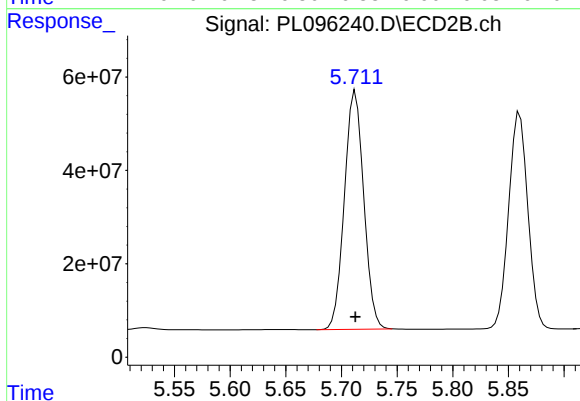
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 694581916
Conc: 100.15 ng/ml



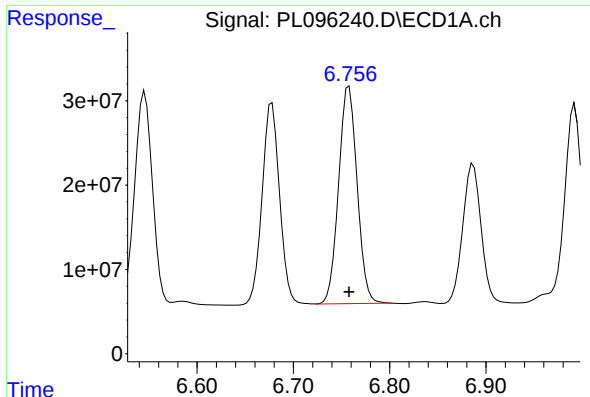
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 327856737
Conc: 101.96 ng/ml



#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 617911586
Conc: 100.27 ng/ml



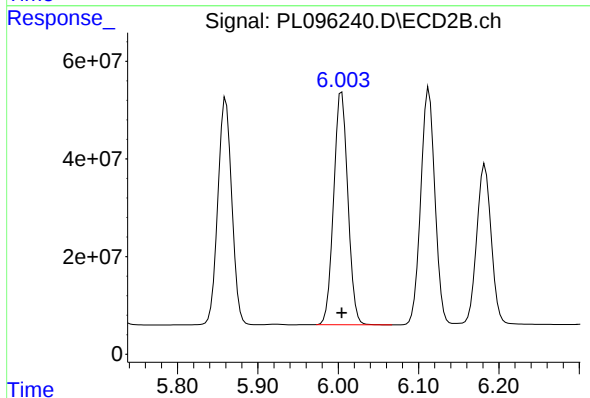
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 343602098
Conc: 100.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

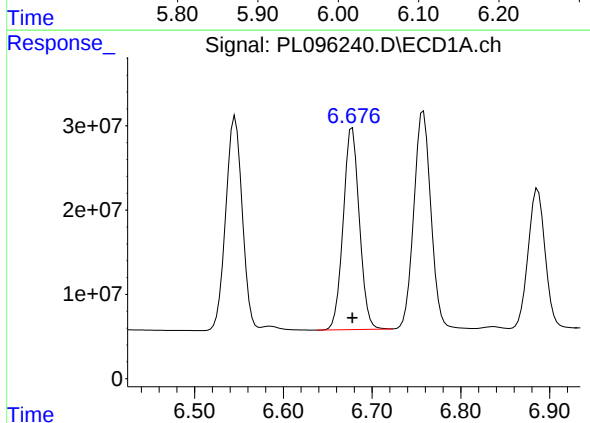
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



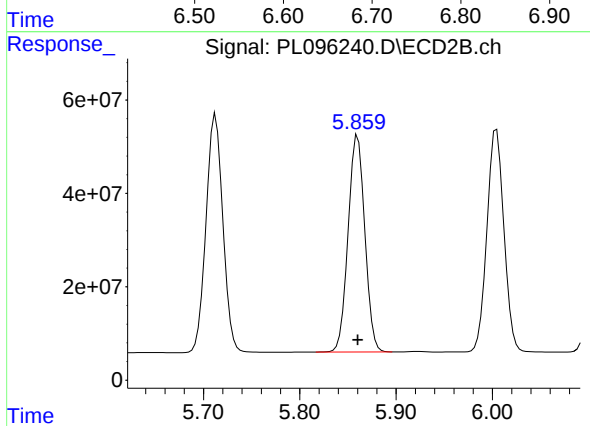
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 584758568
Conc: 100.30 ng/ml



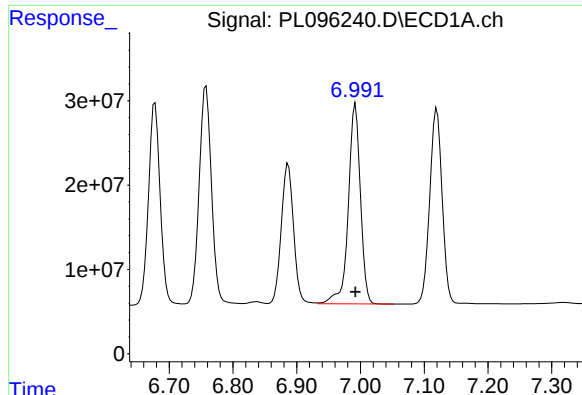
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 302553480
Conc: 101.91 ng/ml



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 557157332
Conc: 103.88 ng/ml



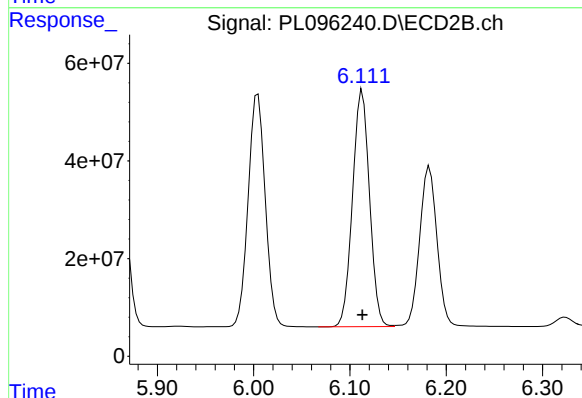
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 313998795
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

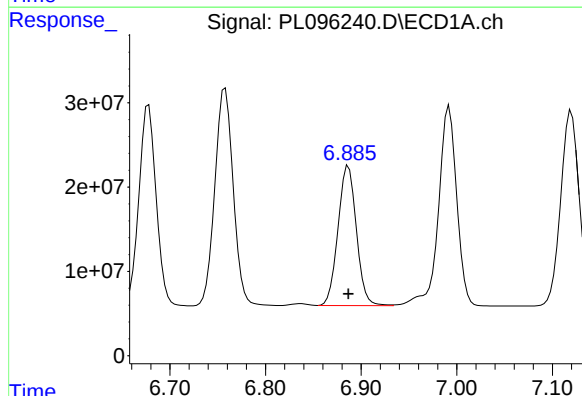
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



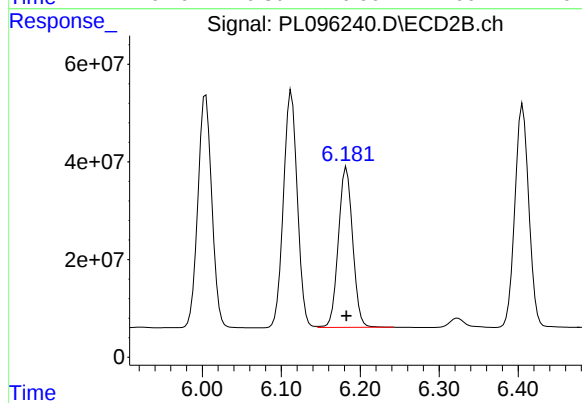
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 592514272
Conc: 101.14 ng/ml



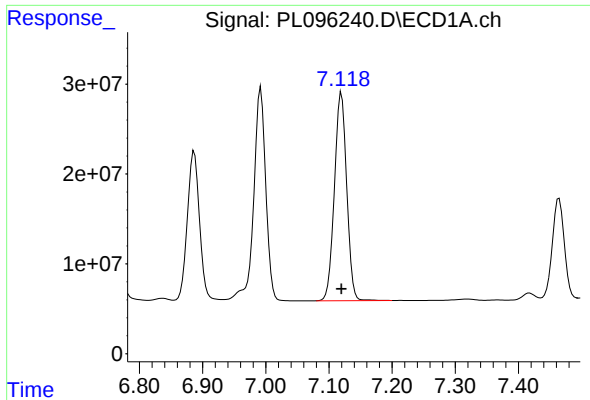
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 221570723
Conc: 100.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 412506550
Conc: 98.30 ng/ml



#19 Endosulfan Sulfate

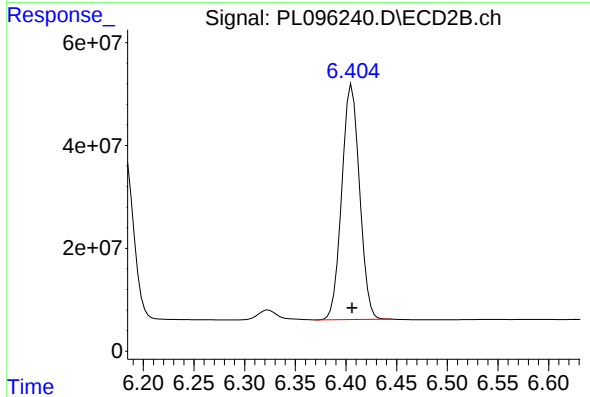
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 313710860
Conc: 101.72 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

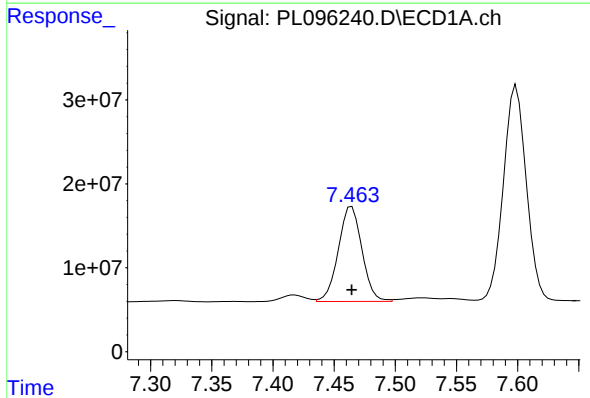
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



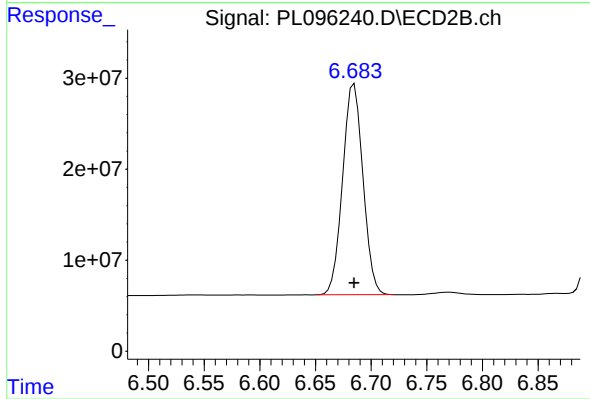
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 556818702
Conc: 99.79 ng/ml



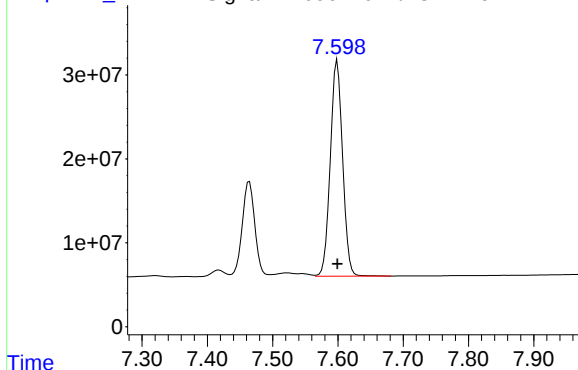
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 152013274
Conc: 99.50 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 294925098
Conc: 98.69 ng/ml

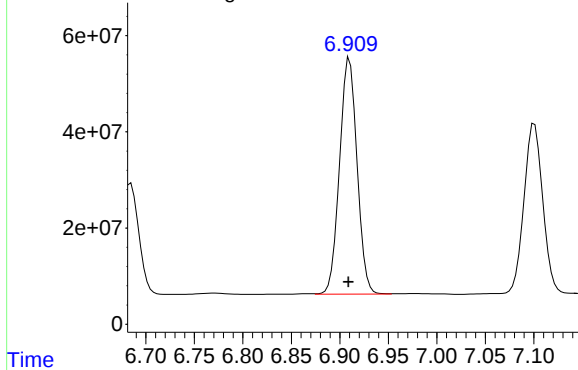


R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 337044938
Conc: 101.07 ng/ml

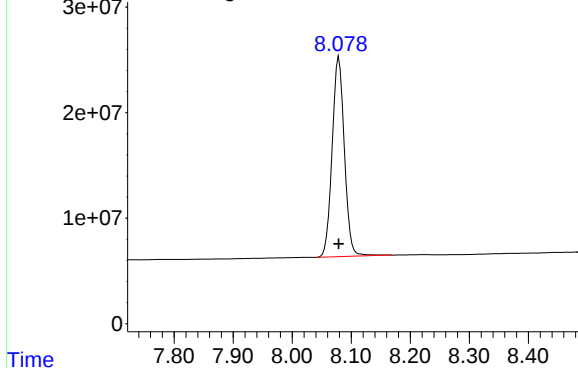
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

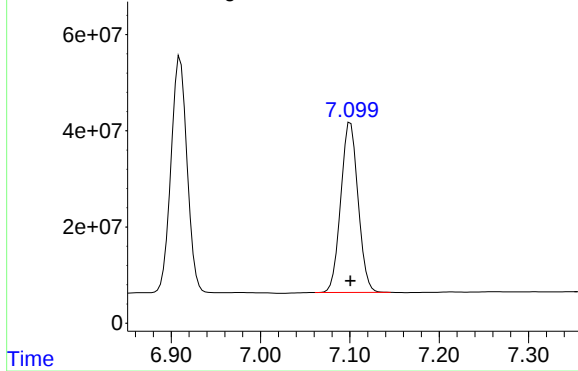
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



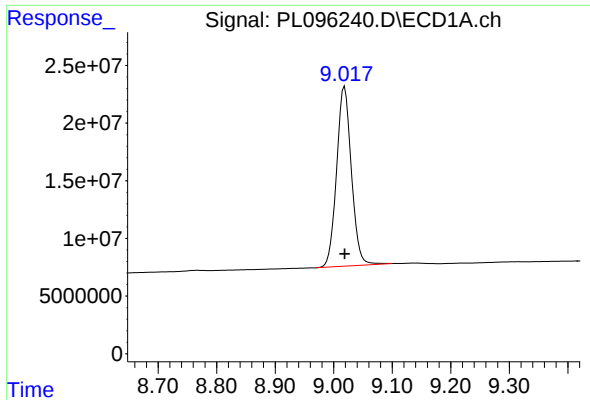
R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 616281878
Conc: 99.27 ng/ml m



R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 272266974
Conc: 99.76 ng/ml



R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 474838332
Conc: 99.06 ng/ml



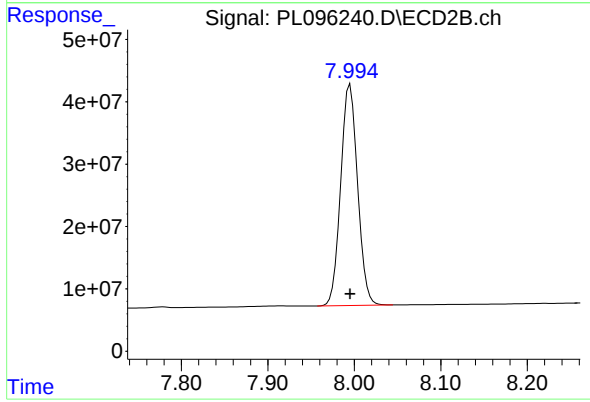
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 273475929
Conc: 100.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.995 min
Delta R.T.: 0.000 min
Response: 478791037
Conc: 99.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096241.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:09
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC075

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:55:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.827	262.5E6	416.2E6	72.966	73.165
28)	SA Decachlor...	9.022	7.996	199.5E6	350.0E6	73.668	73.289
Target Compounds							
2)	A alpha-BHC	3.984	3.334	396.3E6	631.4E6	73.968	73.274
3)	MA gamma-BHC...	4.313	3.666	370.3E6	583.2E6	72.995	73.277
4)	MA Heptachlor	4.906	4.016	336.1E6	555.0E6	73.993	73.260
5)	MB Aldrin	5.245	4.300	359.1E6	537.9E6	73.531	73.330
6)	B beta-BHC	4.497	3.963	150.0E6	242.0E6	73.486m	72.768
7)	B delta-BHC	4.745	4.196	338.2E6	573.4E6	73.368	73.317
8)	B Heptachlo...	5.666	4.802	316.3E6	483.9E6	74.125	73.566
9)	A Endosulfan I	6.047	5.173	294.3E6	470.1E6	73.562	73.247
10)	B gamma-Chl...	5.919	5.054	323.5E6	518.3E6	73.015	74.093
11)	B alpha-Chl...	6.000	5.119	317.7E6	520.1E6	73.088	74.144
12)	B 4,4'-DDE	6.170	5.308	277.7E6	481.3E6	73.777	73.317
13)	MA Dieldrin	6.319	5.438	312.3E6	500.5E6	73.215	73.087
14)	MA Endrin	6.546	5.713	232.2E6	447.2E6	73.124	73.364
15)	B Endosulfa...	6.758	6.005	247.3E6	423.6E6	73.442	73.425
16)	A 4,4'-DDD	6.679	5.860	213.5E6	373.3E6	72.919	71.314
17)	MA 4,4'-DDT	6.993	6.113	226.6E6	425.7E6	74.085	73.421
18)	B Endrin al...	6.887	6.183	162.7E6	304.8E6	74.002	73.411
19)	B Endosulfa...	7.120	6.406	225.3E6	405.9E6	73.701	73.485
20)	A Methoxychlor	7.465	6.685	112.4E6	217.0E6	74.031	73.387
21)	B Endrin ke...	7.600	6.910	243.3E6	448.8E6	73.629	73.150
22)	Mirex	8.080	7.101	198.3E6	347.2E6	73.425	73.273

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Manual Integrations

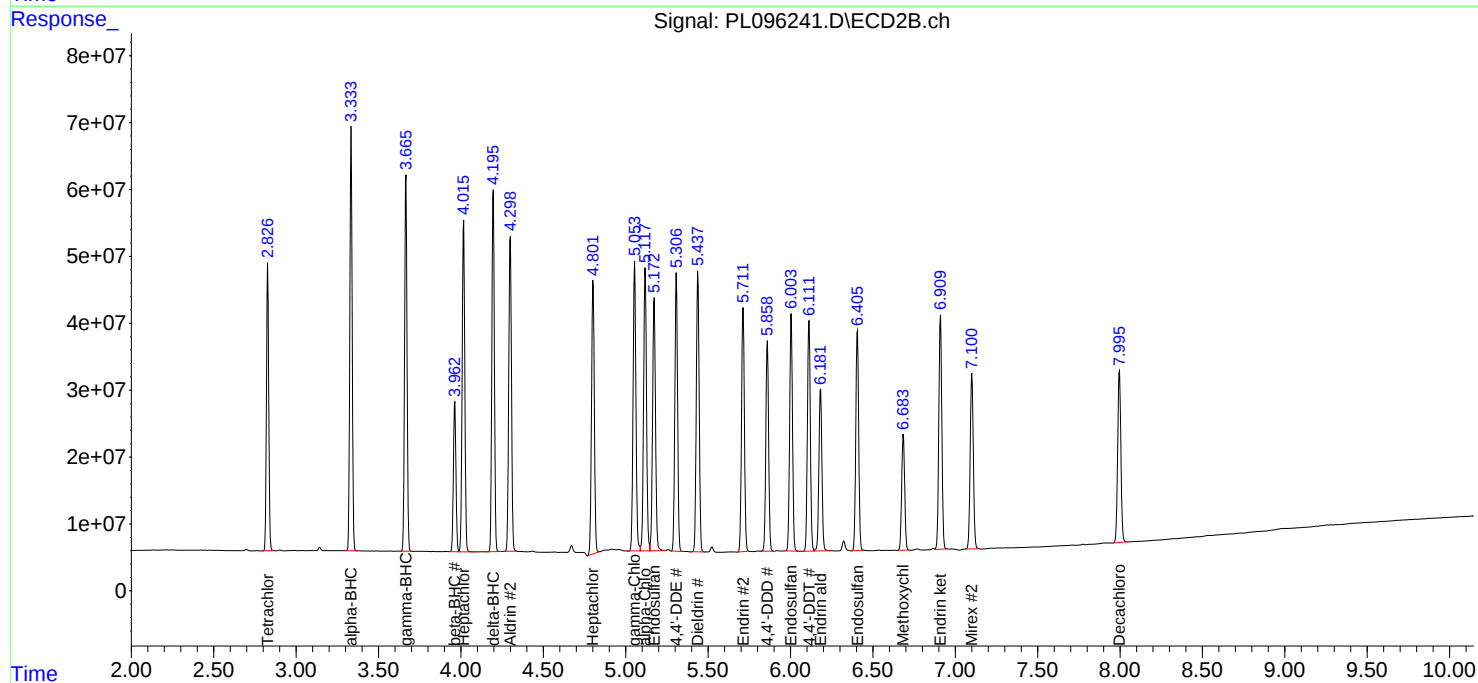
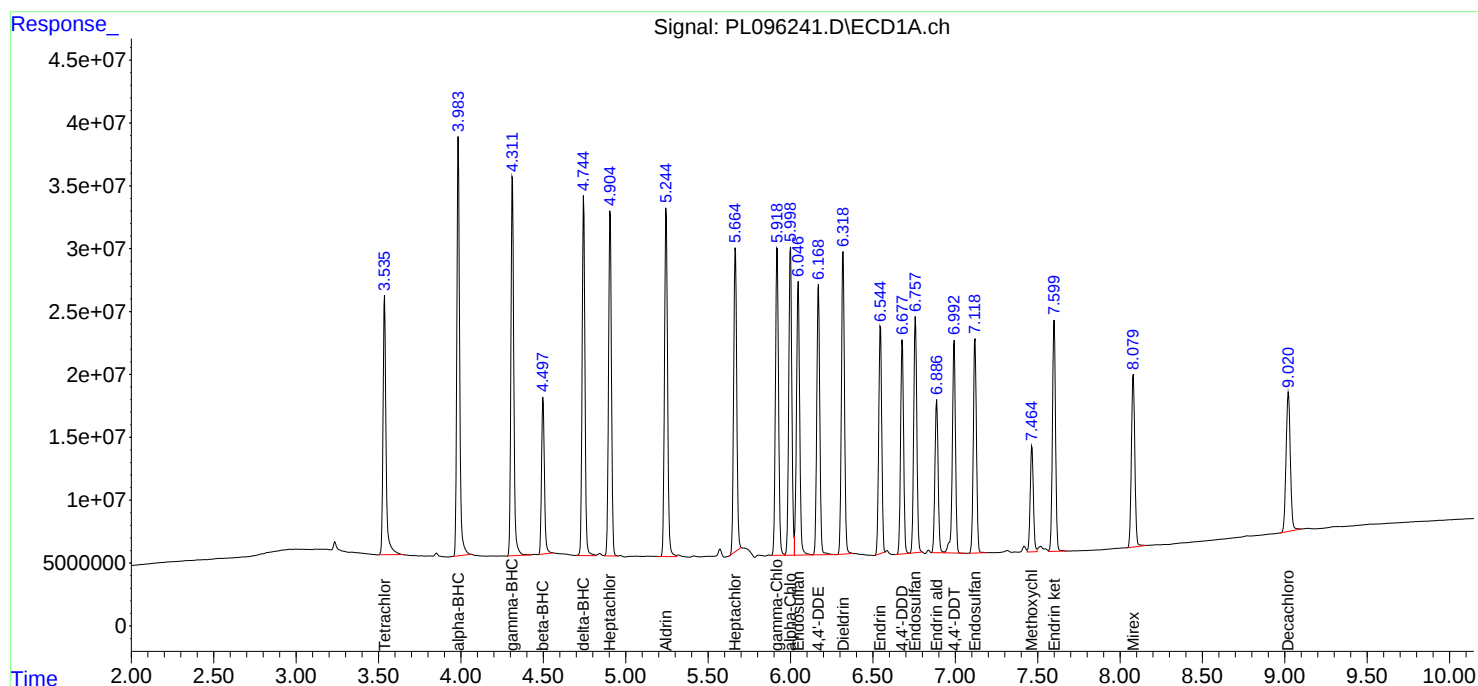
APPROVED

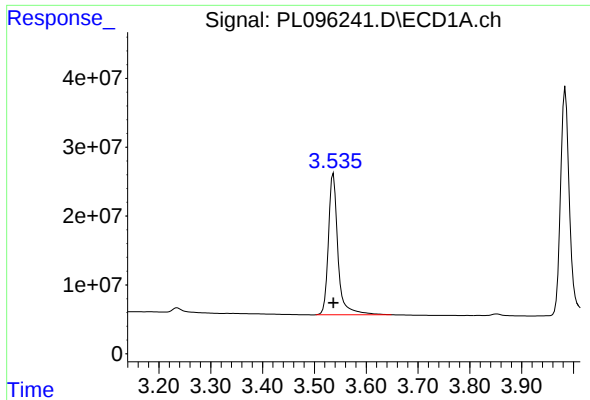
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

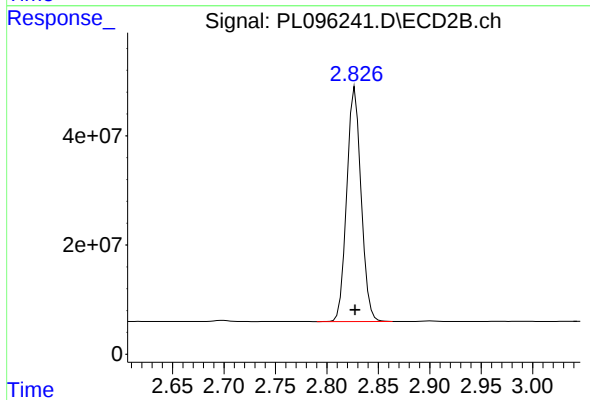
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 262543056
Conc: 72.97 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

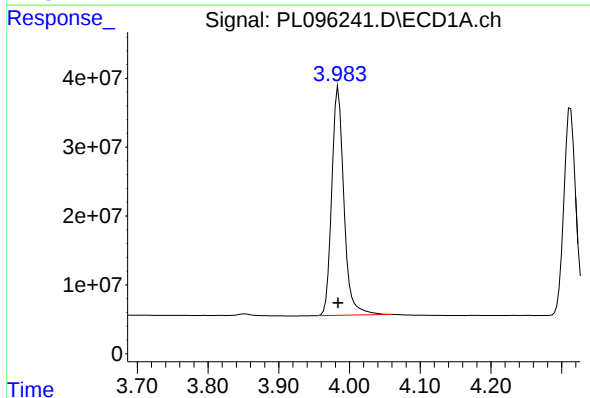
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



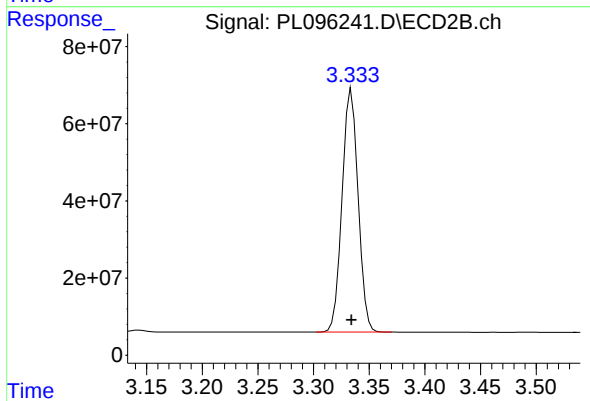
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 416235607
Conc: 73.16 ng/ml



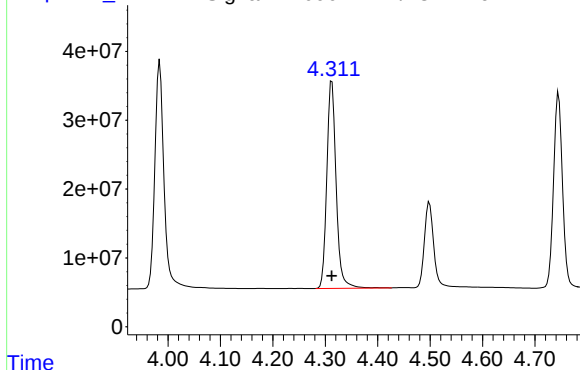
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 396335614
Conc: 73.97 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 631414881
Conc: 73.27 ng/ml



R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 370288063
Conc: 73.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

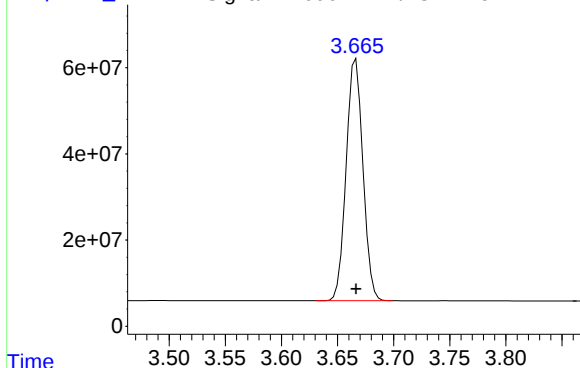
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096241.D\ECD2B.ch

#3 gamma-BHC (Lindane)



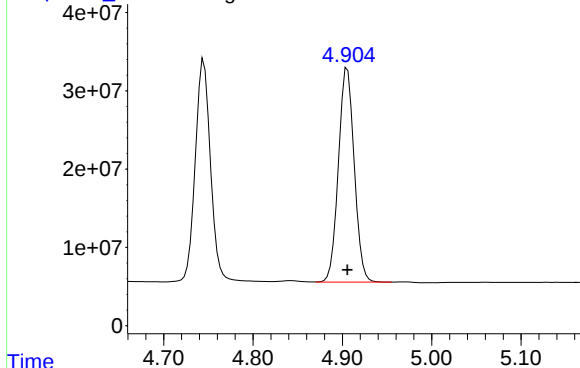
R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 583238890
Conc: 73.28 ng/ml

Time

Response_

Signal: PL096241.D\ECD1A.ch

#4 Heptachlor



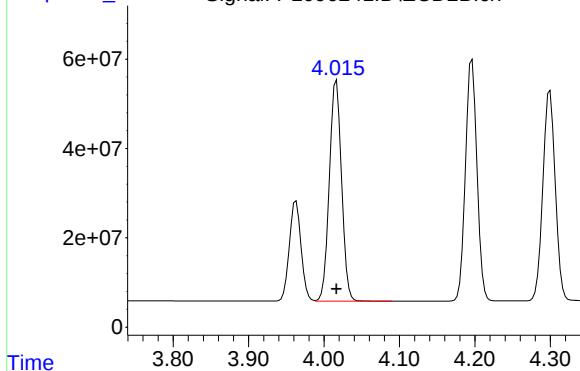
R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 336053186
Conc: 73.99 ng/ml

Time

Response_

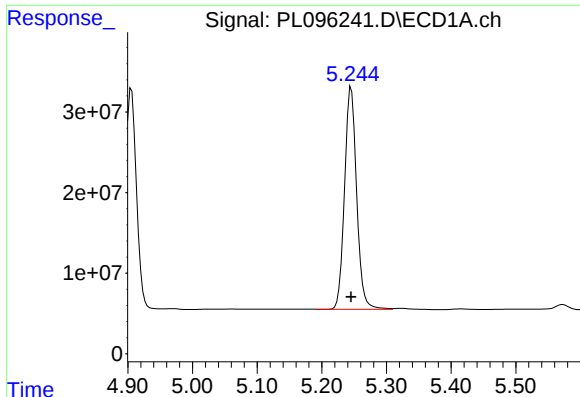
Signal: PL096241.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 555021848
Conc: 73.26 ng/ml

Time



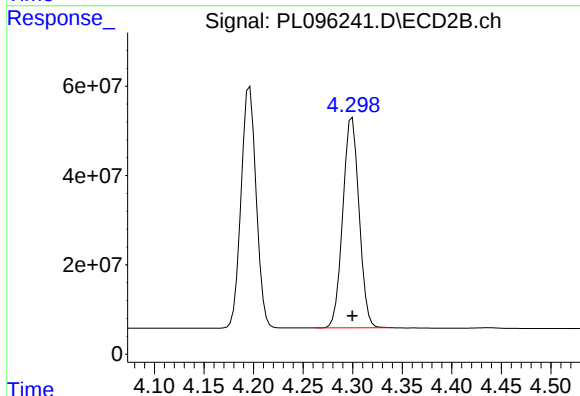
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 359102683
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

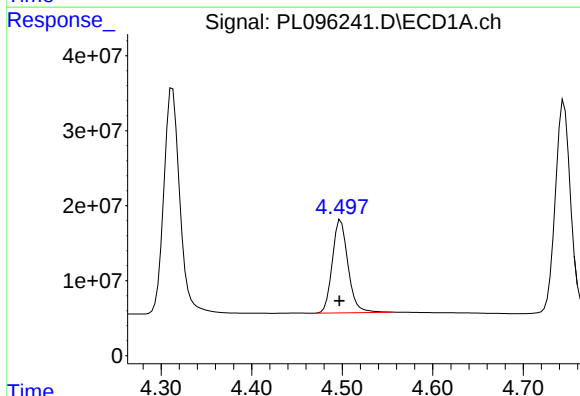
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



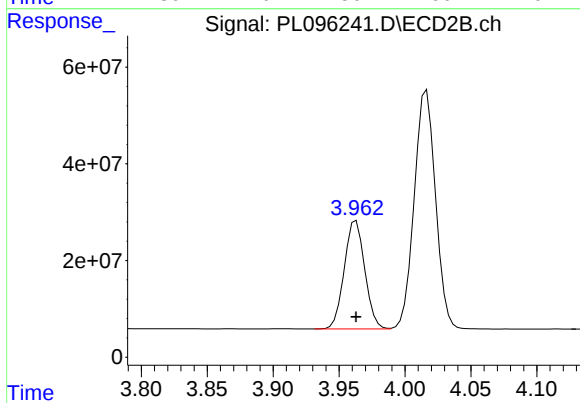
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 537939626
Conc: 73.33 ng/ml



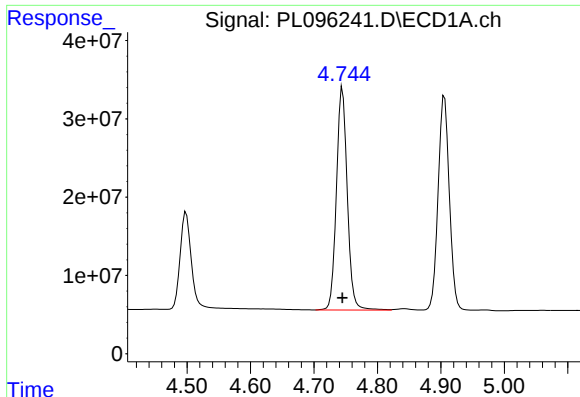
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 149995346
Conc: 73.49 ng/ml m



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 241953093
Conc: 72.77 ng/ml



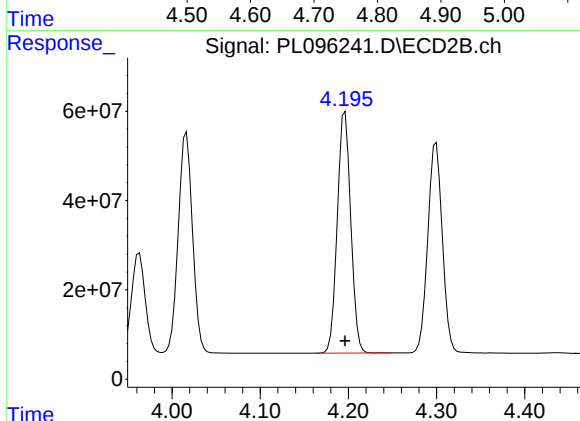
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 338239285
Conc: 73.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

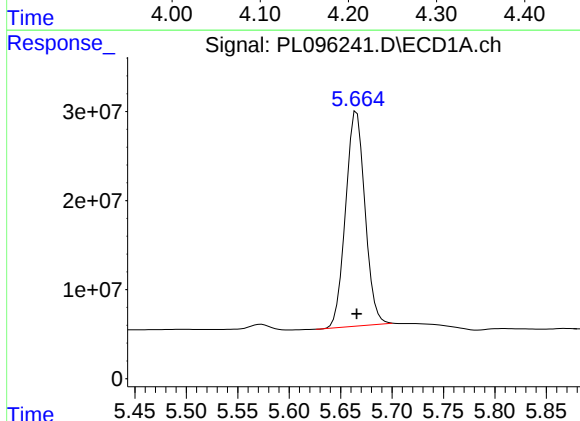
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



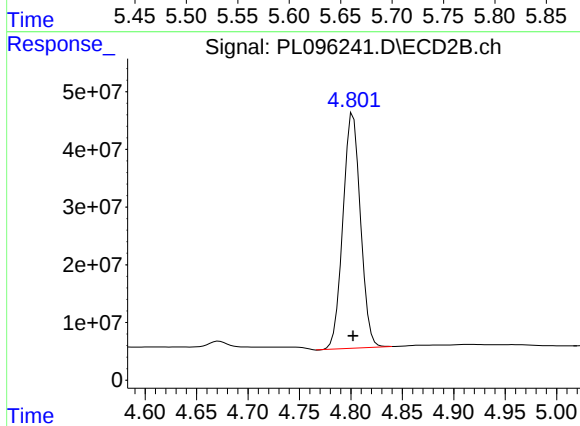
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 573353492
Conc: 73.32 ng/ml



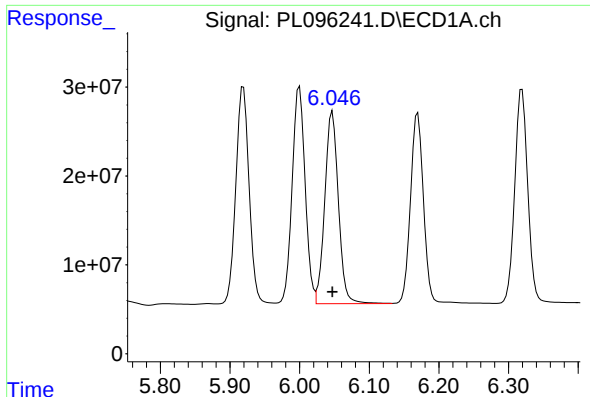
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 316321392
Conc: 74.13 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 483858685
Conc: 73.57 ng/ml



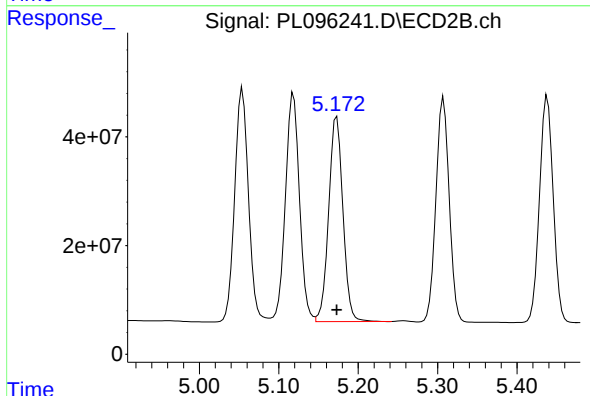
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 294274733
Conc: 73.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

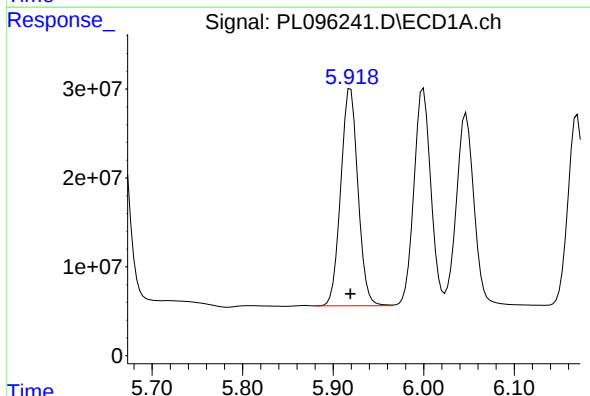
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



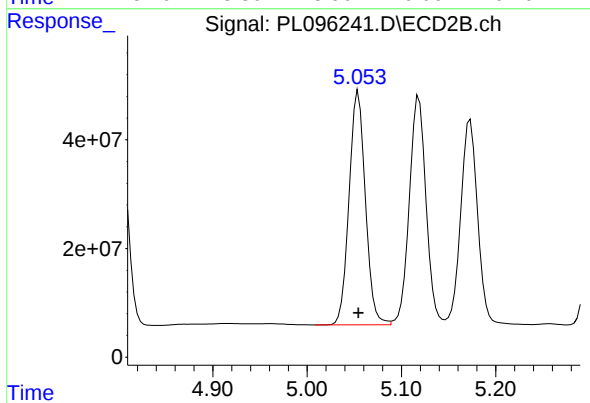
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 470088253
Conc: 73.25 ng/ml



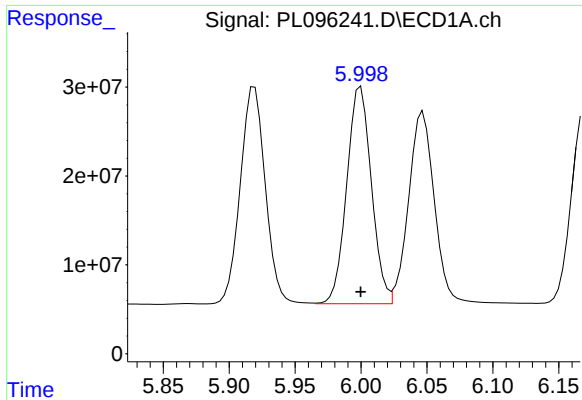
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 323535827
Conc: 73.02 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 518309627
Conc: 74.09 ng/ml



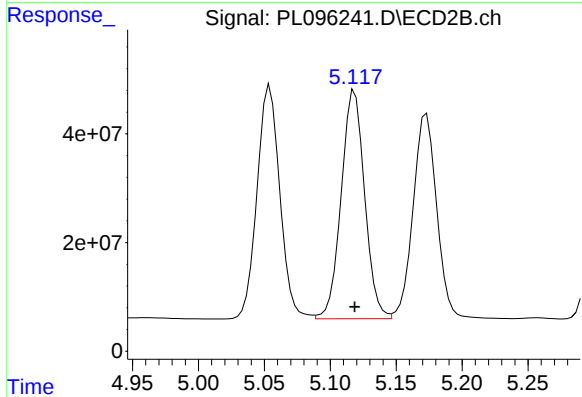
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 317688612
Conc: 73.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

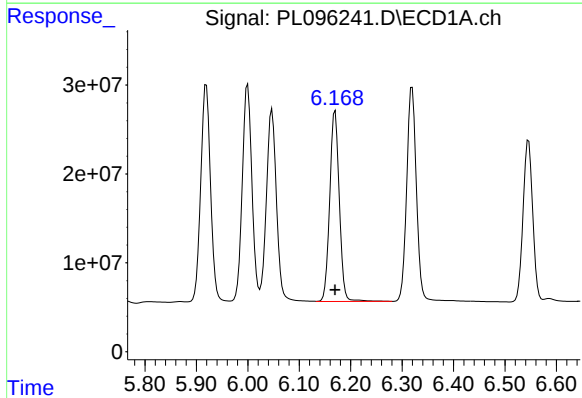
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



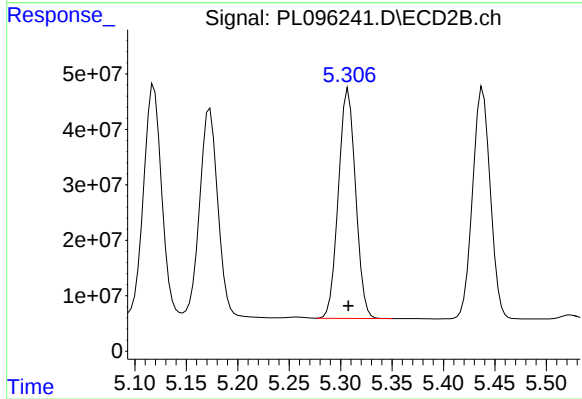
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 520145705
Conc: 74.14 ng/ml



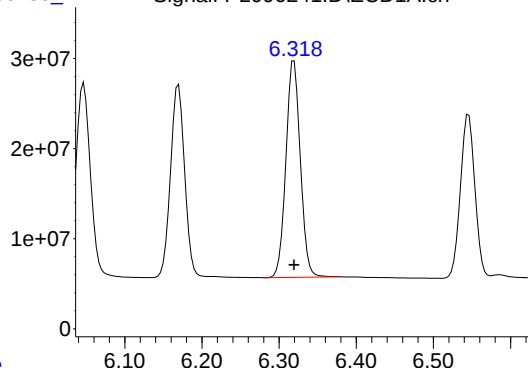
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 277665348
Conc: 73.78 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 481278531
Conc: 73.32 ng/ml



R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 312301591
Conc: 73.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

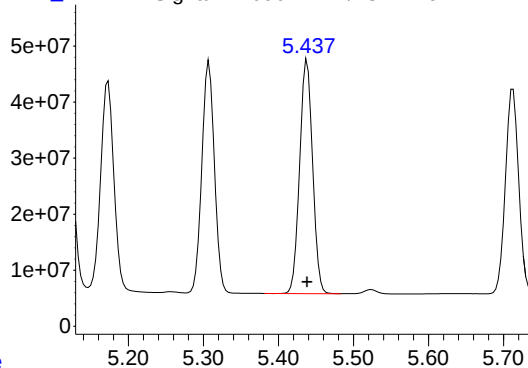
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096241.D\ECD2B.ch

#13 Dieldrin



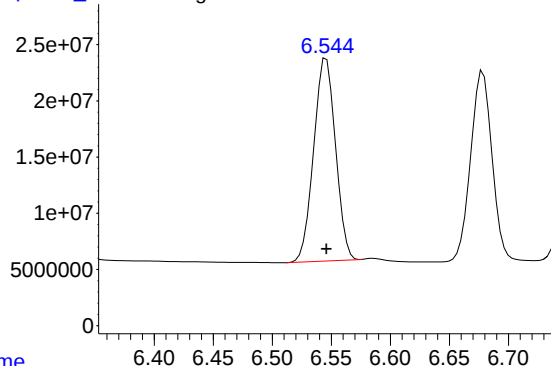
R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 500504569
Conc: 73.09 ng/ml

Time

Response_

Signal: PL096241.D\ECD1A.ch

#14 Endrin



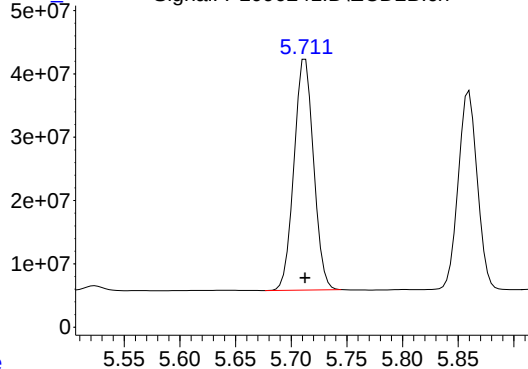
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 232219601
Conc: 73.12 ng/ml

Time

Response_

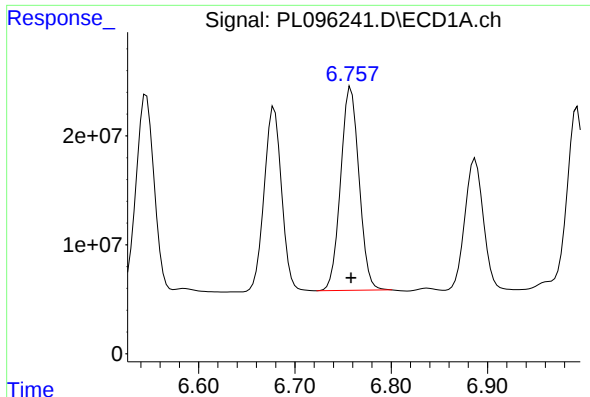
Signal: PL096241.D\ECD2B.ch

#14 Endrin



R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 447229804
Conc: 73.36 ng/ml

Time



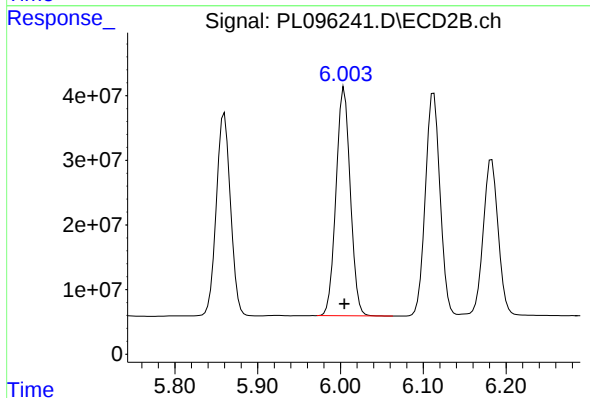
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 247308429
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

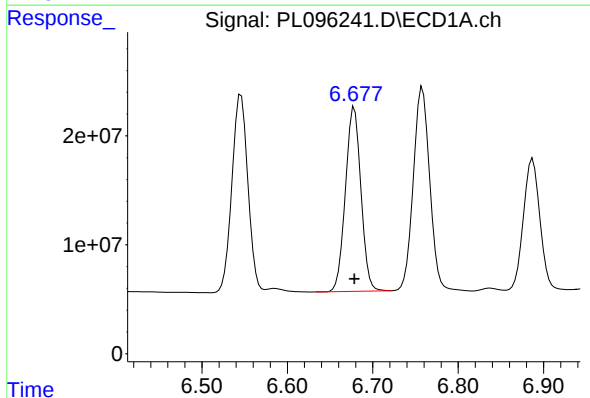
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



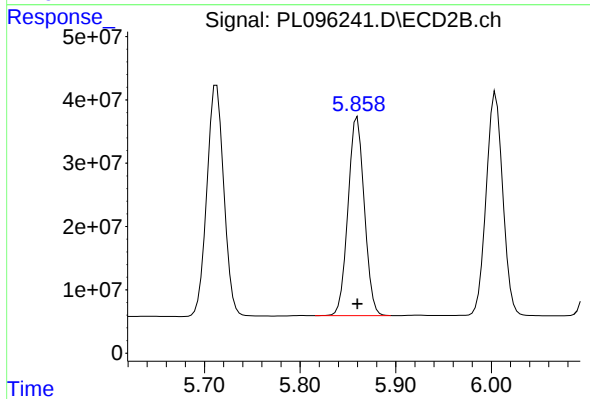
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 423621224
Conc: 73.43 ng/ml



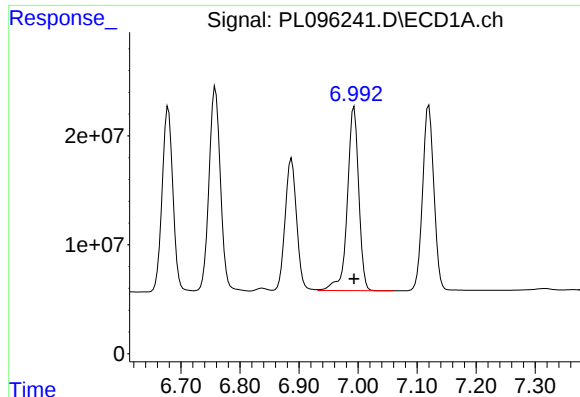
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 213518178
Conc: 72.92 ng/ml



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 373318019
Conc: 71.31 ng/ml



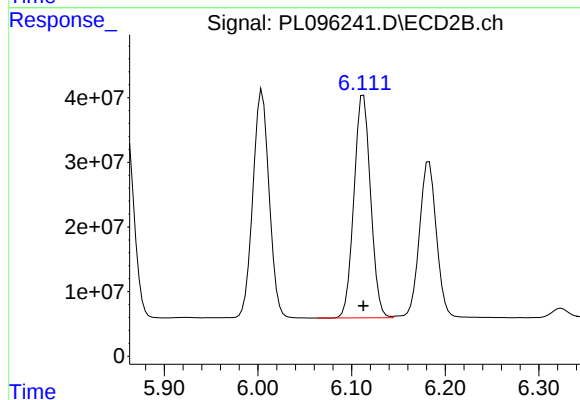
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 226572574
Conc: 74.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

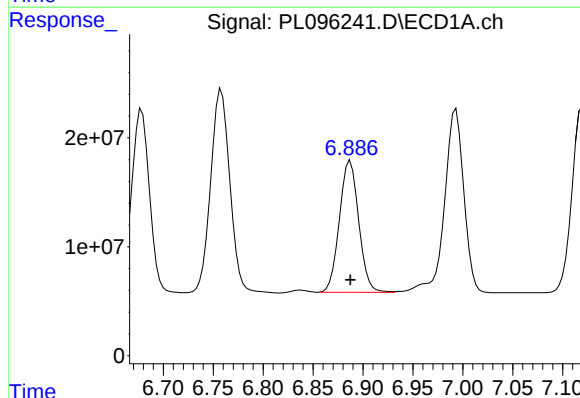
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



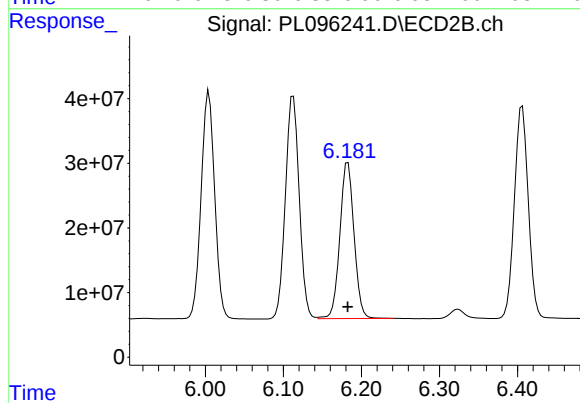
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 425653619
Conc: 73.42 ng/ml



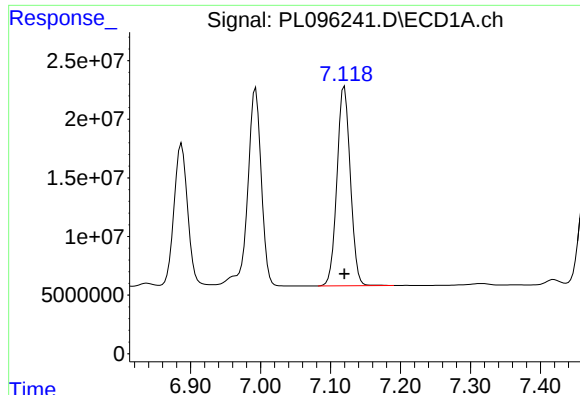
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 162737910
Conc: 74.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 304826260
Conc: 73.41 ng/ml



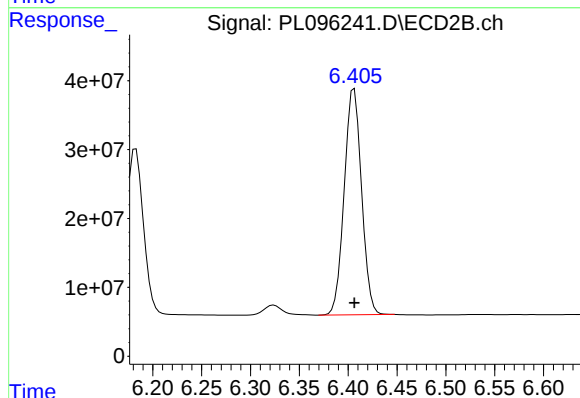
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 225348743
Conc: 73.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

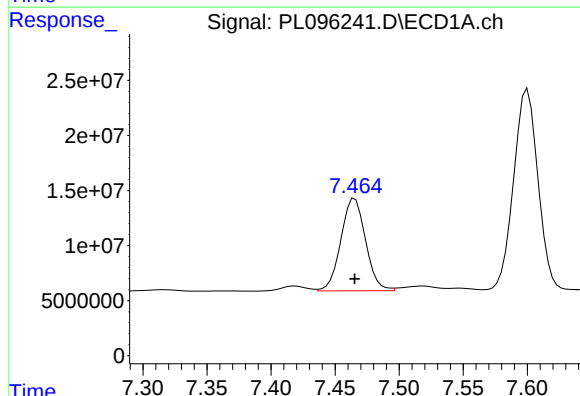
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



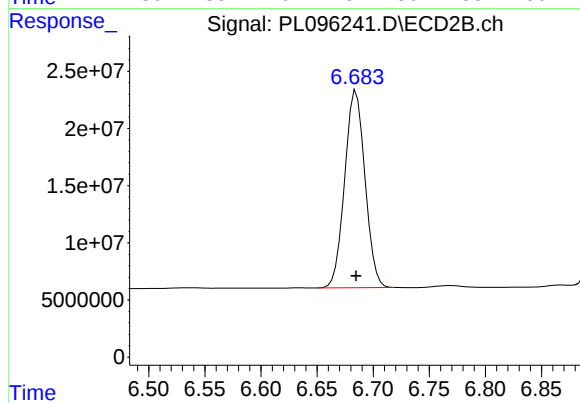
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 405945824
Conc: 73.48 ng/ml



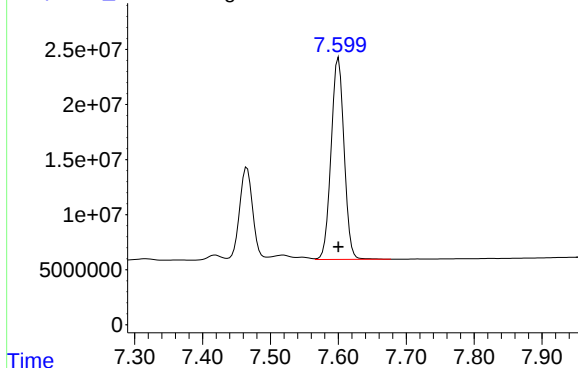
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 112371935
Conc: 74.03 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 216984559
Conc: 73.39 ng/ml

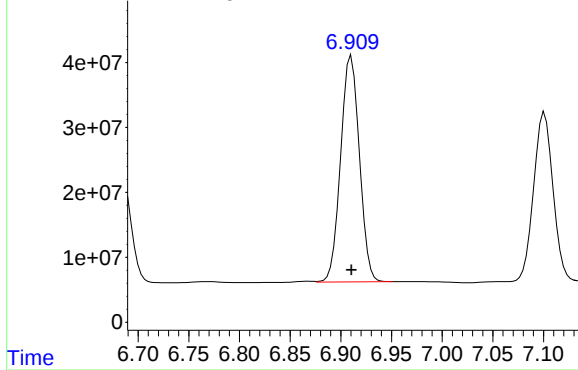


R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 243303097
Conc: 73.63 ng/ml

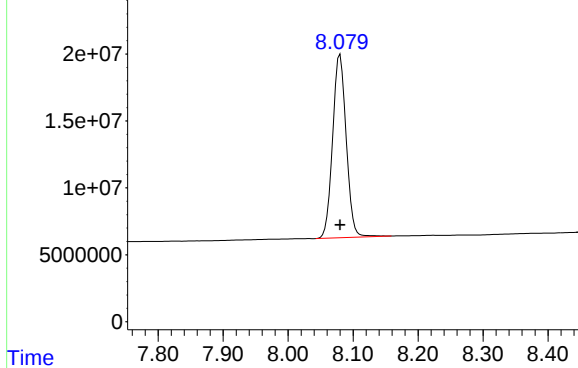
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

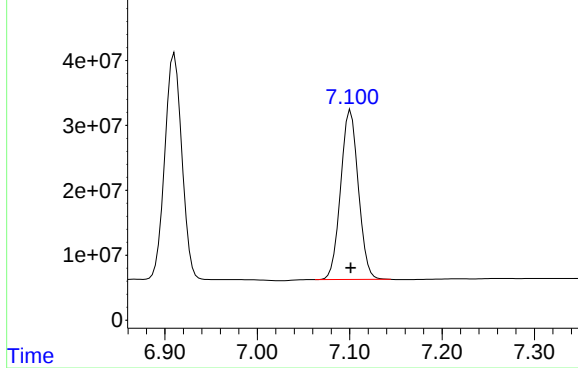
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



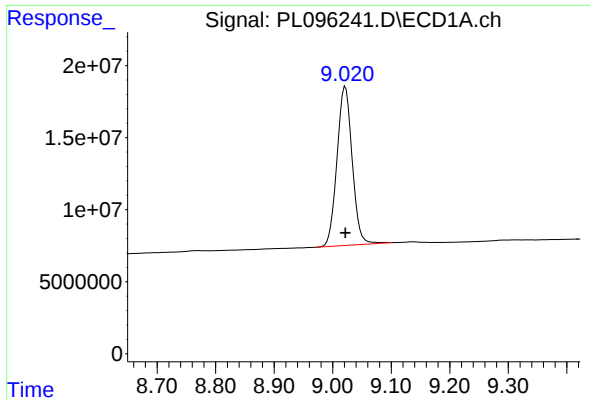
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 448848951
Conc: 73.15 ng/ml



R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 198304993
Conc: 73.42 ng/ml



R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 347235656
Conc: 73.27 ng/ml



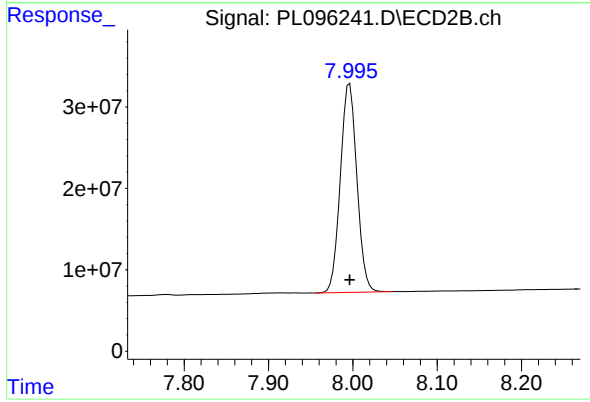
#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.000 min
Response: 199505555
Conc: 73.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 349995776
Conc: 73.29 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096242.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:22
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:50:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	180.3E6	287.3E6	50.000	50.000
28)	SA Decachlor...	9.020	7.996	136.5E6	243.6E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.985	3.335	261.0E6	429.2E6	50.000	50.000
3)	MA gamma-BHC...	4.313	3.667	250.2E6	398.1E6	50.000	50.000
4)	MA Heptachlor	4.906	4.017	225.0E6	383.3E6	50.000	50.000
5)	MB Aldrin	5.246	4.300	240.9E6	368.0E6	50.000	50.000
6)	B beta-BHC	4.499	3.963	102.1E6	169.4E6	50.000	50.000
7)	B delta-BHC	4.746	4.197	225.8E6	390.1E6	50.000	50.000
8)	B Heptachlo...	5.665	4.802	211.2E6	334.6E6	50.000	50.000
9)	A Endosulfan I	6.047	5.173	198.6E6	328.5E6	50.000	50.000
10)	B gamma-Chl...	5.919	5.054	220.5E6	348.9E6	50.000	50.000
11)	B alpha-Chl...	6.000	5.118	216.8E6	353.2E6	50.000	50.000
12)	B 4,4'-DDE	6.169	5.307	183.1E6	326.8E6	50.000	50.000
13)	MA Dieldrin	6.319	5.438	211.0E6	346.2E6	50.000	50.000
14)	MA Endrin	6.545	5.712	157.6E6	307.3E6	50.000	50.000
15)	B Endosulfa...	6.758	6.004	168.4E6	290.6E6	50.000	50.000
16)	A 4,4'-DDD	6.678	5.859	145.6E6	257.8E6	50.000	50.000
17)	MA 4,4'-DDT	6.992	6.112	150.7E6	289.6E6	50.000	50.000
18)	B Endrin al...	6.886	6.182	110.6E6	213.4E6	50.000	50.000
19)	B Endosulfa...	7.119	6.406	151.6E6	279.6E6	50.000	50.000
20)	A Methoxychlor	7.464	6.684	76763109	151.4E6	50.000	50.000
21)	B Endrin ke...	7.600	6.910	164.9E6	313.0E6	50.000	50.000
22)	Mirex	8.080	7.100	136.8E6	241.9E6	50.000	50.000

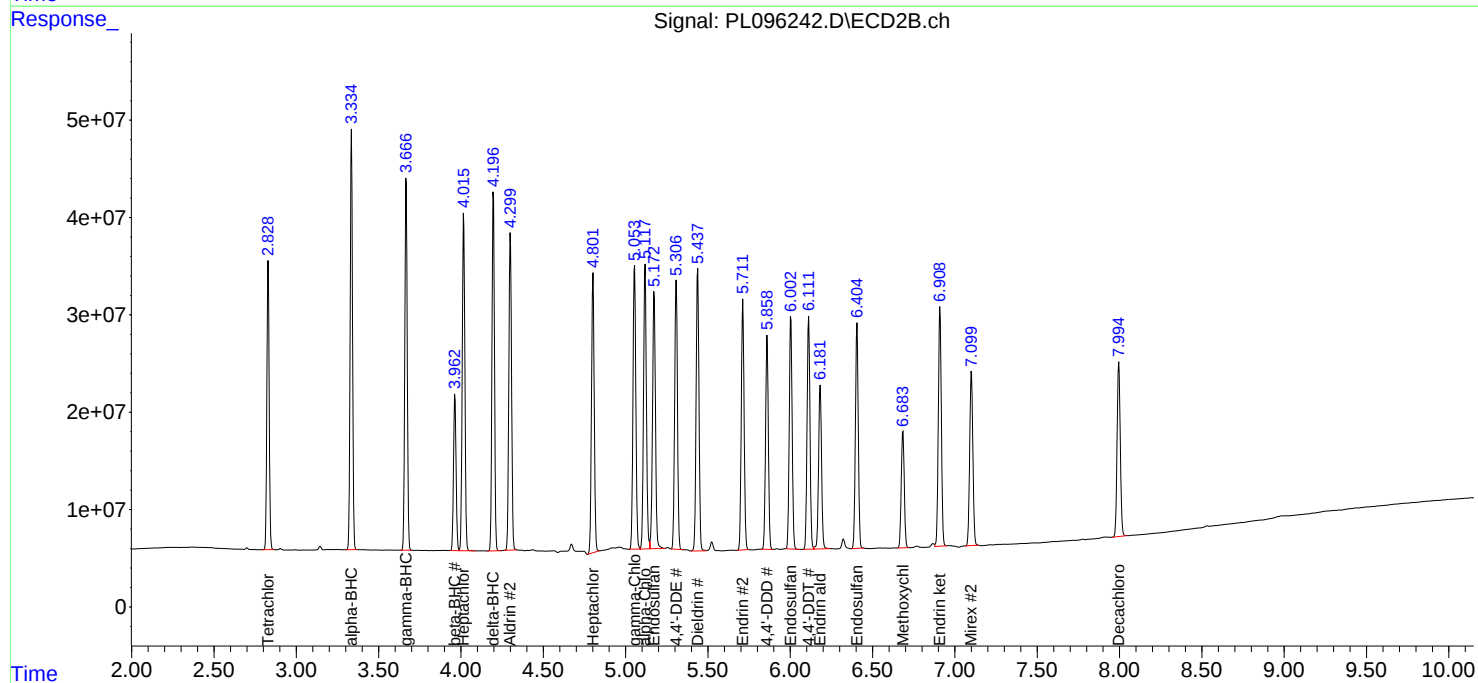
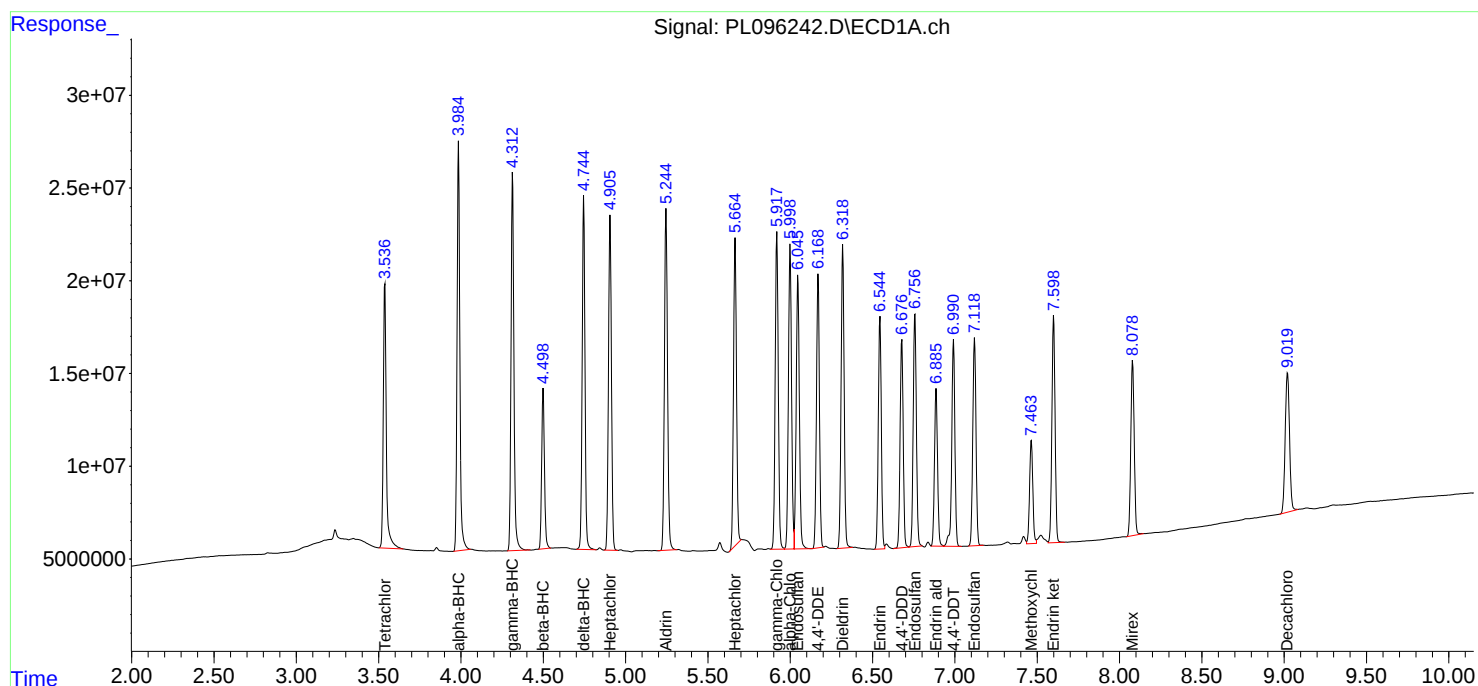
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

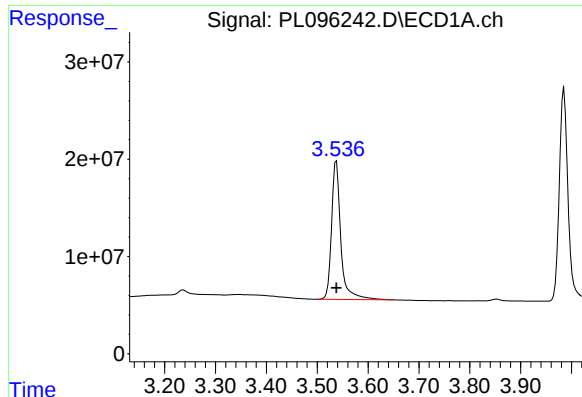
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:50:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

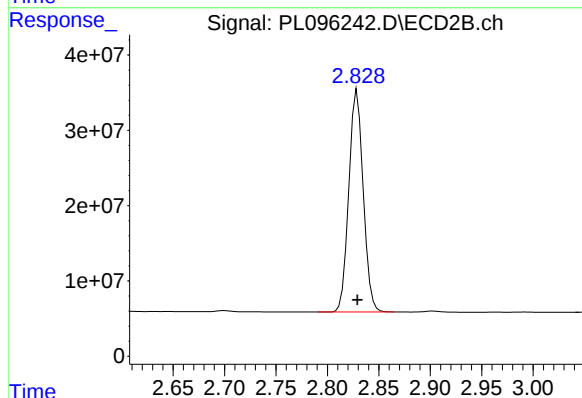




#1 Tetrachloro-m-xylene

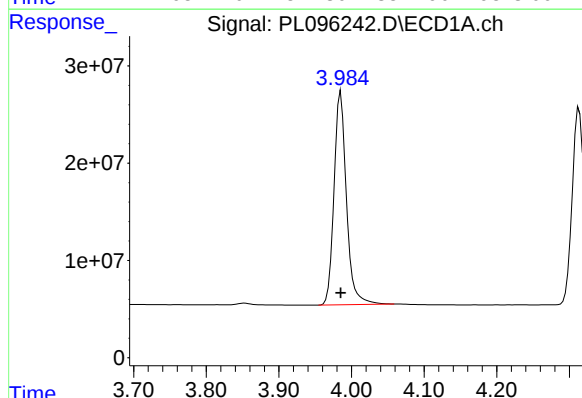
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 180340356
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



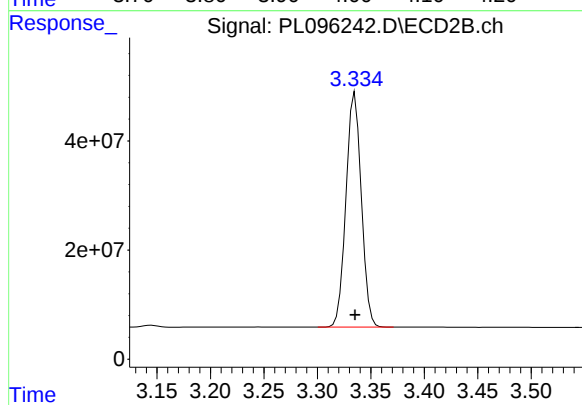
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 287304688
Conc: 50.00 ng/ml



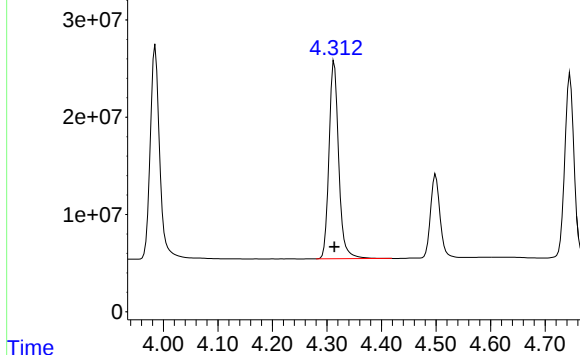
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 260958634
Conc: 50.00 ng/ml



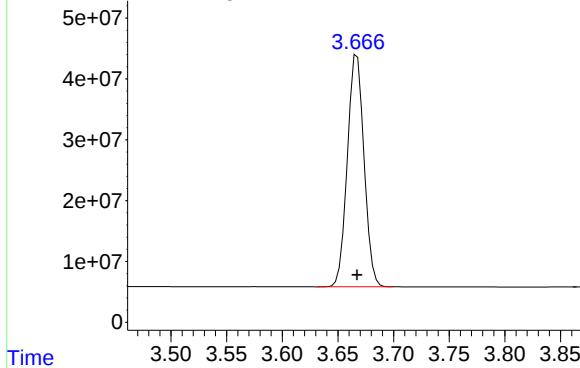
#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 429233594
Conc: 50.00 ng/ml

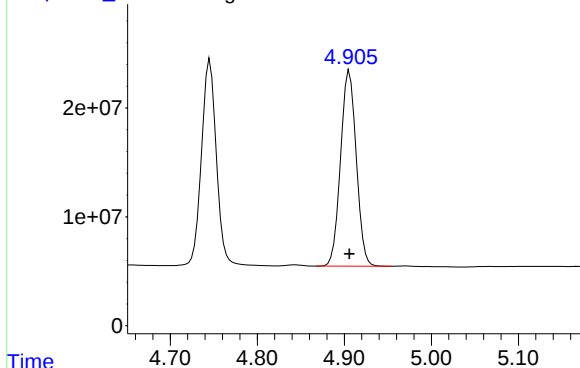


R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 250181430
Conc: 50.00 ng/ml

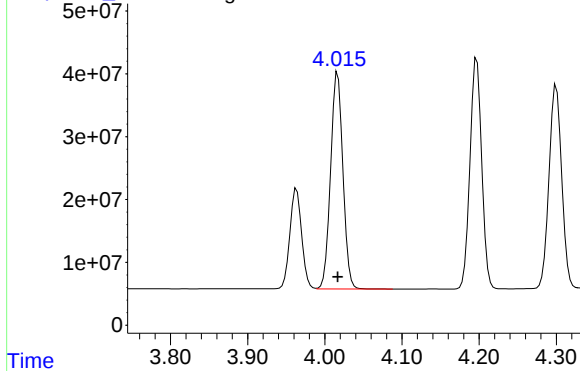
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 398064170
Conc: 50.00 ng/ml



R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 225009035
Conc: 50.00 ng/ml



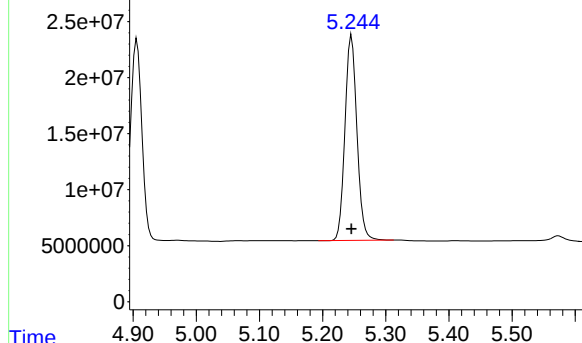
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 383301991
Conc: 50.00 ng/ml

Response_ Signal: PL096242.D\ECD1A.ch

#5 Aldrin

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 240943248
Conc: 50.00 ng/ml

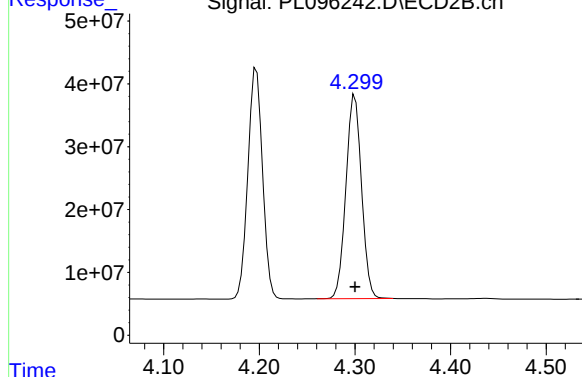
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



Response_ Signal: PL096242.D\ECD2B.ch

#5 Aldrin

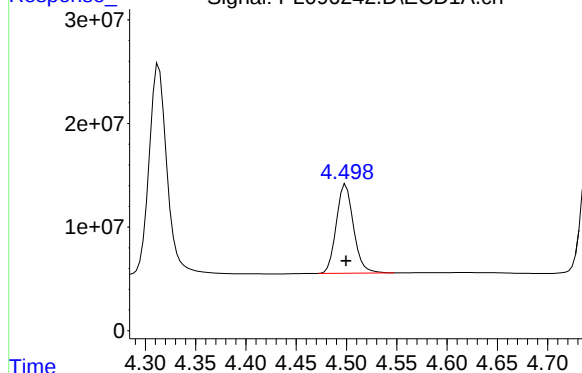
R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 367963556
Conc: 50.00 ng/ml



Response_ Signal: PL096242.D\ECD1A.ch

#6 beta-BHC

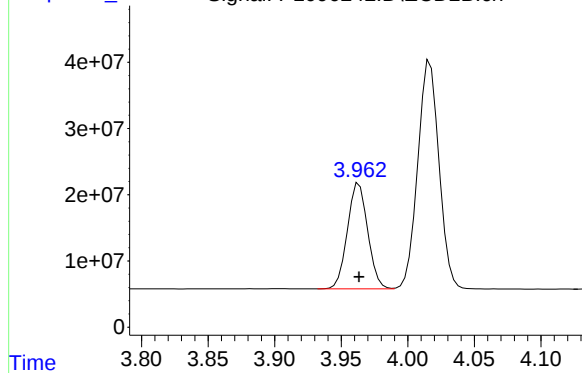
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 102124337
Conc: 50.00 ng/ml



Response_ Signal: PL096242.D\ECD2B.ch

#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 169402024
Conc: 50.00 ng/ml



Response_ Signal: PL096242.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 225831214
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_ Signal: PL096242.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 390072704
Conc: 50.00 ng/ml

Time

Response_ Signal: PL096242.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 211165413
Conc: 50.00 ng/ml

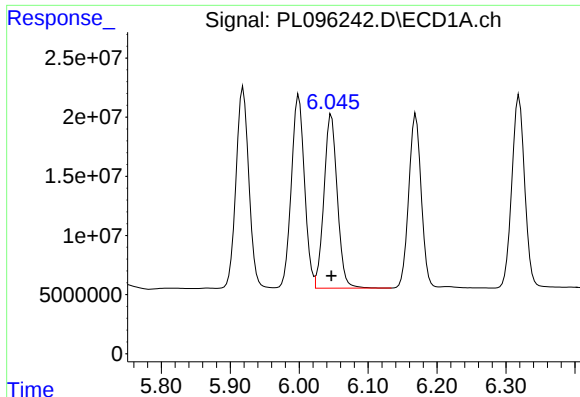
Time

Response_ Signal: PL096242.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 334592538
Conc: 50.00 ng/ml

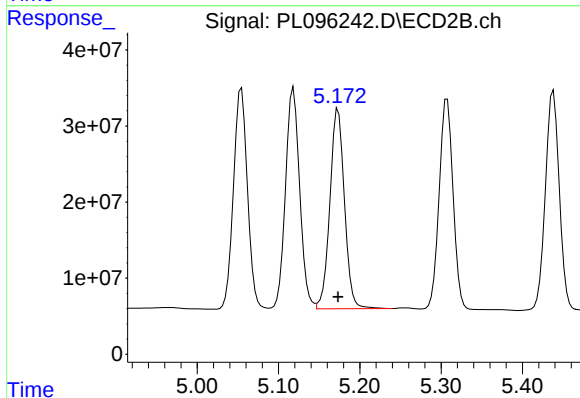
Time



#9 Endosulfan I

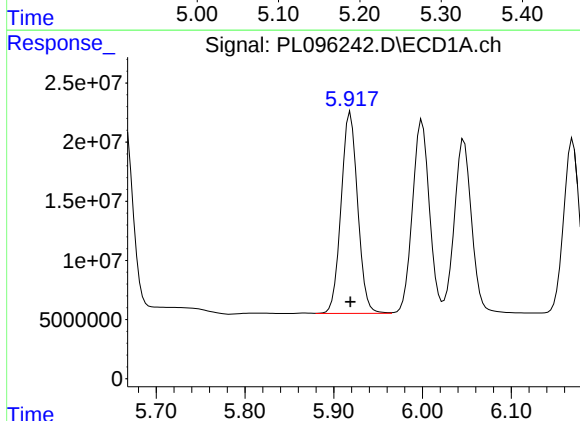
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 198646842
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



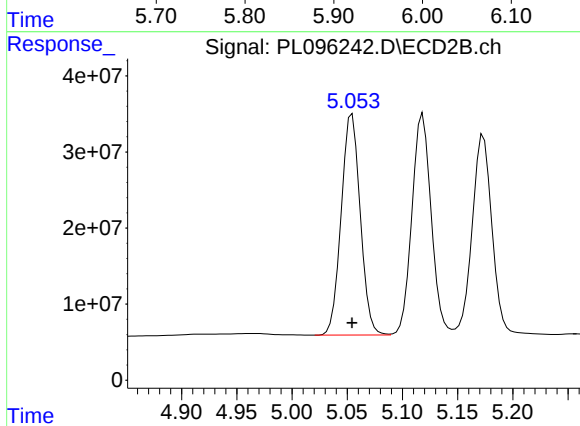
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 328477286
Conc: 50.00 ng/ml



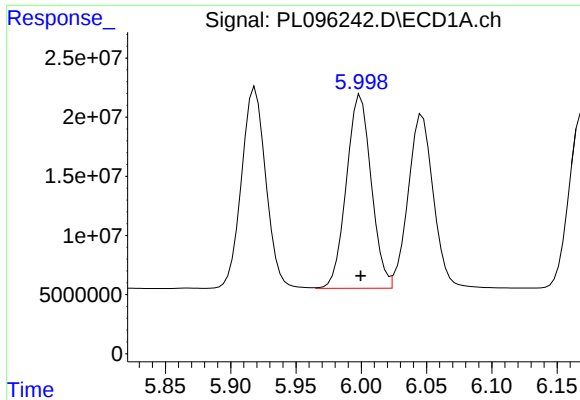
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 220489591
Conc: 50.00 ng/ml



#10 gamma-Chlordane

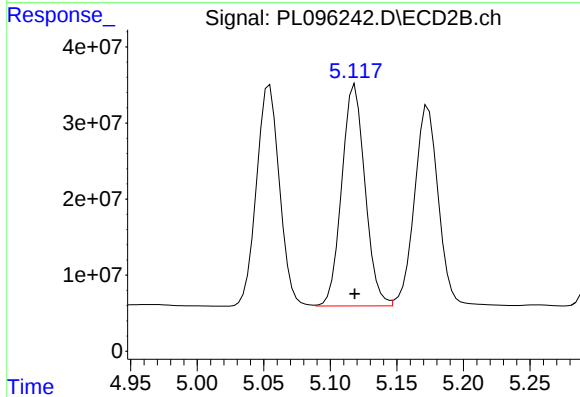
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 348940053
Conc: 50.00 ng/ml



#11 alpha-Chlordane

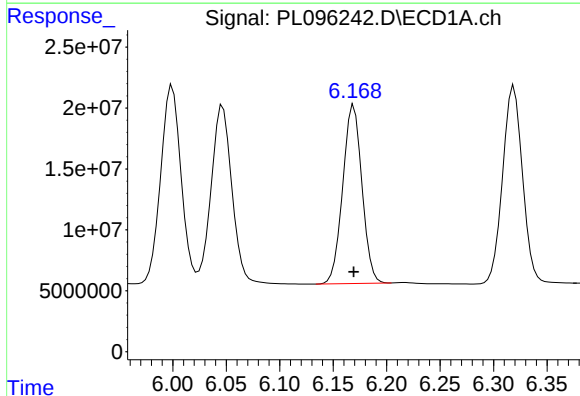
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 216813787
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



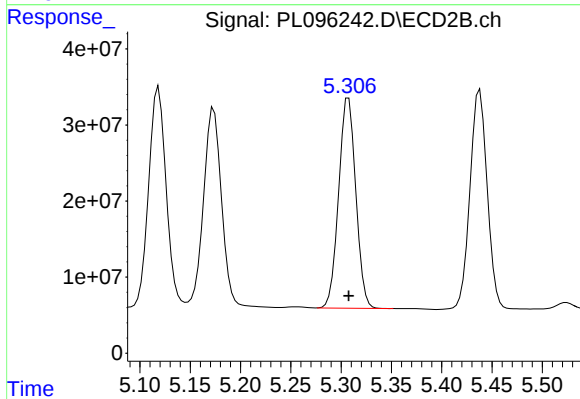
#11 alpha-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 353238194
Conc: 50.00 ng/ml



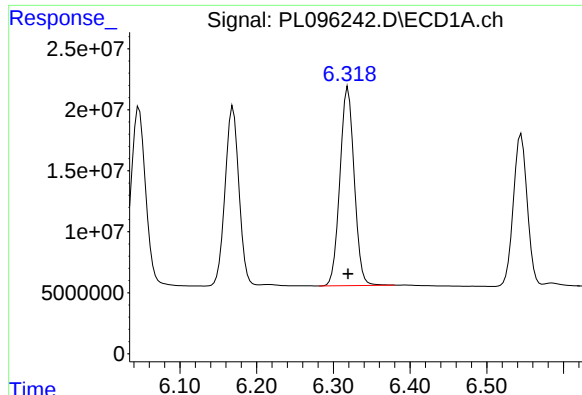
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 183079540
Conc: 50.00 ng/ml



#12 4,4'-DDE

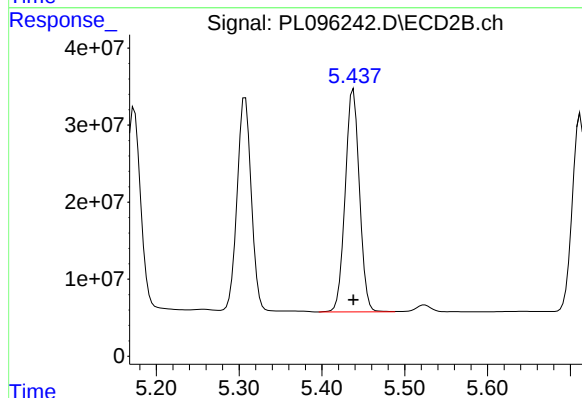
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 326837554
Conc: 50.00 ng/ml



#13 Dieldrin

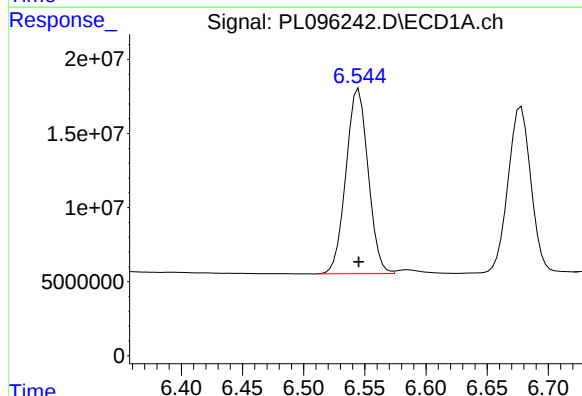
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 211016119
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



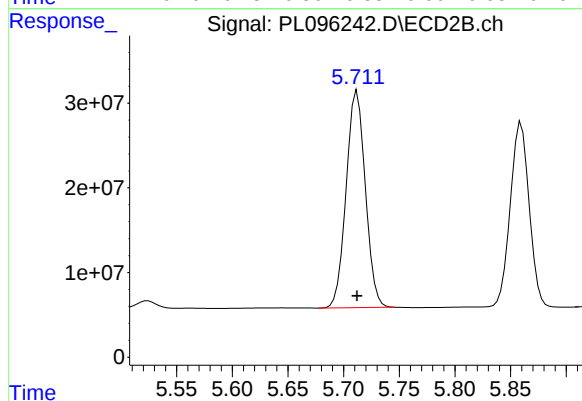
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 346243637
Conc: 50.00 ng/ml



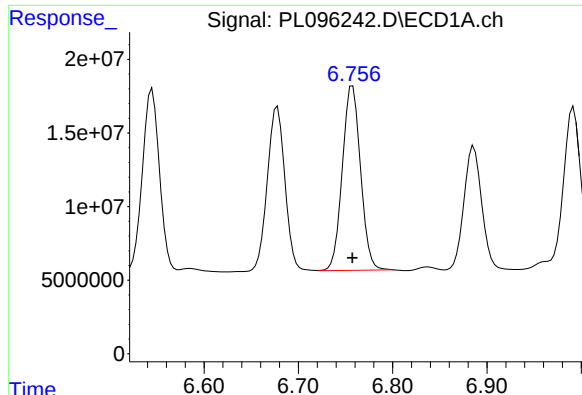
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 157614725
Conc: 50.00 ng/ml



#14 Endrin

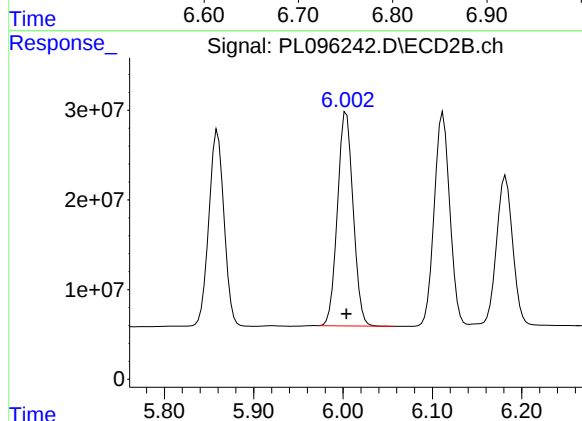
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 307294613
Conc: 50.00 ng/ml



#15 Endosulfan II

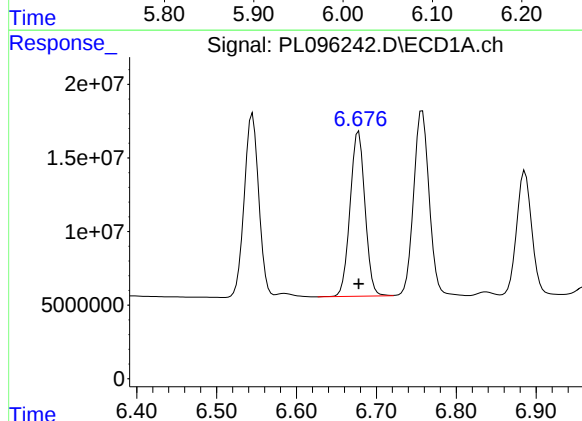
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 168435403
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



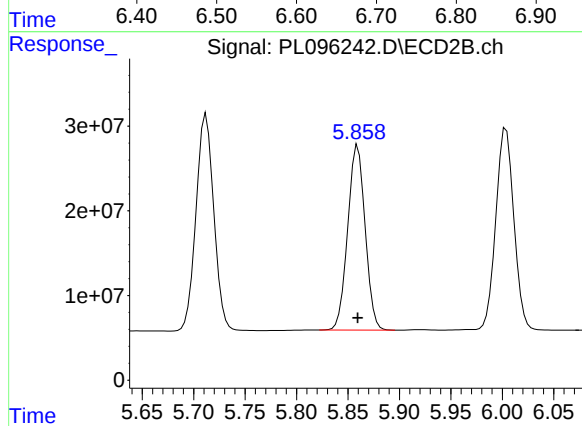
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 290618254
Conc: 50.00 ng/ml



#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 145600204
Conc: 50.00 ng/ml

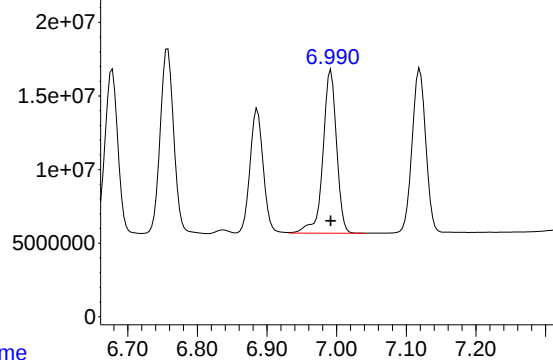


#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 257773489
Conc: 50.00 ng/ml

Response_ Signal: PL096242.D\ECD1A.ch

#17 4,4'-DDT

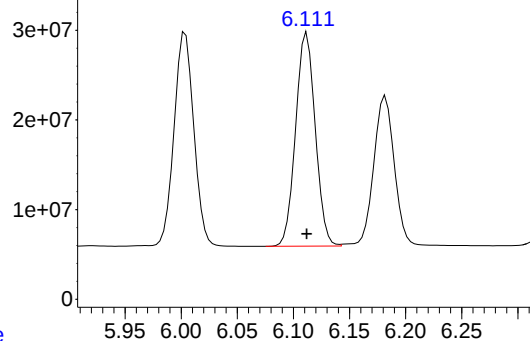


R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 150692866
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time Response_ Signal: PL096242.D\ECD2B.ch

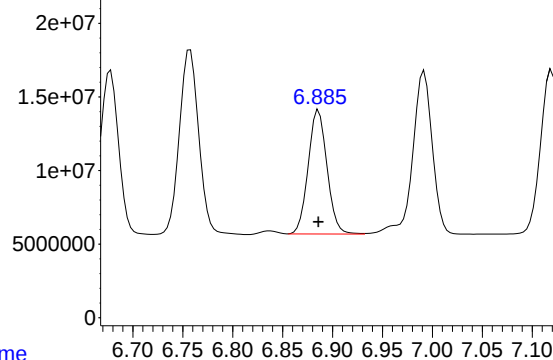
#17 4,4'-DDT



R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 289593562
Conc: 50.00 ng/ml

Time Response_ Signal: PL096242.D\ECD1A.ch

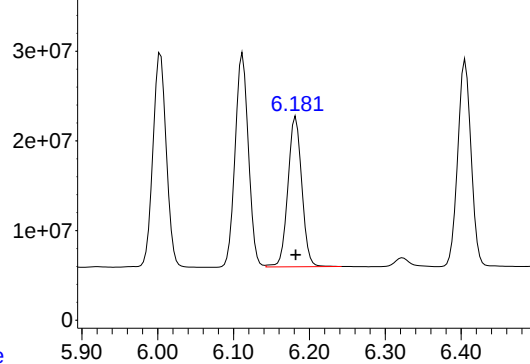
#18 Endrin aldehyde



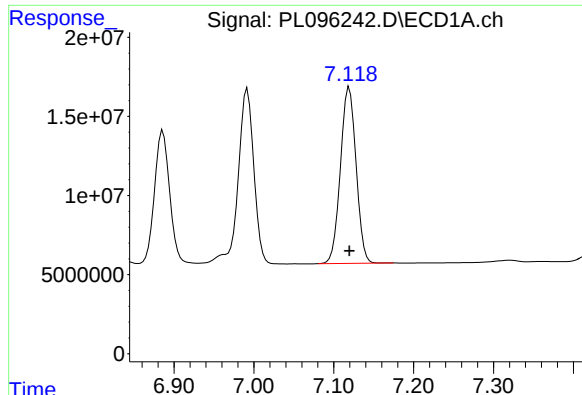
R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 110588769
Conc: 50.00 ng/ml

Time Response_ Signal: PL096242.D\ECD2B.ch

#18 Endrin aldehyde



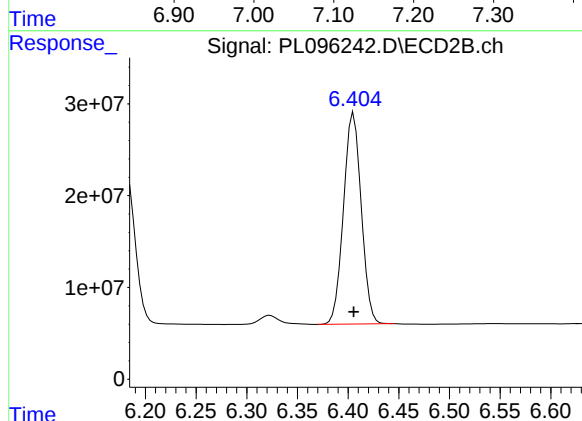
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 213381691
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

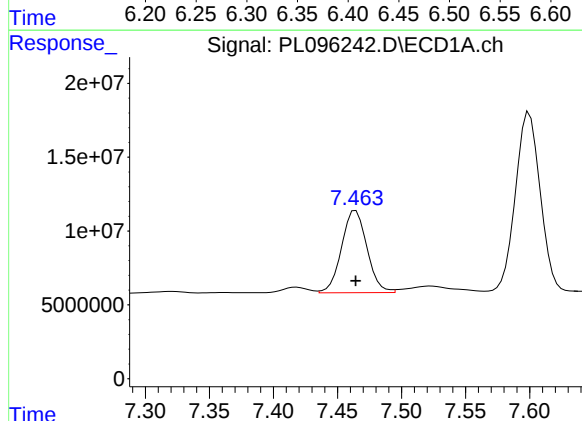
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 151554718
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



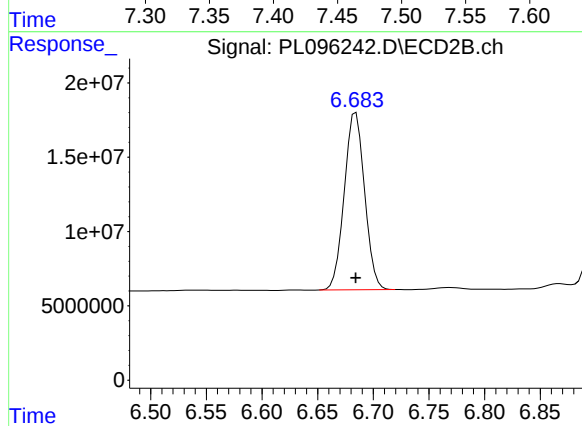
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 279591776
Conc: 50.00 ng/ml



#20 Methoxychlor

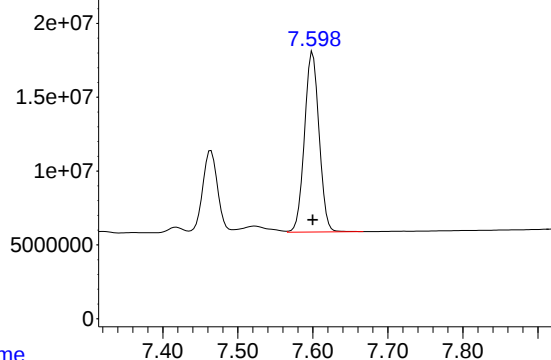
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 76763109
Conc: 50.00 ng/ml



#20 Methoxychlor

R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 151388159
Conc: 50.00 ng/ml

Response_ Signal: PL096242.D\ECD1A.ch

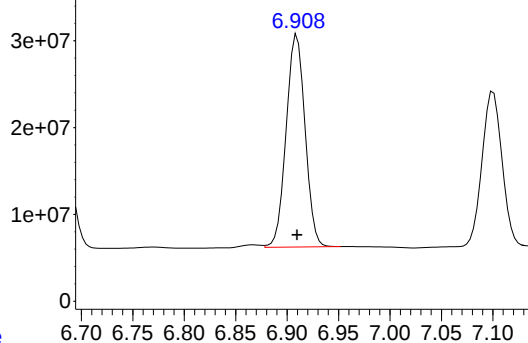


#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 164944167
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

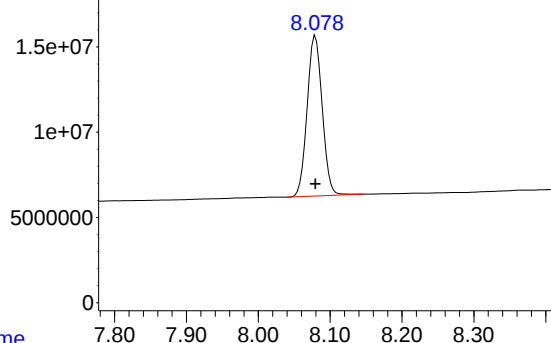
Time Response_ Signal: PL096242.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 313023983
Conc: 50.00 ng/ml

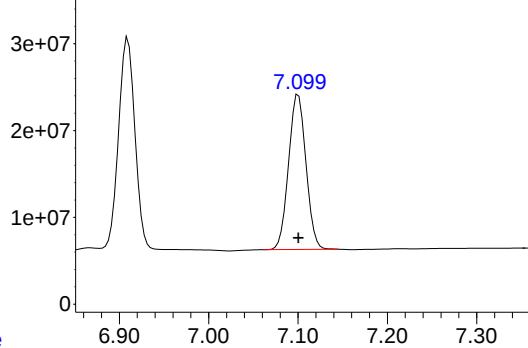
Time Response_ Signal: PL096242.D\ECD1A.ch



#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 136781602
Conc: 50.00 ng/ml

Time Response_ Signal: PL096242.D\ECD2B.ch



#22 Mirex

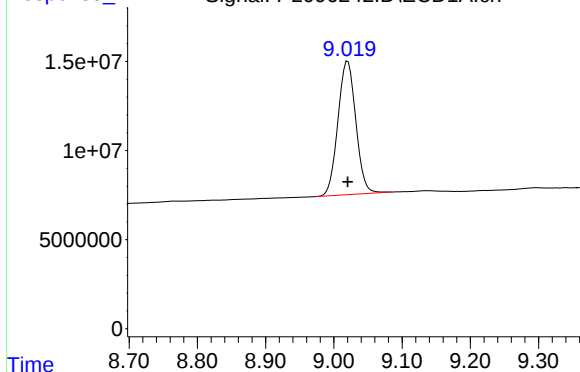
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 241930143
Conc: 50.00 ng/ml

Response_

Signal: PL096242.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 136486709
Conc: 50.00 ng/ml

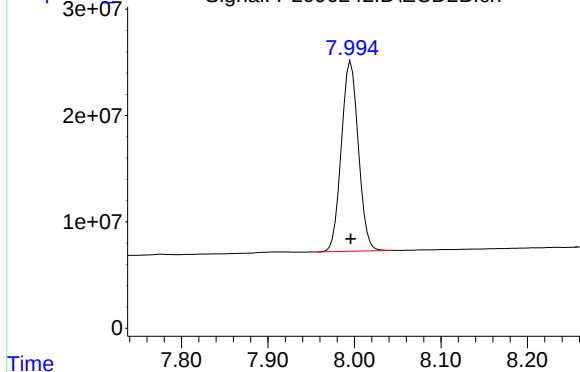
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response

Signal: PL096242.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 243608962
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096243.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:36
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 13:57:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	91131135	145.0E6	25.245	25.362
28)	SA Decachlor...	9.020	7.996	71001314	127.1E6	25.902	26.196
Target Compounds							
2)	A alpha-BHC	3.985	3.335	124.9E6	209.0E6	23.704	24.437
3)	MA gamma-BHC...	4.313	3.667	121.8E6	196.4E6	24.252	24.753
4)	MA Heptachlor	4.905	4.017	112.0E6	191.7E6	24.741	25.225
5)	MB Aldrin	5.245	4.300	118.7E6	181.9E6	24.473	24.847
6)	B beta-BHC	4.499	3.964	51593189	86999189	25.201	25.864
7)	B delta-BHC	4.745	4.197	108.7E6	191.5E6	23.913	24.613
8)	B Heptachlo...	5.665	4.802	104.3E6	168.1E6	24.584	25.416
9)	A Endosulfan I	6.046	5.173	99024442	177.3E6	24.815	26.919
10)	B gamma-Chl...	5.919	5.054	109.4E6	174.8E6	24.768	24.989
11)	B alpha-Chl...	5.999	5.119	108.7E6	184.0E6	24.999	25.915
12)	B 4,4'-DDE	6.169	5.307	89563798	160.3E6	24.087	24.561
13)	MA Dieldrin	6.319	5.438	103.8E6	170.6E6	24.502	24.937
14)	MA Endrin	6.545	5.712	75881870	152.6E6	24.162	25.028
15)	B Endosulfa...	6.757	6.003	85668436	147.4E6	25.329	25.399m
16)	A 4,4'-DDD	6.677	5.859	71650668	132.2E6	24.600	25.187
17)	MA 4,4'-DDT	6.992	6.113	74288680	143.0E6	24.465	24.753
18)	B Endrin al...	6.886	6.182	55834732	113.1E6	25.291	26.639
19)	B Endosulfa...	7.119	6.406	75807591	141.9E6	24.844	25.508
20)	A Methoxychlor	7.464	6.684	39522332	77835403	25.770	25.981
21)	B Endrin ke...	7.599	6.909	82764438	158.8E6	25.035	25.653
22)	Mirex	8.079	7.101	70613541	126.1E6	25.849	26.192

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

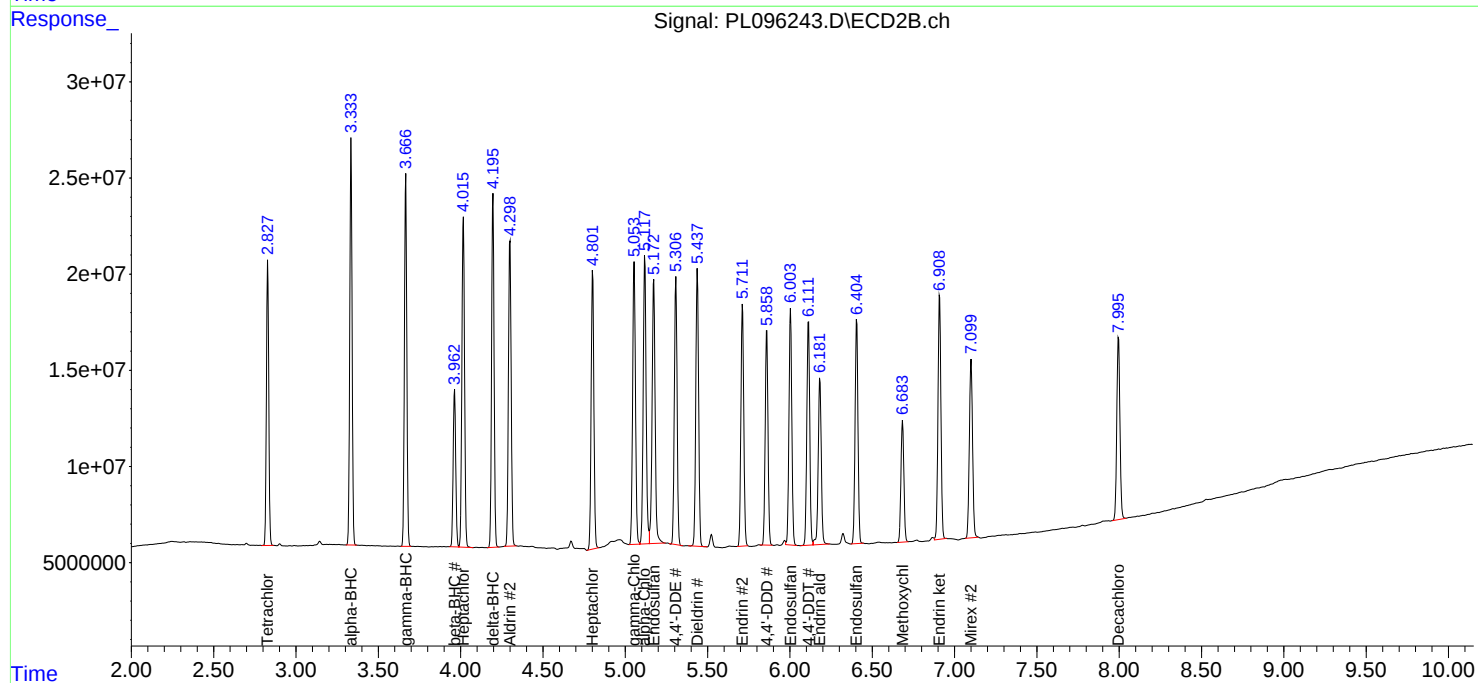
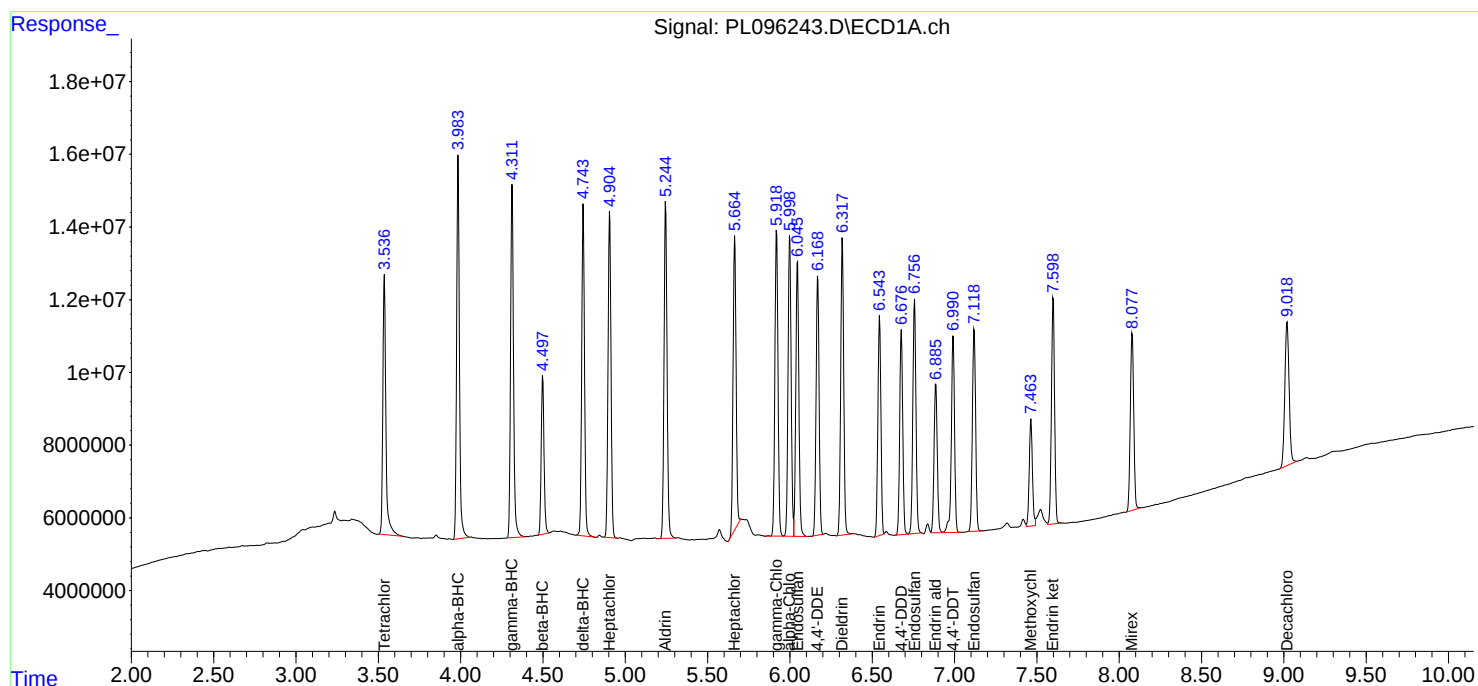
APPROVED

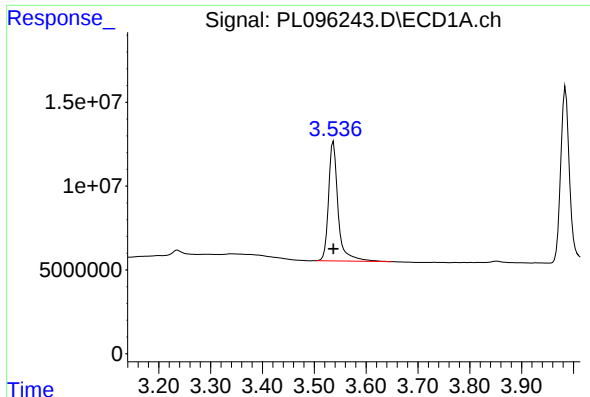
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

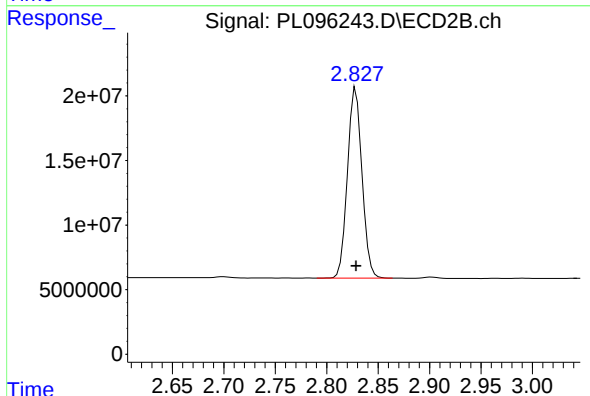
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 91131135
Conc: 25.24 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

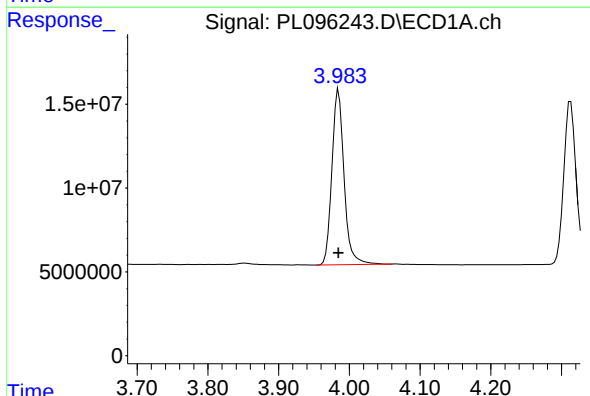
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



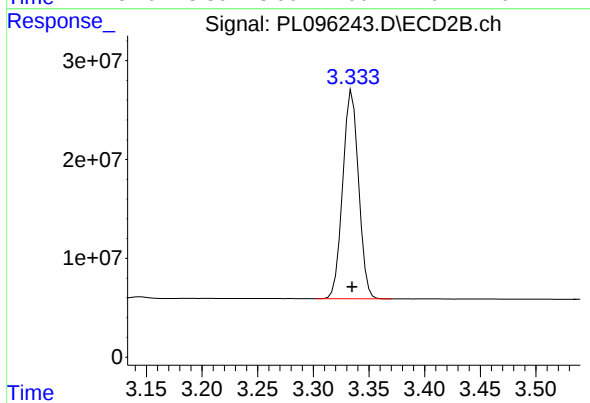
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 144981590
Conc: 25.36 ng/ml



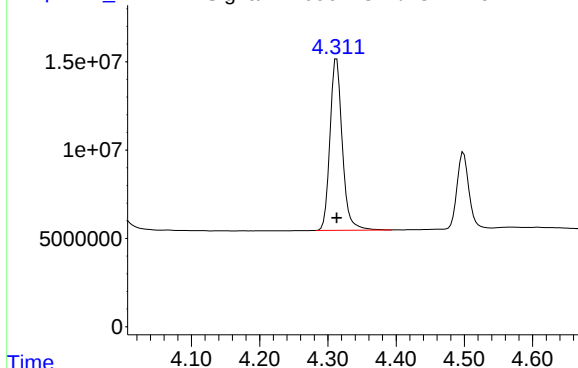
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 124855148
Conc: 23.70 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 209014460
Conc: 24.44 ng/ml

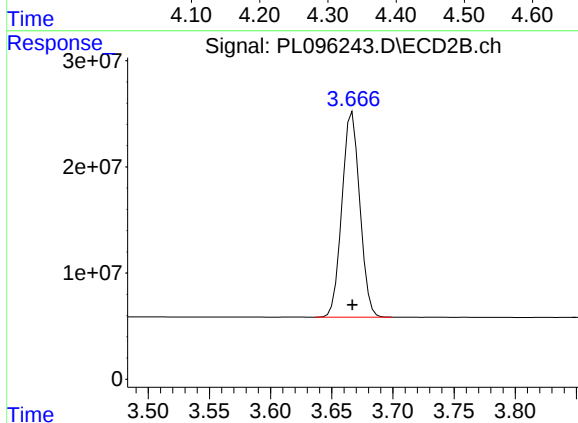


R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 121811219
Conc: 24.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

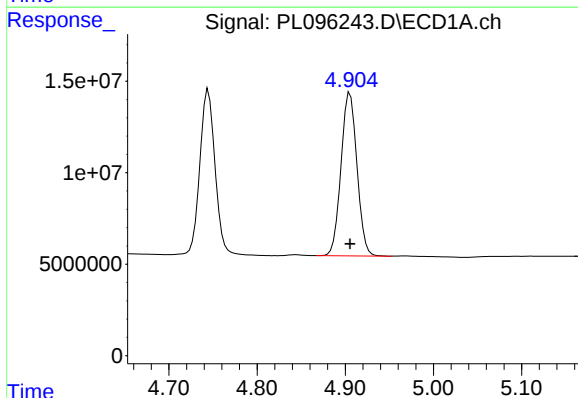
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



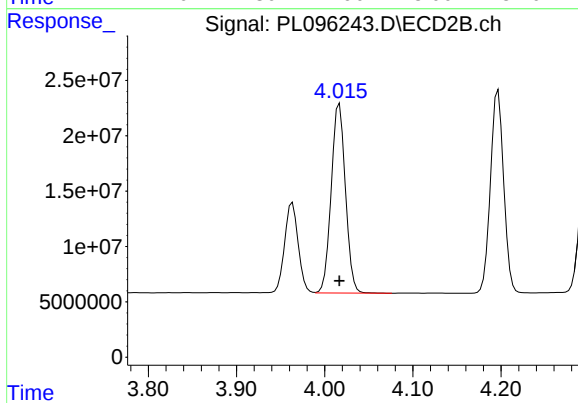
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 196372971
Conc: 24.75 ng/ml



#4 Heptachlor

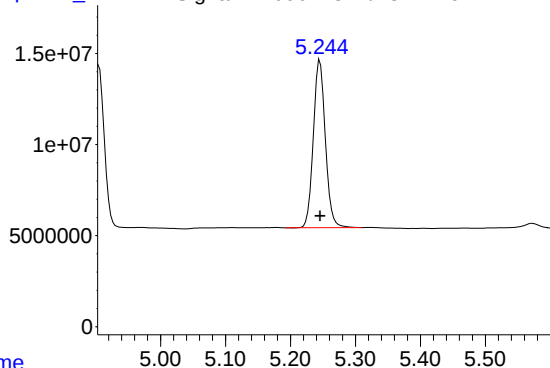
R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 111978235
Conc: 24.74 ng/ml



#4 Heptachlor

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 191680190
Conc: 25.22 ng/ml

Response_ Signal: PL096243.D\ECD1A.ch



#5 Aldrin

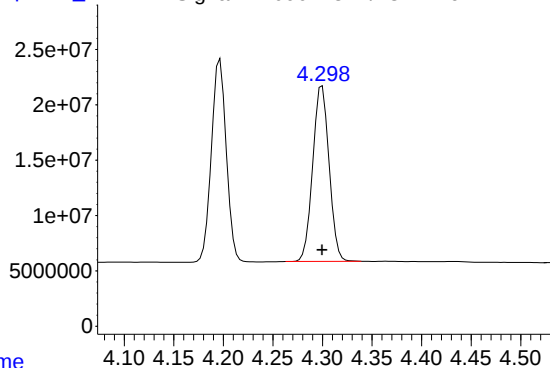
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 118683013
Conc: 24.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

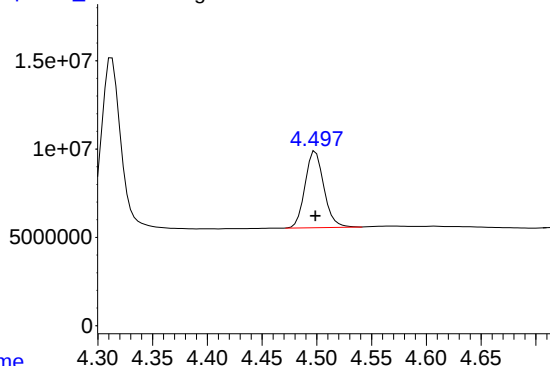
Time Response_ Signal: PL096243.D\ECD2B.ch



#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 181901551
Conc: 24.85 ng/ml

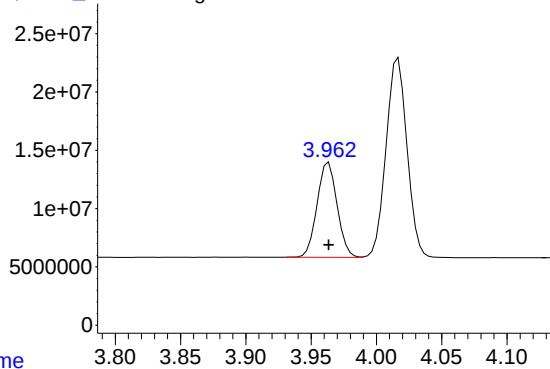
Time Response_ Signal: PL096243.D\ECD1A.ch



#6 beta-BHC

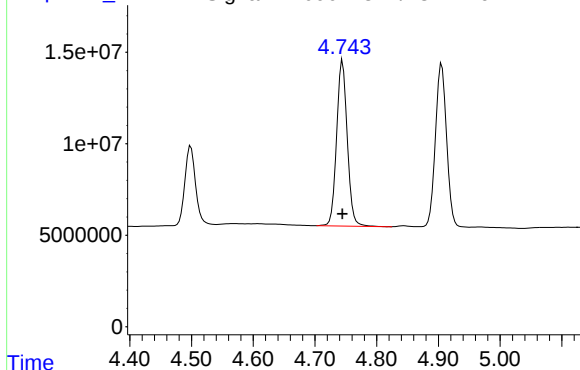
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 51593189
Conc: 25.20 ng/ml

Time Response_ Signal: PL096243.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 86999189
Conc: 25.86 ng/ml

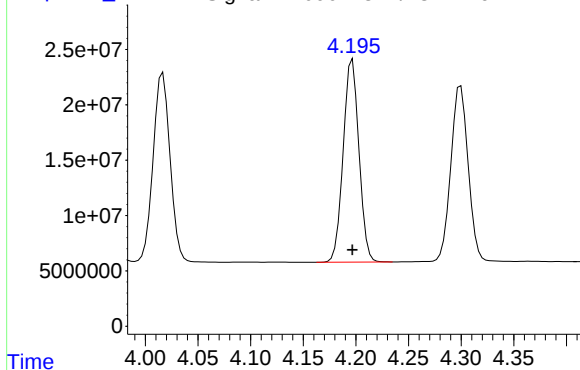


R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 108668725
Conc: 23.91 ng/ml

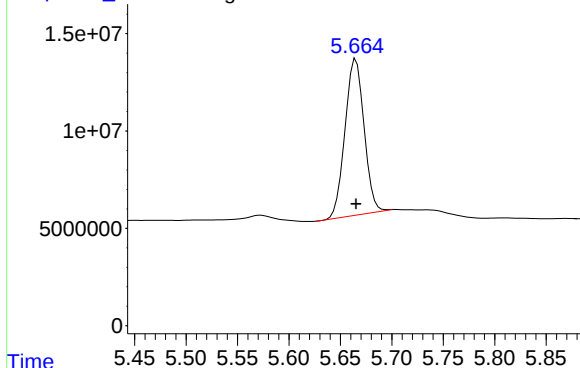
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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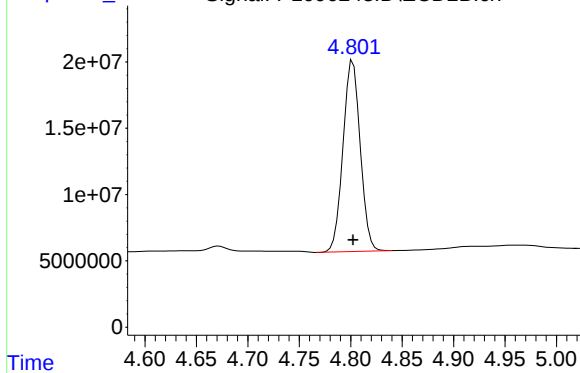
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



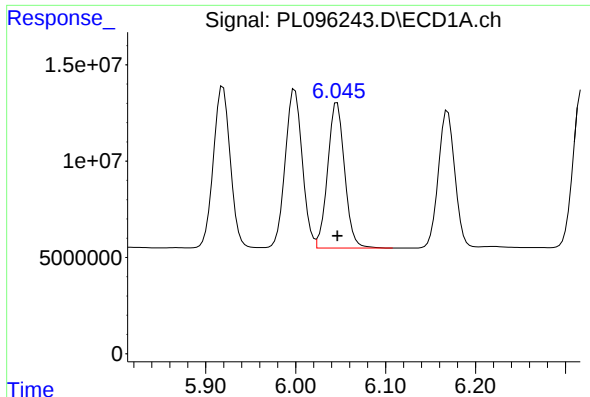
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 191489716
Conc: 24.61 ng/ml



R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 104327998
Conc: 24.58 ng/ml



R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 168101653
Conc: 25.42 ng/ml



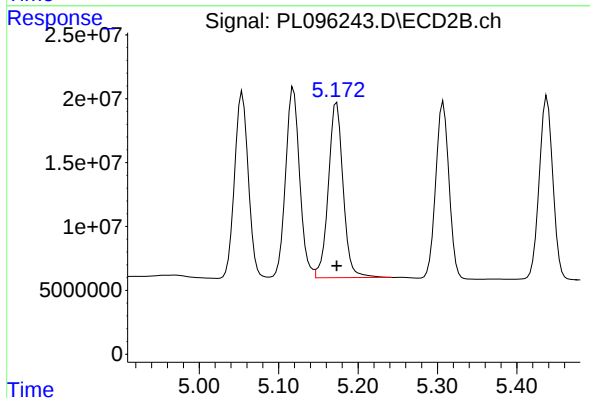
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 99024442
Conc: 24.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

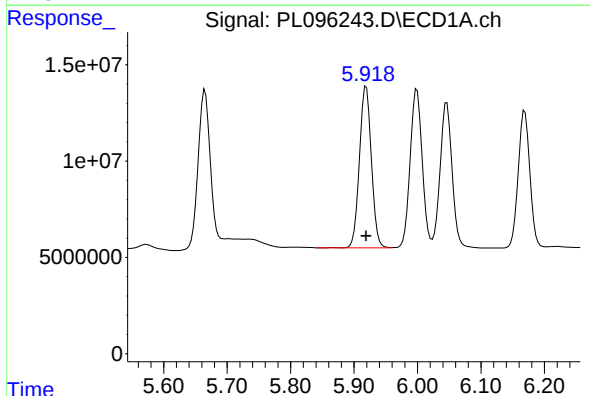
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



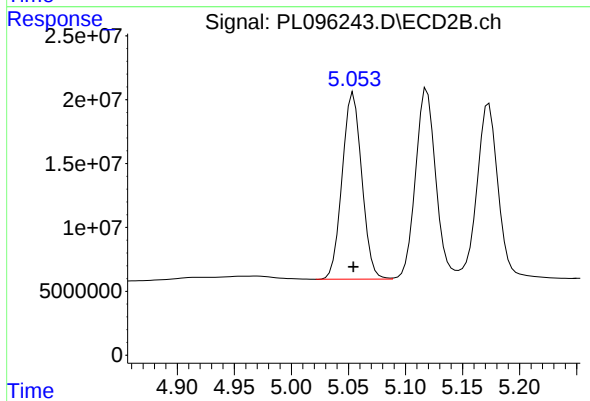
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 177299742
Conc: 26.92 ng/ml



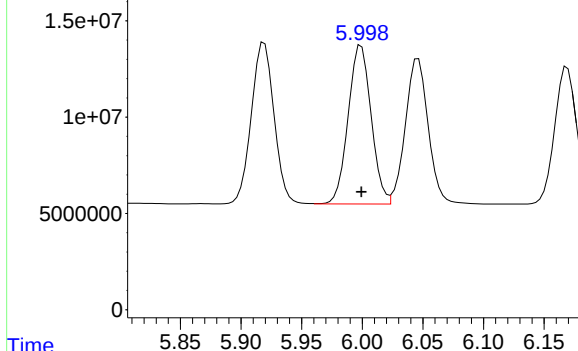
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 109411861
Conc: 24.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 174783686
Conc: 24.99 ng/ml



R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 108663198
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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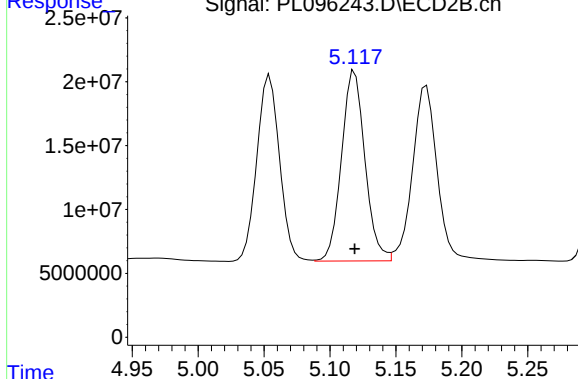
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response

Signal: PL096243.D\ECD2B.ch

#11 alpha-Chlordane



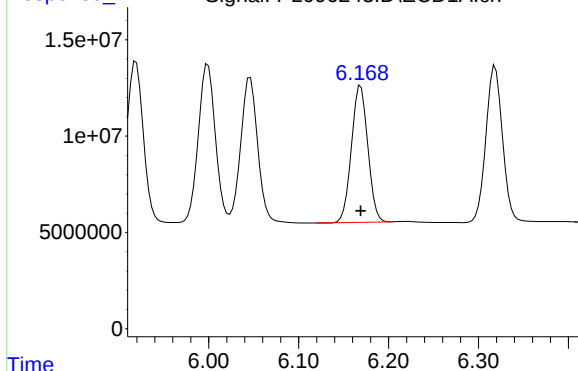
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 184049107
Conc: 25.92 ng/ml

Time

Response

Signal: PL096243.D\ECD1A.ch

#12 4,4'-DDE



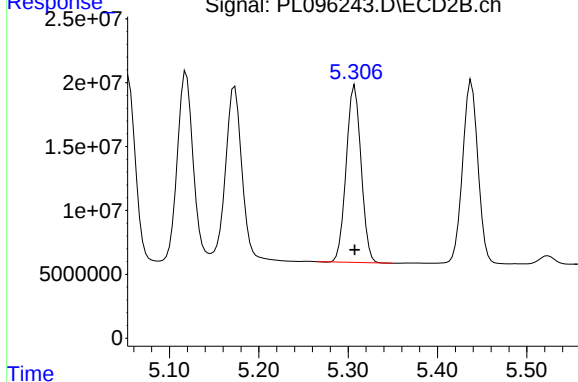
R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 89563798
Conc: 24.09 ng/ml

Time

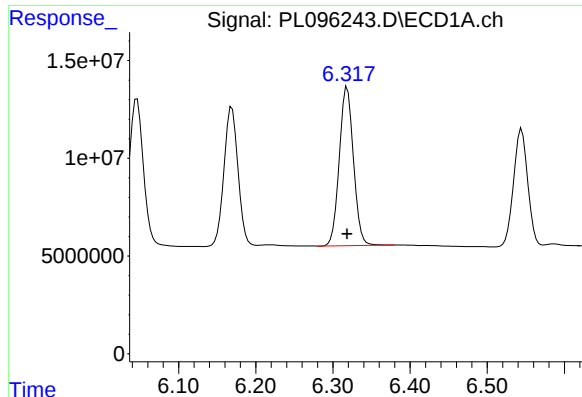
Response

Signal: PL096243.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 160286767
Conc: 24.56 ng/ml



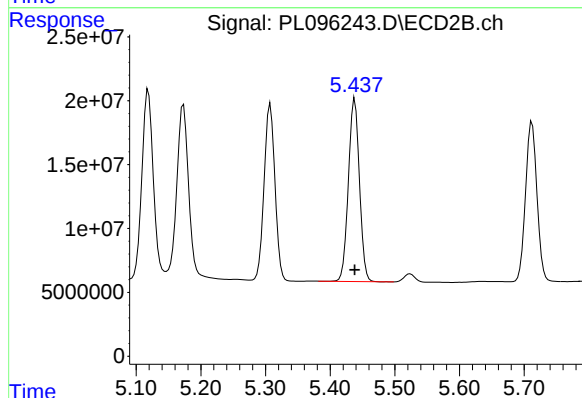
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 103826097
Conc: 24.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

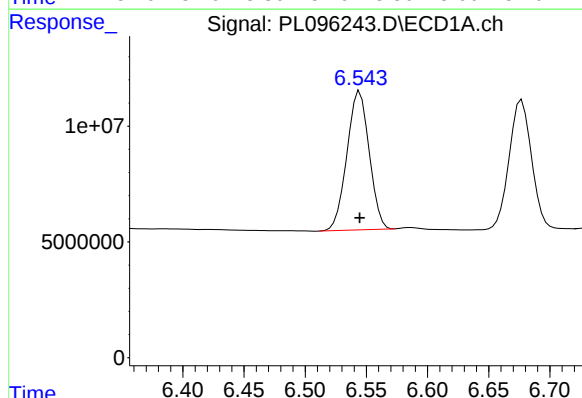
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



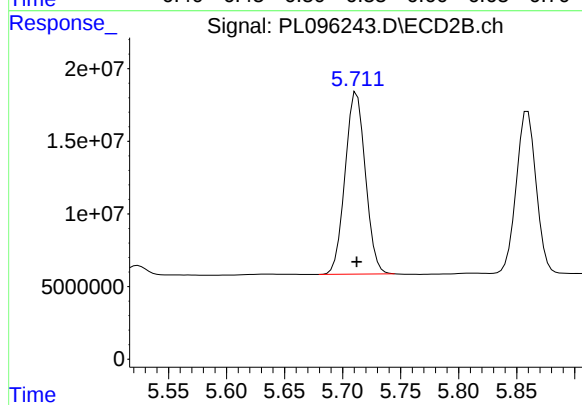
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 170622291
Conc: 24.94 ng/ml



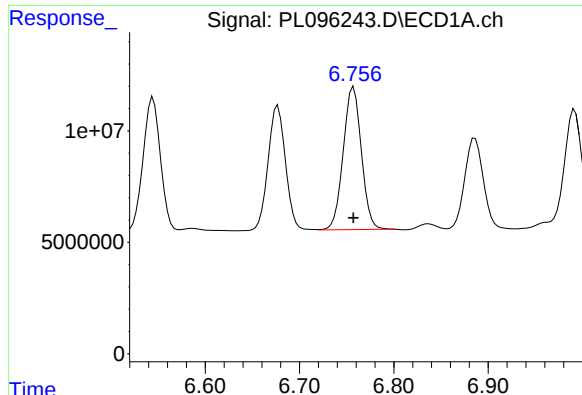
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 75881870
Conc: 24.16 ng/ml



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 152630829
Conc: 25.03 ng/ml



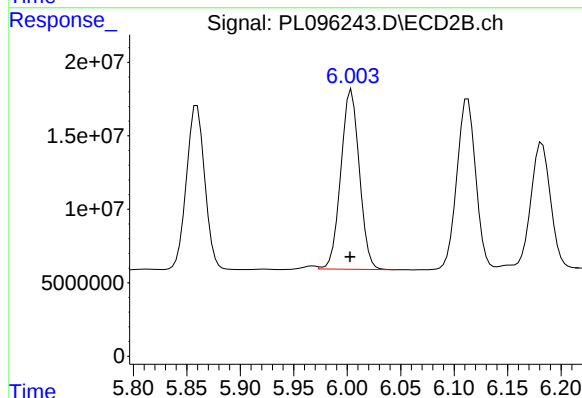
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 85668436
Conc: 25.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

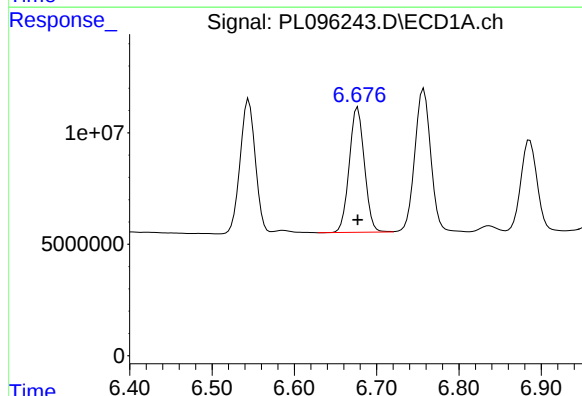
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



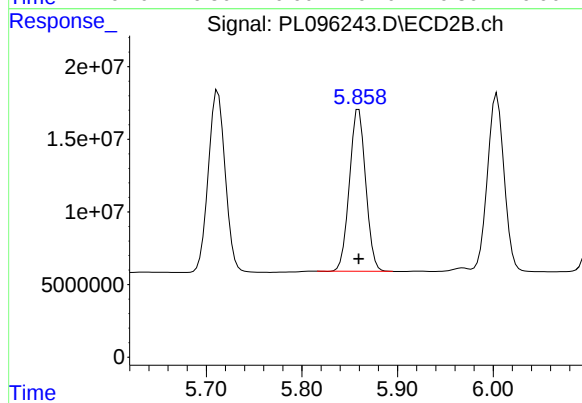
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 147444785
Conc: 25.40 ng/ml m



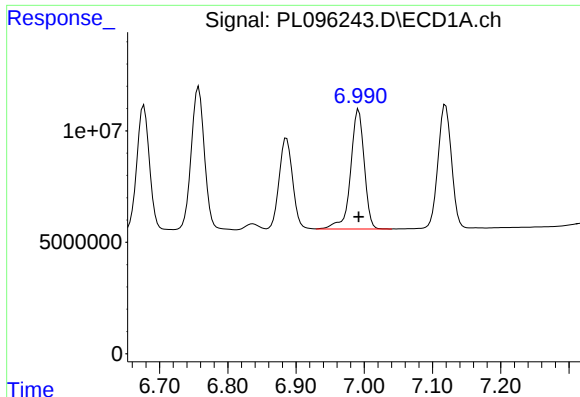
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 71650668
Conc: 24.60 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 132181861
Conc: 25.19 ng/ml



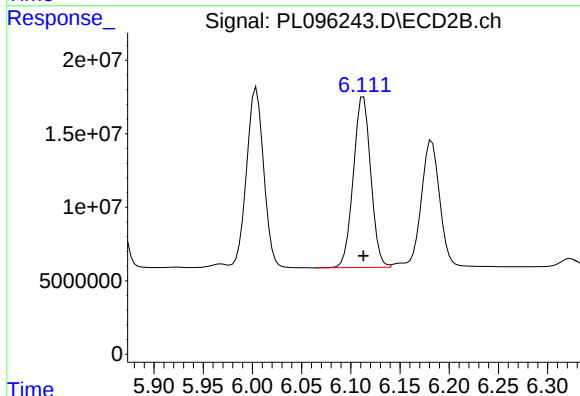
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 74288680
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

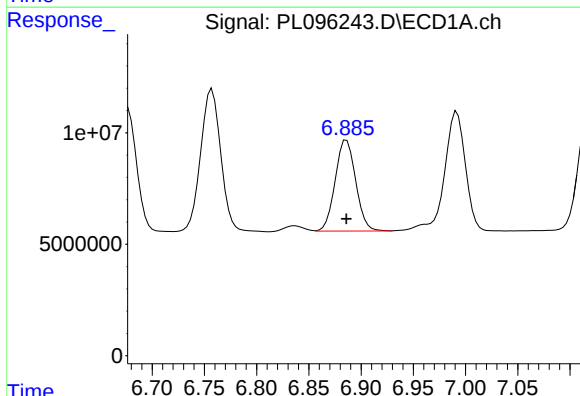
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



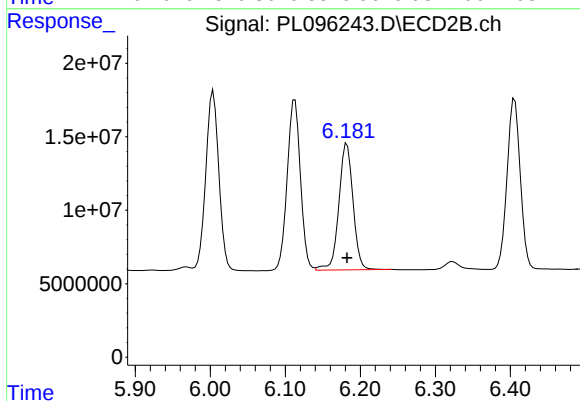
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 143037007
Conc: 24.75 ng/ml



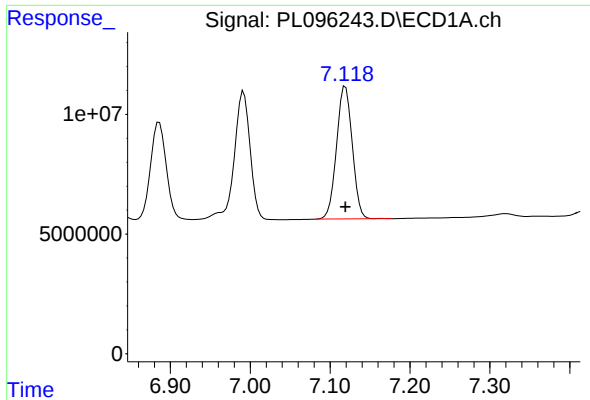
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 55834732
Conc: 25.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 113086713
Conc: 26.64 ng/ml



#19 Endosulfan Sulfate

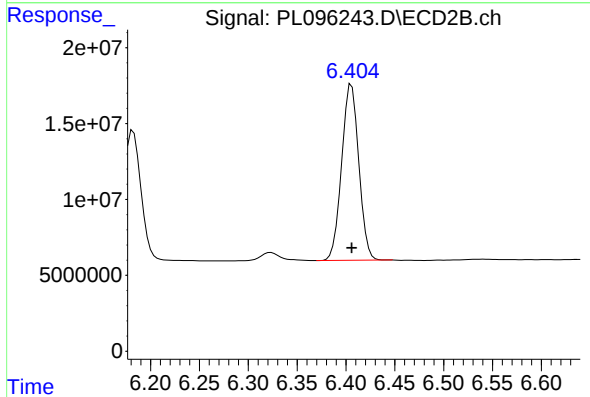
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 75807591
Conc: 24.84 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

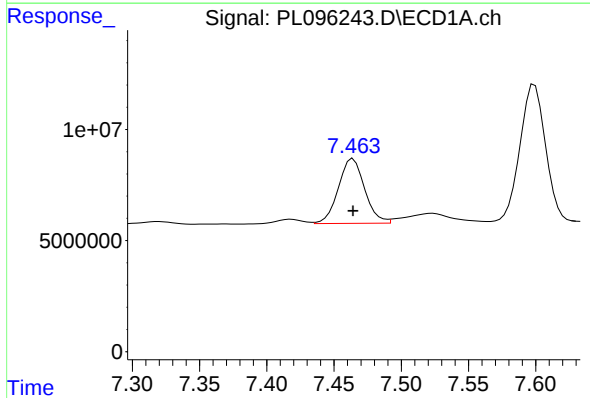
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



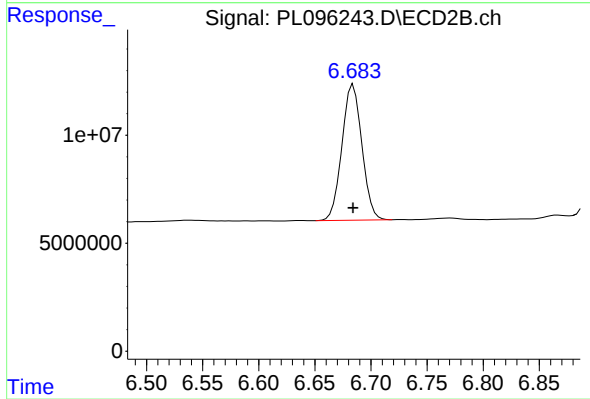
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 141876171
Conc: 25.51 ng/ml



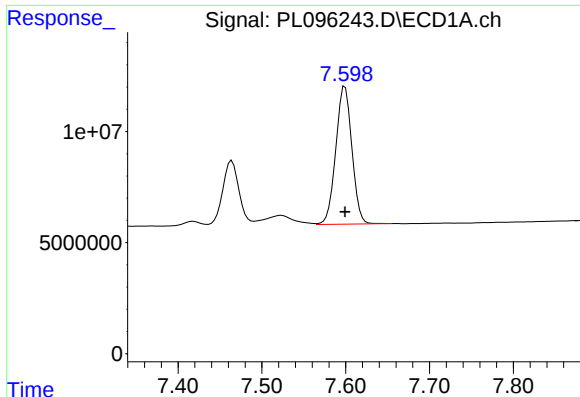
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 39522332
Conc: 25.77 ng/ml



#20 Methoxychlor

R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 77835403
Conc: 25.98 ng/ml



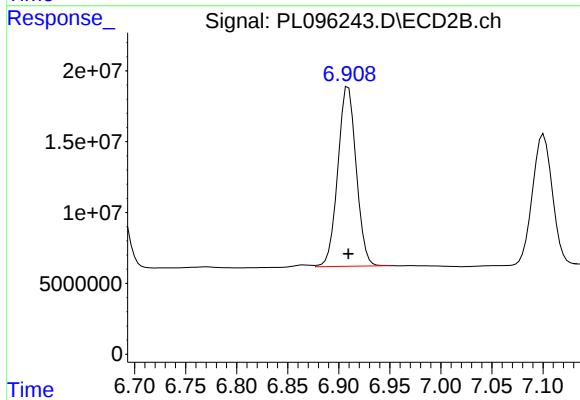
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 82764438
Conc: 25.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

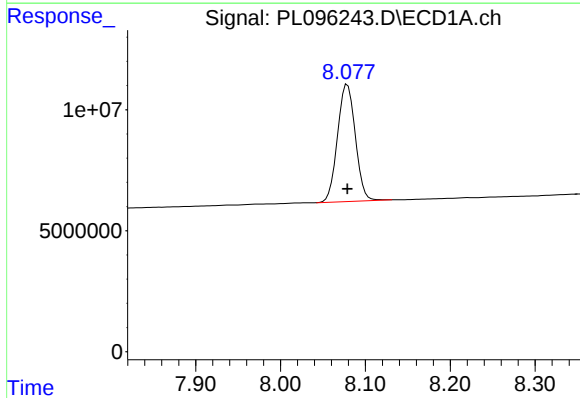
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



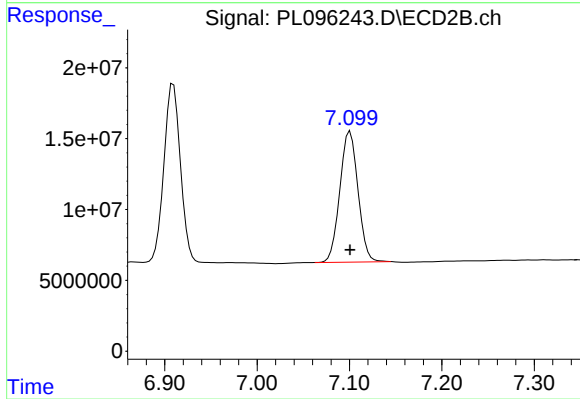
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 158785412
Conc: 25.65 ng/ml



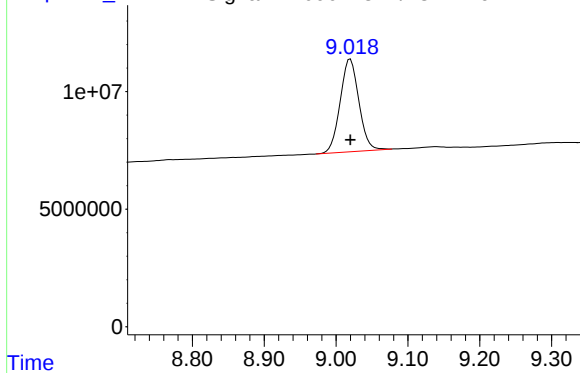
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 70613541
Conc: 25.85 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 126125125
Conc: 26.19 ng/ml



R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 71001314
Conc: 25.90 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

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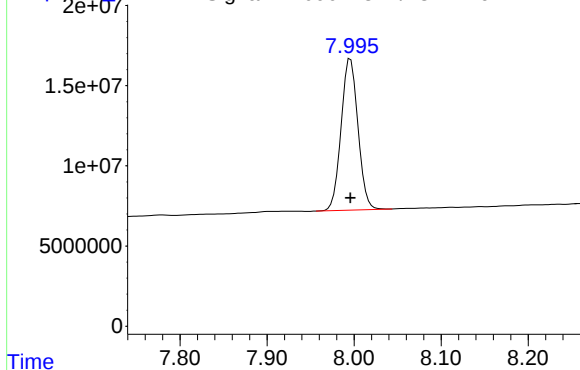
Supervised By :mohammad ahmed 07/09/2025

Time

Response

Signal: PL096243.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 127127393
Conc: 26.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096244.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:49
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
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Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:00:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.828	19025537	29948633	5.214	5.189
28) SA Decachlor...	9.020	7.997	15503442	27603399	5.511	5.536
Target Compounds						
2) A alpha-BHC	3.984	3.334	23234160	39797350	4.518	4.718
3) MA gamma-BHC...	4.313	3.667	24037524	38230859	4.827	4.854
4) MA Heptachlor	4.905	4.016	24009255	38216999	5.241	5.023
5) MB Aldrin	5.246	4.299	23850765	35971559	4.934	4.931
6) B beta-BHC	4.499	3.963	11025016	18322787	5.304	5.351
7) B delta-BHC	4.745	4.196	21146545	36946663	4.719	4.797
8) B Heptachlo...	5.665	4.800	18852553	34843882	4.544	5.204m
9) A Endosulfan I	6.047	5.172	21120955	47626389	5.232	6.492m
10) B gamma-Chl...	5.919	5.054	22271617	35604780	5.033	5.072
11) B alpha-Chl...	6.000	5.119	22538956	45965555	5.147	6.112
12) B 4,4'-DDE	6.170	5.306	18320455	31070174	4.941	4.817m
13) MA Dieldrin	6.319	5.436	20962161	33636509	4.957	4.897m
14) MA Endrin	6.545	5.711	14943290	30446035	4.805	5.000m
15) B Endosulfa...	6.757	6.003	19106695	30567103	5.506	5.221m
16) A 4,4'-DDD	6.677	5.859	14539958	23257862	4.994	4.535
17) MA 4,4'-DDT	6.992	6.113	15148387	27808893	4.991	4.849
18) B Endrin al...	6.886	6.181	11735349	26462538	5.249	5.937m
19) B Endosulfa...	7.120	6.406	15445201	29371565	5.049	5.222
20) A Methoxychlor	7.465	6.685	8712032	16026571	5.530	5.276
21) B Endrin ke...	7.599	6.909	16421079	32509263	4.974	5.202m
22) Mirex	8.079	7.101	14920931	27895605	5.363	5.615

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

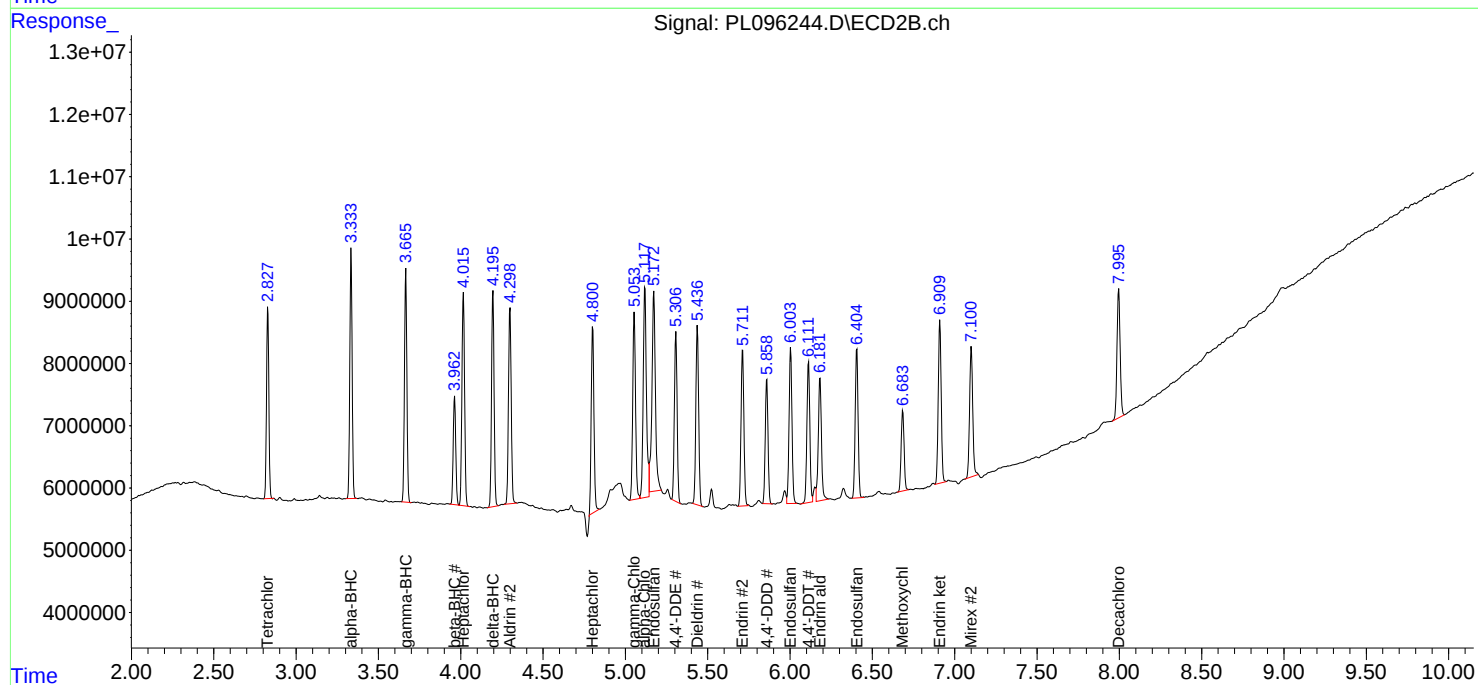
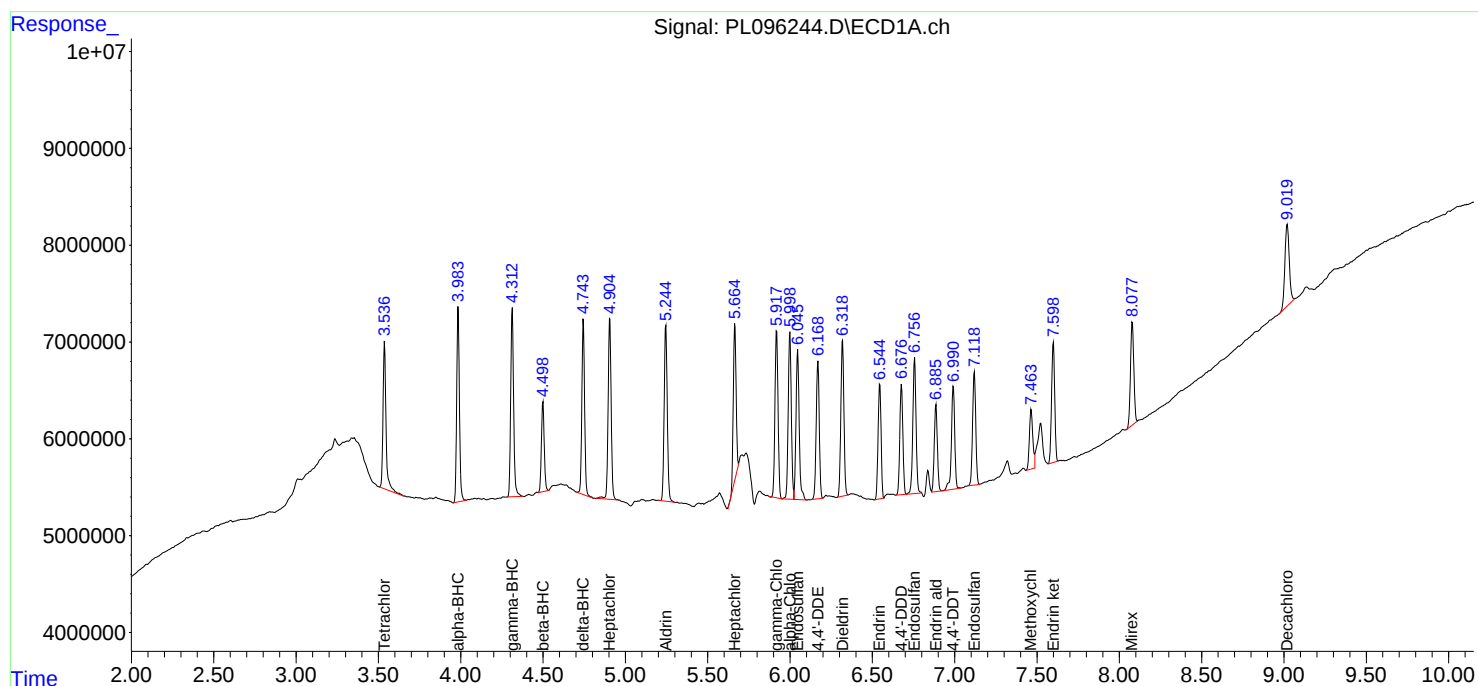
APPROVED

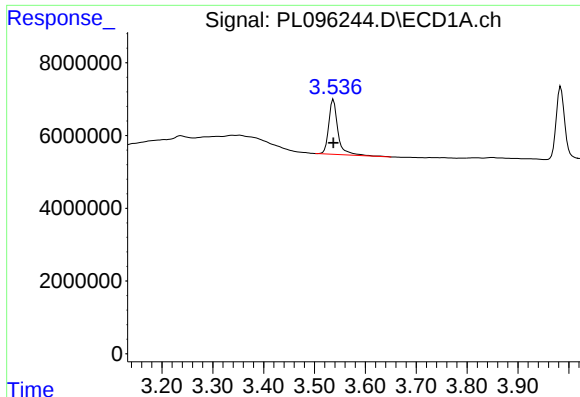
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

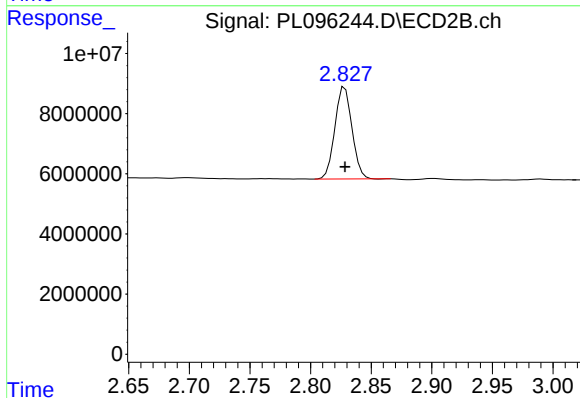
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 19025537
Conc: 5.21 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

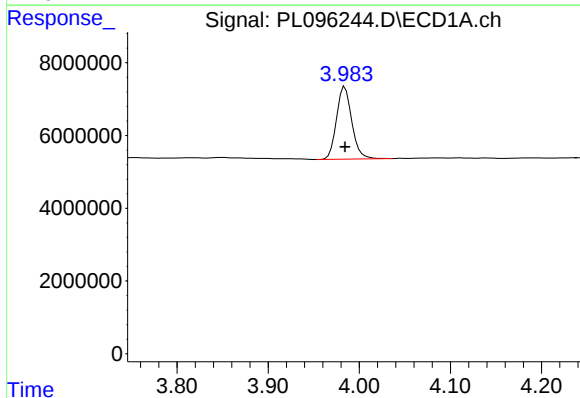
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



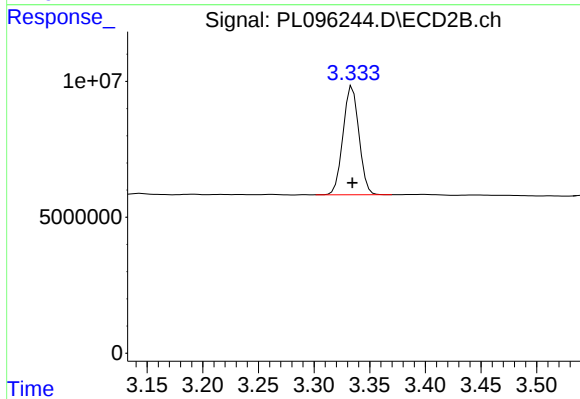
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 29948633
Conc: 5.19 ng/ml



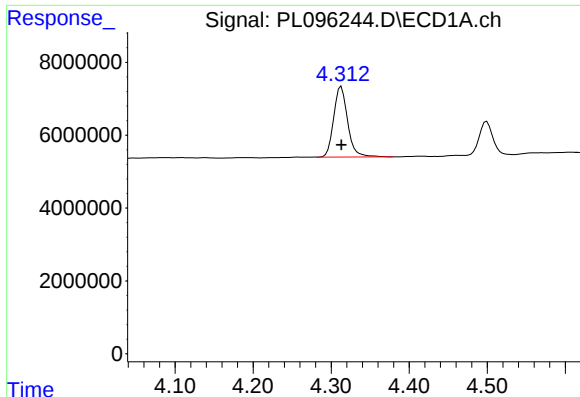
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 23234160
Conc: 4.52 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 39797350
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

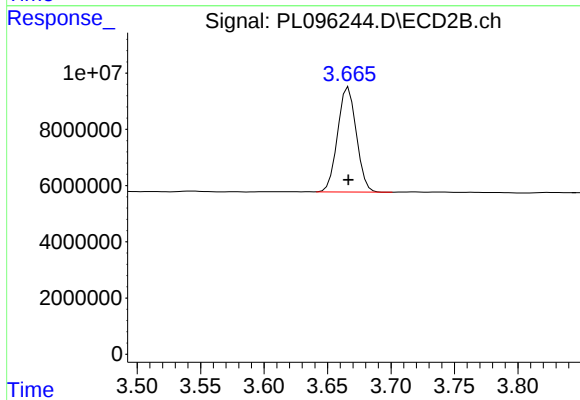
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 24037524
Conc: 4.83 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

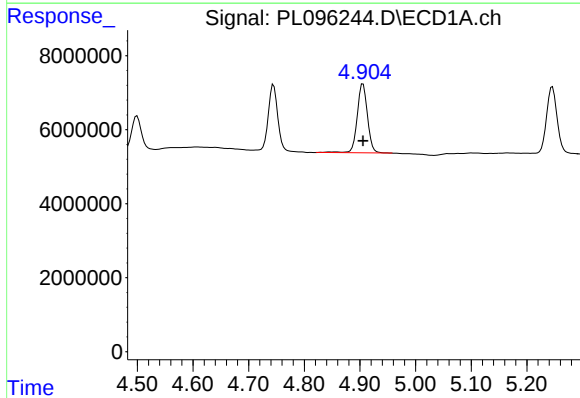
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



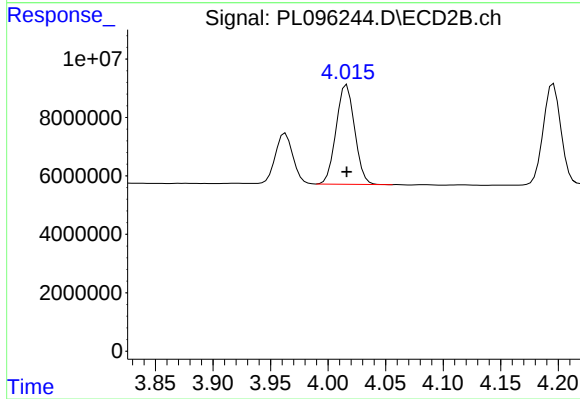
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 38230859
Conc: 4.85 ng/ml



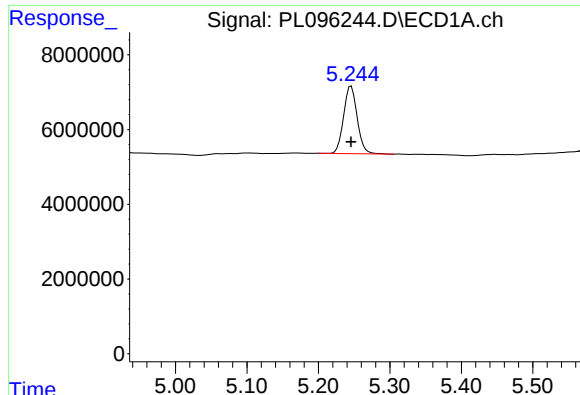
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 24009255
Conc: 5.24 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 38216999
Conc: 5.02 ng/ml



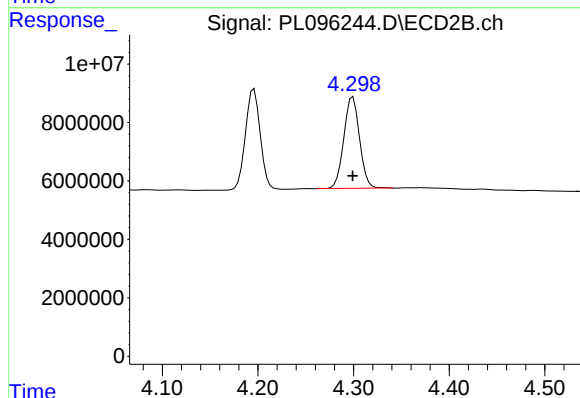
#5 Aldrin

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 23850765
Conc: 4.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

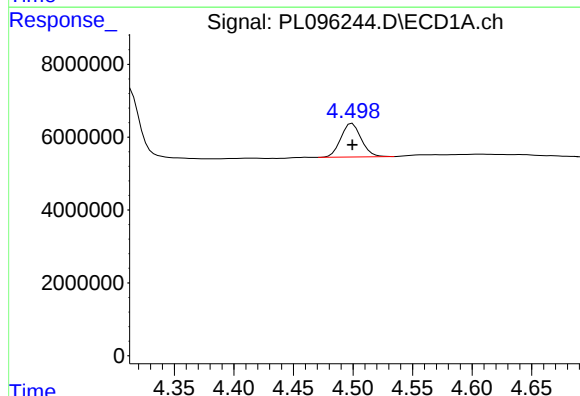
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



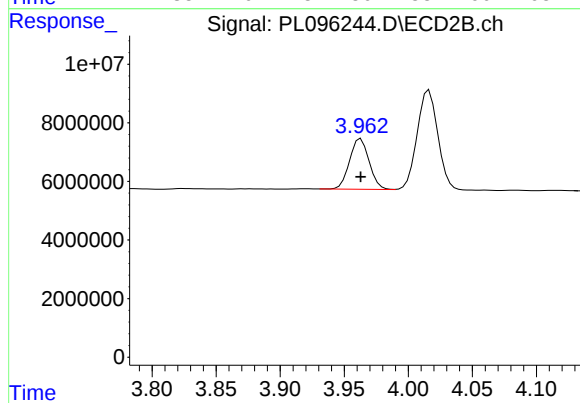
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 35971559
Conc: 4.93 ng/ml



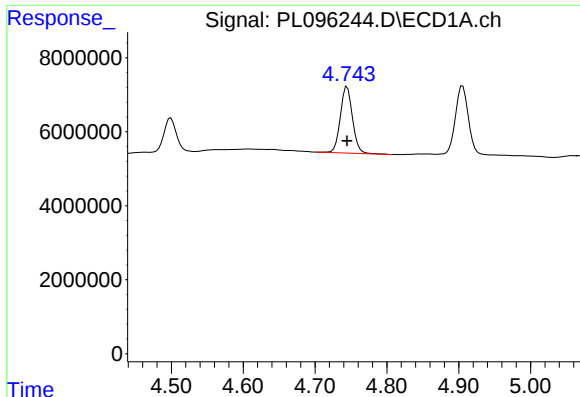
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 11025016
Conc: 5.30 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 18322787
Conc: 5.35 ng/ml



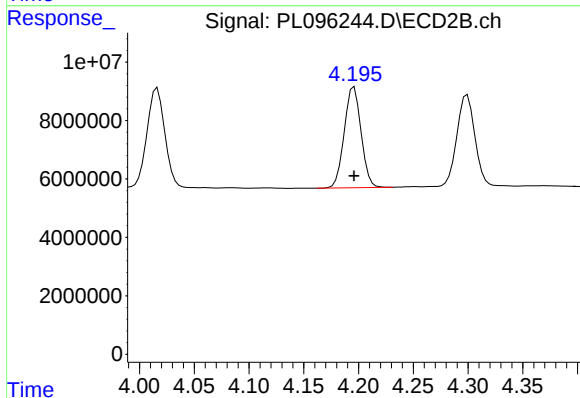
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 21146545
Conc: 4.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

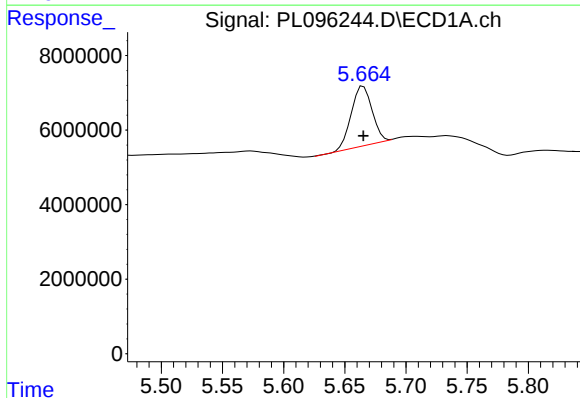
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



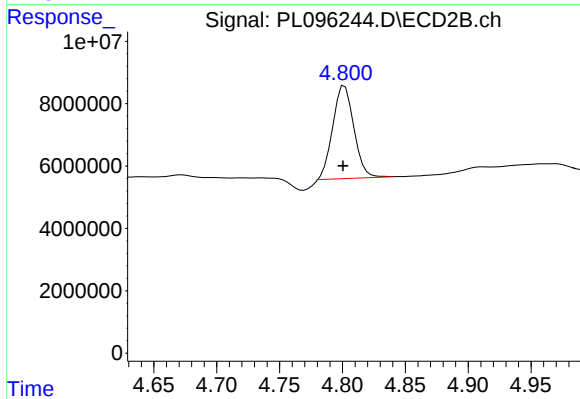
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 36946663
Conc: 4.80 ng/ml



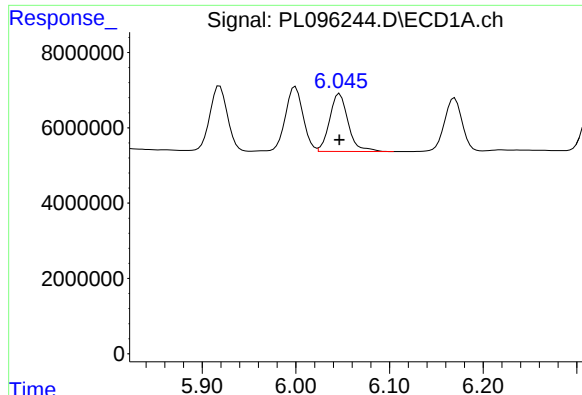
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 18852553
Conc: 4.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 34843882
Conc: 5.20 ng/ml m



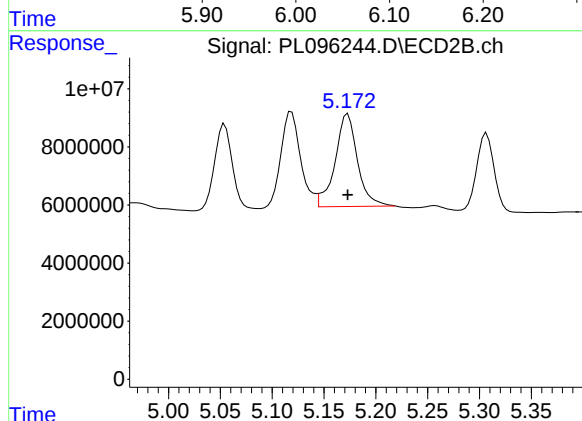
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 21120955
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

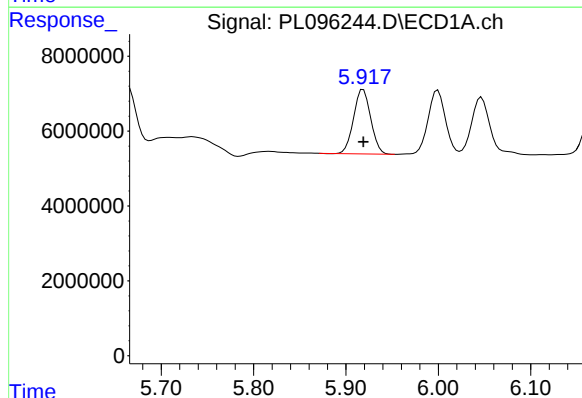
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



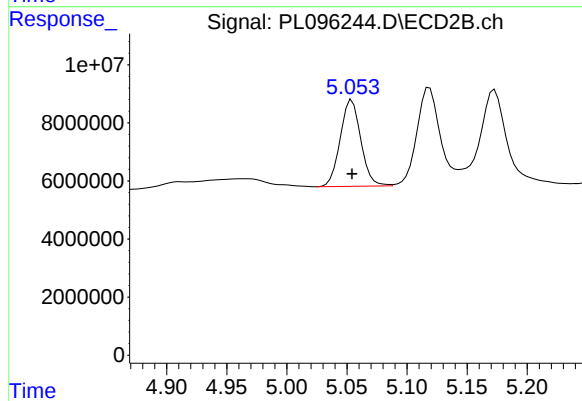
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: -0.001 min
Response: 47626389
Conc: 6.49 ng/ml m



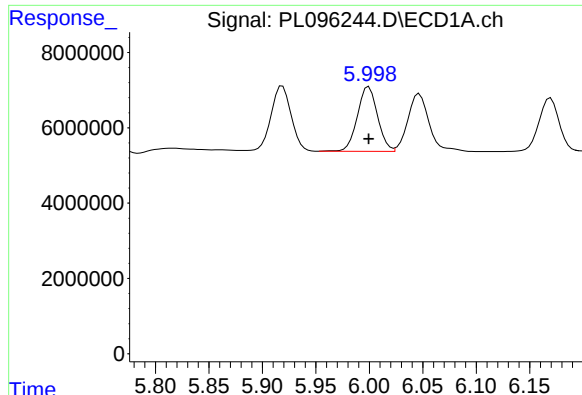
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 22271617
Conc: 5.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 35604780
Conc: 5.07 ng/ml



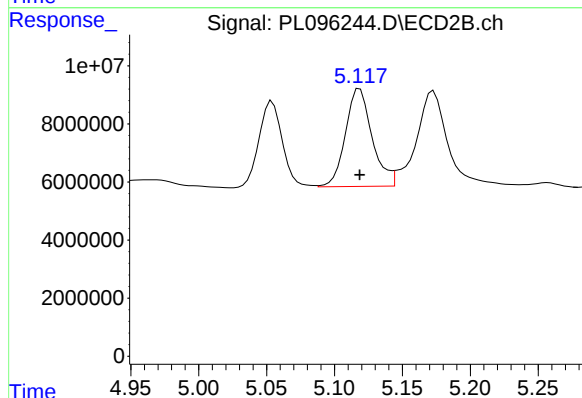
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 22538956
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

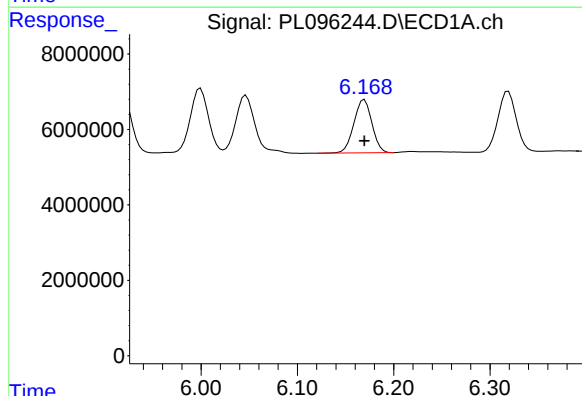
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



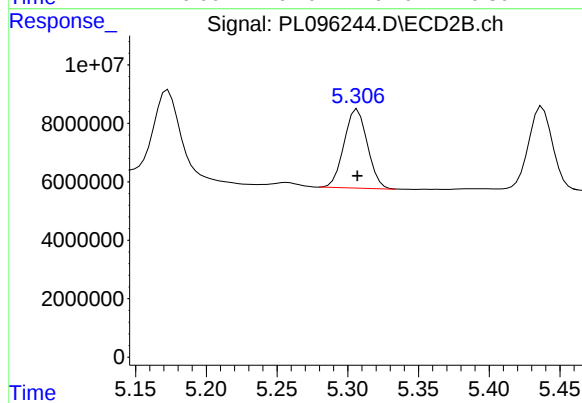
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 45965555
Conc: 6.11 ng/ml



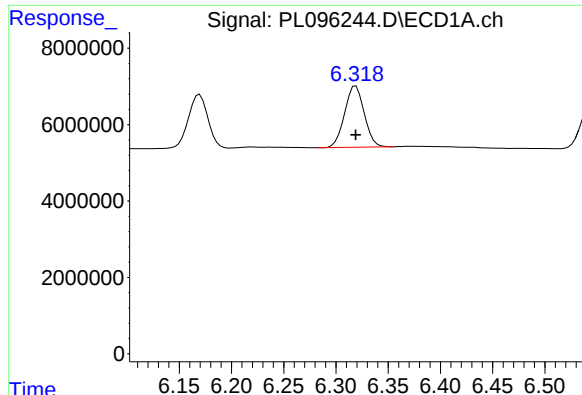
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 18320455
Conc: 4.94 ng/ml



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: -0.001 min
Response: 31070174
Conc: 4.82 ng/ml m



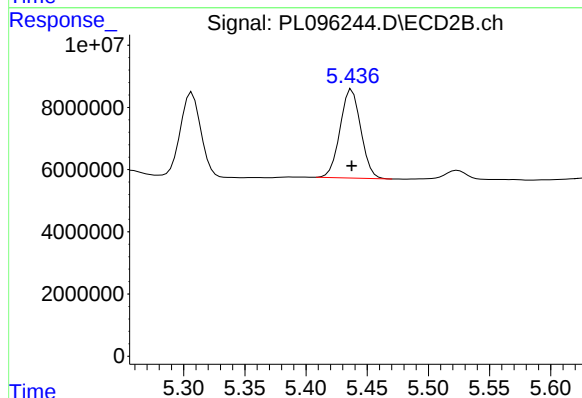
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 20962161
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

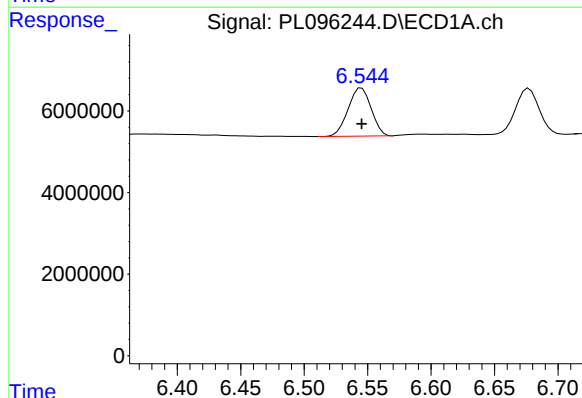
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



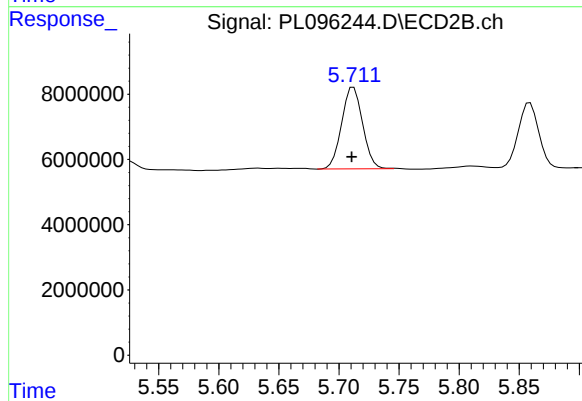
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: -0.001 min
Response: 33636509
Conc: 4.90 ng/ml m



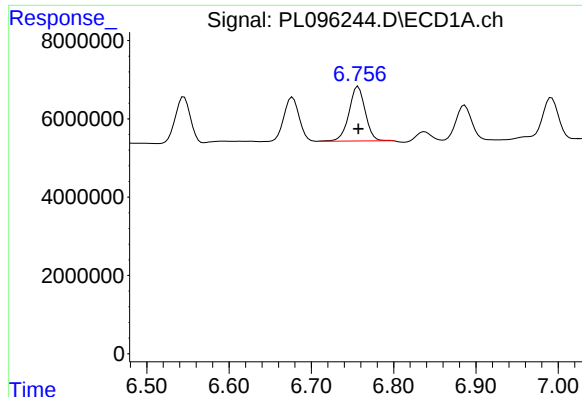
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 14943290
Conc: 4.80 ng/ml



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 30446035
Conc: 5.00 ng/ml m



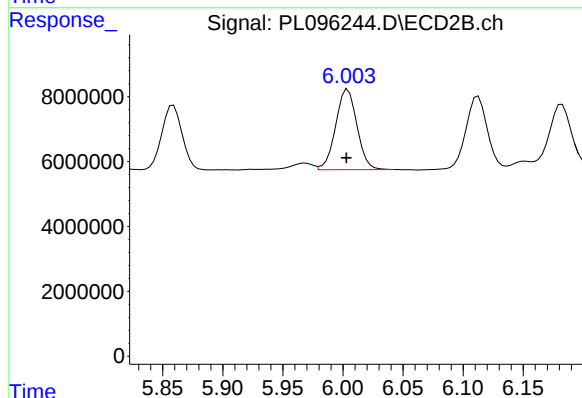
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 19106695
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

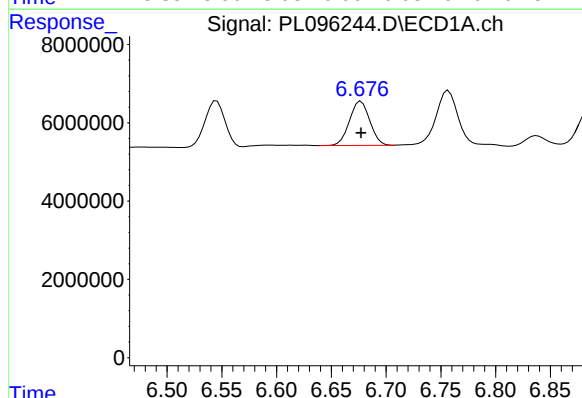
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



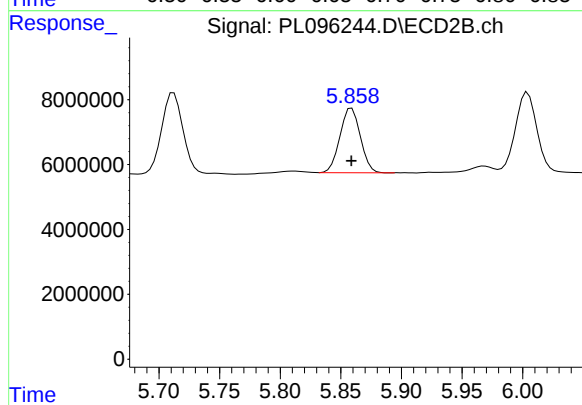
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 30567103
Conc: 5.22 ng/ml m



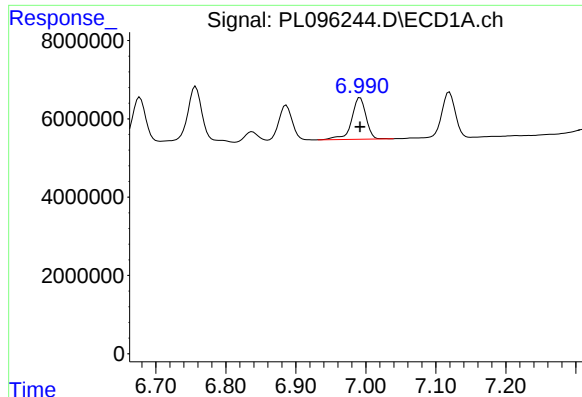
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 14539958
Conc: 4.99 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23257862
Conc: 4.53 ng/ml



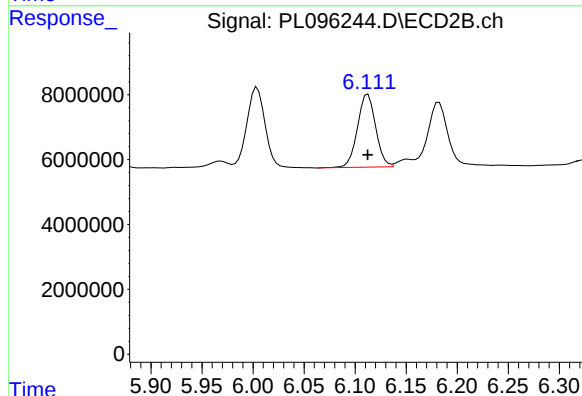
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 15148387
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

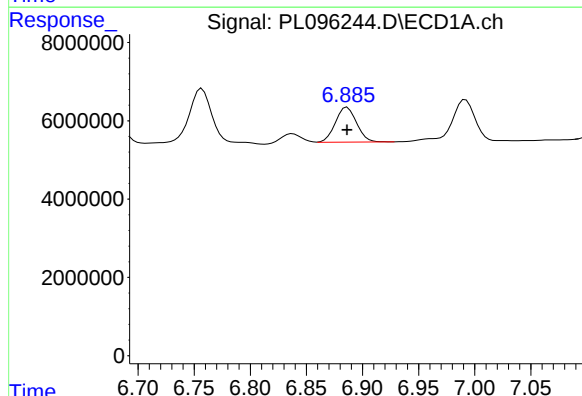
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



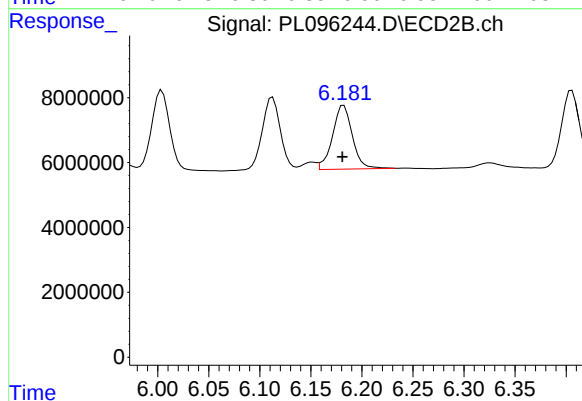
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 27808893
Conc: 4.85 ng/ml



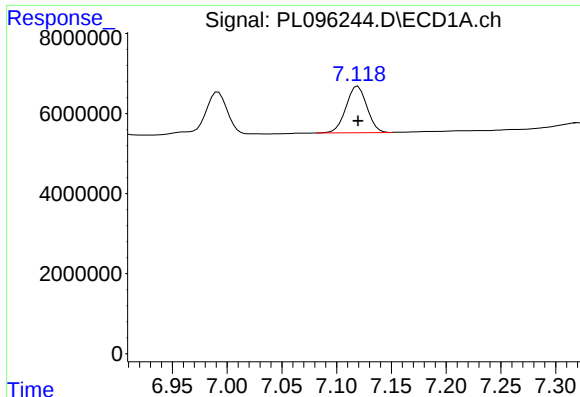
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 11735349
Conc: 5.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 26462538
Conc: 5.94 ng/ml m



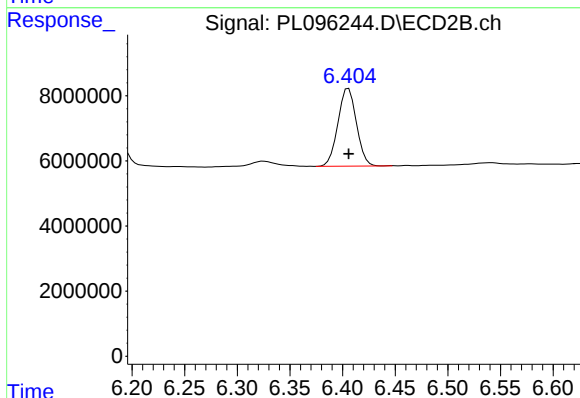
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 15445201
Conc: 5.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

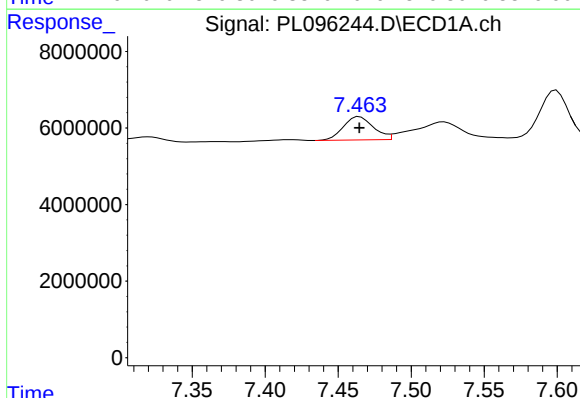
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



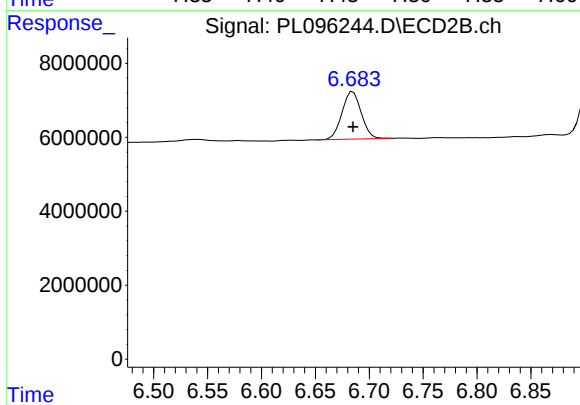
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 29371565
Conc: 5.22 ng/ml



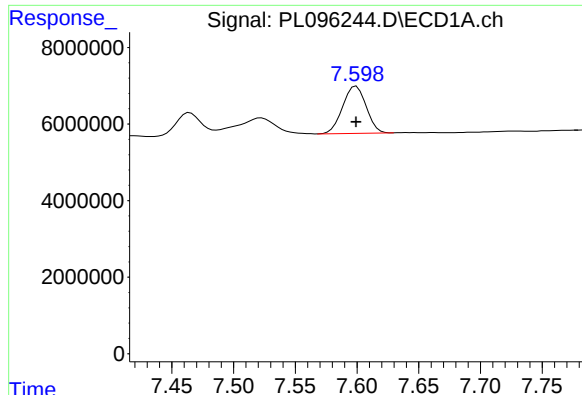
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 8712032
Conc: 5.53 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 16026571
Conc: 5.28 ng/ml



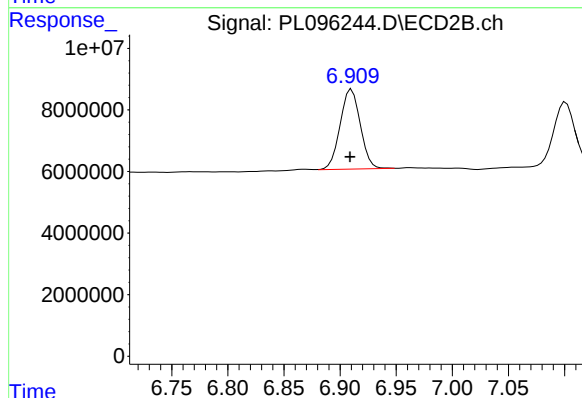
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 16421079
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

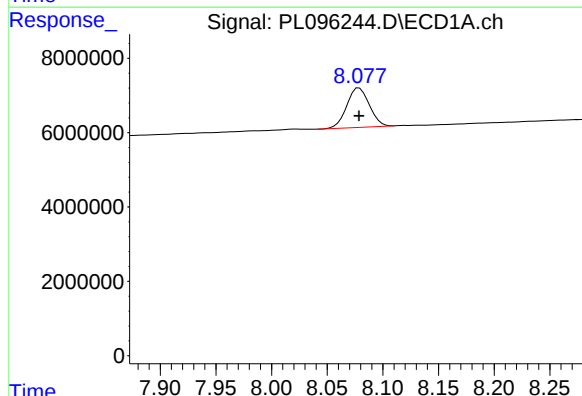
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



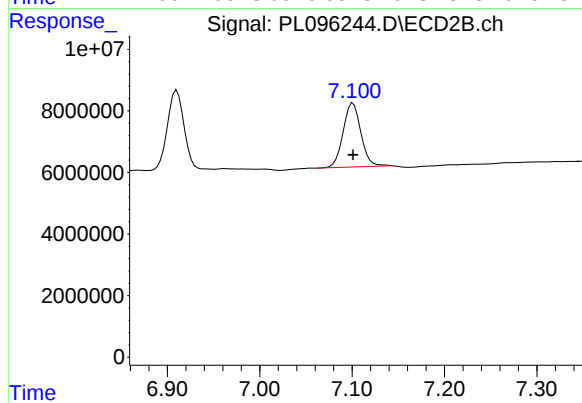
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 32509263
Conc: 5.20 ng/ml m



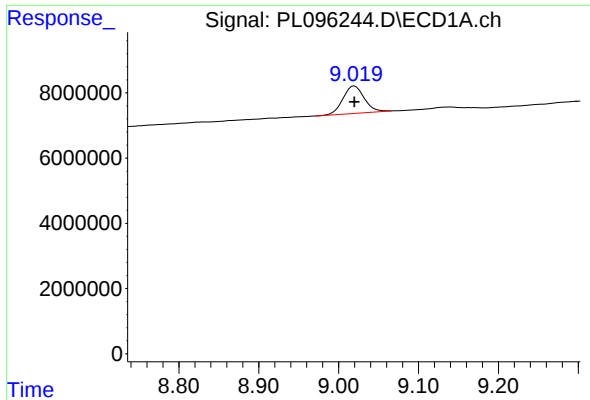
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 14920931
Conc: 5.36 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 27895605
Conc: 5.61 ng/ml



#28 Decachlorobiphenyl

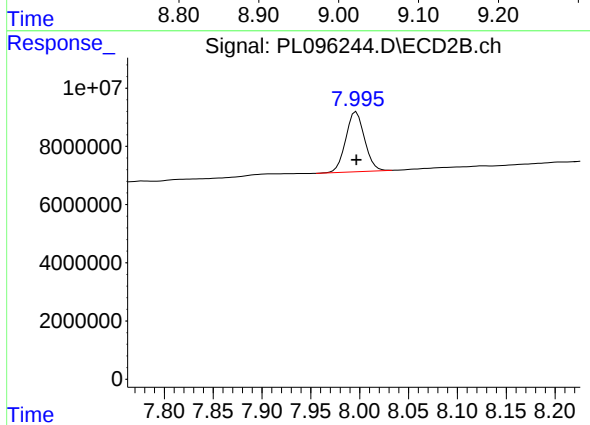
ICAL Form

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 15503442
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 27603399
Conc: 5.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 12:30
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:08:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:08:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	171.6E6	355.1E6	50.000	50.000
28)	SA Decachlor...	9.019	7.996	132.7E6	239.1E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.693	3.841	88704924	117.7E6	500.000	500.000
24)	Chlordane-2	5.217	4.420	95284319	136.1E6	500.000	500.000
25)	Chlordane-3	5.920	5.055	369.2E6	398.6E6	500.000	500.000
26)	Chlordane-4	6.004	5.118	448.0E6	362.9E6	500.000	500.000
27)	Chlordane-5	6.841	6.013	71924209	141.5E6	500.000	500.000

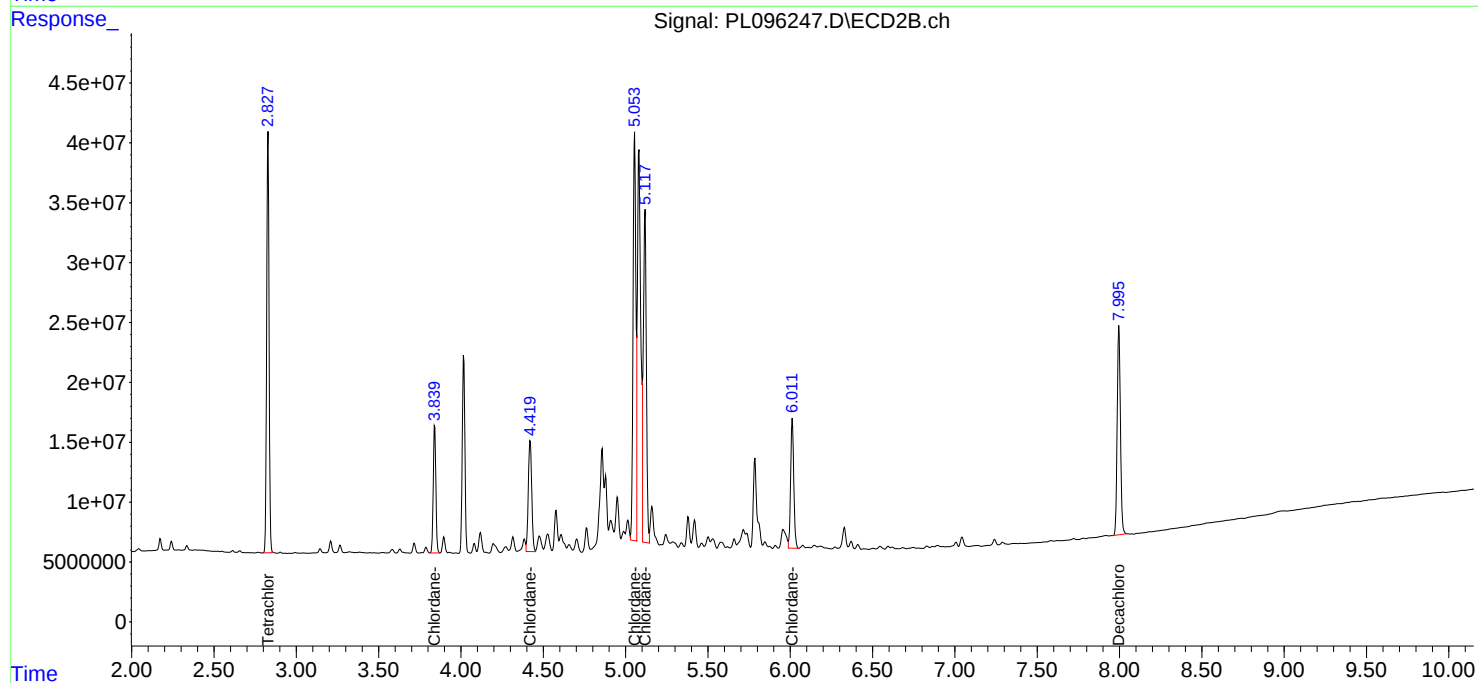
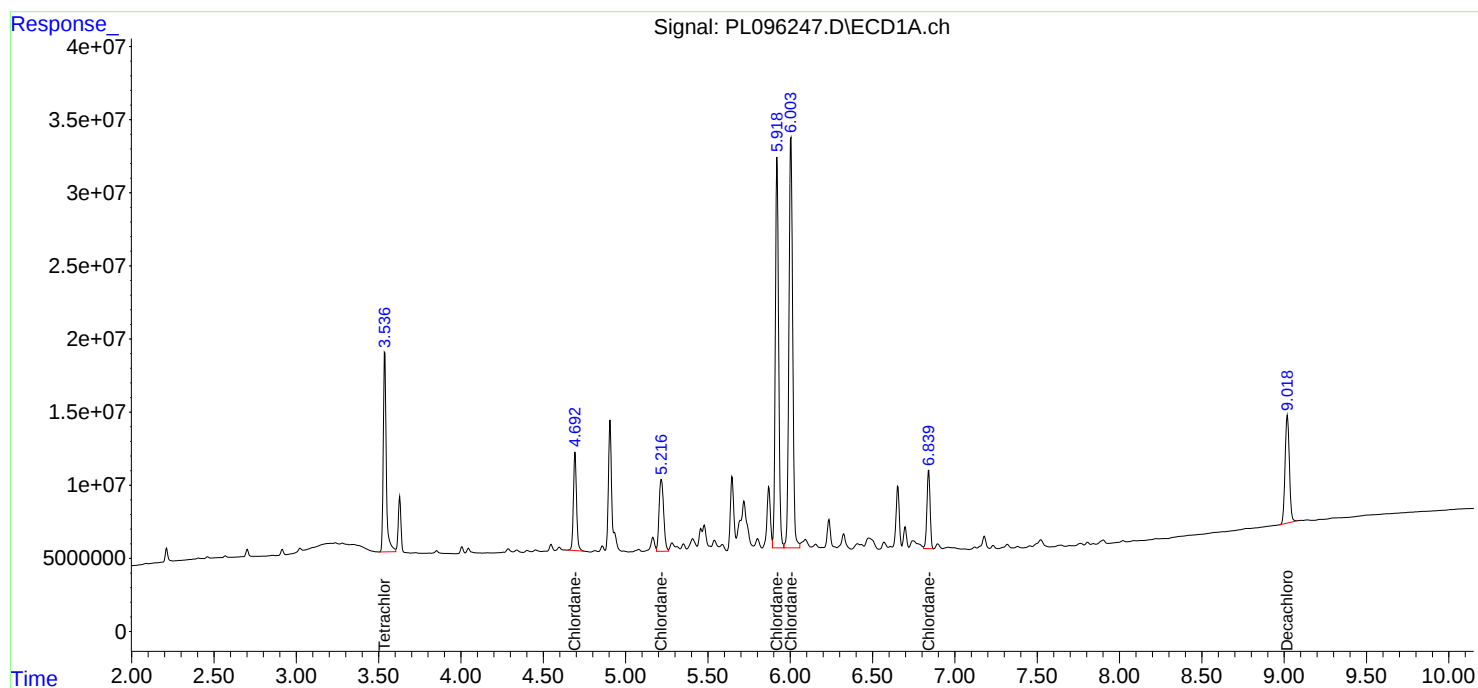
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

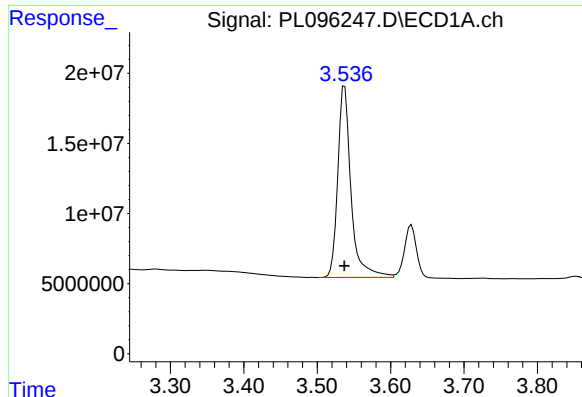
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:08:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:08:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

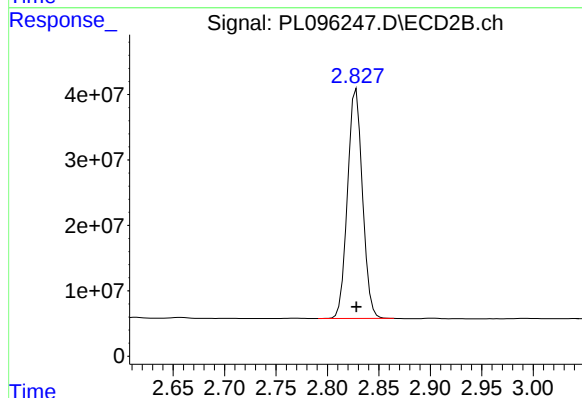




#1 Tetrachloro-m-xylene

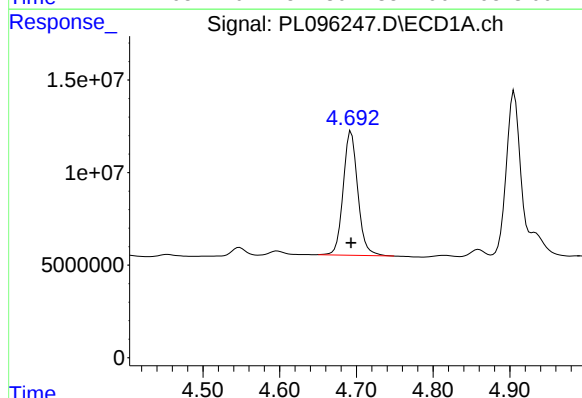
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 171642137
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



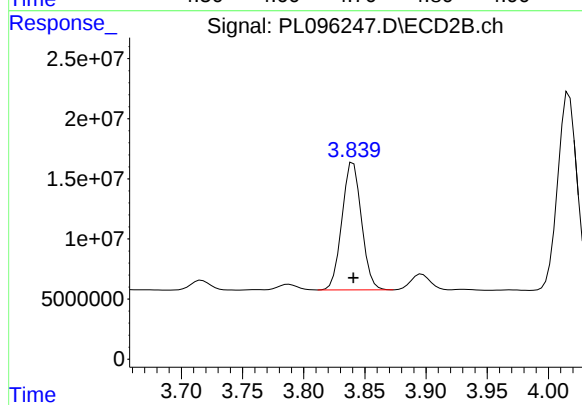
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 355075037
Conc: 50.00 ng/ml



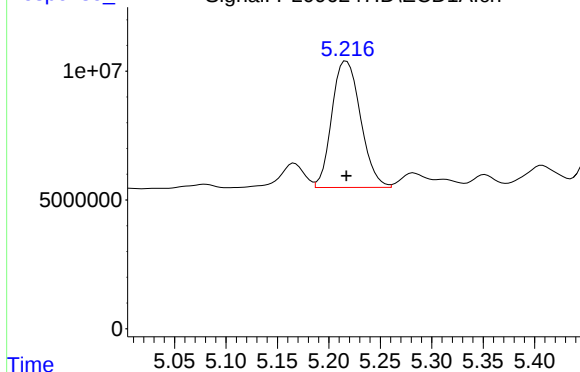
#23 Chlordane-1

R.T.: 4.693 min
Delta R.T.: 0.000 min
Response: 88704924
Conc: 500.00 ng/ml



#23 Chlordane-1

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 117738541
Conc: 500.00 ng/ml



R.T.: 5.217 min
Delta R.T.: 0.000 min
Response: 95284319
Conc: 500.00 ng/ml

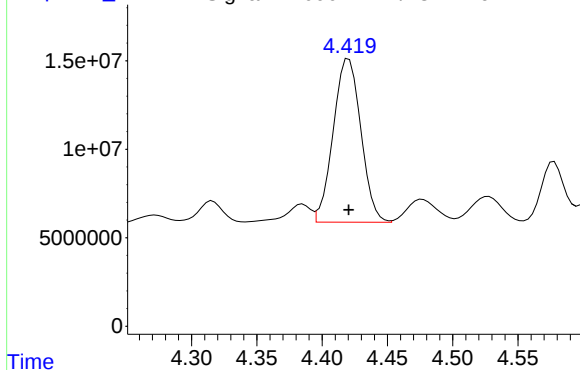
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL096247.D\ECD2B.ch

#24 Chlordane-2



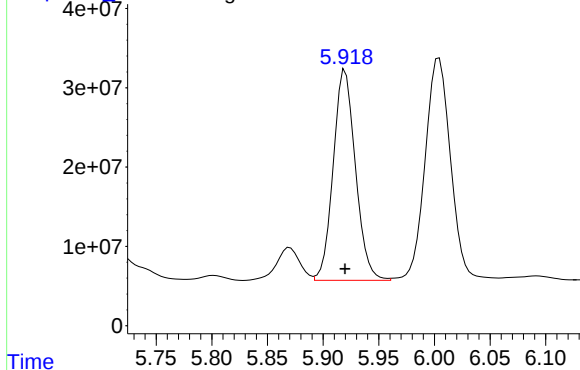
R.T.: 4.420 min
Delta R.T.: 0.000 min
Response: 136085748
Conc: 500.00 ng/ml

Time

Response_

Signal: PL096247.D\ECD1A.ch

#25 Chlordane-3



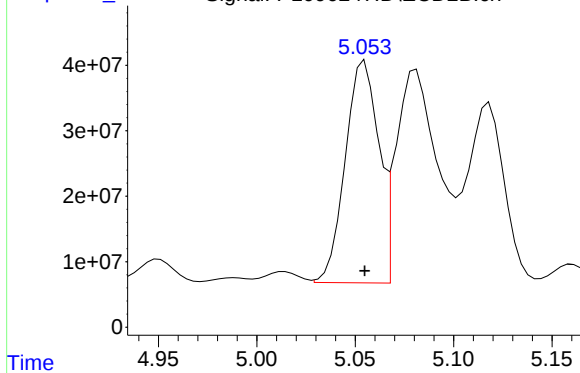
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 369220532
Conc: 500.00 ng/ml

Time

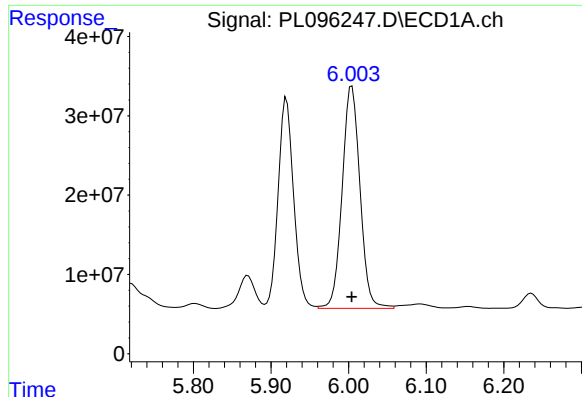
Response_

Signal: PL096247.D\ECD2B.ch

#25 Chlordane-3



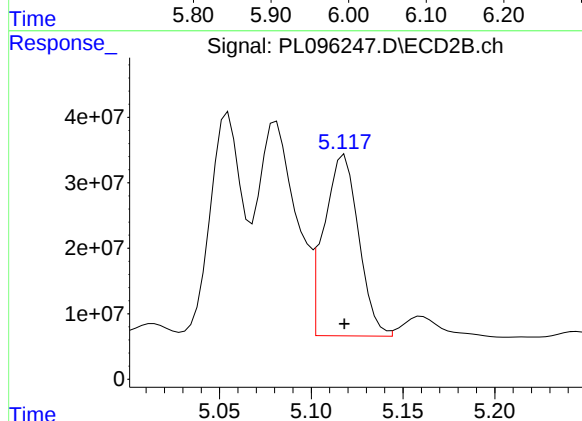
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 398637596
Conc: 500.00 ng/ml



#26 Chlordane-4

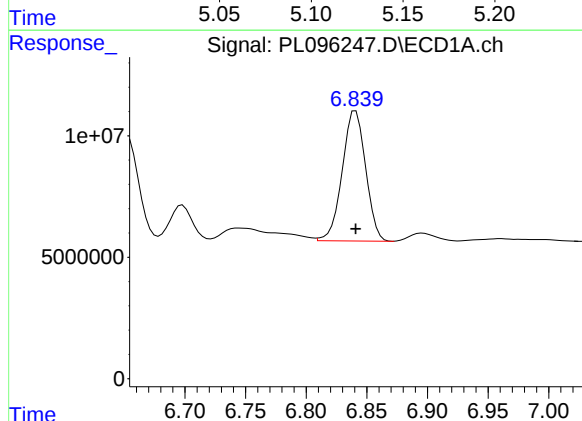
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 447993243
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



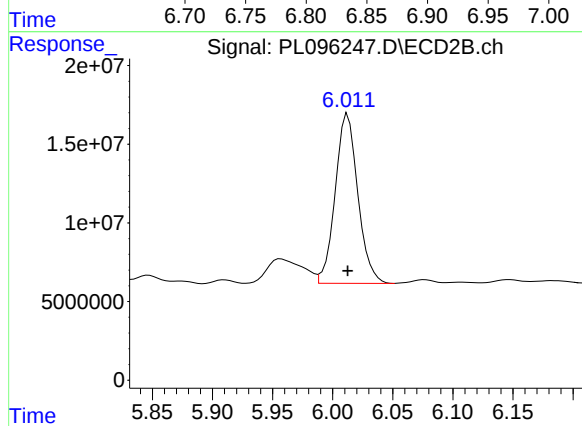
#26 Chlordane-4

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 362887002
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 71924209
Conc: 500.00 ng/ml



#27 Chlordane-5

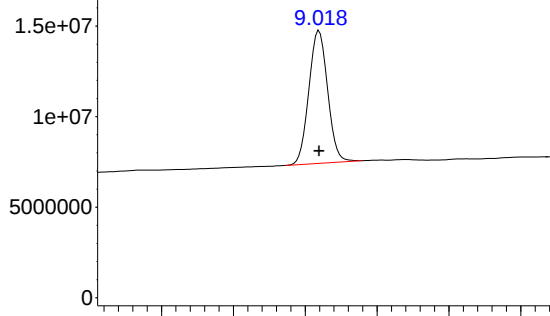
R.T.: 6.013 min
Delta R.T.: 0.000 min
Response: 141479033
Conc: 500.00 ng/ml

Response_

Signal: PL096247.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 132747864
Conc: 50.00 ng/ml

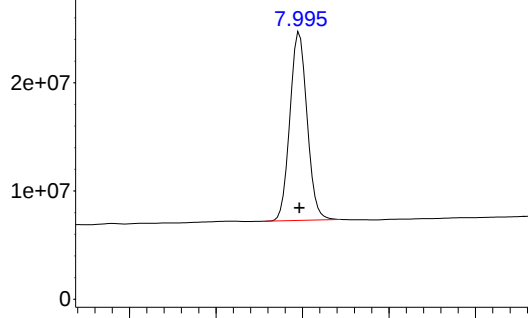
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL096247.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 239141492
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096252.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 13:39
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 14:57:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:57:35 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	188.7E6	298.9E6	50.000	50.000
7)	SA Decachlor...	9.020	7.997	144.9E6	263.3E6	50.000	50.000
Target Compounds							
2)	Toxaphene-1	6.215	5.077	15012733	18353677	500.000	500.000
3)	Toxaphene-2	6.614	5.763	13059638	25924116	500.000	500.000
4)	Toxaphene-3	7.027	6.043	60047575	25708745	500.000	500.000
5)	Toxaphene-4	7.117	6.678	42985480	83206906	500.000	500.000
6)	Toxaphene-5	7.896	7.118	30902169	50709284	500.000	500.000

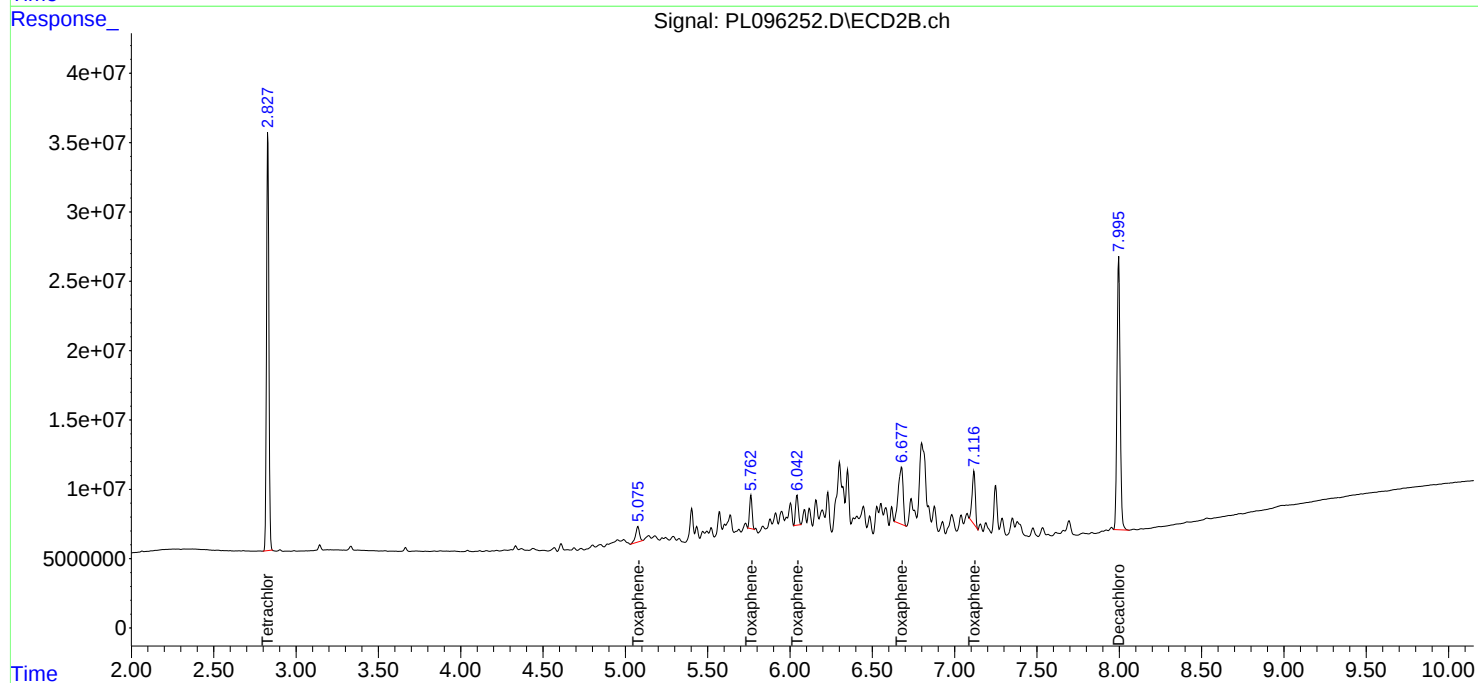
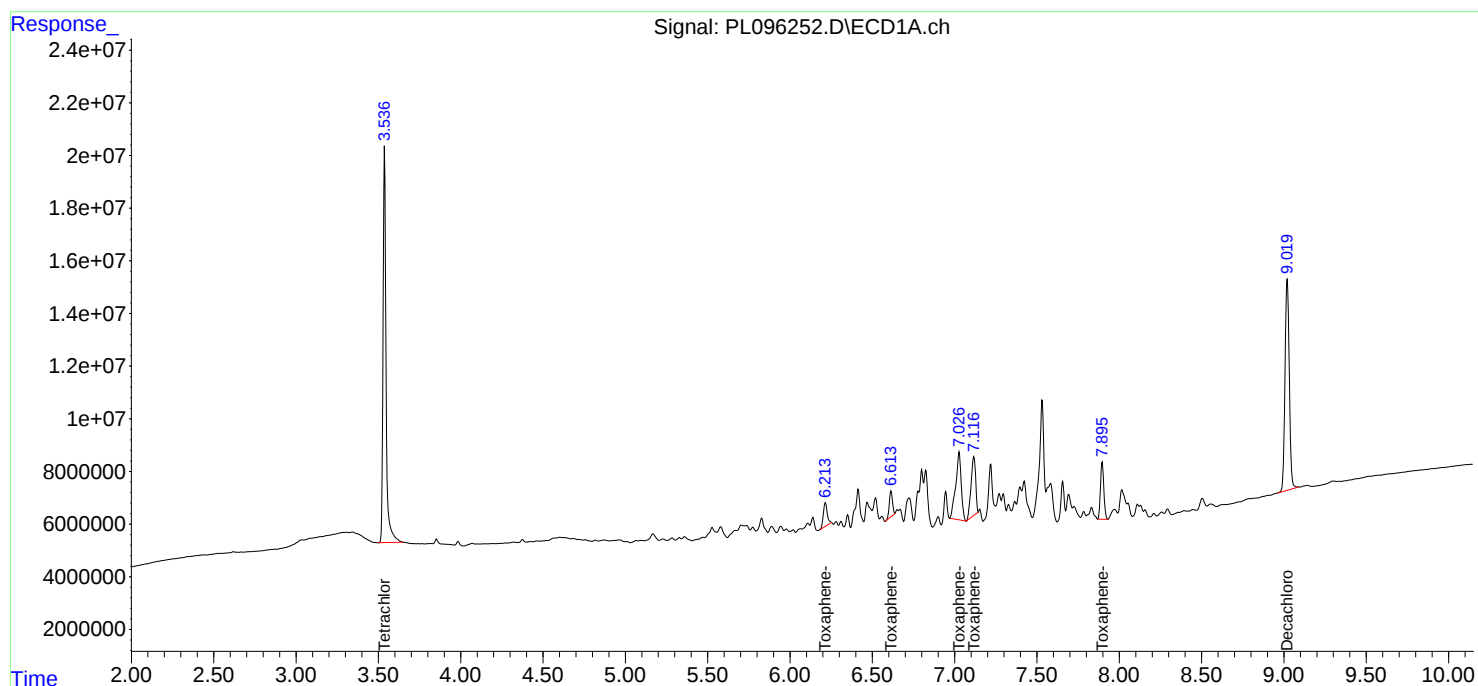
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

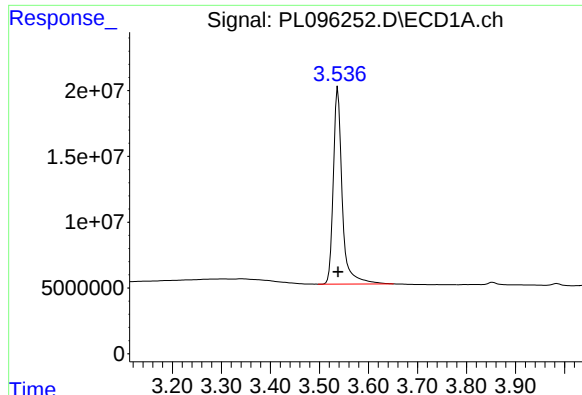
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:57:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:57:35 2025
Response via : Initial Calibration
Integrator: ChemStation

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

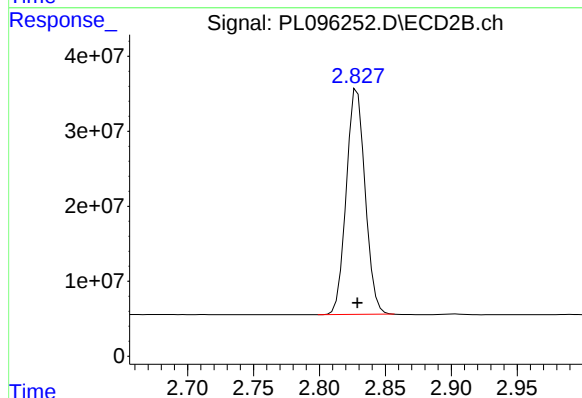




#1 Tetrachloro-m-xylene

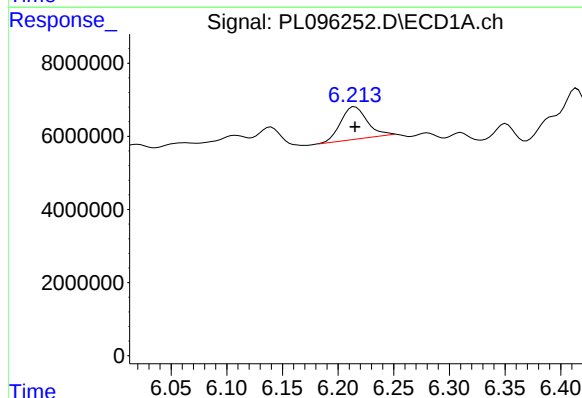
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 188746411
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



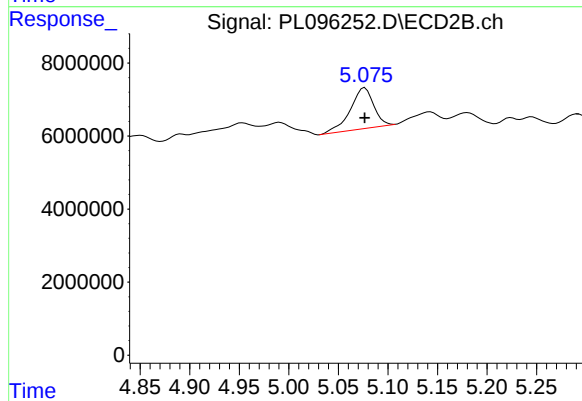
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 298914826
Conc: 50.00 ng/ml



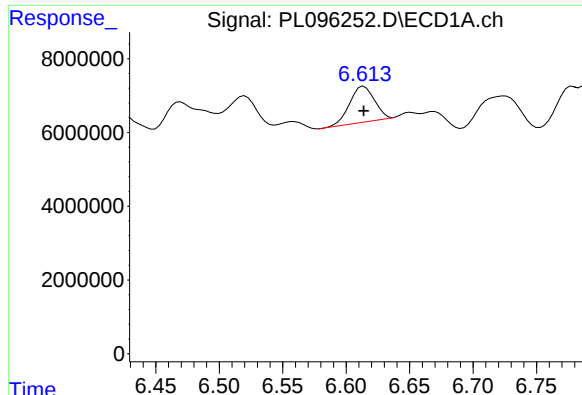
#2 Toxaphene-1

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 15012733
Conc: 500.00 ng/ml



#2 Toxaphene-1

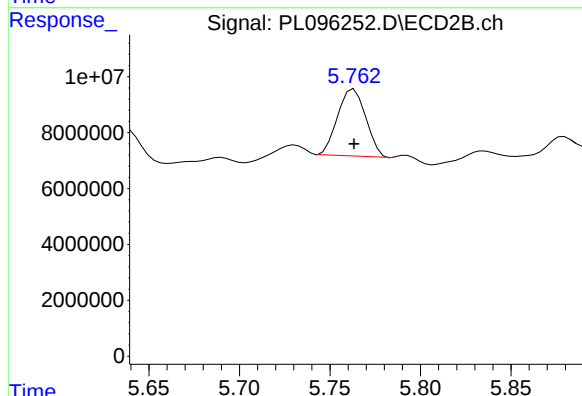
R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 18353677
Conc: 500.00 ng/ml



#3 Toxaphene-2

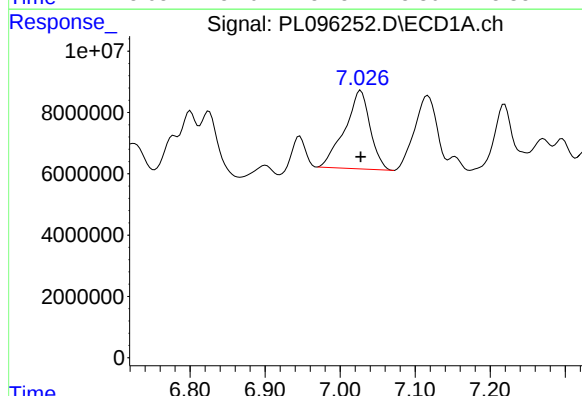
R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 13059638
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



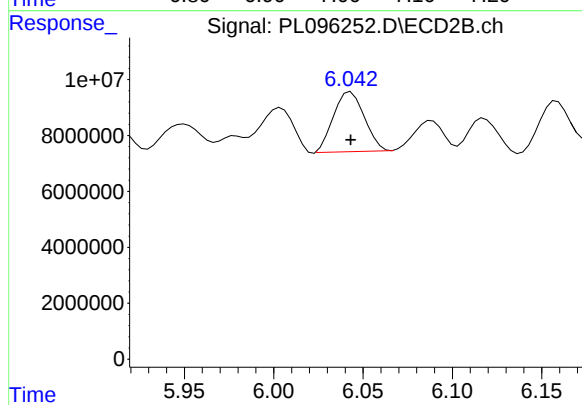
#3 Toxaphene-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 25924116
Conc: 500.00 ng/ml



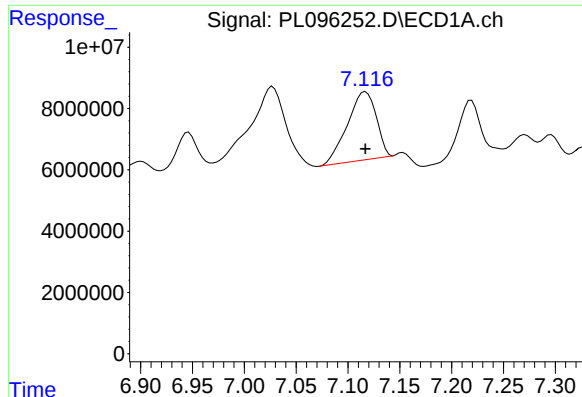
#4 Toxaphene-3

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 60047575
Conc: 500.00 ng/ml



#4 Toxaphene-3

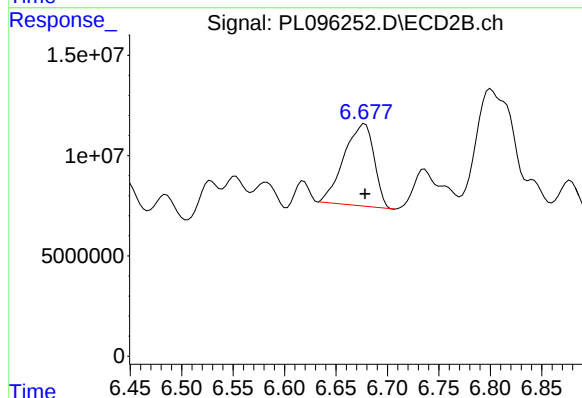
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 25708745
Conc: 500.00 ng/ml



#5 Toxaphene-4

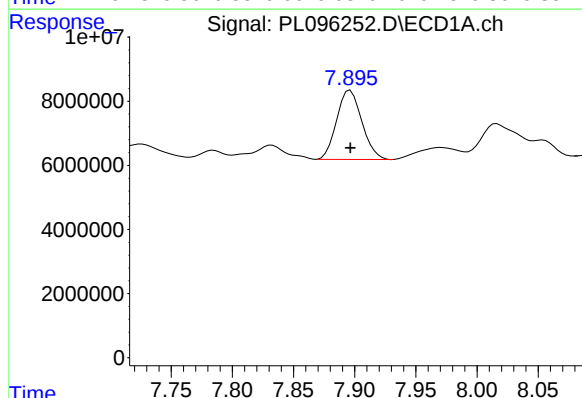
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 42985480
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



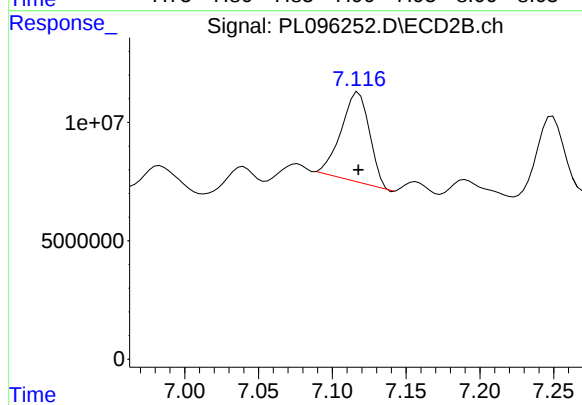
#5 Toxaphene-4

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 83206906
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 30902169
Conc: 500.00 ng/ml



#6 Toxaphene-5

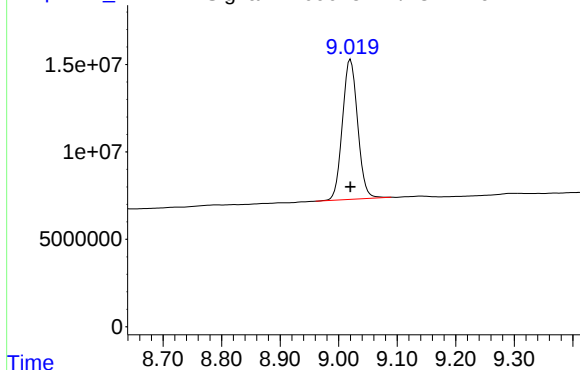
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50709284
Conc: 500.00 ng/ml

Response_

Signal: PL096252.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 144852388
Conc: 50.00 ng/ml

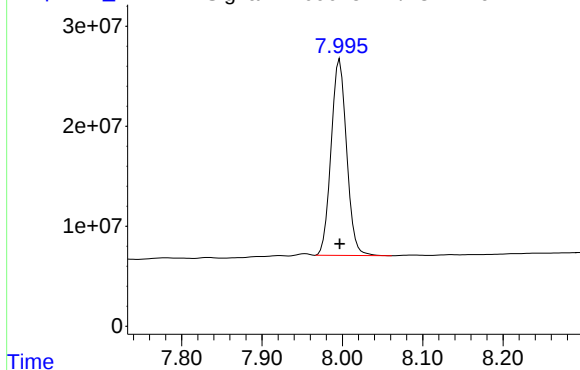
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PL096252.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 263322898
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:19
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL070725

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:23:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	186.5E6	292.8E6	51.121	50.727
28)	SA Decachlor...	9.022	7.997	140.6E6	252.5E6	49.997	50.646
Target Compounds							
2)	A alpha-BHC	3.985	3.335	267.9E6	439.5E6	52.090	52.104
3)	MA gamma-BHC...	4.314	3.668	258.2E6	407.2E6	51.852	51.705
4)	MA Heptachlor	4.906	4.017	239.3E6	393.6E6	52.226	51.743
5)	MB Aldrin	5.245	4.300	247.3E6	377.0E6	51.152m	51.670
6)	B beta-BHC	4.500	3.964	105.6E6	173.3E6	50.792	50.626
7)	B delta-BHC	4.746	4.197	234.7E6	398.9E6	52.366	51.789
8)	B Heptachlo...	5.664	4.802	220.5E6	343.2E6	53.133m	51.344
9)	A Endosulfan I	6.047	5.174	205.2E6	331.1E6	50.831	46.148
10)	B gamma-Chl...	5.919	5.055	225.5E6	357.7E6	50.971	50.960
11)	B alpha-Chl...	6.000	5.119	222.4E6	359.0E6	50.784	47.738
12)	B 4,4'-DDE	6.170	5.308	190.6E6	334.4E6	51.411	51.739
13)	MA Dieldrin	6.320	5.438	215.9E6	351.2E6	51.070	51.494
14)	MA Endrin	6.546	5.713	165.8E6	314.2E6	53.309	51.541
15)	B Endosulfa...	6.758	6.005	180.6E6	300.7E6	52.046	51.281
16)	A 4,4'-DDD	6.679	5.860	150.5E6	262.9E6	51.690	51.256
17)	MA 4,4'-DDT	6.993	6.113	158.7E6	297.6E6	52.301	51.897
18)	B Endrin al...	6.887	6.183	122.0E6	220.2E6	54.555	49.434
19)	B Endosulfa...	7.120	6.406	156.8E6	287.8E6	51.259	51.179
20)	A Methoxychlor	7.465	6.685	80931127	156.5E6	51.372	51.507
21)	B Endrin ke...	7.600	6.911	170.6E6	319.2E6	51.674	51.060
22)	Mirex	8.080	7.102	139.8E6	249.2E6	50.233	50.167

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL070725

Manual Integrations

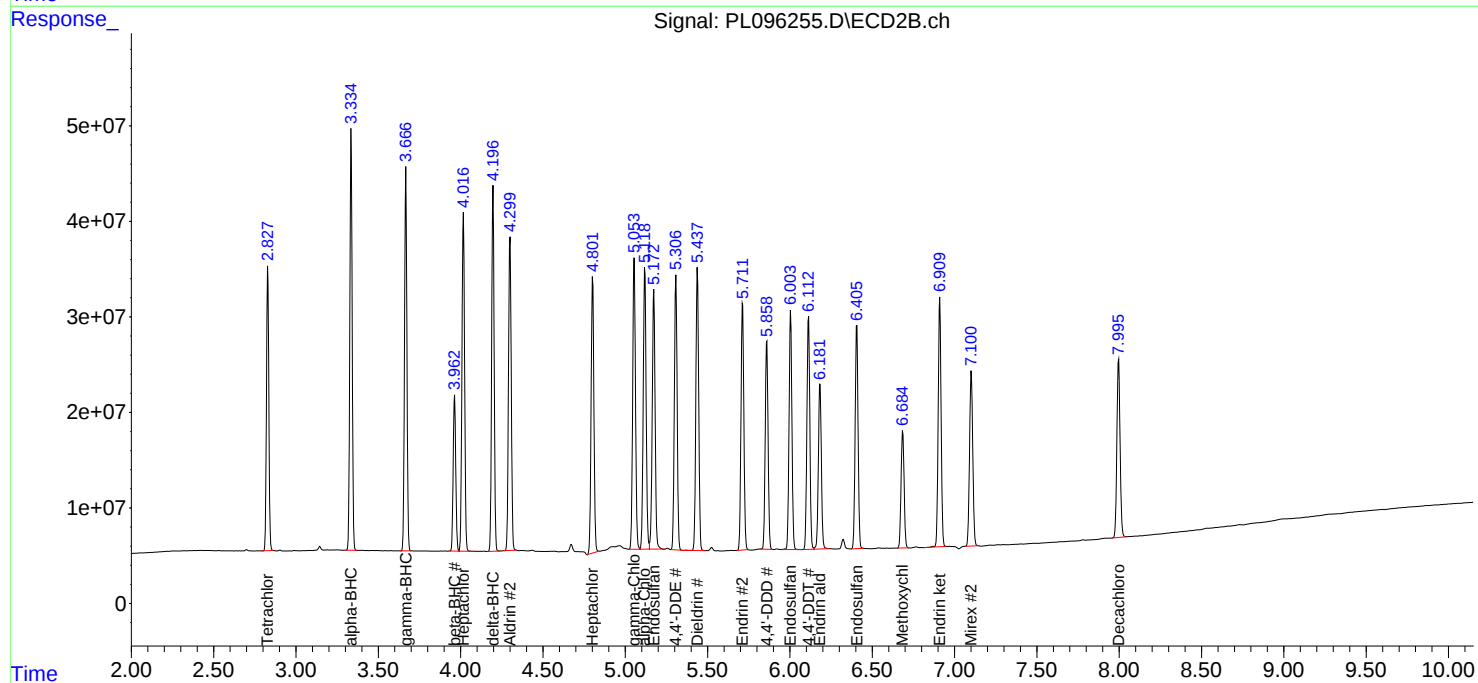
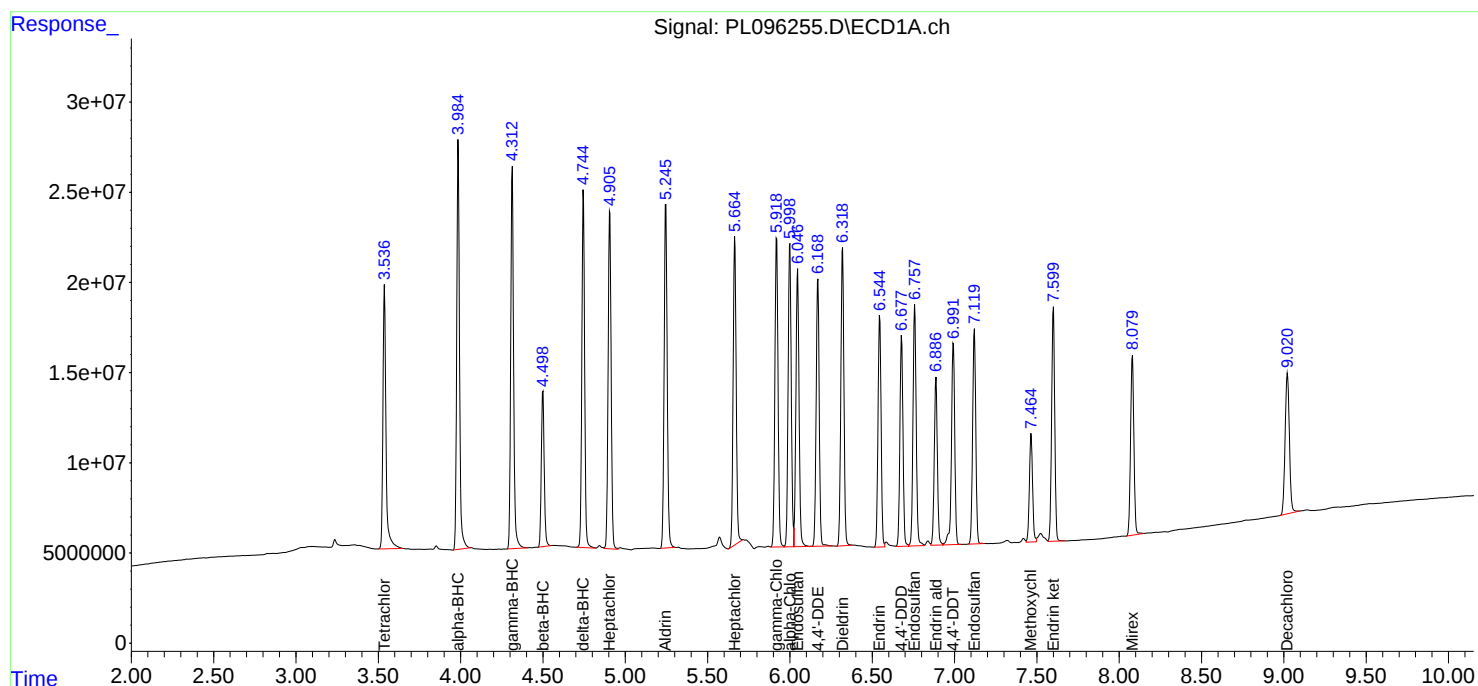
APPROVED

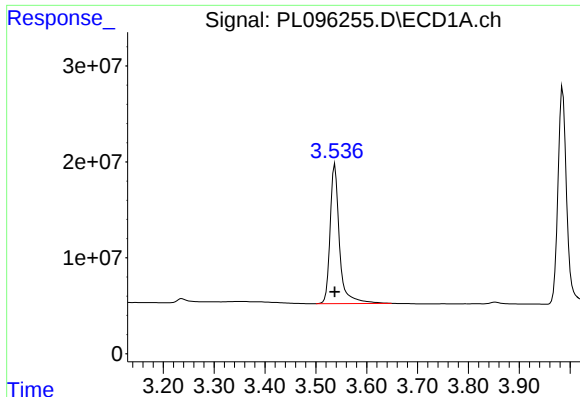
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

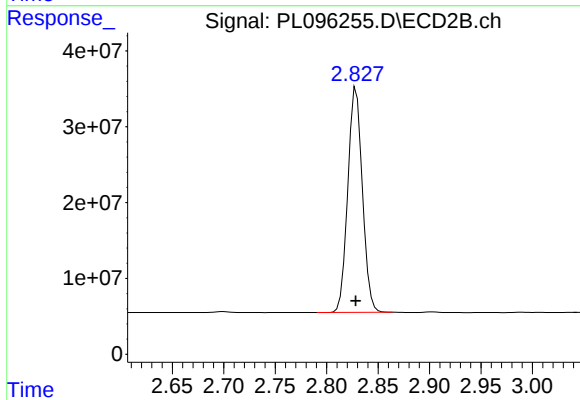
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 186539650
Conc: 51.12 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

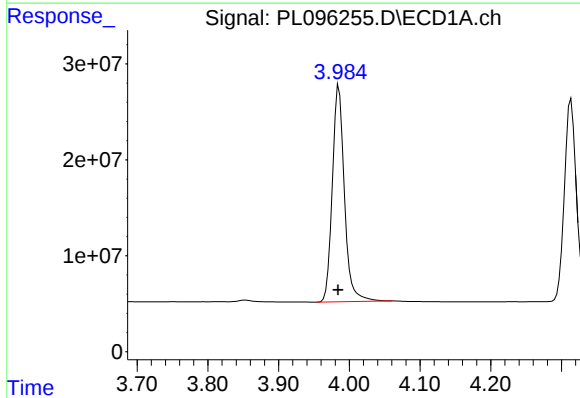
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



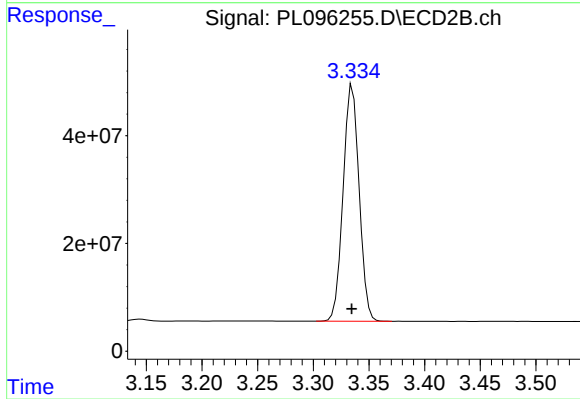
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 292757939
Conc: 50.73 ng/ml



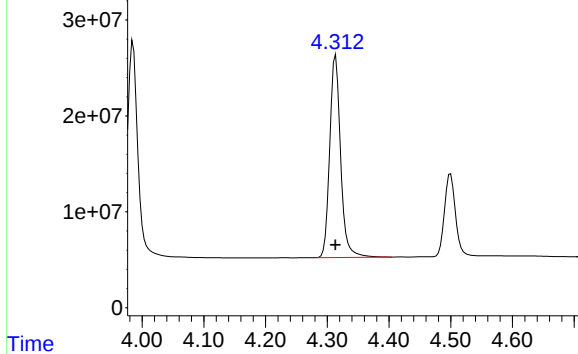
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.001 min
Response: 267907777
Conc: 52.09 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 439467282
Conc: 52.10 ng/ml

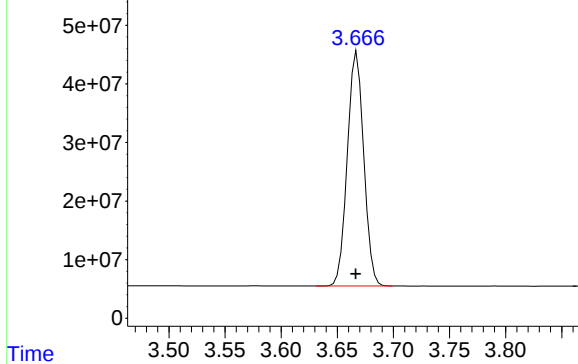


R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 258204975
Conc: 51.85 ng/ml

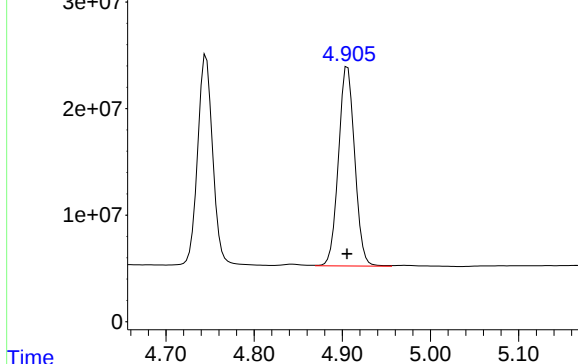
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Manual Integrations
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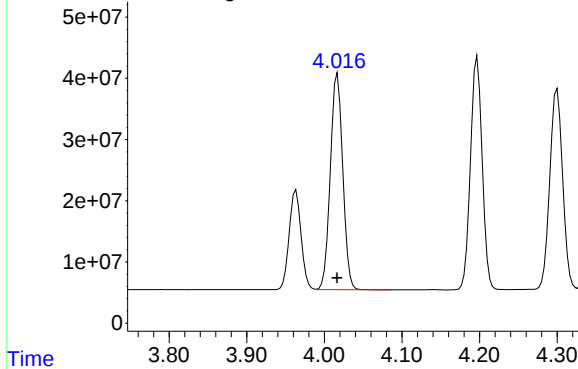
Reviewed By :Abdul Mirza 07/08/2025
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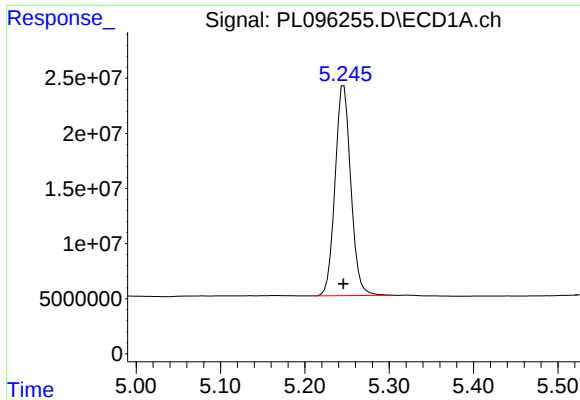
R.T.: 3.668 min
Delta R.T.: 0.000 min
Response: 407224231
Conc: 51.71 ng/ml



R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 239257721
Conc: 52.23 ng/ml



R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 393645051
Conc: 51.74 ng/ml



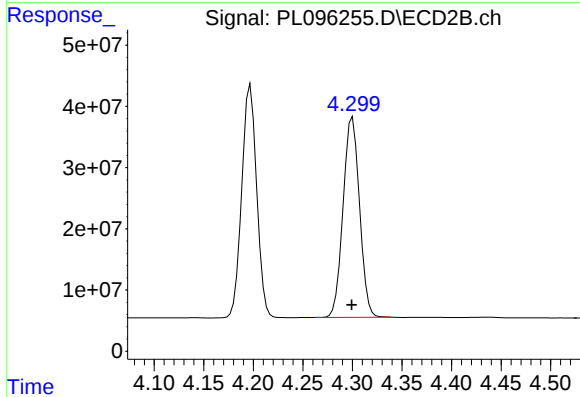
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 247253681
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

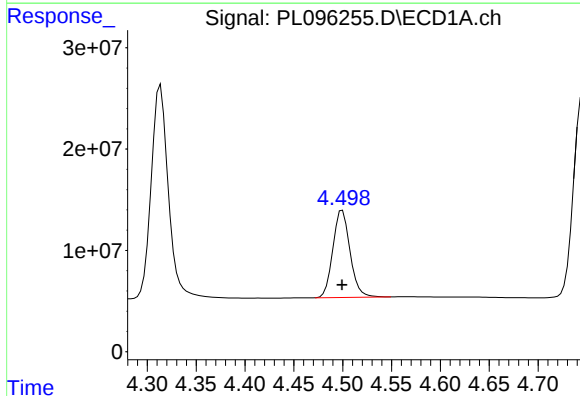
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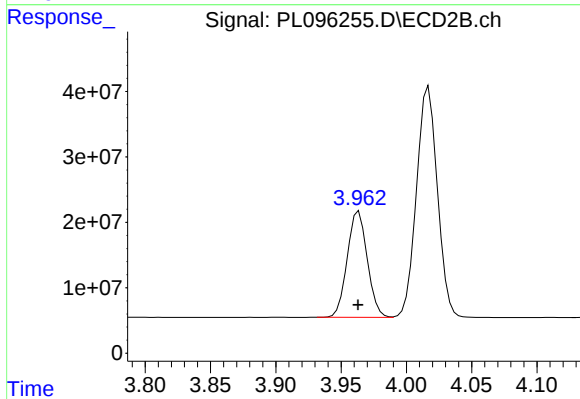
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 376963069
Conc: 51.67 ng/ml



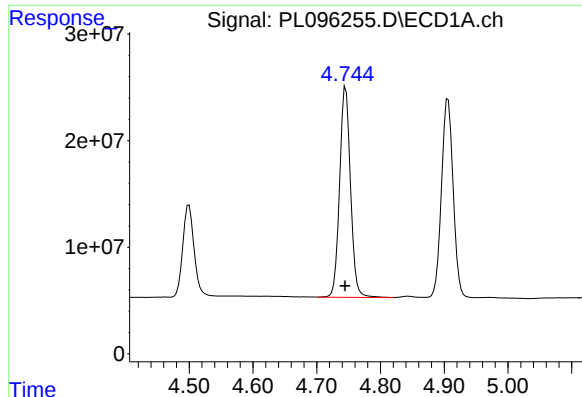
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 105585547
Conc: 50.79 ng/ml



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 173338446
Conc: 50.63 ng/ml



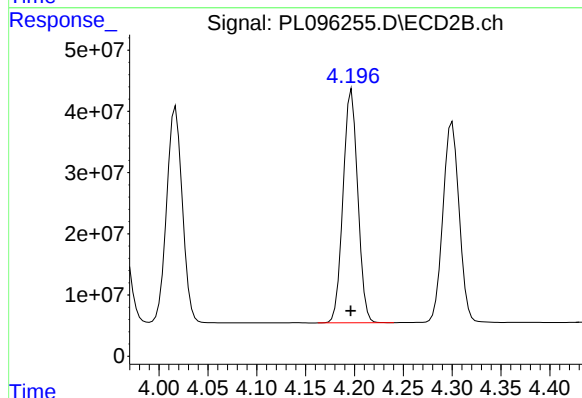
#7 delta-BHC

R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 234667452
Conc: 52.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

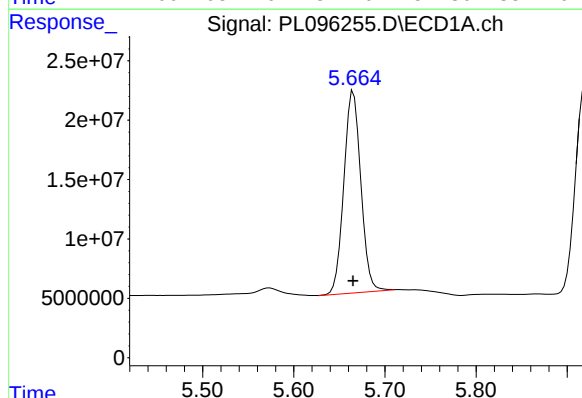
Manual Integrations
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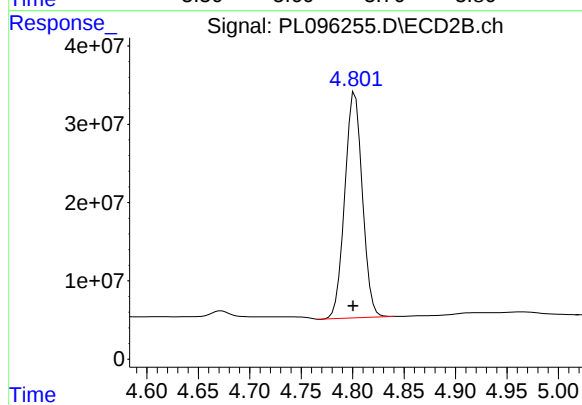
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.001 min
Response: 398872355
Conc: 51.79 ng/ml



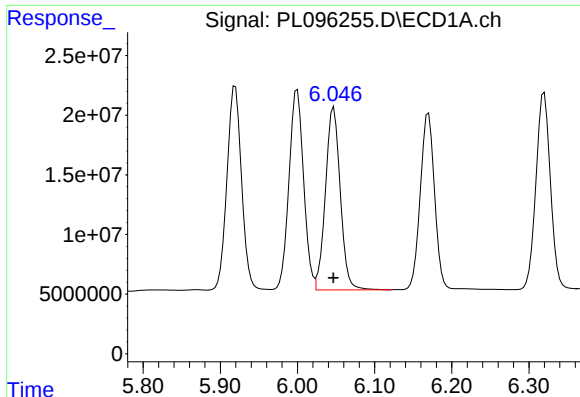
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 220455792
Conc: 53.13 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.002 min
Response: 343231658
Conc: 51.34 ng/ml



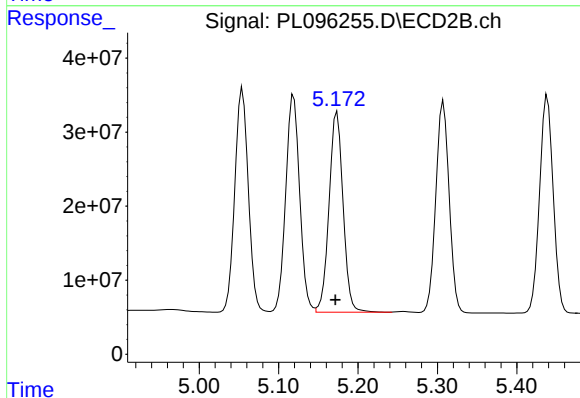
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 205217213
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

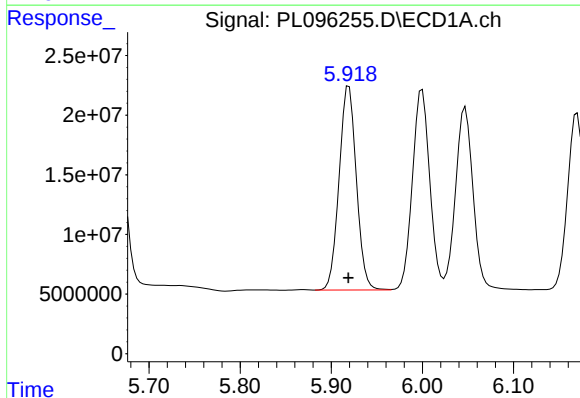
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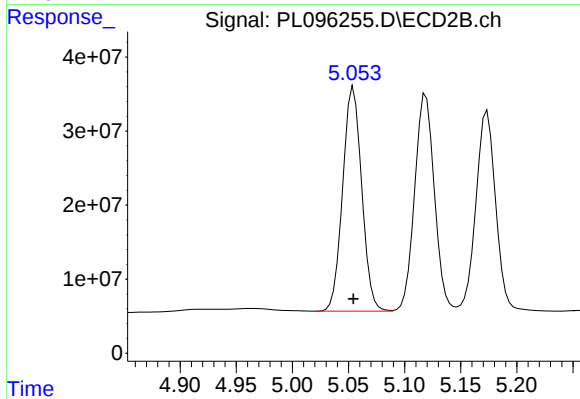
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.002 min
Response: 331072403
Conc: 46.15 ng/ml



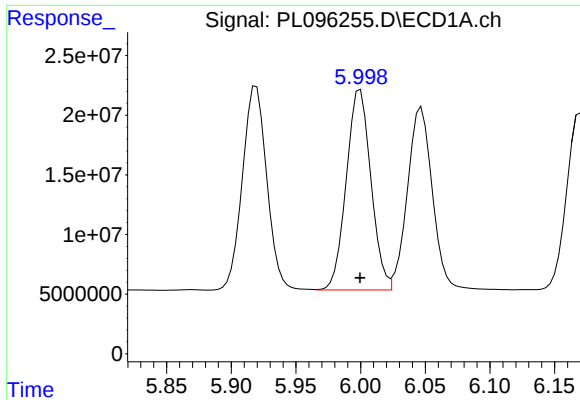
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 50.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 50.96 ng/ml



#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 222374257
Conc: 50.78 ng/ml

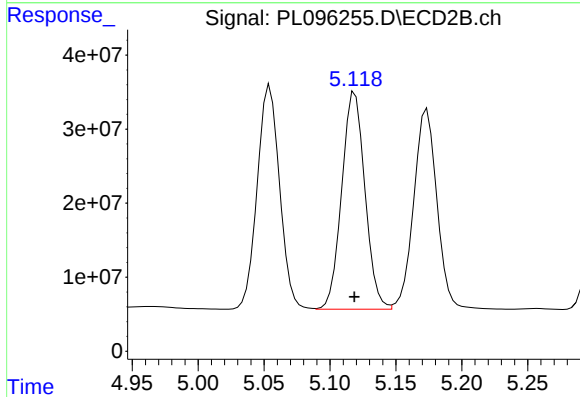
Instrument :

ECD_L

ClientSampleId :
ICVPL070725

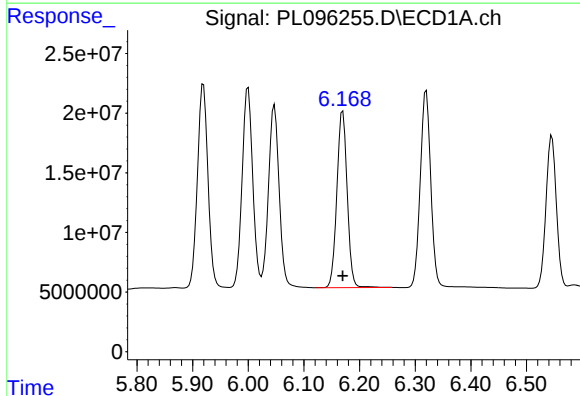
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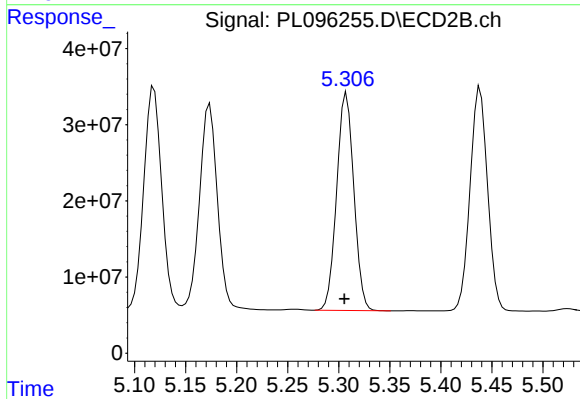
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 47.74 ng/ml



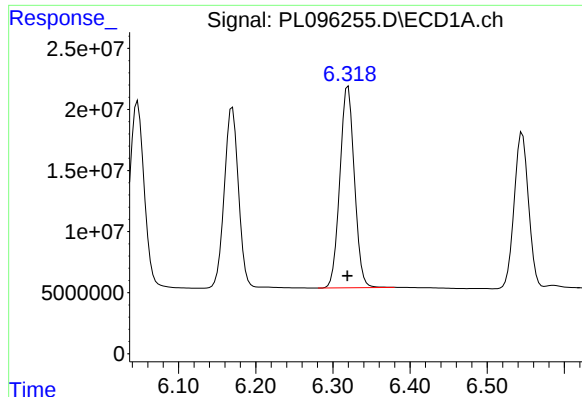
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 190603296
Conc: 51.41 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.002 min
Response: 334423899
Conc: 51.74 ng/ml



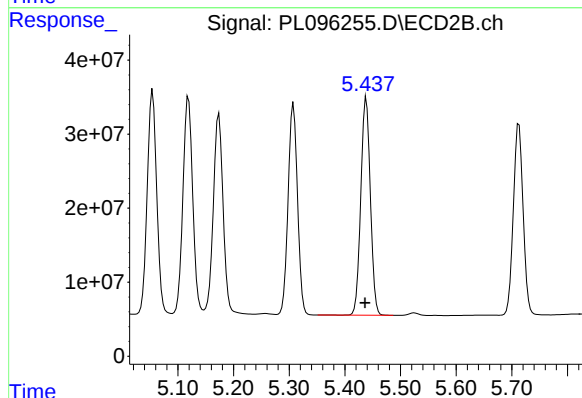
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 215943692
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

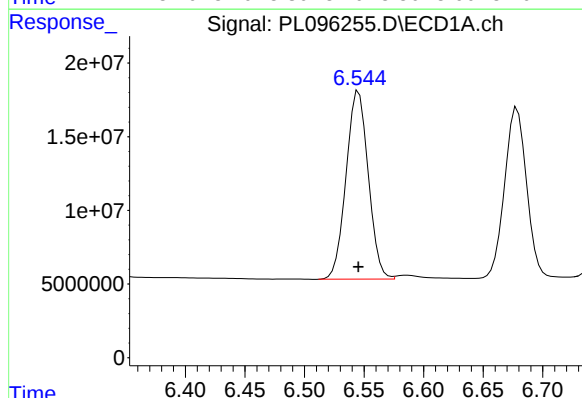
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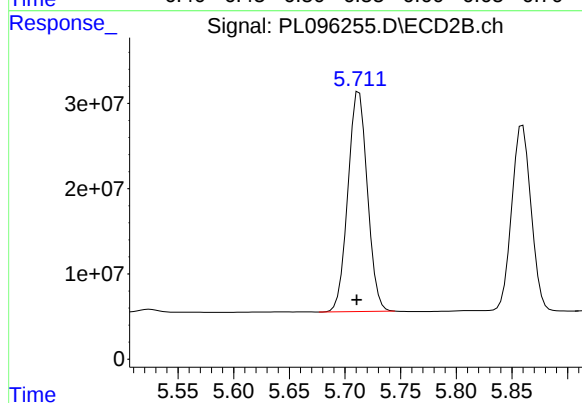
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 351152654
Conc: 51.49 ng/ml



#14 Endrin

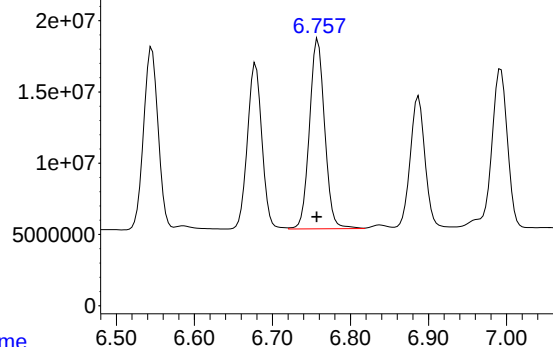
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 165802977
Conc: 53.31 ng/ml



#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 314221022
Conc: 51.54 ng/ml

Response_ Signal: PL096255.D\ECD1A.ch



#15 Endosulfan II

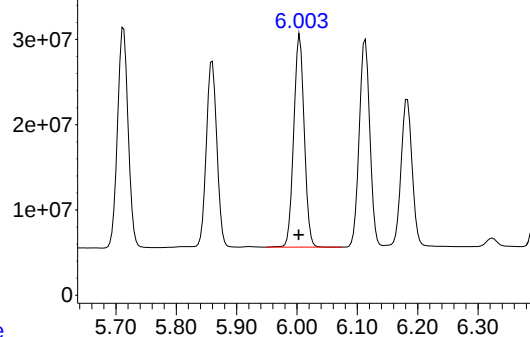
R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 180601073
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Manual Integrations
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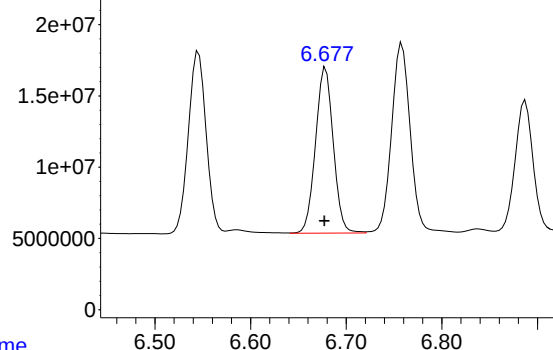
Time Response_ Signal: PL096255.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 300706964
Conc: 51.28 ng/ml

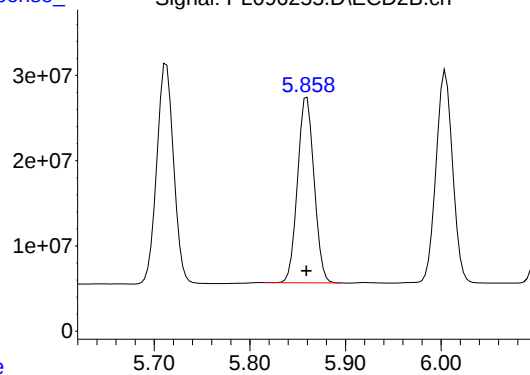
Time Response_ Signal: PL096255.D\ECD1A.ch



#16 4,4'-DDD

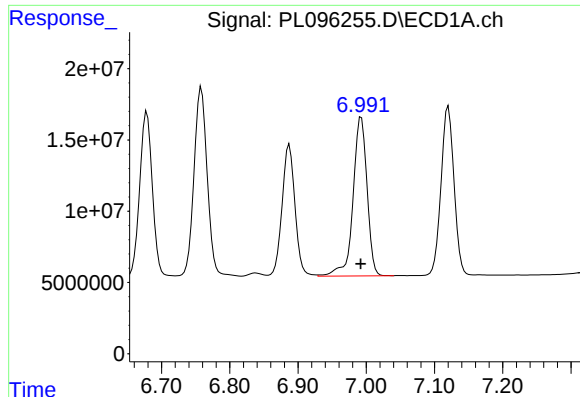
R.T.: 6.679 min
Delta R.T.: 0.001 min
Response: 150504521
Conc: 51.69 ng/ml

Time Response_ Signal: PL096255.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 262873762
Conc: 51.26 ng/ml



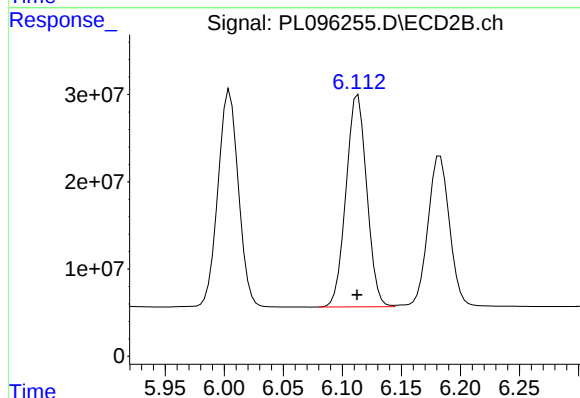
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 158743261
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

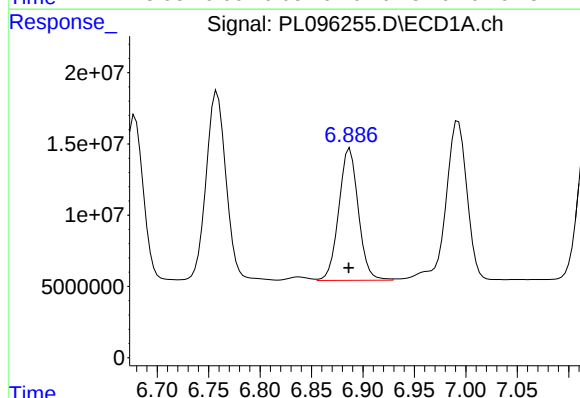
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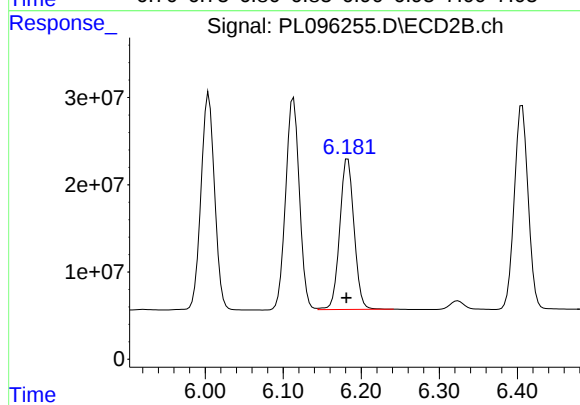
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 297635340
Conc: 51.90 ng/ml



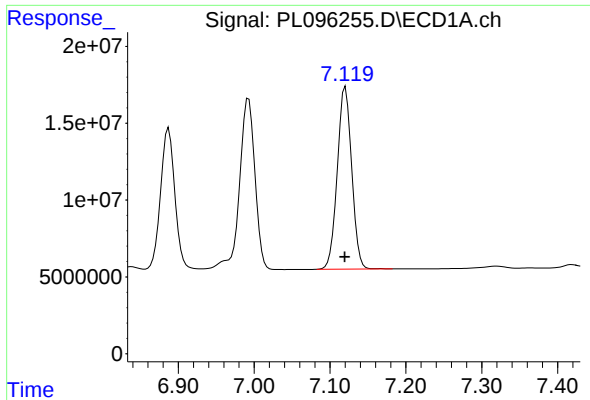
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 121960834
Conc: 54.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 220207892
Conc: 49.43 ng/ml



#19 Endosulfan Sulfate

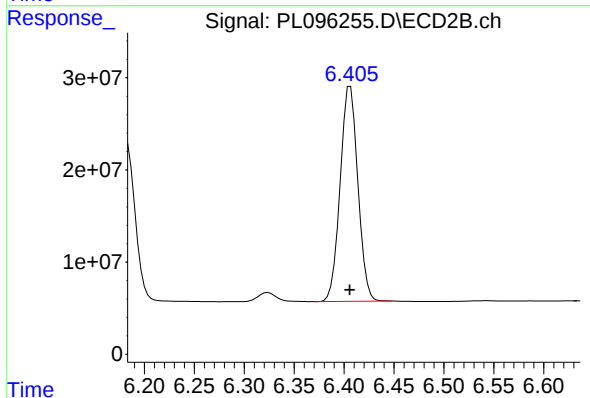
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 156791775
Conc: 51.26 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

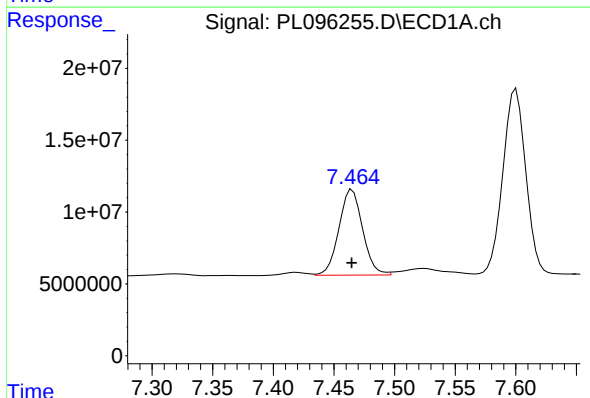
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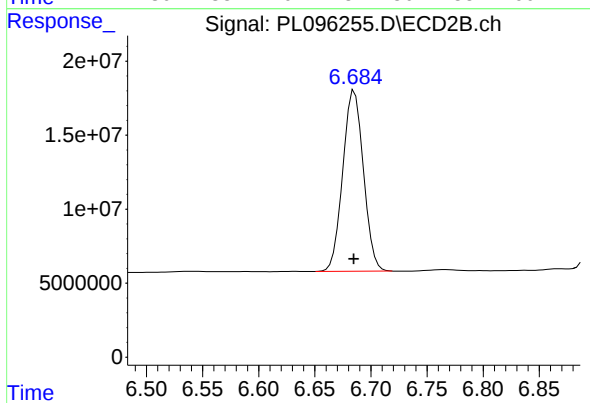
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 287849227
Conc: 51.18 ng/ml



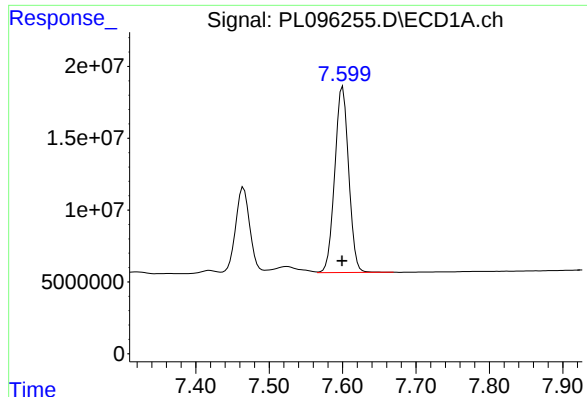
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 80931127
Conc: 51.37 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 156466302
Conc: 51.51 ng/ml



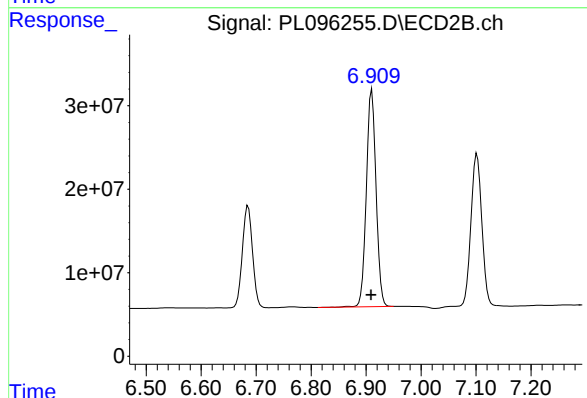
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 170609060
Conc: 51.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

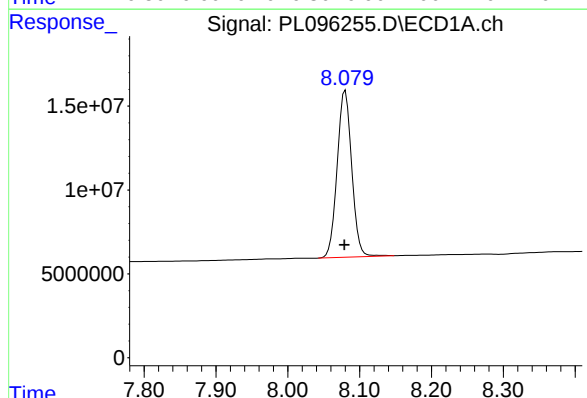
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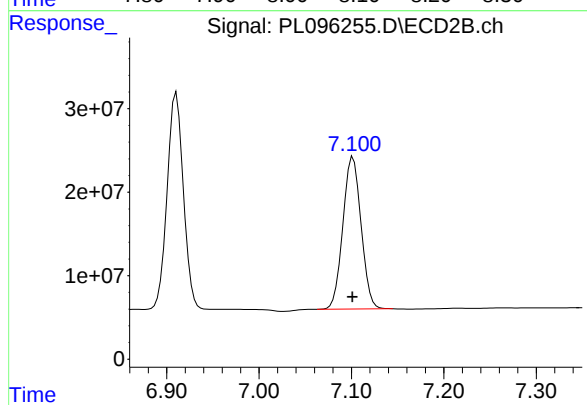
#21 Endrin ketone

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 319242361
Conc: 51.06 ng/ml



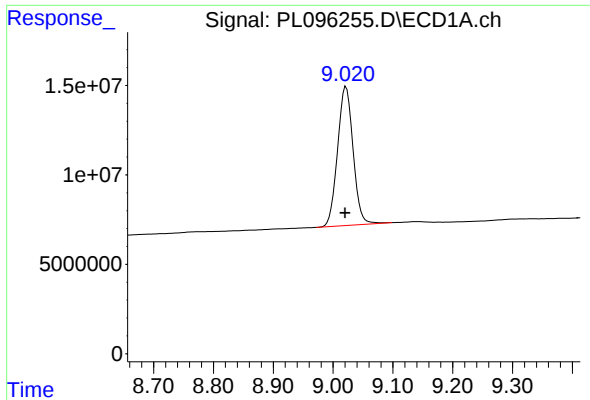
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.002 min
Response: 139758073
Conc: 50.23 ng/ml



#22 Mirex

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 249239419
Conc: 50.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.022 min

Delta R.T.: 0.002 min

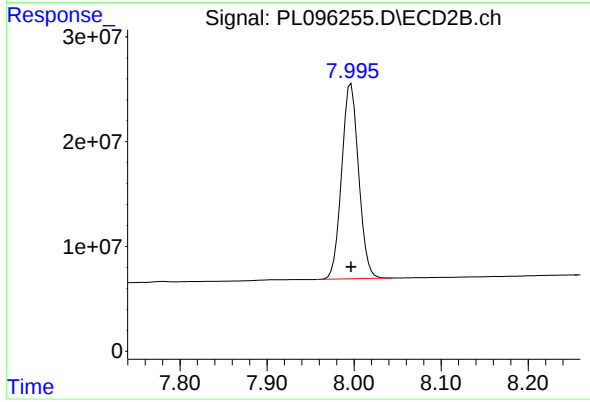
Response: 140644352

Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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#28 Decachlorobiphenyl

R.T.: 7.997 min

Delta R.T.: 0.000 min

Response: 252544515

Conc: 50.65 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Continuing Calib Date: 07/24/2025

Initial Calibration Date(s): 07/07/2025

07/07/2025

Continuing Calib Time: 11:28

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endrin	6.54	6.55	6.45	6.65	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Continuing Calib Date: 07/24/2025

Initial Calibration Date(s): 07/07/2025 07/07/2025

Continuing Calib Time: 11:28

Initial Calibration Time(s): 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q2641
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096553.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.017	8.920	9.120	54.750	50.000	9.5
Endrin	6.543	6.445	6.645	52.690	50.000	5.4
gamma-BHC (Lindane)	4.311	4.213	4.413	57.100	50.000	14.2
Heptachlor	4.903	4.806	5.006	54.190	50.000	8.4
Heptachlor epoxide	5.662	5.565	5.765	57.860	50.000	15.7
Methoxychlor	7.463	7.364	7.564	57.890	50.000	15.8
Tetrachloro-m-xylene	3.535	3.438	3.638	55.150	50.000	10.3



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.:** Q2641
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096553.D **Time Analyzed:** 11:28

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.993	7.896	8.096	47.090	50.000	-5.8
Endrin	5.709	5.612	5.812	56.050	50.000	12.1
gamma-BHC (Lindane)	3.664	3.567	3.767	57.790	50.000	15.6
Heptachlor	4.013	3.917	4.117	55.010	50.000	10.0
Heptachlor epoxide	4.798	4.702	4.902	56.250	50.000	12.5
Methoxychlor	6.681	6.584	6.784	54.670	50.000	9.3
Tetrachloro-m-xylene	2.827	2.729	2.929	57.210	50.000	14.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096553.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 11:28
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/25/2025
 Supervised By : mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:30:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	201.2E6	330.2E6	55.147	57.215
28)	SA Decachlor...	9.017	7.993	154.0E6	234.8E6	54.746	47.086
Target Compounds							
2)	A alpha-BHC	3.983	3.332	296.9E6	495.7E6	57.727	58.771
3)	MA gamma-BHC...	4.311	3.664	284.3E6	455.2E6	57.097	57.791
4)	MA Heptachlor	4.903	4.013	248.2E6	418.5E6	54.185	55.011
5)	MB Aldrin	5.243	4.296	262.5E6	419.0E6	54.307	57.431
6)	B beta-BHC	4.497	3.960	118.6E6	190.5E6	57.049	55.643
7)	B delta-BHC	4.743	4.193	260.9E6	442.8E6	58.220	57.486
8)	B Heptachlo...	5.662	4.798	240.1E6	376.0E6	57.859	56.249
9)	A Endosulfan I	6.045	5.169	223.4E6	340.0E6	55.323	47.388
10)	B gamma-Chl...	5.915	5.050	235.4E6	397.3E6	53.200m	56.603
11)	B alpha-Chl...	5.997	5.114	240.7E6	387.1E6	54.961	51.471
12)	B 4,4'-DDE	6.167	5.304	199.3E6	359.6E6	53.754	55.639
13)	MA Dieldrin	6.316	5.432	218.2E6	385.9E6	51.596	56.585m
14)	MA Endrin	6.543	5.709	163.9E6	341.7E6	52.689	56.046
15)	B Endosulfa...	6.756	6.000	181.5E6	311.8E6	52.315	53.170
16)	A 4,4'-DDD	6.676	5.856	173.8E6	306.7E6	59.703	59.794
17)	MA 4,4'-DDT	6.990	6.109	139.2E6	269.7E6	45.868	47.034
18)	B Endrin al...	6.885	6.179	125.1E6	232.6E6	55.962	52.217
19)	B Endosulfa...	7.118	6.402	152.6E6	290.2E6	49.890	51.596
20)	A Methoxychlor	7.463	6.681	91202144	166.1E6	57.892	54.675
21)	B Endrin ke...	7.598	6.906	159.3E6	314.5E6	48.264	50.302
22)	Mirex	8.077	7.097	130.8E6	222.6E6	47.030	44.810

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 11:28
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

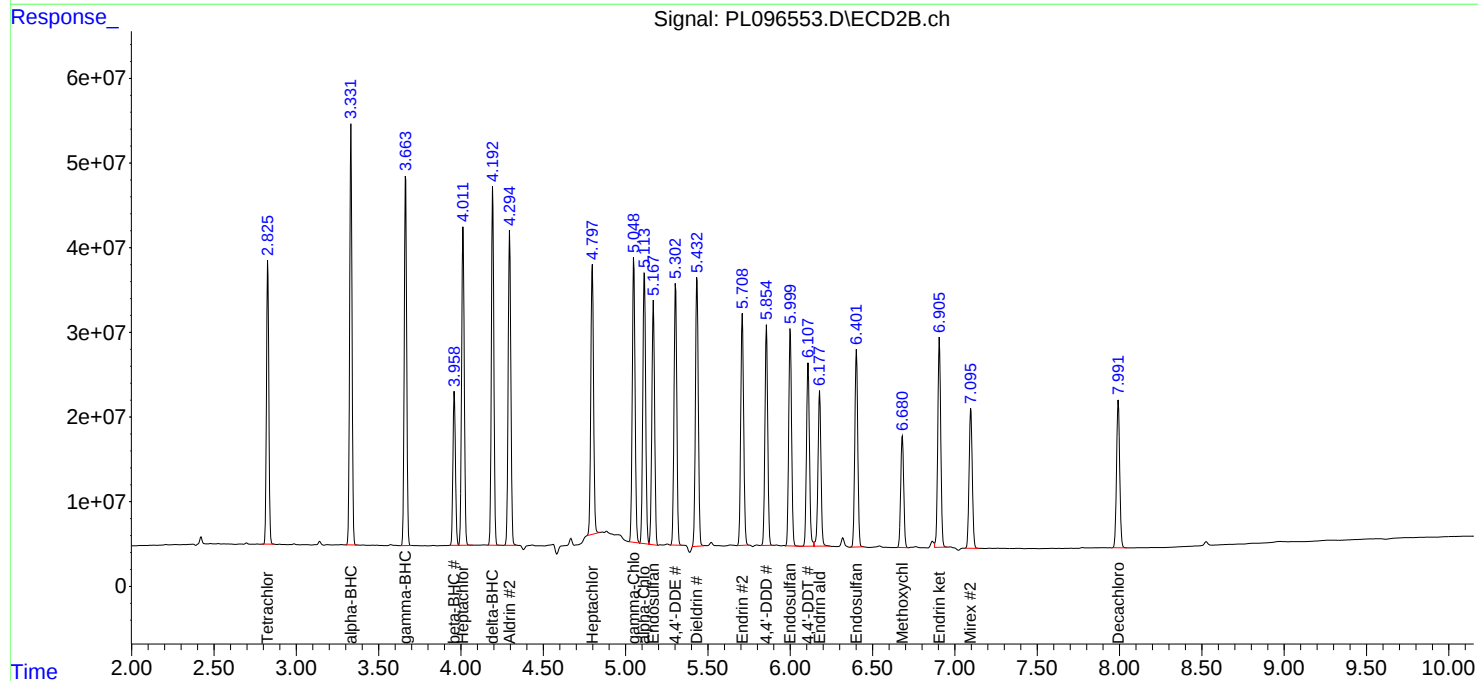
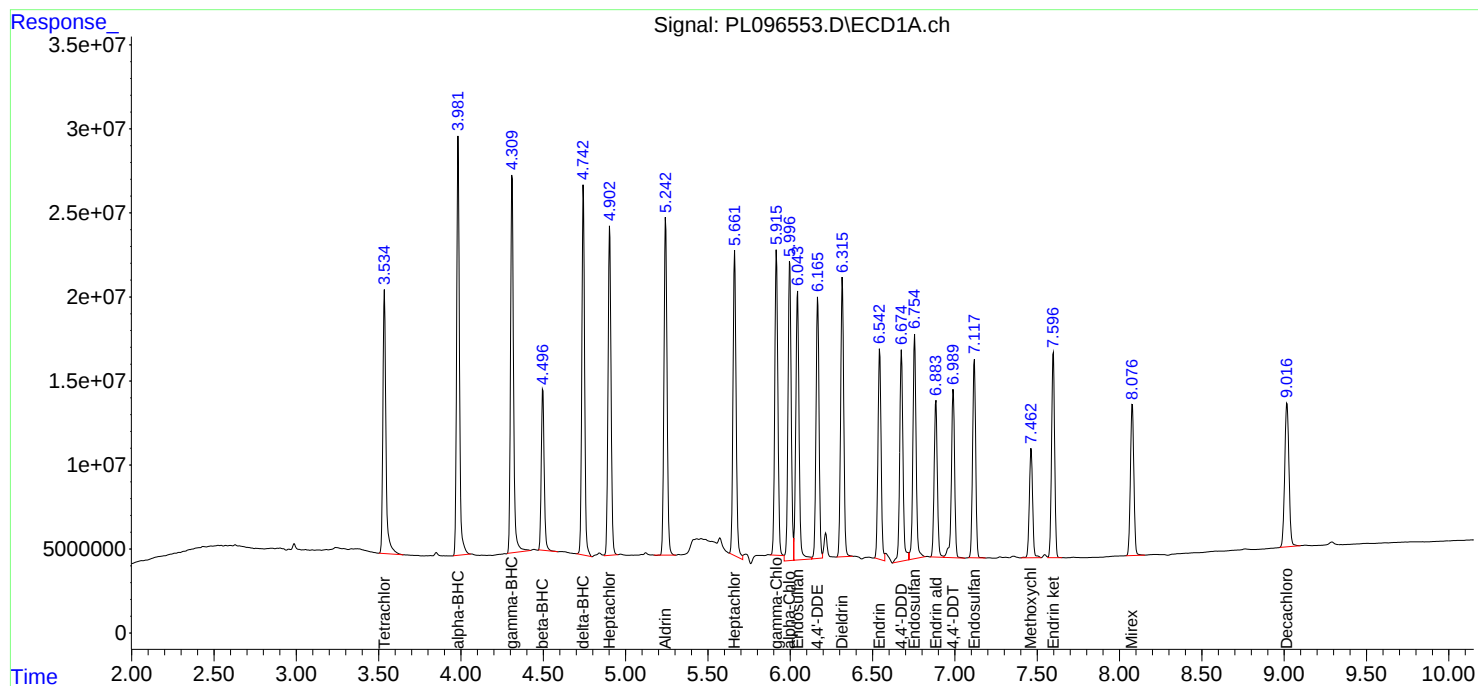
APPROVED

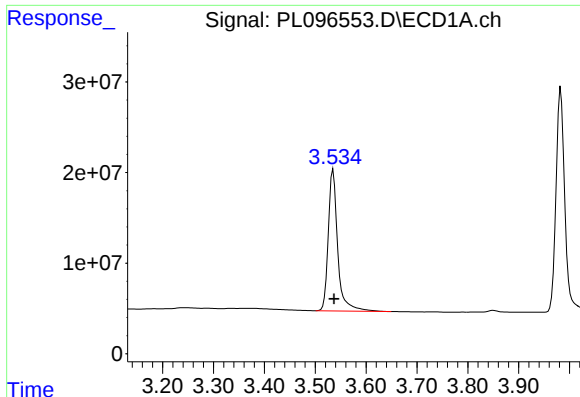
Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





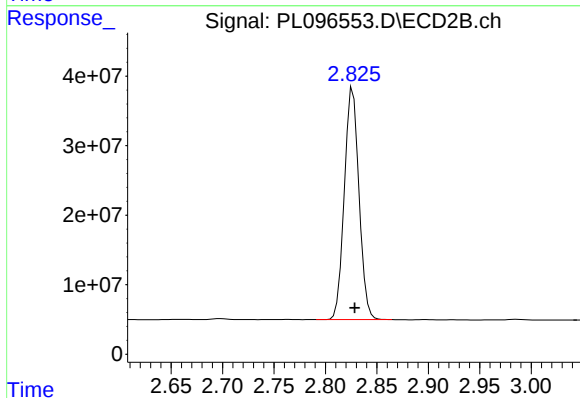
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 201231368
Conc: 55.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

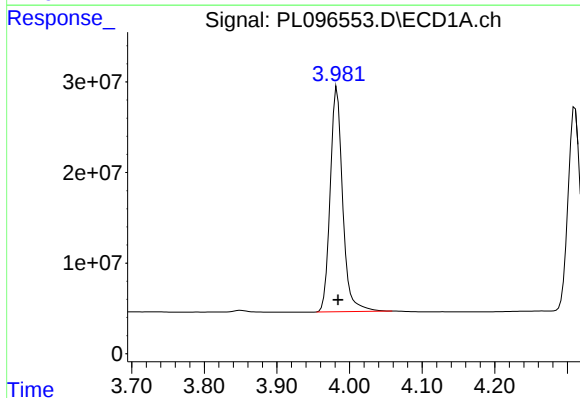
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



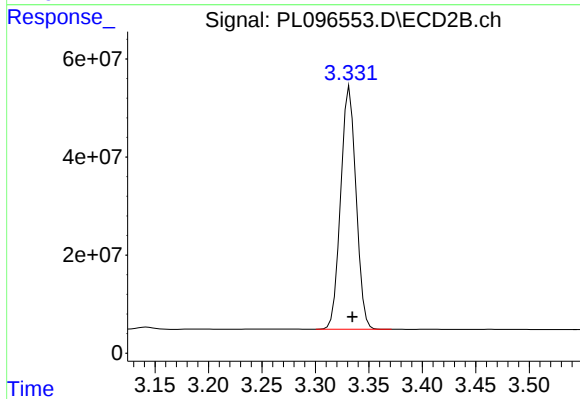
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 330198602
Conc: 57.21 ng/ml



#2 alpha-BHC

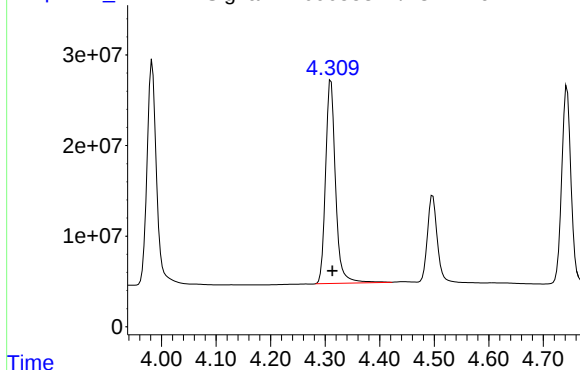
R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 296896357
Conc: 57.73 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 495698936
Conc: 58.77 ng/ml

Response_ Signal: PL096553.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 284322695
Conc: 57.10 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

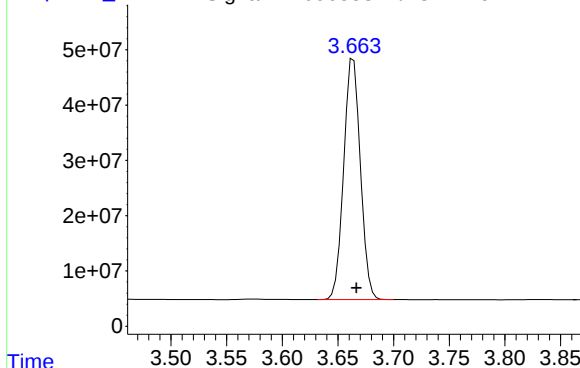
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/29/2025

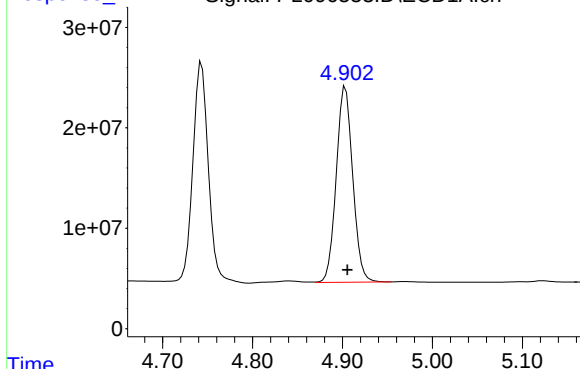
Time Response_ Signal: PL096553.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.003 min
Response: 455155059
Conc: 57.79 ng/ml

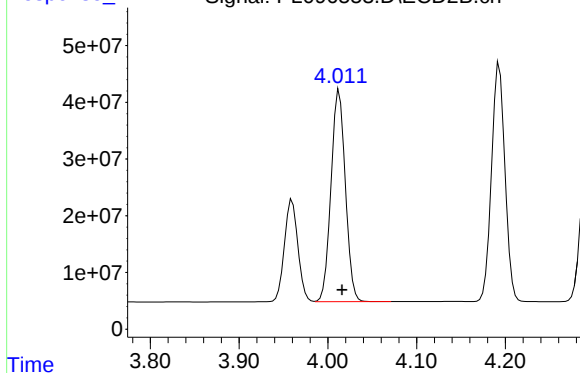
Time Response_ Signal: PL096553.D\ECD1A.ch



#4 Heptachlor

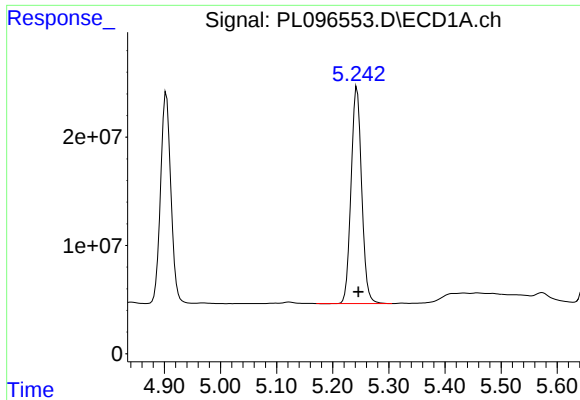
R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 248233410
Conc: 54.19 ng/ml

Time Response_ Signal: PL096553.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.003 min
Response: 418509396
Conc: 55.01 ng/ml



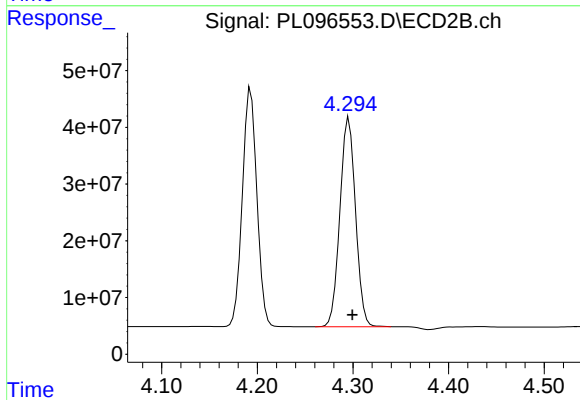
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 262506923
Conc: 54.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

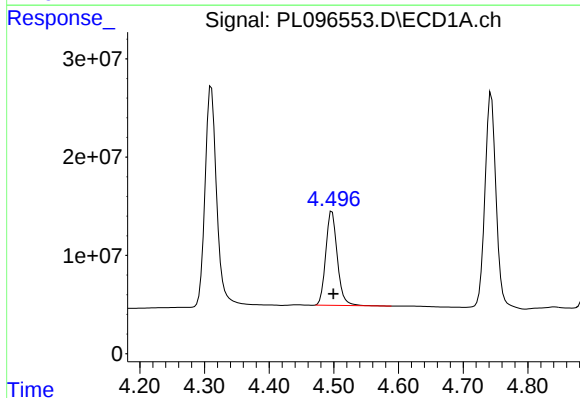
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



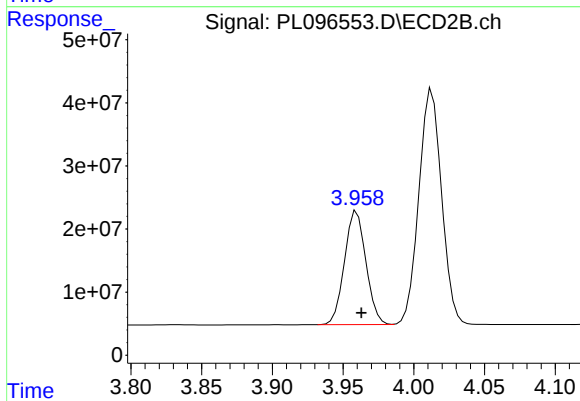
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.003 min
Response: 418992460
Conc: 57.43 ng/ml



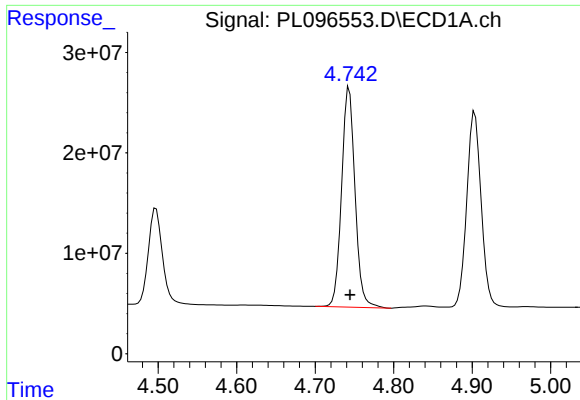
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 118594270
Conc: 57.05 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 190518235
Conc: 55.64 ng/ml



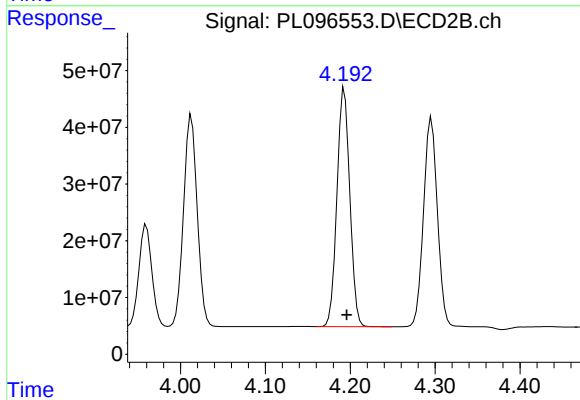
#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: -0.001 min
Response: 260901042
Conc: 58.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

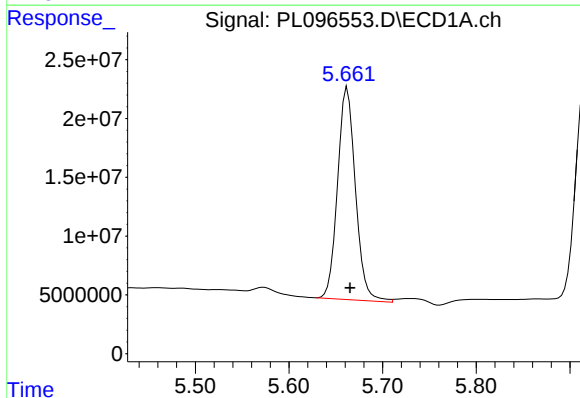
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



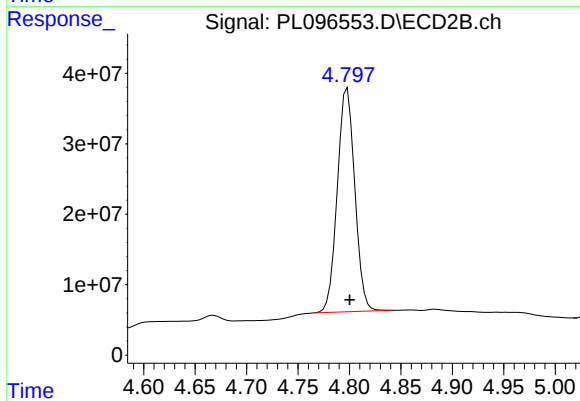
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 442754926
Conc: 57.49 ng/ml



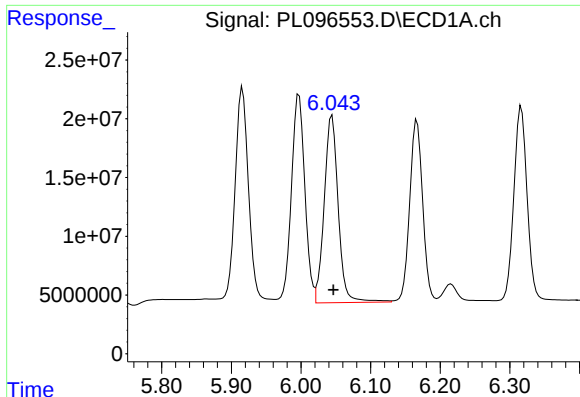
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 240066324
Conc: 57.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.002 min
Response: 376020602
Conc: 56.25 ng/ml



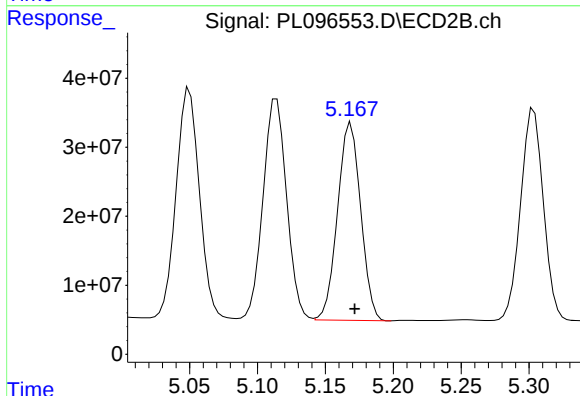
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 223352468
Conc: 55.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

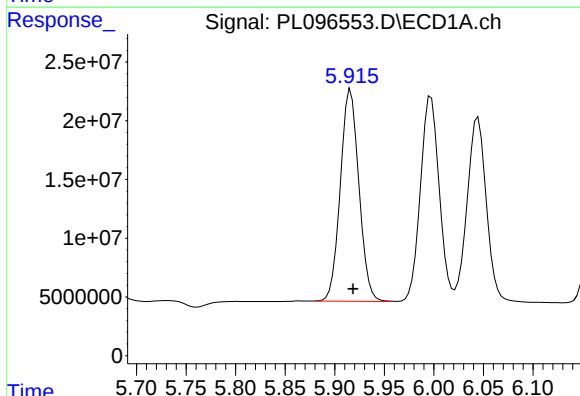
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



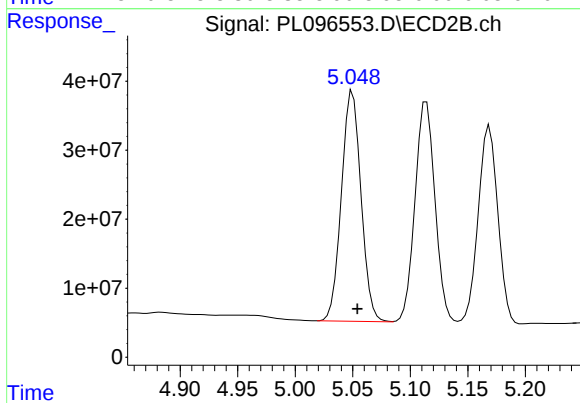
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.003 min
Response: 339970645
Conc: 47.39 ng/ml



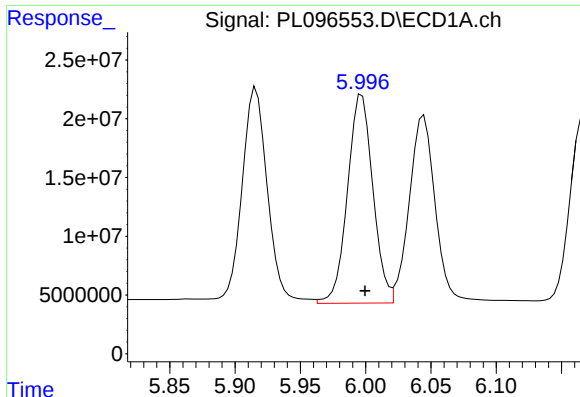
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.004 min
Response: 235401017
Conc: 53.20 ng/ml m



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 397334875
Conc: 56.60 ng/ml



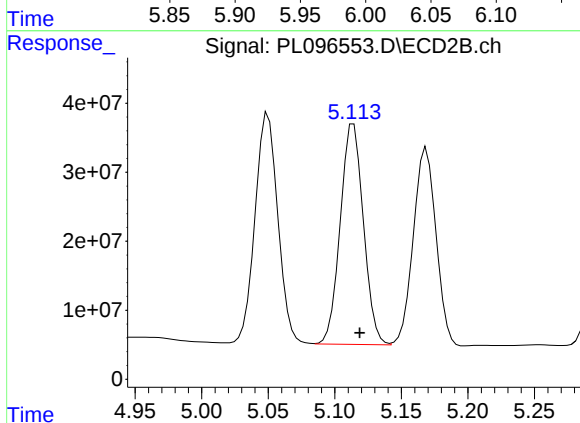
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 240666850
Conc: 54.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

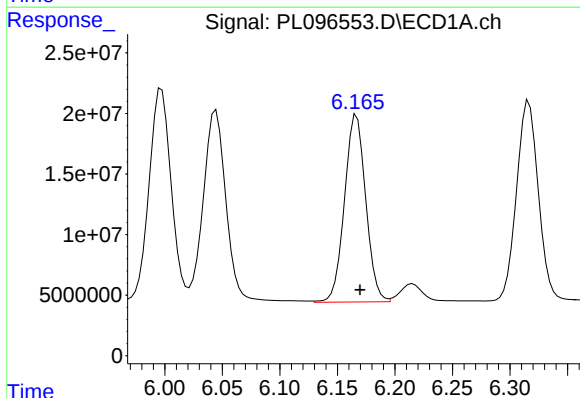
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



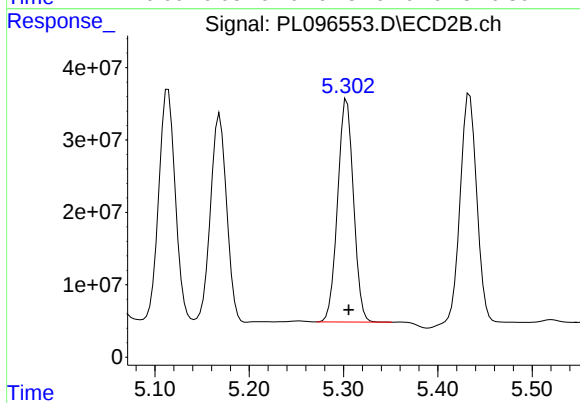
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 387073554
Conc: 51.47 ng/ml



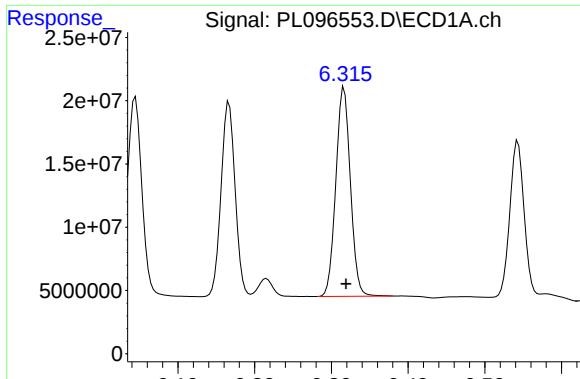
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.003 min
Response: 199290318
Conc: 53.75 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 359635819
Conc: 55.64 ng/ml



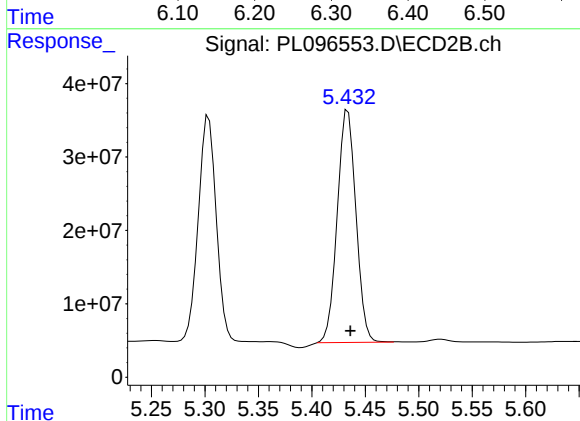
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 218167154
Conc: 51.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

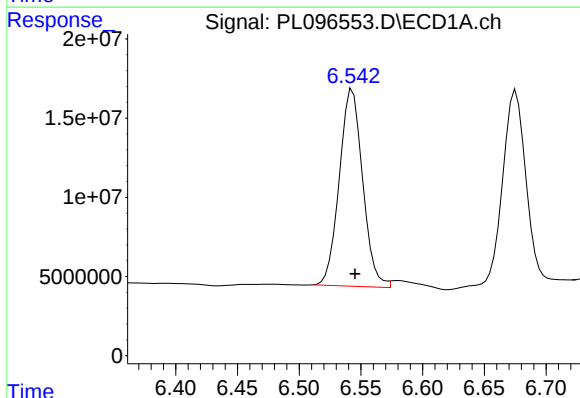
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



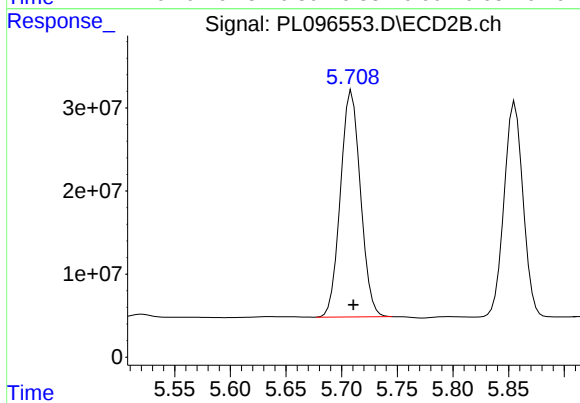
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.004 min
Response: 385869975
Conc: 56.59 ng/ml m



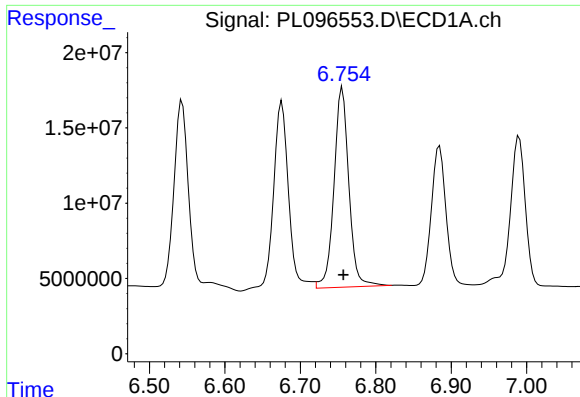
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 163873210
Conc: 52.69 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 341682352
Conc: 56.05 ng/ml



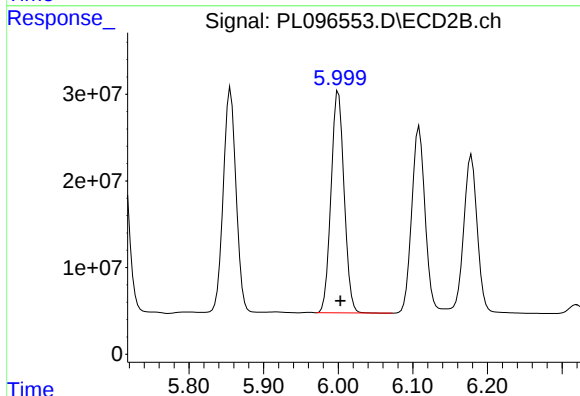
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 181535461
Conc: 52.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

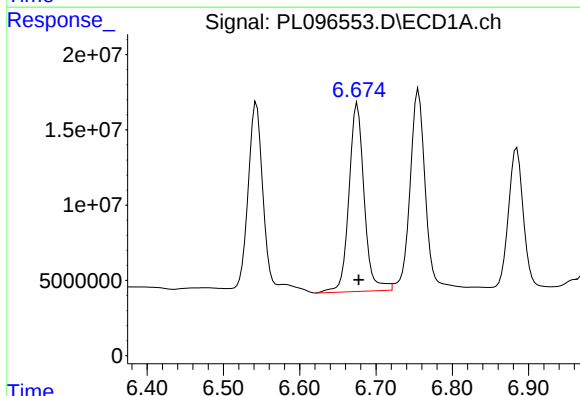
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



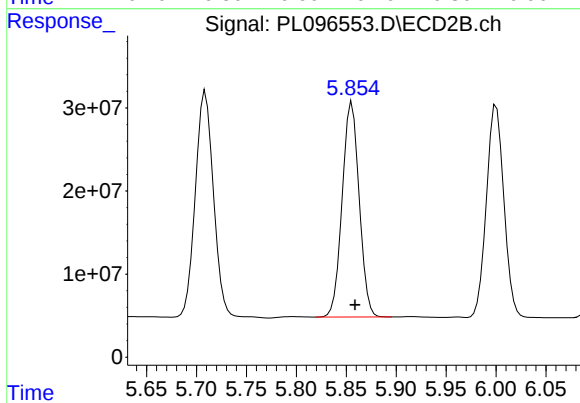
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.002 min
Response: 311781507
Conc: 53.17 ng/ml



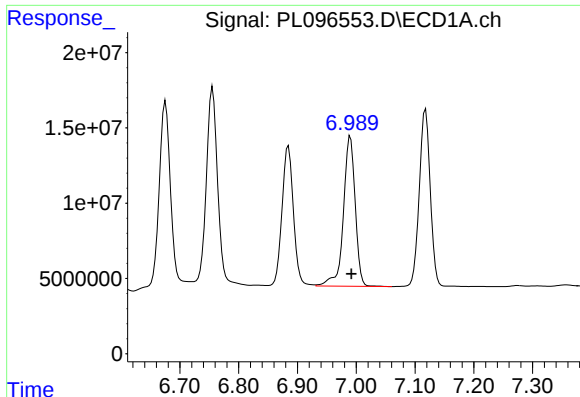
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.002 min
Response: 173837224
Conc: 59.70 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 306664176
Conc: 59.79 ng/ml



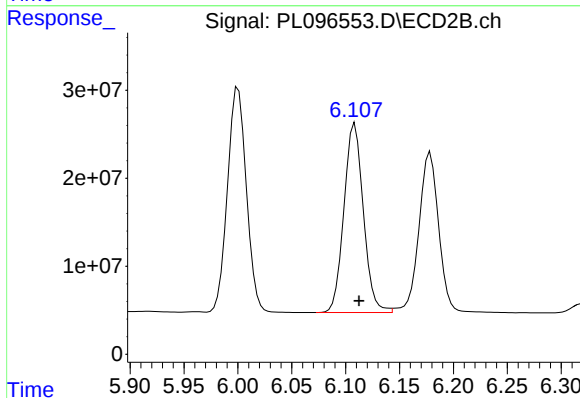
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 139219753
Conc: 45.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

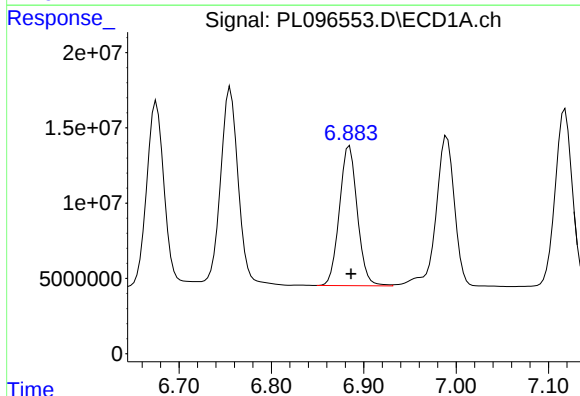
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



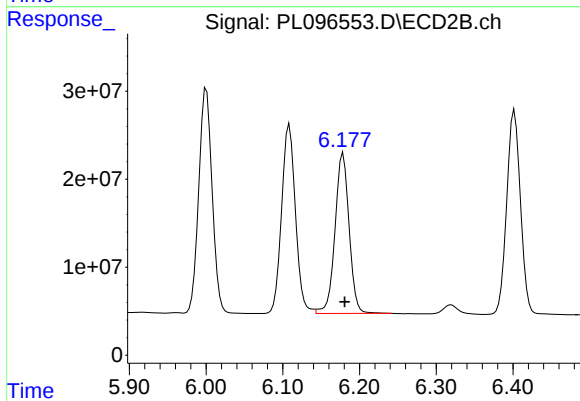
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 269744799
Conc: 47.03 ng/ml



#18 Endrin aldehyde

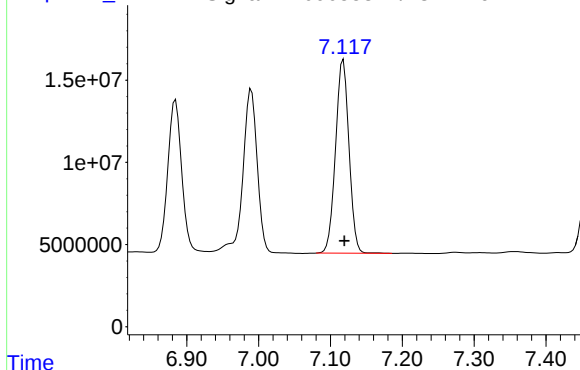
R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 125105873
Conc: 55.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 232604685
Conc: 52.22 ng/ml

Response_ Signal: PL096553.D\ECD1A.ch



#19 Endosulfan Sulfate

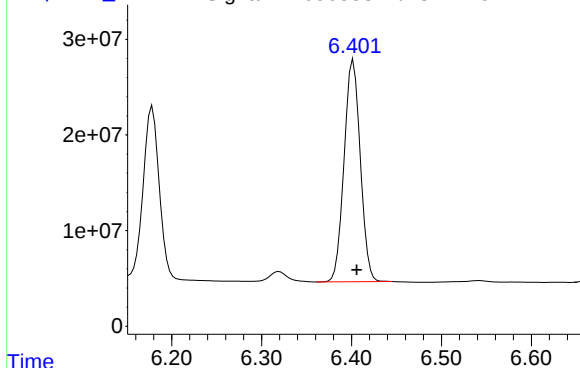
R.T.: 7.118 min
Delta R.T.: -0.002 min
Response: 152606521
Conc: 49.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

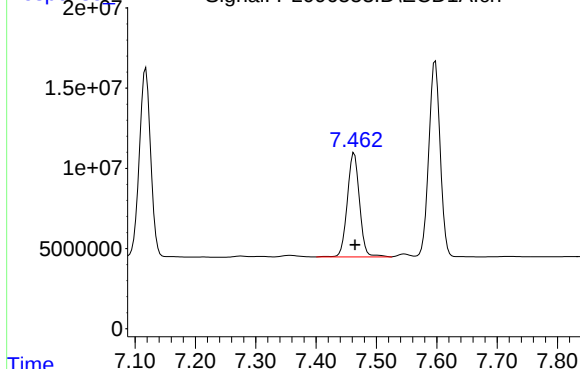
Response_ Signal: PL096553.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 290194786
Conc: 51.60 ng/ml

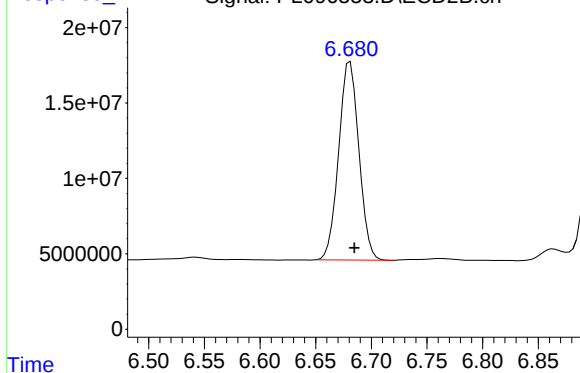
Response_ Signal: PL096553.D\ECD1A.ch



#20 Methoxychlor

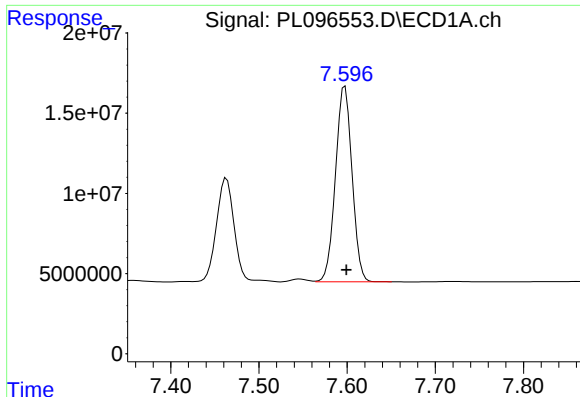
R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 91202144
Conc: 57.89 ng/ml

Response_ Signal: PL096553.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 166089509
Conc: 54.67 ng/ml



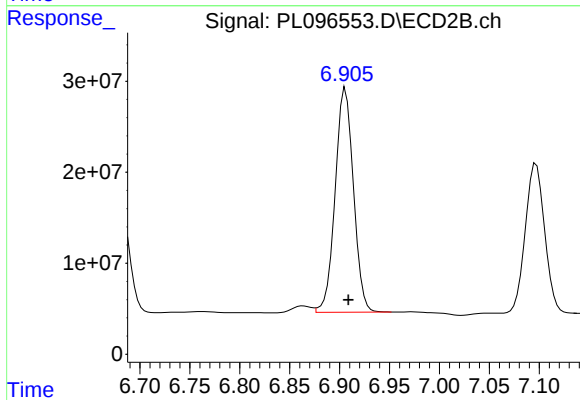
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.002 min
Response: 159348495
Conc: 48.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

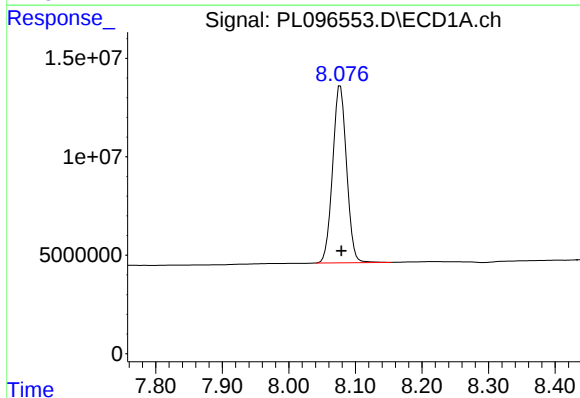
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



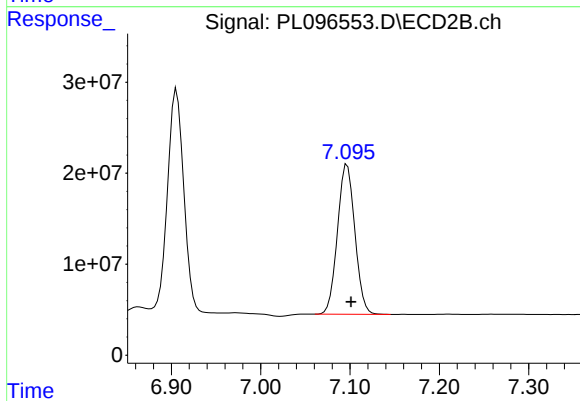
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 314501543
Conc: 50.30 ng/ml



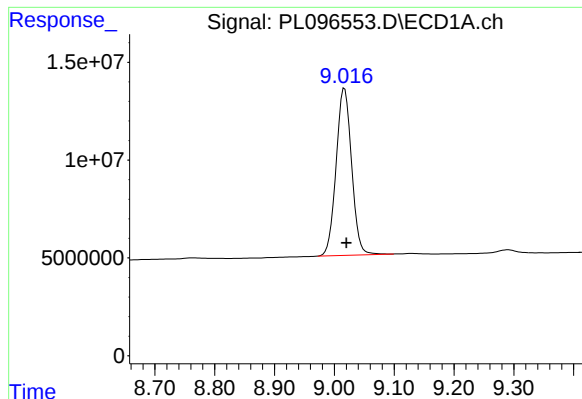
#22 Mirex

R.T.: 8.077 min
Delta R.T.: -0.001 min
Response: 130847212
Conc: 47.03 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 222623138
Conc: 44.81 ng/ml



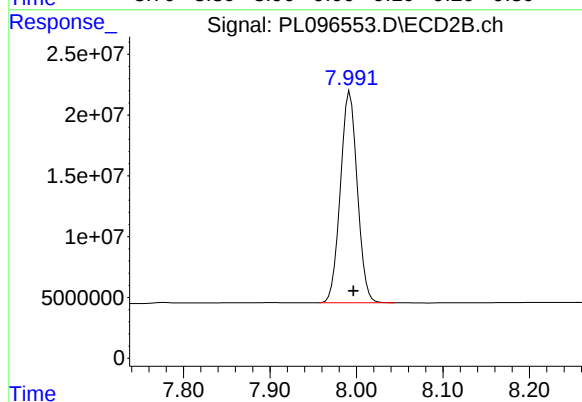
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: -0.003 min
Response: 154004756
Conc: 54.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 234795648
Conc: 47.09 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.: Q2641

Continuing Calib Date: 07/24/2025

Initial Calibration Date(s): 07/07/2025

07/07/2025

Continuing Calib Time: 18:51

Initial Calibration Time(s): 10:53

11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endrin	6.54	6.55	6.45	6.65	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Continuing Calib Date: 07/24/2025

Initial Calibration Date(s): 07/07/2025 07/07/2025

Continuing Calib Time: 18:51

Initial Calibration Time(s): 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.00
Heptachlor	4.02	4.02	3.92	4.12	0.01
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** ROYF02
Lab Code: ACE **SDG NO.:** Q2641
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096568.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.016	8.920	9.120	57.800	50.000	15.6
Endrin	6.543	6.445	6.645	57.090	50.000	14.2
gamma-BHC (Lindane)	4.312	4.213	4.413	56.850	50.000	13.7
Heptachlor	4.903	4.806	5.006	57.150	50.000	14.3
Heptachlor epoxide	5.663	5.565	5.765	57.210	50.000	14.4
Methoxychlor	7.461	7.364	7.564	59.290	50.000	18.6
Tetrachloro-m-xylene	3.536	3.438	3.638	56.140	50.000	12.3



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.:** Q2641
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/24/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096568.D **Time Analyzed:** 18:51

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	38.640	50.000	-22.7
Endrin	5.710	5.612	5.812	54.160	50.000	8.3
gamma-BHC (Lindane)	3.666	3.567	3.767	58.700	50.000	17.4
Heptachlor	4.015	3.917	4.117	56.670	50.000	13.3
Heptachlor epoxide	4.800	4.702	4.902	55.590	50.000	11.2
Methoxychlor	6.682	6.584	6.784	59.020	50.000	18.0
Tetrachloro-m-xylene	2.829	2.729	2.929	58.000	50.000	16.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096568.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 18:51
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/25/2025
 Supervised By : mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:35:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.829	204.9E6	334.7E6	56.143	58.000
2)	SA Decachlor...	9.016	7.993	162.6E6	192.7E6	57.803	38.644 #
Target Compounds							
2)	A alpha-BHC	3.983	3.334	298.1E6	505.1E6	57.968	59.885
3)	MA gamma-BHC...	4.312	3.666	283.1E6	462.3E6	56.848	58.697
4)	MA Heptachlor	4.903	4.015	261.8E6	431.2E6	57.145	56.673
5)	MB Aldrin	5.243	4.298	263.5E6	422.6E6	54.518	57.922
6)	B beta-BHC	4.498	3.962	117.5E6	192.6E6	56.523	56.245
7)	B delta-BHC	4.744	4.195	261.2E6	446.9E6	58.296	58.020
8)	B Heptachlo...	5.663	4.800	237.4E6	371.6E6	57.211	55.590
9)	A Endosulfan I	6.044	5.171	220.3E6	333.3E6	54.562	46.457
10)	B gamma-Chl...	5.915	5.052	238.3E6	388.3E6	53.847m	55.310
11)	B alpha-Chl...	5.997	5.116	243.1E6	378.4E6	55.522	50.320
12)	B 4,4'-DDE	6.167	5.305	203.3E6	353.2E6	54.839	54.648
13)	MA Dieldrin	6.317	5.435	228.4E6	378.6E6	54.026	55.519m
14)	MA Endrin	6.543	5.710	177.6E6	330.2E6	57.091	54.164
15)	B Endosulfa...	6.755	6.002	182.3E6	311.2E6	52.530m	53.075
16)	A 4,4'-DDD	6.674	5.857	172.5E6	300.1E6	59.239m	58.520
17)	MA 4,4'-DDT	6.990	6.110	154.4E6	267.3E6	50.867	46.614
18)	B Endrin al...	6.883	6.180	127.5E6	231.7E6	57.042m	52.006
19)	B Endosulfa...	7.118	6.403	160.2E6	308.8E6	52.364	54.896
20)	A Methoxychlor	7.461	6.682	93403166	179.3E6	59.289m	59.016
21)	B Endrin ke...	7.598	6.908	171.9E6	350.5E6	52.080	56.064
22)	Mirex	8.077	7.098	134.3E6	237.0E6	48.269	47.698

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:51
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

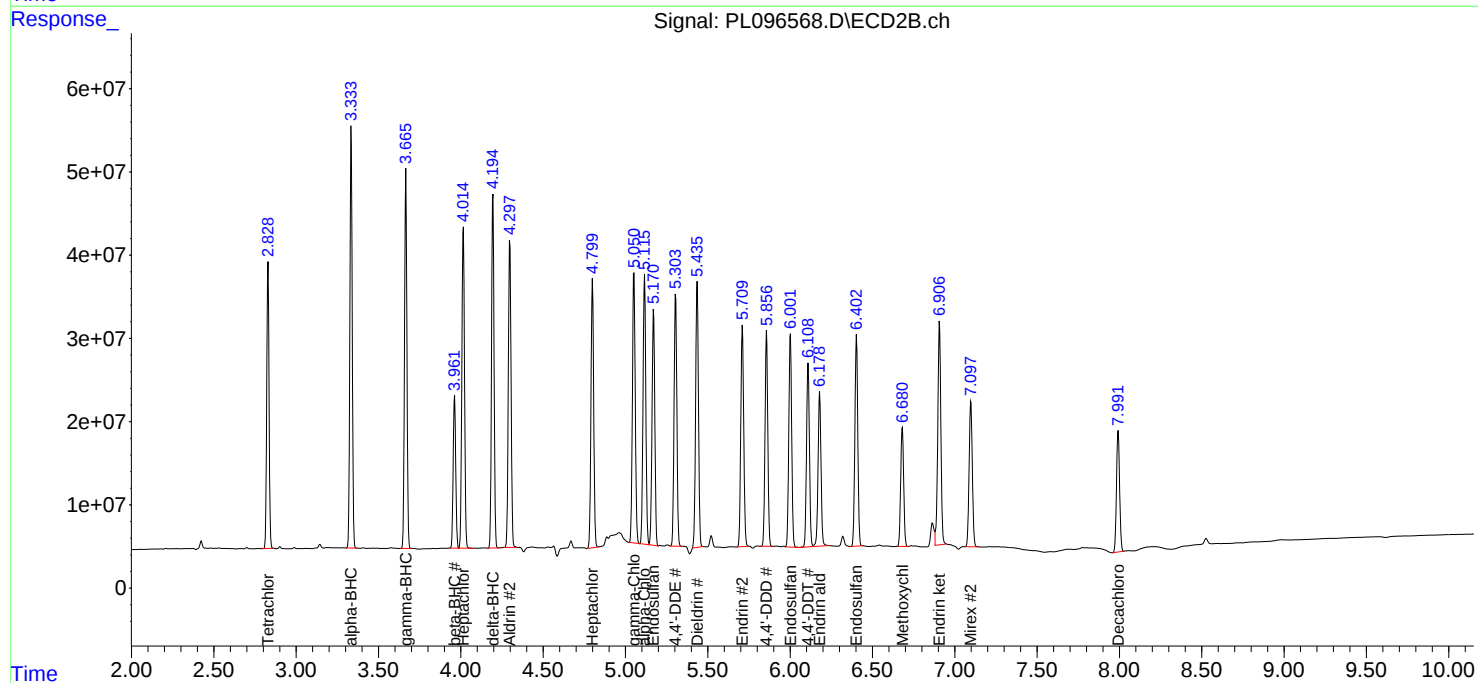
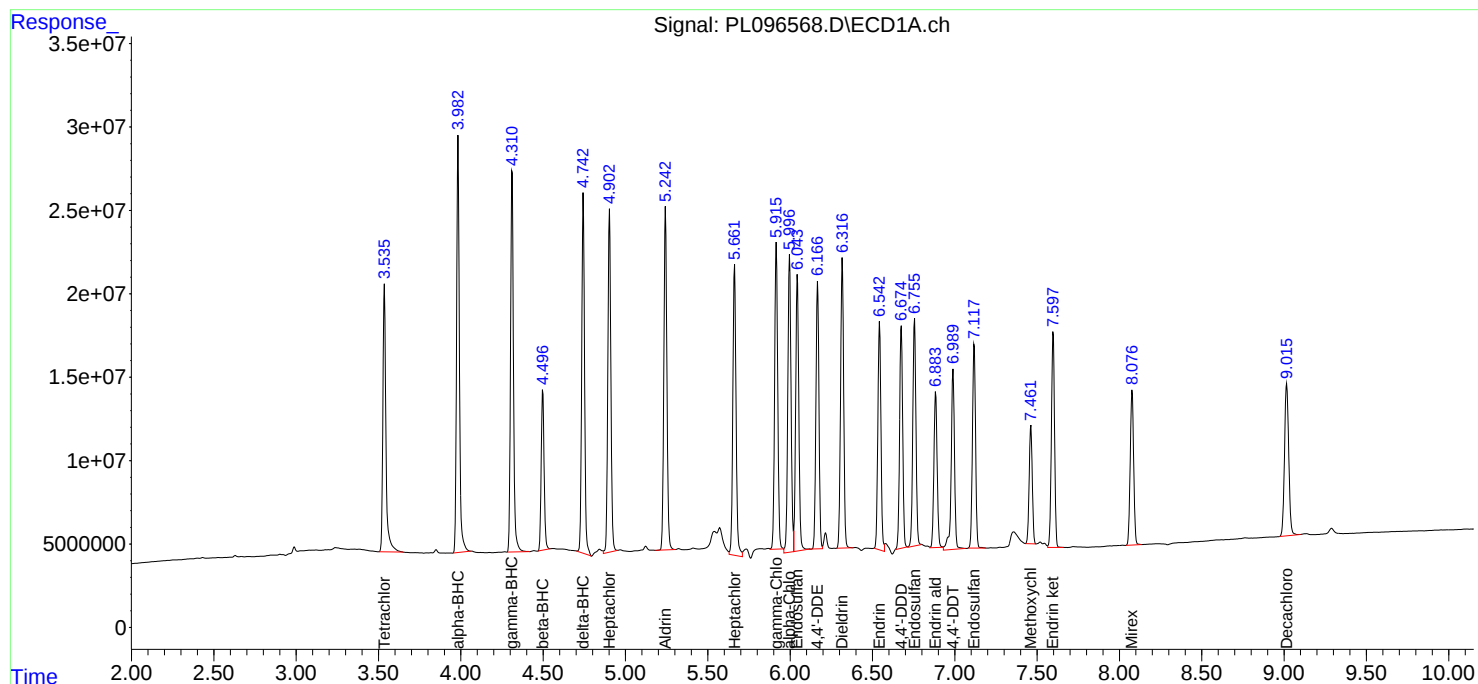
APPROVED

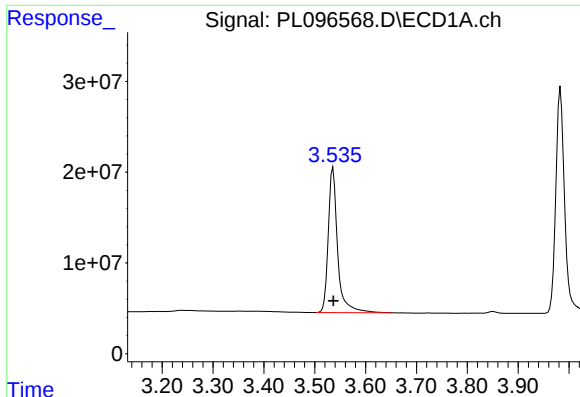
Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:35:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





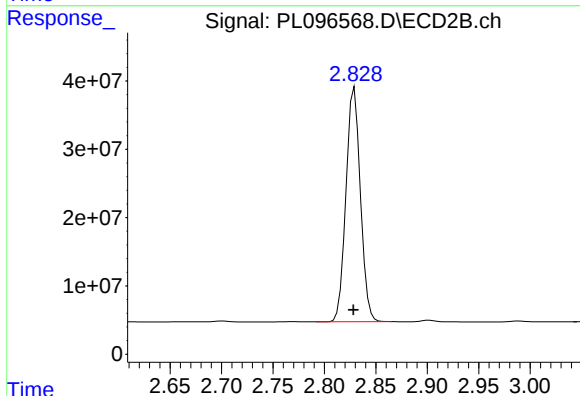
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 204862861
Conc: 56.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

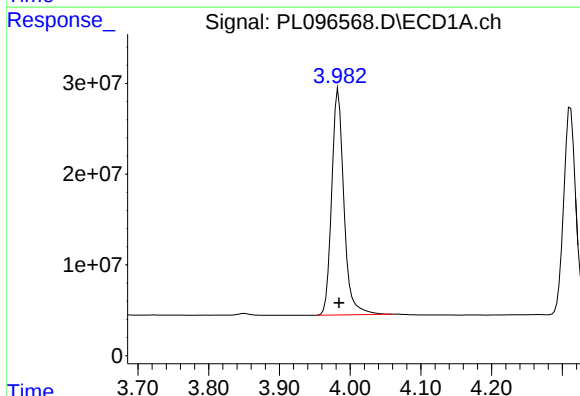
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



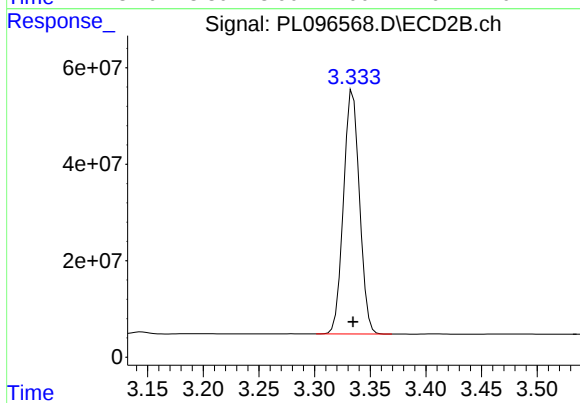
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 334733499
Conc: 58.00 ng/ml



#2 alpha-BHC

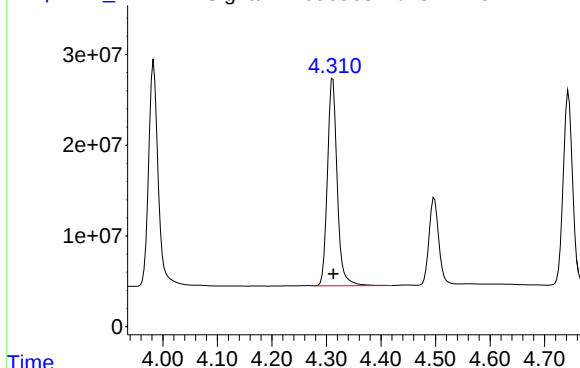
R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 298138699
Conc: 57.97 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 505091022
Conc: 59.89 ng/ml

Response_ Signal: PL096568.D\ECD1A.ch



#3 gamma-BHC (Lindane)

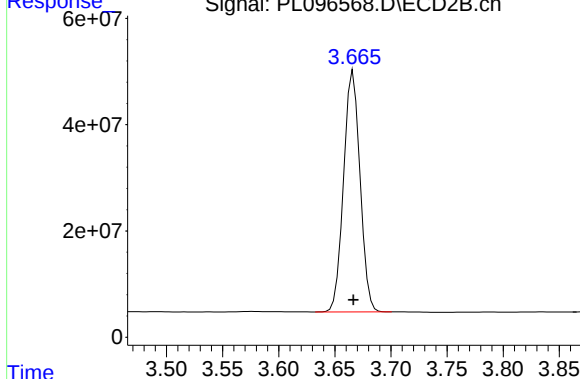
R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 283084151
Conc: 56.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

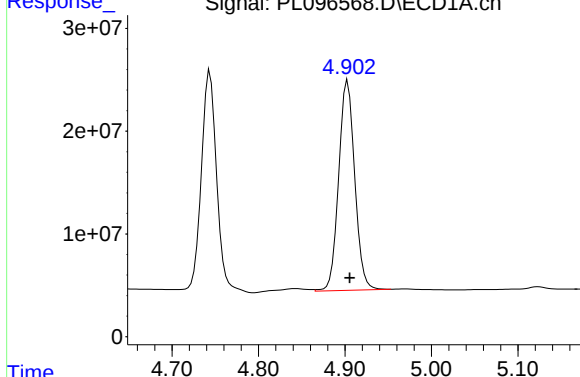
Time Response_ Signal: PL096568.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 462289330
Conc: 58.70 ng/ml

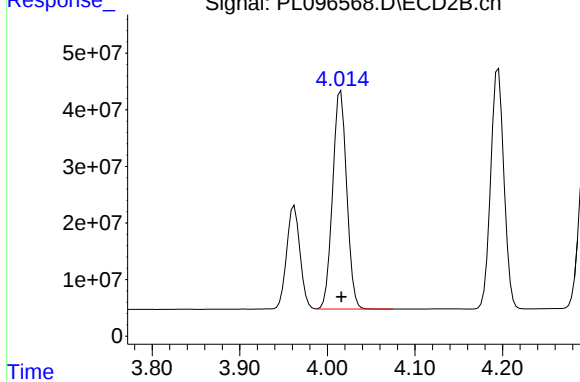
Time Response_ Signal: PL096568.D\ECD1A.ch



#4 Heptachlor

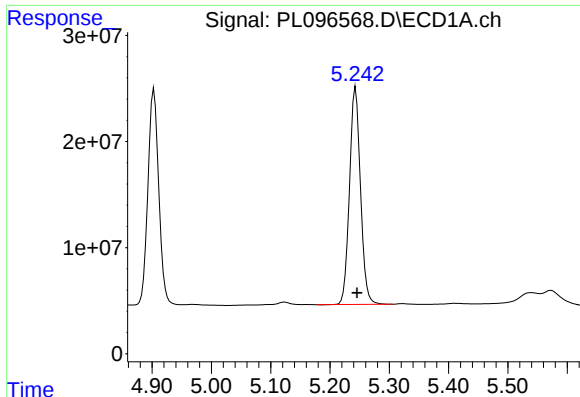
R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 261794707
Conc: 57.15 ng/ml

Time Response_ Signal: PL096568.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 431150919
Conc: 56.67 ng/ml



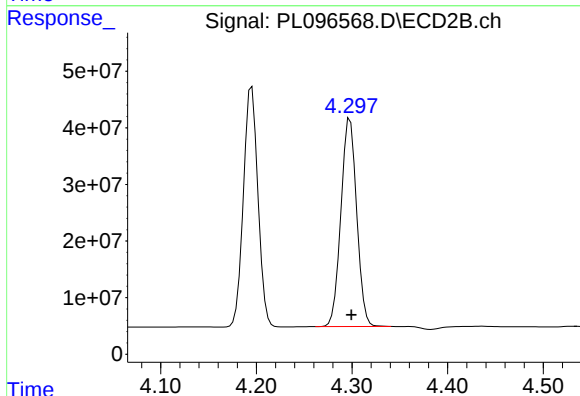
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 263523794
Conc: 54.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

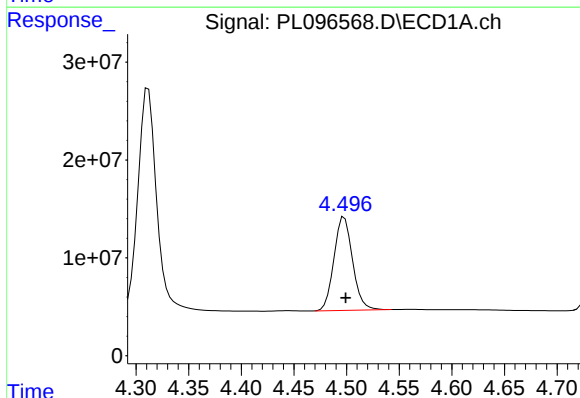
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



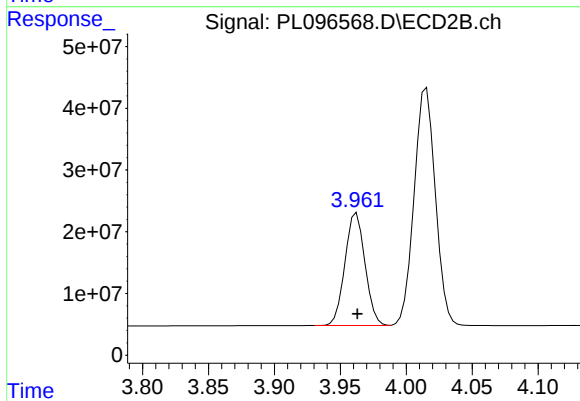
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 422580167
Conc: 57.92 ng/ml



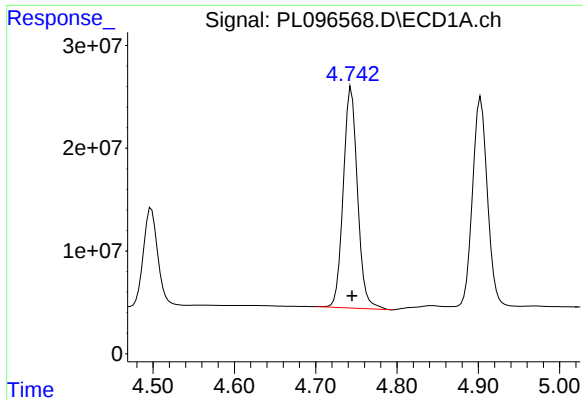
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.002 min
Response: 117500676
Conc: 56.52 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 192578033
Conc: 56.25 ng/ml



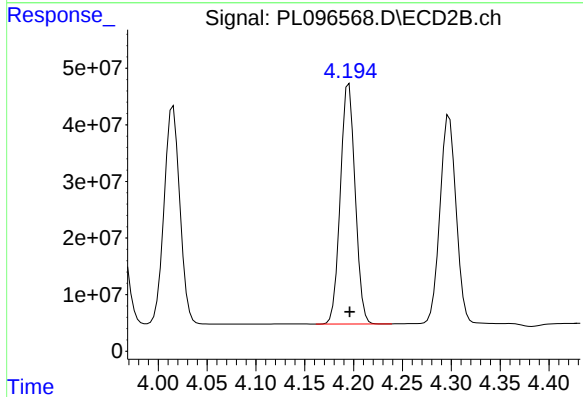
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 261242631
Conc: 58.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

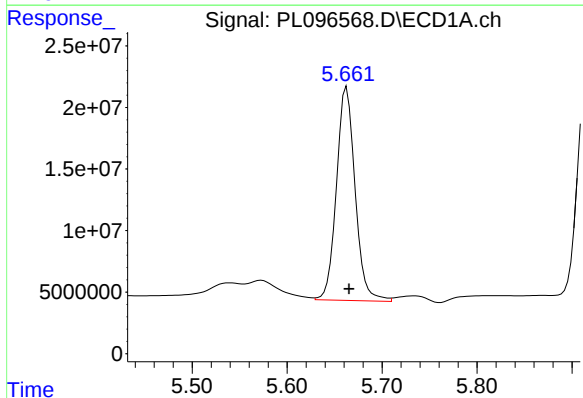
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



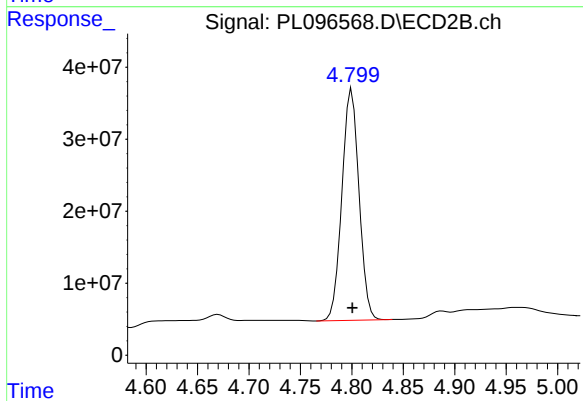
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 446863878
Conc: 58.02 ng/ml



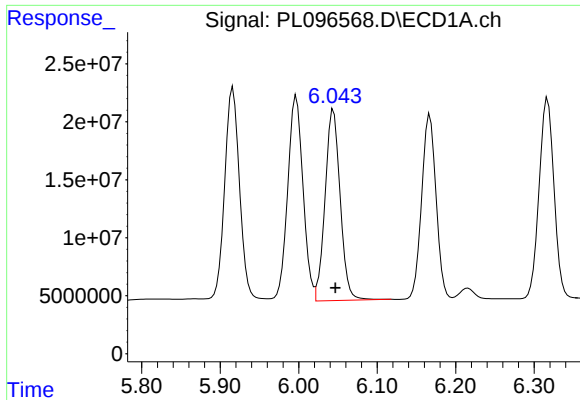
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 237375560
Conc: 57.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 371613664
Conc: 55.59 ng/ml



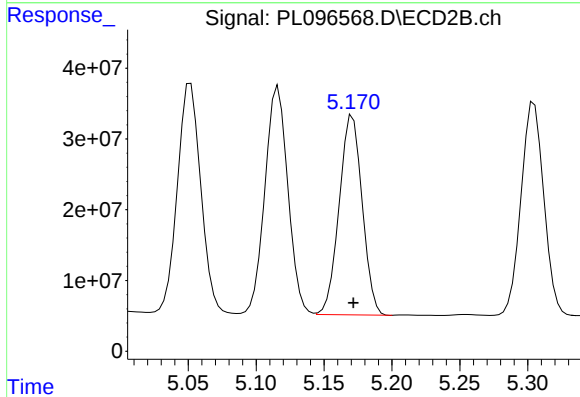
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.002 min
Response: 220282307
Conc: 54.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

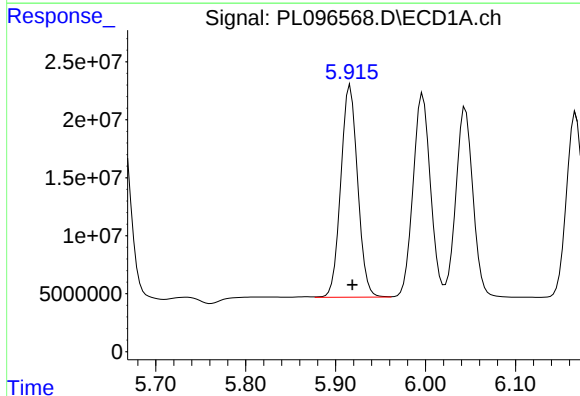
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



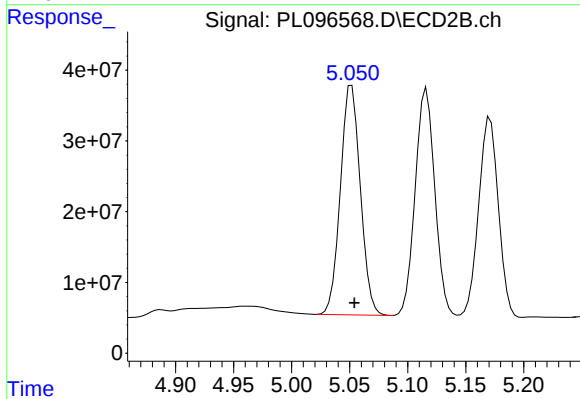
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 333285825
Conc: 46.46 ng/ml



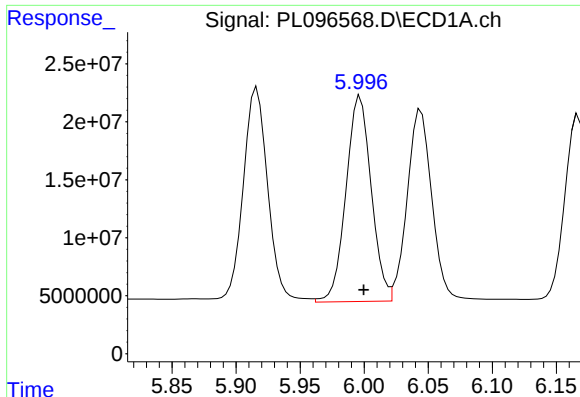
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.004 min
Response: 238262486
Conc: 53.85 ng/ml m



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 388257835
Conc: 55.31 ng/ml



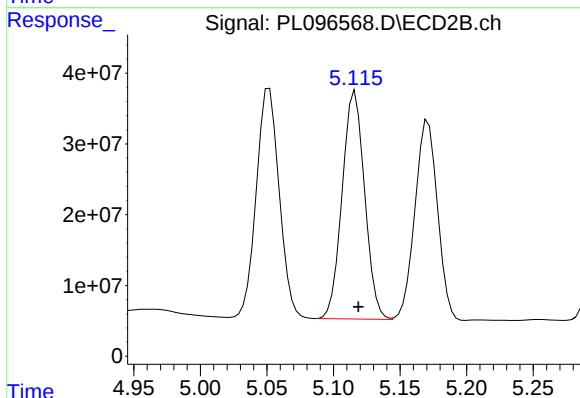
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 243123113
Conc: 55.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

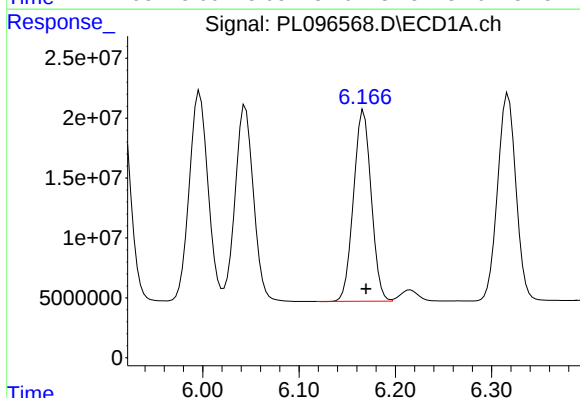
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



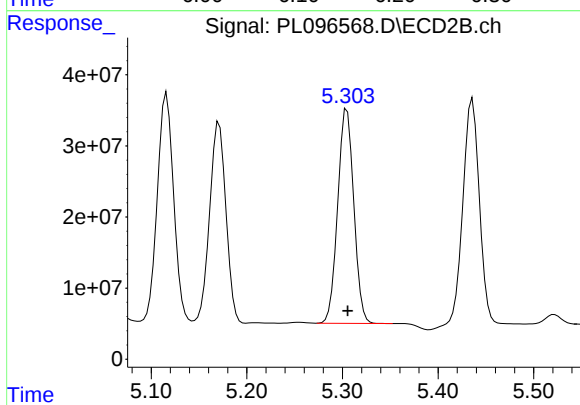
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 378417600
Conc: 50.32 ng/ml



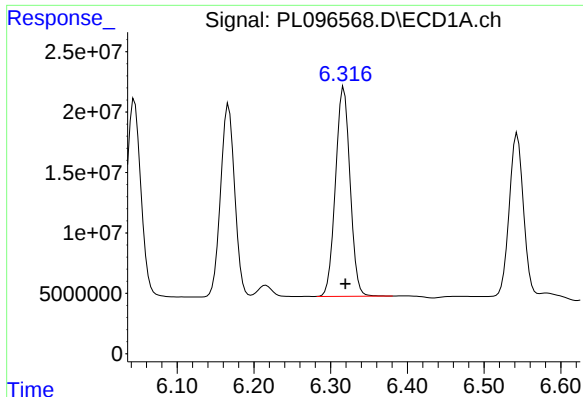
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.002 min
Response: 203314347
Conc: 54.84 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 353230616
Conc: 54.65 ng/ml



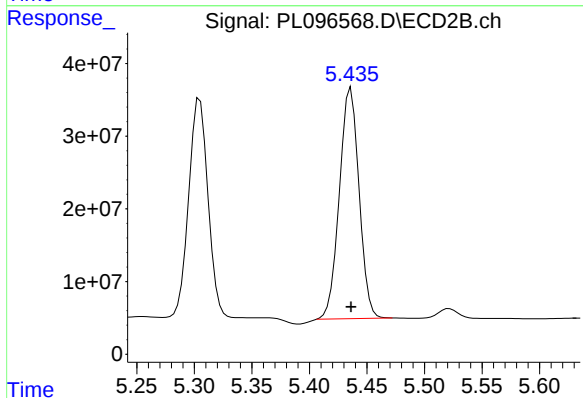
#13 Dieldrin

R.T.: 6.317 min
Delta R.T.: -0.002 min
Response: 228445482
Conc: 54.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

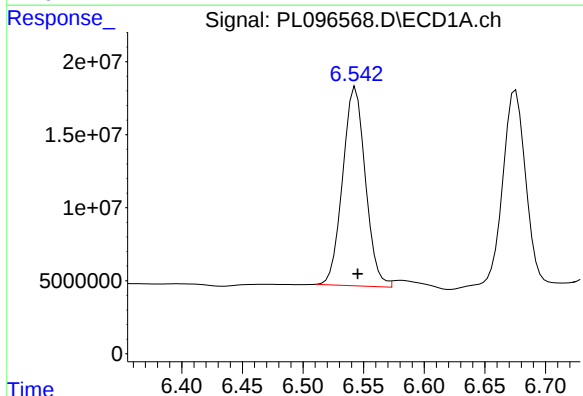
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



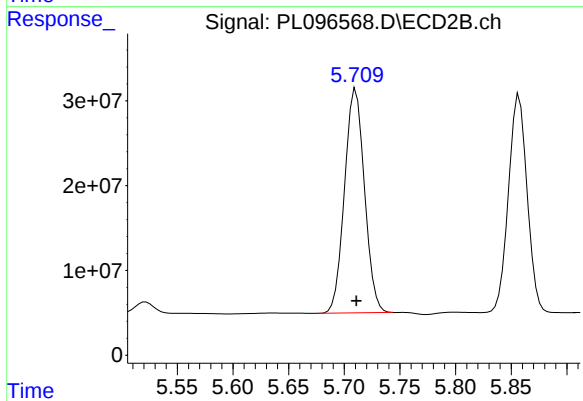
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 378596275
Conc: 55.52 ng/ml m



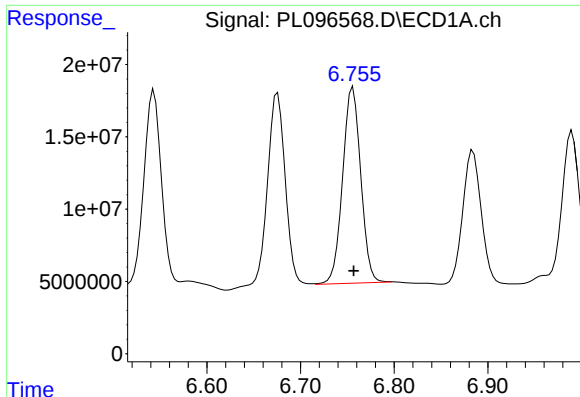
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 177564745
Conc: 57.09 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 330212191
Conc: 54.16 ng/ml



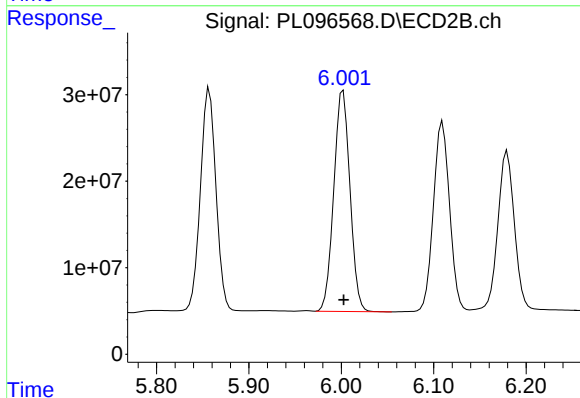
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 182282129
Conc: 52.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

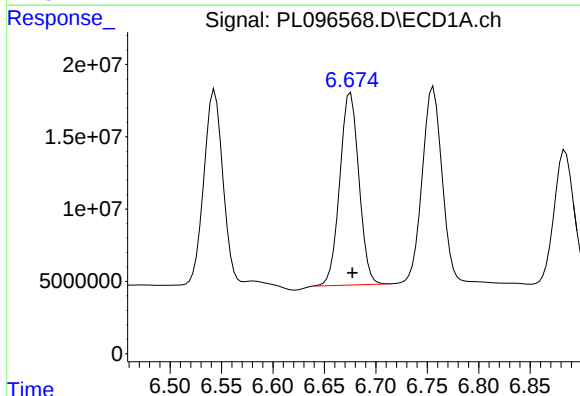
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



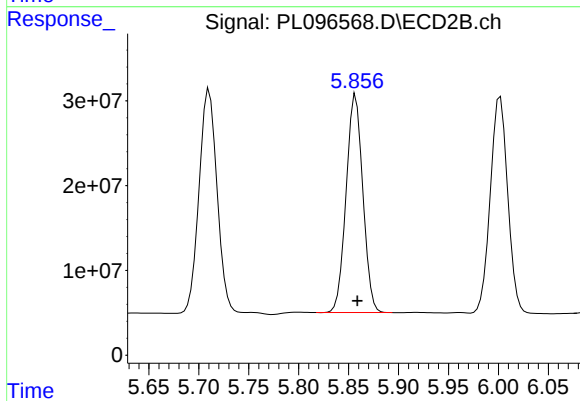
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 311223280
Conc: 53.07 ng/ml



#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 172486454
Conc: 59.24 ng/ml m

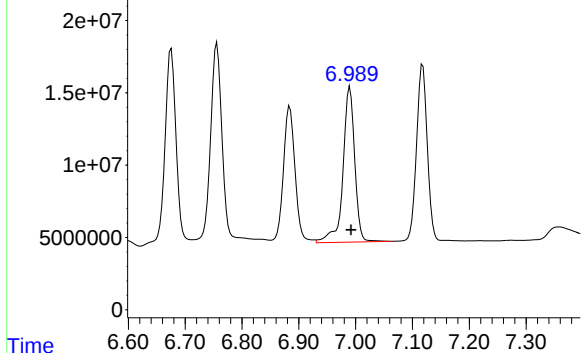


#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 300128804
Conc: 58.52 ng/ml

Response_ Signal: PL096568.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 154391147
Conc: 50.87 ng/ml

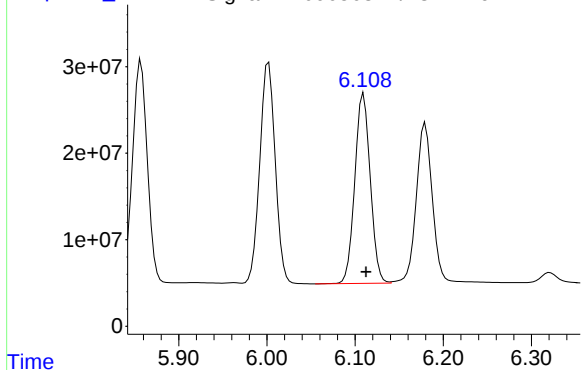
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Response_ Signal: PL096568.D\ECD2B.ch

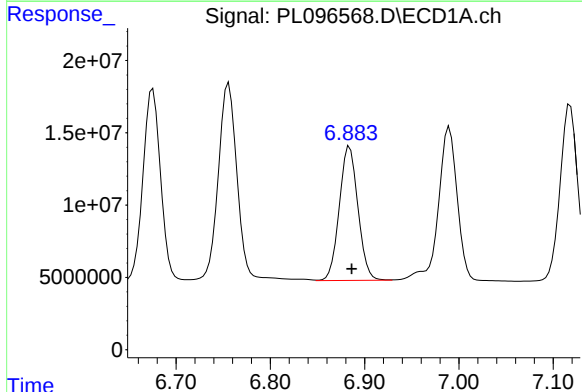
#17 4,4'-DDT



R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 267338827
Conc: 46.61 ng/ml

Response_ Signal: PL096568.D\ECD1A.ch

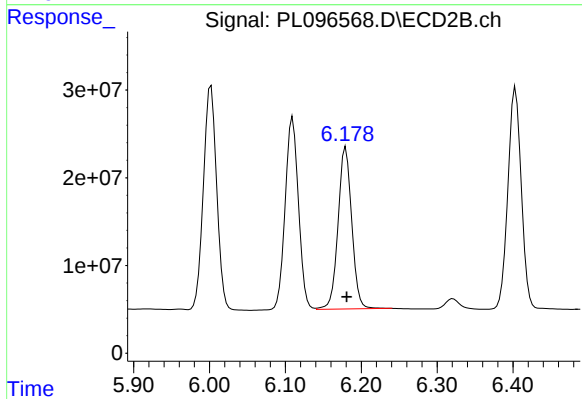
#18 Endrin aldehyde



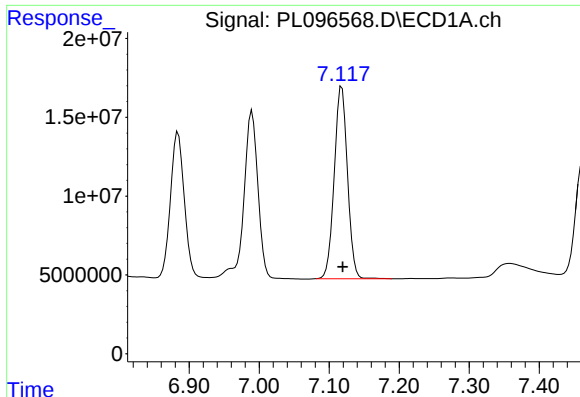
R.T.: 6.883 min
Delta R.T.: -0.004 min
Response: 127519633
Conc: 57.04 ng/ml m

Response_ Signal: PL096568.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 231666567
Conc: 52.01 ng/ml



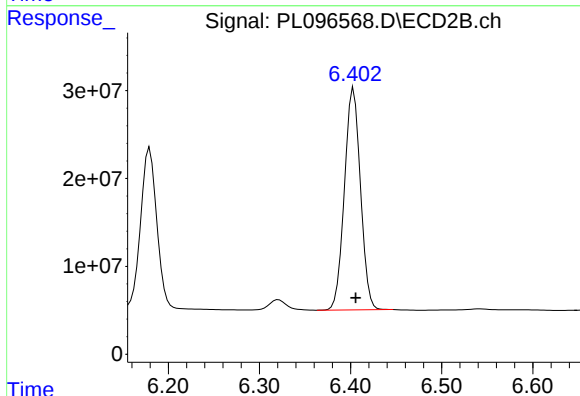
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: -0.001 min
Response: 160174492
Conc: 52.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

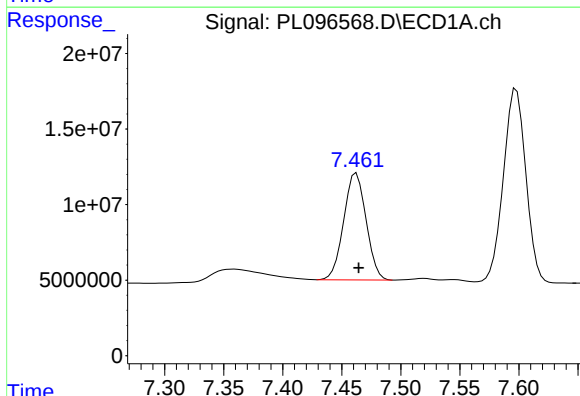
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



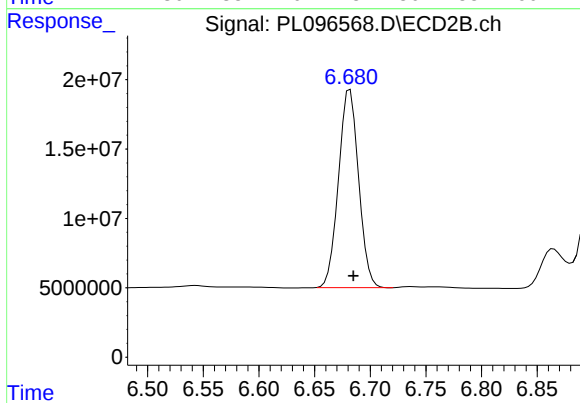
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 308755457
Conc: 54.90 ng/ml



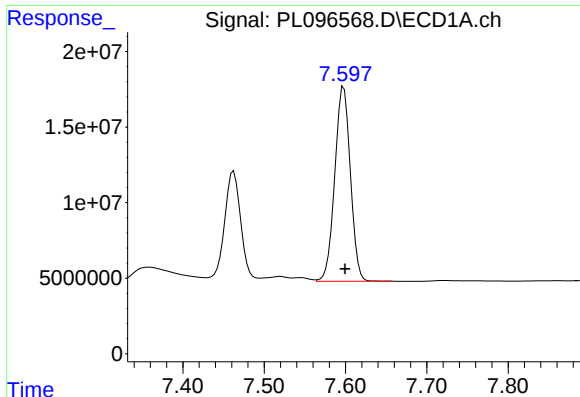
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.004 min
Response: 93403166
Conc: 59.29 ng/ml m



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 179276593
Conc: 59.02 ng/ml



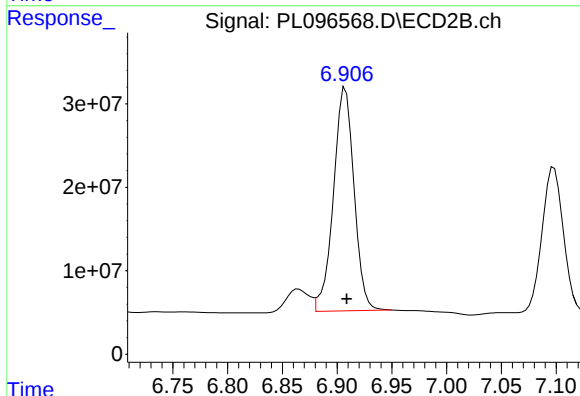
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.001 min
Response: 171949859
Conc: 52.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

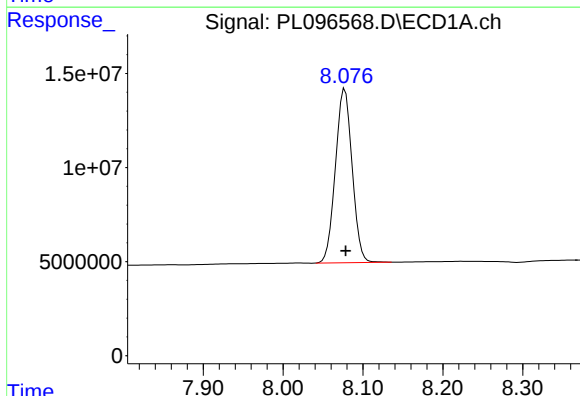
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



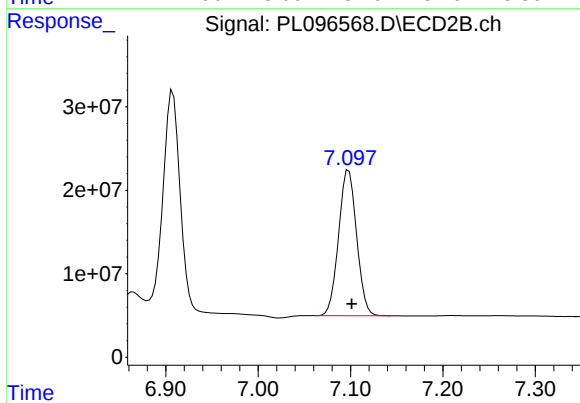
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 350525834
Conc: 56.06 ng/ml



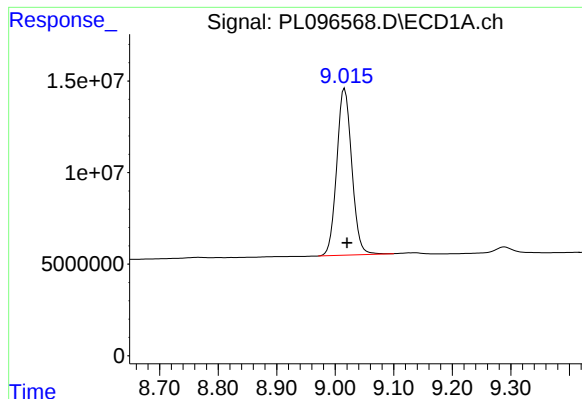
#22 Mirex

R.T.: 8.077 min
Delta R.T.: -0.001 min
Response: 134295972
Conc: 48.27 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 236973006
Conc: 47.70 ng/ml



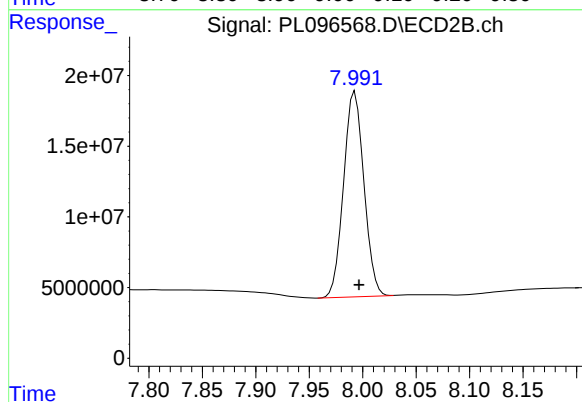
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 162603133
Conc: 57.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 192698357
Conc: 38.64 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096238.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.020	8.920	9.120	21.820	20.000	9.1
Tetrachloro-m-xylene	3.537	3.490	3.590	20.640	20.000	3.2
alpha-BHC	3.985	3.930	4.040	10.150	10.000	1.5
beta-BHC	4.500	4.450	4.550	10.650	10.000	6.5
gamma-BHC (Lindane)	4.313	4.260	4.360	10.640	10.000	6.4
Endrin	6.546	6.480	6.620	55.200	50.000	10.4
4,4'-DDT	6.992	6.920	7.060	106.050	100.000	6.1
Methoxychlor	7.465	7.390	7.540	251.880	250.000	0.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096238.D Date Analyzed: 07/07/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.996	7.900	8.100	21.970	20.000	9.9
Tetrachloro-m-xylene	2.829	2.780	2.880	21.010	20.000	5.1
alpha-BHC	3.335	3.280	3.390	10.410	10.000	4.1
beta-BHC	3.963	3.910	4.010	10.960	10.000	9.6
gamma-BHC (Lindane)	3.667	3.620	3.720	10.560	10.000	5.6
Endrin	5.713	5.640	5.780	55.380	50.000	10.8
4,4'-DDT	6.113	6.040	6.180	113.720	100.000	13.7
Methoxychlor	6.685	6.610	6.760	248.840	250.000	-0.5

Data File: PEM
 PL096238.D Date Acquired 7/7/2025 10:26
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.55	171686206.6	184393664.9	12707458.3	6.89
Endrin aldehyde	6.89	3352023.736			
Endrin ketone	7.60	9355434.607			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	337605120.7	345602858.2	7997737.54	2.31
Endrin aldehyde #2	6.18	4525238.004			
Endrin ketone #2	6.91	3472499.537			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	321893056.5	329724639.4	7831582.88	2.38
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	7831582.884			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	652208058	654720571.4	2512513.38	0.38
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	2512513.383			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:26
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:27:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	75321177	121.3E6	20.642	21.009
28)	SA Decachlor...	9.020	7.996	61373713	109.6E6	21.817	21.972
Target Compounds							
2)	A alpha-BHC	3.985	3.335	52179910	87832663	10.146	10.414
3)	MA gamma-BHC...	4.313	3.667	52975484	83194325	10.638	10.563
6)	B beta-BHC	4.500	3.963	22129275	37541154	10.645	10.964
14)	MA Endrin	6.546	5.713	171.7E6	337.6E6	55.201	55.377
16)	A 4,4'-DDD	6.678	5.861	7831583	2512513	2.690m	0.490m#
17)	MA 4,4'-DDT	6.992	6.113	321.9E6	652.2E6	106.053	113.722
18)	B Endrin al...	6.888	6.184	3352024	4525238	1.499m	1.016m#
20)	A Methoxychlor	7.465	6.685	396.8E6	755.9E6	251.881	248.841
21)	B Endrin ke...	7.600	6.908	9355435	3472500	2.834	0.555m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

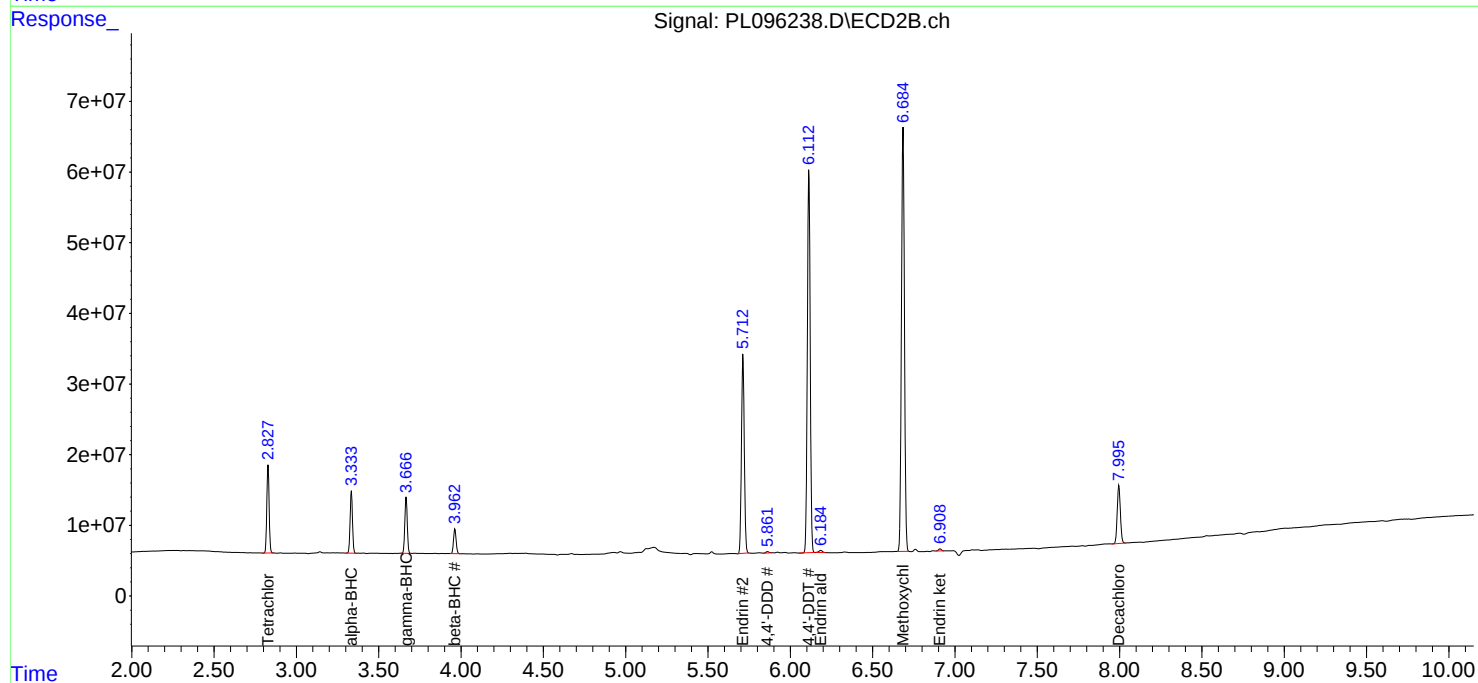
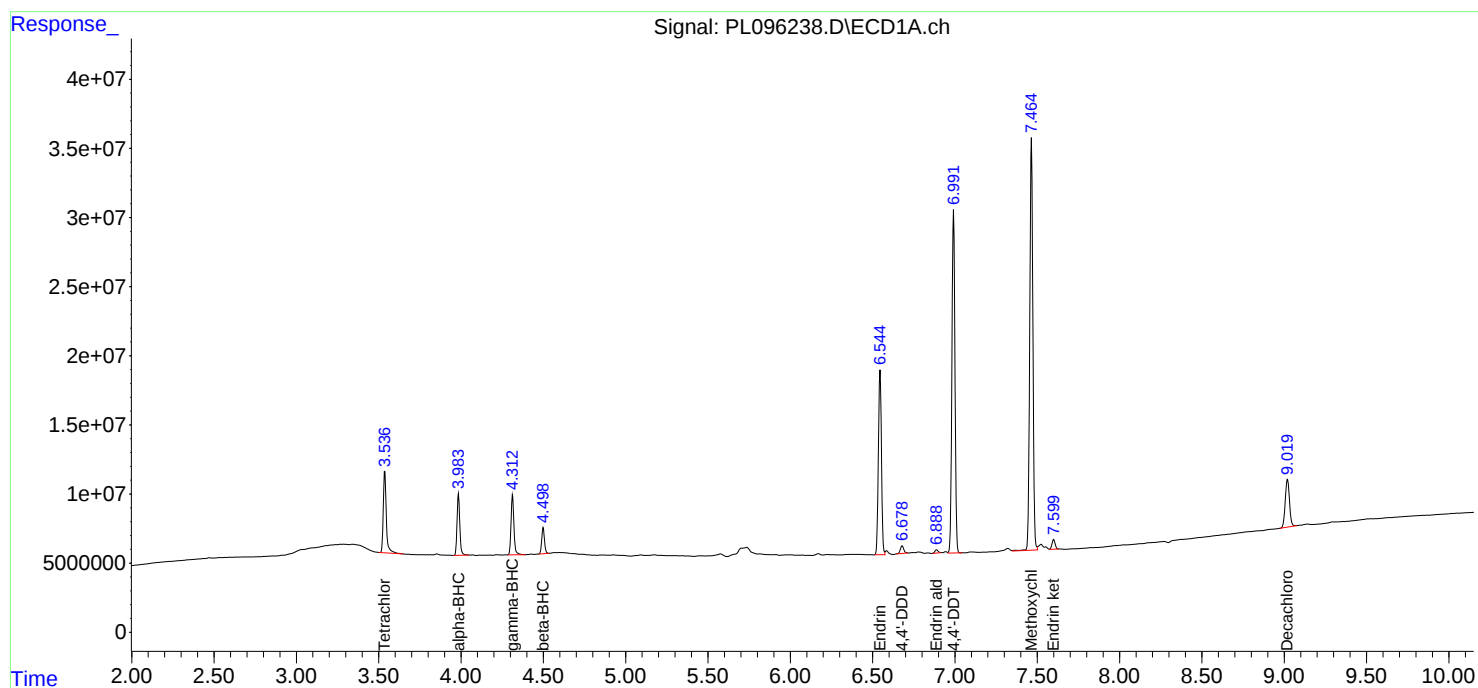
Instrument :
ECD_L
ClientSampleId :
PEM

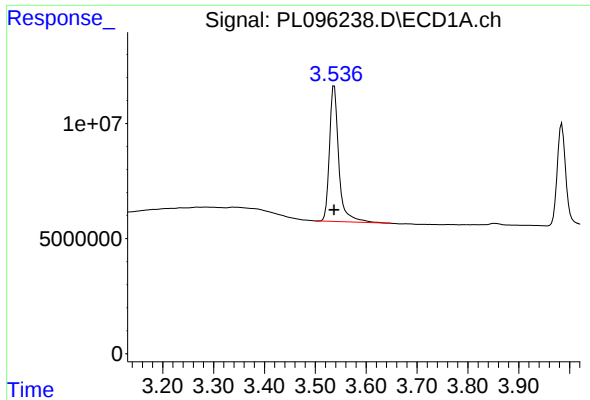
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





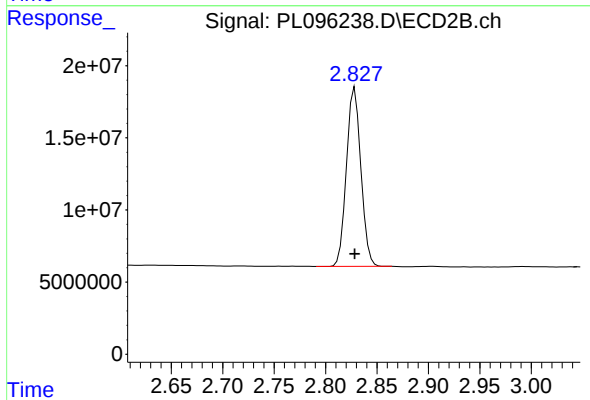
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 75321177
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

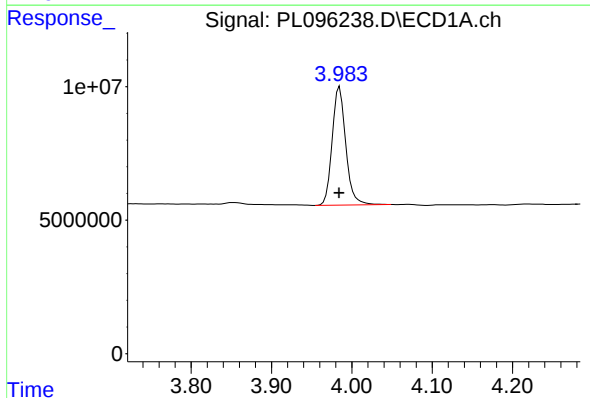
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



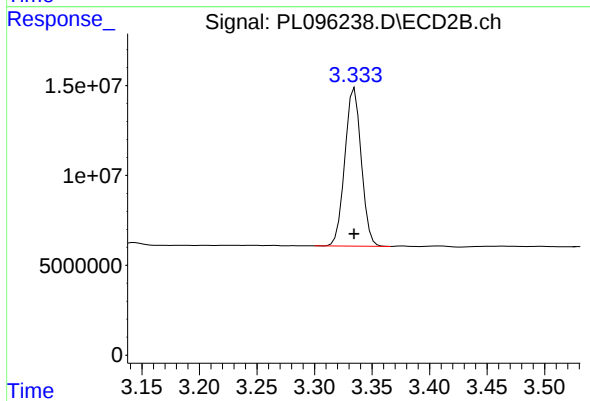
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 121250157
Conc: 21.01 ng/ml



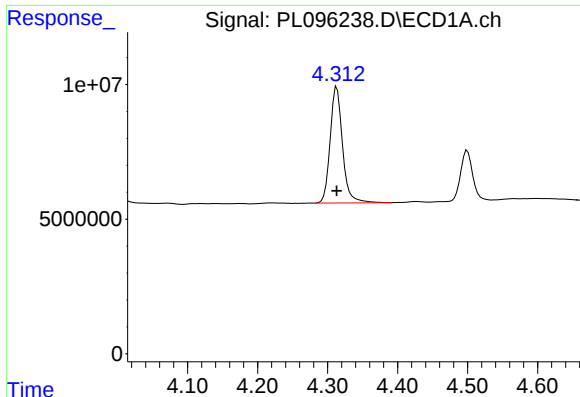
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 52179910
Conc: 10.15 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 87832663
Conc: 10.41 ng/ml



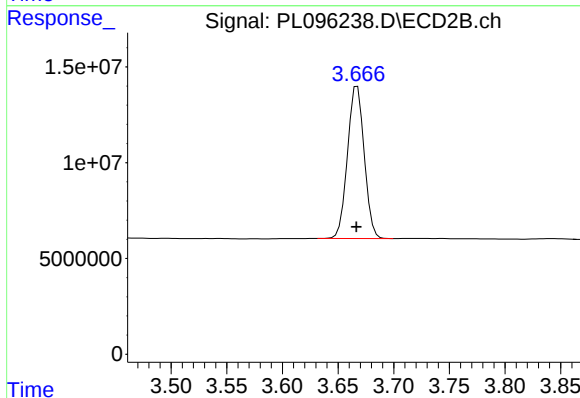
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 52975484
Conc: 10.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

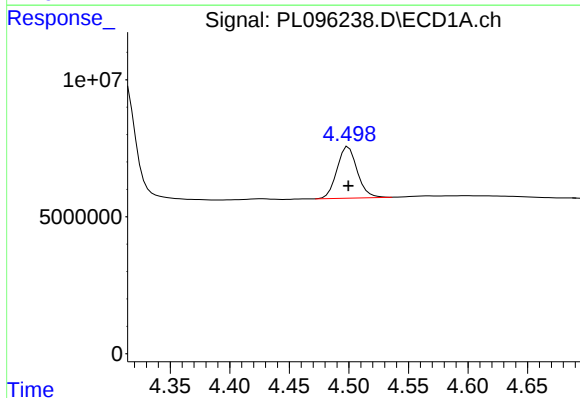
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



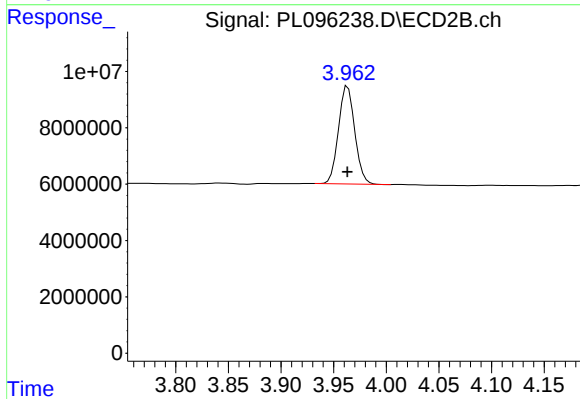
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 83194325
Conc: 10.56 ng/ml



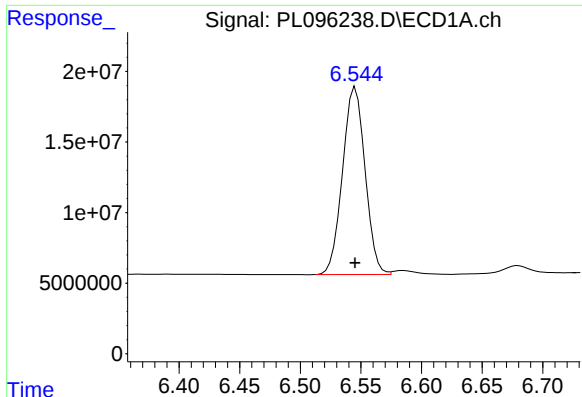
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 22129275
Conc: 10.65 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 37541154
Conc: 10.96 ng/ml



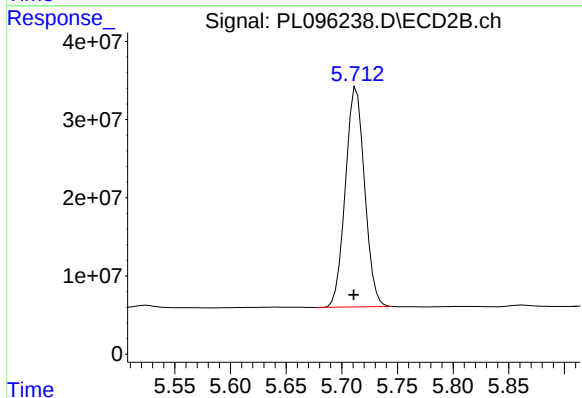
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 171686207
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

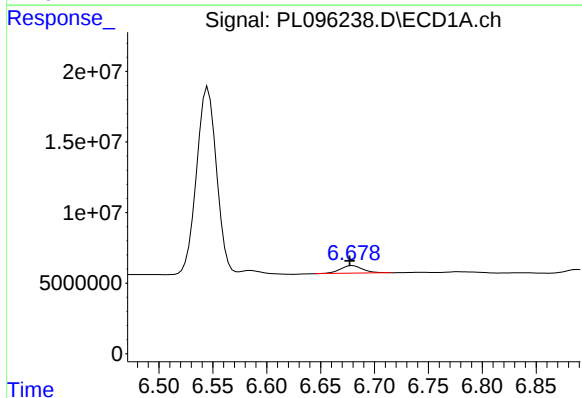
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



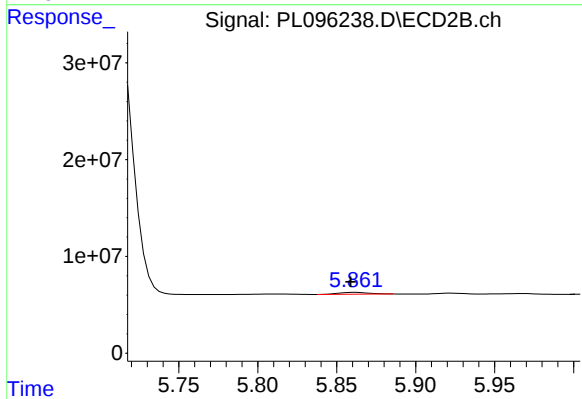
#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 337605121
Conc: 55.38 ng/ml



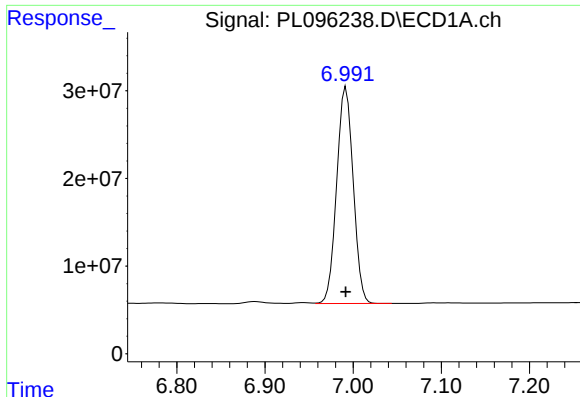
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.001 min
Response: 7831583
Conc: 2.69 ng/ml m



#16 4,4'-DDD

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 2512513
Conc: 0.49 ng/ml m



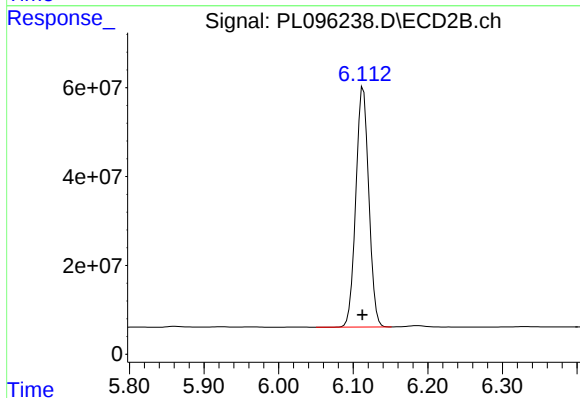
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 321893056
Conc: 106.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

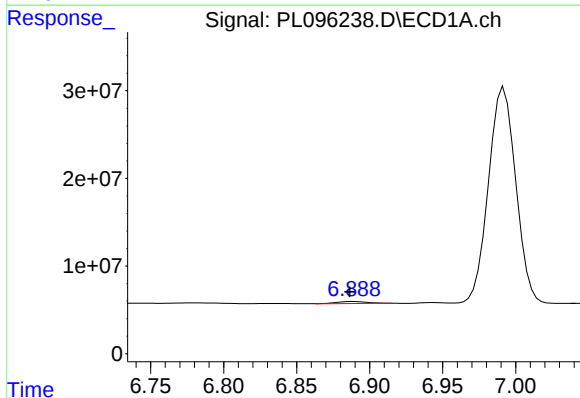
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



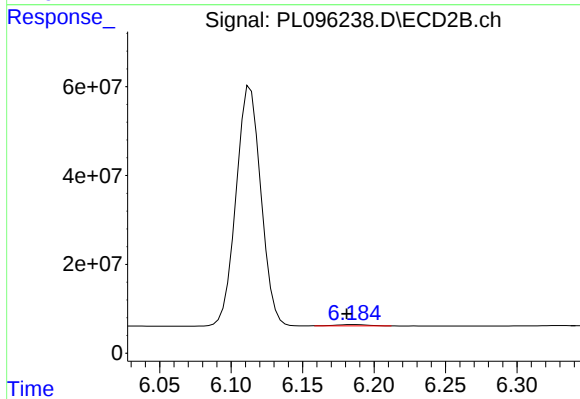
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 652208058
Conc: 113.72 ng/ml



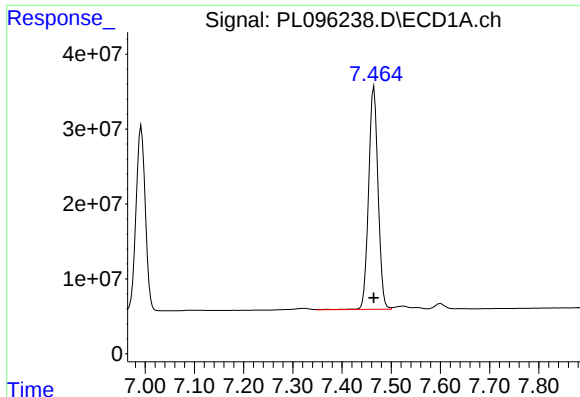
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.001 min
Response: 3352024
Conc: 1.50 ng/ml m



#18 Endrin aldehyde

R.T.: 6.184 min
Delta R.T.: 0.004 min
Response: 4525238
Conc: 1.02 ng/ml m



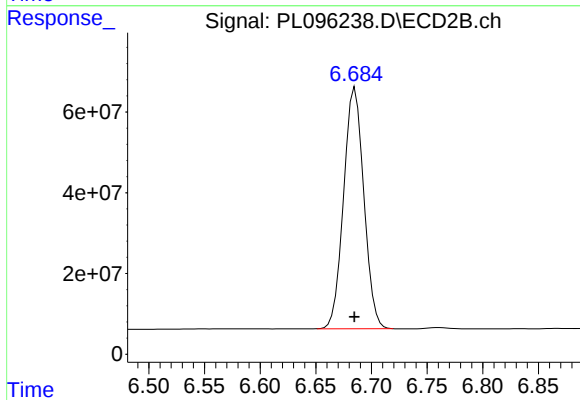
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 396812893
Conc: 251.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

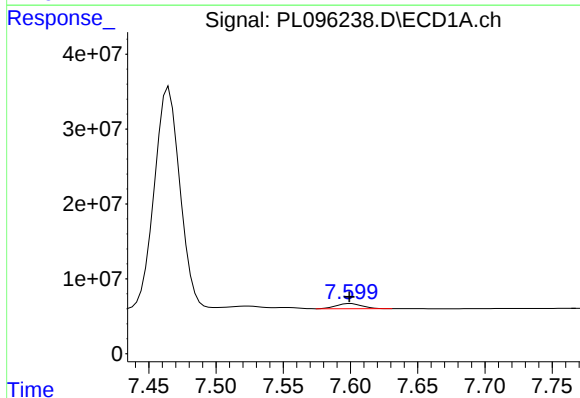
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



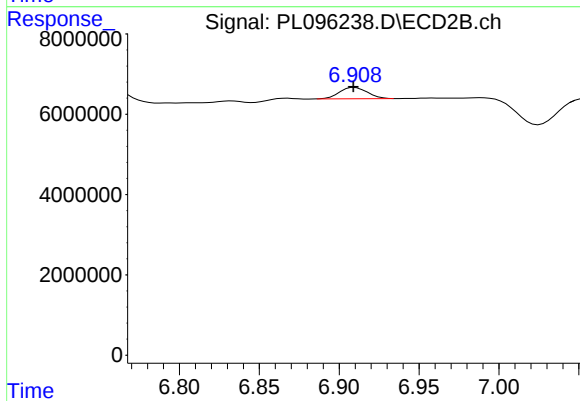
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 755922283
Conc: 248.84 ng/ml



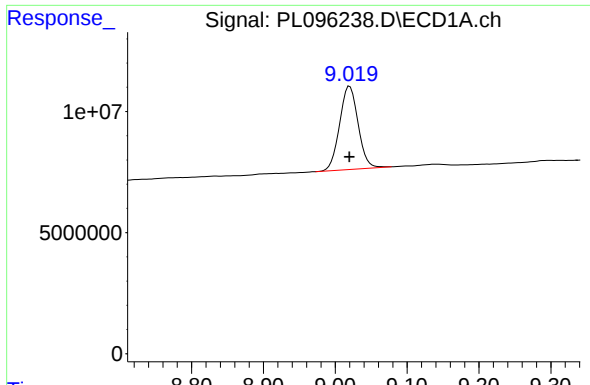
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 9355435
Conc: 2.83 ng/ml



#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 3472500
Conc: 0.56 ng/ml m



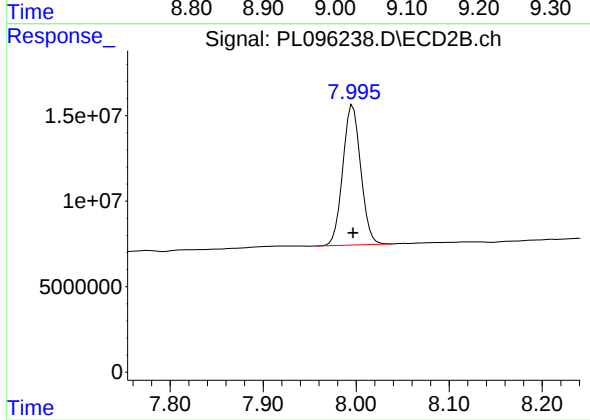
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 61373713
Conc: 21.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 109564299
Conc: 21.97 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096552.D Date Analyzed: 07/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:56

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.013	8.910	9.110	19.760	20.000	-1.2
Tetrachloro-m-xylene	3.534	3.480	3.580	21.860	20.000	9.3
alpha-BHC	3.982	3.930	4.030	10.780	10.000	7.8
beta-BHC	4.496	4.450	4.550	11.640	10.000	16.4
gamma-BHC (Lindane)	4.309	4.260	4.360	11.060	10.000	10.6
Endrin	6.541	6.470	6.610	49.940	50.000	-0.1
4,4'-DDT	6.988	6.920	7.060	84.700	100.000	-15.3
Methoxychlor	7.461	7.390	7.530	201.090	250.000	-19.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/07/2025 07/07/2025

Client Sample No. (PEM): PEM - PL096552.D Date Analyzed: 07/24/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:56

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.990	7.890	8.090	16.980	20.000	-15.1
Tetrachloro-m-xylene	2.827	2.780	2.880	22.440	20.000	12.2
alpha-BHC	3.332	3.280	3.380	11.170	10.000	11.7
beta-BHC	3.960	3.910	4.010	11.760	10.000	17.6
gamma-BHC (Lindane)	3.664	3.610	3.710	11.230	10.000	12.3
Endrin	5.707	5.640	5.780	51.550	50.000	3.1
4,4'-DDT	6.107	6.040	6.180	88.230	100.000	-11.8
Methoxychlor	6.680	6.610	6.750	190.350	250.000	-23.9

Data File: PEM
 PL096552.D Date Acquired 7/24/2025 10:56
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.54	155335845	174067116.1	18731271.1	10.76
Endrin aldehyde	6.88	5603770.874			
Endrin ketone	7.59	13127500.22			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	314269914.4	354510248.6	40240334.2	11.35
Endrin aldehyde #2	6.18	14633735.73			
Endrin ketone #2	6.90	25606598.45			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	257087599.2	288248688.1	31161088.9	10.81
4,4'-DDE	6.16	2794566.69			
4,4'-DDD	6.67	28366522.18			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	506034807.3	555188941.3	49154134	8.85
4,4'-DDE #2	5.30	770962.042			
4,4'-DDD #2	5.85	48383171.95			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 10:56
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/25/2025
 Supervised By : mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:30:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.827	79759416	129.5E6	21.858	22.436
28)	SA Decachlor...	9.013	7.990	55587258	84646252	19.760	16.975
Target Compounds							
2)	A alpha-BHC	3.982	3.332	55419647	94208800	10.775	11.170
3)	MA gamma-BHC...	4.309	3.664	55050208	88448960	11.055	11.230
6)	B beta-BHC	4.496	3.960	24207094	40248093	11.645	11.755
12)	B 4,4'-DDE	6.163	5.303	2794567	770962	0.754m	0.119m#
14)	MA Endrin	6.541	5.707	155.3E6	314.3E6	49.944	51.549
16)	A 4,4'-DDD	6.673	5.855	28366522	48383172	9.742	9.434
17)	MA 4,4'-DDT	6.988	6.107	257.1E6	506.0E6	84.702	88.234
18)	B Endrin al...	6.885	6.178	5603771	14633736	2.507	3.285 #
20)	A Methoxychlor	7.461	6.680	316.8E6	578.3E6	201.094	190.354
21)	B Endrin ke...	7.595	6.904	13127500	25606598	3.976	4.096

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

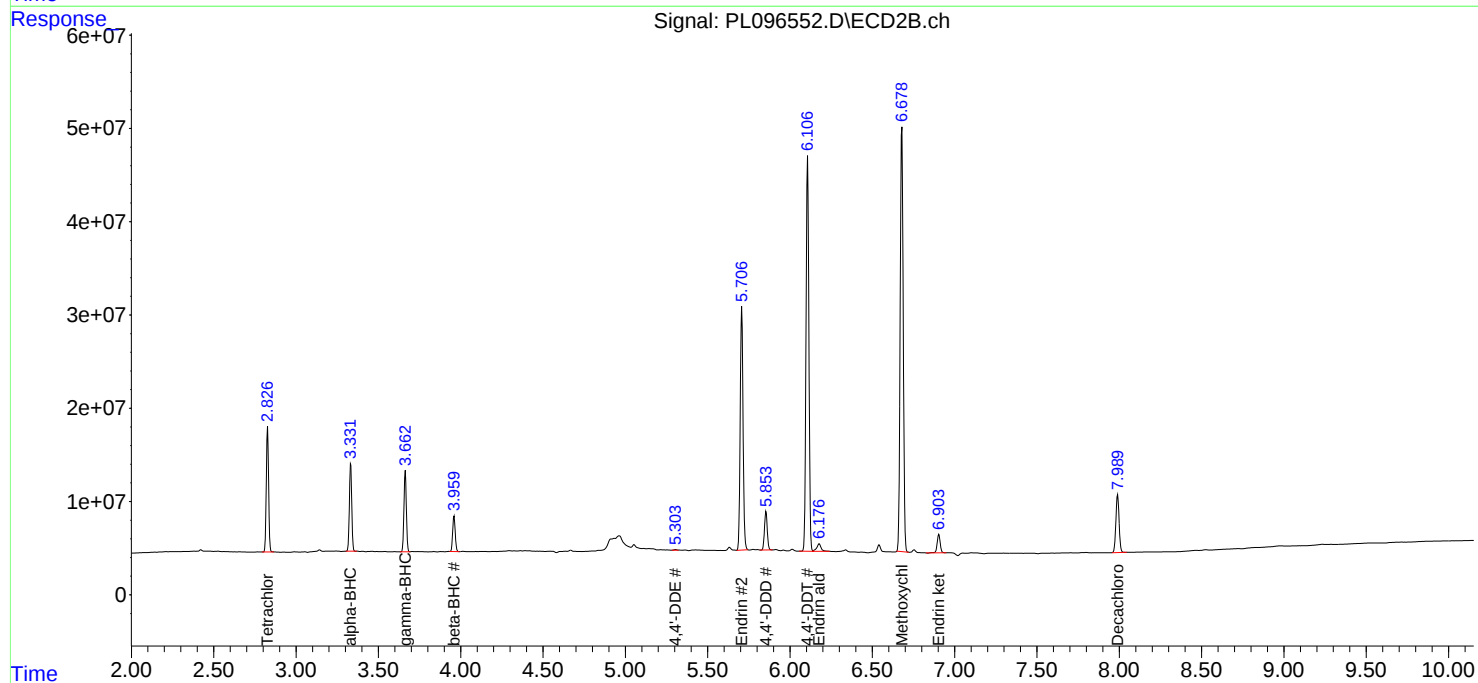
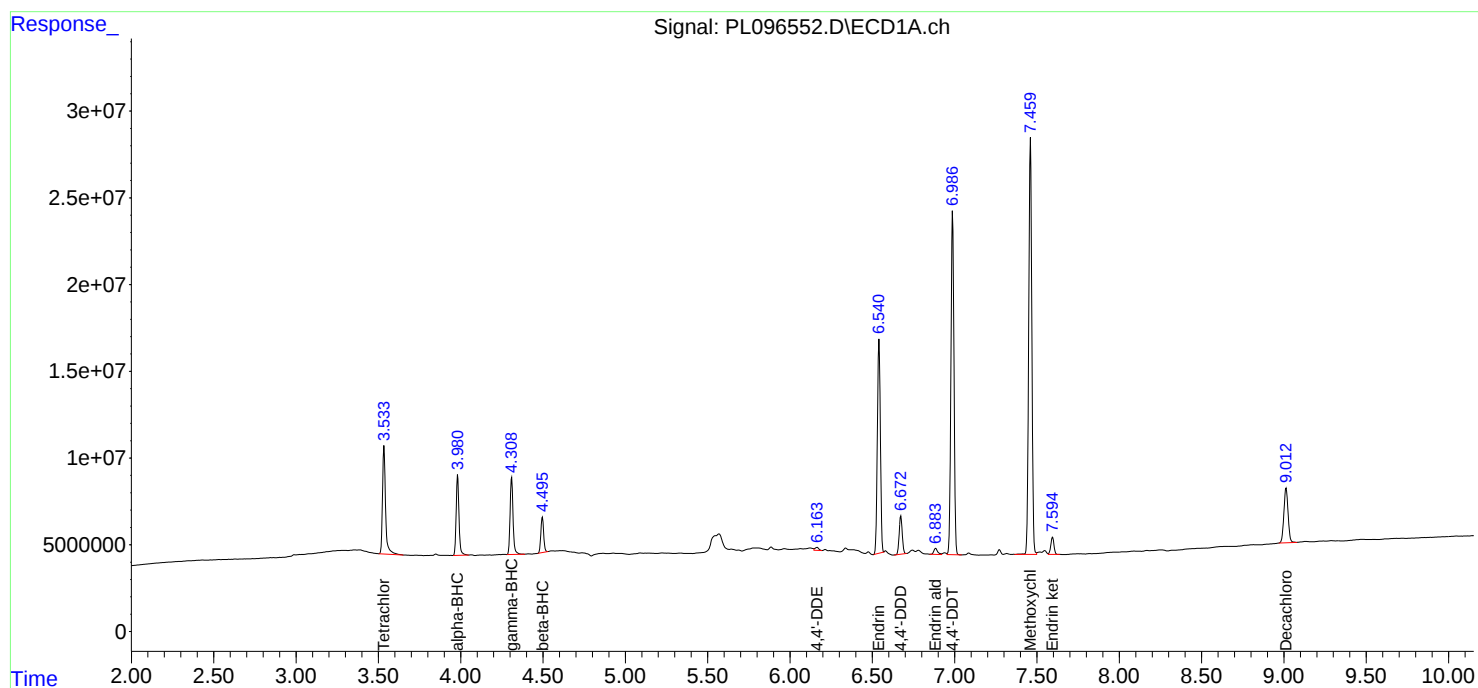
Instrument :
ECD_L
ClientSampleId :
PEM

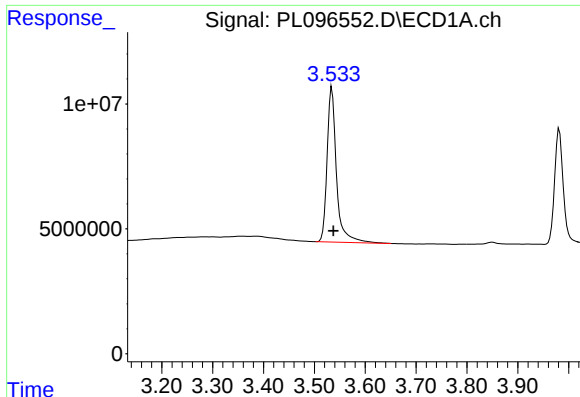
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/25/2025
Supervised By : mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





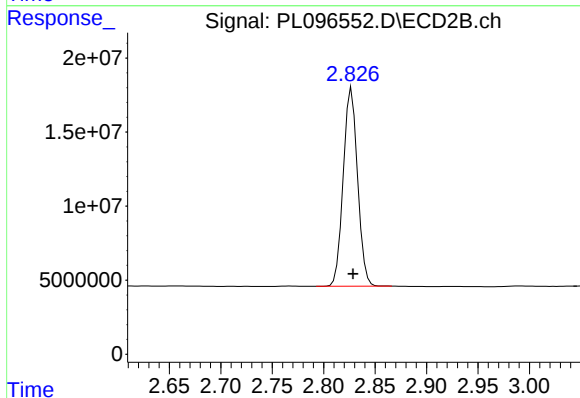
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 79759416
Conc: 21.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

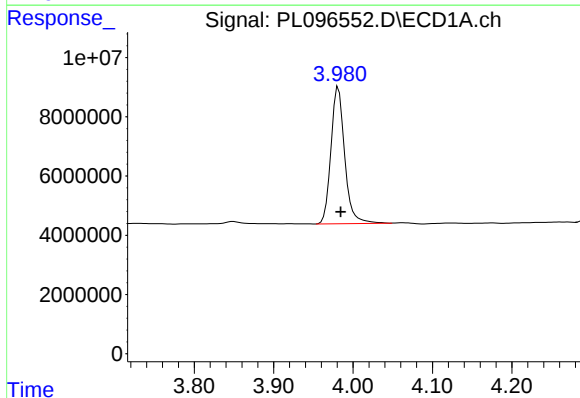
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



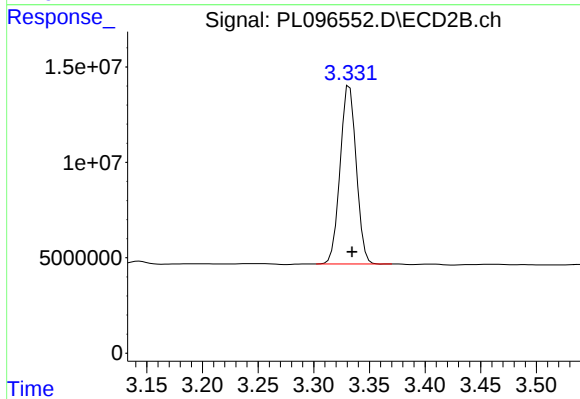
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 129484028
Conc: 22.44 ng/ml



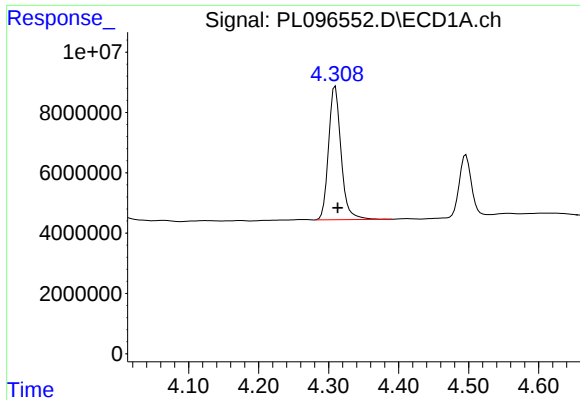
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.003 min
Response: 55419647
Conc: 10.78 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 94208800
Conc: 11.17 ng/ml



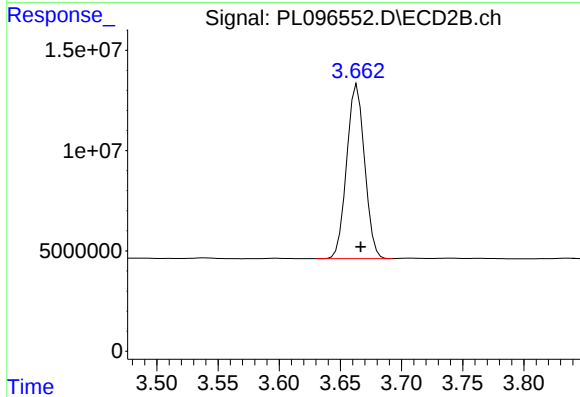
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.004 min
Response: 55050208
Conc: 11.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

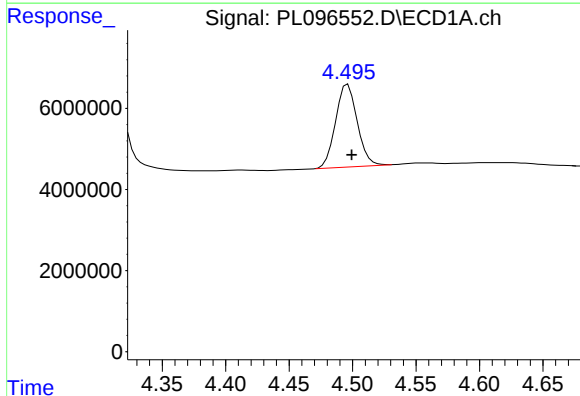
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



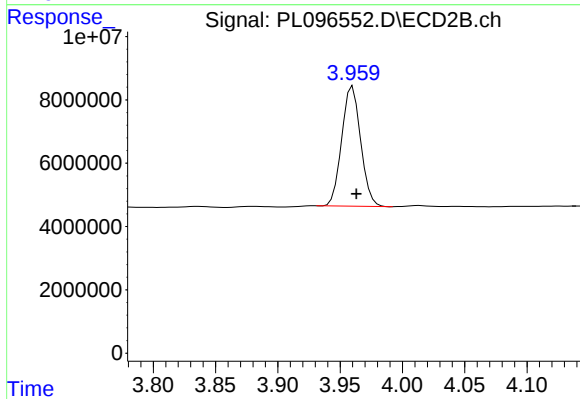
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.003 min
Response: 88448960
Conc: 11.23 ng/ml



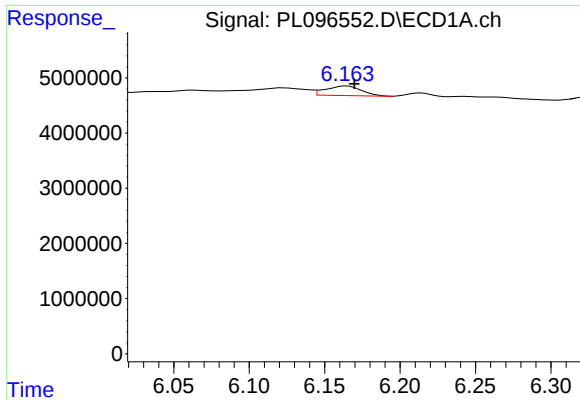
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.003 min
Response: 24207094
Conc: 11.64 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 40248093
Conc: 11.76 ng/ml



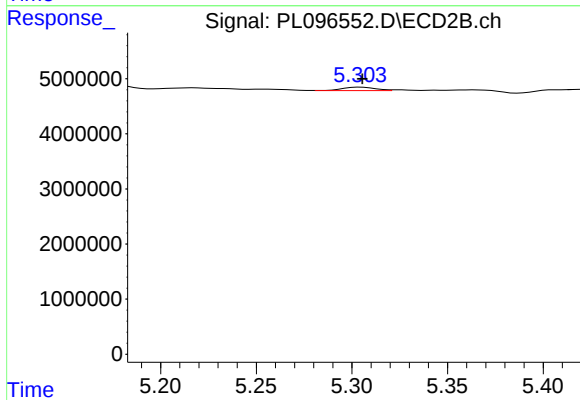
#12 4,4'-DDE

R.T.: 6.163 min
Delta R.T.: -0.006 min
Response: 2794567
Conc: 0.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

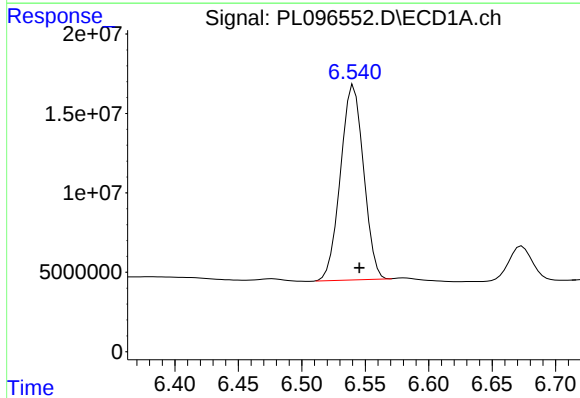
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



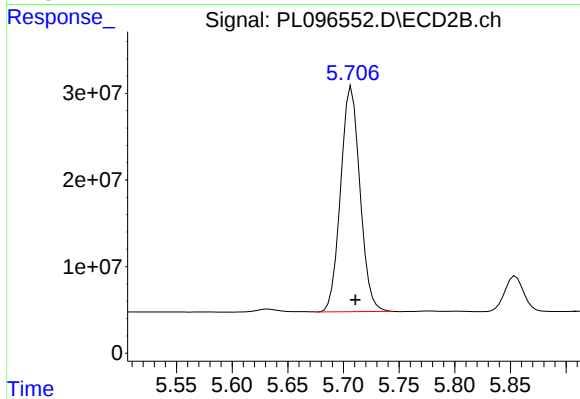
#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 770962
Conc: 0.12 ng/ml m



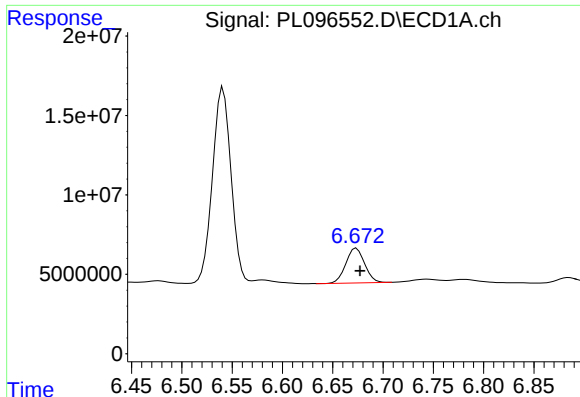
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 155335845
Conc: 49.94 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.003 min
Response: 314269914
Conc: 51.55 ng/ml



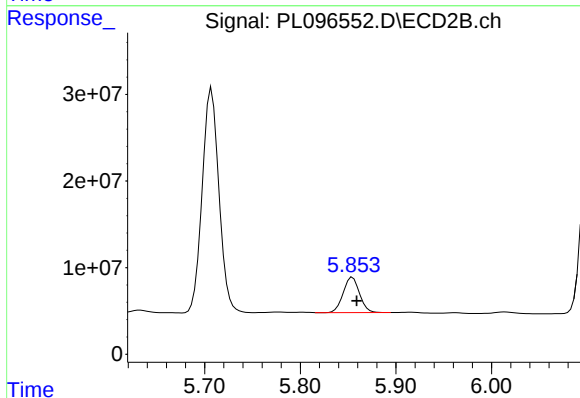
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 28366522
Conc: 9.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

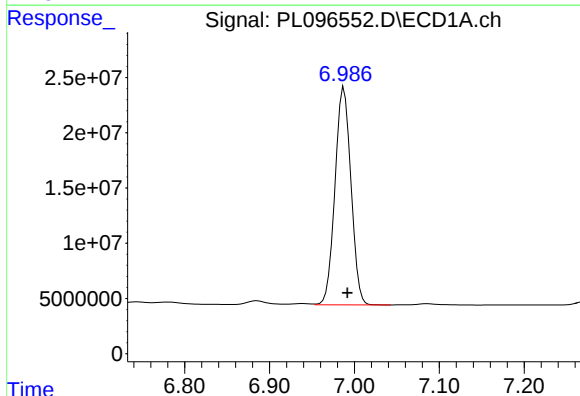
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



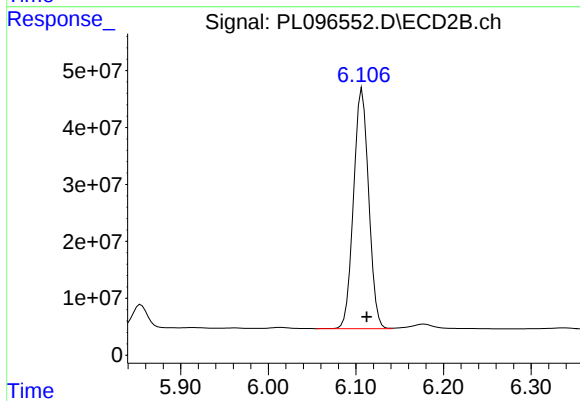
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 48383172
Conc: 9.43 ng/ml



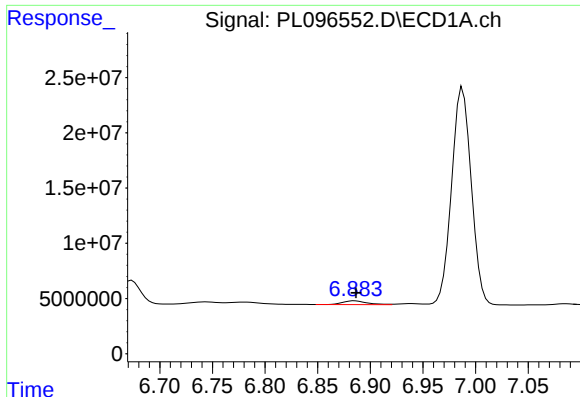
#17 4,4'-DDT

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 257087599
Conc: 84.70 ng/ml



#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 506034807
Conc: 88.23 ng/ml



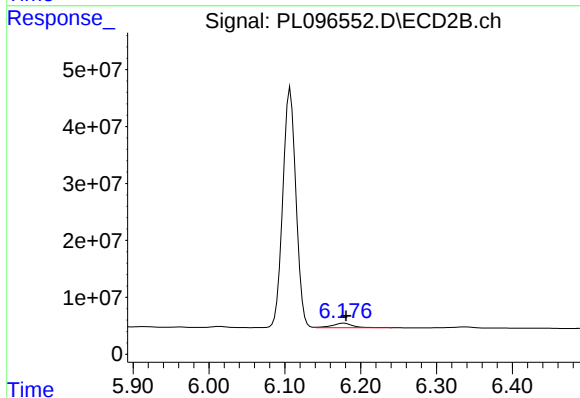
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 5603771
Conc: 2.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

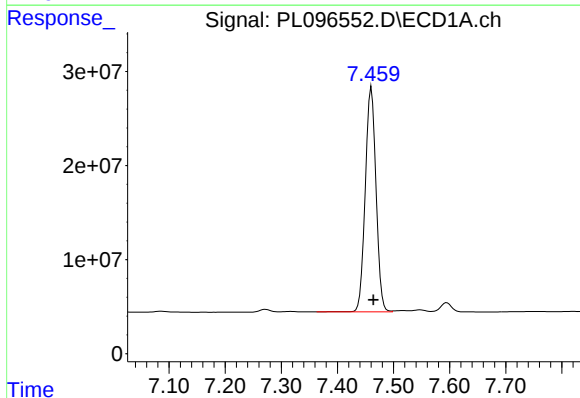
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



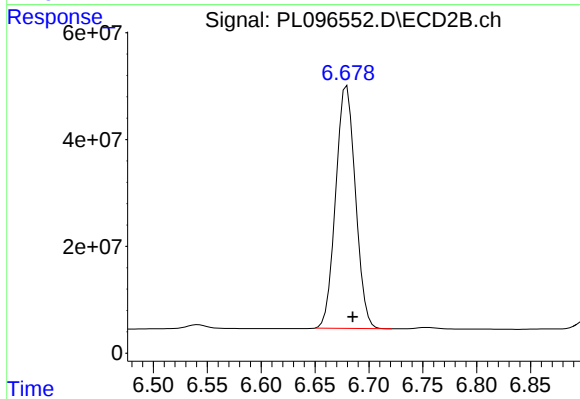
#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 14633736
Conc: 3.29 ng/ml



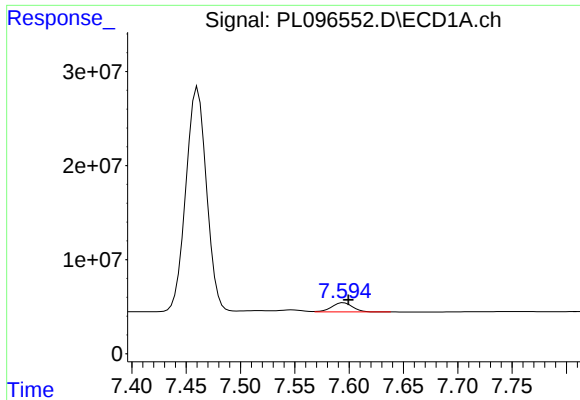
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.004 min
Response: 316802542
Conc: 201.09 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.005 min
Response: 578253592
Conc: 190.35 ng/ml



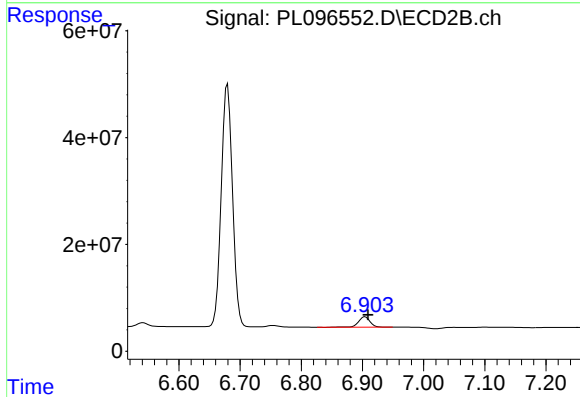
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.004 min
Response: 13127500
Conc: 3.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

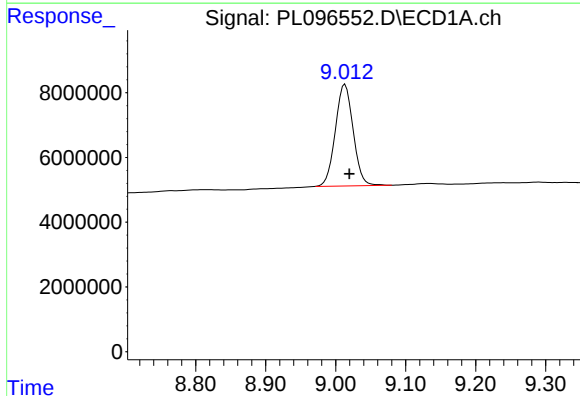
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



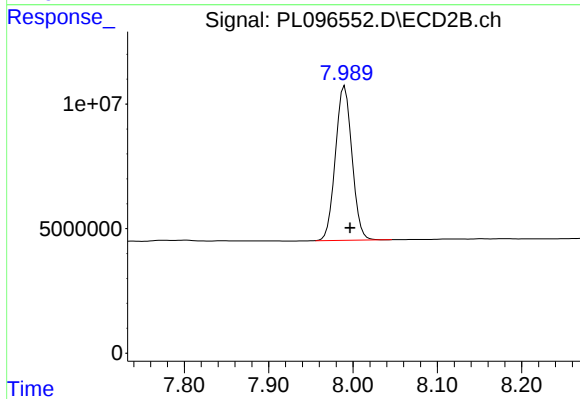
#21 Endrin ketone

R.T.: 6.904 min
Delta R.T.: -0.005 min
Response: 25606598
Conc: 4.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.013 min
Delta R.T.: -0.007 min
Response: 55587258
Conc: 19.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.006 min
Response: 84646252
Conc: 16.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Title : GC Extractables
Last Update : Mon Jul 07 15:22:07 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.919	100.00%
5.919	6.047	100.00%
6.047	6.169	100.00%
6.169	6.319	100.00%
6.319	7.120	100.00%
7.120	7.464	100.00%
7.464	7.599	100.00%
7.599	9.020	100.00%

Signal #2

2.829	5.054	100.00%
5.054	5.173	100.00%
5.173	5.307	100.00%
5.307	5.438	100.00%
5.438	6.406	100.00%
6.406	6.685	100.00%
6.685	6.910	100.00%
6.910	7.996	100.00%

PL070725.M Thu Jul 24 01:04:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096239.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:40
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:27:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.829	62690780	102.2E6	17.180	17.704
28)	SA Decachlor...	9.020	7.996	50426233	89762754	17.926	18.001
Target Compounds							
9)	A Endosulfan I	6.047	5.171	32887236	74513445	8.146	10.386m#
10)	B gamma-Chl...	5.919	5.054	38063125	59640944	8.602	8.496
12)	B 4,4'-DDE	6.169	5.307	64648183	115.1E6	17.437	17.809
13)	MA Dieldrin	6.319	5.438	73314501	120.9E6	17.339	17.729
19)	B Endosulfa...	7.120	6.406	55307739	102.1E6	18.081	18.156
20)	A Methoxychlor	7.464	6.685	131.3E6	265.5E6	83.329	87.403
21)	B Endrin ke...	7.599	6.910	58507106	113.8E6	17.721	18.203

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

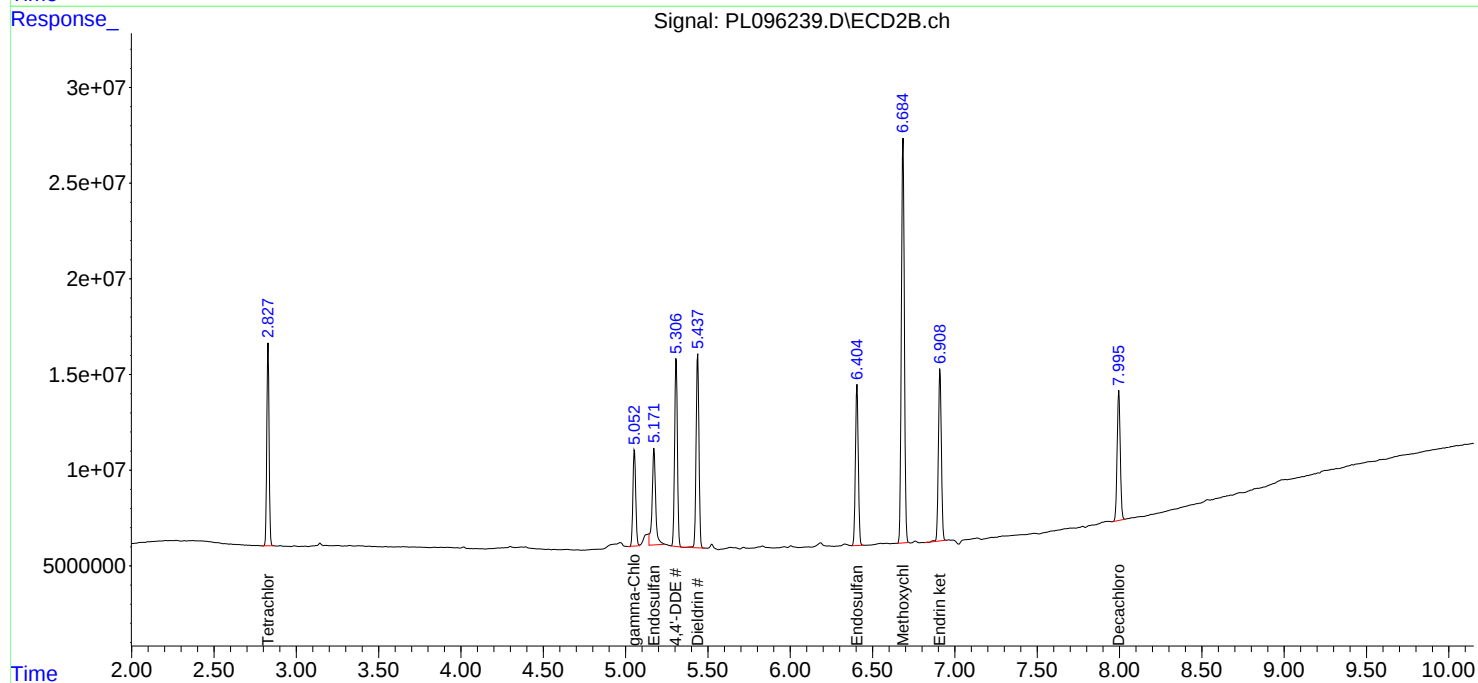
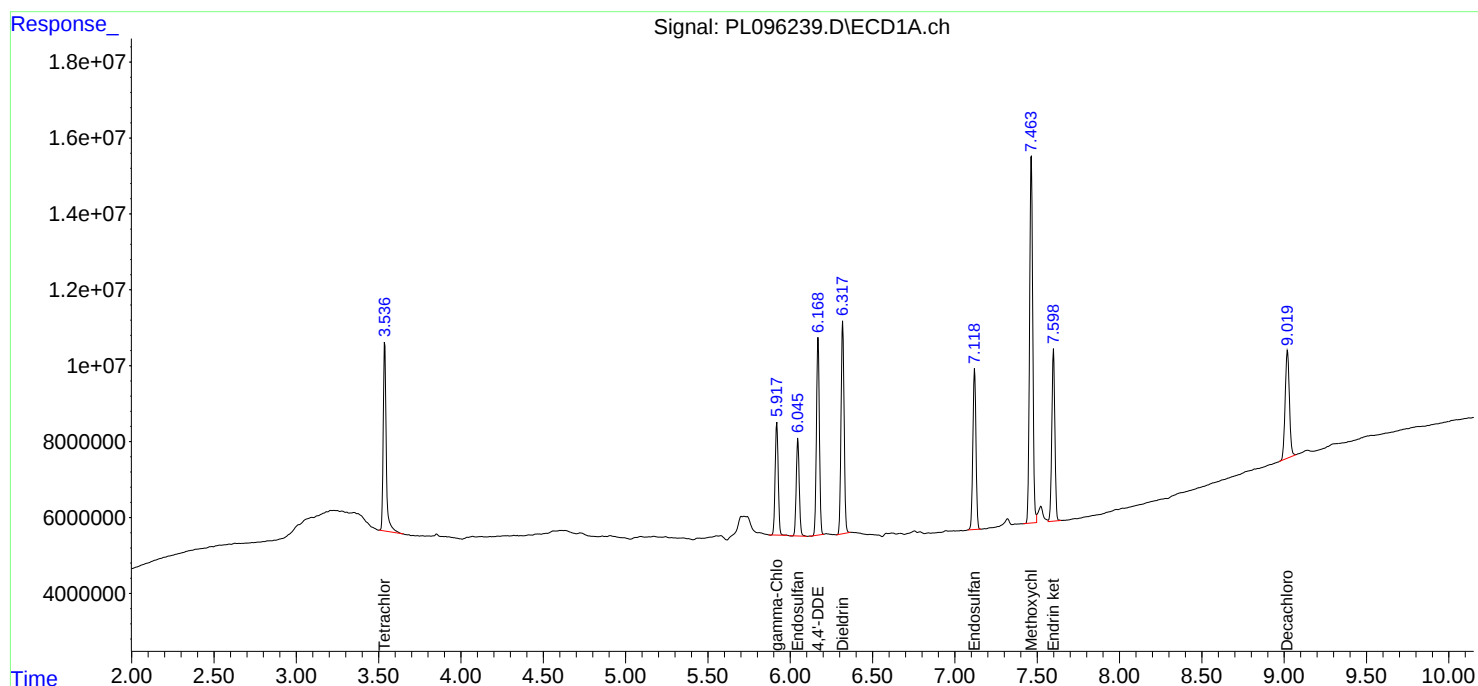
Instrument :
ECD_L
ClientSampleId :
RESCHK

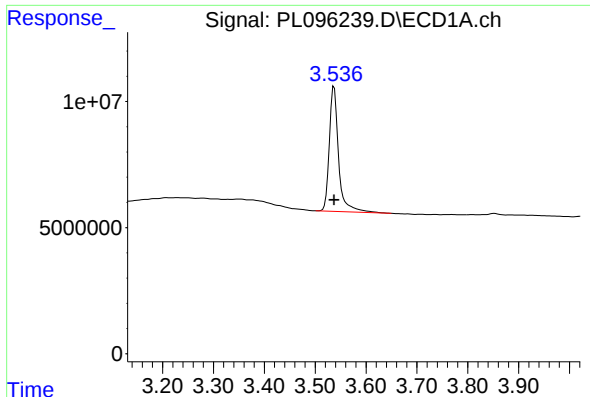
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





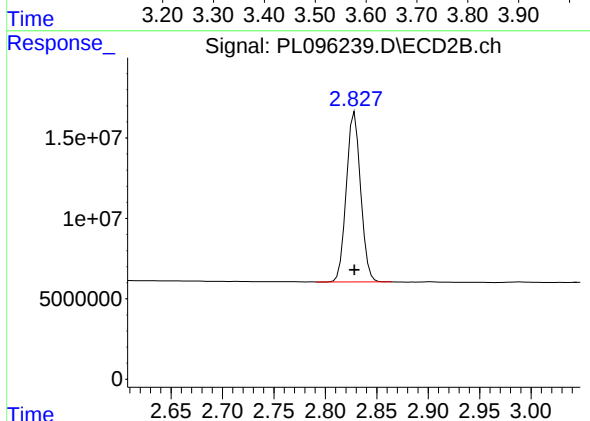
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

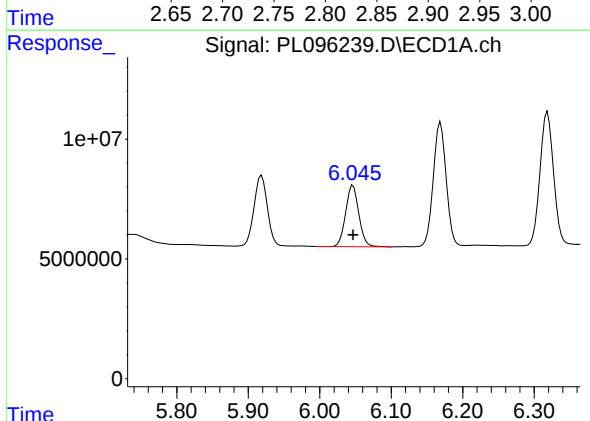
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



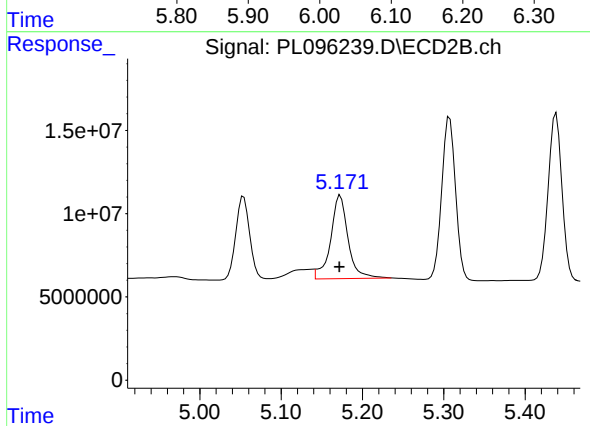
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



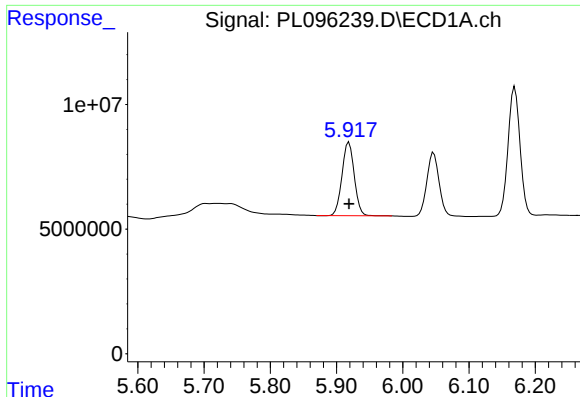
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 32887236
Conc: 8.15 ng/ml



#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 74513445
Conc: 10.39 ng/ml m



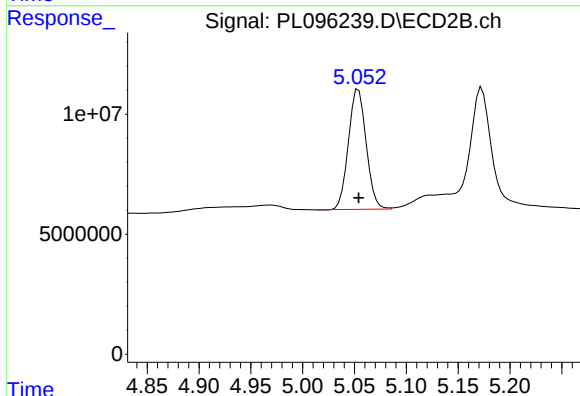
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

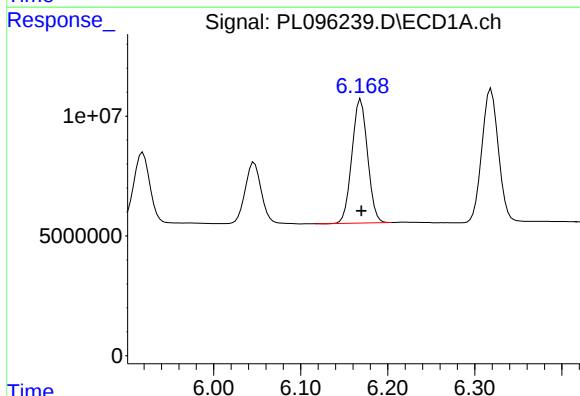
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



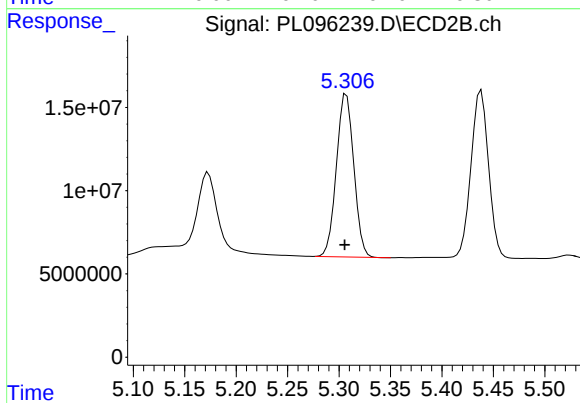
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



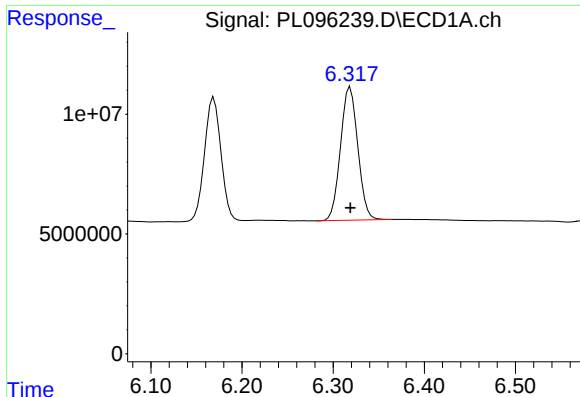
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 64648183
Conc: 17.44 ng/ml



#12 4,4'-DDE

R.T.: 5.307 min
Delta R.T.: 0.002 min
Response: 115114975
Conc: 17.81 ng/ml



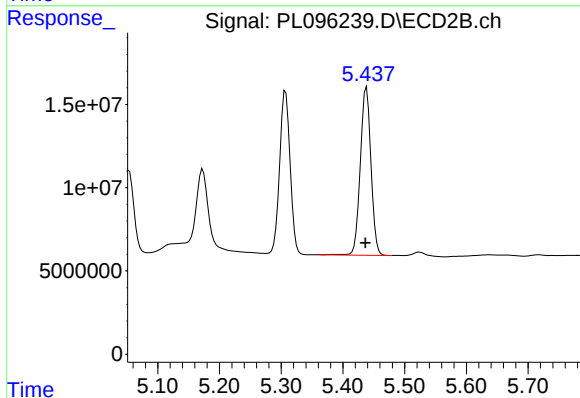
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

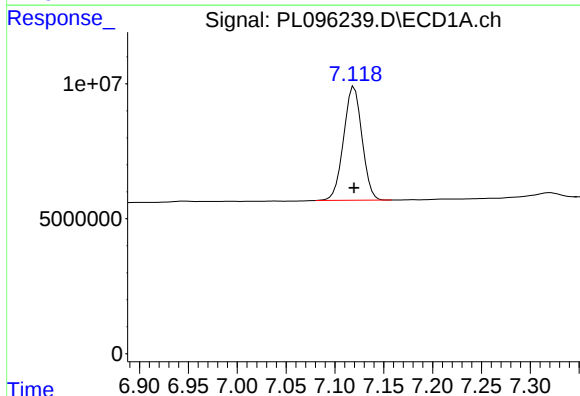
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



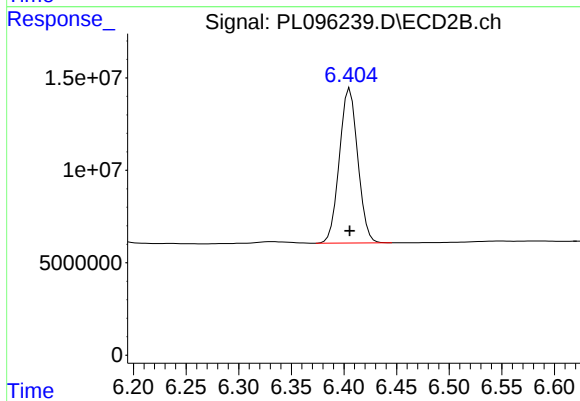
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



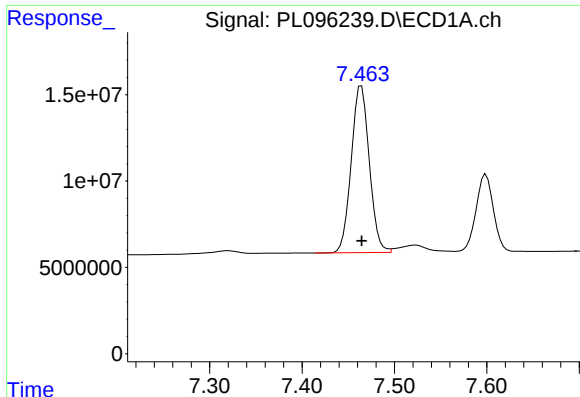
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 55307739
Conc: 18.08 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 102116369
Conc: 18.16 ng/ml



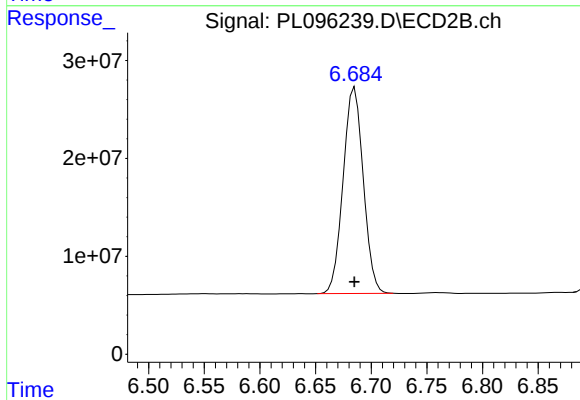
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

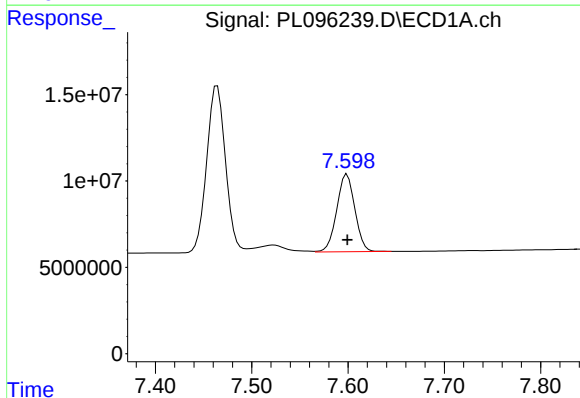
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



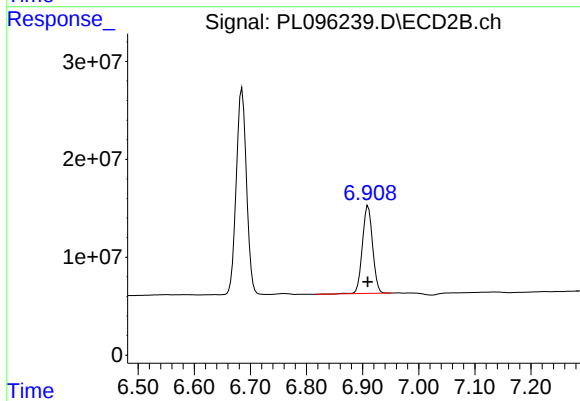
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



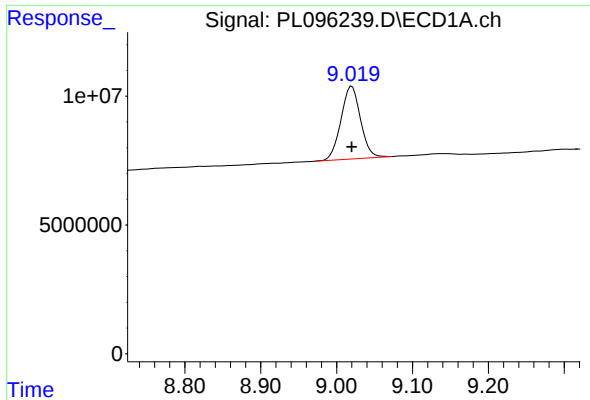
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 58507106
Conc: 17.72 ng/ml



#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 113810797
Conc: 18.20 ng/ml



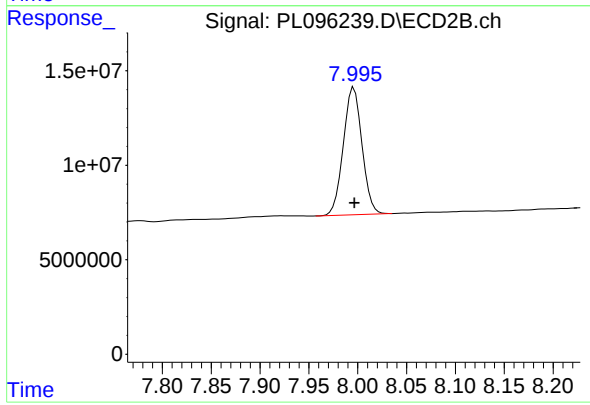
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 50426233
Conc: 17.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 89762754
Conc: 18.00 ng/ml

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q2641

Project: RFP 905A

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/07/2025 07/07/2025

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	07/07/2025	10:12	PL096237.D	9.02	3.54
PEM	PEM	07/07/2025	10:26	PL096238.D	9.02	3.54
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	9.02	3.54
PSTDICCC100	PSTDICCC100	07/07/2025	10:53	PL096240.D	9.02	3.54
PSTDICCC075	PSTDICCC075	07/07/2025	11:09	PL096241.D	9.02	3.54
PSTDICCC050	PSTDICCC050	07/07/2025	11:22	PL096242.D	9.02	3.54
PSTDICCC025	PSTDICCC025	07/07/2025	11:36	PL096243.D	9.02	3.54
PSTDICCC005	PSTDICCC005	07/07/2025	11:49	PL096244.D	9.02	3.54
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	9.02	3.54
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	9.02	3.54
IBLK	IBLK	07/24/2025	10:42	PL096551.D	9.02	3.53
PEM	PEM	07/24/2025	10:56	PL096552.D	9.01	3.53
PSTDCCC050	PSTDCCC050	07/24/2025	11:28	PL096553.D	9.02	3.54
PB168984BL	PB168984BL	07/24/2025	12:24	PL096554.D	9.02	3.53
PB168984BS	PB168984BS	07/24/2025	12:37	PL096555.D	9.02	3.54
PB168919TB	PB168919TB	07/24/2025	12:51	PL096556.D	9.01	3.54
P001-CONCRETE001-01	Q2641-02	07/24/2025	16:48	PL096559.D	9.02	3.54
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	17:02	PL096560.D	9.02	3.54
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	17:15	PL096561.D	9.02	3.54
IBLK	IBLK	07/24/2025	18:23	PL096566.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/24/2025	18:51	PL096568.D	9.02	3.54

Analytical Sequence

Client: Weston Solutions, Inc.

SDG No.: Q2641

Project: RFP 905A

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/07/2025 07/07/2025

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	07/07/2025	10:12	PL096237.D	8.00	2.83
PEM	PEM	07/07/2025	10:26	PL096238.D	8.00	2.83
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	8.00	2.83
PSTDICCC100	PSTDICCC100	07/07/2025	10:53	PL096240.D	8.00	2.83
PSTDICCC075	PSTDICCC075	07/07/2025	11:09	PL096241.D	8.00	2.83
PSTDICCC050	PSTDICCC050	07/07/2025	11:22	PL096242.D	8.00	2.83
PSTDICCC025	PSTDICCC025	07/07/2025	11:36	PL096243.D	8.00	2.83
PSTDICCC005	PSTDICCC005	07/07/2025	11:49	PL096244.D	8.00	2.83
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	8.00	2.83
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	8.00	2.83
IBLK	IBLK	07/24/2025	10:42	PL096551.D	7.99	2.83
PEM	PEM	07/24/2025	10:56	PL096552.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/24/2025	11:28	PL096553.D	7.99	2.83
PB168984BL	PB168984BL	07/24/2025	12:24	PL096554.D	7.99	2.82
PB168984BS	PB168984BS	07/24/2025	12:37	PL096555.D	7.99	2.83
PB168919TB	PB168919TB	07/24/2025	12:51	PL096556.D	7.99	2.83
P001-CONCRETE001-01	Q2641-02	07/24/2025	16:48	PL096559.D	7.99	2.82
P001-CONCRETE001-01MS	Q2641-02MS	07/24/2025	17:02	PL096560.D	7.99	2.83
P001-CONCRETE001-01MSD	Q2641-02MSD	07/24/2025	17:15	PL096561.D	7.99	2.83
IBLK	IBLK	07/24/2025	18:23	PL096566.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/24/2025	18:51	PL096568.D	7.99	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Lab Sample ID: Q2641-02

Date(s) Analyzed: 07/24/2025 07/24/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.46	7.41	7.51	0.15	6.3
	2	6.68	6.63	6.73	0.14	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Lab Sample ID: Q2641-02MS

Date(s) Analyzed: 07/24/2025 07/24/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.46	7.41	7.51	4.40	2.2
	2	6.68	6.63	6.73	4.50	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.60	1.8
	2	3.67	3.62	3.72	5.70	
Heptachlor	1	4.90	4.85	4.95	5.50	0
	2	4.01	3.96	4.06	5.50	
Heptachlor epoxide	1	5.66	5.61	5.71	5.80	1.7
	2	4.80	4.75	4.85	5.70	
Endrin	1	6.54	6.49	6.59	5.40	1.9
	2	5.71	5.66	5.76	5.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

P001-CONCRETE001-01MSD

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Lab Sample ID: Q2641-02MSD

Date(s) Analyzed: 07/24/2025 07/24/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.54	6.49	6.59	5.30	1.9
	2	5.71	5.66	5.76	5.20	
Methoxychlor	1	7.46	7.41	7.51	4.40	2.2
	2	6.68	6.63	6.73	4.50	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.60	0
	2	3.67	3.62	3.72	5.60	
Heptachlor	1	4.90	4.85	4.95	5.40	0
	2	4.02	3.97	4.07	5.40	
Heptachlor epoxide	1	5.66	5.61	5.71	5.70	1.8
	2	4.80	4.75	4.85	5.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168984BS

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q2641

Lab Sample ID: PB168984BS

Date(s) Analyzed: 07/24/2025 07/24/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.46	7.41	7.51	0.40	0.1
	2	6.68	6.63	6.73	0.40	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	0.56	6.2
	2	3.67	3.62	3.72	0.60	
Heptachlor	1	4.90	4.85	4.95	0.53	3.2
	2	4.01	3.96	4.06	0.55	
Heptachlor epoxide	1	5.66	5.61	5.71	0.61	3.3
	2	4.80	4.75	4.85	0.59	
Endrin	1	6.54	6.49	6.59	0.46	2.5
	2	5.71	5.66	5.76	0.48	



QC SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905A	Date Received:	
Client Sample ID:	PB168984BL	SDG No.:	Q2641
Lab Sample ID:	PB168984BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096554.D	1	07/23/25 12:15	07/24/25 12:24	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.2		57 - 171	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		61 - 148	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:24
Operator : AR\AJ
Sample : PB168984BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168984BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.824	65034236	112.8E6	17.823	19.552
28)	SA Decachlor...	9.020	7.992	48446043	77285816	17.222	15.499

Target Compounds

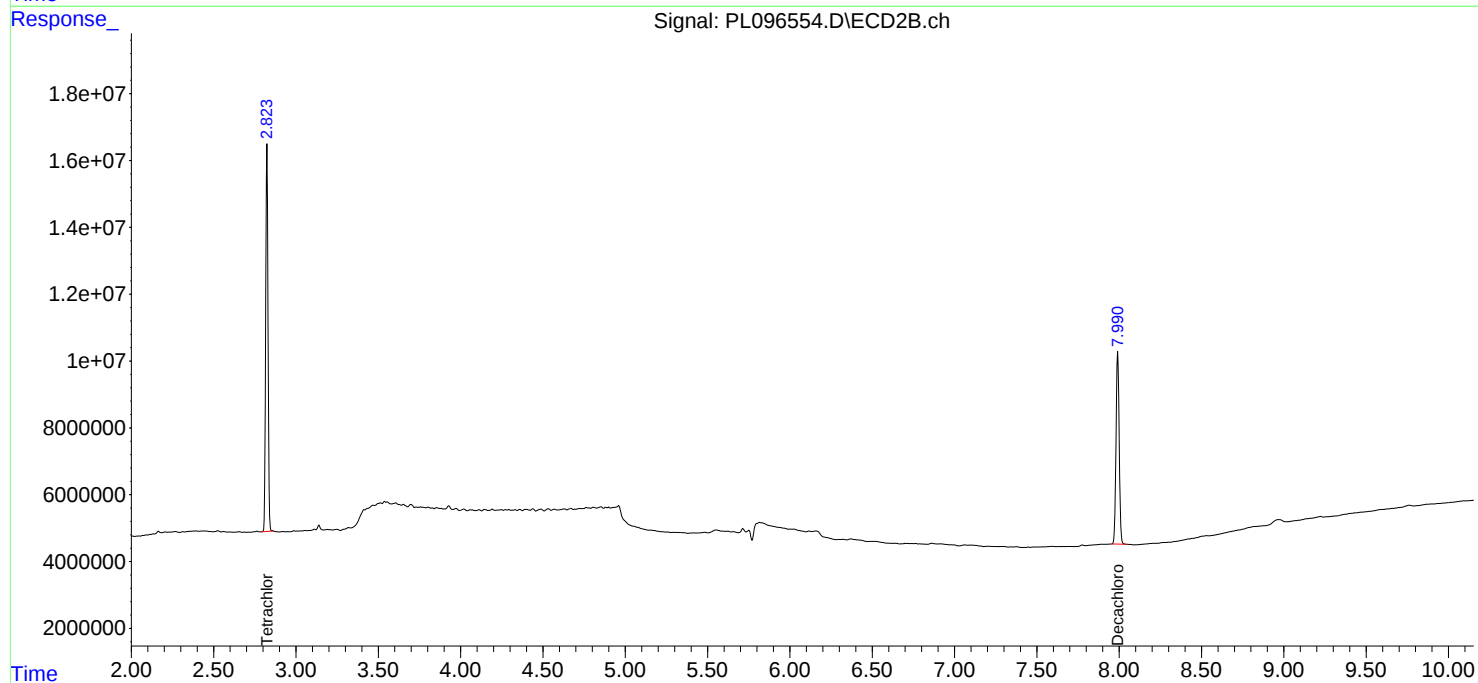
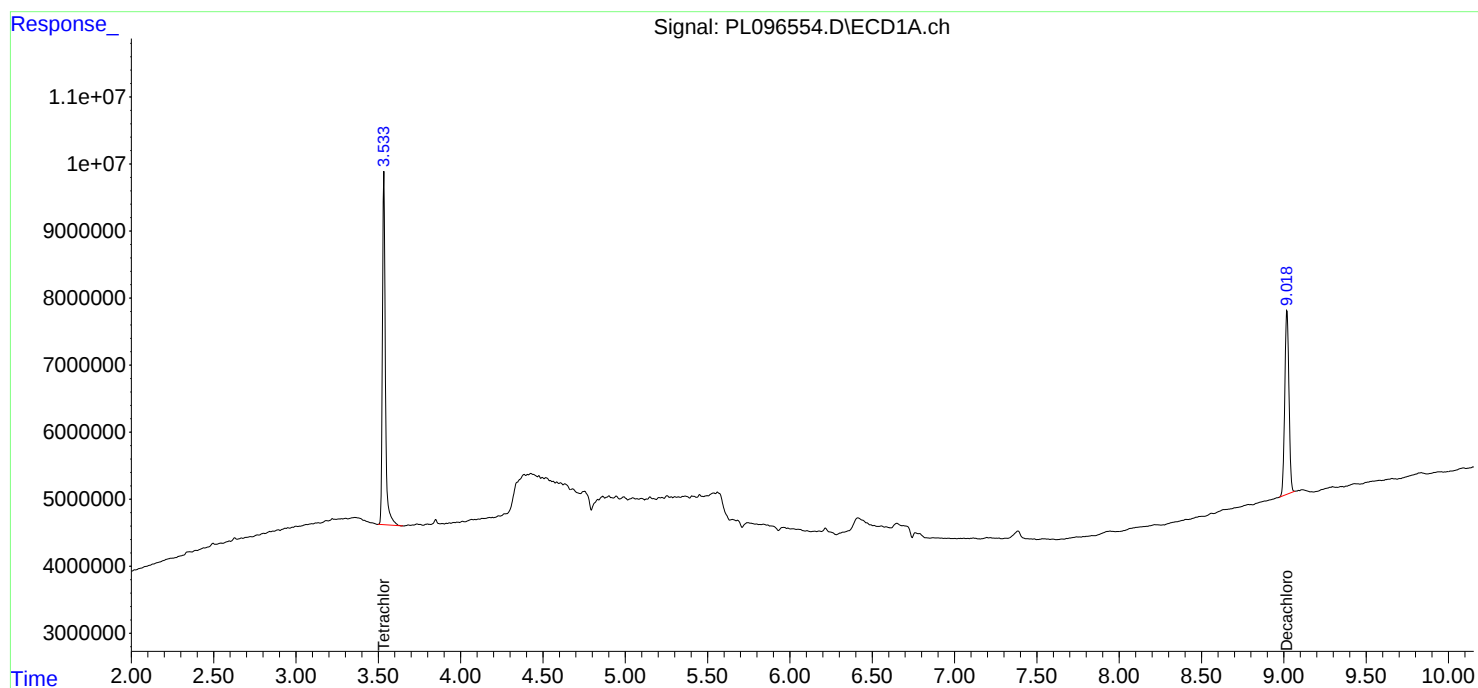
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:24
Operator : AR\AJ
Sample : PB168984BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168984BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

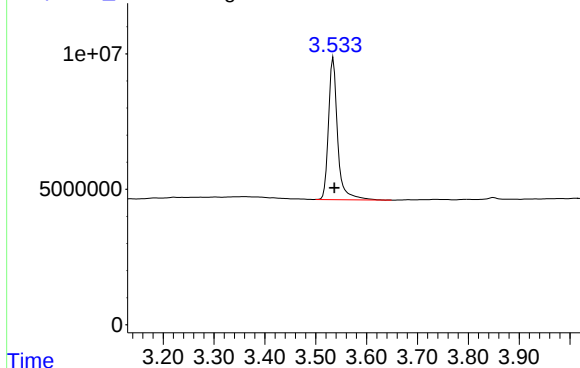


Response_ Signal: PL096554.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 65034236
Conc: 17.82 ng/ml

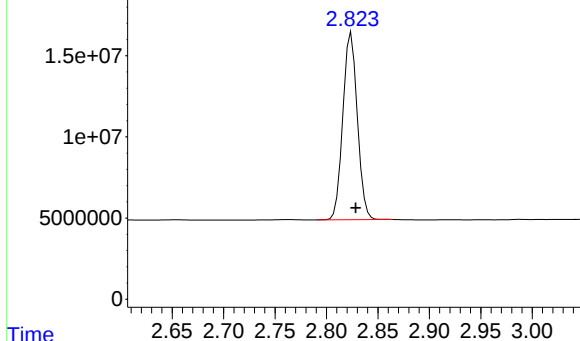
Instrument :
ECD_L
ClientSampleId :
PB168984BL



Time Response_ Signal: PL096554.D\ECD2B.ch

#1 Tetrachloro-m-xylene

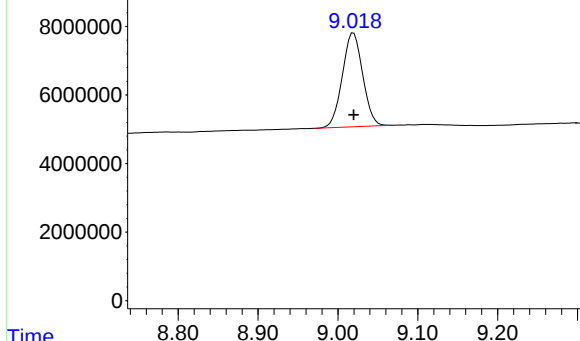
R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 112838850
Conc: 19.55 ng/ml



Time Response_ Signal: PL096554.D\ECD1A.ch

#28 Decachlorobiphenyl

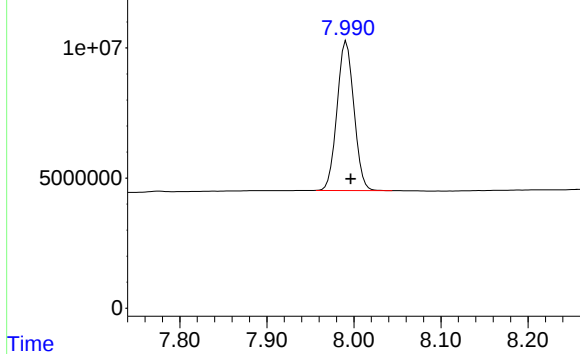
R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 48446043
Conc: 17.22 ng/ml



Time Response_ Signal: PL096554.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 77285816
Conc: 15.50 ng/ml



Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	07/07/25	
Project:	RFP 905A		Date Received:	07/07/25	
Client Sample ID:	PIBLK-PL096237.D		SDG No.:	Q2641	
Lab Sample ID:	I.BLK-PL096237.D		Matrix:	TCLP	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096237.D	1		07/07/25	PL070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		61 - 148	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096237.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:12
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:27:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.829	65245651	109.0E6	17.881	18.891
28)	SA Decachlor...	9.020	7.997	54884459	100.0E6	19.511	20.056

Target Compounds

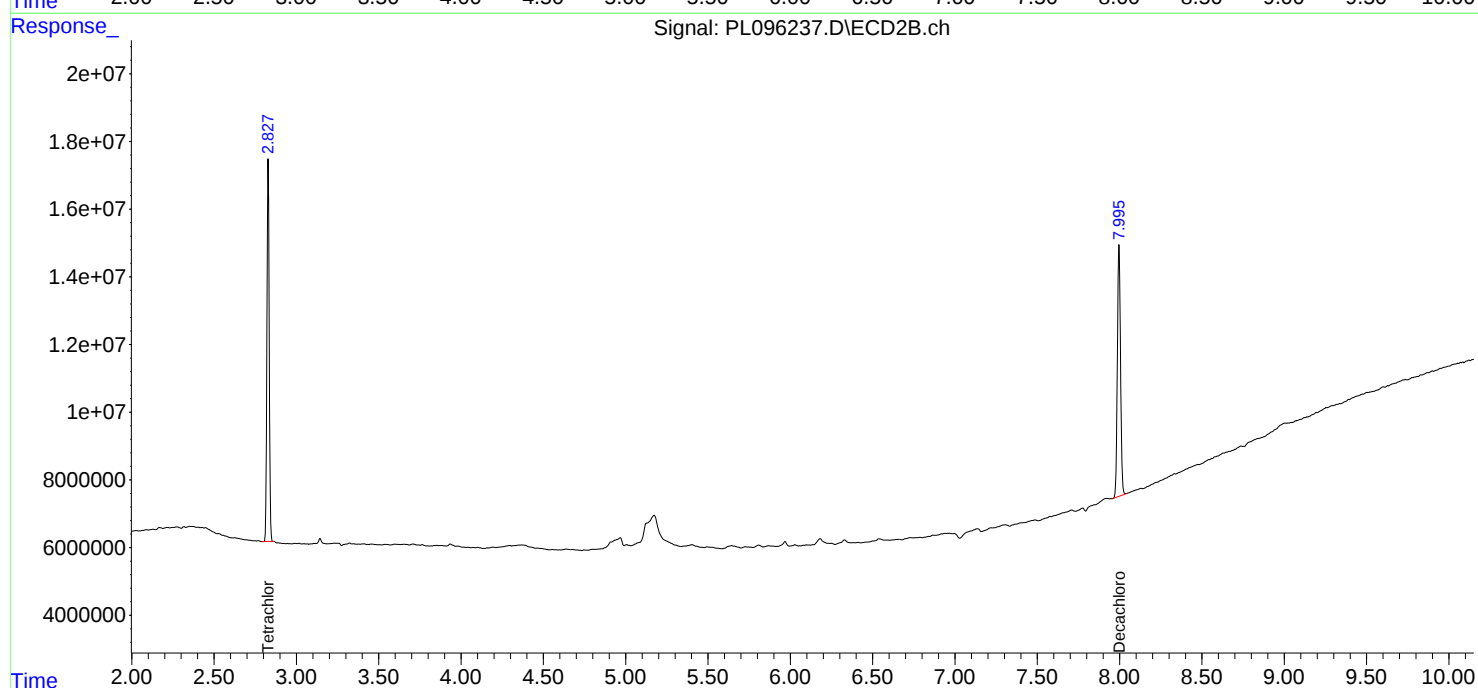
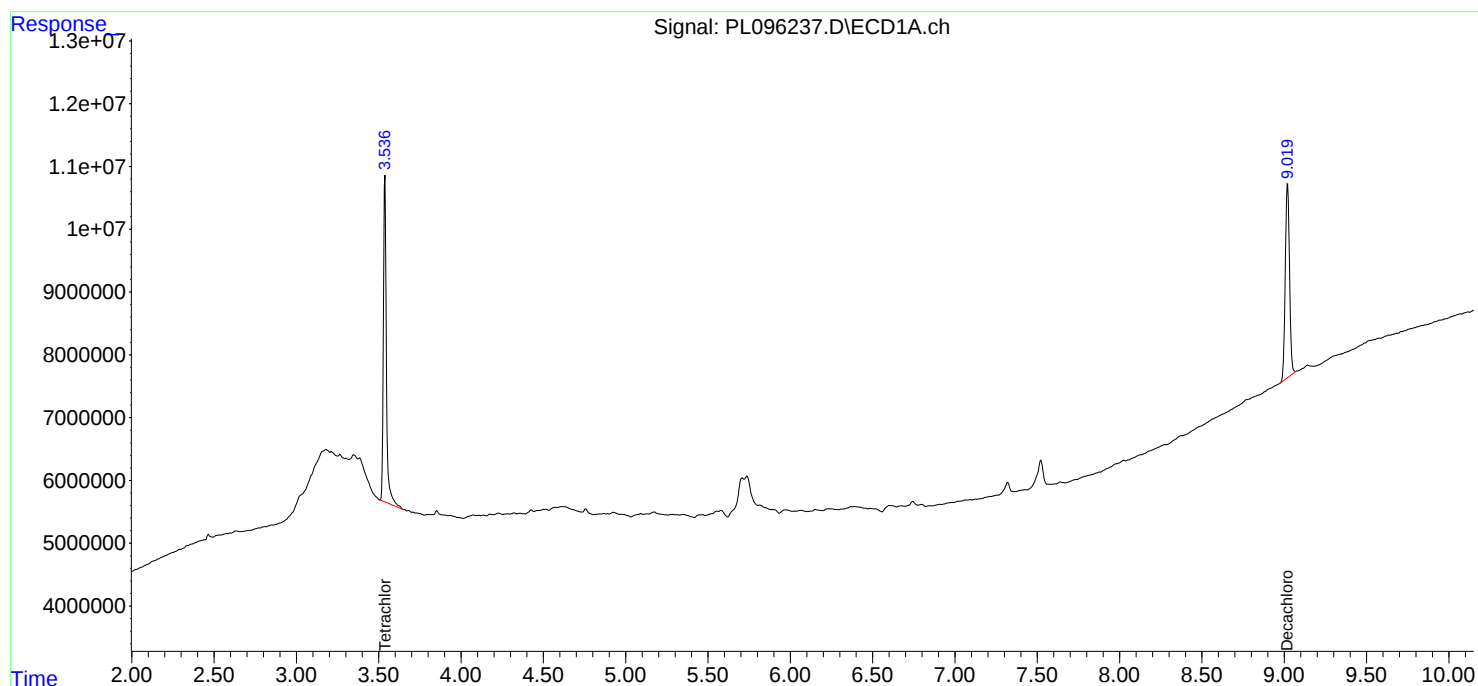
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

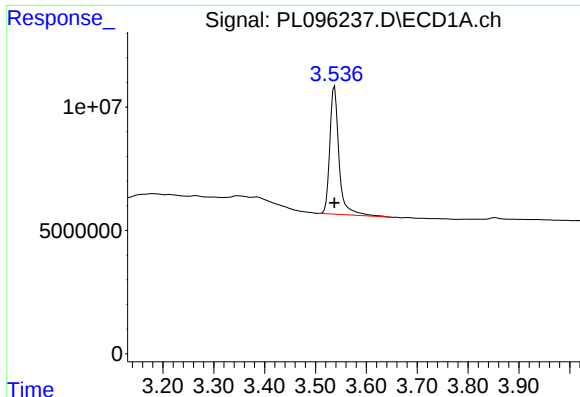
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

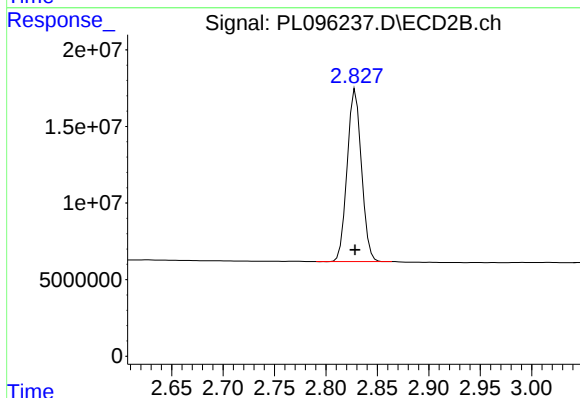




#1 Tetrachloro-m-xylene

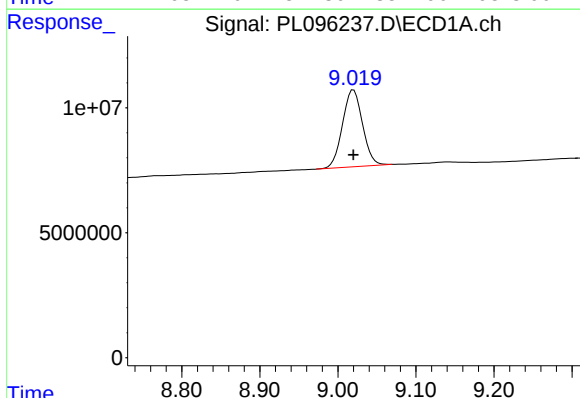
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 65245651
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



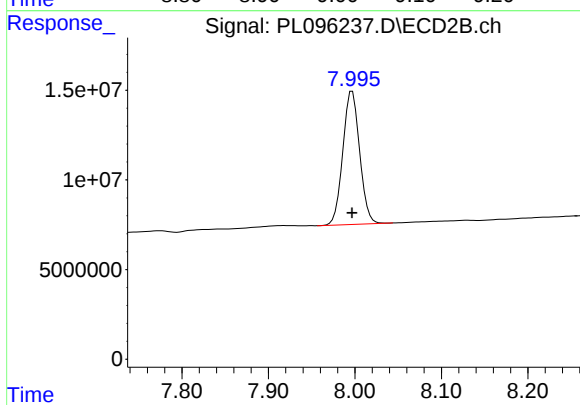
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 109023605
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 54884459
Conc: 19.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 100011029
Conc: 20.06 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	07/24/25
Project:	RFP 905A	Date Received:	07/24/25
Client Sample ID:	PIBLK-PL096551.D	SDG No.:	Q2641
Lab Sample ID:	I.BLK-PL096551.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096551.D	1		07/24/25	pl072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		61 - 148	116%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:29:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.826	79790083	134.3E6	21.866	23.270
28)	SA Decachlor...	9.015	7.990	56441862	84096495	20.064	16.865

Target Compounds

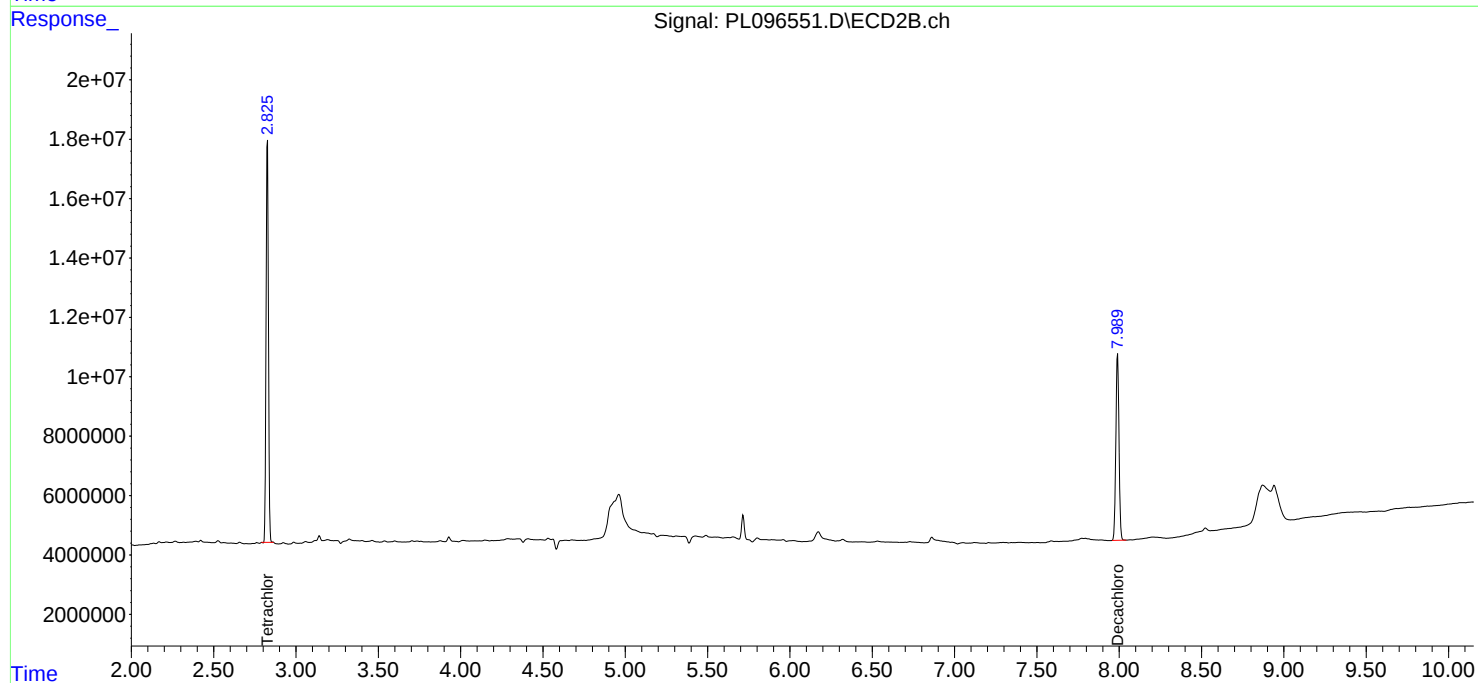
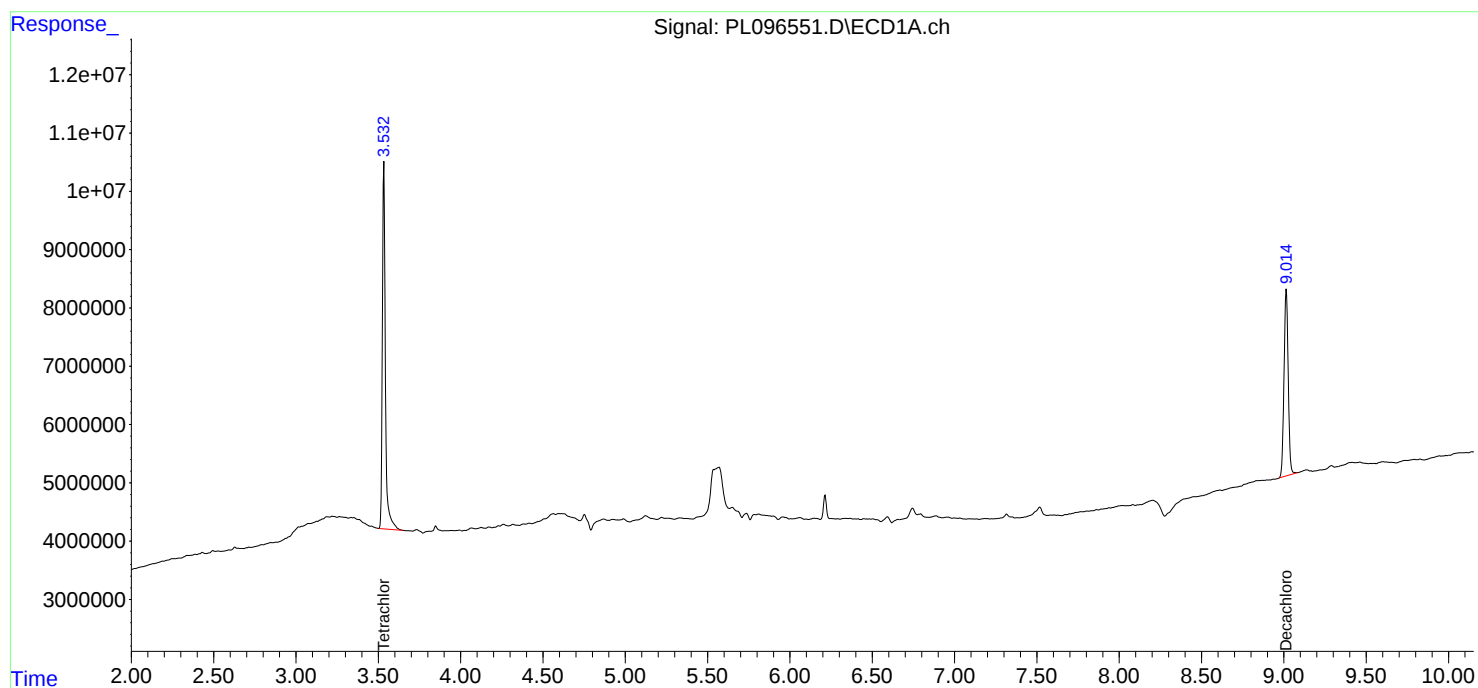
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

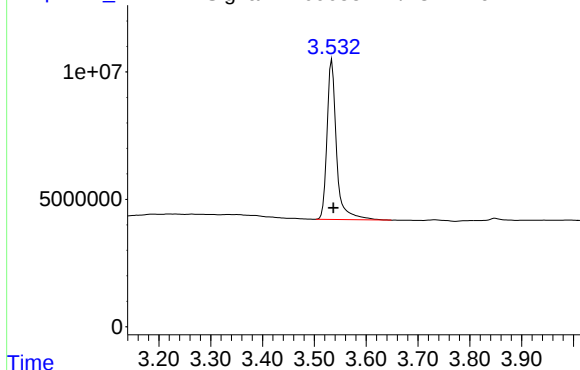
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:29:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096551.D\ECD1A.ch

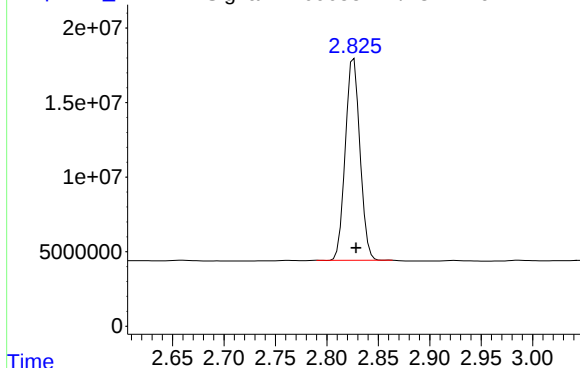


#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 79790083
Conc: 21.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

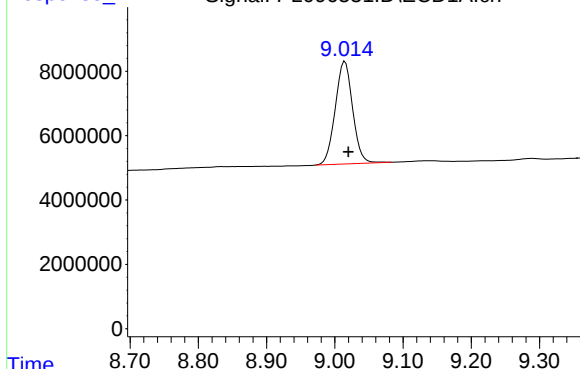
Time Response_ Signal: PL096551.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 134295794
Conc: 23.27 ng/ml

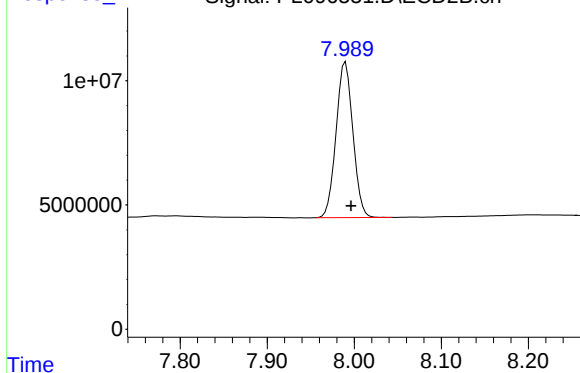
Time Response_ Signal: PL096551.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 56441862
Conc: 20.06 ng/ml

Time Response_ Signal: PL096551.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.006 min
Response: 84096495
Conc: 16.86 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	07/24/25
Project:	RFP 905A	Date Received:	07/24/25
Client Sample ID:	PIBLK-PL096566.D	SDG No.:	Q2641
Lab Sample ID:	I.BLK-PL096566.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096566.D	1		07/24/25	pl072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		57 - 171	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		61 - 148	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:23
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.828	74689111	129.8E6	20.469	22.485
28)	SA Decachlor...	9.016	7.992	59798307	90723174	21.257	18.194

Target Compounds

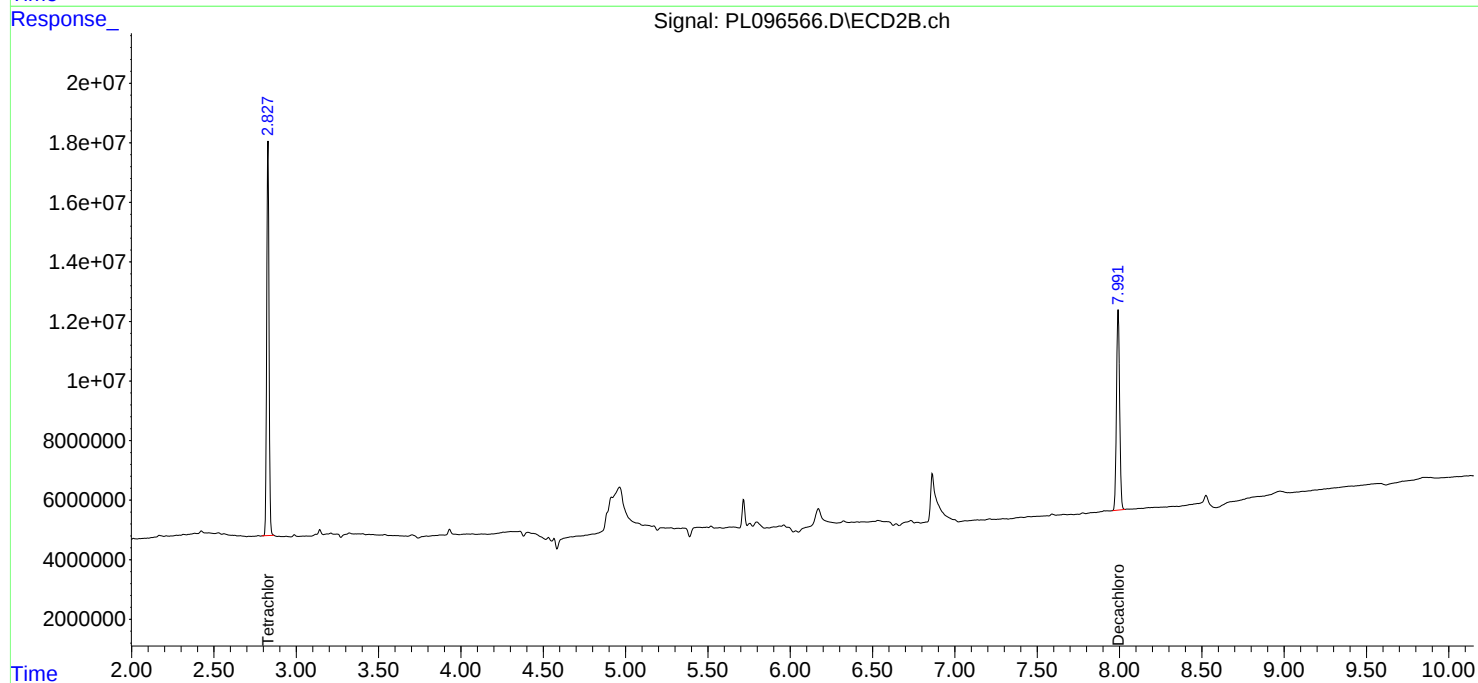
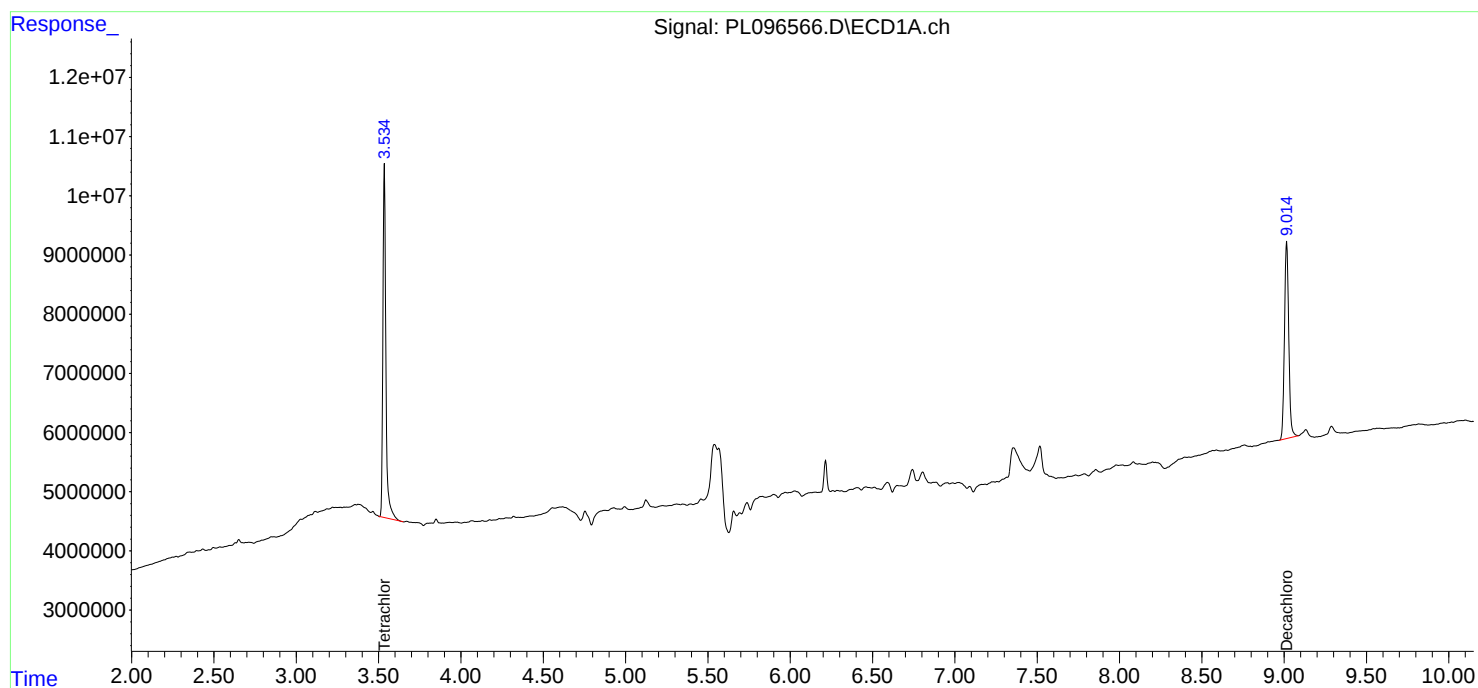
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

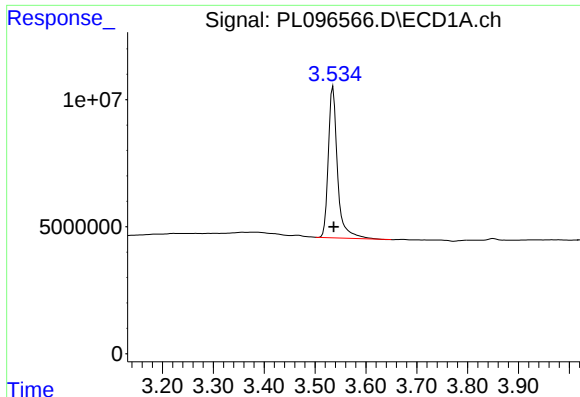
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:23
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

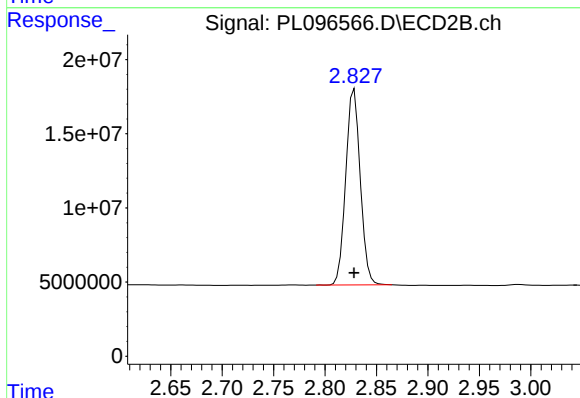




#1 Tetrachloro-m-xylene

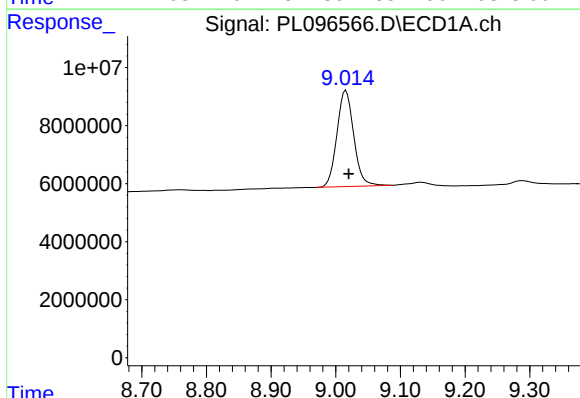
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74689111
Conc: 20.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



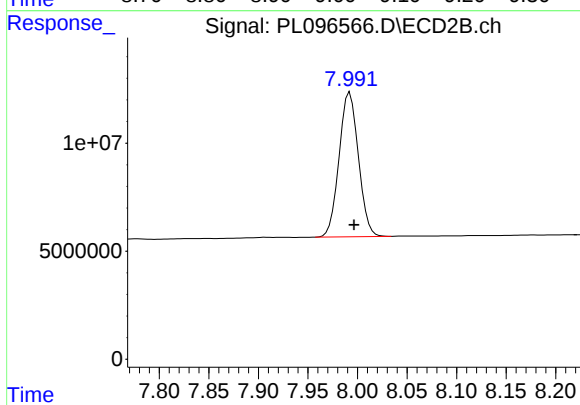
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 129767766
Conc: 22.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 59798307
Conc: 21.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 90723174
Conc: 18.19 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 905A	Date Received:	
Client Sample ID:	PB168984BS	SDG No.:	Q2641
Lab Sample ID:	PB168984BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096555.D	1	07/23/25 12:15	07/24/25 12:37	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.60		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.55		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.61		0.0096	0.050	ug/L
72-20-8	Endrin	0.48		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.40		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		57 - 171	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		61 - 148	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096555.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 12:37
 Operator : AR\AJ
 Sample : PB168984BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168984BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/25/2025
 Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:31:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	70699130	119.6E6	19.375	20.731
28)	SA Decachlor...	9.015	7.991	53333178	83924263	18.959	16.830
Target Compounds							
2)	A alpha-BHC	3.982	3.333	296.3E6	513.0E6	57.617	60.825
3)	MA gamma-BHC...	4.310	3.665	280.9E6	472.6E6	56.408	60.000
4)	MA Heptachlor	4.902	4.013	245.0E6	419.9E6	53.468	55.195
5)	MB Aldrin	5.243	4.296	270.0E6	440.4E6	55.863	60.363
6)	B beta-BHC	4.497	3.960	118.7E6	196.7E6	57.077	57.442
7)	B delta-BHC	4.742	4.193	266.8E6	464.2E6	59.536	60.269
8)	B Heptachlo...	5.662	4.798	252.8E6	394.2E6	60.921	58.963
9)	A Endosulfan I	6.043	5.169	223.3E6	368.0E6	55.305	51.301
10)	B gamma-Chl...	5.915	5.050	251.7E6	418.8E6	56.892	59.656
11)	B alpha-Chl...	5.996	5.114	243.9E6	405.7E6	55.691	53.942
12)	B 4,4'-DDE	6.166	5.303	208.1E6	387.7E6	56.117	59.983
13)	MA Dieldrin	6.315	5.433	229.4E6	407.2E6	54.252	59.718
14)	MA Endrin	6.542	5.707	144.5E6	290.3E6	46.452	47.619
15)	B Endosulfa...	6.754	6.000	185.8E6	339.9E6	53.553	57.972
16)	A 4,4'-DDD	6.674	5.855	179.4E6	355.0E6	61.624	69.212
17)	MA 4,4'-DDT	6.989	6.107	128.4E6	249.5E6	42.291	43.497
18)	B Endrin al...	6.881	6.178	139.9E6	258.6E6	62.596m	58.059
19)	B Endosulfa...	7.117	6.401	162.3E6	314.9E6	53.061	55.987
20)	A Methoxychlor	7.461	6.680	62530226	120.7E6	39.692	39.740
21)	B Endrin ke...	7.596	6.905	179.9E6	351.4E6	54.474	56.207
22)	Mirex	8.075	7.096	129.3E6	229.2E6	46.466	46.142

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 12:37
Operator : AR\AJ
Sample : PB168984BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168984BS

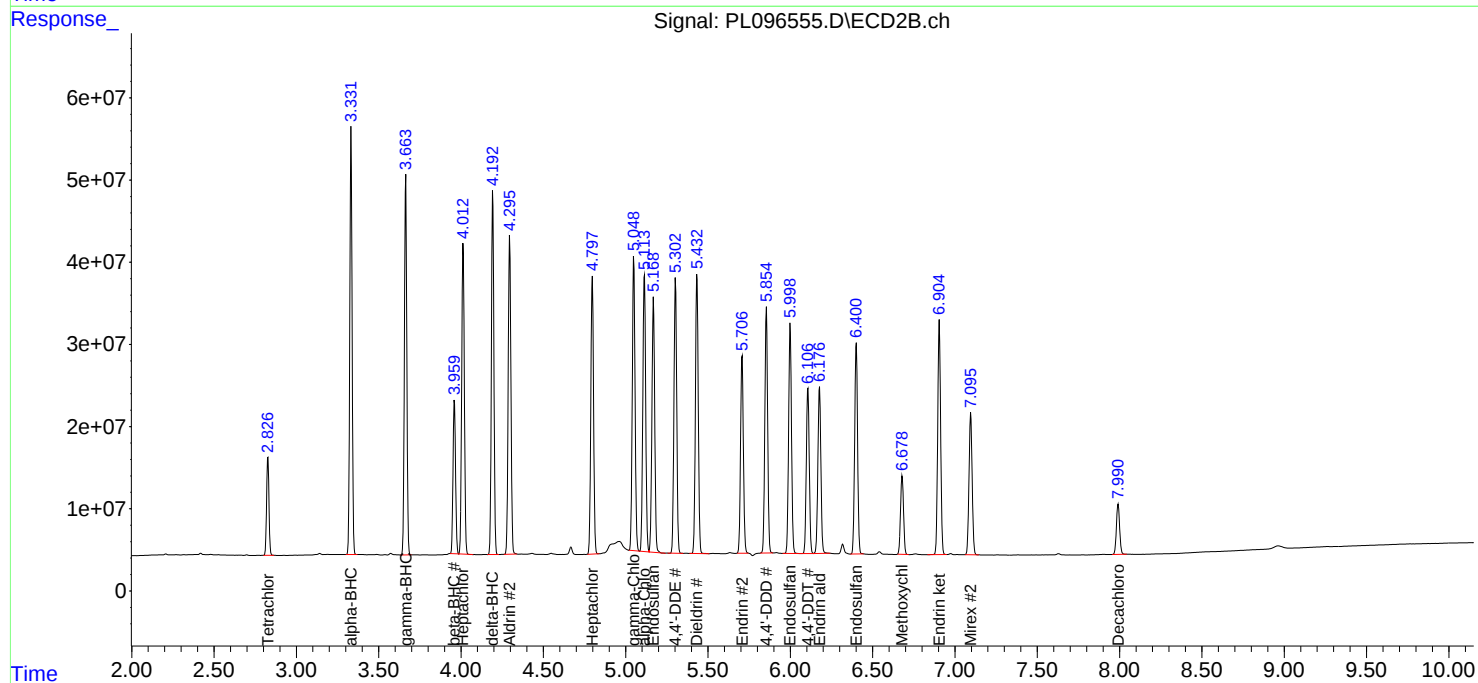
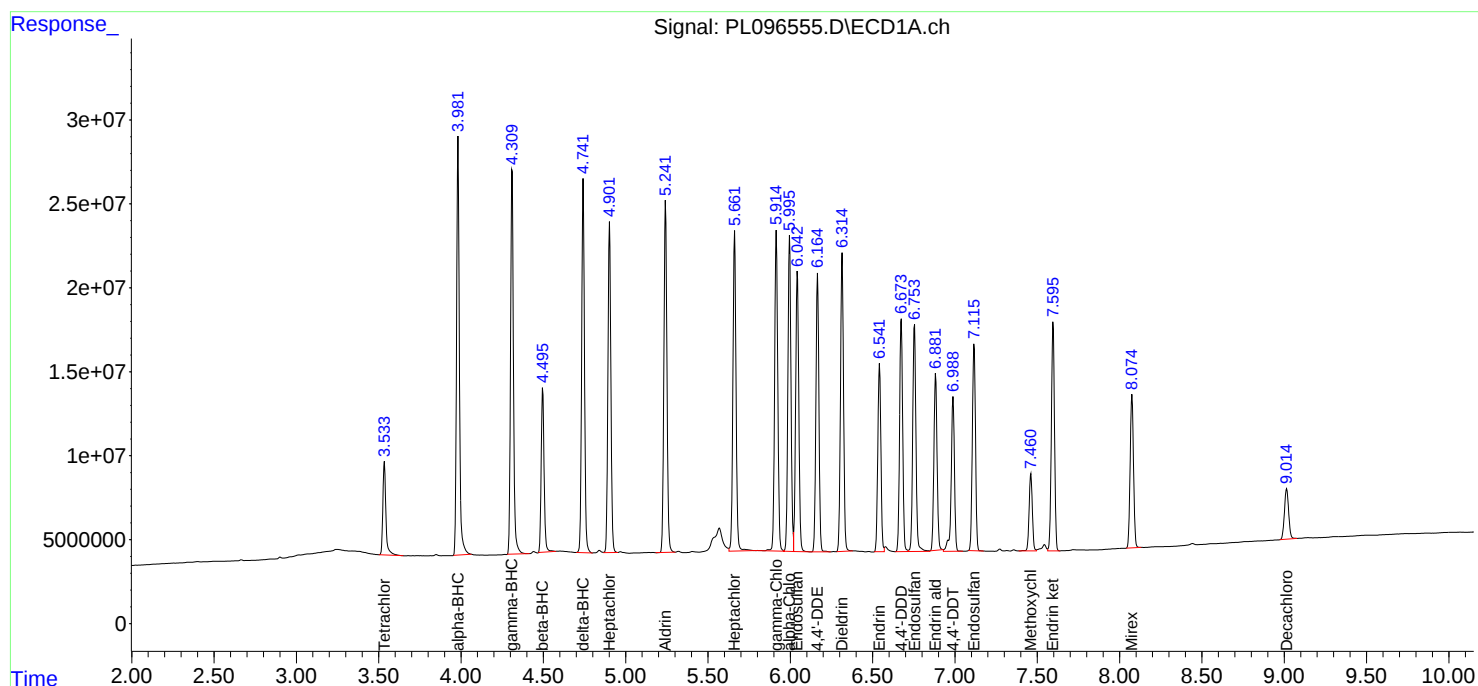
Manual Integrations**APPROVED**

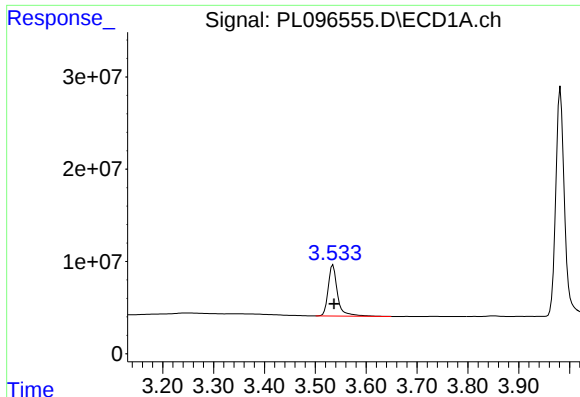
Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:31:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





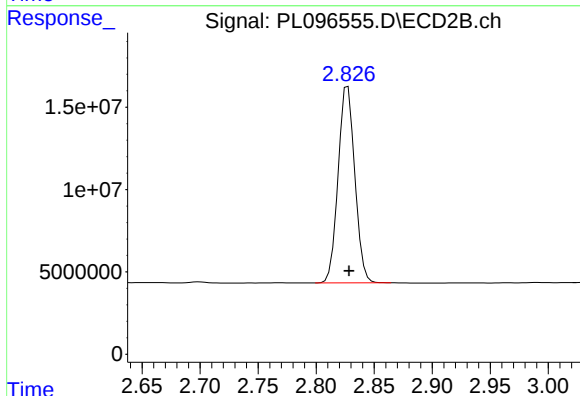
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 70699130
Conc: 19.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

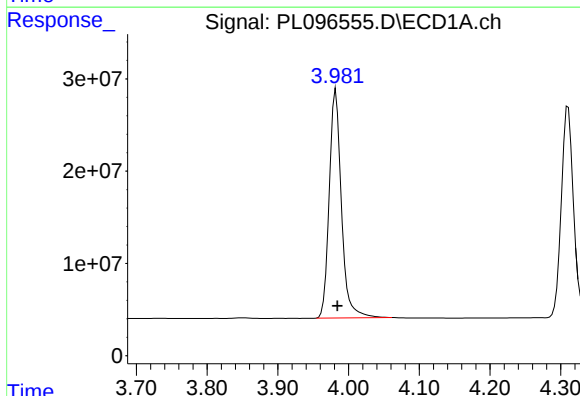
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



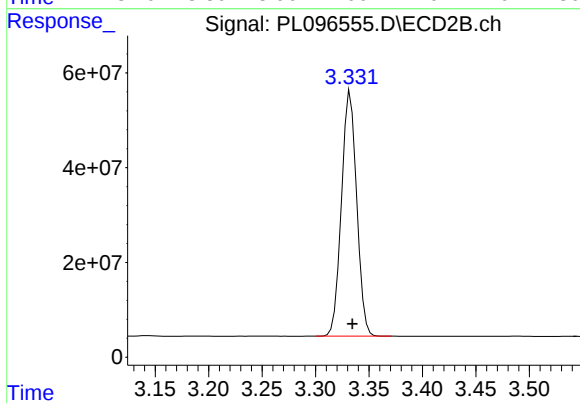
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 119645500
Conc: 20.73 ng/ml



#2 alpha-BHC

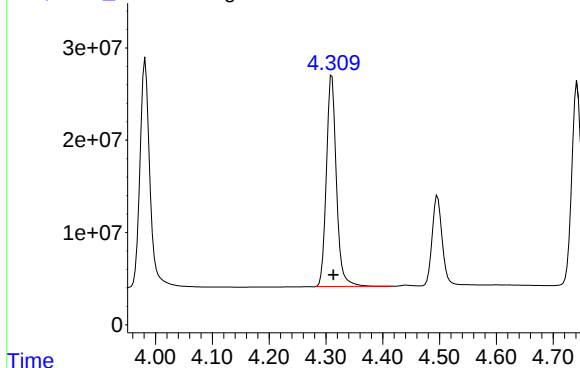
R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 296333852
Conc: 57.62 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 513022412
Conc: 60.83 ng/ml

Response_ Signal: PL096555.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 280890168
Conc: 56.41 ng/ml

Instrument :

ECD_L

ClientSampleId :

PB168984BS

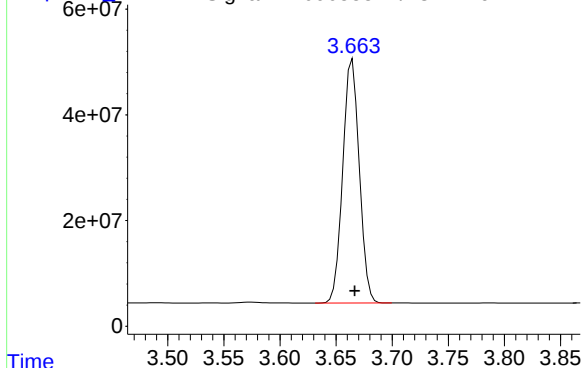
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/29/2025

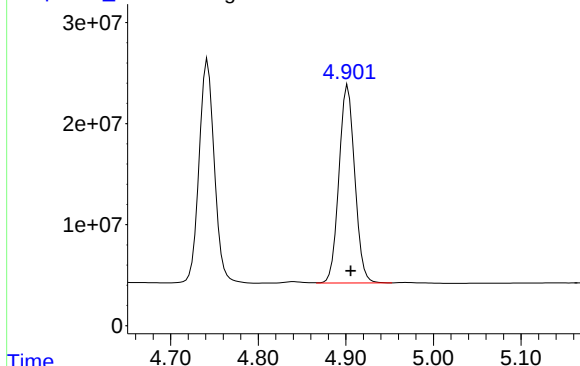
Response_ Signal: PL096555.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 472552389
Conc: 60.00 ng/ml

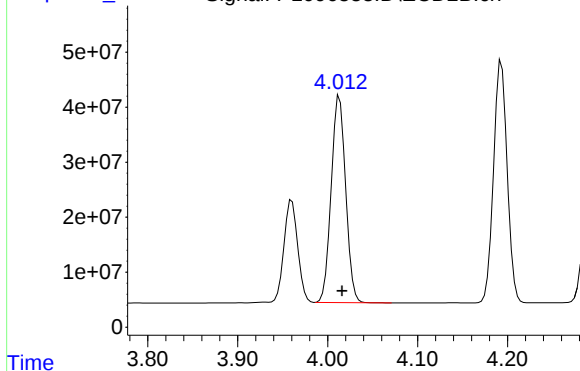
Response_ Signal: PL096555.D\ECD1A.ch



#4 Heptachlor

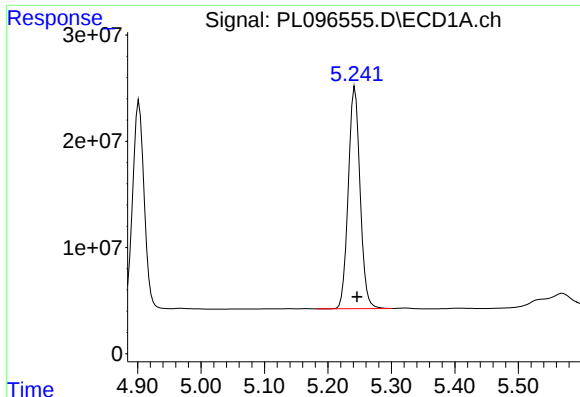
R.T.: 4.902 min
Delta R.T.: -0.003 min
Response: 244950541
Conc: 53.47 ng/ml

Response_ Signal: PL096555.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.003 min
Response: 419908960
Conc: 55.19 ng/ml



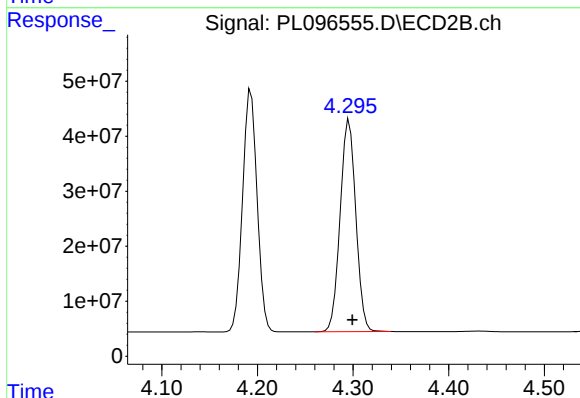
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 270028075
Conc: 55.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

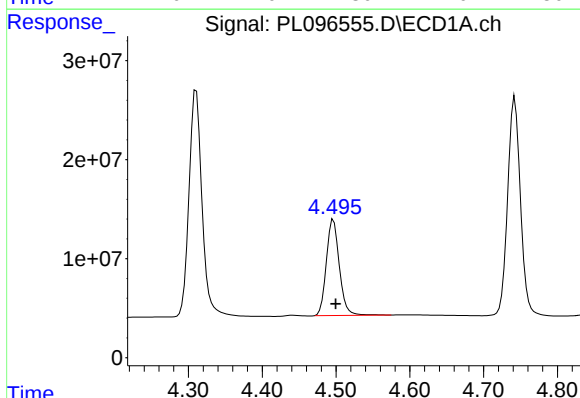
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



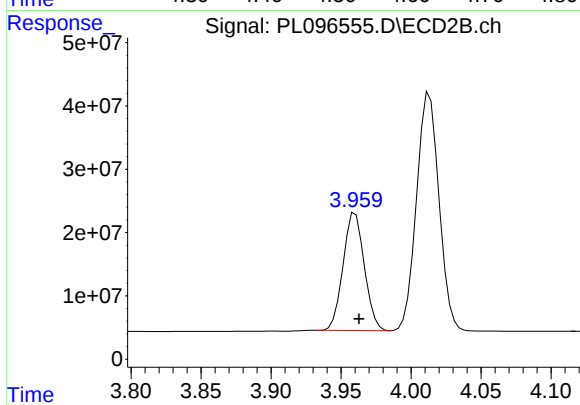
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.003 min
Response: 440388653
Conc: 60.36 ng/ml



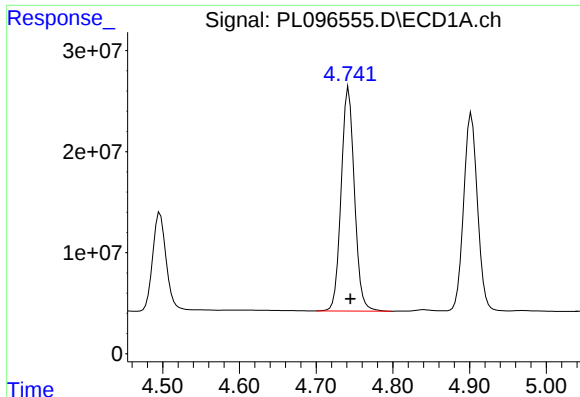
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 118651535
Conc: 57.08 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 196677126
Conc: 57.44 ng/ml



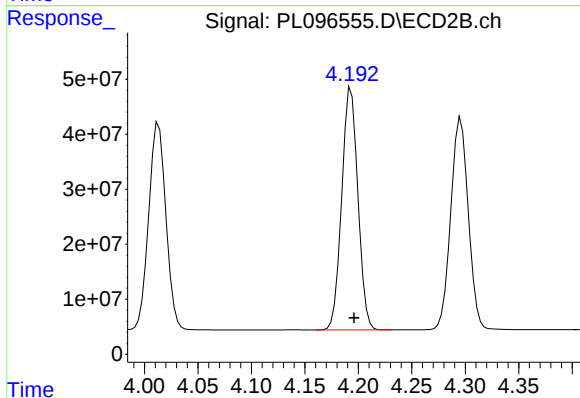
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: -0.002 min
Response: 266800241
Conc: 59.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

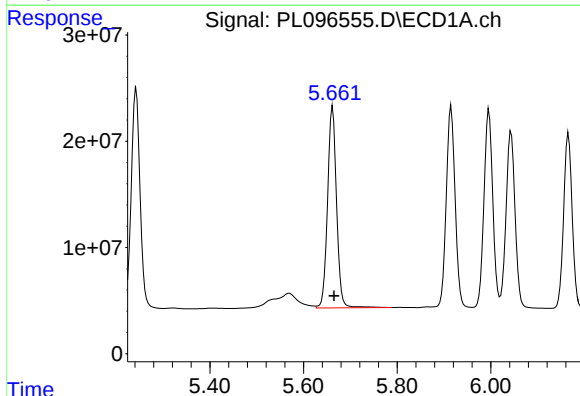
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



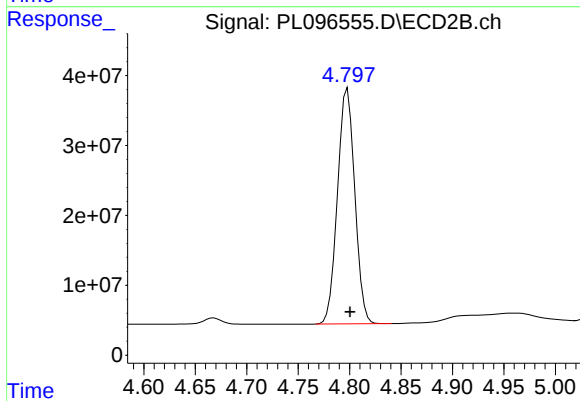
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 464183494
Conc: 60.27 ng/ml



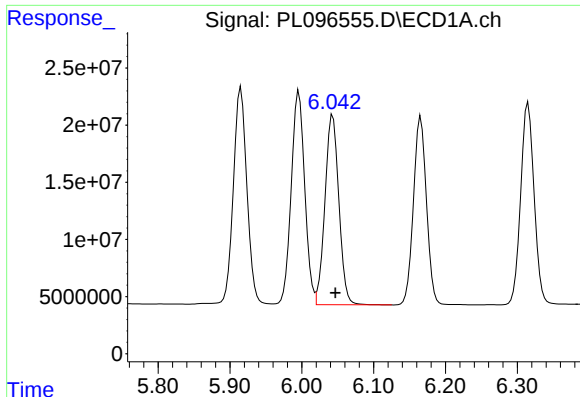
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 252772959
Conc: 60.92 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.002 min
Response: 394161954
Conc: 58.96 ng/ml



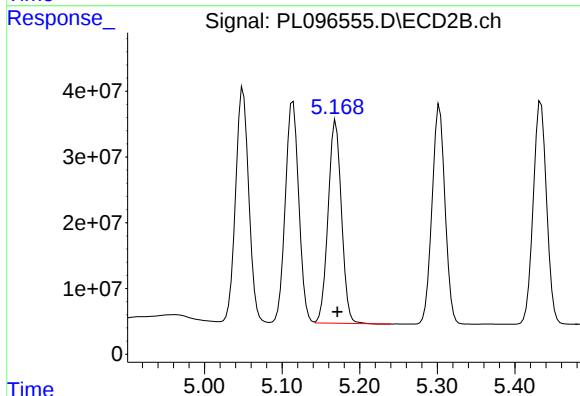
#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: -0.004 min
Response: 223278997
Conc: 55.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

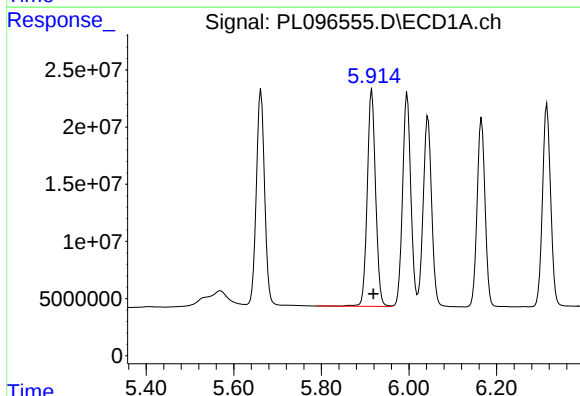
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



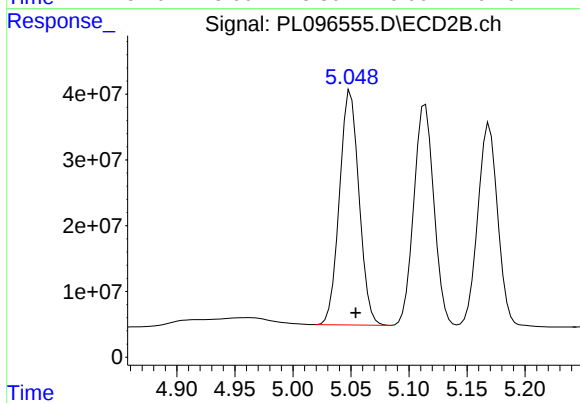
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.002 min
Response: 368039113
Conc: 51.30 ng/ml



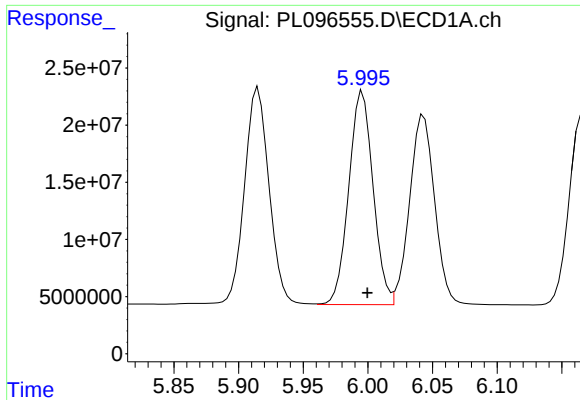
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 251736114
Conc: 56.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.005 min
Response: 418765997
Conc: 59.66 ng/ml



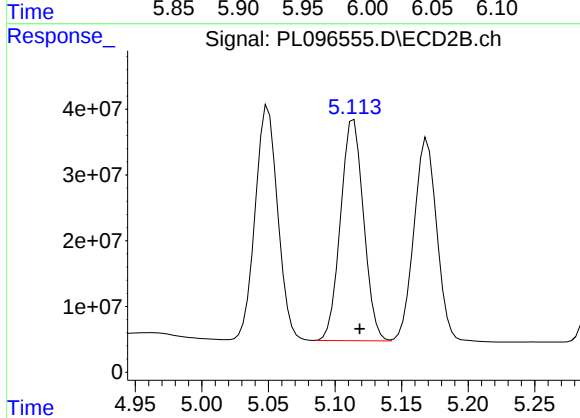
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: -0.004 min
Response: 243864571
Conc: 55.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

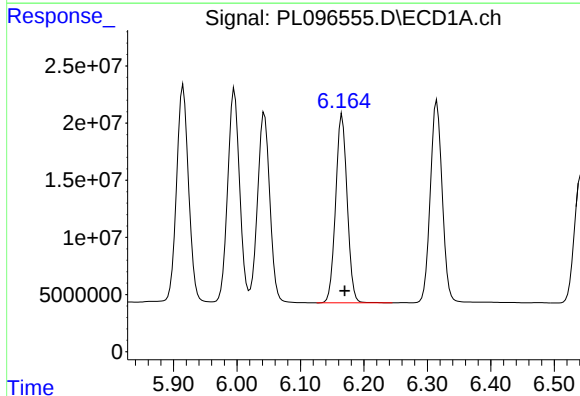
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



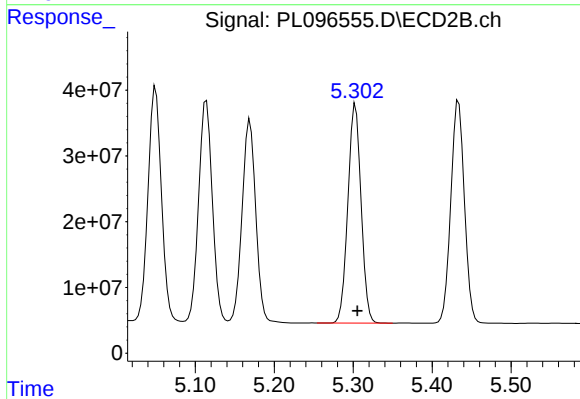
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 405659907
Conc: 53.94 ng/ml



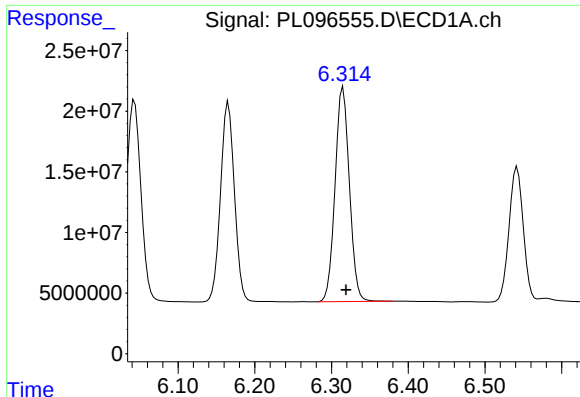
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 208053591
Conc: 56.12 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 387713234
Conc: 59.98 ng/ml



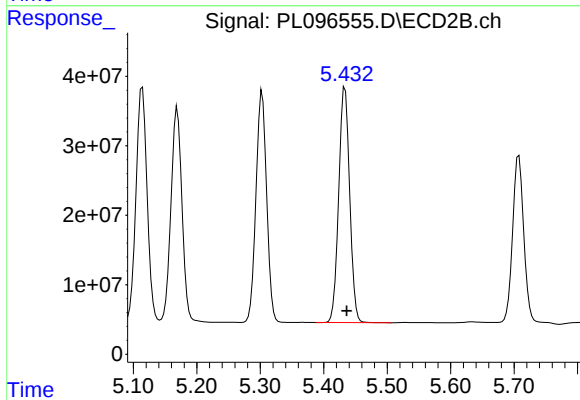
#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.004 min
Response: 229399604
Conc: 54.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

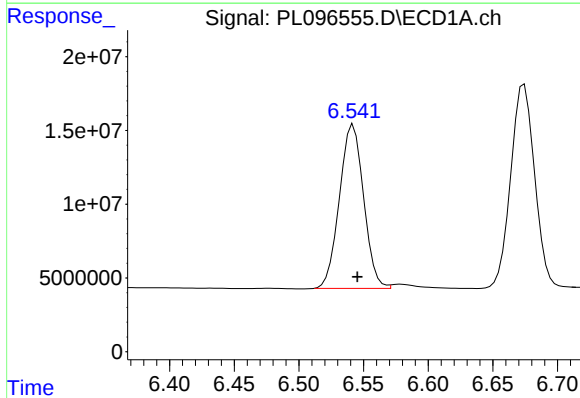
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



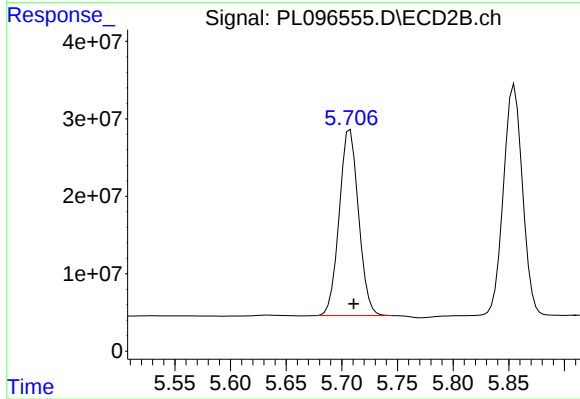
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 407228915
Conc: 59.72 ng/ml



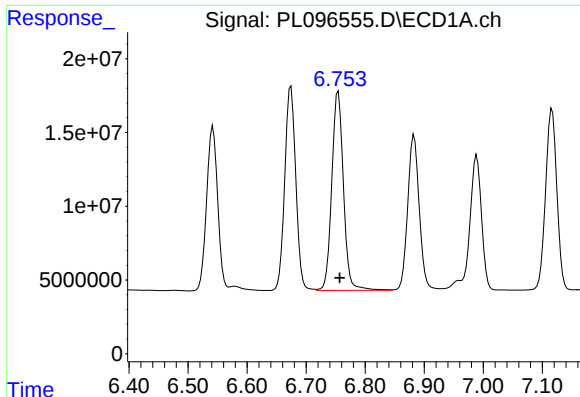
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 144474830
Conc: 46.45 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.003 min
Response: 290311417
Conc: 47.62 ng/ml



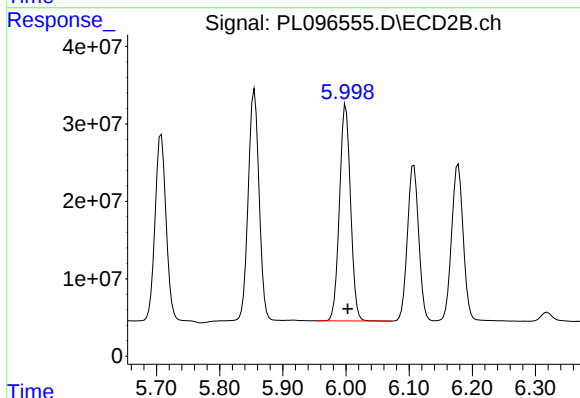
#15 Endosulfan II

R.T.: 6.754 min
Delta R.T.: -0.003 min
Response: 185832363
Conc: 53.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

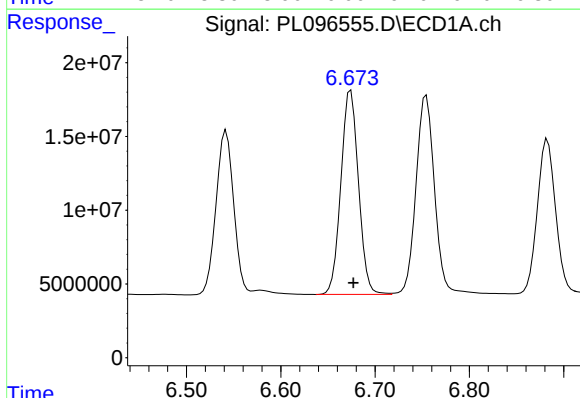
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



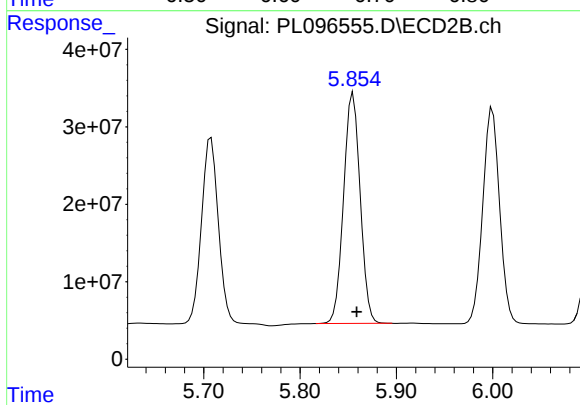
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 339938746
Conc: 57.97 ng/ml



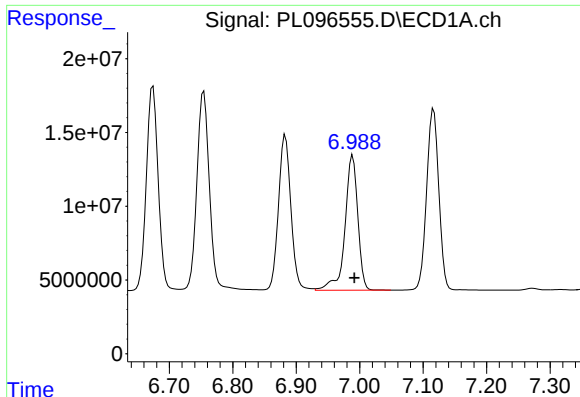
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 179431060
Conc: 61.62 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 354969461
Conc: 69.21 ng/ml



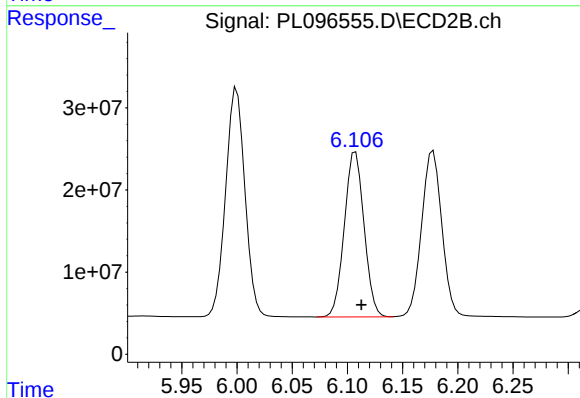
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 128362948
Conc: 42.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

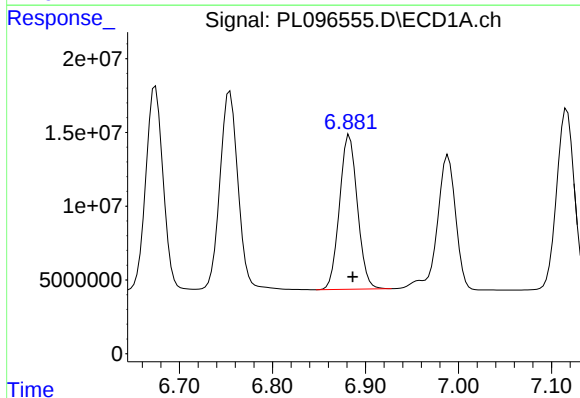
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



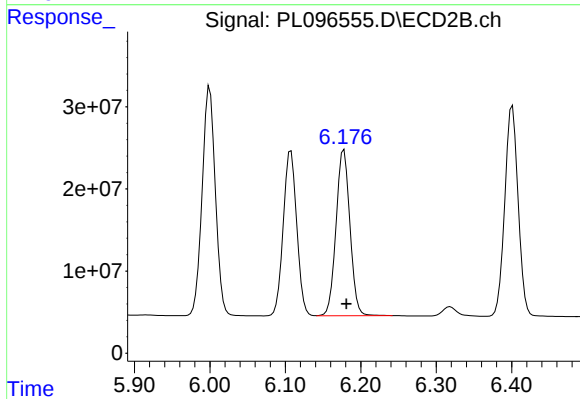
#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 249463494
Conc: 43.50 ng/ml



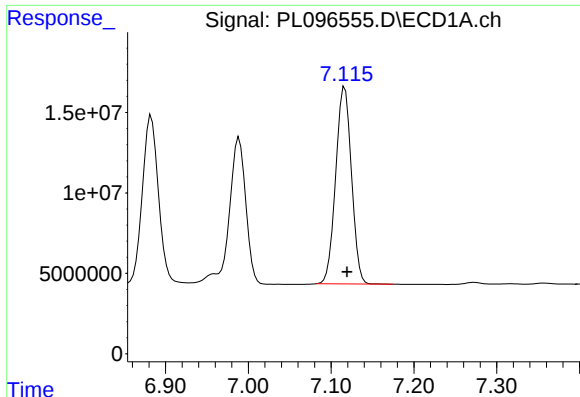
#18 Endrin aldehyde

R.T.: 6.881 min
Delta R.T.: -0.005 min
Response: 139936104
Conc: 62.60 ng/ml m



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 258628250
Conc: 58.06 ng/ml



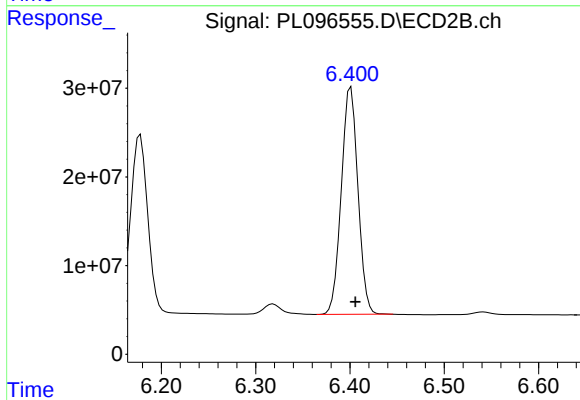
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: -0.003 min
Response: 162303587
Conc: 53.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

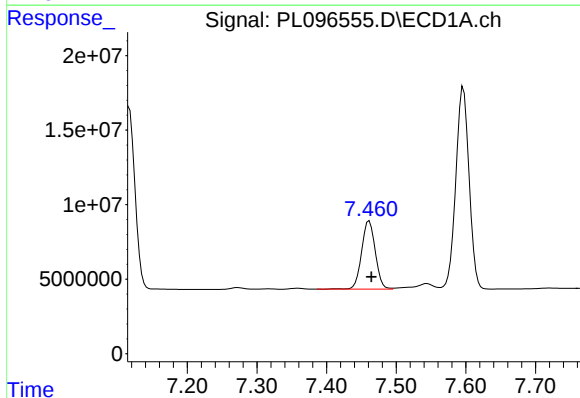
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Supervised By :mohammad ahmed 07/29/2025



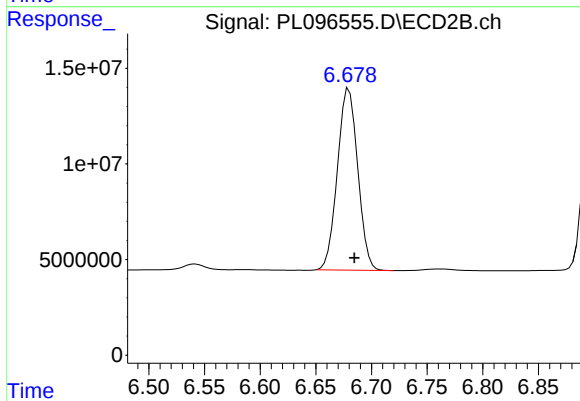
#19 Endosulfan Sulfate

R.T.: 6.401 min
Delta R.T.: -0.005 min
Response: 314893987
Conc: 55.99 ng/ml



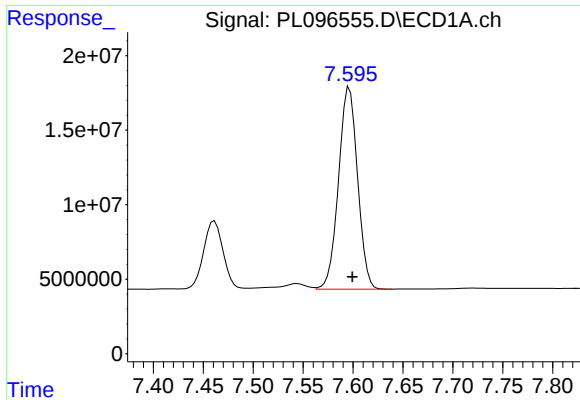
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.003 min
Response: 62530226
Conc: 39.69 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.005 min
Response: 120720027
Conc: 39.74 ng/ml



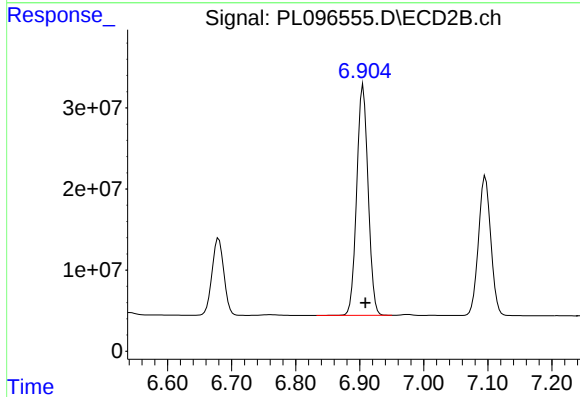
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 179851937
Conc: 54.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168984BS

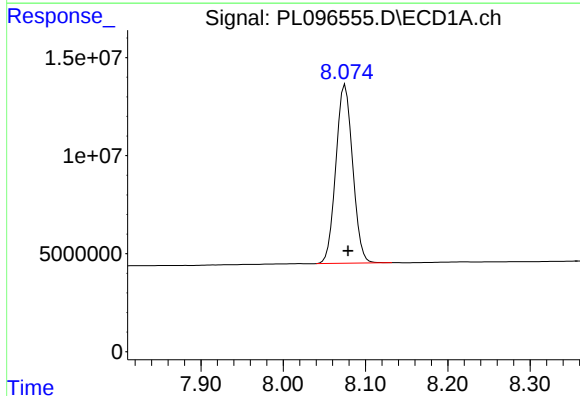
Manual Integrations
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Supervised By :mohammad ahmed 07/29/2025



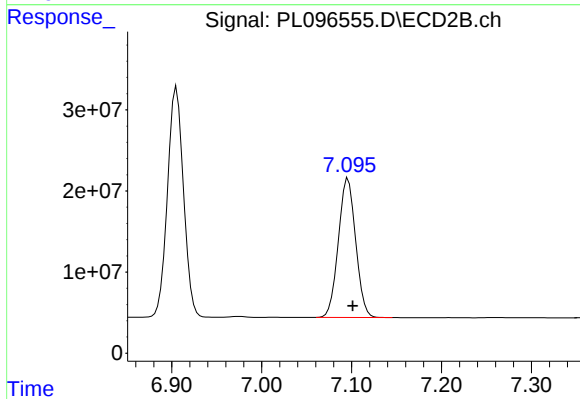
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.004 min
Response: 351420321
Conc: 56.21 ng/ml



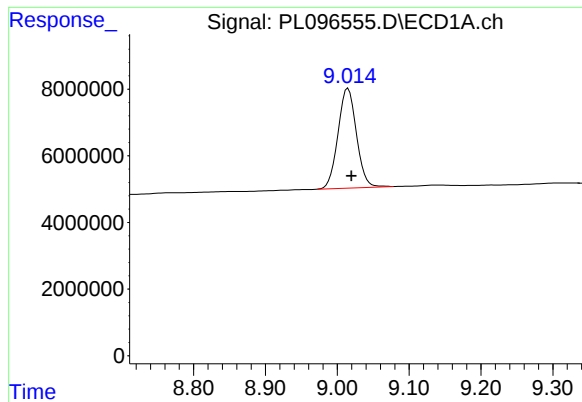
#22 Mirex

R.T.: 8.075 min
Delta R.T.: -0.003 min
Response: 129278247
Conc: 46.47 ng/ml



#22 Mirex

R.T.: 7.096 min
Delta R.T.: -0.005 min
Response: 229243928
Conc: 46.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 53333178
Conc: 18.96 ng/ml

Instrument :

ECD_L

ClientSampleId :

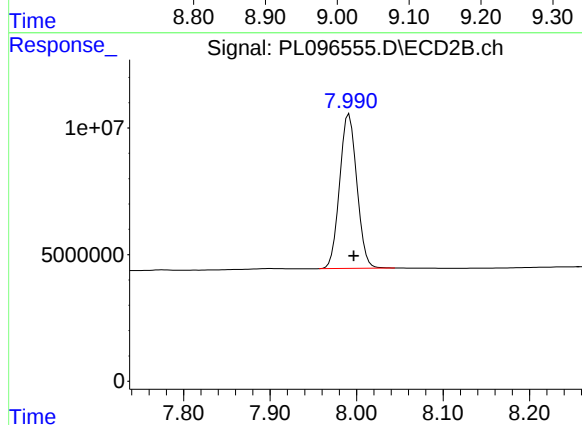
PB168984BS

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#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 83924263
Conc: 16.83 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	07/16/25
Project:	RFP 905A	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MS	SDG No.:	Q2641
Lab Sample ID:	Q2641-02MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096560.D	1	07/23/25 12:15	07/24/25 17:02	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.70		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.80		0.096	0.50	ug/L
72-20-8	Endrin	5.40		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.50		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		57 - 171	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		61 - 148	109%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096560.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 17:02
 Operator : AR\AJ
 Sample : Q2641-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-CONCRETE001-01MS

Manual Integrations
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 Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:32:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.828	76390600	125.7E6	20.935	21.783
28)	SA Decachlor...	9.017	7.993	59074999	95176800	21.000	19.087
Target Compounds							
2)	A alpha-BHC	3.983	3.333	285.8E6	487.8E6	55.578	57.839
3)	MA gamma-BHC...	4.309	3.665	278.8E6	451.7E6	55.985m	57.351
4)	MA Heptachlor	4.903	4.014	249.8E6	418.9E6	54.528	55.068
5)	MB Aldrin	5.243	4.296	258.4E6	409.6E6	53.462	56.147
6)	B beta-BHC	4.497	3.961	114.5E6	190.8E6	55.067	55.714
7)	B delta-BHC	4.743	4.194	255.0E6	427.2E6	56.897	55.464
8)	B Heptachlo...	5.663	4.798	242.0E6	379.7E6	58.321	56.802
9)	A Endosulfan I	6.044	5.169	168.1E6	263.3E6	41.628	36.696
10)	B gamma-Chl...	5.917	5.050	247.4E6	402.6E6	55.911	57.354
11)	B alpha-Chl...	5.997	5.114	242.5E6	391.9E6	55.386	52.118
12)	B 4,4'-DDE	6.166	5.303	207.2E6	375.4E6	55.899	58.072
13)	MA Dieldrin	6.316	5.434	232.7E6	398.6E6	55.022	58.455
14)	MA Endrin	6.543	5.708	167.5E6	322.3E6	53.860	52.874
15)	B Endosulfa...	6.756	6.000	99724499	181.2E6	28.739	30.905
16)	A 4,4'-DDD	6.676	5.854	176.3E6	366.9E6	60.558	71.531m
17)	MA 4,4'-DDT	6.990	6.108	142.4E6	273.3E6	46.924	47.661
18)	B Endrin al...	6.884	6.178	144.3E6	264.0E6	64.539	59.259
19)	B Endosulfa...	7.118	6.402	161.7E6	323.2E6	52.858	57.466
20)	A Methoxychlor	7.463	6.681	69738682	136.4E6	44.267	44.909
21)	B Endrin ke...	7.598	6.906	173.2E6	339.8E6	52.449	54.349
22)	Mirex	8.078	7.097	138.7E6	245.9E6	49.840	49.490

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:02
Operator : AR\AJ
Sample : Q2641-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

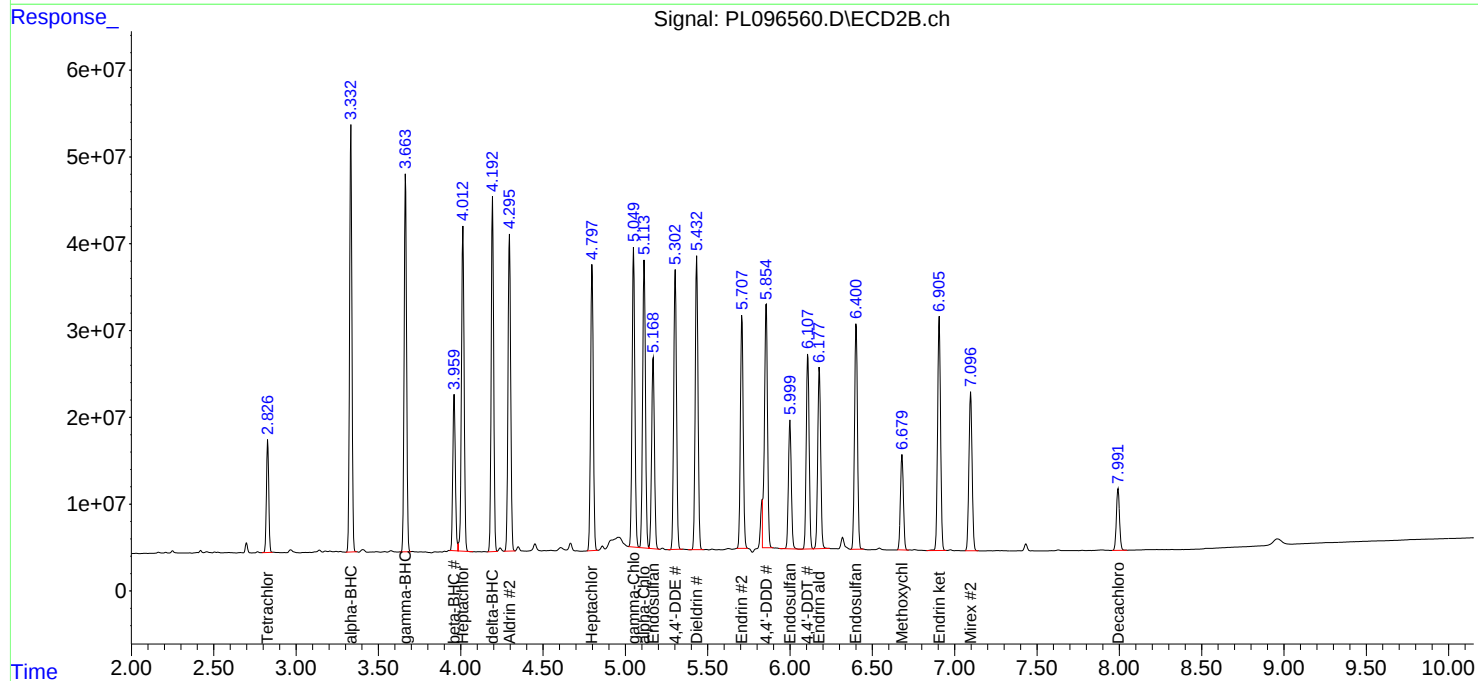
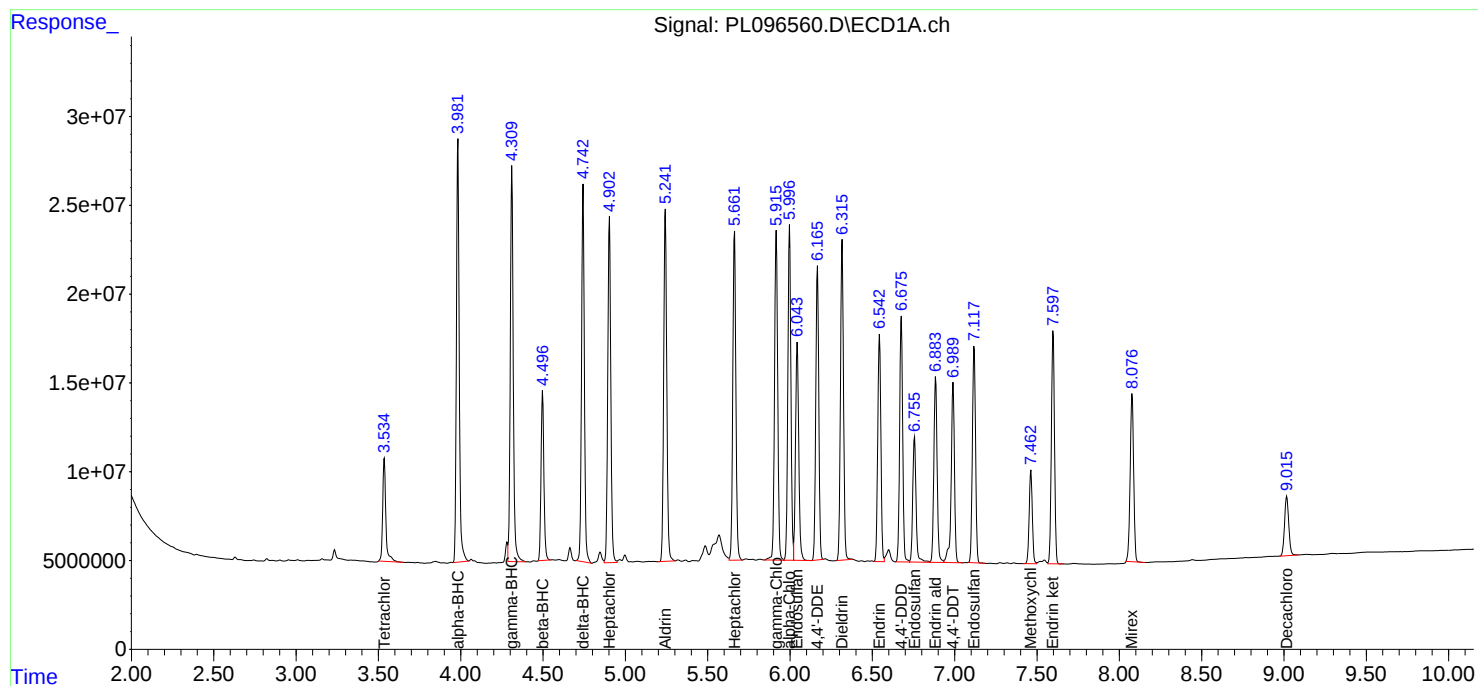
Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

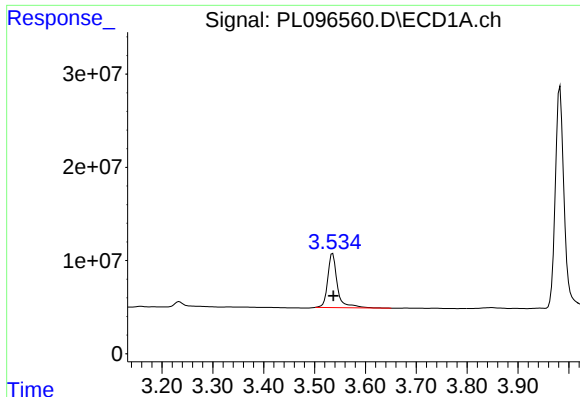
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





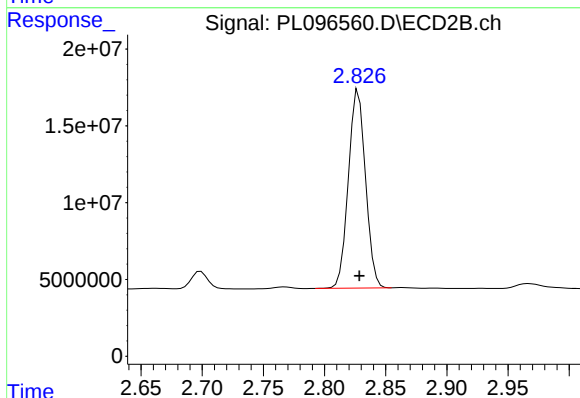
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 76390600
Conc: 20.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

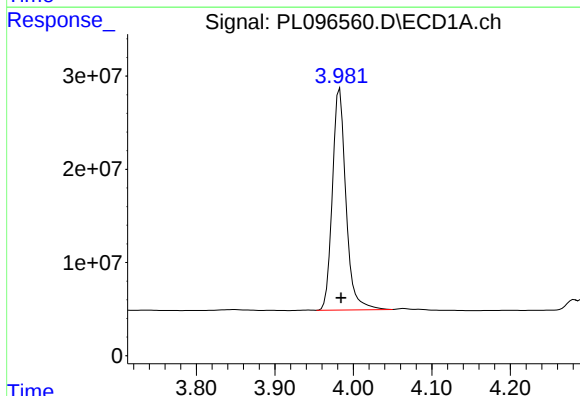
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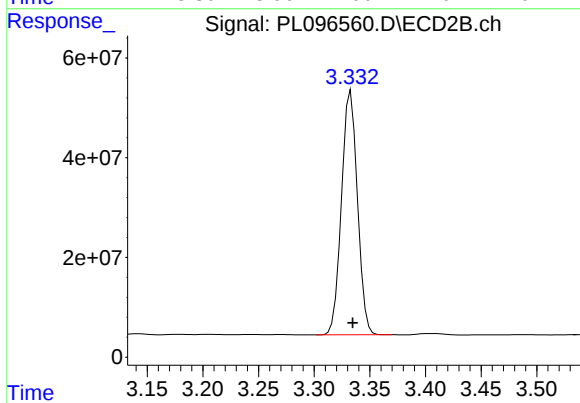
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 125712021
Conc: 21.78 ng/ml



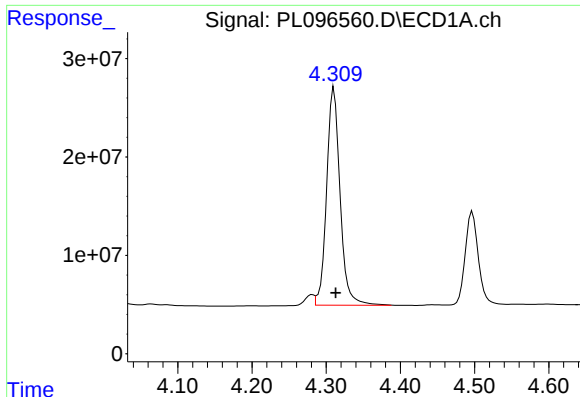
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.002 min
Response: 285844302
Conc: 55.58 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 487836474
Conc: 57.84 ng/ml



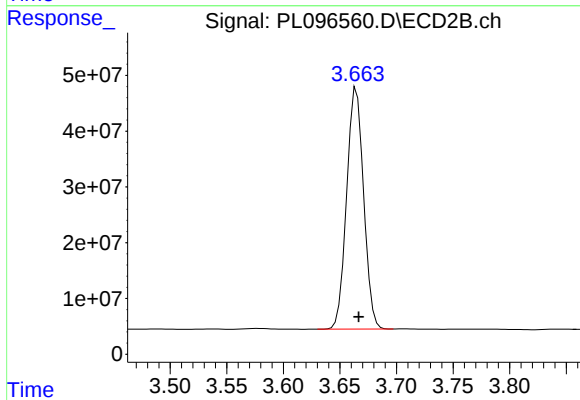
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.004 min
Response: 278787138
Conc: 55.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

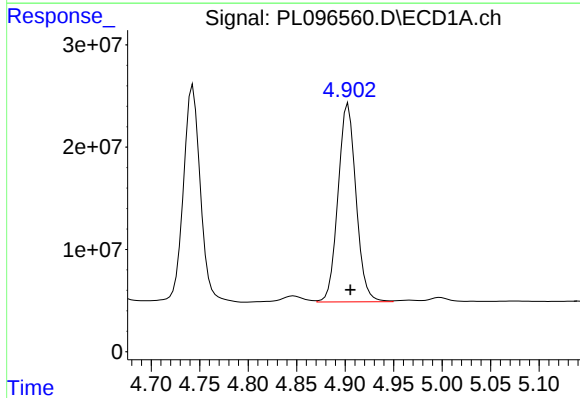
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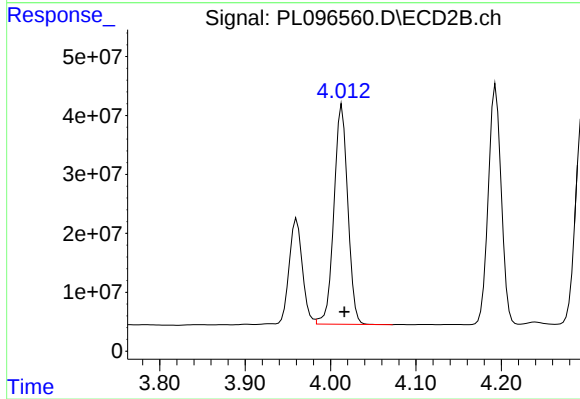
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 451689964
Conc: 57.35 ng/ml



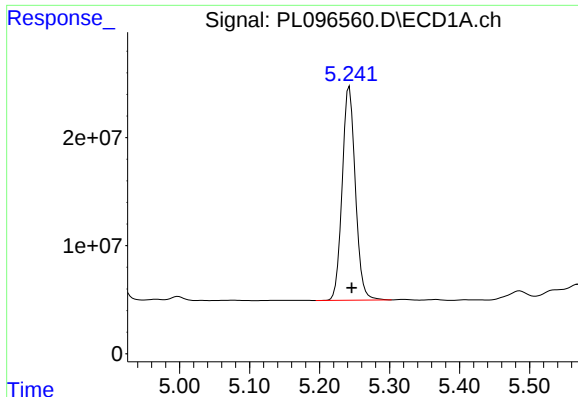
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 249803614
Conc: 54.53 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 418942340
Conc: 55.07 ng/ml



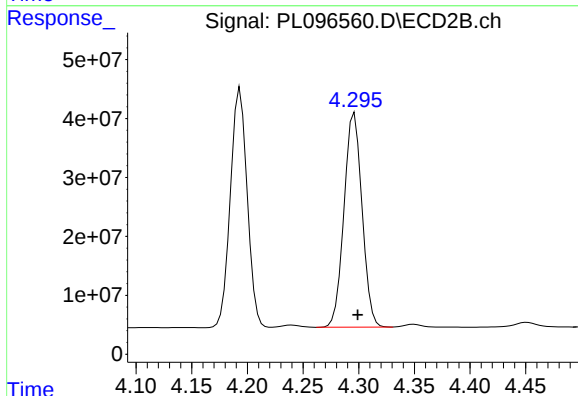
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 258420779
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

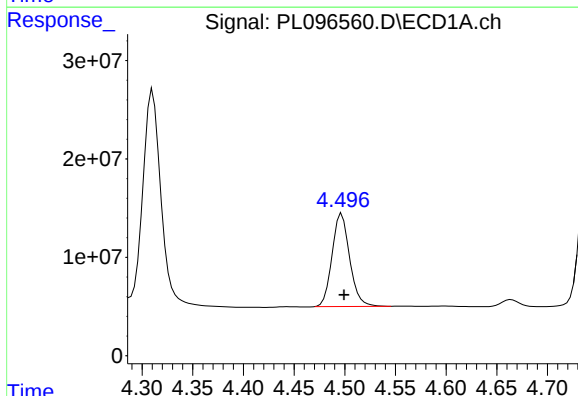
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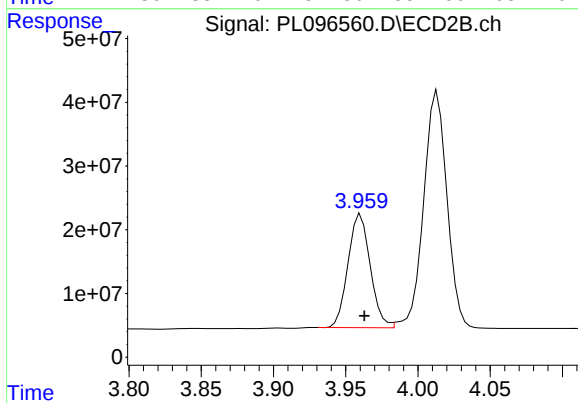
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.003 min
Response: 409628593
Conc: 56.15 ng/ml



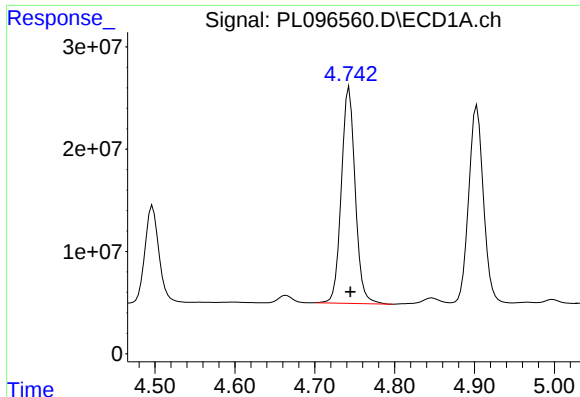
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 114473789
Conc: 55.07 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 190759406
Conc: 55.71 ng/ml



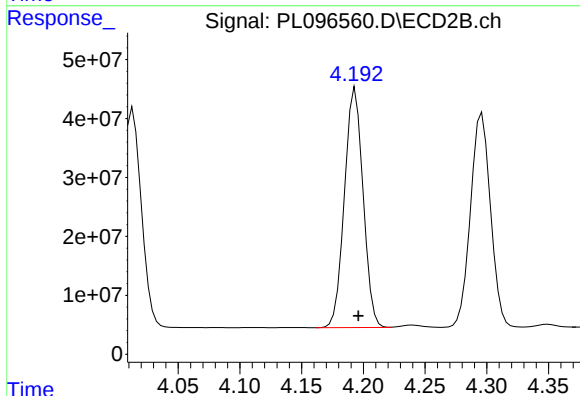
#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 254974052
Conc: 56.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

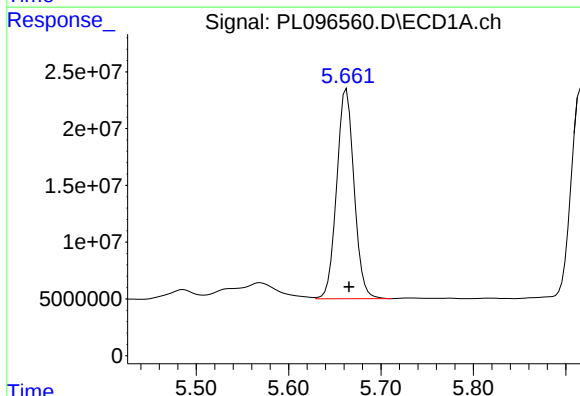
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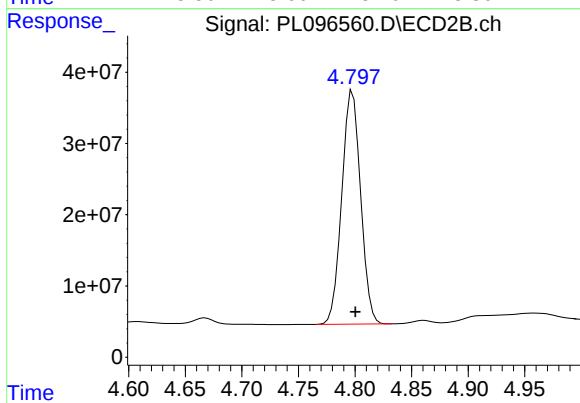
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 427181754
Conc: 55.46 ng/ml



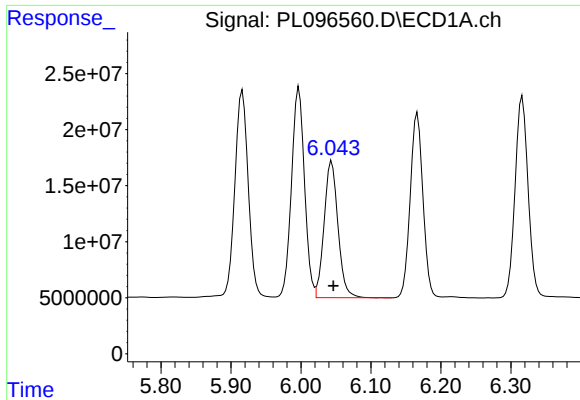
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 241982250
Conc: 58.32 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.002 min
Response: 379717204
Conc: 56.80 ng/ml



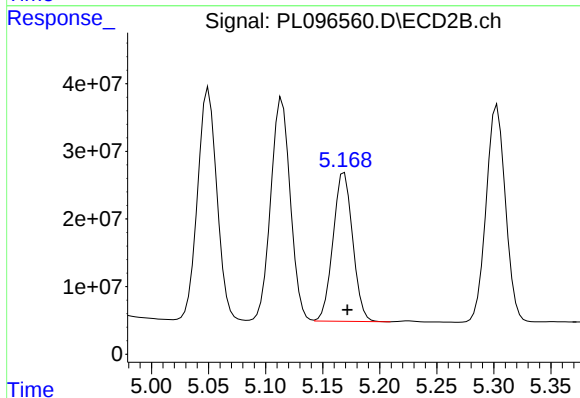
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 168063417
Conc: 41.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

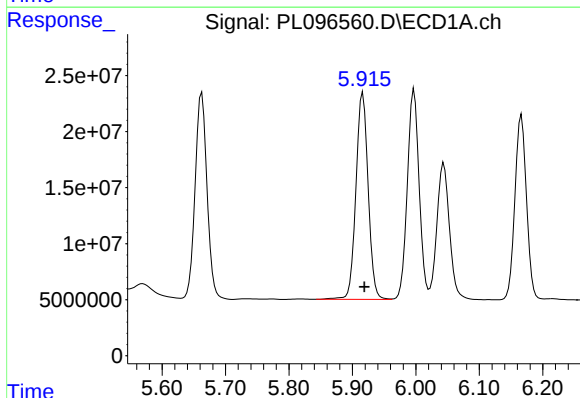
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Supervised By :mohammad ahmed 07/29/2025



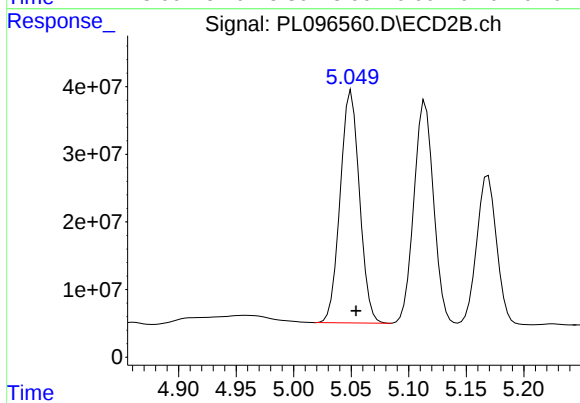
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.003 min
Response: 263265620
Conc: 36.70 ng/ml



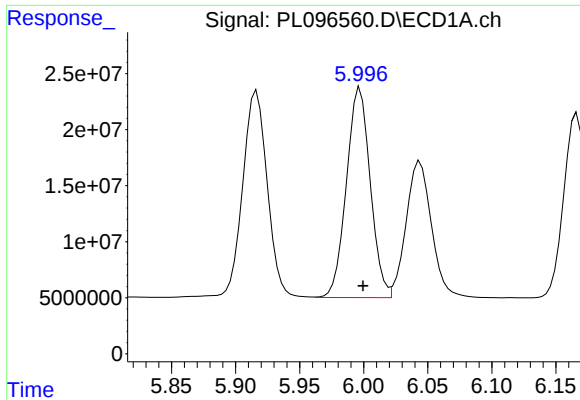
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 247394126
Conc: 55.91 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 402609614
Conc: 57.35 ng/ml



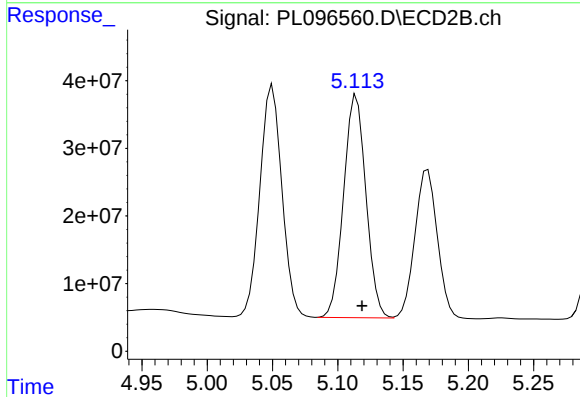
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 242525172
Conc: 55.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

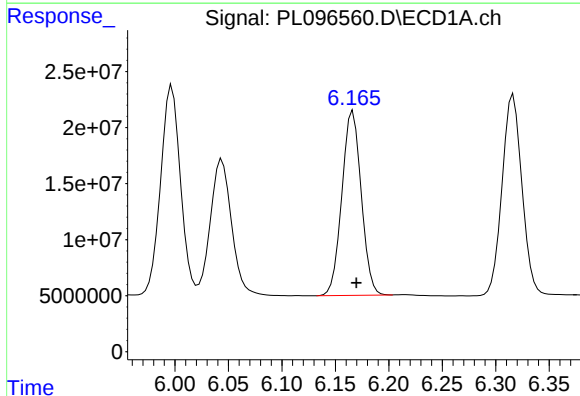
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



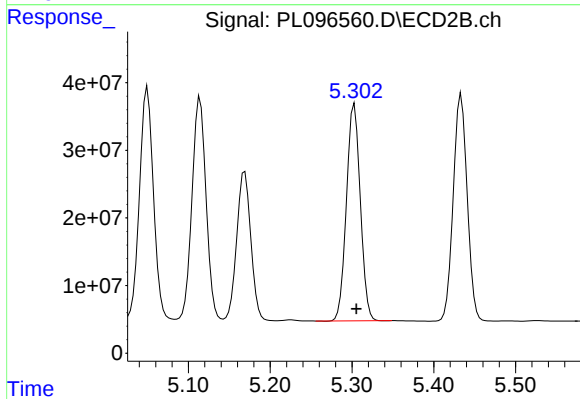
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 391943036
Conc: 52.12 ng/ml



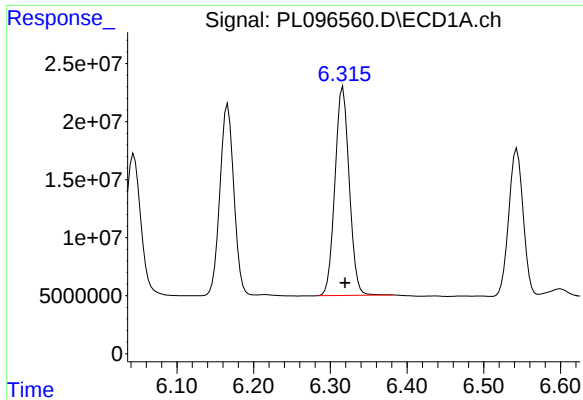
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.003 min
Response: 207243468
Conc: 55.90 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 375358022
Conc: 58.07 ng/ml



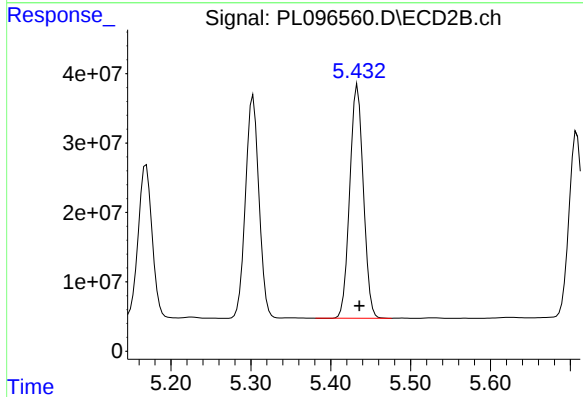
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 232655853
Conc: 55.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

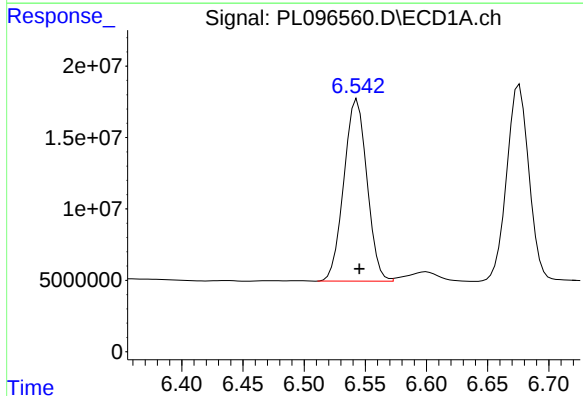
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/29/2025



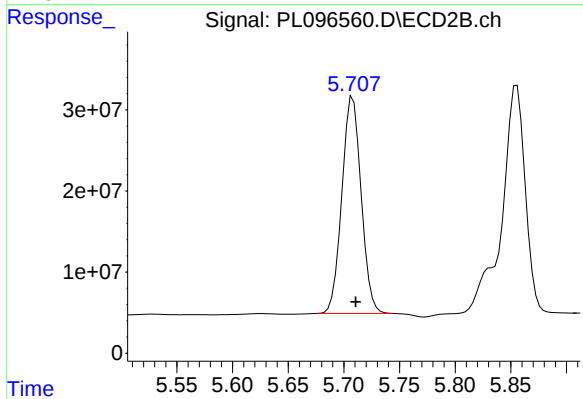
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.003 min
Response: 398617589
Conc: 58.45 ng/ml



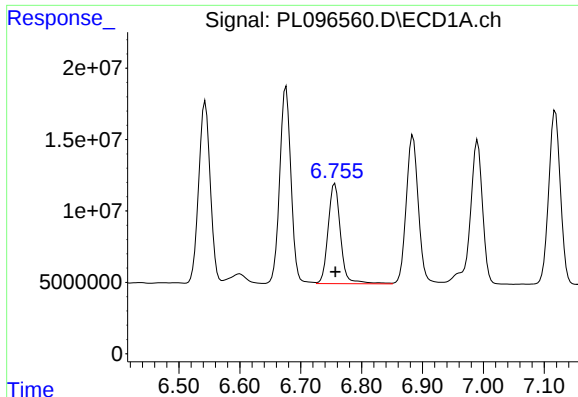
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 167514620
Conc: 53.86 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: -0.003 min
Response: 322349373
Conc: 52.87 ng/ml



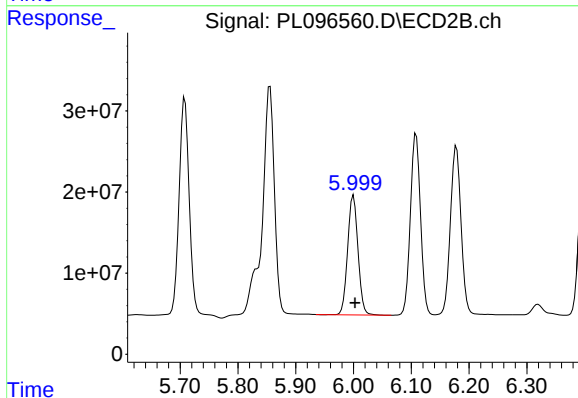
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: 0.000 min
Response: 99724499
Conc: 28.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

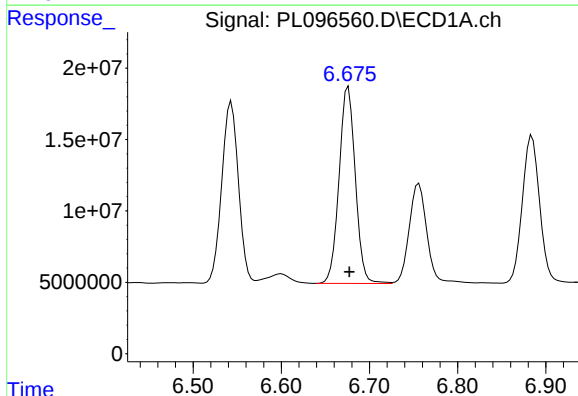
Manual Integrations
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Supervised By :mohammad ahmed 07/29/2025



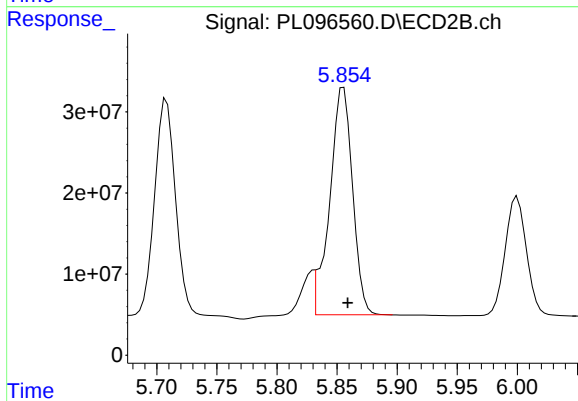
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 181223445
Conc: 30.90 ng/ml



#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 176326211
Conc: 60.56 ng/ml



#16 4,4'-DDD

R.T.: 5.854 min
Delta R.T.: -0.005 min
Response: 366861508
Conc: 71.53 ng/ml m

Response_ Signal: PL096560.D\ECD1A.ch

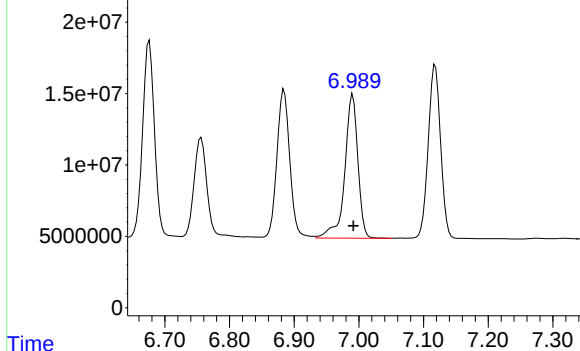
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.001 min
Response: 142424874
Conc: 46.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations
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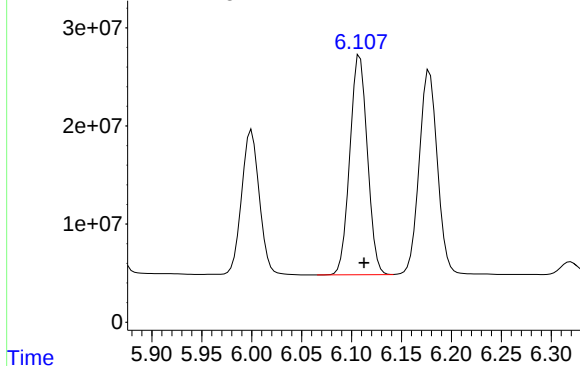
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



Response_ Signal: PL096560.D\ECD2B.ch

#17 4,4'-DDT

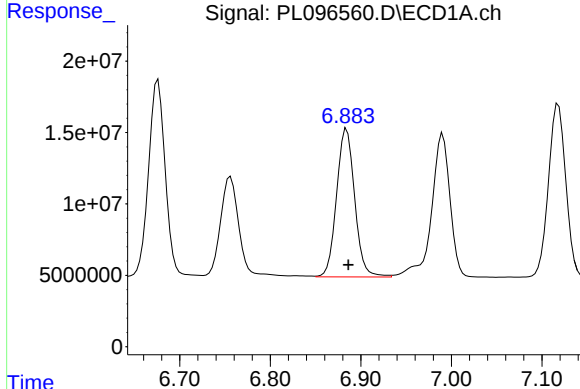
R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 273344445
Conc: 47.66 ng/ml



Response_ Signal: PL096560.D\ECD1A.ch

#18 Endrin aldehyde

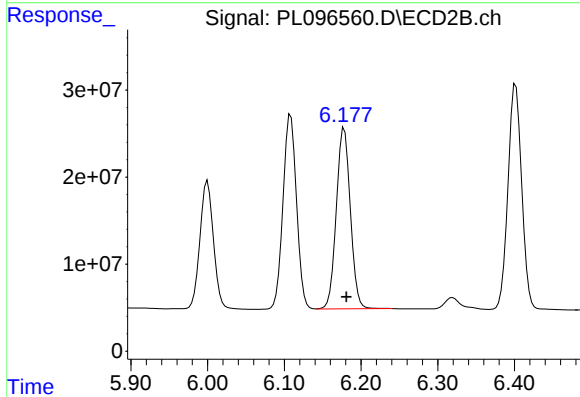
R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 144280084
Conc: 64.54 ng/ml

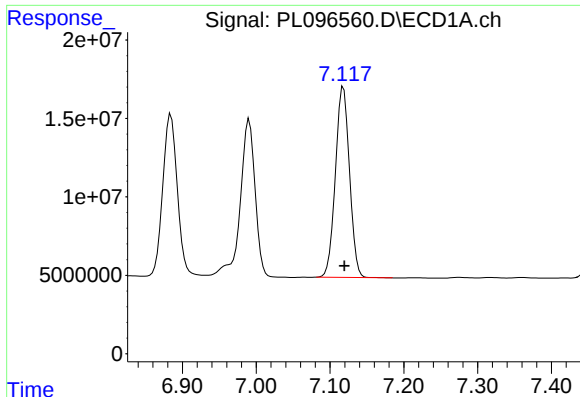


Response_ Signal: PL096560.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 263976076
Conc: 59.26 ng/ml





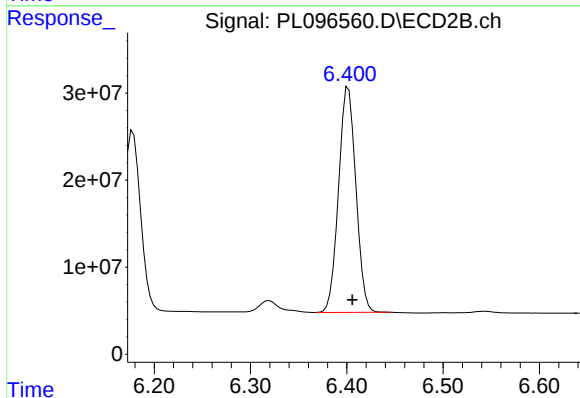
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: -0.001 min
Response: 161683593
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

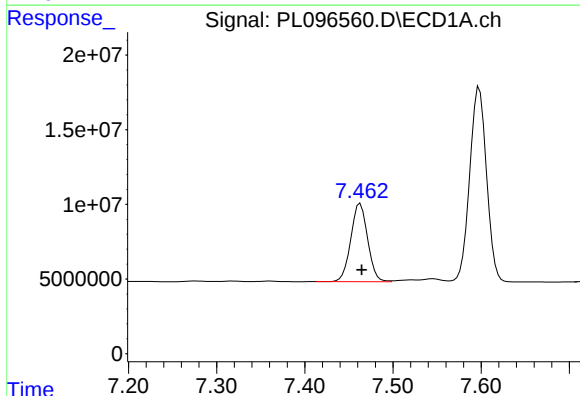
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



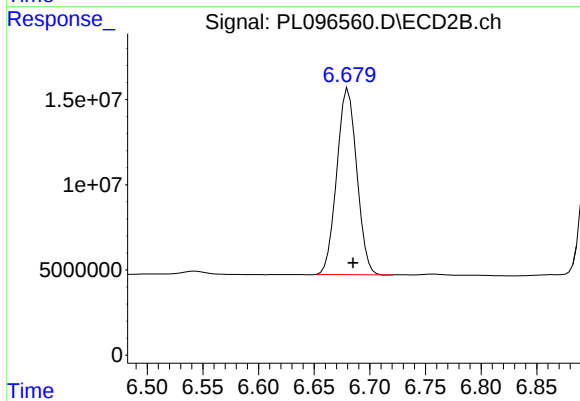
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 323210862
Conc: 57.47 ng/ml



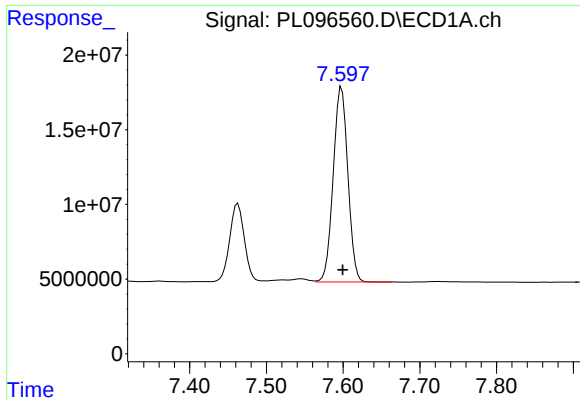
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.002 min
Response: 69738682
Conc: 44.27 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 136423891
Conc: 44.91 ng/ml



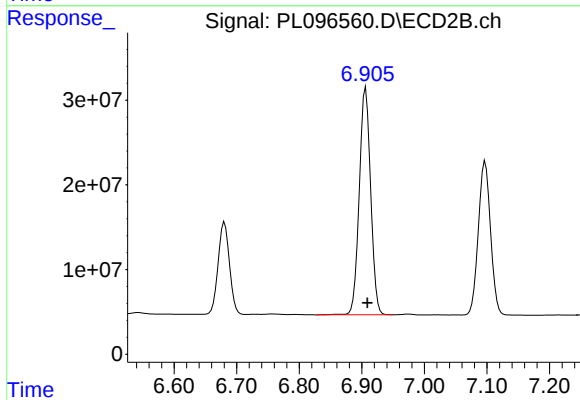
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.001 min
Response: 173165727
Conc: 52.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

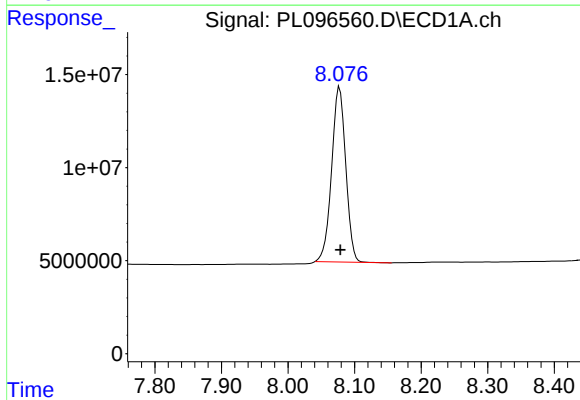
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



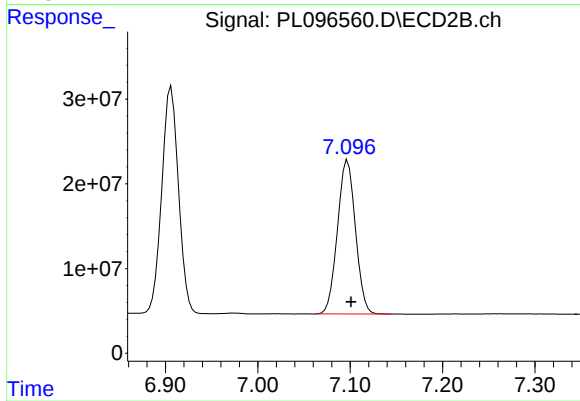
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 339801673
Conc: 54.35 ng/ml



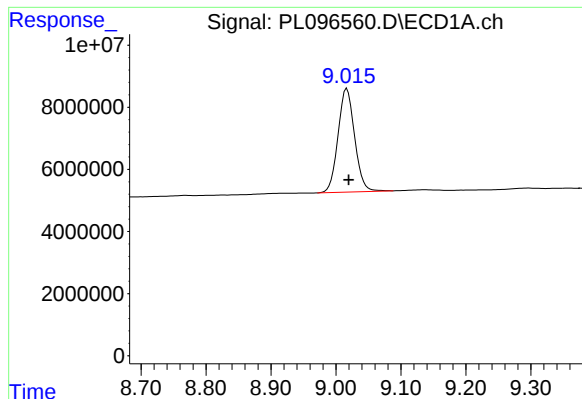
#22 Mirex

R.T.: 8.078 min
Delta R.T.: -0.001 min
Response: 138666056
Conc: 49.84 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 245875202
Conc: 49.49 ng/ml



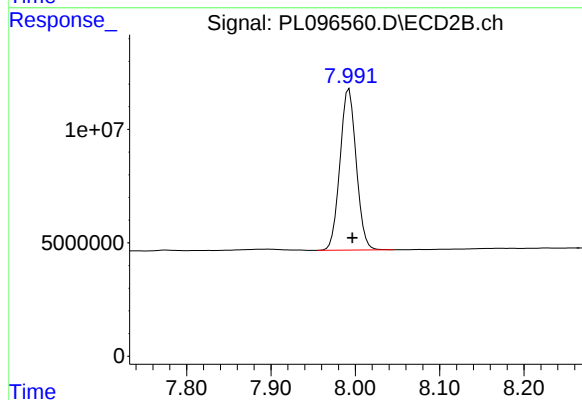
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: -0.003 min
Response: 59074999
Conc: 21.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 95176800
Conc: 19.09 ng/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	07/16/25
Project:	RFP 905A	Date Received:	07/18/25
Client Sample ID:	P001-CONCRETE001-01MSD	SDG No.:	Q2641
Lab Sample ID:	Q2641-02MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096561.D	1	07/23/25 12:15	07/24/25 17:15	PB168984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.60		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.70		0.096	0.50	ug/L
72-20-8	Endrin	5.30		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.50		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		57 - 171	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		61 - 148	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096561.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 17:15
 Operator : AR\AJ
 Sample : Q2641-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 P001-CONCRETE001-01MSD

Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
 Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:32:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.829	75248288	123.7E6	20.622	21.438
28)	SA Decachlor...	9.017	7.992	57830485	95607667	20.558	19.173
Target Compounds							
2)	A alpha-BHC	3.983	3.334	281.9E6	479.8E6	54.817	56.887
3)	MA gamma-BHC...	4.310	3.665	276.5E6	444.2E6	55.533m	56.400
4)	MA Heptachlor	4.904	4.015	245.7E6	412.0E6	53.634	54.158
5)	MB Aldrin	5.243	4.297	255.6E6	402.9E6	52.887	55.230
6)	B beta-BHC	4.497	3.962	113.5E6	187.4E6	54.590	54.721
7)	B delta-BHC	4.744	4.195	252.4E6	420.5E6	56.333	54.594
8)	B Heptachlo...	5.663	4.799	238.1E6	374.8E6	57.392	56.064
9)	A Endosulfan I	6.045	5.170	164.2E6	259.6E6	40.660	36.192
10)	B gamma-Chl...	5.917	5.051	240.8E6	396.8E6	54.412	56.529
11)	B alpha-Chl...	5.997	5.115	237.8E6	386.7E6	54.303	51.419
12)	B 4,4'-DDE	6.167	5.304	203.5E6	370.6E6	54.891	57.339
13)	MA Dieldrin	6.316	5.435	227.4E6	393.3E6	53.770	57.678
14)	MA Endrin	6.543	5.709	165.4E6	318.0E6	53.191	52.164
15)	B Endosulfa...	6.756	6.001	96385480	179.0E6	27.776	30.528
16)	A 4,4'-DDD	6.675	5.855	174.1E6	372.3E6	59.792	72.582m
17)	MA 4,4'-DDT	6.990	6.109	139.6E6	269.0E6	45.978	46.909
18)	B Endrin al...	6.884	6.179	141.2E6	263.3E6	63.161	59.116
19)	B Endosulfa...	7.118	6.403	159.4E6	322.4E6	52.104	57.329
20)	A Methoxychlor	7.462	6.681	69060408	136.1E6	43.837	44.802
21)	B Endrin ke...	7.597	6.907	170.8E6	339.5E6	51.736	54.296
22)	Mirex	8.076	7.097	139.4E6	245.5E6	50.115m	49.416

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
Data File : PL096561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:15
Operator : AR\AJ
Sample : Q2641-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

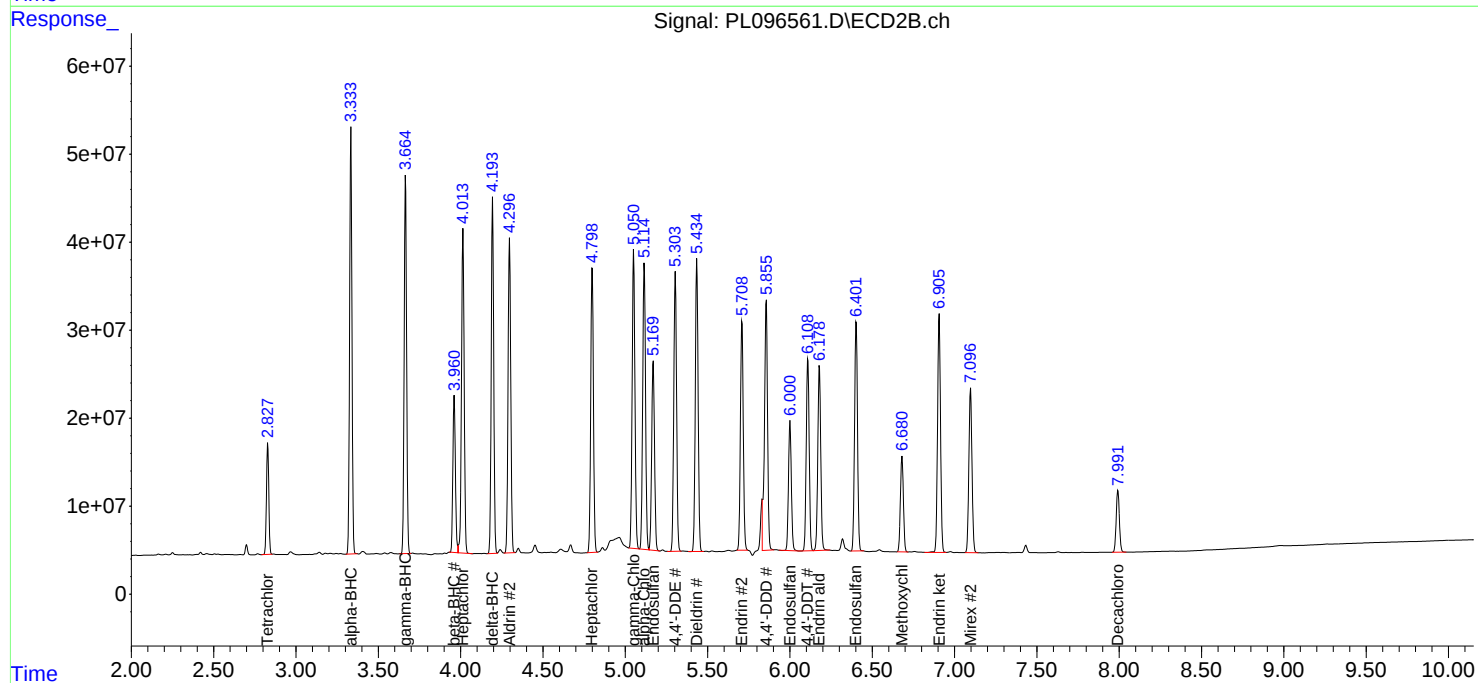
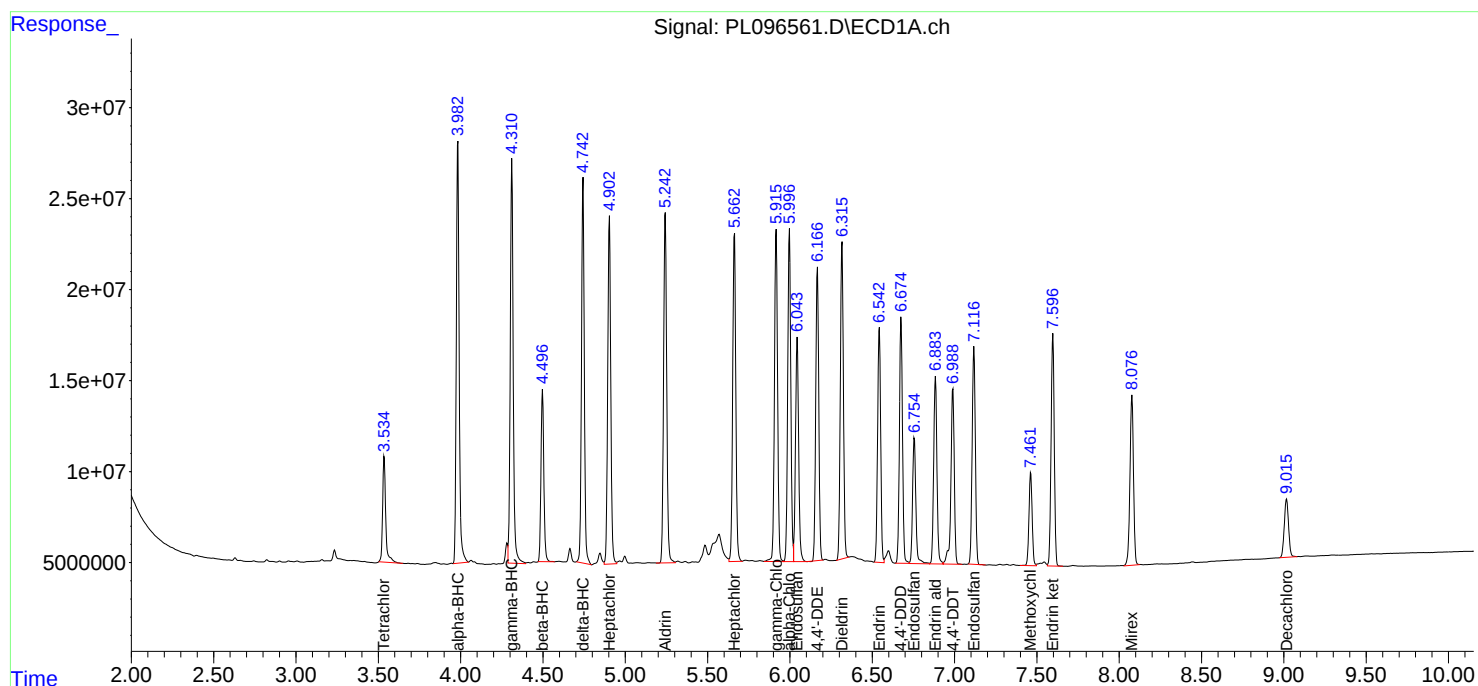
Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

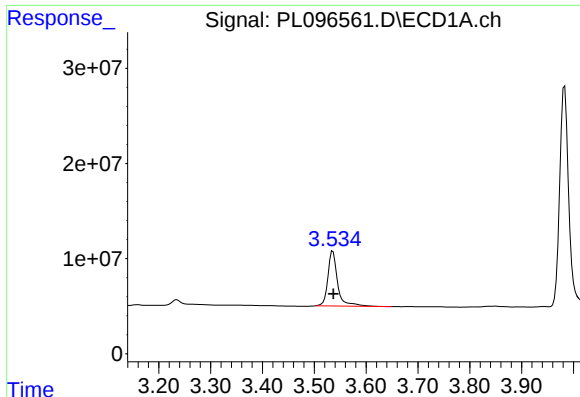
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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





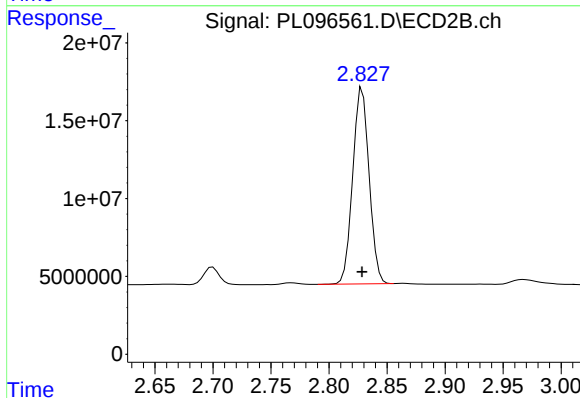
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 75248288
Conc: 20.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

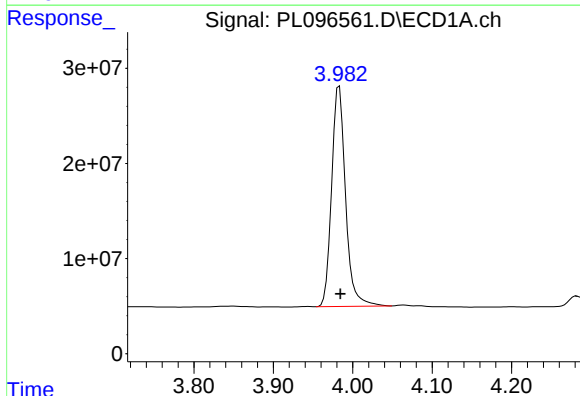
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



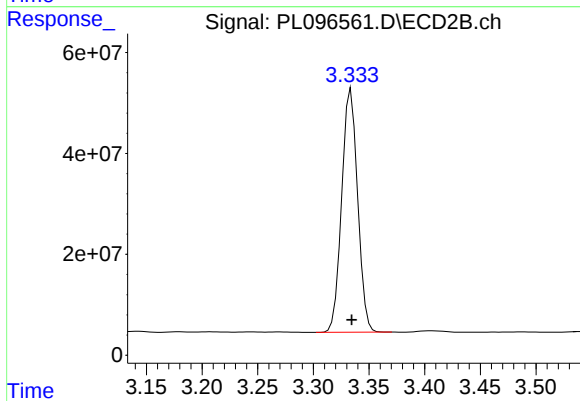
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 123722831
Conc: 21.44 ng/ml



#2 alpha-BHC

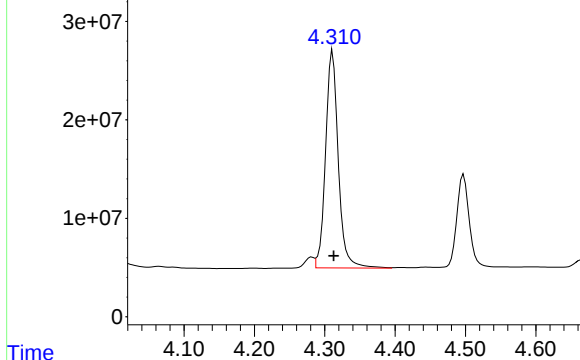
R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 281929954
Conc: 54.82 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 479801866
Conc: 56.89 ng/ml

Response_ Signal: PL096561.D\ECD1A.ch



#3 gamma-BHC (Lindane)

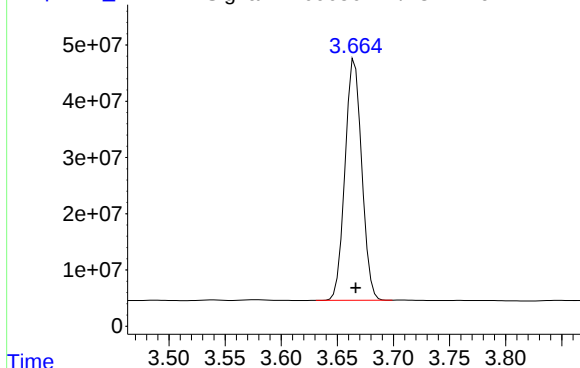
R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 276536924
Conc: 55.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

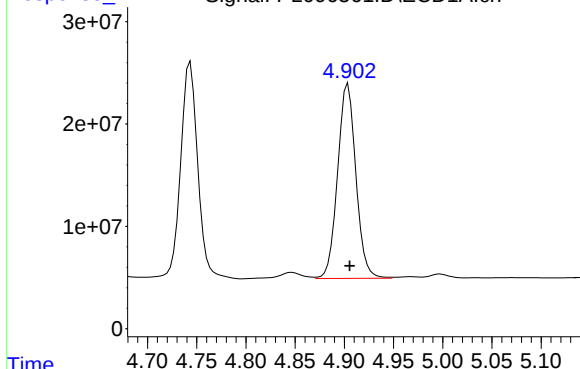
Time Response_ Signal: PL096561.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 444197007
Conc: 56.40 ng/ml

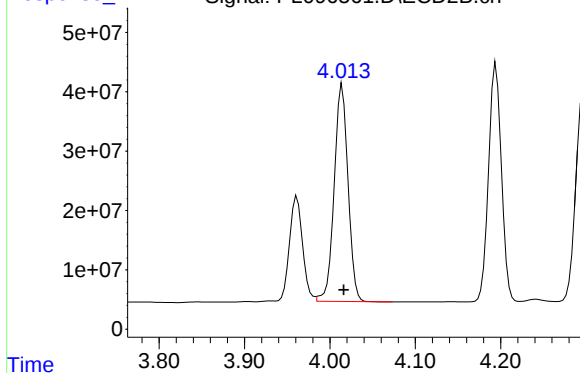
Time Response_ Signal: PL096561.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.002 min
Response: 245708252
Conc: 53.63 ng/ml

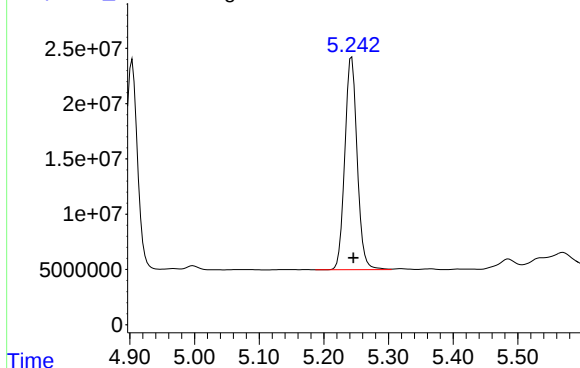
Time Response_ Signal: PL096561.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 412022110
Conc: 54.16 ng/ml

Response_ Signal: PL096561.D\ECD1A.ch



#5 Aldrin

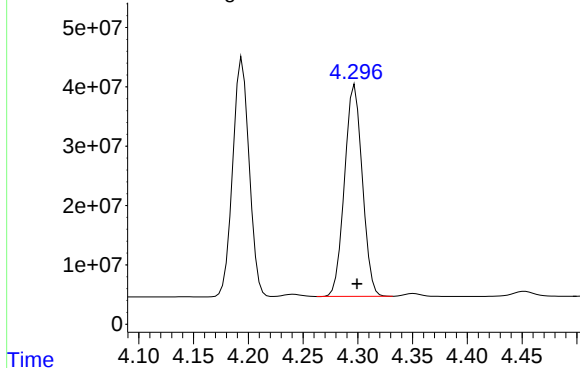
R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 255640895
Conc: 52.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025

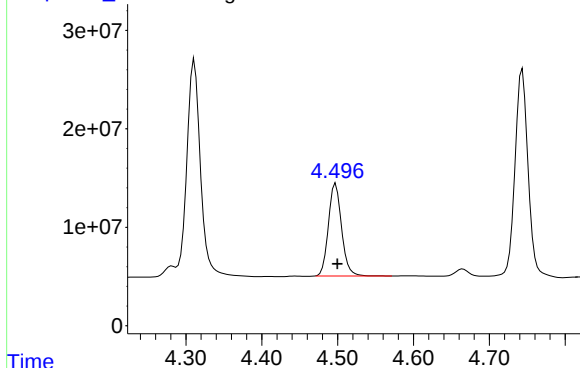
Response_ Signal: PL096561.D\ECD2B.ch



#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 402933996
Conc: 55.23 ng/ml

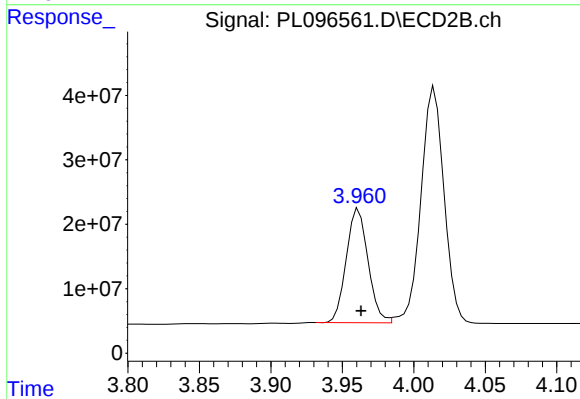
Response_ Signal: PL096561.D\ECD1A.ch



#6 beta-BHC

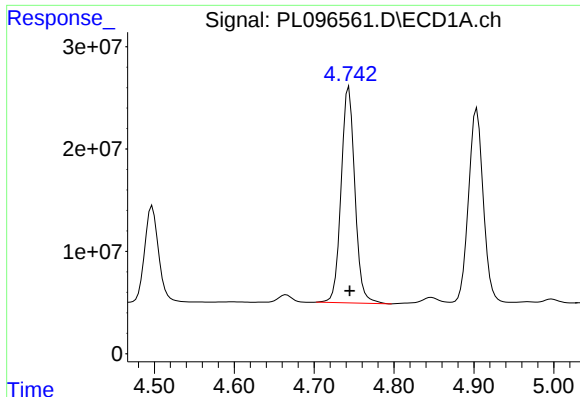
R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 113480937
Conc: 54.59 ng/ml

Response_ Signal: PL096561.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 187358948
Conc: 54.72 ng/ml



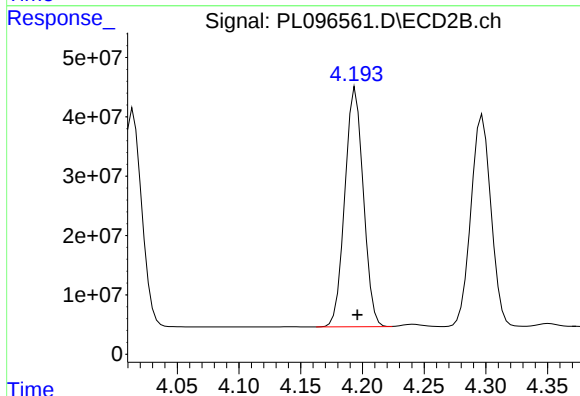
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 252446579
Conc: 56.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

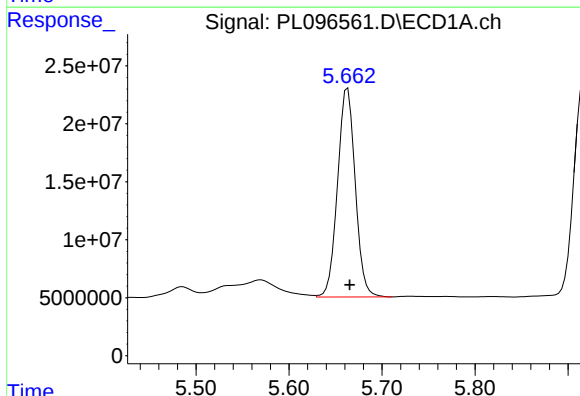
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



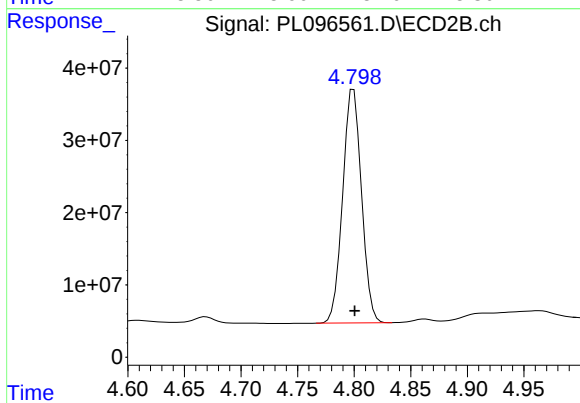
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 420477021
Conc: 54.59 ng/ml



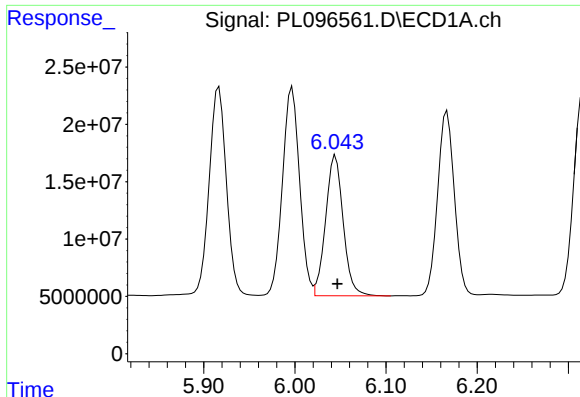
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 238127064
Conc: 57.39 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 374784018
Conc: 56.06 ng/ml



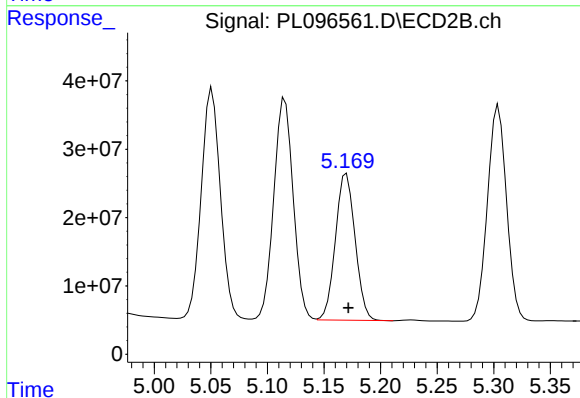
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 164156681
Conc: 40.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

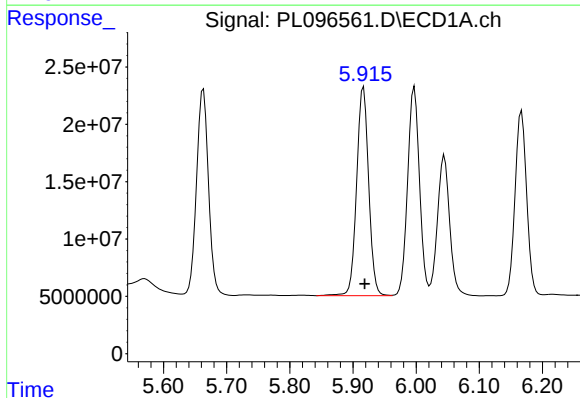
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



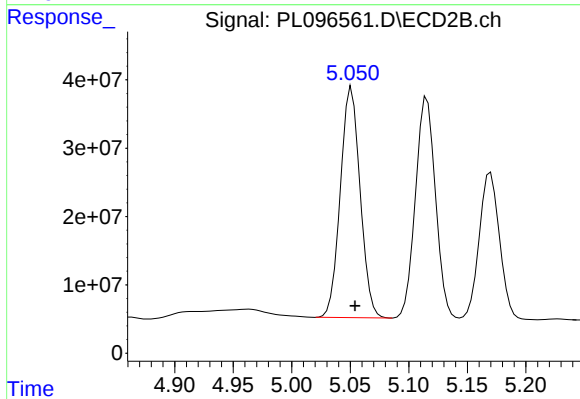
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.002 min
Response: 259646711
Conc: 36.19 ng/ml



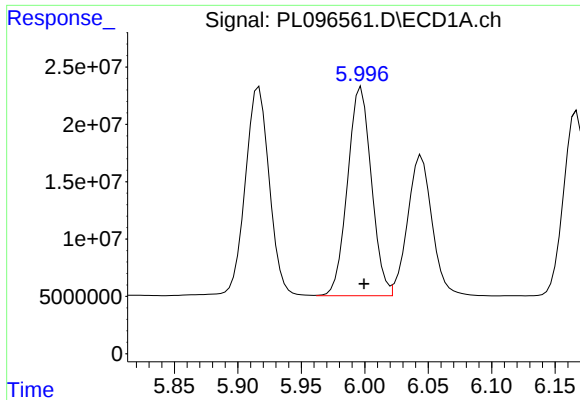
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 240762797
Conc: 54.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 396819972
Conc: 56.53 ng/ml



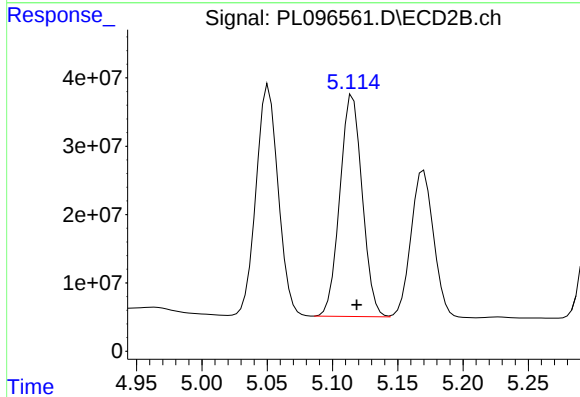
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 237784879
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

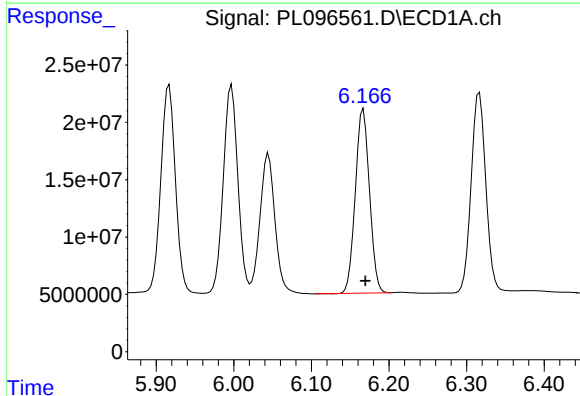
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



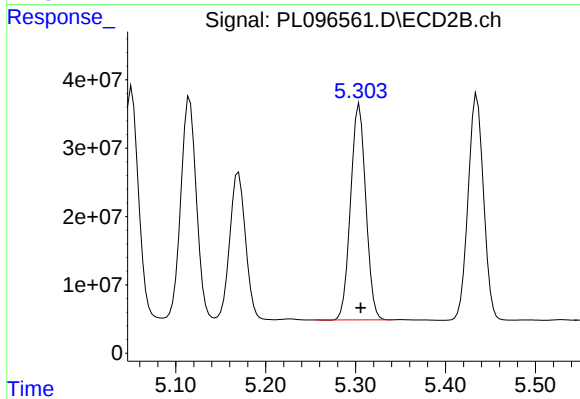
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 386681280
Conc: 51.42 ng/ml



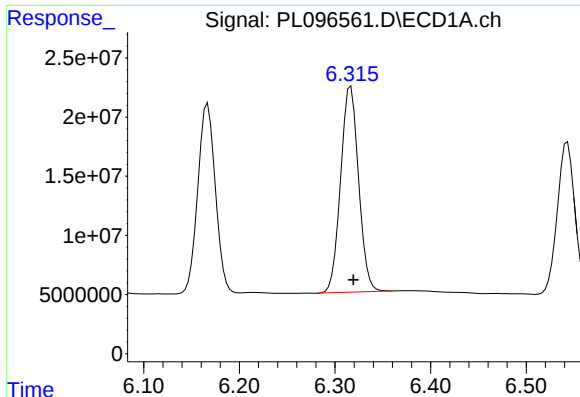
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.003 min
Response: 203508610
Conc: 54.89 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 370619436
Conc: 57.34 ng/ml



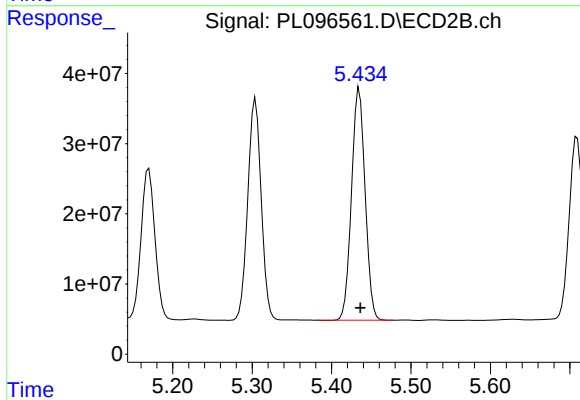
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 227361276
Conc: 53.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

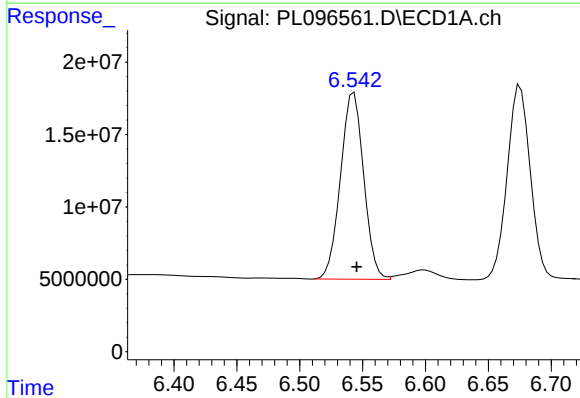
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



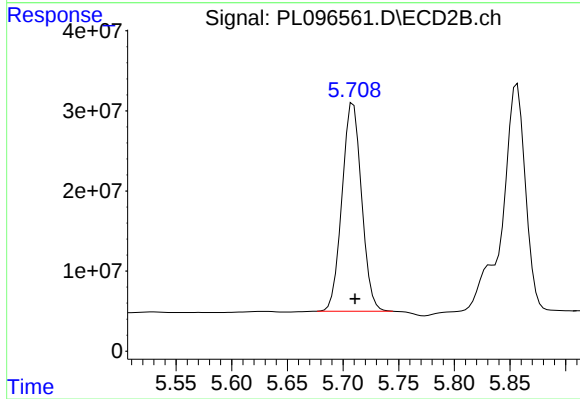
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 393324099
Conc: 57.68 ng/ml



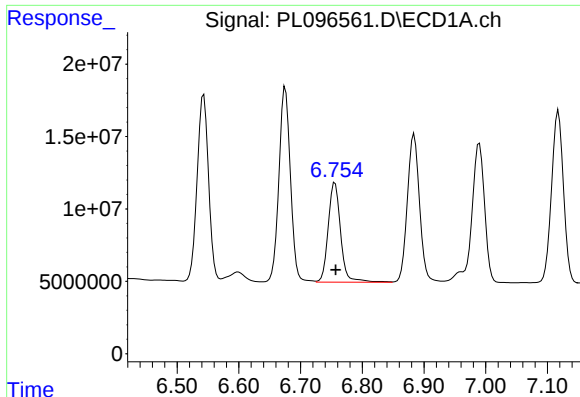
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 165434974
Conc: 53.19 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 318015146
Conc: 52.16 ng/ml



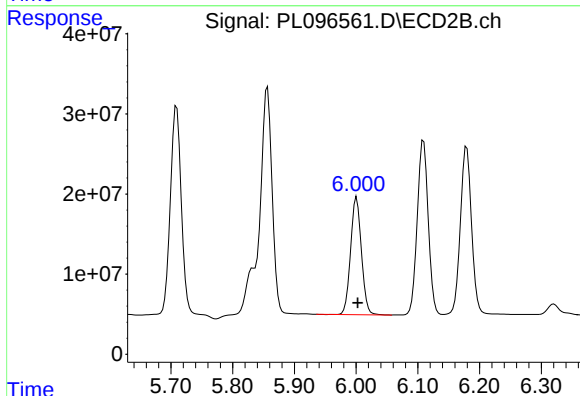
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 96385480
Conc: 27.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

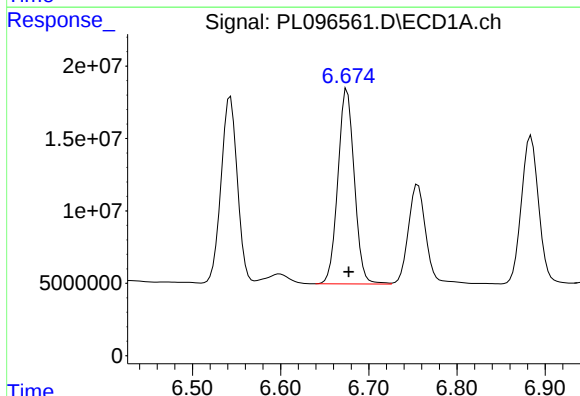
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



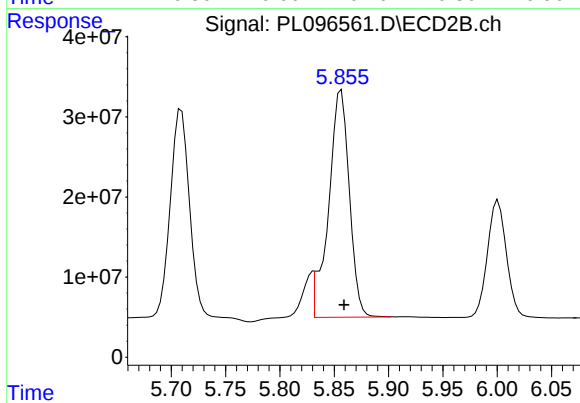
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 179013030
Conc: 30.53 ng/ml



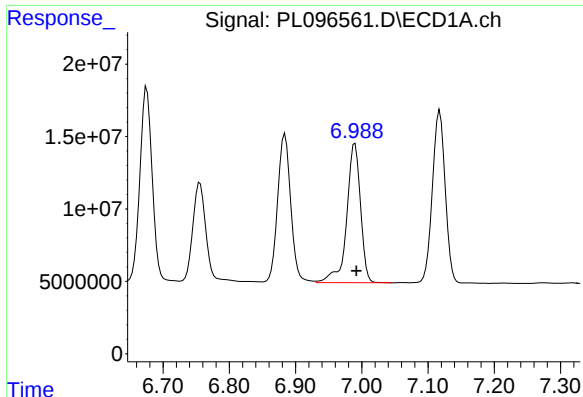
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 174095629
Conc: 59.79 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 372250610
Conc: 72.58 ng/ml m



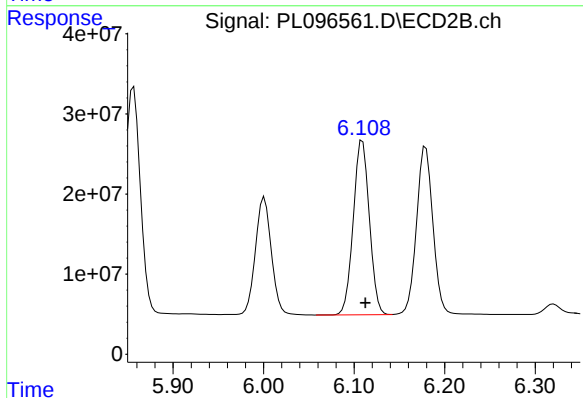
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 139554063
Conc: 45.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

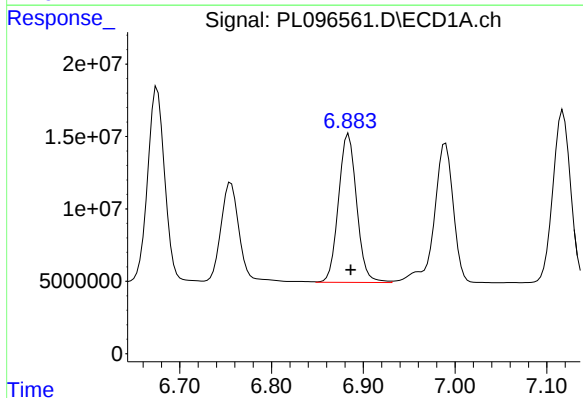
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



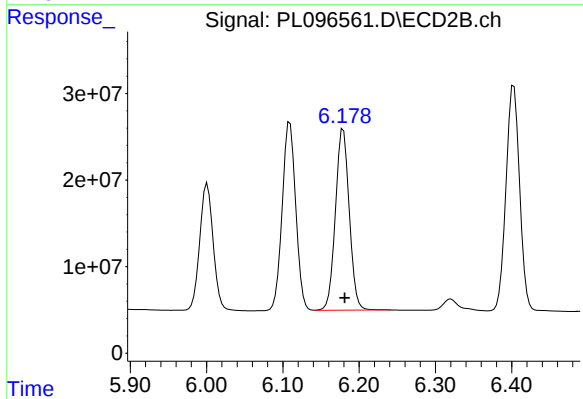
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 269031655
Conc: 46.91 ng/ml



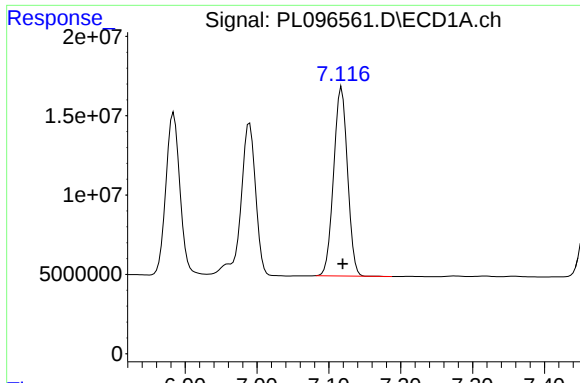
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 141200675
Conc: 63.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 263336546
Conc: 59.12 ng/ml



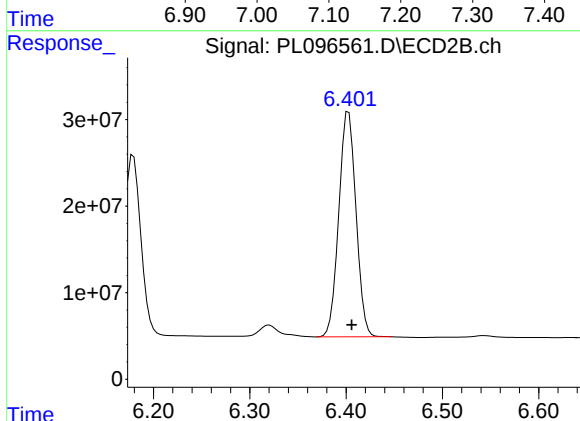
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: -0.002 min
Response: 159379140
Conc: 52.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

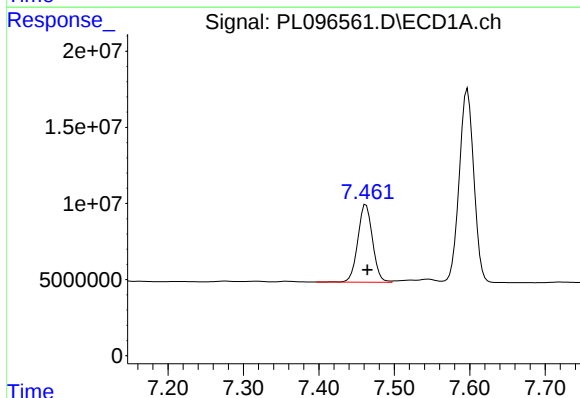
Manual Integrations
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Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



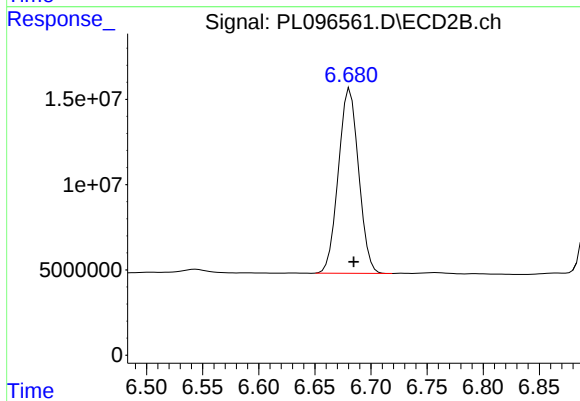
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 322443744
Conc: 57.33 ng/ml



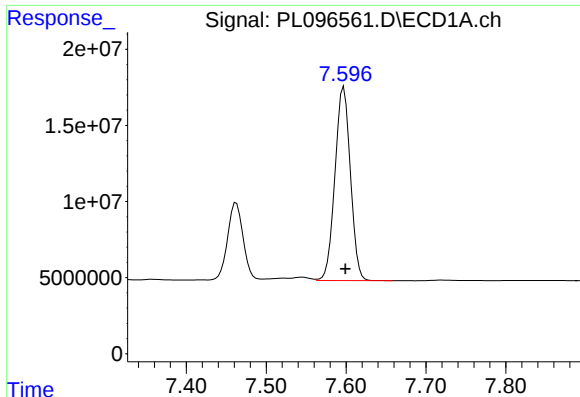
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 69060408
Conc: 43.84 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 136099314
Conc: 44.80 ng/ml



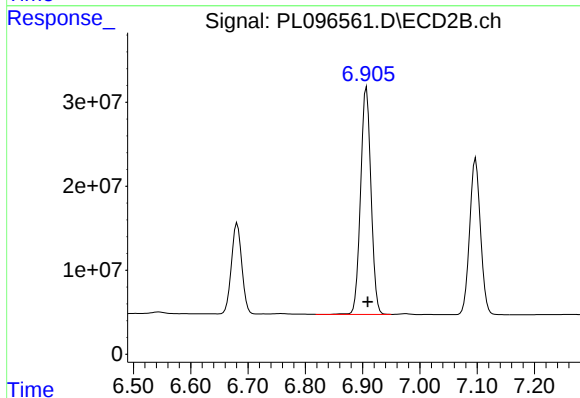
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 170814410
Conc: 51.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

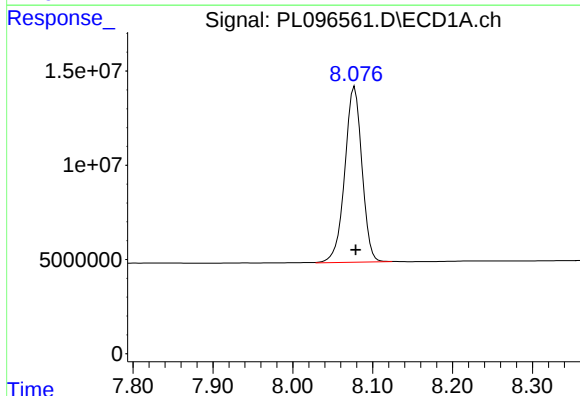
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



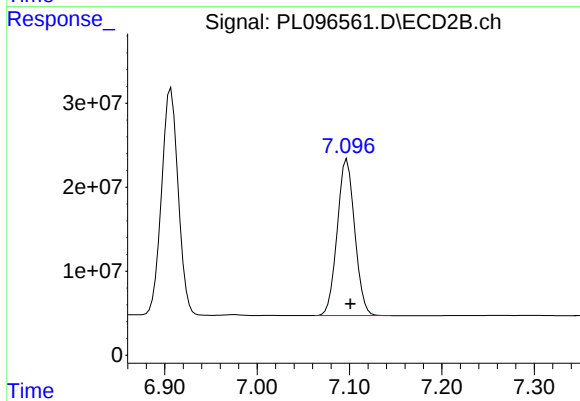
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 339469552
Conc: 54.30 ng/ml



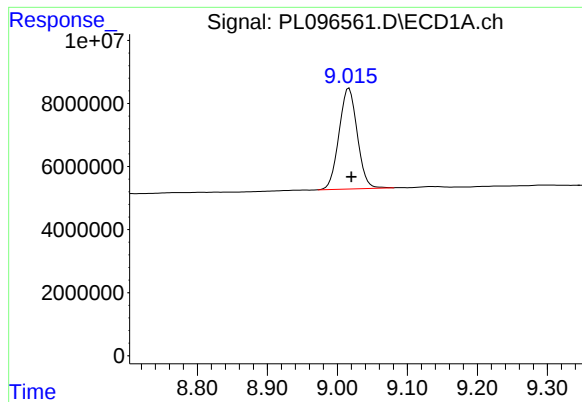
#22 Mirex

R.T.: 8.076 min
Delta R.T.: -0.003 min
Response: 139429742
Conc: 50.11 ng/ml m



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 245507183
Conc: 49.42 ng/ml



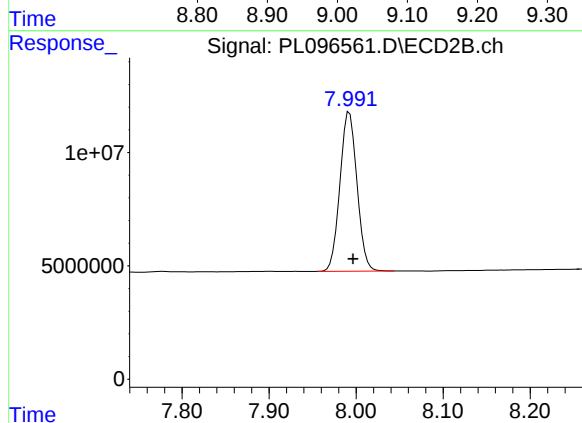
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: -0.003 min
Response: 57830485
Conc: 20.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
P001-CONCRETE001-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/29/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 95607667
Conc: 19.17 ng/ml

Manual Integration Report

Sequence:	PL070725	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096238.D	4,4"-DDD	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	4,4"-DDD #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin ketone #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
RESCHK	PL096239.D	Endosulfan I #2	Abdul	7/8/2025 3:56:31 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC100	PL096240.D	Endrin ketone #2	Abdul	7/8/2025 7:52:23 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC075	PL096241.D	beta-BHC	Abdul	7/8/2025 7:51:37 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC025	PL096243.D	Endosulfan II #2	Abdul	7/8/2025 7:51:40 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	4,4"-DDE #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Dieldrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan I #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan II #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

Manual Integration Report

Sequence:

PL070725

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL096244.D	Endrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin ketone #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Heptachlor epoxide #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Aldrin	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Heptachlor epoxide	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PCHLORICV500	PL096256.D	Chlordane-1	Abdul	7/8/2025 7:51:59 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

Manual Integration Report

Sequence:	pl072425	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096552.D	4,4"-DDE	Abdul	7/25/2025 9:48:43 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PEM	PL096552.D	4,4"-DDE #2	Abdul	7/25/2025 9:48:43 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096553.D	Dieldrin #2	Abdul	7/25/2025 9:48:47 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096553.D	gamma-Chlordane	Abdul	7/25/2025 9:48:47 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PB168984BS	PL096555.D	Endrin aldehyde	Abdul	7/25/2025 9:48:50 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02	PL096559.D	Methoxychlor	Abdul	7/25/2025 9:48:54 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02	PL096559.D	Methoxychlor #2	Abdul	7/25/2025 9:48:54 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MS	PL096560.D	4,4"-DDD #2	Abdul	7/25/2025 9:48:56 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MS	PL096560.D	gamma-BHC (Lindane)	Abdul	7/25/2025 9:48:56 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	4,4"-DDD #2	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	gamma-BHC (Lindane)	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
Q2641-02MSD	PL096561.D	Mirex	Abdul	7/25/2025 9:49:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PEM	PL096567.D	Endrin aldehyde	Abdul	7/25/2025 9:47:30 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

Manual Integration Report

Sequence:

pl072425

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096568.D	4,4"-DDD	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Dieldrin #2	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Endosulfan II	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Endrin aldehyde	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	gamma-Chlordane	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096568.D	Methoxychlor	Abdul	7/25/2025 9:47:33 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDD	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDE	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDT	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	4,4"-DDT #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Aldrin	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	alpha-Chlordane	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	alpha-Chlordane #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software

Manual Integration Report

Sequence:	pl072425	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096577.D	delta-BHC	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Dieldrin #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endosulfan I	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endosulfan II	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin aldehyde	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Endrin ketone #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	gamma-Chlordane	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	gamma-Chlordane #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Heptachlor	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Heptachlor epoxide	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software
PSTDCCC050	PL096577.D	Mirex #2	Abdul	7/25/2025 9:48:00 AM	mohammad	7/29/2025 2:02:13	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl072425

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096236.D	07 Jul 2025 09:59	AR\AJ	Ok
2	I.BLK	PL096237.D	07 Jul 2025 10:12	AR\AJ	Ok
3	PEM	PL096238.D	07 Jul 2025 10:26	AR\AJ	Ok,M
4	RESCHK	PL096239.D	07 Jul 2025 10:40	AR\AJ	Ok,M
5	PSTDICC100	PL096240.D	07 Jul 2025 10:53	AR\AJ	Ok,M
6	PSTDICC075	PL096241.D	07 Jul 2025 11:09	AR\AJ	Ok,M
7	PSTDICC050	PL096242.D	07 Jul 2025 11:22	AR\AJ	Ok
8	PSTDICC025	PL096243.D	07 Jul 2025 11:36	AR\AJ	Ok,M
9	PSTDICC005	PL096244.D	07 Jul 2025 11:49	AR\AJ	Ok,M
10	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03	AR\AJ	Ok
11	PCHLORICC750	PL096246.D	07 Jul 2025 12:17	AR\AJ	Ok
12	PCHLORICC500	PL096247.D	07 Jul 2025 12:30	AR\AJ	Ok
13	PCHLORICC250	PL096248.D	07 Jul 2025 12:44	AR\AJ	Ok
14	PCHLORICC050	PL096249.D	07 Jul 2025 12:58	AR\AJ	Ok,M
15	PTOXICC1000	PL096250.D	07 Jul 2025 13:11	AR\AJ	Ok
16	PTOXICC750	PL096251.D	07 Jul 2025 13:25	AR\AJ	Ok
17	PTOXICC500	PL096252.D	07 Jul 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL096253.D	07 Jul 2025 13:52	AR\AJ	Ok,M
19	PTOXICC100	PL096254.D	07 Jul 2025 14:06	AR\AJ	Ok,M
20	PSTDICV050	PL096255.D	07 Jul 2025 14:19	AR\AJ	Ok,M
21	PCHLORICV500	PL096256.D	07 Jul 2025 14:33	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL096257.D	07 Jul 2025 14:47	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM
SubDirectory	PL072425	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096550.D	24 Jul 2025 10:28	AR\AJ	Ok
2	I.BLK	PL096551.D	24 Jul 2025 10:42	AR\AJ	Ok
3	PEM	PL096552.D	24 Jul 2025 10:56	AR\AJ	Ok,M
4	PSTDCCC050	PL096553.D	24 Jul 2025 11:28	AR\AJ	Ok,M
5	PB168984BL	PL096554.D	24 Jul 2025 12:24	AR\AJ	Ok
6	PB168984BS	PL096555.D	24 Jul 2025 12:37	AR\AJ	Ok,M
7	PB168919TB	PL096556.D	24 Jul 2025 12:51	AR\AJ	Ok
8	PB168926TB	PL096557.D	24 Jul 2025 13:04	AR\AJ	Ok
9	PB168969TB	PL096558.D	24 Jul 2025 13:18	AR\AJ	Ok
10	Q2641-02	PL096559.D	24 Jul 2025 16:48	AR\AJ	Ok,M
11	Q2641-02MS	PL096560.D	24 Jul 2025 17:02	AR\AJ	Ok,M
12	Q2641-02MSD	PL096561.D	24 Jul 2025 17:15	AR\AJ	Ok,M
13	Q2481-12	PL096562.D	24 Jul 2025 17:29	AR\AJ	Ok
14	Q2481-15	PL096563.D	24 Jul 2025 17:42	AR\AJ	Ok,M
15	Q2481-21	PL096564.D	24 Jul 2025 17:56	AR\AJ	Not Ok
16	Q2646-03	PL096565.D	24 Jul 2025 18:10	AR\AJ	ReRun
17	I.BLK	PL096566.D	24 Jul 2025 18:23	AR\AJ	Ok
18	PEM	PL096567.D	24 Jul 2025 18:37	AR\AJ	Ok,M
19	PSTDCCC050	PL096568.D	24 Jul 2025 18:51	AR\AJ	Ok,M
20	Q2481-19	PL096569.D	24 Jul 2025 19:45	AR\AJ	Not Ok
21	Q2481-13	PL096570.D	24 Jul 2025 19:59	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM
SubDirectory	PL072425	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2481-14	PL096571.D	24 Jul 2025 20:12	AR\AJ	Not Ok
23	Q2481-16	PL096572.D	24 Jul 2025 20:26	AR\AJ	Ok,M
24	Q2481-17	PL096573.D	24 Jul 2025 20:40	AR\AJ	Ok,M
25	Q2481-18	PL096574.D	24 Jul 2025 20:53	AR\AJ	Ok,M
26	Q2481-20	PL096575.D	24 Jul 2025 21:07	AR\AJ	Ok,M
27	I.BLK	PL096576.D	24 Jul 2025 21:20	AR\AJ	Ok
28	PSTDCCC050	PL096577.D	24 Jul 2025 23:50	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method p070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096236.D	07 Jul 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL096237.D	07 Jul 2025 10:12		AR\AJ	Ok
3	PEM	PEM	PL096238.D	07 Jul 2025 10:26		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096239.D	07 Jul 2025 10:40		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096240.D	07 Jul 2025 10:53		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL096241.D	07 Jul 2025 11:09		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL096242.D	07 Jul 2025 11:22		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096243.D	07 Jul 2025 11:36		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096244.D	07 Jul 2025 11:49		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096246.D	07 Jul 2025 12:17		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096247.D	07 Jul 2025 12:30		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096248.D	07 Jul 2025 12:44		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096249.D	07 Jul 2025 12:58		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL096250.D	07 Jul 2025 13:11		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096251.D	07 Jul 2025 13:25		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096252.D	07 Jul 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL096253.D	07 Jul 2025 13:52		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM
SubDirectory	PL070725	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL096254.D	07 Jul 2025 14:06		AR\AJ	Ok,M
20	PSTDICV050	ICVPL070725	PL096255.D	07 Jul 2025 14:19		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL070725	PL096256.D	07 Jul 2025 14:33		AR\AJ	Ok,M
22	PTOXICV500	ICVPL070725	PL096257.D	07 Jul 2025 14:47		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM
SubDirectory	PL072425	HP Acquire Method	HP Processing Method p1070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096550.D	24 Jul 2025 10:28		AR\AJ	Ok
2	I.BLK	I.BLK	PL096551.D	24 Jul 2025 10:42		AR\AJ	Ok
3	PEM	PEM	PL096552.D	24 Jul 2025 10:56		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096553.D	24 Jul 2025 11:28		AR\AJ	Ok,M
5	PB168984BL	PB168984BL	PL096554.D	24 Jul 2025 12:24		AR\AJ	Ok
6	PB168984BS	PB168984BS	PL096555.D	24 Jul 2025 12:37		AR\AJ	Ok,M
7	PB168919TB	PB168919TB	PL096556.D	24 Jul 2025 12:51		AR\AJ	Ok
8	PB168926TB	PB168926TB	PL096557.D	24 Jul 2025 13:04		AR\AJ	Ok
9	PB168969TB	PB168969TB	PL096558.D	24 Jul 2025 13:18		AR\AJ	Ok
10	Q2641-02	P001-CONCRETE001-	PL096559.D	24 Jul 2025 16:48		AR\AJ	Ok,M
11	Q2641-02MS	P001-CONCRETE001-	PL096560.D	24 Jul 2025 17:02		AR\AJ	Ok,M
12	Q2641-02MSD	P001-CONCRETE001-	PL096561.D	24 Jul 2025 17:15		AR\AJ	Ok,M
13	Q2481-12	CC0627-AL	PL096562.D	24 Jul 2025 17:29		AR\AJ	Ok
14	Q2481-15	CC0627-AOXL	PL096563.D	24 Jul 2025 17:42		AR\AJ	Ok,M
15	Q2481-21	CC0627-SFBL	PL096564.D	24 Jul 2025 17:56	need clean up	AR\AJ	Not Ok
16	Q2646-03	FRAC TANK	PL096565.D	24 Jul 2025 18:10	DCB low in 2nd and TCMX low in 1st column	AR\AJ	ReRun
17	I.BLK	I.BLK	PL096566.D	24 Jul 2025 18:23		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072425

Review By	Abdul	Review On	7/25/2025 9:51:01 AM
Supervise By	mohammad	Supervise On	7/29/2025 2:02:13 AM
SubDirectory	PL072425	HP Acquire Method	HP Processing Method pl070725 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PEM	PEM	PL096567.D	24 Jul 2025 18:37		AR\AJ	Ok,M
19	PSTDCCC050	PSTDCCC050	PL096568.D	24 Jul 2025 18:51	DCB Low in 2nd column	AR\AJ	Ok,M
20	Q2481-19	CC0627-CLOXAL	PL096569.D	24 Jul 2025 19:45	f flag in TCMX in 1st column ,TCMX high in both column ,Bad injection	AR\AJ	Not Ok
21	Q2481-13	CC0627-CLOXPL	PL096570.D	24 Jul 2025 19:59	TCMX high in both column , DCB low in 1st column, ,Bad injection	AR\AJ	Not Ok
22	Q2481-14	CC0625-OBBL	PL096571.D	24 Jul 2025 20:12	TCMX high in 1st column and low in 2nd column , DCB low in 1st column, ,Bad injection	AR\AJ	Not Ok
23	Q2481-16	CC0625-NL	PL096572.D	24 Jul 2025 20:26	DCB high in 1st column	AR\AJ	Ok,M
24	Q2481-17	CC0267-OBPL	PL096573.D	24 Jul 2025 20:40	TCMX low in 2nd column	AR\AJ	Ok,M
25	Q2481-18	CC0627-OBX	PL096574.D	24 Jul 2025 20:53	TCMX high in 1st column,	AR\AJ	Ok,M
26	Q2481-20	CC0627-BL	PL096575.D	24 Jul 2025 21:07	TCMX high in 1st column	AR\AJ	Ok,M
27	I.BLK	I.BLK	PL096576.D	24 Jul 2025 21:20		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL096577.D	24 Jul 2025 23:50	4,4-DDT low in 2nd column	AR\AJ	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 07/18/2025 Time : 17:00
Weigh By :	JP	End Prep Date : 07/19/2025 Time : 11:25
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : <i>SB</i>
Tumbler ID :	T-1	Supervisor By : <i>12</i>
TCLP Filter ID :	115525	

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	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
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	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked, 30 rpm. Particle size reduction is not required. Q2649-24 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/21/25 11:30	<i>SB</i> <i>1500 Room</i>	<i>SB</i> <i>RJ/E+H</i>
	Preparation Group	Analysis Group <i>net dly</i>

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
PB168919TB	LEB919	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2622-04	2819	01	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2641-02	P001-CONCRETE001-01	02	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2645-03	RW5B-CARBON-20250716	03	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2649-04	WC-1	04	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2649-08	WC-2	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2649-12	WC-3	06	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2649-16	WC-4	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2649-20	WC-5	08	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2649-24	WC-6	09	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168919TB	LEB919	N/A	N/A	N/A	N/A	N/A	N/A
Q2622-04	2819	N/A	N/A	N/A	N/A	100	N/A
Q2641-02	P001-CONCRETE001-01	N/A	N/A	N/A	N/A	100	N/A
Q2645-03	RW5B-CARBON-20250716	N/A	N/A	N/A	N/A	100	N/A
Q2649-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2649-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q2649-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q2649-16	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q2649-20	WC-5	N/A	N/A	N/A	N/A	100	N/A
Q2649-24	WC-6	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
PB168919TB	LEB919	N/A	N/A	N/A	N/A	#1	4.93
Q2622-04	2819	5.02	96.5	6.2	2.0	#1	4.93
Q2641-02	P001-CONCRETE001-01	5.01	96.5	12.0	4.5	#1	4.93
Q2645-03	RW5B-CARBON-20250716	5.01	96.5	5.5	1.5	#1	4.93
Q2649-04	WC-1	5.02	96.5	7.6	2.5	#1	4.93
Q2649-08	WC-2	5.03	96.5	7.0	2.0	#1	4.93
Q2649-12	WC-3	5.02	96.5	8.4	3.0	#1	4.93
Q2649-16	WC-4	5.01	96.5	6.0	2.0	#1	4.93
Q2649-20	WC-5	5.02	96.5	6.6	2.0	#1	4.93
Q2649-24	WC-6	5.03	96.5	6.0	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2649

WorkList ID : 190827

Department : TCLP Extraction

Date : 07-18-2025 15:01:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2622-04	2819	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/16/2025	1311
Q2641-02	P001-CONCRETE001-01	Solid	TCLP Extraction	Cool 4 deg C	ROYF02	O22	07/16/2025	1311
Q2645-03	RW5B-CARBON-20250716	Solid	TCLP Extraction	Cool 4 deg C	TETR06	O41	07/16/2025	1311
Q2649-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311
Q2649-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311
Q2649-12	WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311
Q2649-16	WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311
Q2649-20	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311
Q2649-24	WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/18/2025	1311

Date/Time 07/18/26 15:35

Raw Sample Received by: 

Raw Sample Relinquished by: 

Date/Time 07/18/26 18:00

Raw Sample Received by: 

Raw Sample Relinquished by: 

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: N/A

Matrix : Water

Weight By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 07/23/2025

Extraction Start Time : 12:15

Extraction End Date : 07/23/2025

Extraction End Time : 16:45

Concentration By: EH

Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
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	E3954
Baked Na2SO4	N/A	EP2625
Hexane	N/A	E3956
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.1.5ML Vial Lot # 2210443. Q2481 all samples used Limited volume as samples are not regular environmental samples its chemical treated samples.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/23/25	RS (Ext Lab)	R. Pese/PCB Lab
16:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 07/23/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168919TB	PB168919TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168926TB	PB168926TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB168969TB	PB168969TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			3
PB168984BL	PBLK984	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
PB168984BS	PLCS984	TCLP Pesticide	1000	6	RUPESH	ritesh	10			5
Q2481-12	CC0627-AL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	6
Q2481-13	CC0627-CLOXPL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	7
Q2481-14	CC0625-OXBL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	8
Q2481-15	CC0627-AOXL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	9
Q2481-16	CC0625-NL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	10
Q2481-17	CC0627-OXPL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	11
Q2481-18	CC0627-OXL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	12
Q2481-19	CC0627-CLOXAL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	13
Q2481-20	CC0627-BL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	14
Q2481-21	CC0627-SFBL	TCLP Pesticide	10	6	RUPESH	ritesh	10	A	Chemical Treated	15
Q2641-02	P001-CONCRETE001-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q2641-02MS	P001-CONCRETE001-01M S	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		SEP-1
Q2641-02MS D	P001-CONCRETE001-01M SD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		2
Q2646-03	FRAC TANK	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		3

* Extracts relinquished on the same date as received.



Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168969TB	LEB969	N/A	N/A	N/A	N/A	N/A	N/A	4.94	N/A	N/A
Q2481-12	CC0627-AL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-13	CC0627-CLOXPL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-14	CC0625-OXBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-15	CC0627-AOXL	N/A	N/A	N/A	N/A	N/A	N/A	1.5	N/A	N/A
Q2481-16	CC0625-NL	N/A	N/A	N/A	N/A	N/A	N/A	10.0	N/A	N/A
Q2481-17	CC0267-OXPL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-18	CC0627-OXL	N/A	N/A	N/A	N/A	N/A	N/A	6.0	N/A	N/A
Q2481-19	CC0627-CLOXAL	N/A	N/A	N/A	N/A	N/A	N/A	5.0	N/A	N/A
Q2481-20	CC0627-BL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A
Q2481-21	CC0627-SFBL	N/A	N/A	N/A	N/A	N/A	N/A	14.0	N/A	N/A

07/13/15
11:00

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
PB168926TB	LEB926	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.5	N/A
Q2646-03	FRAC TANK	N/A	N/A	N/A	N/A	N/A	N/A	4.5	1.0	N/A

07/21/25
11:30

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
PB168919TB	LEB919	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2622-04	2819	01	100.01	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2641-02	P001-CONCRETE001-01	02	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2645-03	RW5B-CARBON-20250716	03	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2649-04	WC-1	04	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2649-08	WC-2	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
Q2649-12	WC-3	06	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2649-16	WC-4	07	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q2649-20	WC-5	08	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2649-24	WC-6	09	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1

07/24/25
11:30

Prep Standard - Chemical Standard Summary

Order ID : Q2641

Test : TCLP Pesticide

Prepbatch ID : PB168984,

Sequence ID/Qc Batch ID: pl072425,

Standard ID :

EP2625,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,P
P24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,P
P24282,PP24283,PP24284,PP24329,PP24433,PP24627,PP24651,PP24663,

Chemical ID :

E3551,E3877,E3914,E3937,E3941,E3944,E3954,E3956,P12603,P 12611,P13037,P13040,P13195,P13246,P13356,P13
405,P13785,P13786,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2625	07/15/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000gram of E3551 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u>	0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u> 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = 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	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<u>FROM</u>	98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = 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)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

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)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

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)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

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	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

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	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

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	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

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	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = 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>
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	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

<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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

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

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)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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 #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd. by RP on 2/12/25

Harout Sahagian **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

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 Fair Lawn, NJ 07410
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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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

E3937

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001



Recd. by 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

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors™**



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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

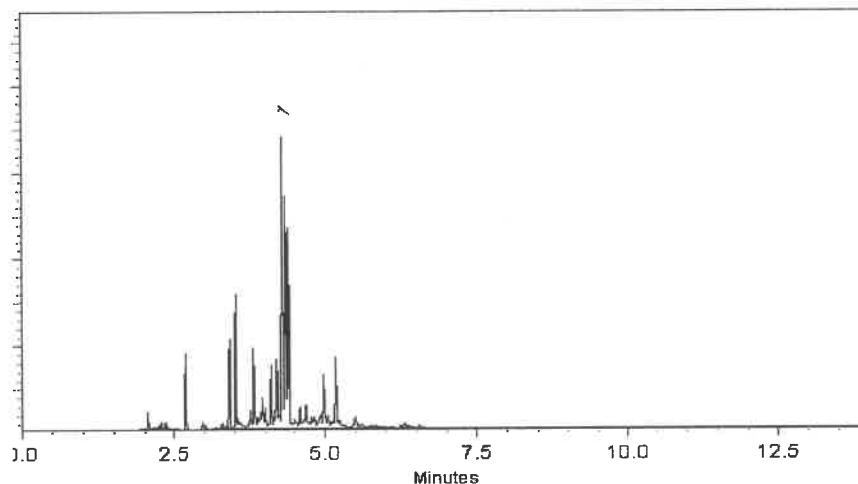
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P 12611
↓
P 12615
⑤
CRout
7/3/2023



110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1 µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0 µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1 µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0 µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 P13043
 5
 1
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 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

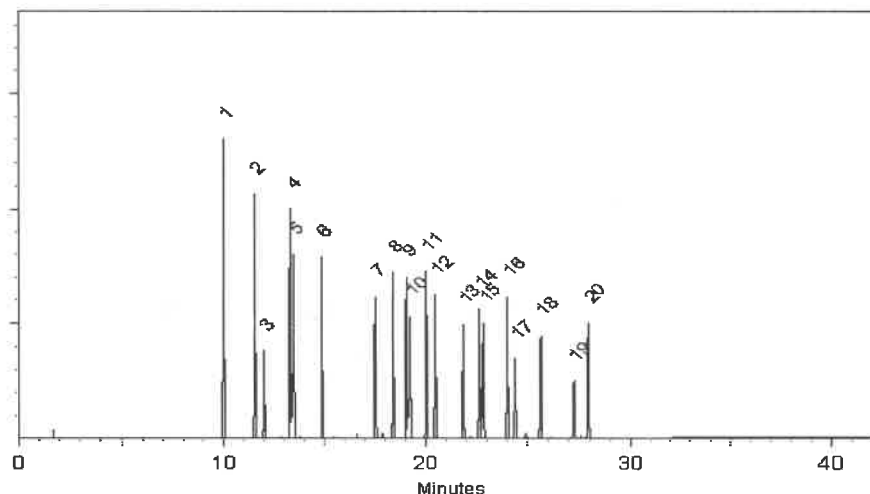
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



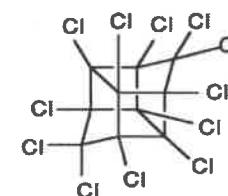
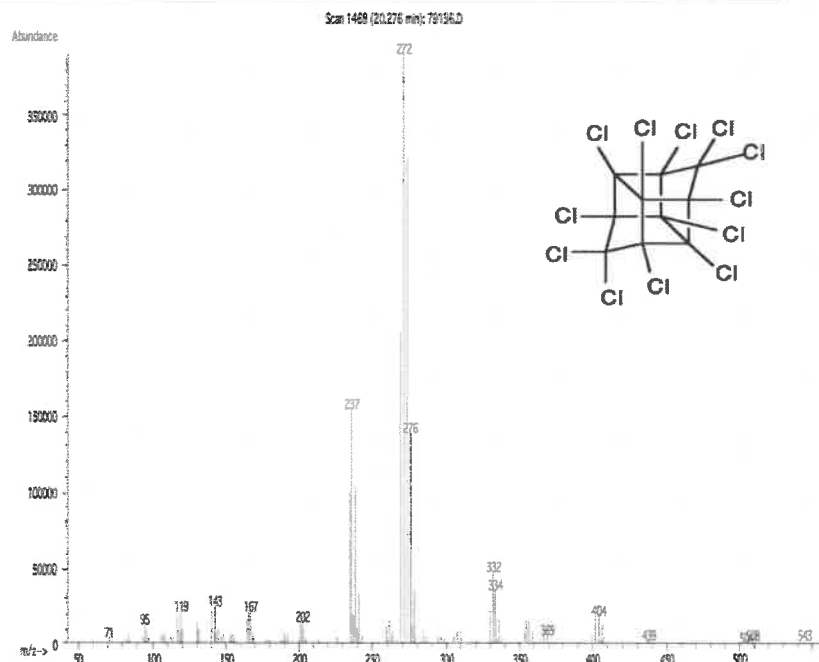
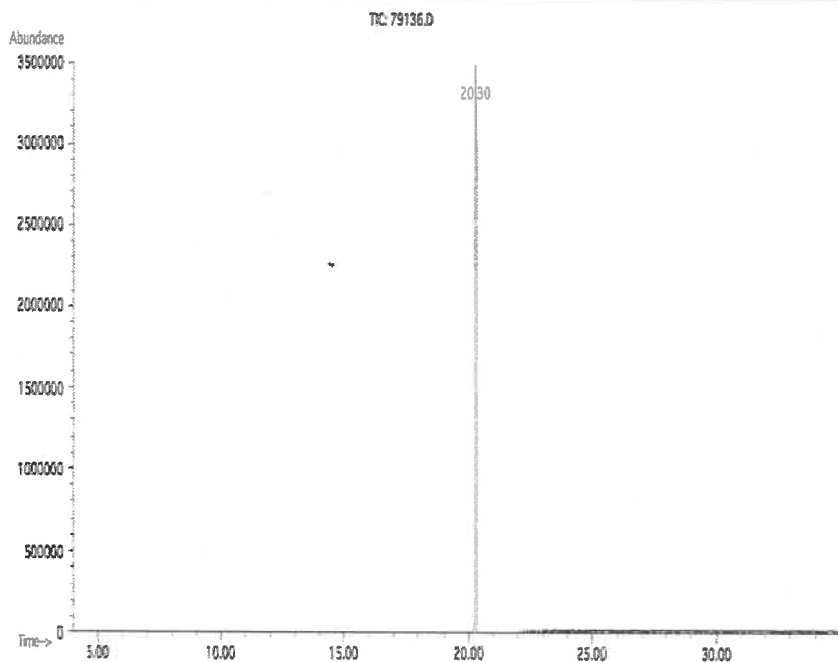
CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**Solvent(s):
Acetone Lot#
81025Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**5E-05 Balance Uncertainty
0.006 Flask UncertaintyWeight(s) shown below were combined and diluted to (mL): **50.0**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- 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).

P13195
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P13199
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(5)
↓
W. H. H. H.
01/17/2024

01/17/2024
JALIN

5



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 Lot No.: A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : August 31, 2029 Storage: 10°C or colder
Ship: Ambient

P 12603
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P 12605
3
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

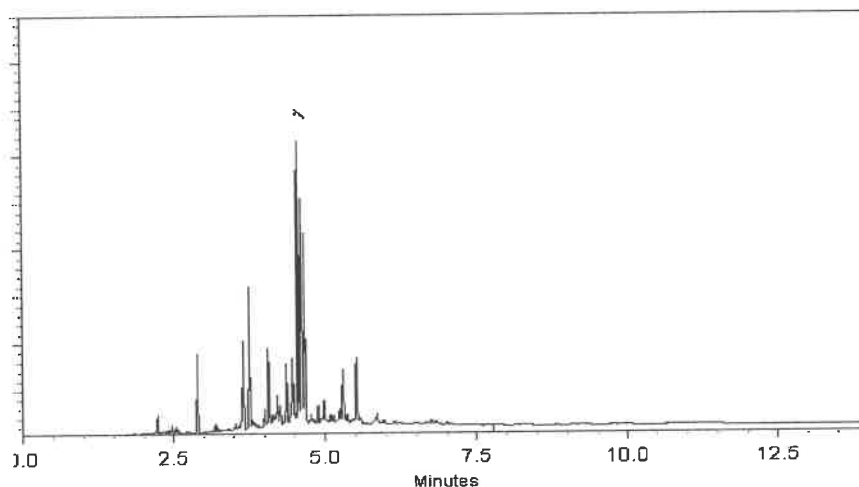
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

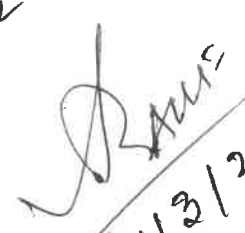
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

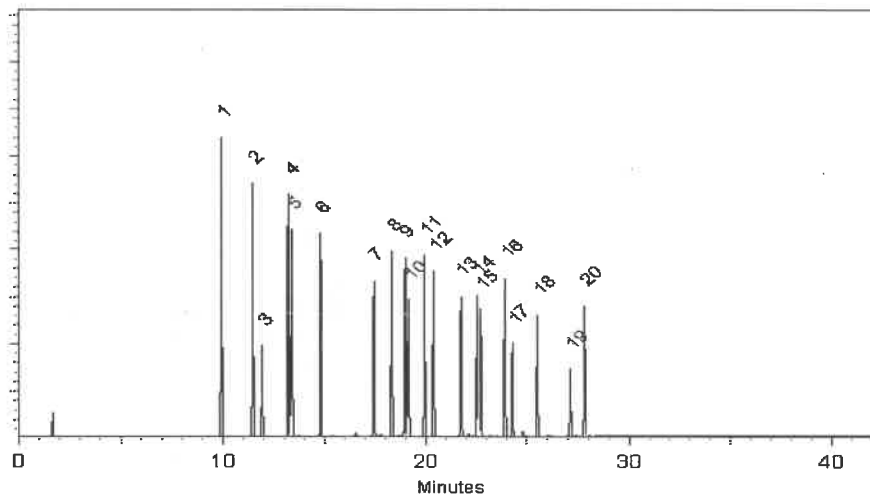
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
 ↓
 02/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

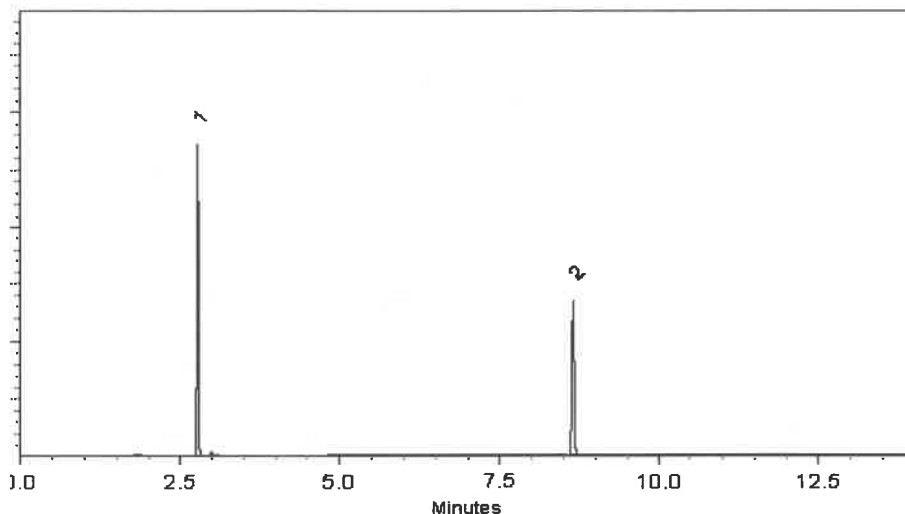
ECD

Split Vent:

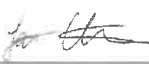
10 ml/min.

Inj. Vol

1µl

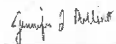


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

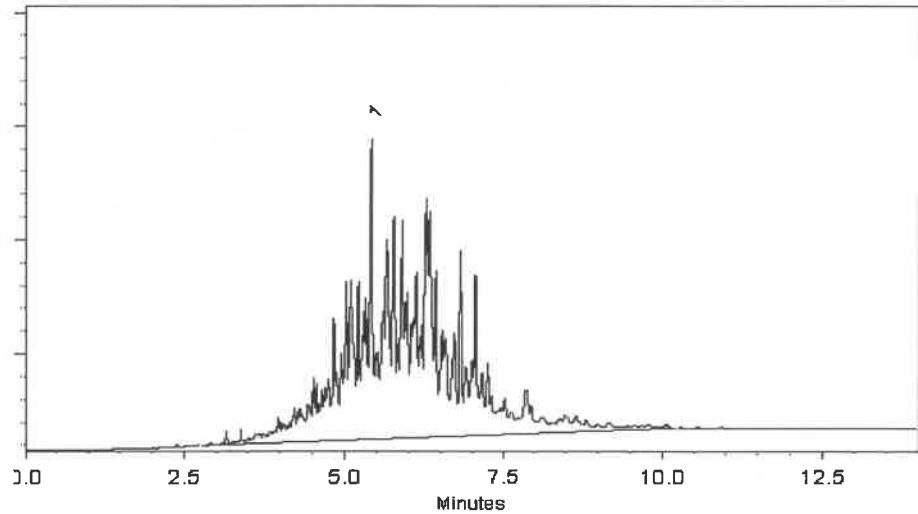
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

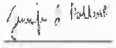


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

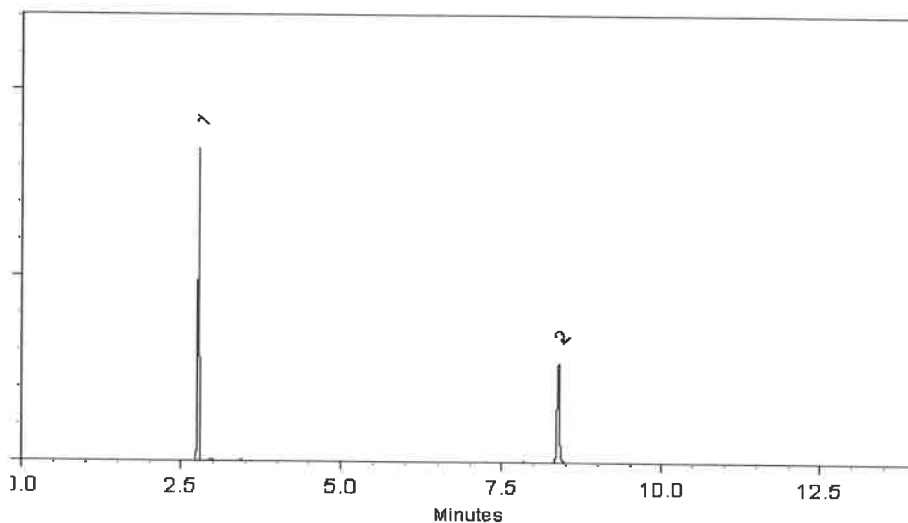
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

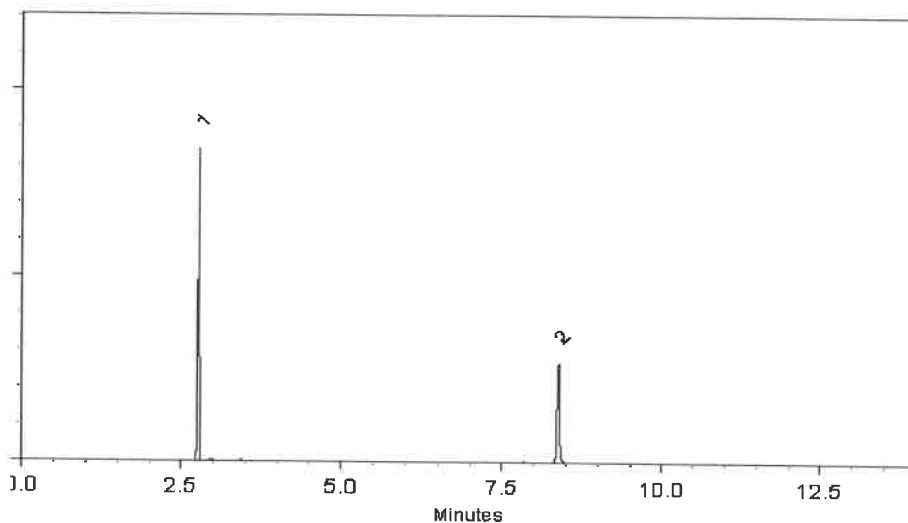
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

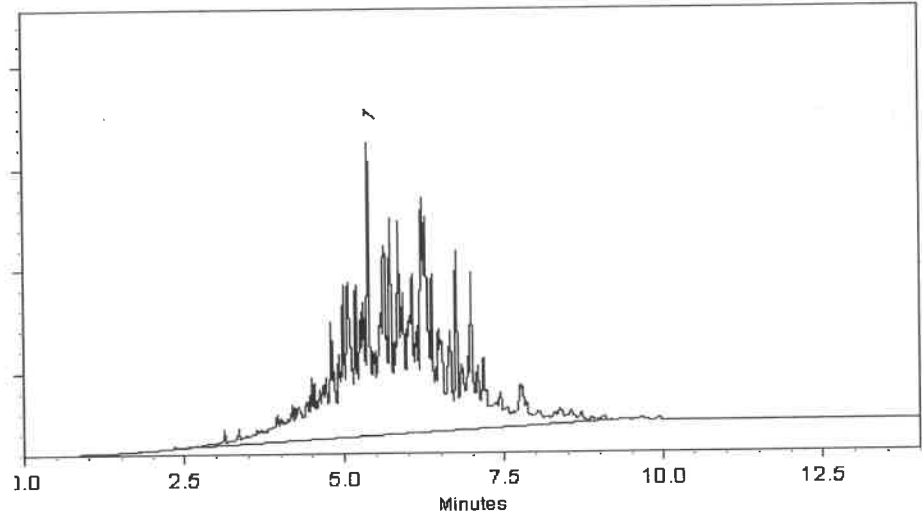
ECD

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

Solvent(s): Methylene chloride
Lot# 102669

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

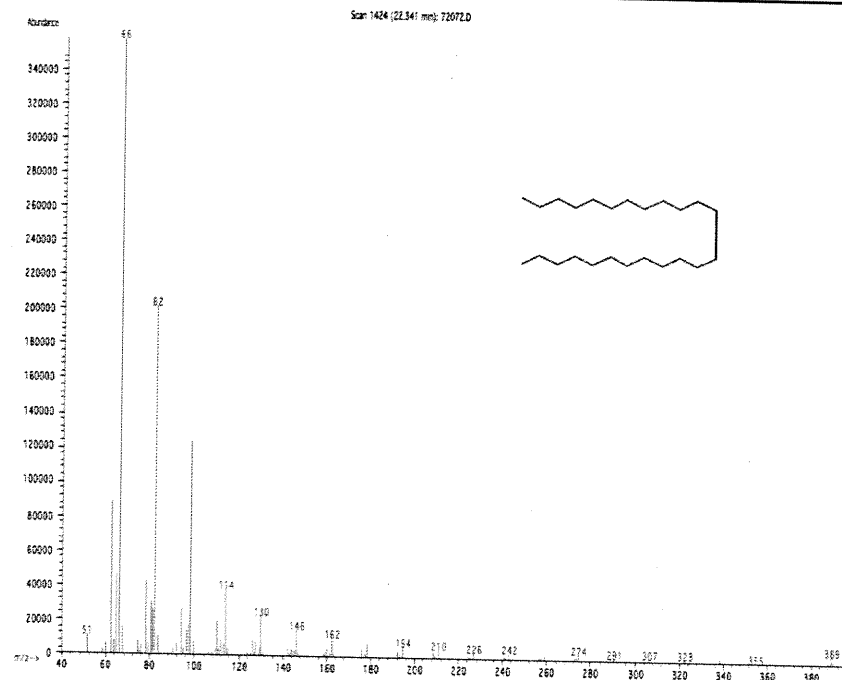
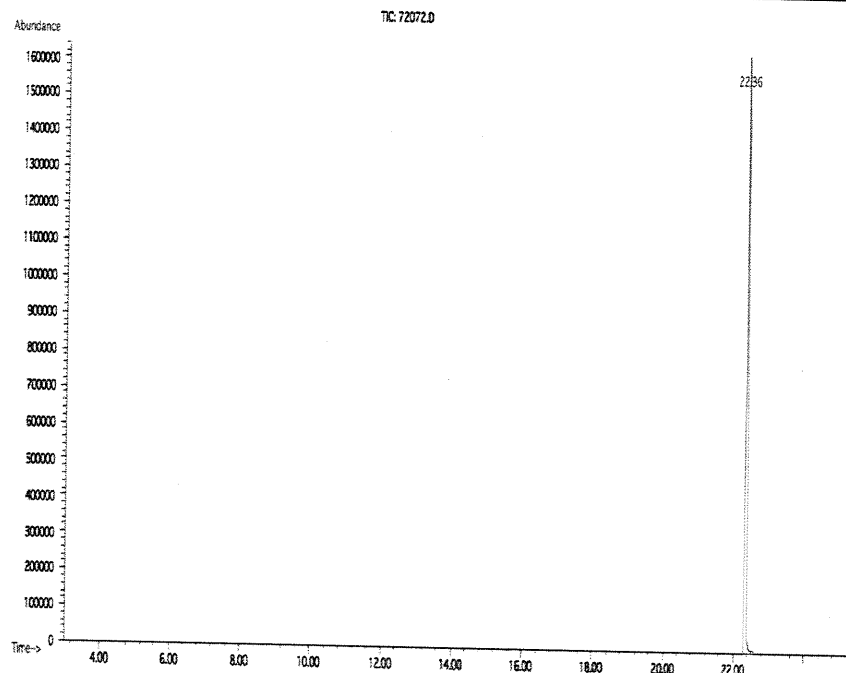
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

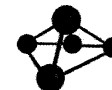
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

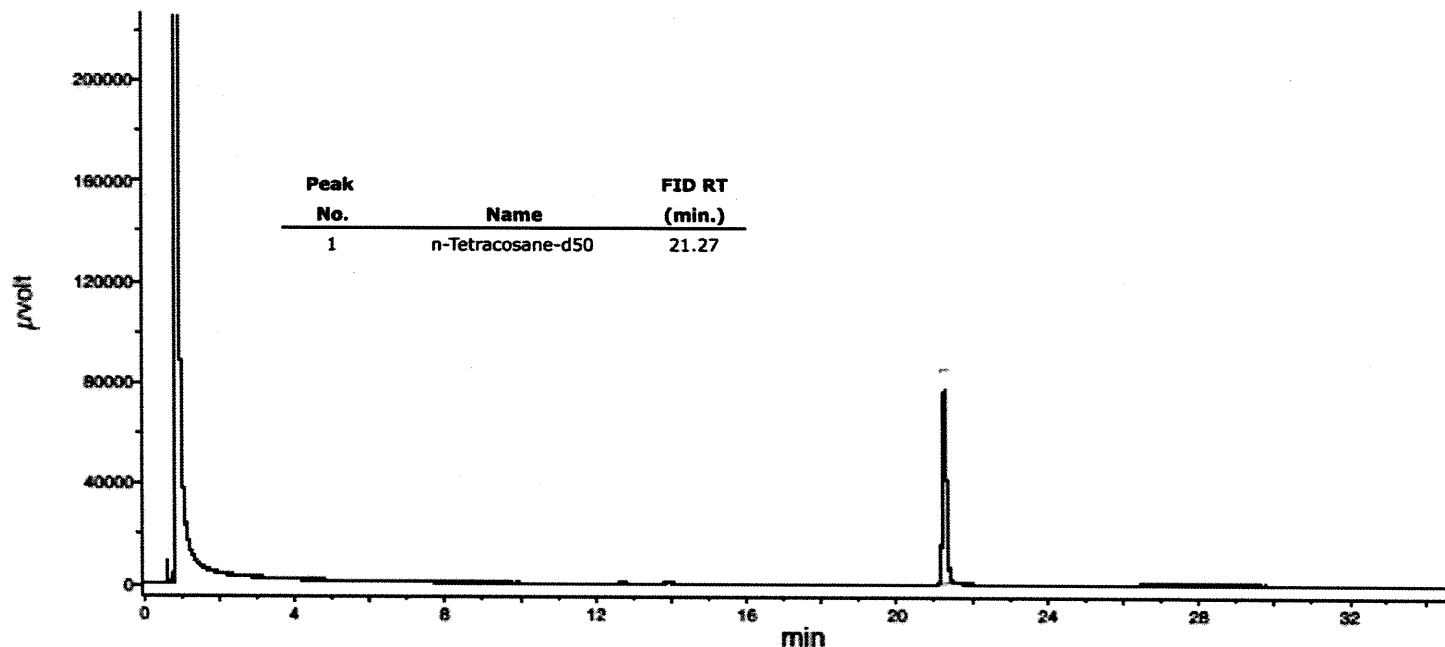
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

Q 2641

USEPA

DateShipped: 7/17/2025

CarrierName: FedEx

AirbillNo: 882857171649

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-071725-0040-0037-001

RFP #905A

Lab: Alliance Technical Group, LLC - Non
CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-Concrete001-01	P001-Concrete001-01		A	TAL PCBs (TAT 7 Days)		7/16/2025	13:00	1	8 oz. Glass	4 C	N
	P001-Concrete001-01	P001-Concrete001-01		B	TCLP VOCs (TAT 7 Days)		7/16/2025	13:00	2	4 oz glass w/septum	4 C	N
	P001-Concrete001-01	P001-Concrete001-01		C	TCLP RCRA 8 Metals (TAT 7 Days)		7/16/2025	13:00	1	8 oz. Glass	4 C	N
	P001-Concrete001-01	P001-Concrete001-01		D	TCLP Pesticides (TAT 7 Days)		7/16/2025	13:00	1	8 oz. Glass	4 C	N
	P001-Concrete001-01	P001-Concrete001-01		E	TCLP SVOCs (TAT 7 Days)		7/16/2025	13:00	1	8 oz. Glass	4 C	N
	P001-Concrete001-01	P001-Concrete001-01		F	TCLP Herbicides (TAT 7 Days)		7/16/2025	13:00	1	8 oz. Glass	4 C	N

Special Instructions: TAT 7 days preliminary, 14 days final report. Please copy s.sumbaly@westonsolutions.com and josh.frizzell@westonsolutions.com.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples/ All Analyses	 Weston	7-17-2025/ 1400		9:55 7/18/25	at Gen # 1 1.9"

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488