

Cover Page

Order ID : Q2592

Project ID : Con Edison - East River Site 2

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

Q2592-01
Q2592-02

Client Sample Number

WC-SOIL-20250711
WC-SOIL-20250711

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: 7/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2592

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: 07/25/2025

LAB CHRONICLE

OrderID:	Q2592	OrderDate:	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison - East River Site 2
Contact:	Zohar Lavy	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	WC-SOIL-20250711	SOIL			07/11/25			07/11/25
			PCB Group1	8082A		07/15/25	07/15/25	
			TPH GC	8015D		07/17/25	07/18/25	
Q2592-02	WC-SOIL-20250711	TCLP			07/11/25			07/11/25
			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/18/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2592

Order ID: Q2592

Client: PARSONS Engineering of New York, Inc.

Project ID: Con Edison - East River Site 2

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2592

Client: PARSONS Engineering of New York, 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-PL096441.D	PIBLK-PL096441.D	Decachlorobiphen	1	20	21.0	105		57	171
		Tetrachloro-m-xyl	1	20	21.6	108		61	148
		Decachlorobiphen	2	20	21.7	108		57	171
		Tetrachloro-m-xyl	2	20	23.6	118		61	148
Q2592-02	WC-SOIL-20250711	Decachlorobiphen	1	20	16.8	84		57	171
		Tetrachloro-m-xyl	1	20	17.9	89		61	148
		Decachlorobiphen	2	20	17.6	88		57	171
		Tetrachloro-m-xyl	2	20	19.3	96		61	148
I.BLK-PL096452.D	PIBLK-PL096452.D	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	20.7	103		61	148
		Decachlorobiphen	2	20	21.4	107		57	171
		Tetrachloro-m-xyl	2	20	22.5	112		61	148
Q2592-02MS	WC-SOIL-20250711MS	Decachlorobiphen	1	20	16.9	85		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	17.6	88		57	171
		Tetrachloro-m-xyl	2	20	19.3	97		61	148
Q2592-02MSD	WC-SOIL-20250711MSD	Decachlorobiphen	1	20	18.4	92		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	18.1	91		57	171
		Tetrachloro-m-xyl	2	20	19.5	98		61	148
I.BLK-PL096464.D	PIBLK-PL096464.D	Decachlorobiphen	1	20	21.1	106		57	171
		Tetrachloro-m-xyl	1	20	20.9	105		61	148
		Decachlorobiphen	2	20	21.1	105		57	171
		Tetrachloro-m-xyl	2	20	22.9	115		61	148
PB168847TB	PB168847TB	Decachlorobiphen	1	20	20.6	103		57	171
		Tetrachloro-m-xyl	1	20	20.5	102		61	148
		Decachlorobiphen	2	20	21.8	109		57	171
		Tetrachloro-m-xyl	2	20	22.3	111		61	148
PB168887BL	PB168887BL	Decachlorobiphen	1	20	19.1	96		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	20.5	102		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148
PB168887BS	PB168887BS	Decachlorobiphen	1	20	20.2	101		57	171
		Tetrachloro-m-xyl	1	20	19.9	100		61	148
		Decachlorobiphen	2	20	21.6	108		57	171
		Tetrachloro-m-xyl	2	20	21.4	107		61	148
I.BLK-PL096476.D	PIBLK-PL096476.D	Decachlorobiphen	1	20	21.2	106		57	171

Surrogate Summary

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096476.D	PIBLK-PL096476.D	Tetrachloro-m-xyl	1	20	21.4	107		61	148
		Decachlorobiphen	2	20	22.8	114		57	171
		Tetrachloro-m-xyl	2	20	22.9	115		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>8081B</u>
Client:	<u>PARSONS Engineering of New York, Inc</u>	DataFile :	<u>PL096462.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2592-02MS (Column 1)	Client Sample ID:		WC-SOIL-20250711MS								
	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				60	152	
	Heptachlor	5	0	4.90	ug/L	98				56	147	
	Heptachlor epoxide	5	0	5.30	ug/L	106				77	143	
	Endrin	5	0	5.20	ug/L	104				76	144	
	Methoxychlor	5	0	5.10	ug/L	102				70	142	
Lab Sample ID:	Q2592-02MS (Column 2)	Client Sample ID:		WC-SOIL-20250711MS								
	gamma-BHC (Lindane)	5	0	5.30	ug/L	106				60	152	
	Heptachlor	5	0	5.00	ug/L	100				56	147	
	Heptachlor epoxide	5	0	5.10	ug/L	102				77	143	
	Endrin	5	0	5.00	ug/L	100				76	144	
	Methoxychlor	5	0	4.60	ug/L	92				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>8081B</u>
Client:	<u>PARSONS Engineering of New York, Inc</u>	DataFile :	<u>PL096463.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result				Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2592-02MSD	Client Sample ID:		WC-SOIL-20250711MSD								
	(Column 1)											
	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		60	152	20
	Heptachlor	5	0	5.00	ug/L	100		2		56	147	20
	Heptachlor epoxide	5	0	5.30	ug/L	106		0		77	143	20
	Endrin	5	0	5.30	ug/L	106		2		76	144	20
	Methoxychlor	5	0	4.90	ug/L	98		4		70	142	20
Lab Sample ID:	Q2592-02MSD	Client Sample ID:		WC-SOIL-20250711MSD								
	(Column 2)											
	gamma-BHC (Lindane)	5	0	5.40	ug/L	108		2		60	152	20
	Heptachlor	5	0	5.10	ug/L	102		2		56	147	20
	Heptachlor epoxide	5	0	5.20	ug/L	104		2		77	143	20
	Endrin	5	0	5.20	ug/L	104		4		76	144	20
	Methoxychlor	5	0	4.70	ug/L	94		2		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2592</u>	Analytical Method:	<u>8081B</u>
Client:	<u>PARSONS Engineering of New York, Inc</u>	Datafile :	<u>PL096475.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168887BS (Column 1)	gamma-BHC (Lindane)	0.5	0.50	ug/L	100				82	129		
	Heptachlor	0.5	0.50	ug/L	100				79	127		
	Heptachlor epoxide	0.5	0.53	ug/L	105				81	124		
	Endrin	0.5	0.51	ug/L	102				81	128		
	Methoxychlor	0.5	0.45	ug/L	91				78	108		
PB168887BS (Column 2)	gamma-BHC (Lindane)	0.5	0.54	ug/L	108				82	129		
	Heptachlor	0.5	0.53	ug/L	105				79	127		
	Heptachlor epoxide	0.5	0.53	ug/L	106				81	124		
	Endrin	0.5	0.50	ug/L	100				81	128		
	Methoxychlor	0.5	0.46	ug/L	93				78	108		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168887BL

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: PB168887BL

Lab File ID: PL096474.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/16/2025

Date Analyzed (1): 07/18/2025

Date Analyzed (2): 07/18/2025

Time Analyzed (1): 16:56

Time Analyzed (2): 16:56

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
WC-SOIL-20250711	Q2592-02	PL096450.D	07/18/2025	07/18/2025
WC-SOIL-20250711MS	Q2592-02MS	PL096462.D	07/18/2025	07/18/2025
WC-SOIL-20250711MSD	Q2592-02MSD	PL096463.D	07/18/2025	07/18/2025
PB168847TB	PB168847TB	PL096470.D	07/18/2025	07/18/2025
PB168887BS	PB168887BS	PL096475.D	07/18/2025	07/18/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-02	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
PL096450.D	1	07/16/25 11:02	07/18/25 11:07	PB168887

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.096	0.50	ug/L
72-20-8	Endrin	0.50	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		57 - 171	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		61 - 148	96%	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\PL071825\
 Data File : PL096450.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 11:07
 Operator : AR\AJ
 Sample : Q2592-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20250711

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 11:22:11 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	2.826	65279288	111.3E6	17.890m	19.290
28) SA Decachlor...	9.022	7.994	47324669	87581039	16.823	17.564

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 11:07
Operator : AR\AJ
Sample : Q2592-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

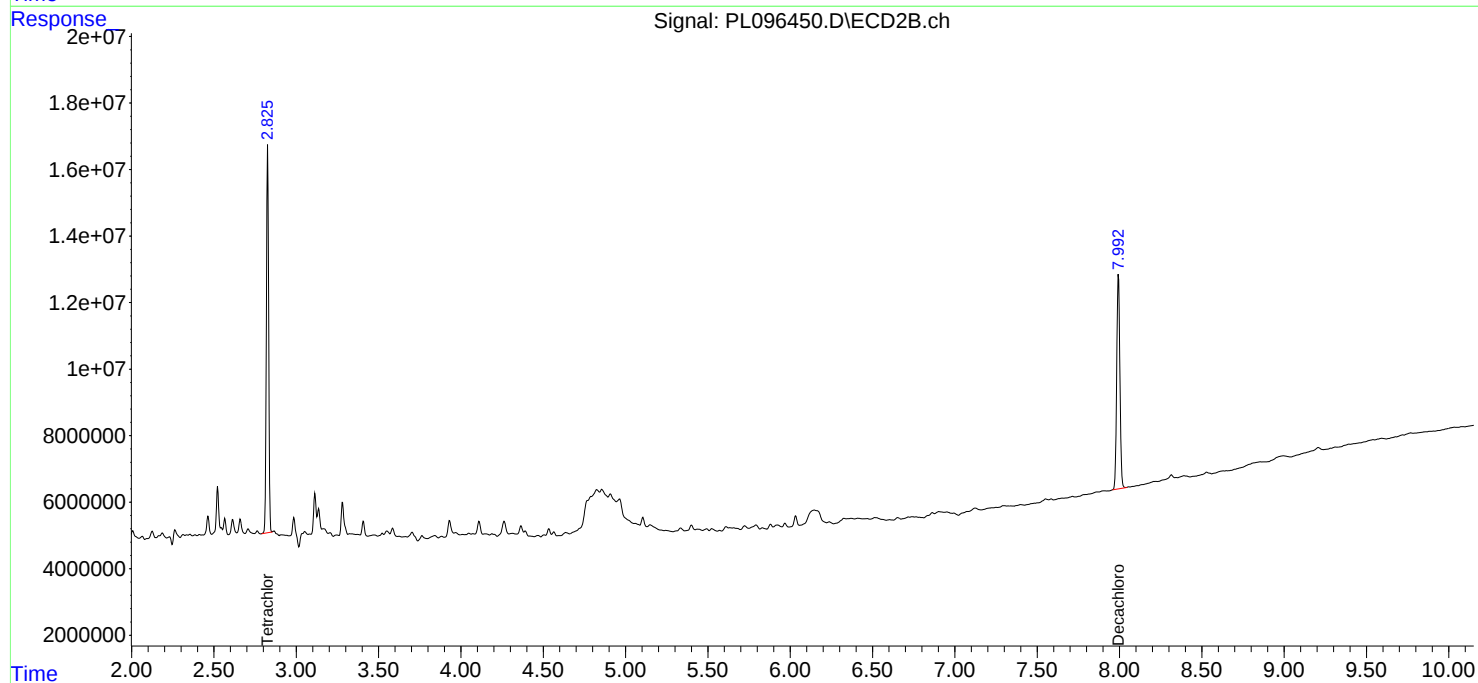
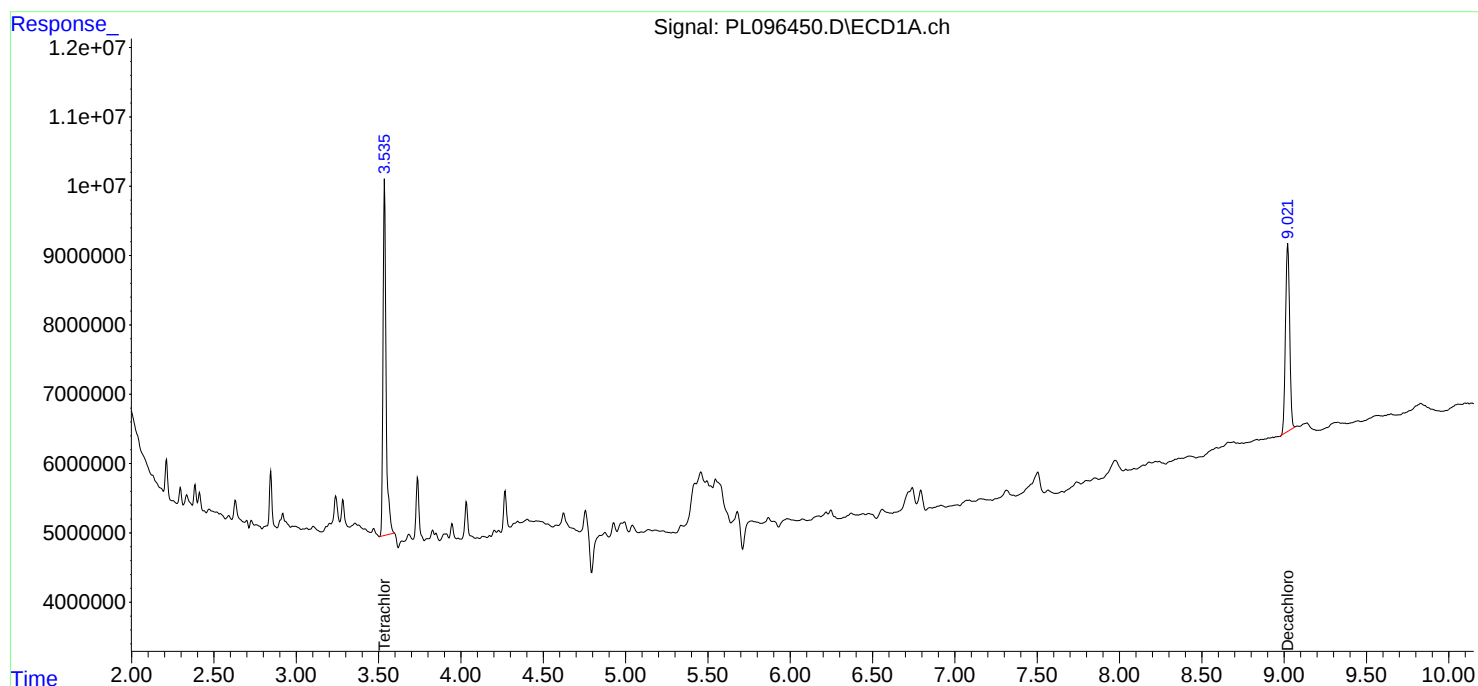
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711

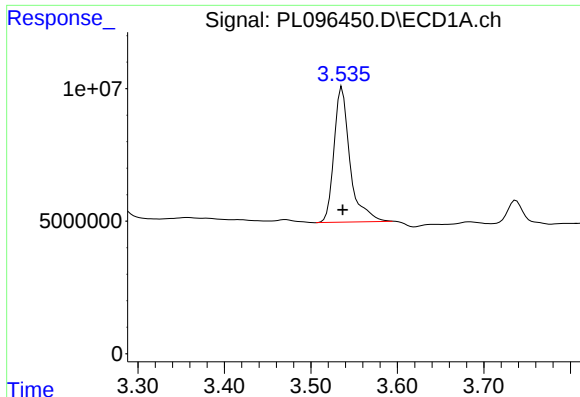
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 11:22:11 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





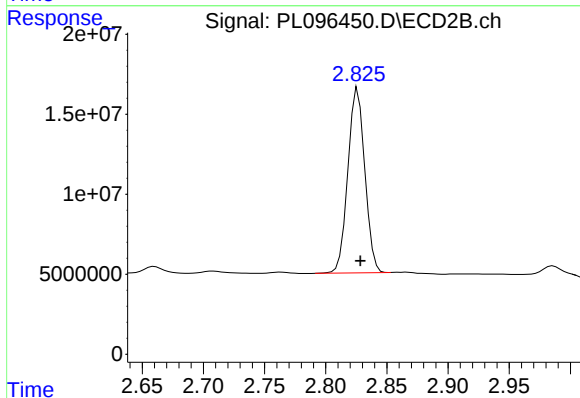
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 65279288
Conc: 17.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711

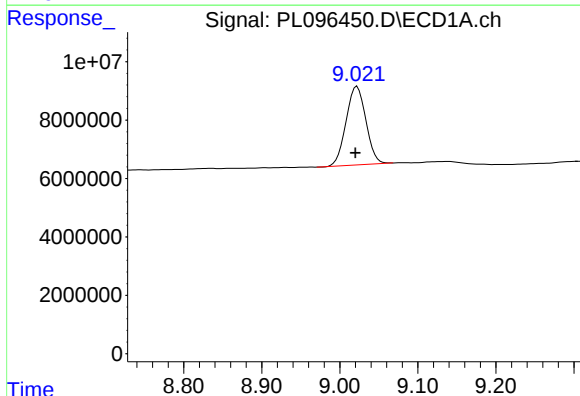
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



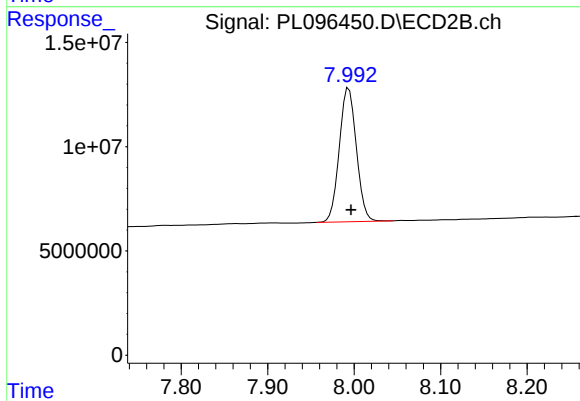
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 111325773
Conc: 19.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.002 min
Response: 47324669
Conc: 16.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 87581039
Conc: 17.56 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: PARS02

Lab Code: ACE

SDG NO.: Q2592

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



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

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



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
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



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
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

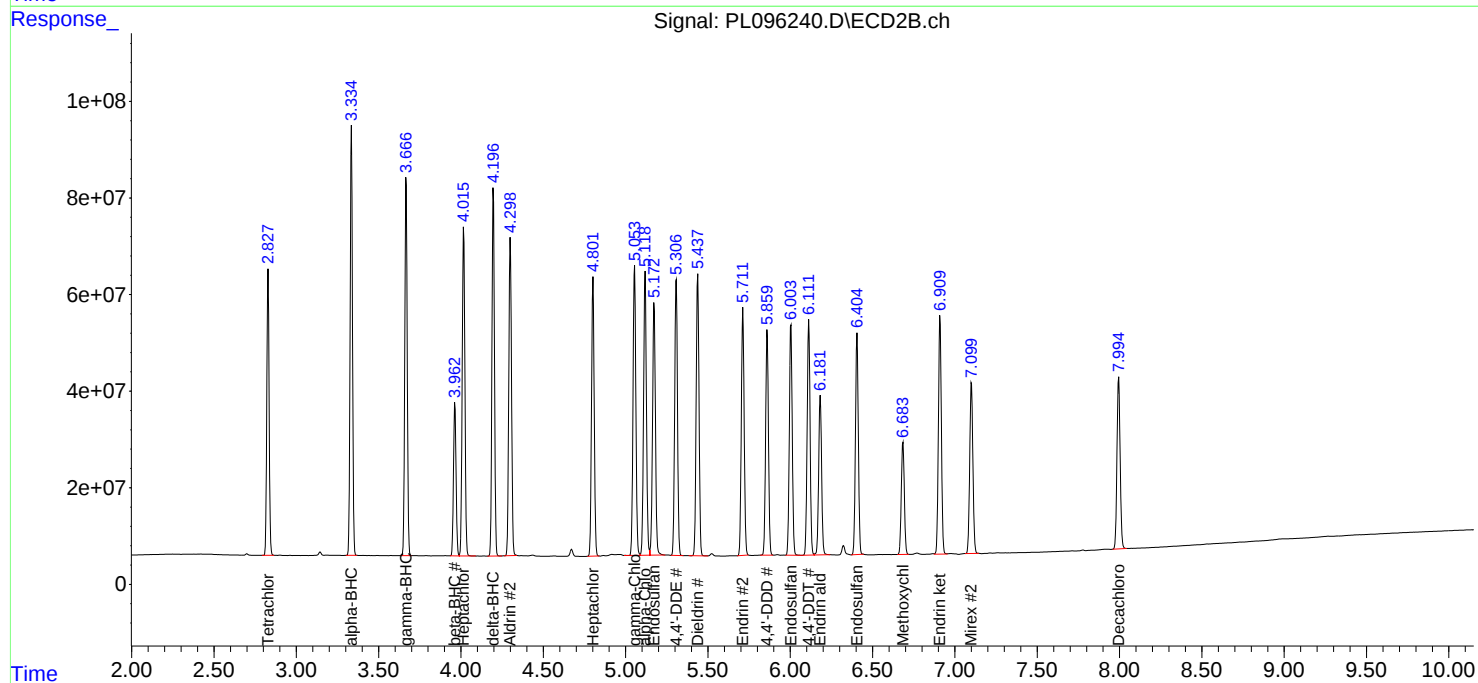
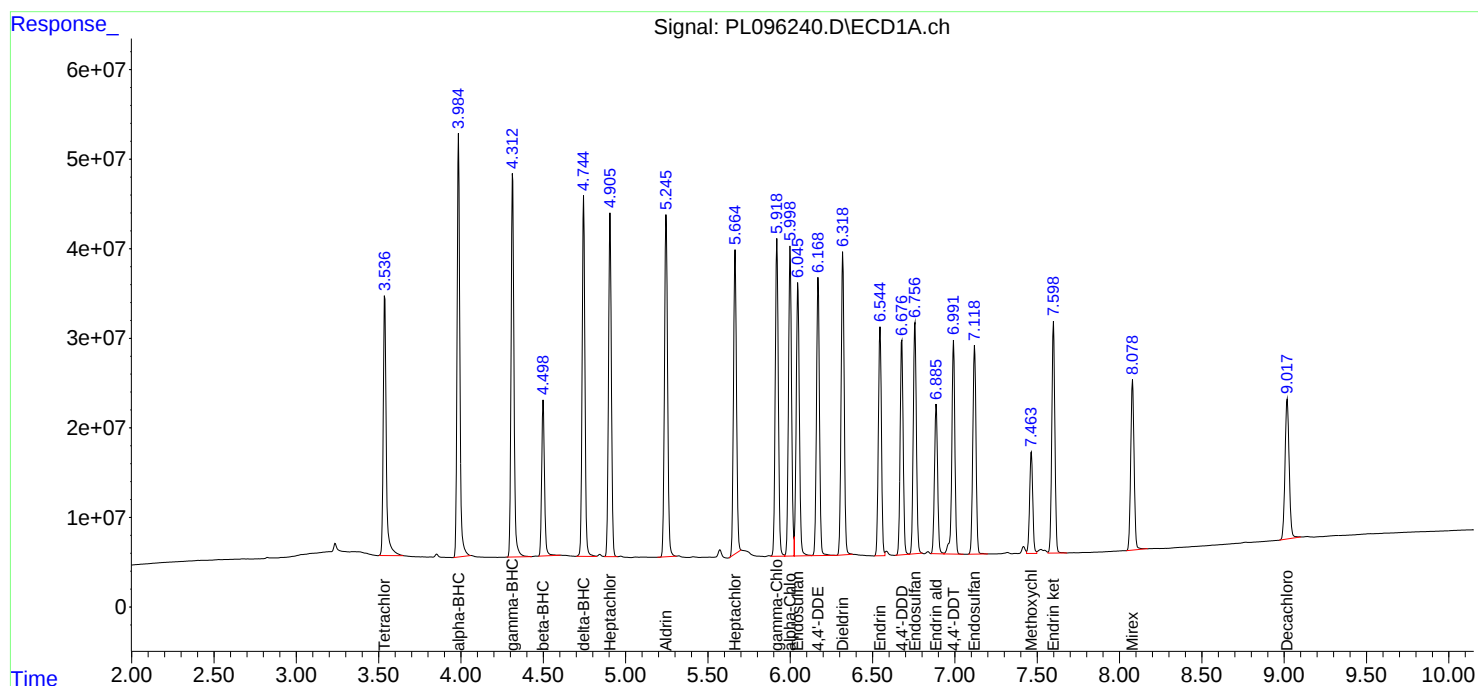
APPROVED

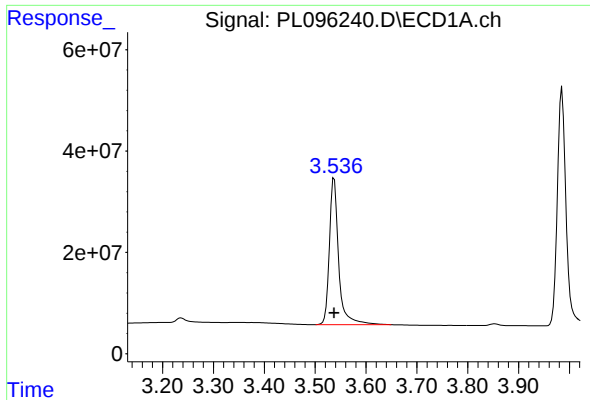
Reviewed By :Abdul Mirza 07/08/2025

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

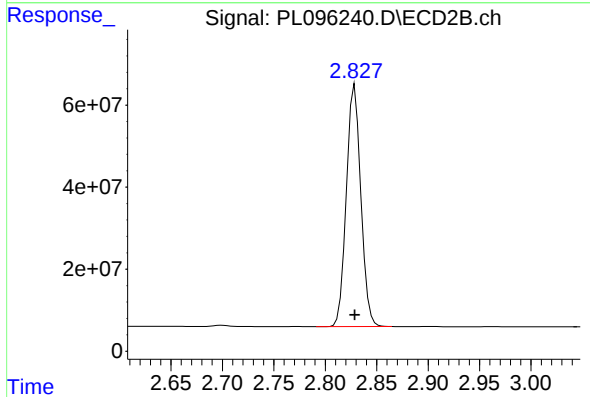
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 368713396
Conc: 101.10 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

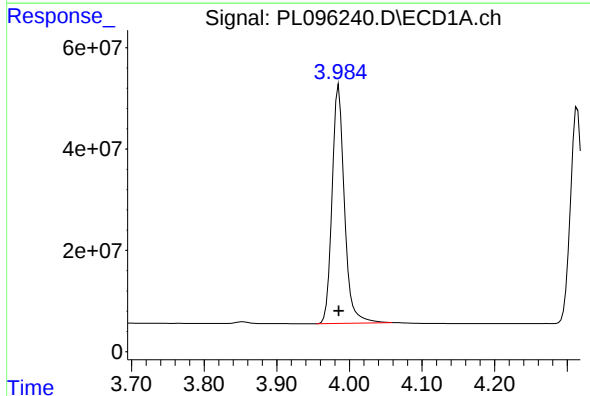
Manual Integrations
APPROVED

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



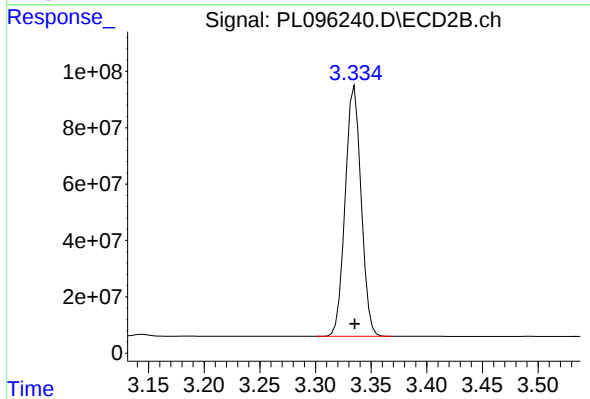
#1 Tetrachloro-m-xylene

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



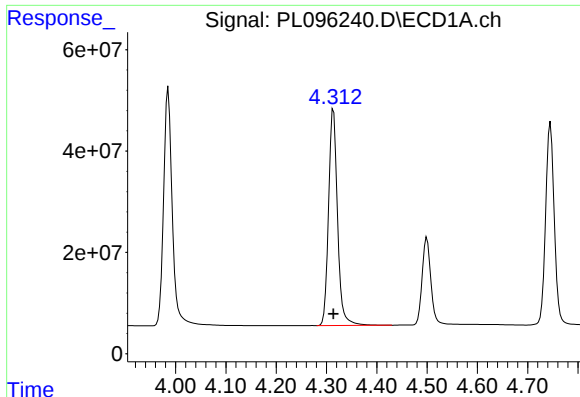
#2 alpha-BHC

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)

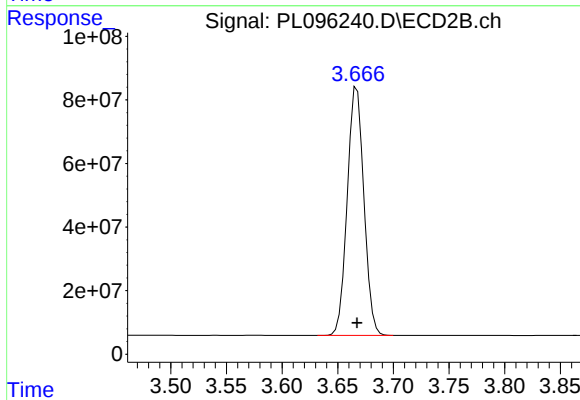
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 527748889
Conc: 102.66 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

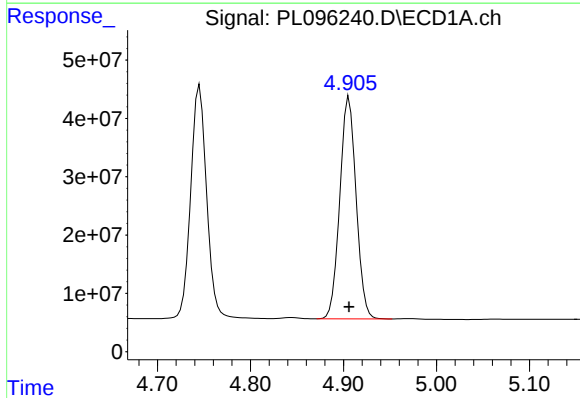
Manual Integrations
APPROVED

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



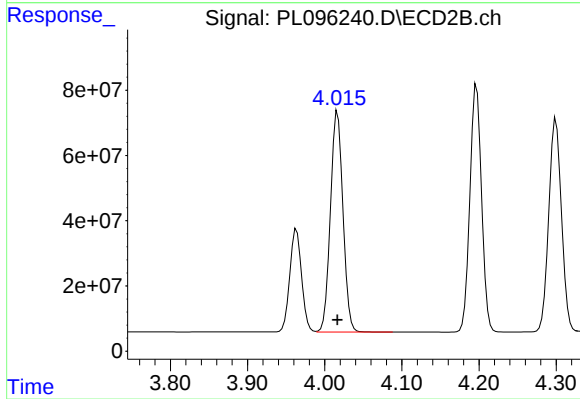
#3 gamma-BHC (Lindane)

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



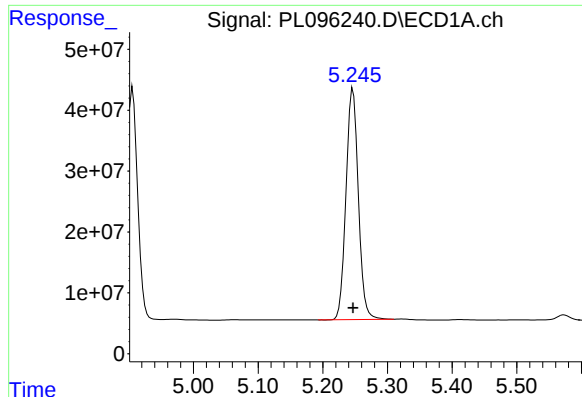
#4 Heptachlor

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



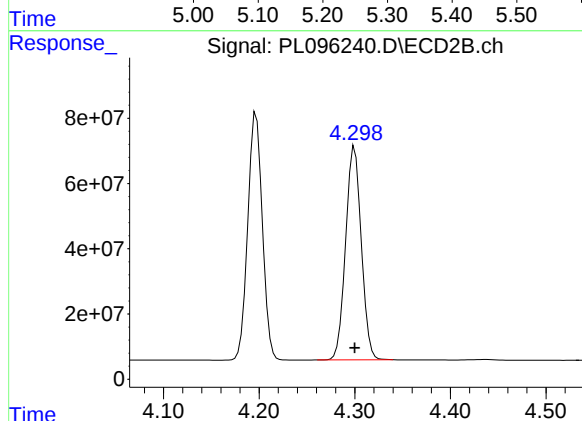
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

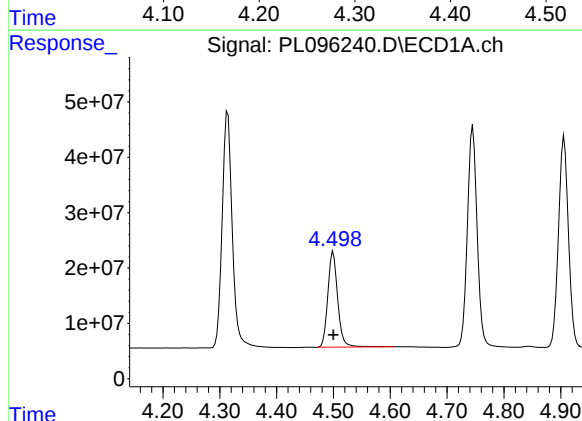
Manual Integrations
APPROVED

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



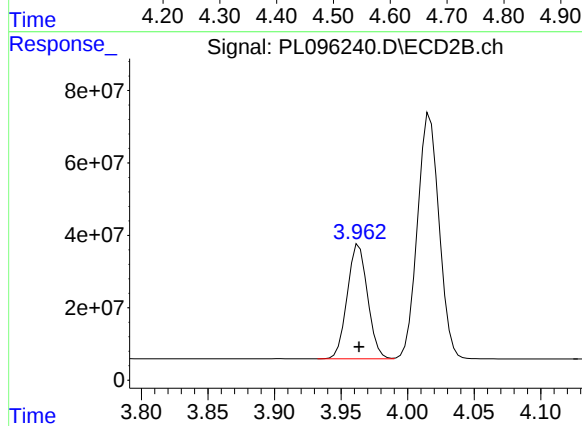
#5 Aldrin

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



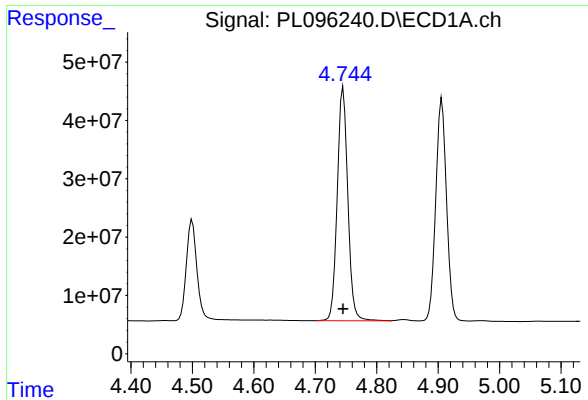
#6 beta-BHC

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

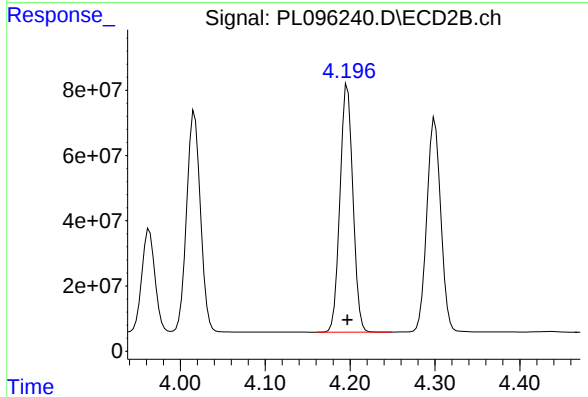
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 480409974
Conc: 103.08 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

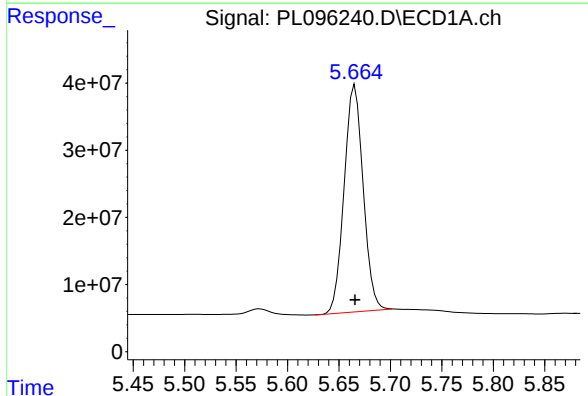
Manual Integrations
APPROVED

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



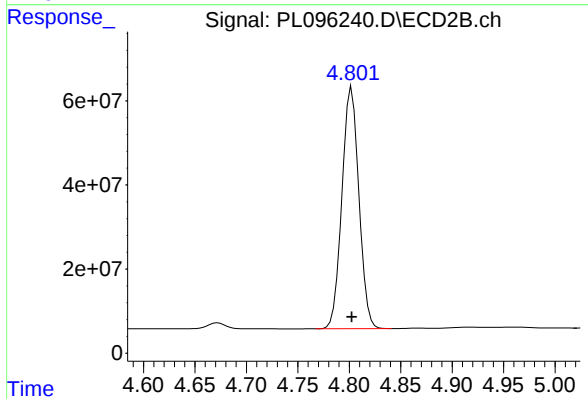
#7 delta-BHC

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



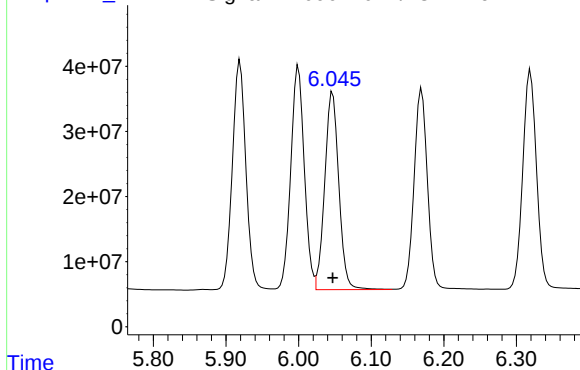
#8 Heptachlor epoxide

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

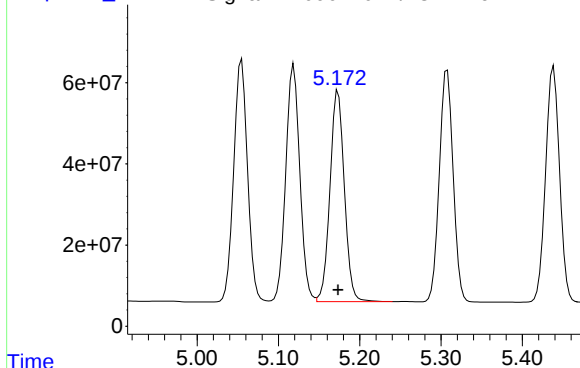
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096240.D\ECD2B.ch

#9 Endosulfan I



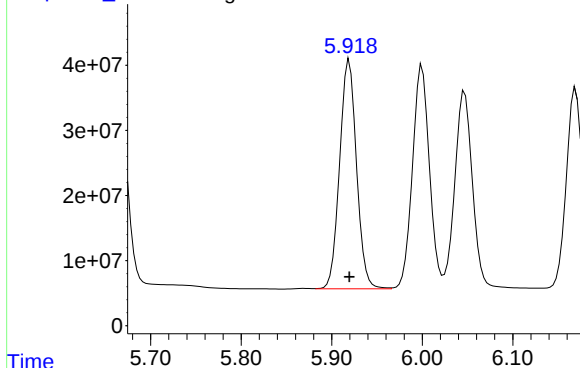
R.T.: 5.174 min
Delta R.T.: 0.000 min
Response: 641606385
Conc: 98.82 ng/ml

Time

Response_

Signal: PL096240.D\ECD1A.ch

#10 gamma-Chlordane



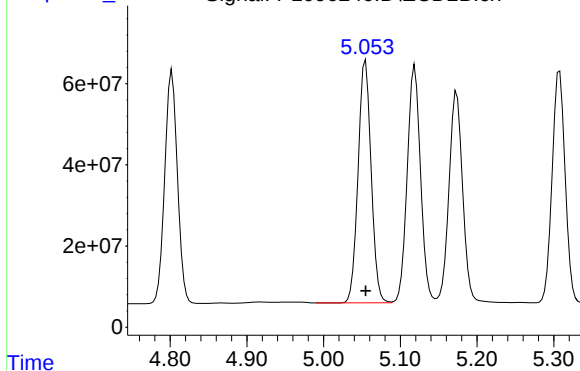
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 456960375
Conc: 101.78 ng/ml

Time

Response_

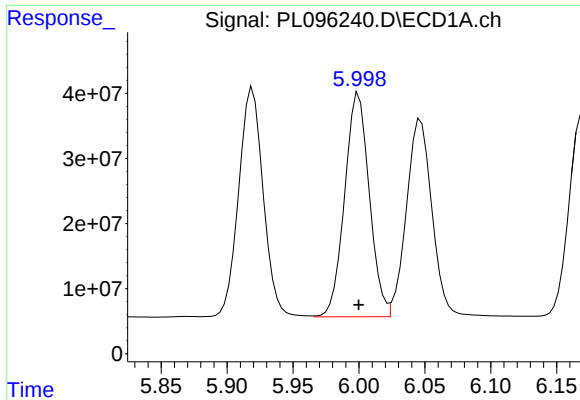
Signal: PL096240.D\ECD2B.ch

#10 gamma-Chlordane



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

Time



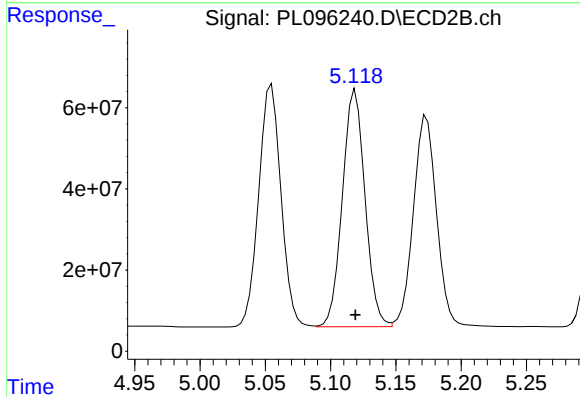
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

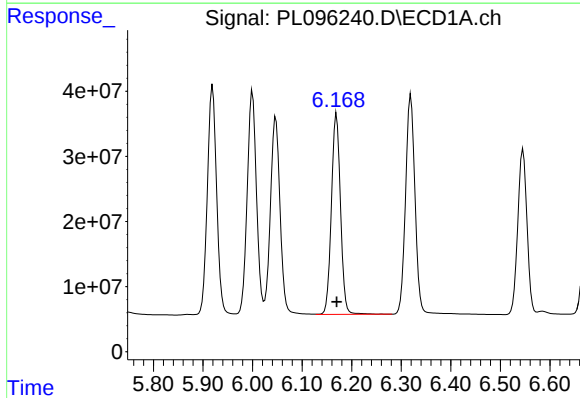
Manual Integrations
APPROVED

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



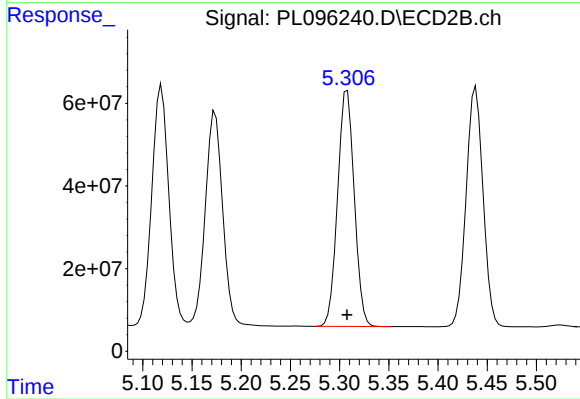
#11 alpha-Chlordane

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



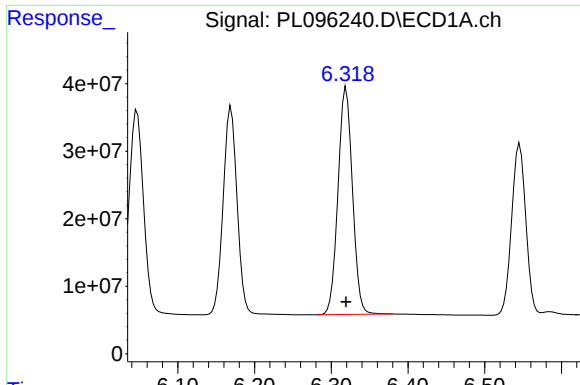
#12 4,4'-DDE

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



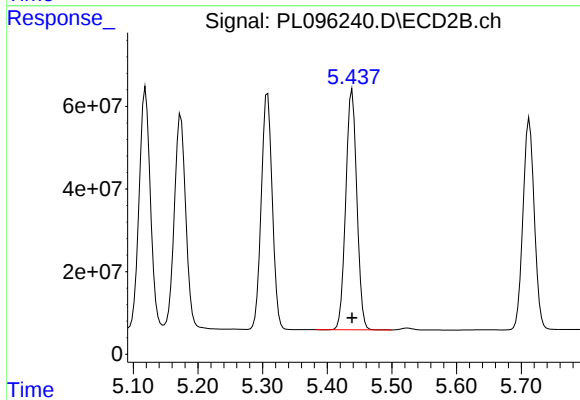
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

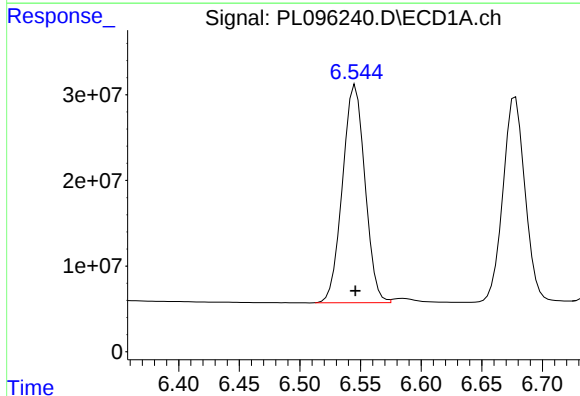
Manual Integrations
APPROVED

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



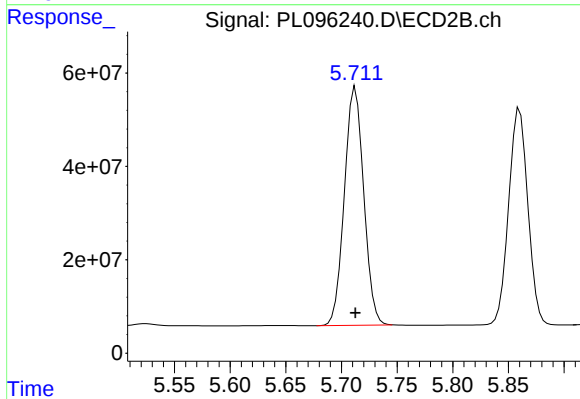
#13 Dieldrin

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



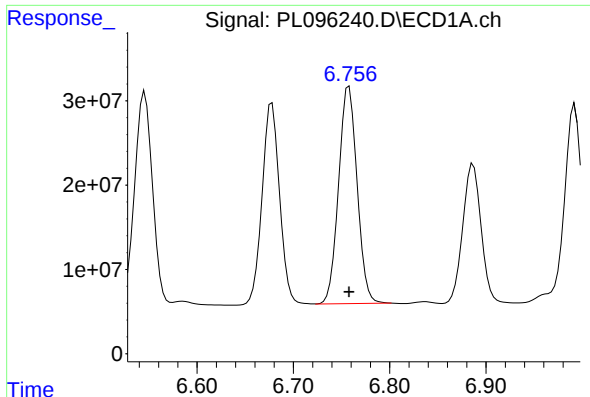
#14 Endrin

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



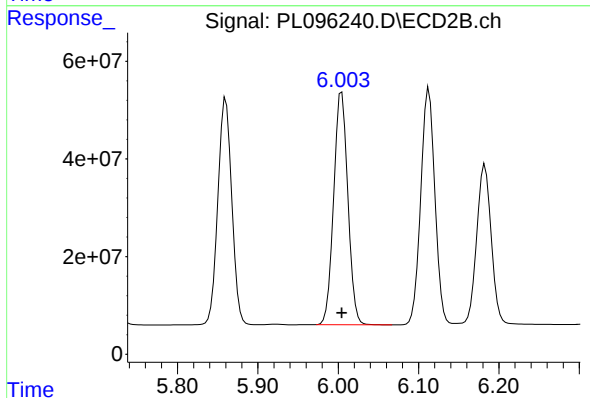
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

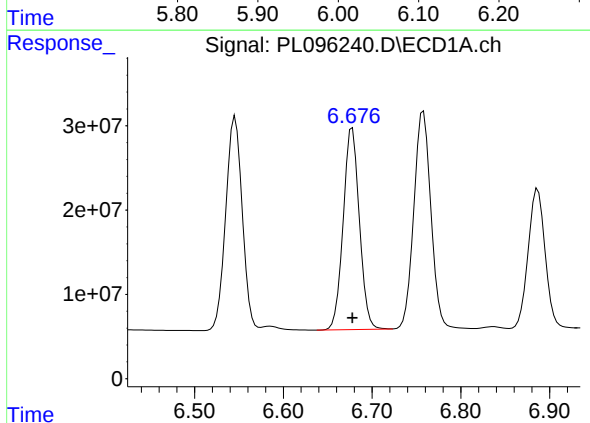
Manual Integrations
APPROVED

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



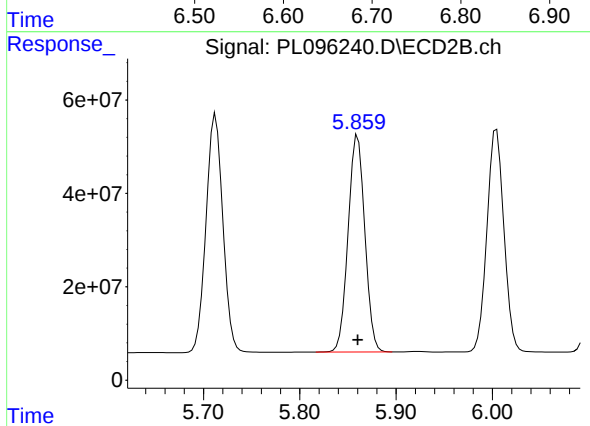
#15 Endosulfan II

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



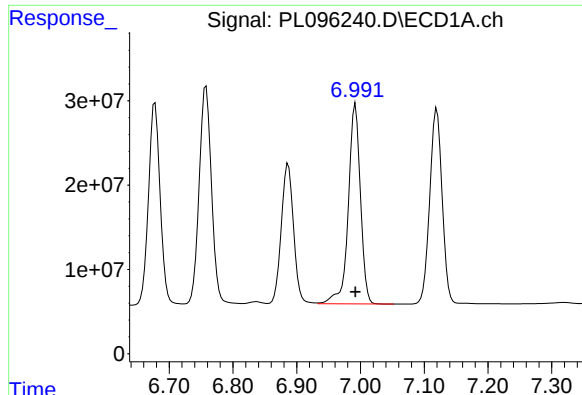
#16 4,4'-DDD

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



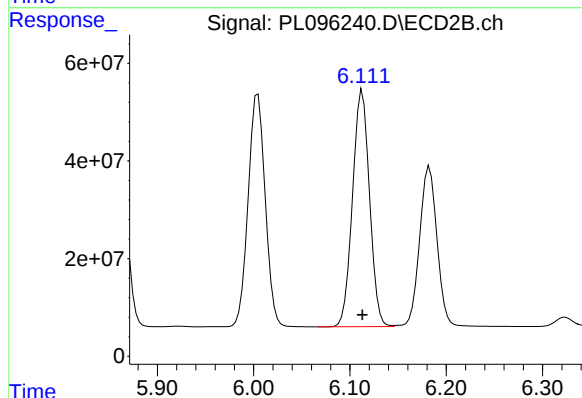
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

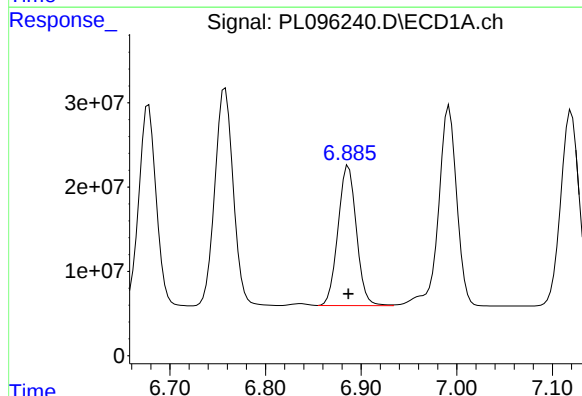
Manual Integrations
APPROVED

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



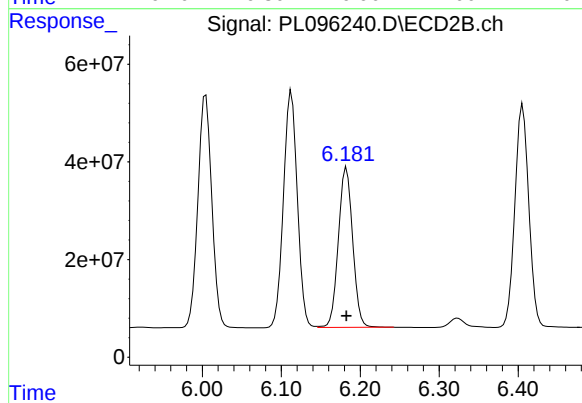
#17 4,4'-DDT

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



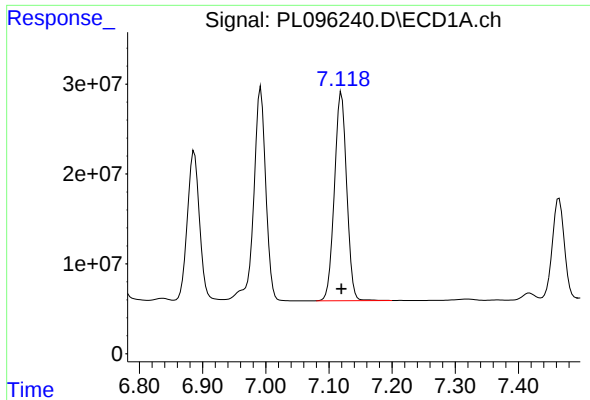
#18 Endrin aldehyde

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

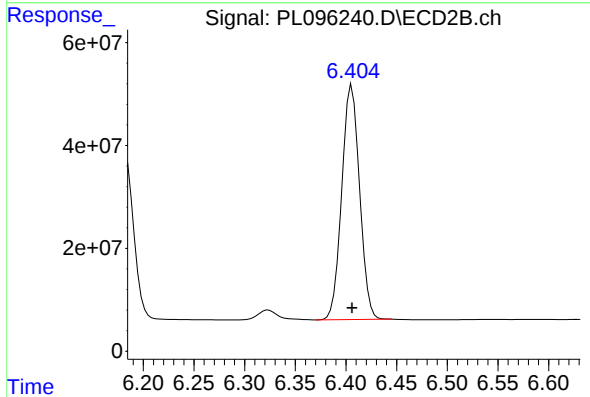
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 313710860
Conc: 101.72 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

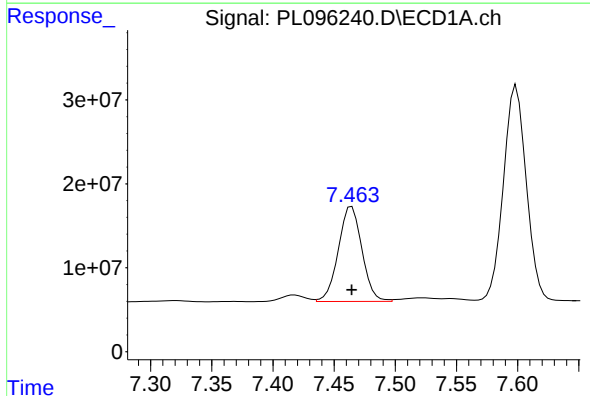
Manual Integrations
APPROVED

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



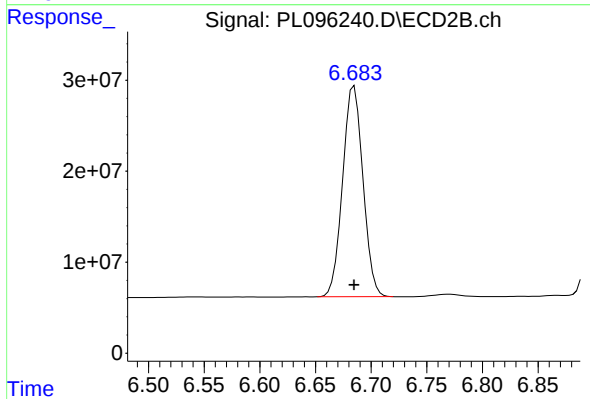
#19 Endosulfan Sulfate

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



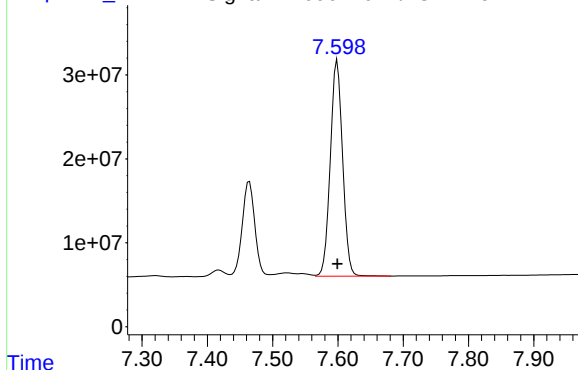
#20 Methoxychlor

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

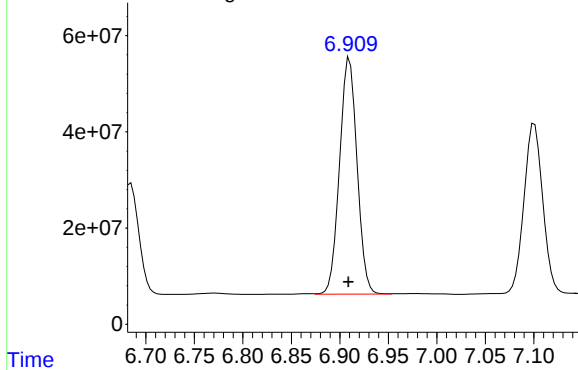


R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 337044938
Conc: 101.07 ng/ml

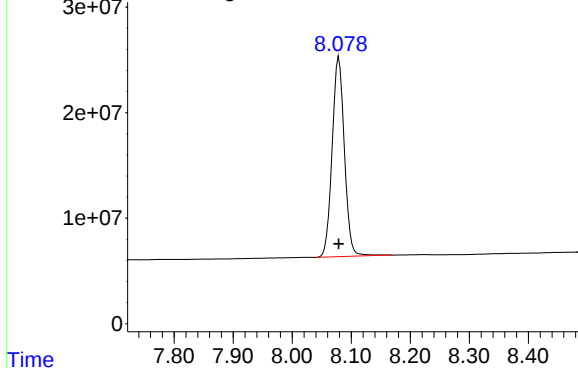
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations
APPROVED

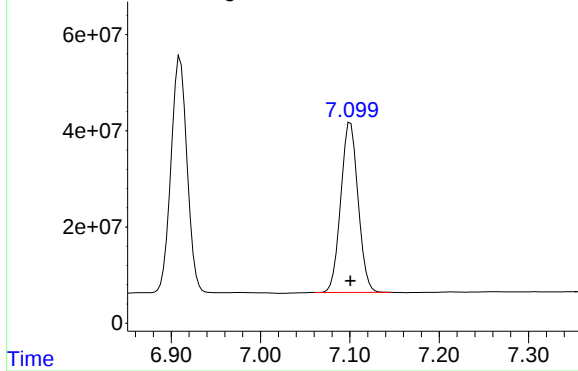
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



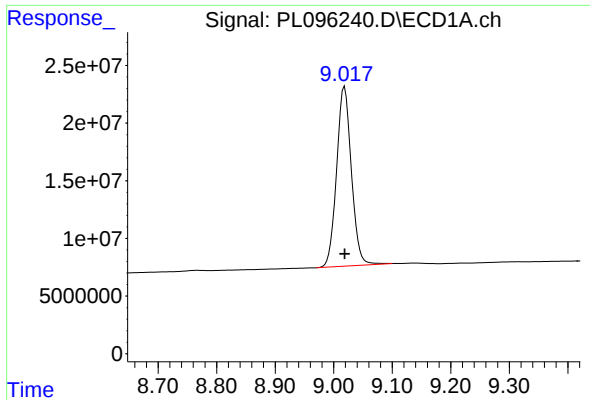
R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 616281878
Conc: 99.27 ng/ml m



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



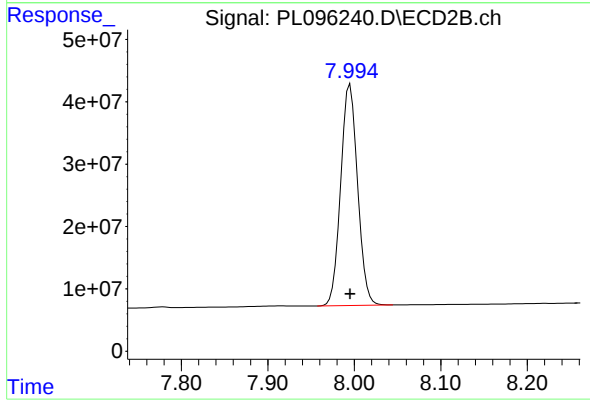
#28 Decachlorobiphenyl

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

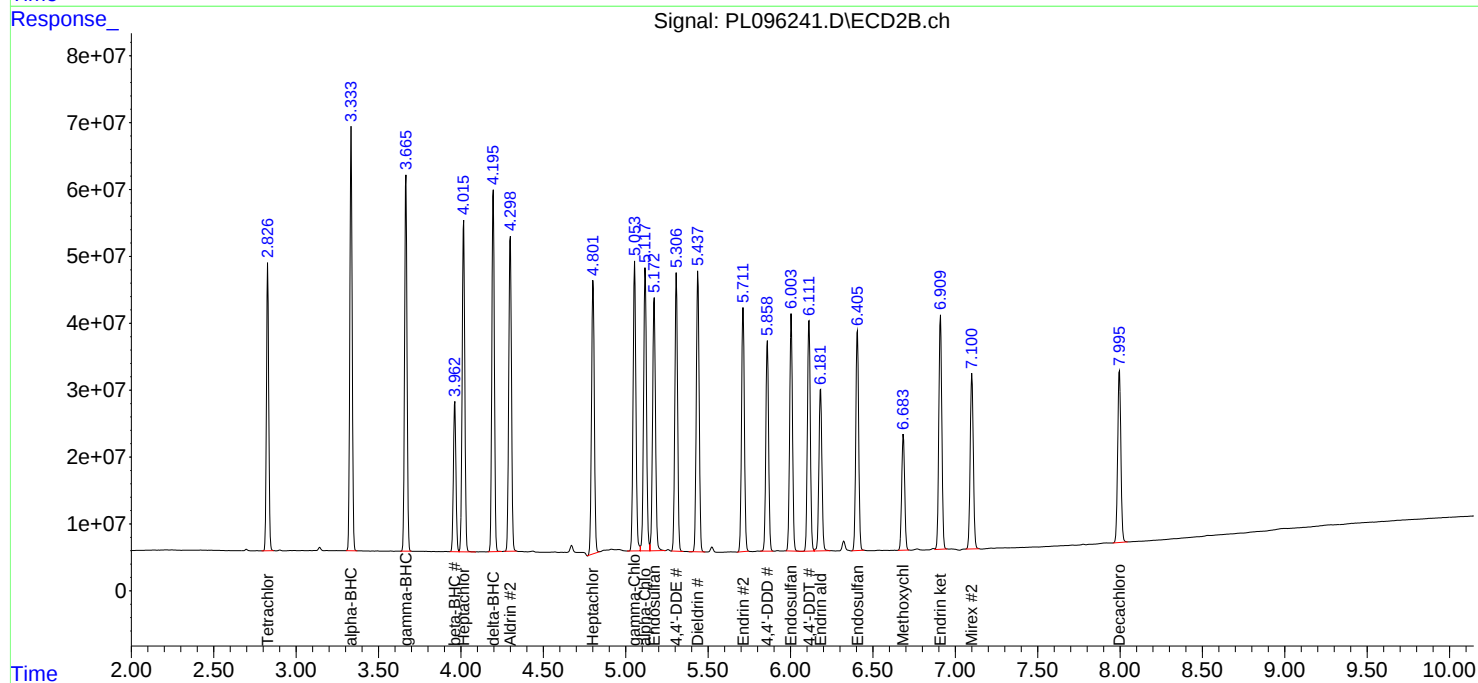
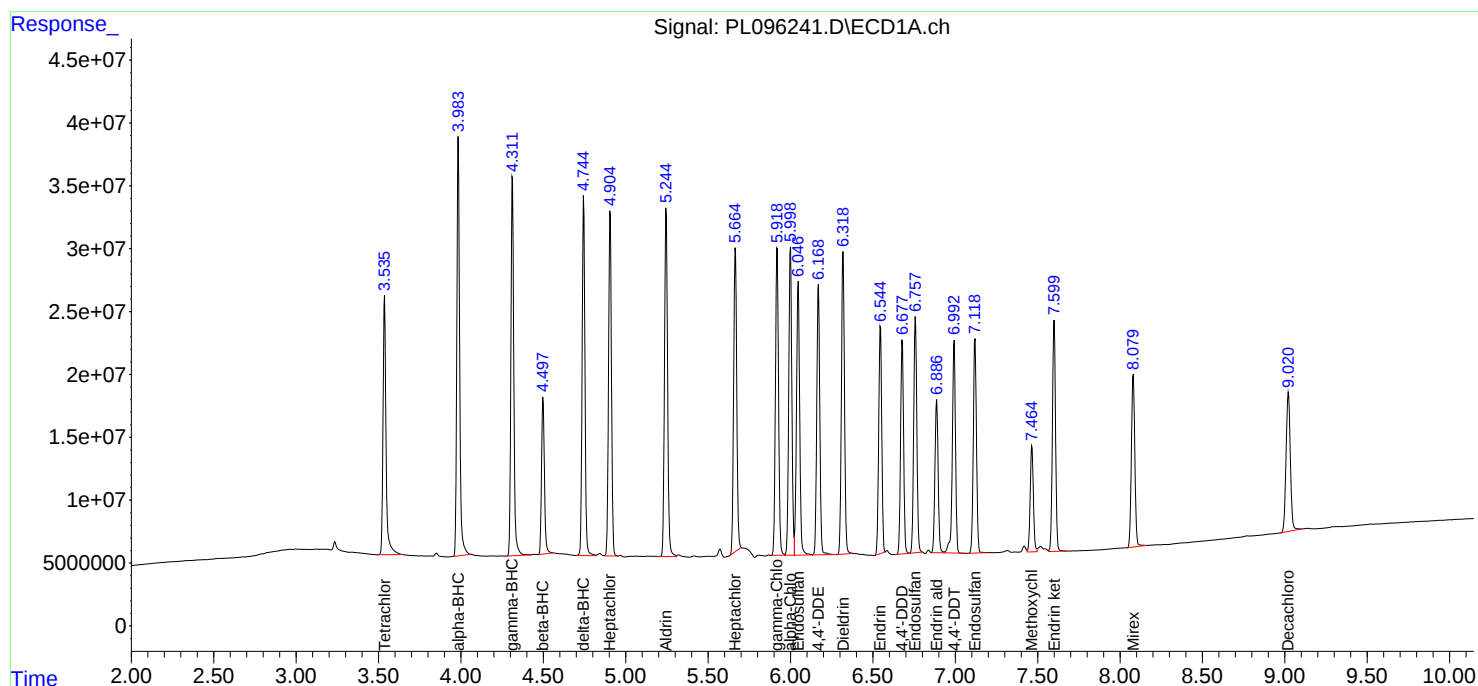
APPROVED

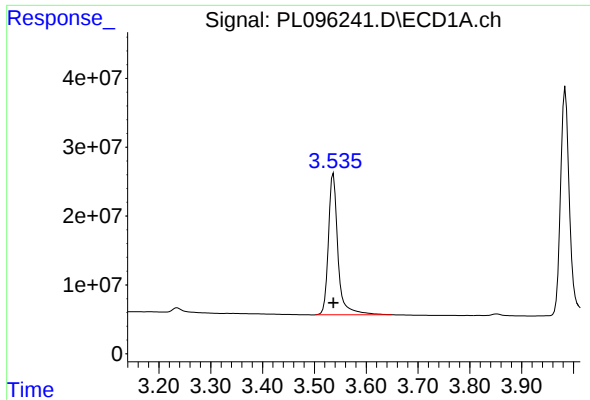
Reviewed By :Abdul Mirza 07/08/2025

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

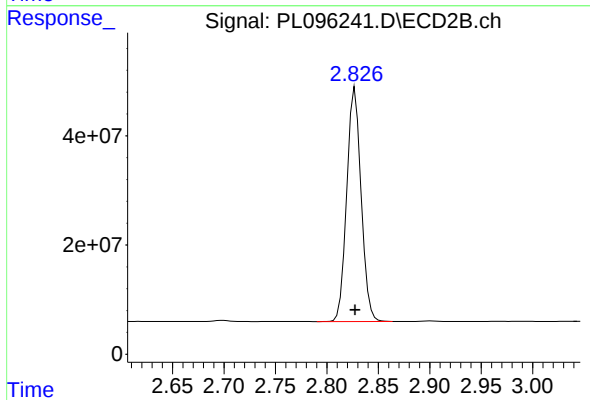
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 262543056
Conc: 72.97 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

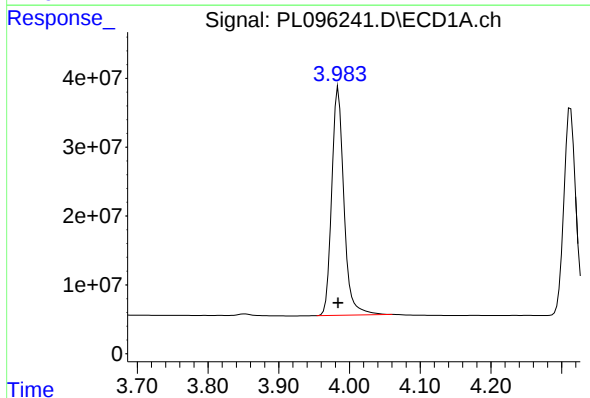
Manual Integrations
APPROVED

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



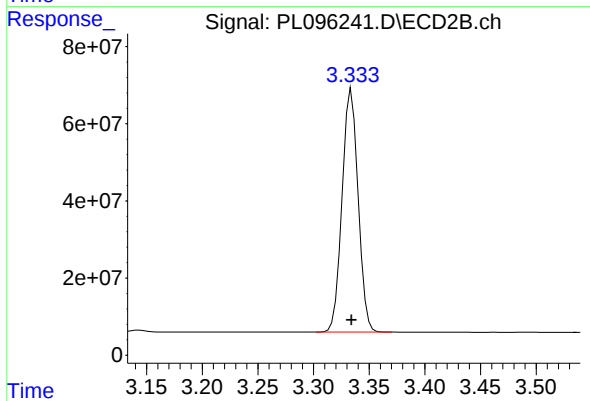
#1 Tetrachloro-m-xylene

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



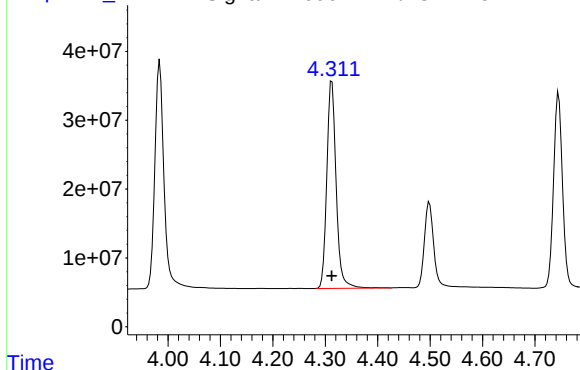
#2 alpha-BHC

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

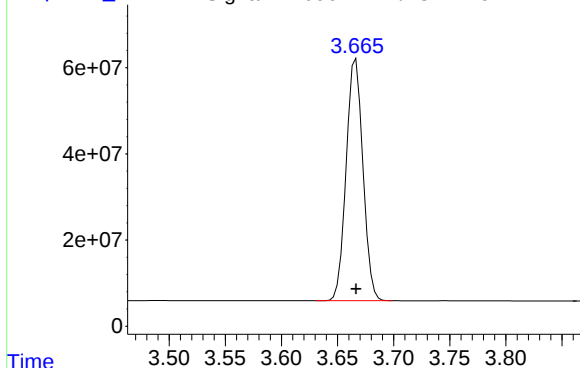
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096241.D\ECD2B.ch

#3 gamma-BHC (Lindane)



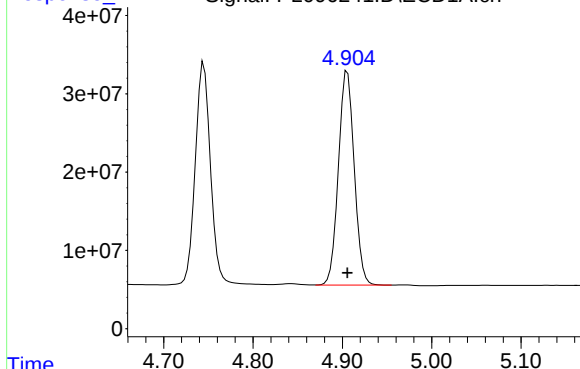
R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 583238890
Conc: 73.28 ng/ml

Time

Response_

Signal: PL096241.D\ECD1A.ch

#4 Heptachlor



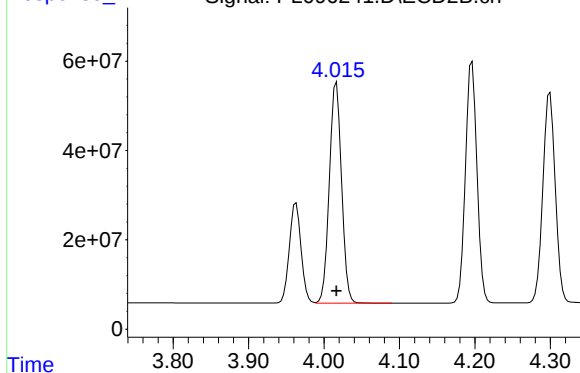
R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 336053186
Conc: 73.99 ng/ml

Time

Response_

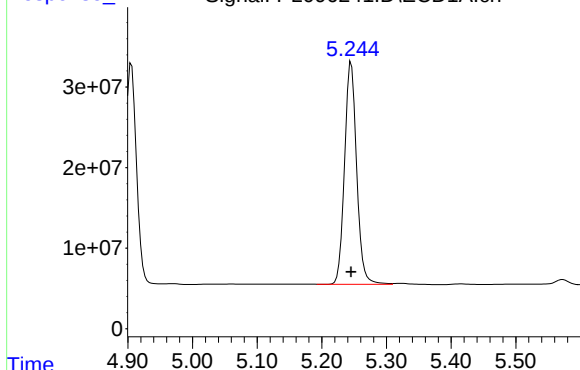
Signal: PL096241.D\ECD2B.ch

#4 Heptachlor



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

Time

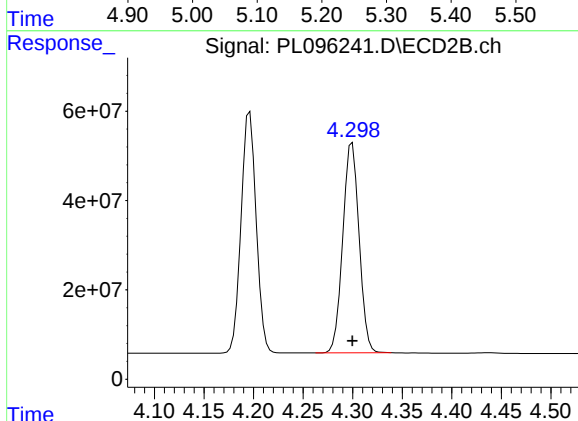


R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 359102683
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

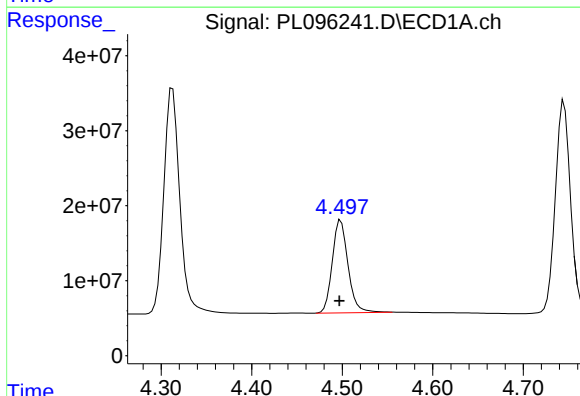
Manual Integrations
APPROVED

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



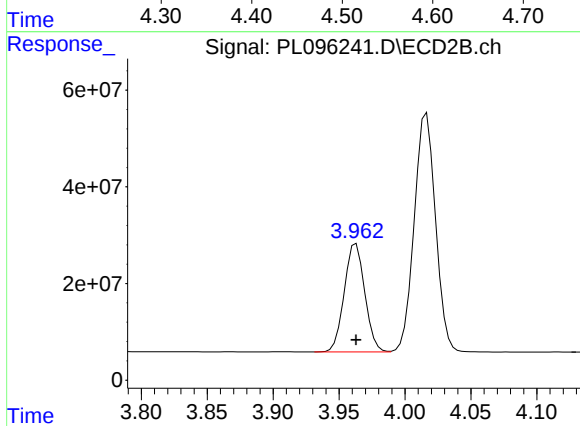
#5 Aldrin

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



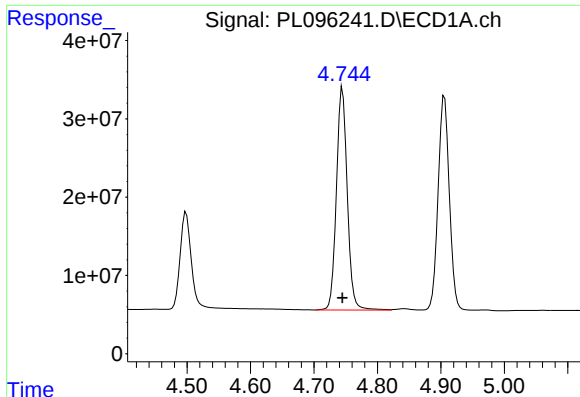
#6 beta-BHC

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



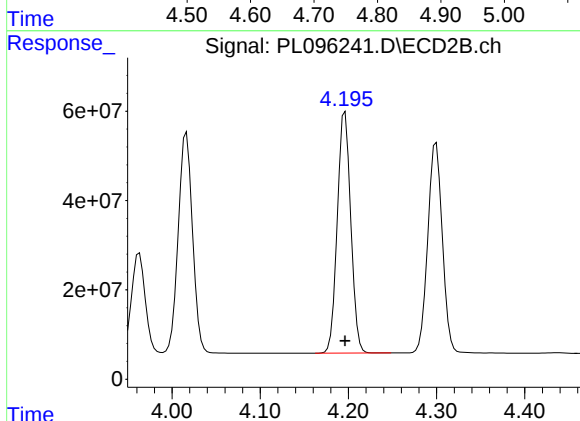
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

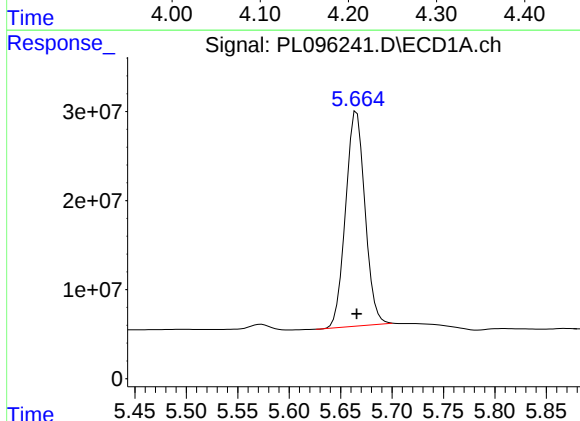
Manual Integrations
APPROVED

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



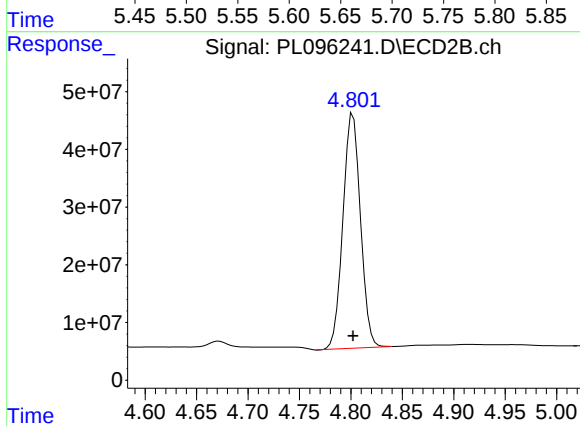
#7 delta-BHC

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



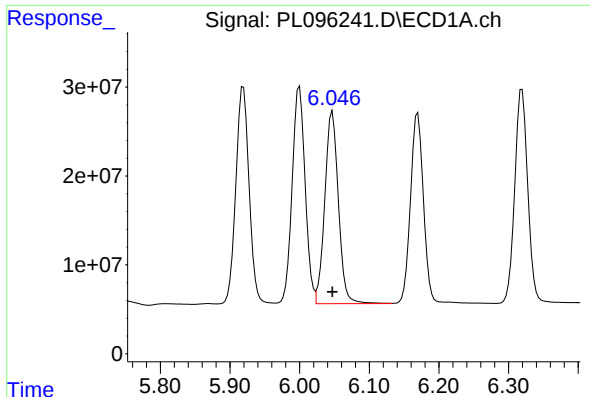
#8 Heptachlor epoxide

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



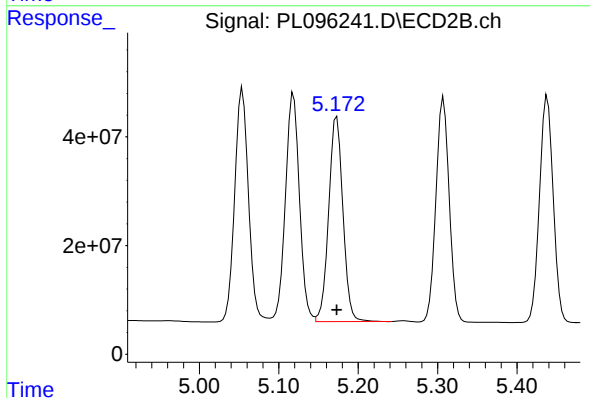
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

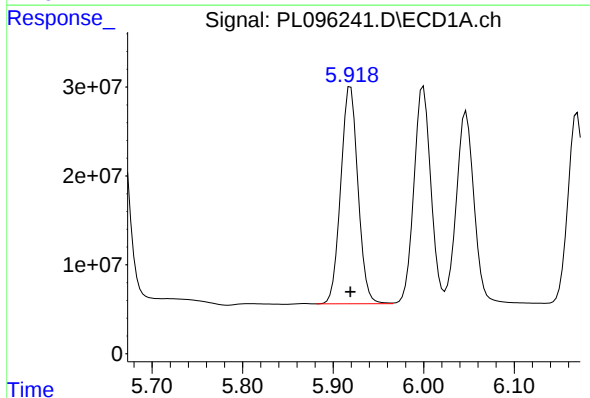
Manual Integrations
APPROVED

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



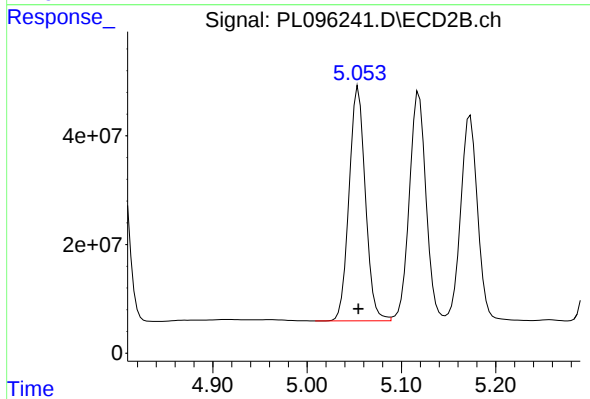
#9 Endosulfan I

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



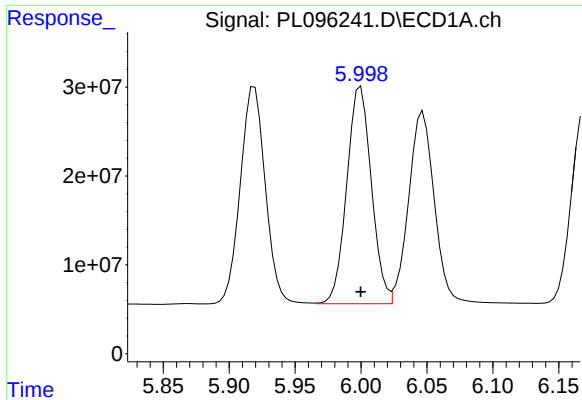
#10 gamma-Chlordane

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



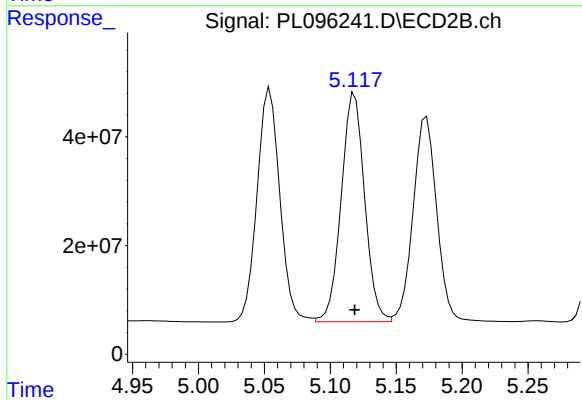
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

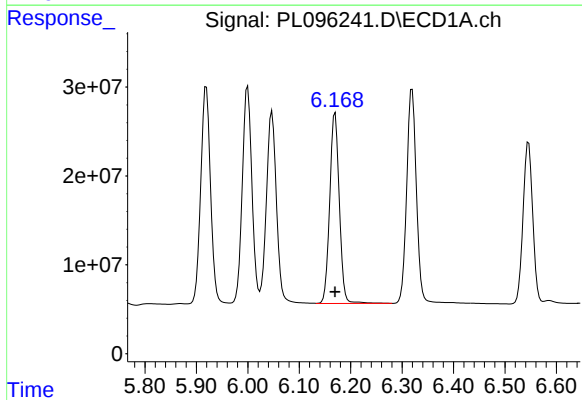
Manual Integrations
APPROVED

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



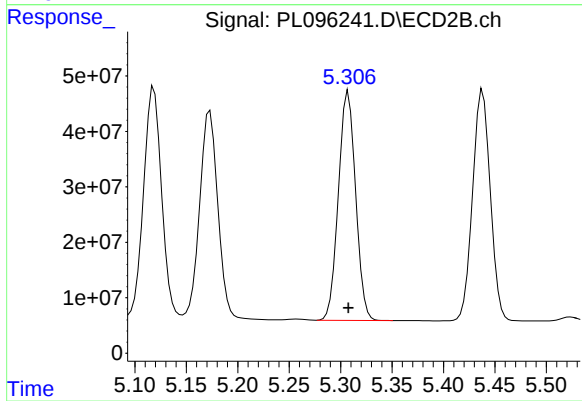
#11 alpha-Chlordane

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



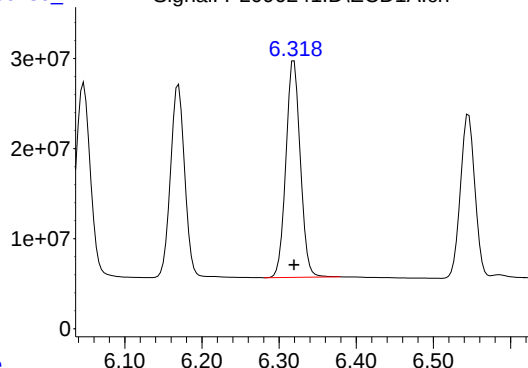
#12 4,4'-DDE

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

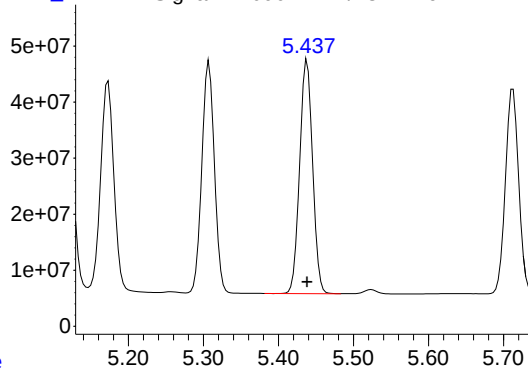
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096241.D\ECD2B.ch

#13 Dieldrin



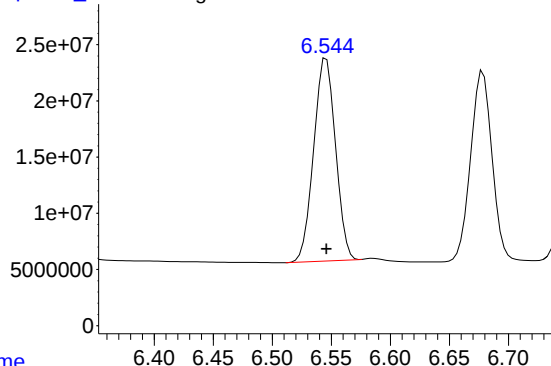
R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 500504569
Conc: 73.09 ng/ml

Time

Response_

Signal: PL096241.D\ECD1A.ch

#14 Endrin



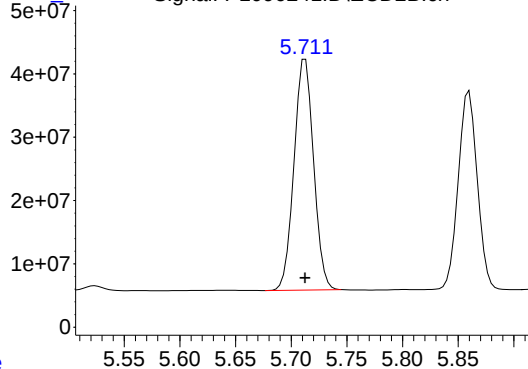
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 232219601
Conc: 73.12 ng/ml

Time

Response_

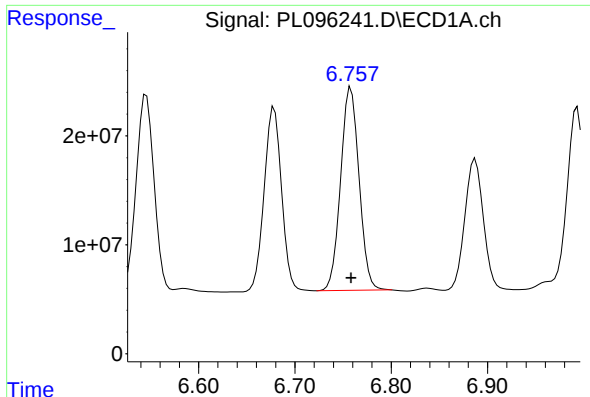
Signal: PL096241.D\ECD2B.ch

#14 Endrin



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

Time



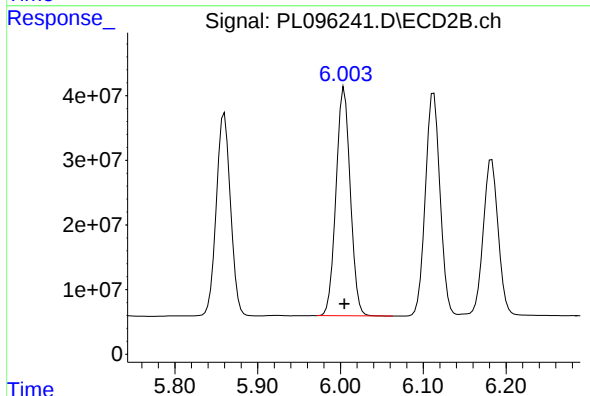
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

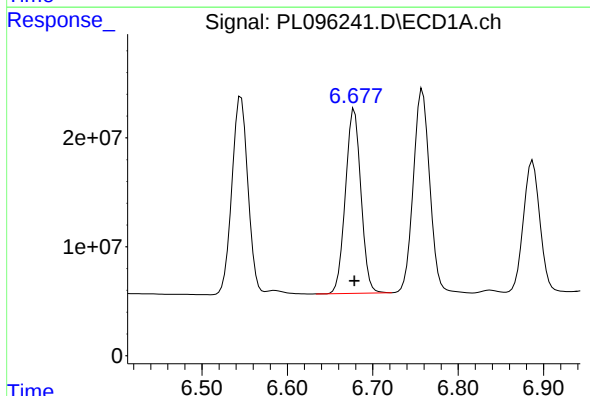
Manual Integrations
APPROVED

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



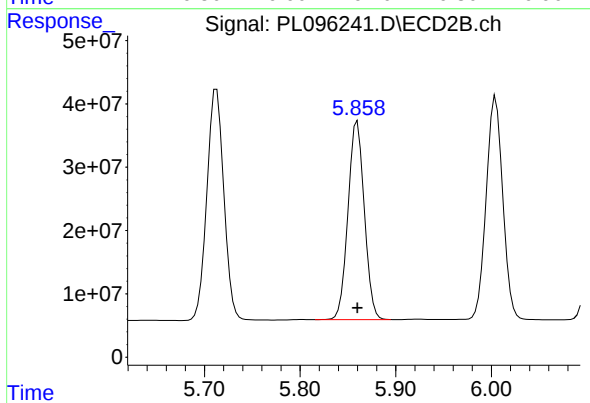
#15 Endosulfan II

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



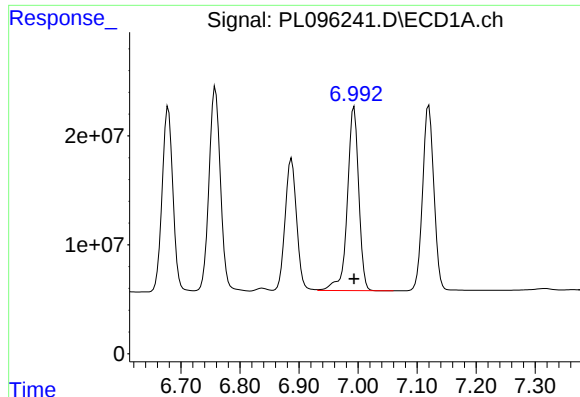
#16 4,4'-DDD

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



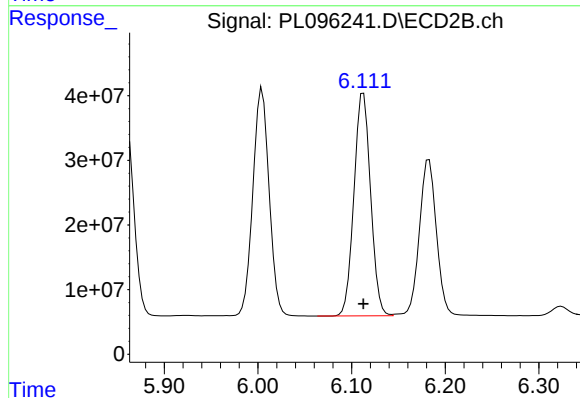
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

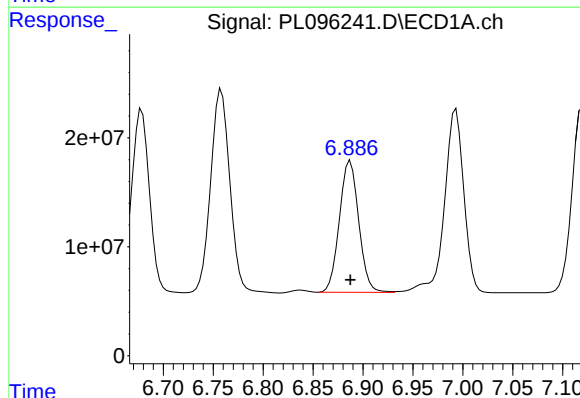
Manual Integrations
APPROVED

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



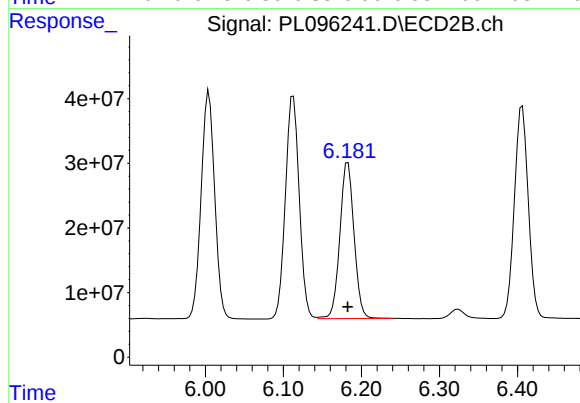
#17 4,4'-DDT

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



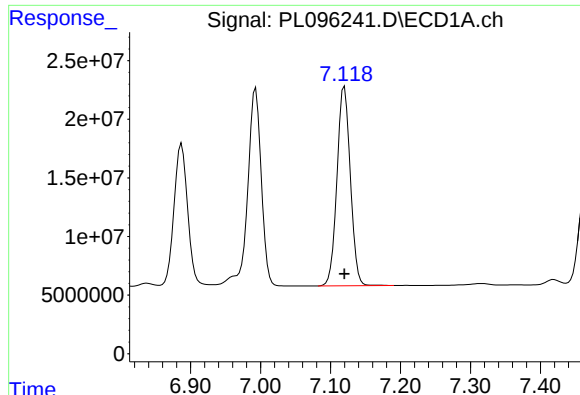
#18 Endrin aldehyde

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



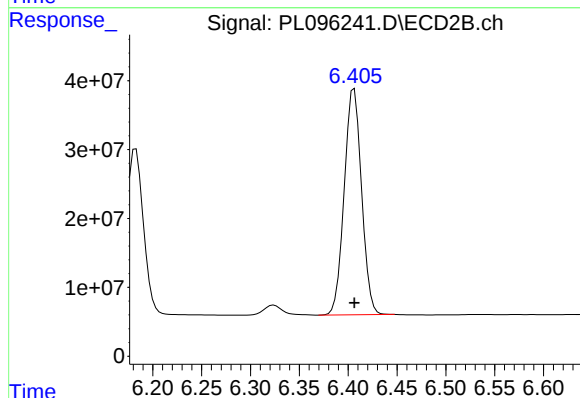
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

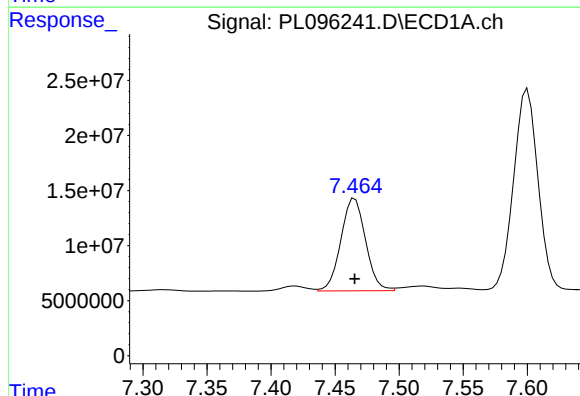
Manual Integrations
APPROVED

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



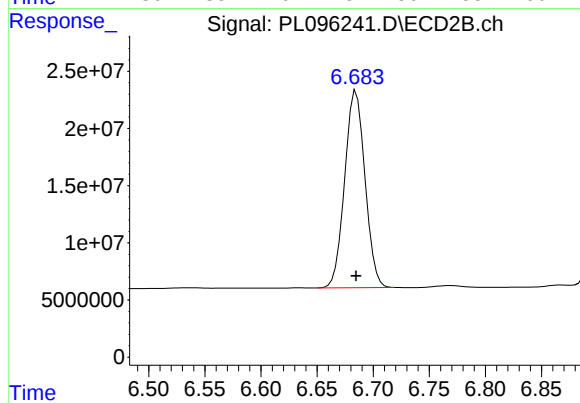
#19 Endosulfan Sulfate

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



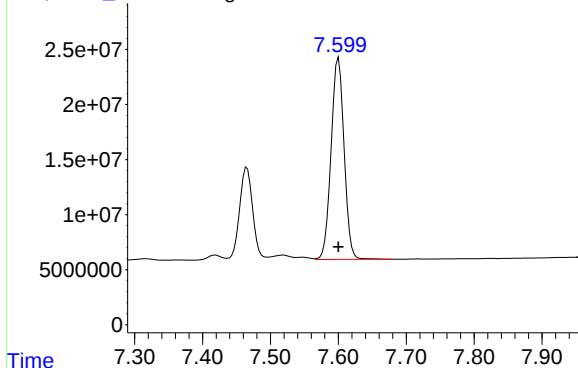
#20 Methoxychlor

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

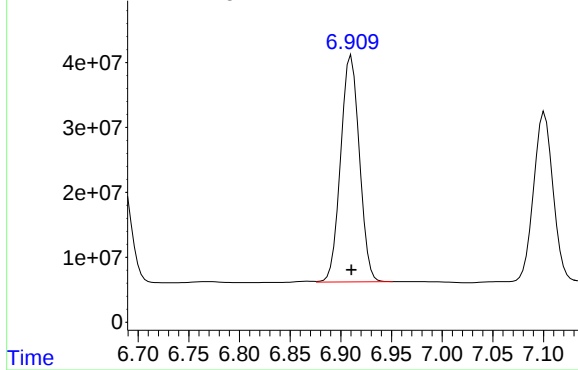


R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 243303097
Conc: 73.63 ng/ml

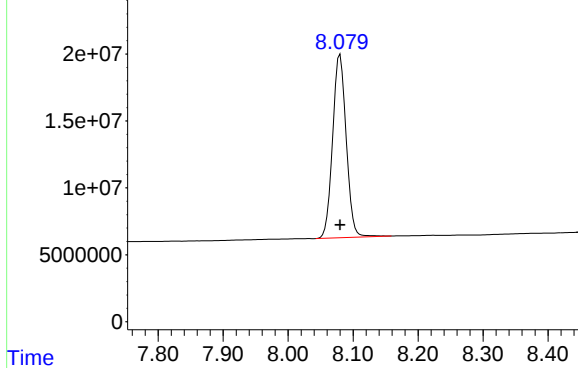
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations
APPROVED

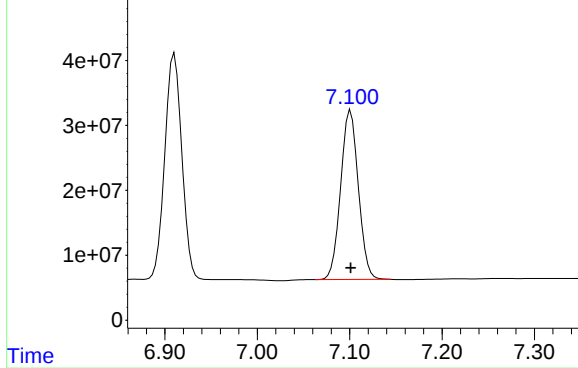
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



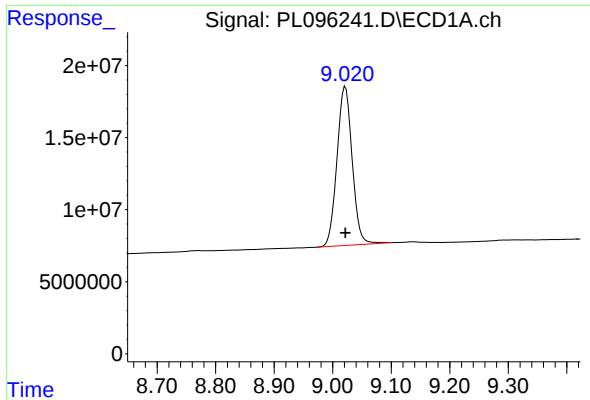
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 448848951
Conc: 73.15 ng/ml



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



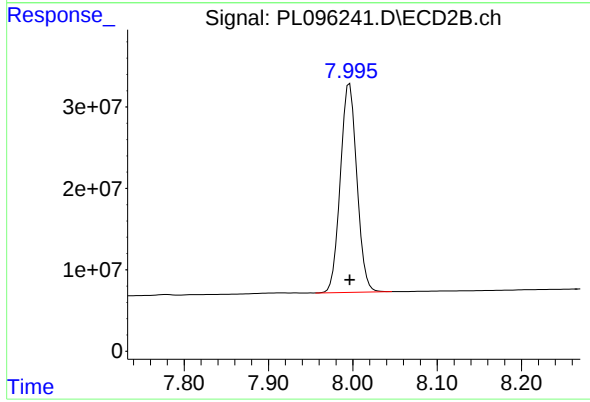
#28 Decachlorobiphenyl

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

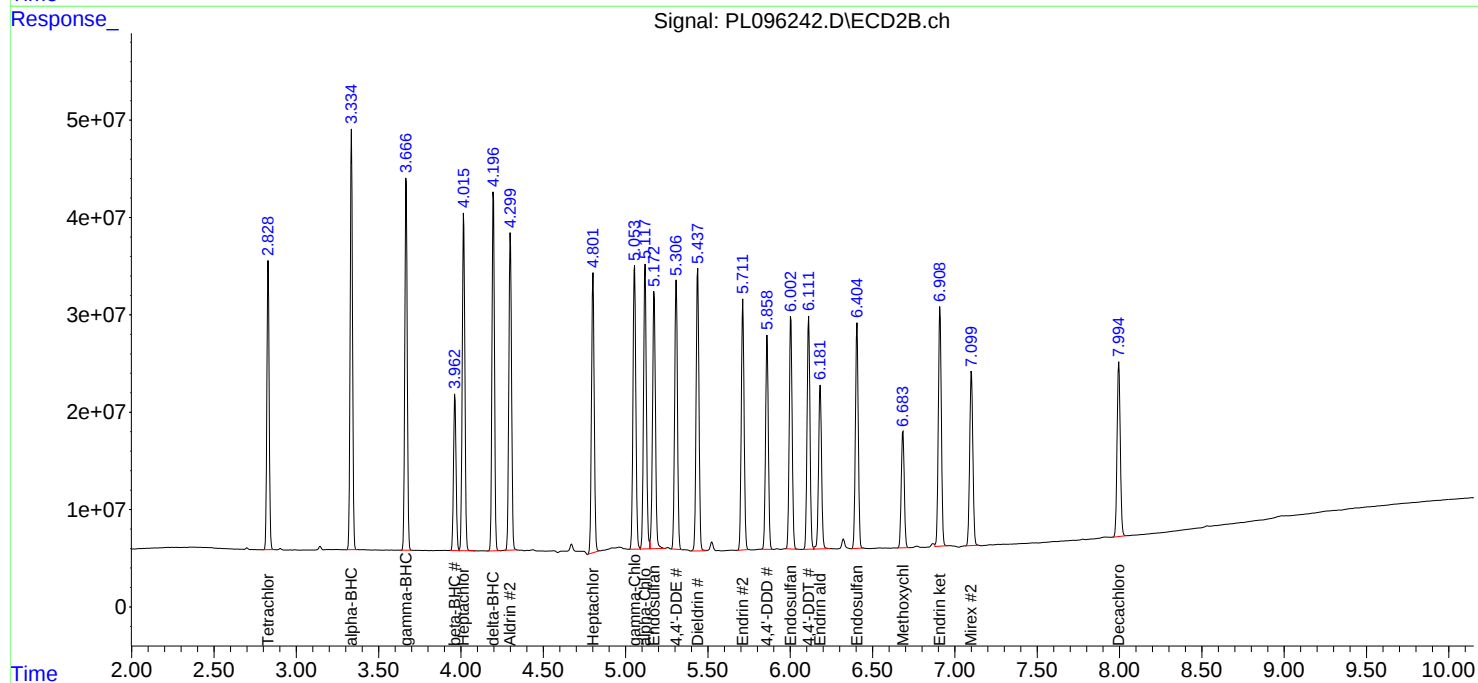
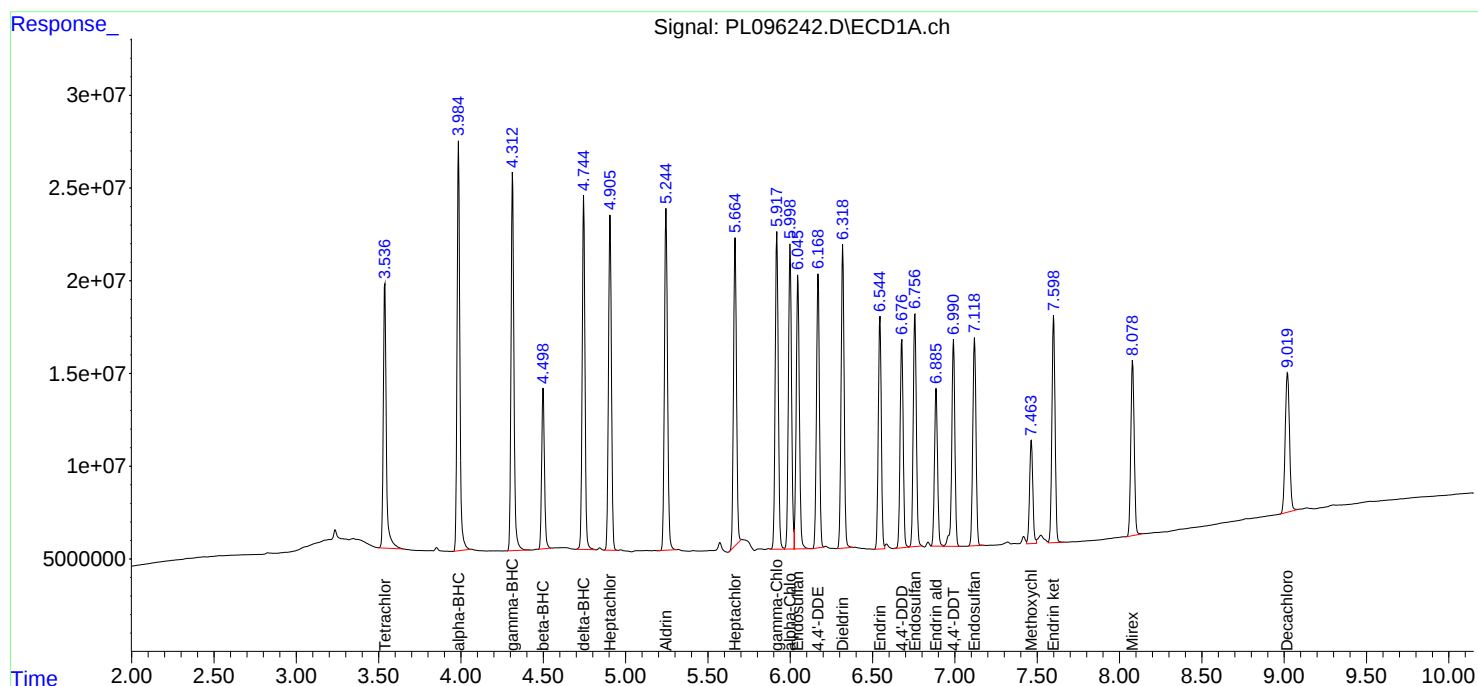
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

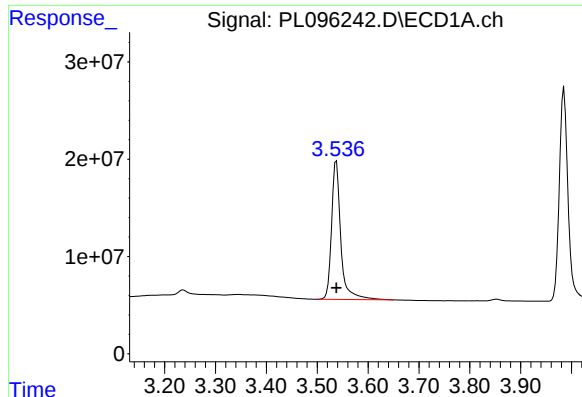
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

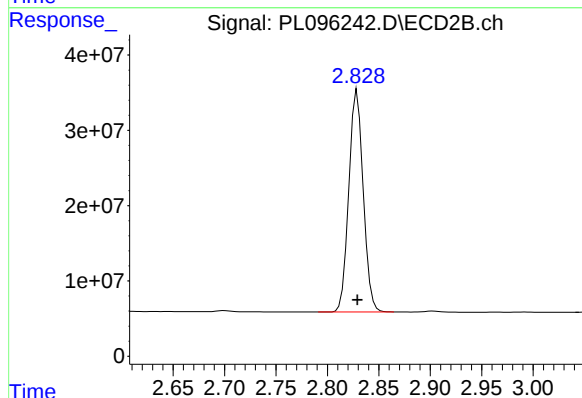




#1 Tetrachloro-m-xylene

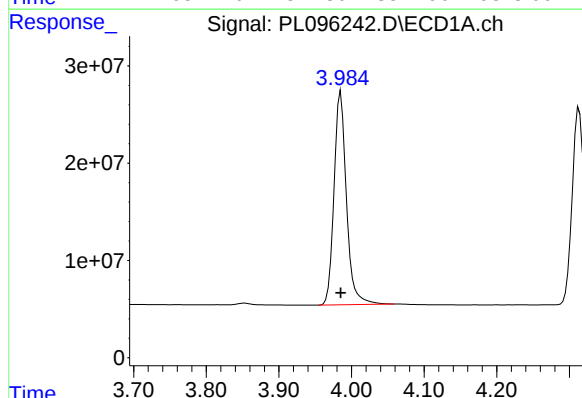
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 180340356
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



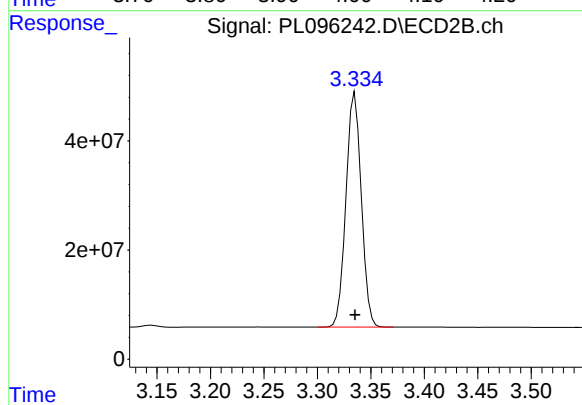
#1 Tetrachloro-m-xylene

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



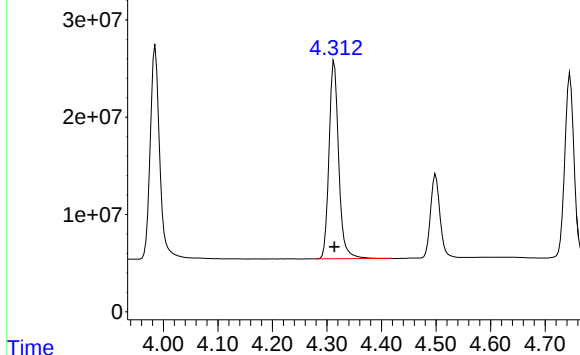
#2 alpha-BHC

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



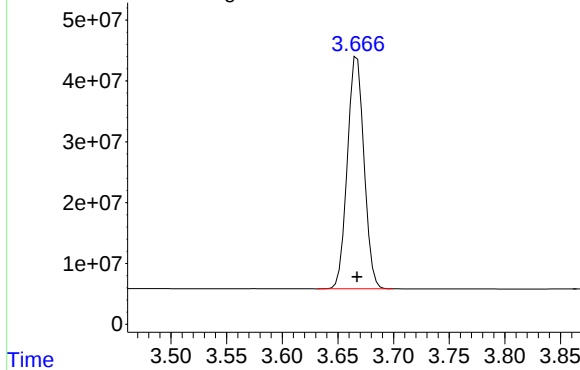
#2 alpha-BHC

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

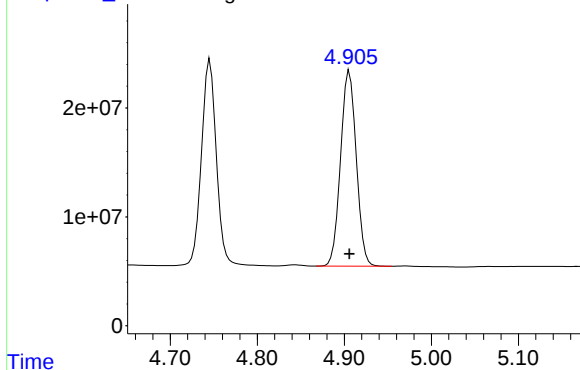


R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 250181430
Conc: 50.00 ng/ml

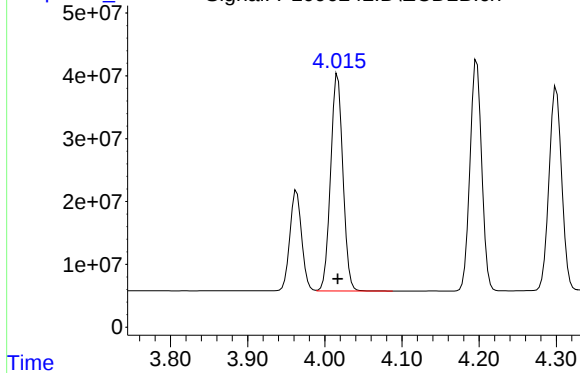
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



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



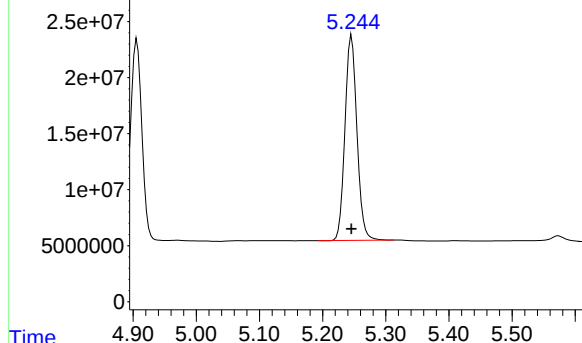
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 383301991
Conc: 50.00 ng/ml

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

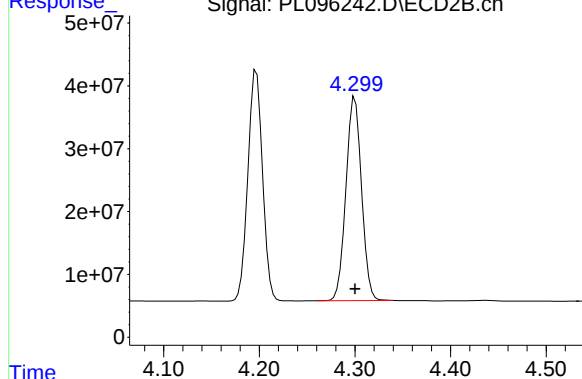
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



Response_ Signal: PL096242.D\ECD2B.ch

#5 Aldrin

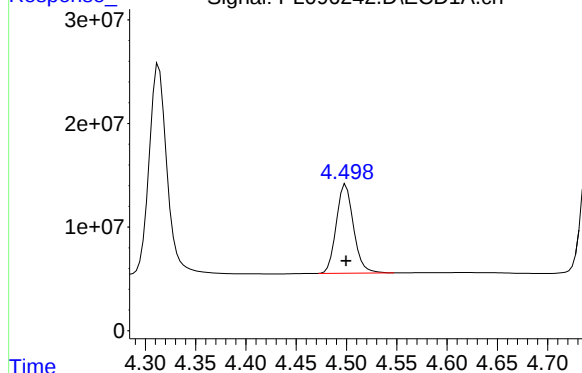
R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 367963556
Conc: 50.00 ng/ml



Response_ Signal: PL096242.D\ECD1A.ch

#6 beta-BHC

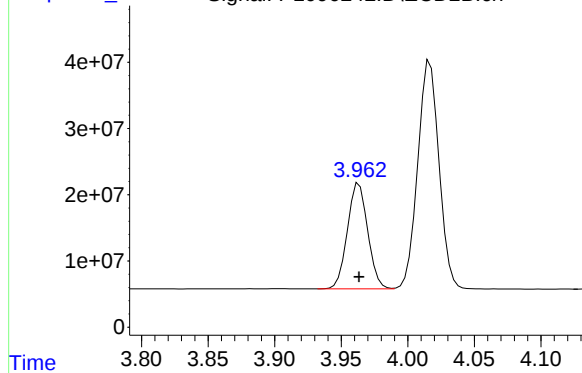
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 102124337
Conc: 50.00 ng/ml



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

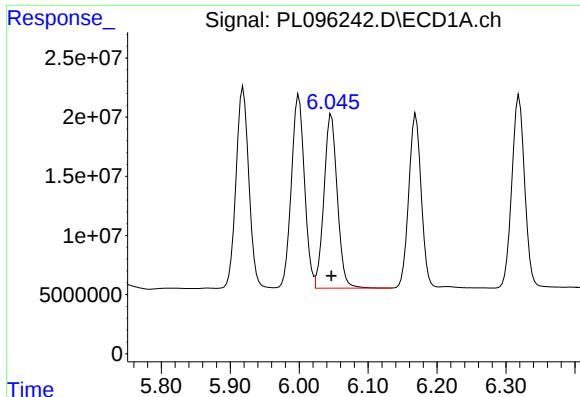
Time

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

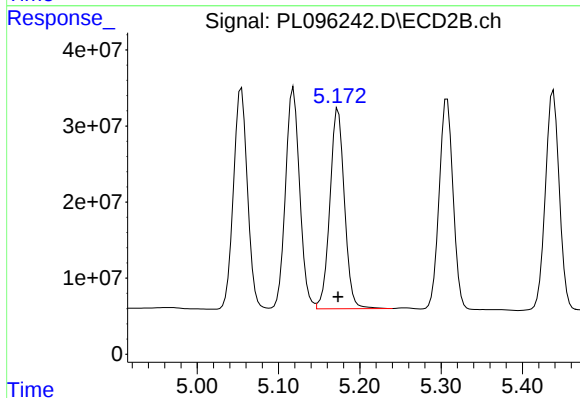
Time



#9 Endosulfan I

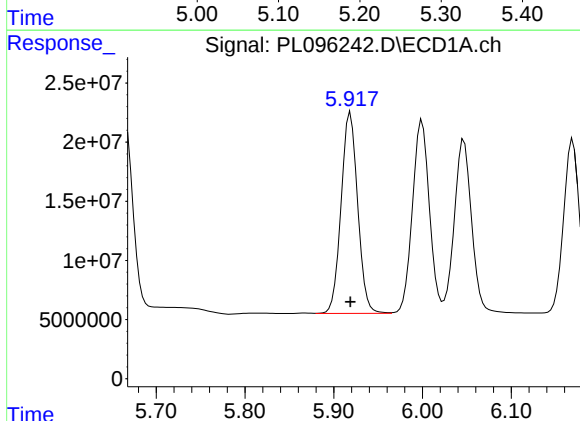
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 198646842
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



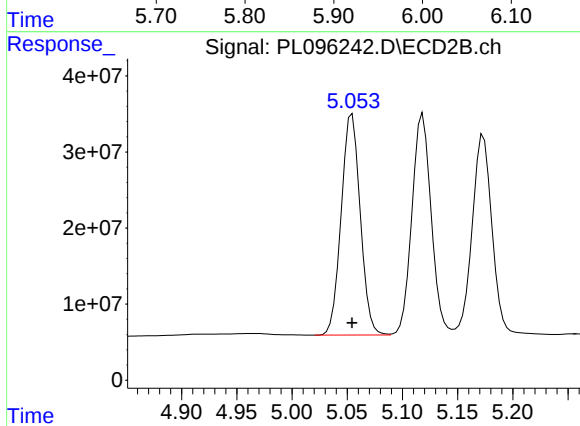
#9 Endosulfan I

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



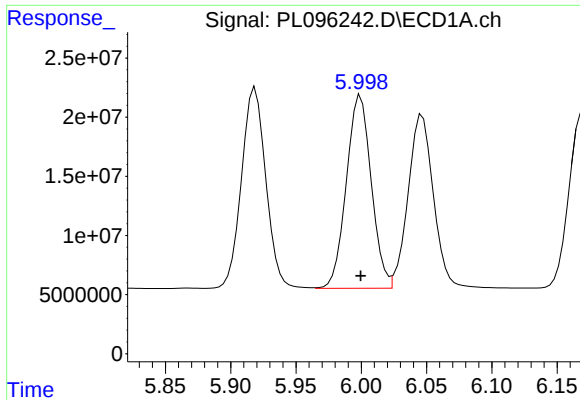
#10 gamma-Chlordane

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



#10 gamma-Chlordane

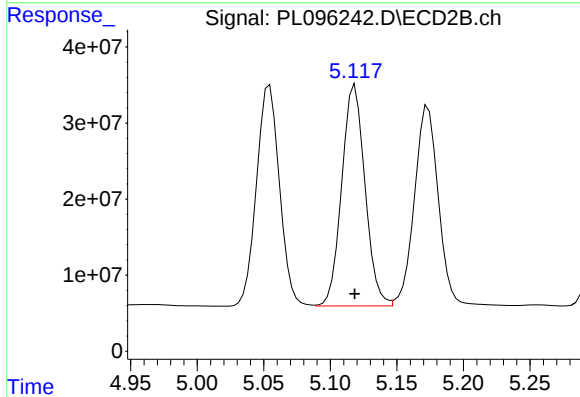
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 348940053
Conc: 50.00 ng/ml



#11 alpha-Chlordane

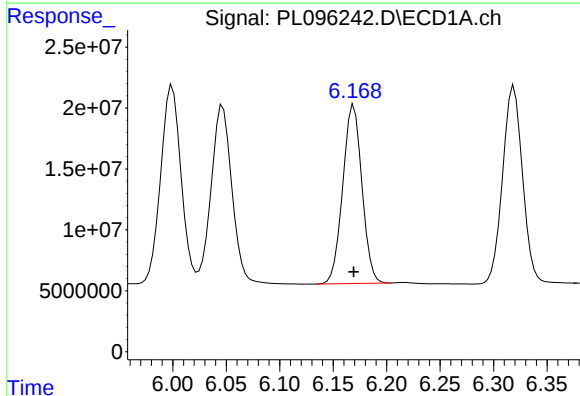
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 216813787
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



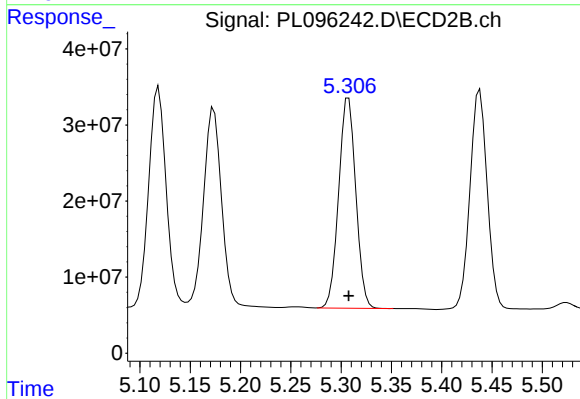
#11 alpha-Chlordane

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



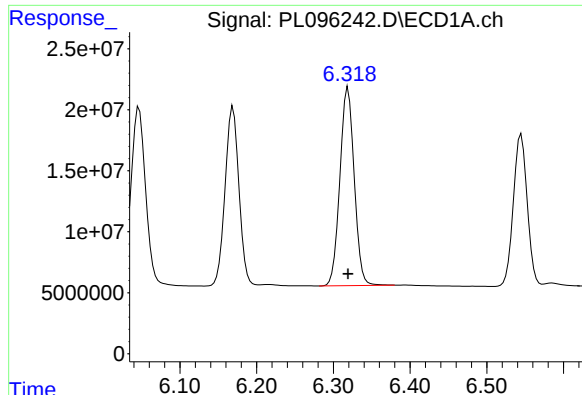
#12 4,4'-DDE

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



#12 4,4'-DDE

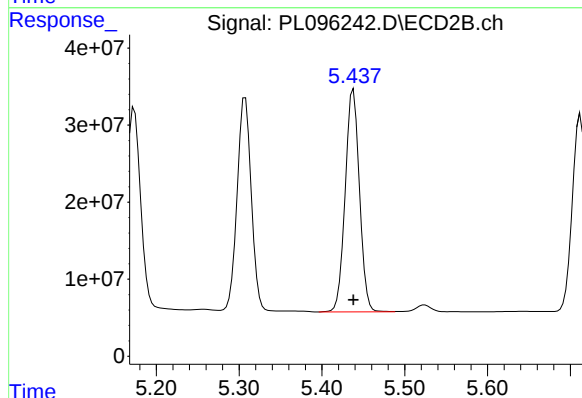
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 326837554
Conc: 50.00 ng/ml



#13 Dieldrin

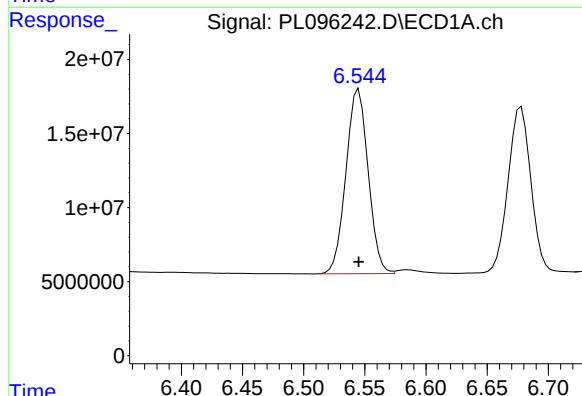
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 211016119
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



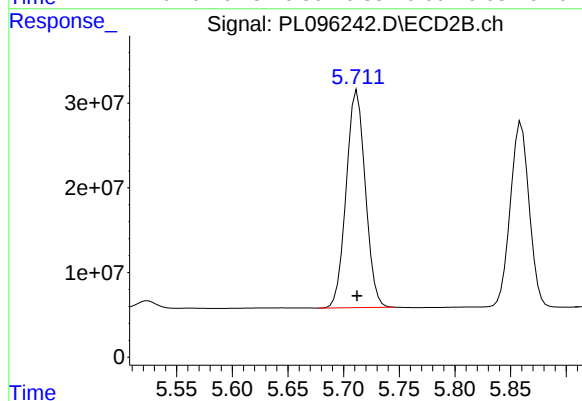
#13 Dieldrin

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



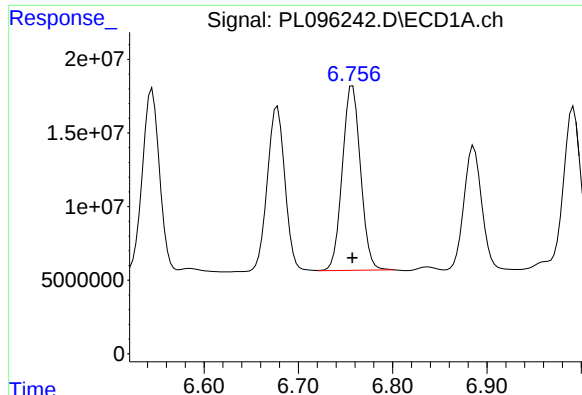
#14 Endrin

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



#14 Endrin

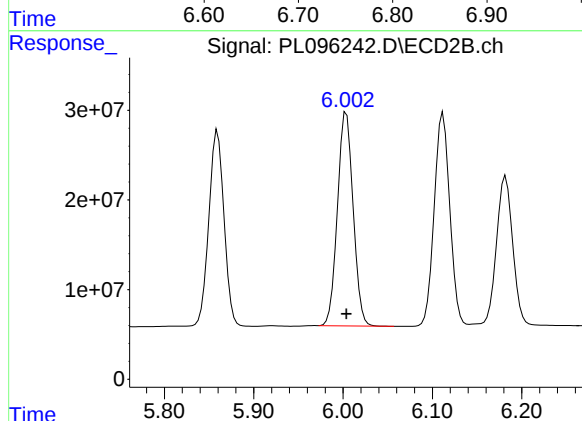
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 307294613
Conc: 50.00 ng/ml



#15 Endosulfan II

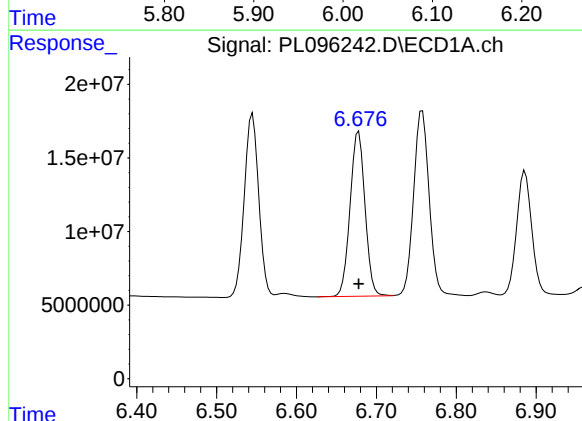
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 168435403
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



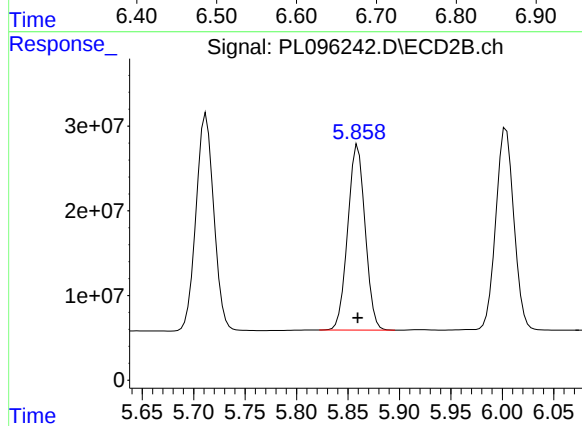
#15 Endosulfan II

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



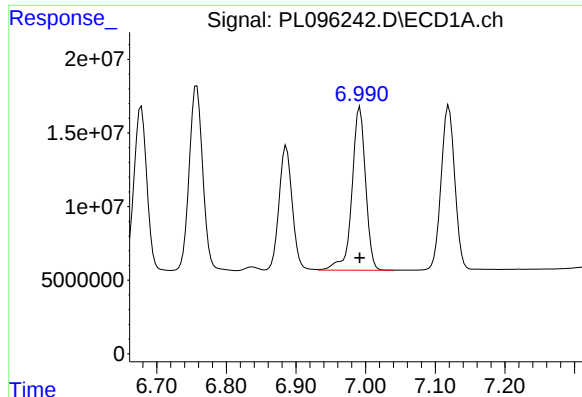
#16 4,4'-DDD

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



#16 4,4'-DDD

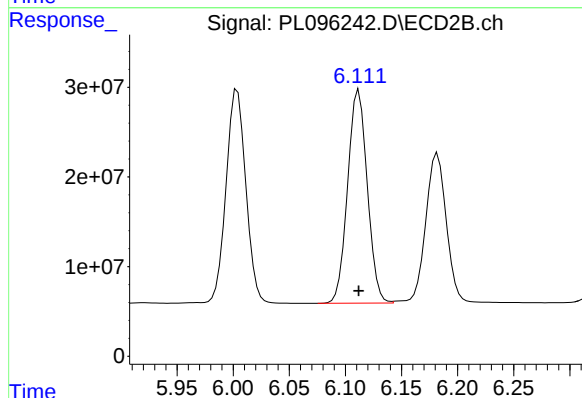
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 257773489
Conc: 50.00 ng/ml



#17 4,4'-DDT

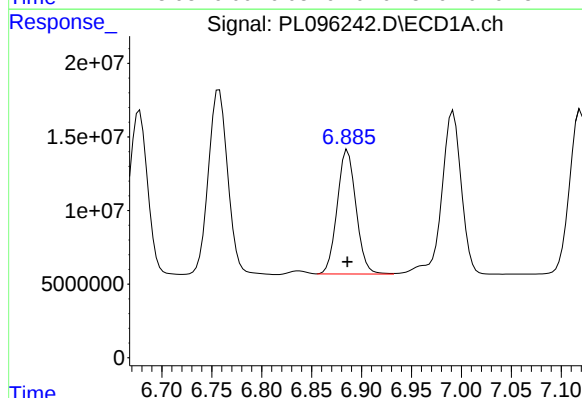
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 150692866
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



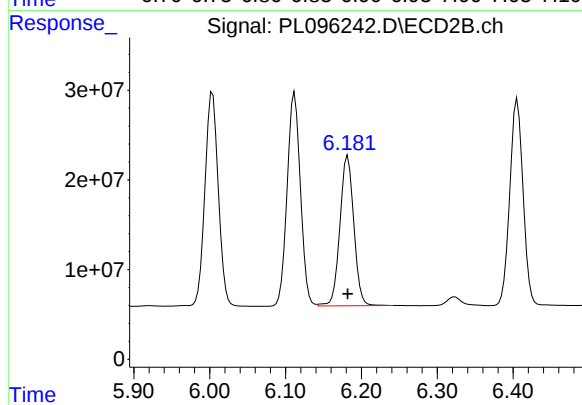
#17 4,4'-DDT

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



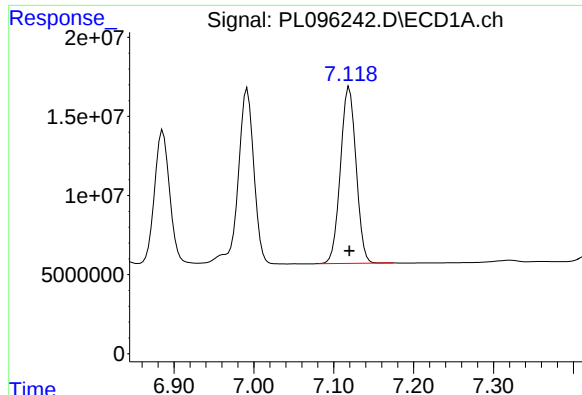
#18 Endrin aldehyde

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



#18 Endrin aldehyde

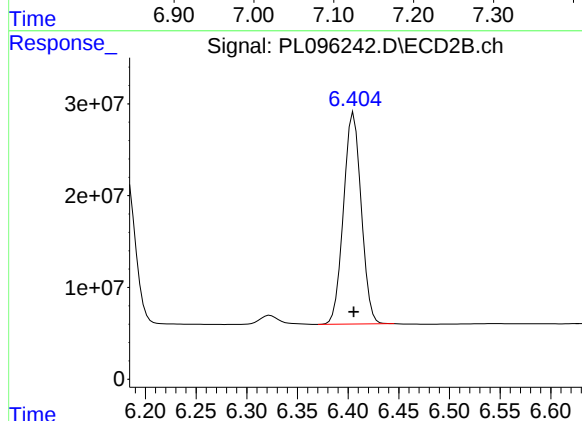
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 213381691
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

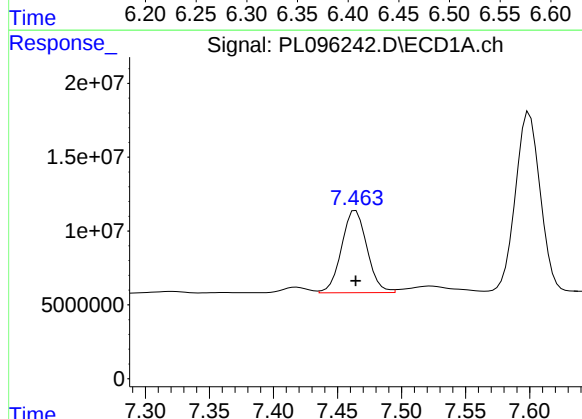
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 151554718
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



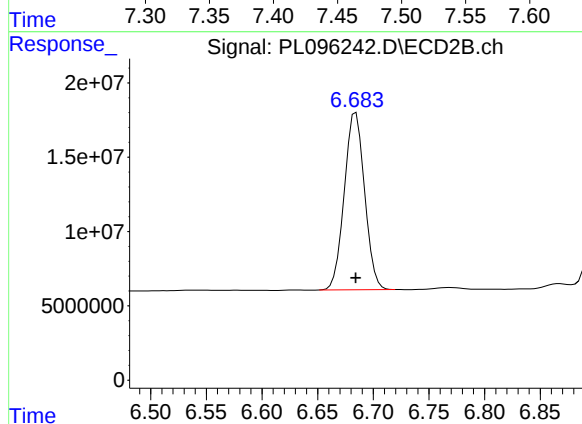
#19 Endosulfan Sulfate

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



#20 Methoxychlor

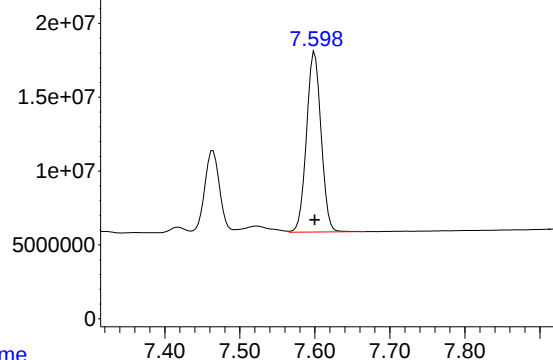
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 76763109
Conc: 50.00 ng/ml



#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

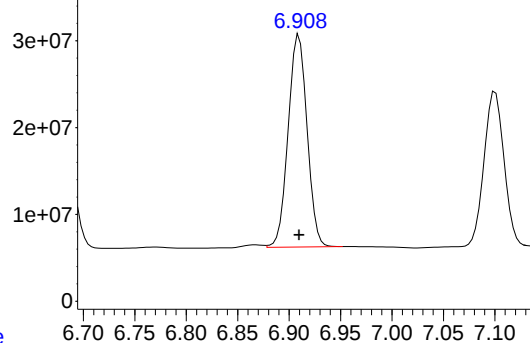


#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

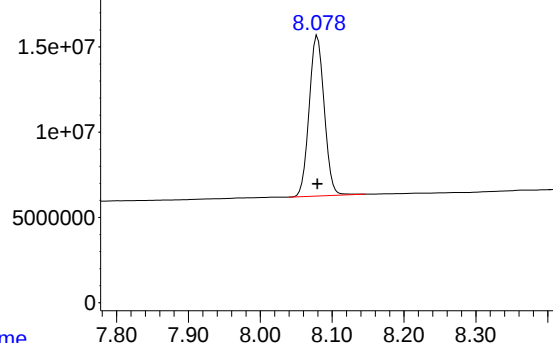
Time Response_ Signal: PL096242.D\ECD2B.ch



#21 Endrin ketone

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

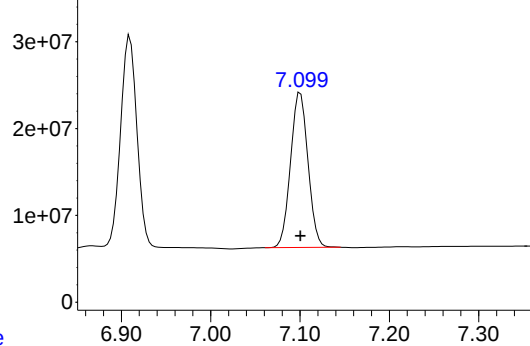
Time Response_ Signal: PL096242.D\ECD1A.ch



#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

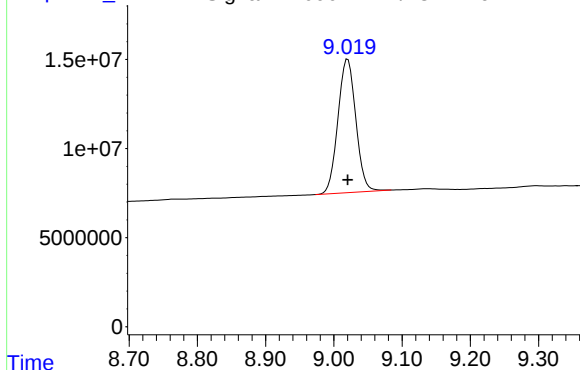
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 241930143
Conc: 50.00 ng/ml

Response_

Signal: PL096242.D\ECD1A.ch

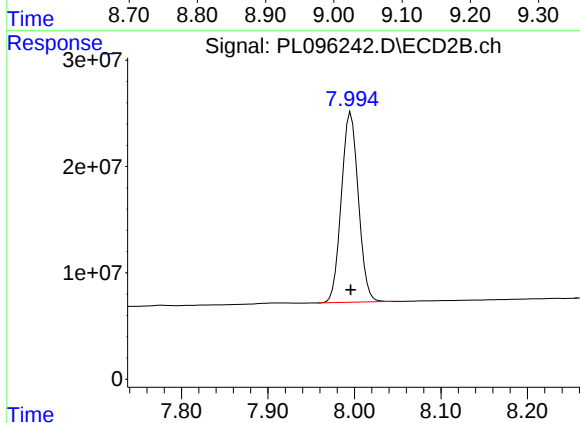
#28 Decachlorobiphenyl

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



#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

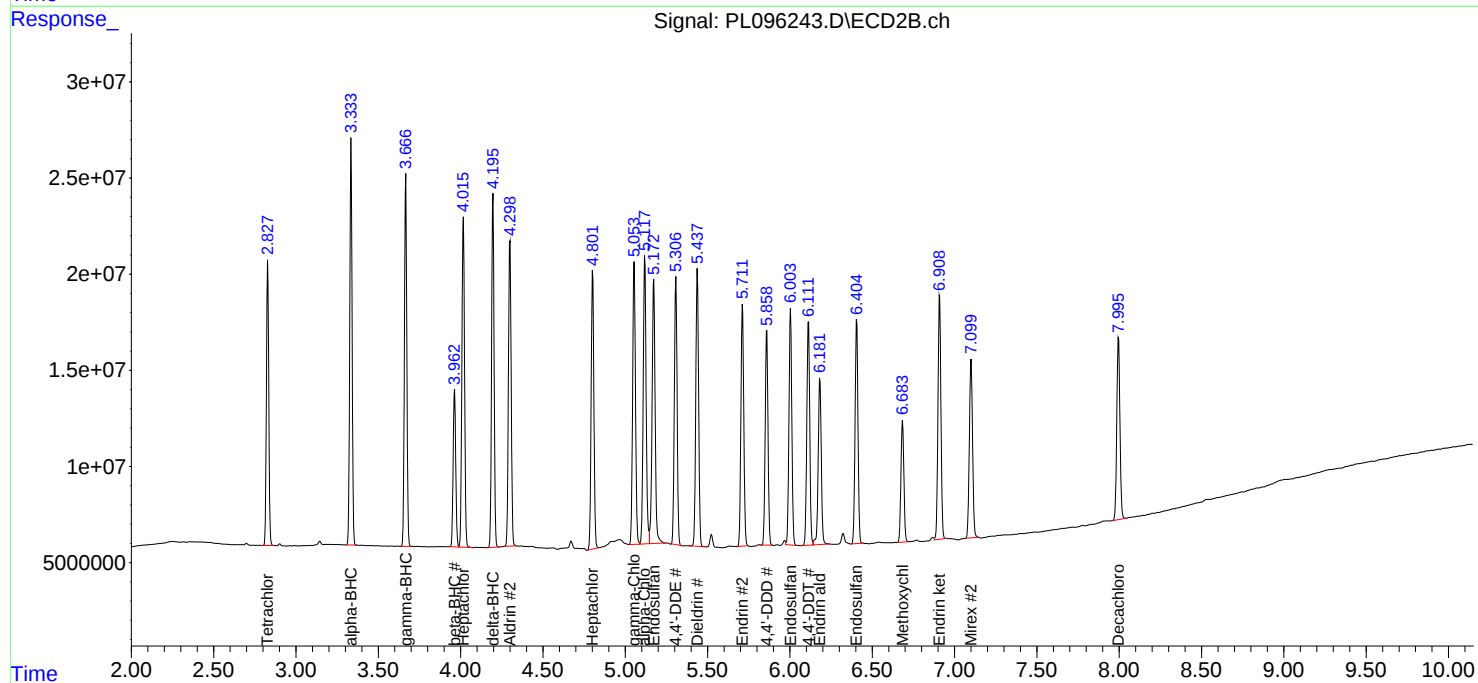
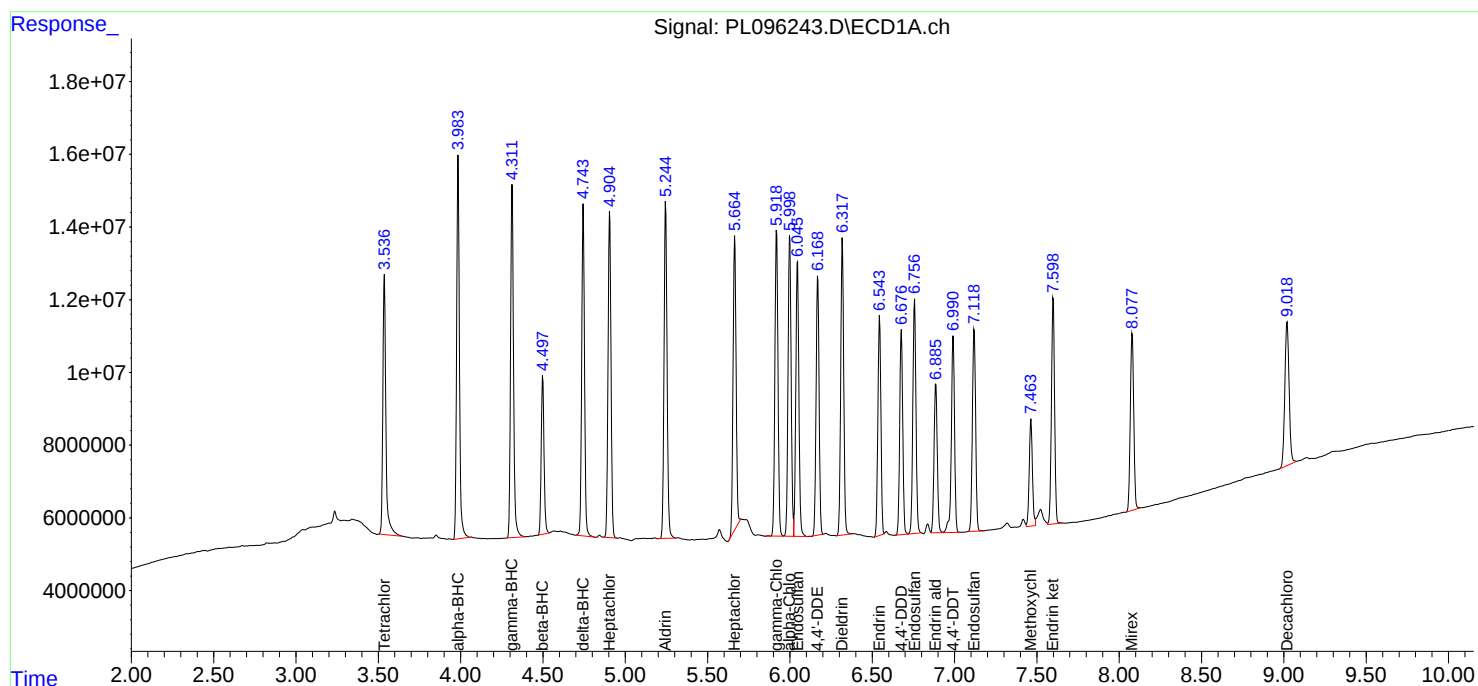
APPROVED

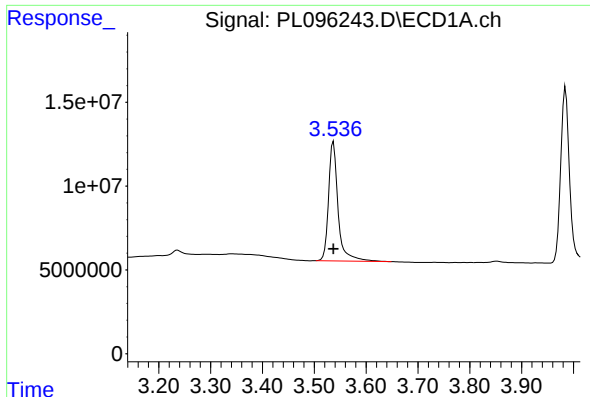
Reviewed By :Abdul Mirza 07/08/2025

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

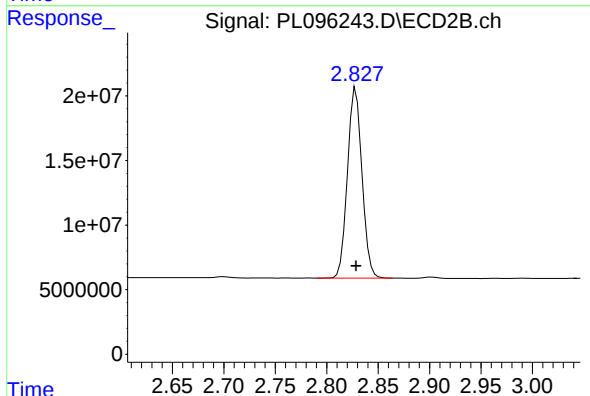
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 91131135
Conc: 25.24 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

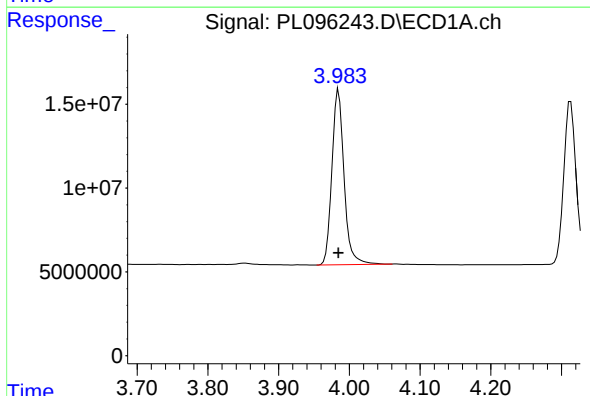
Manual Integrations
APPROVED

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



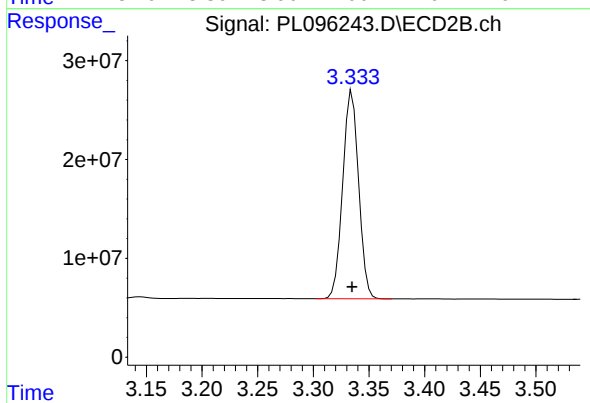
#1 Tetrachloro-m-xylene

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



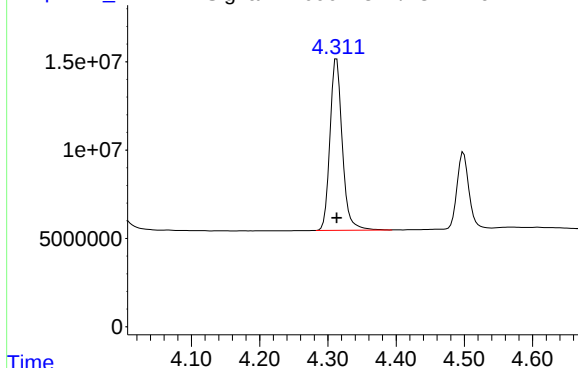
#2 alpha-BHC

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

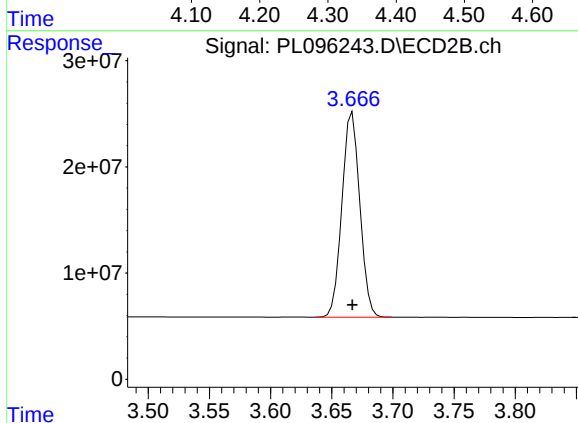


R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 121811219
Conc: 24.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

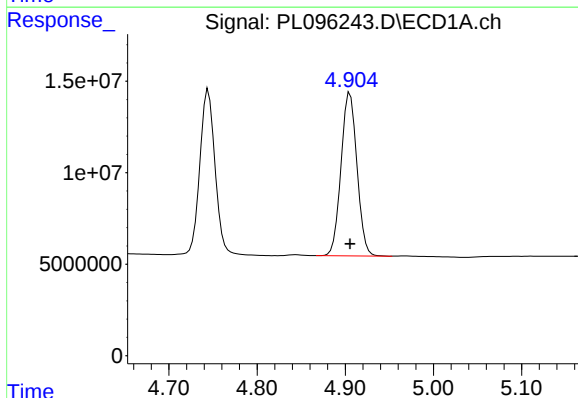
Manual Integrations
APPROVED

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



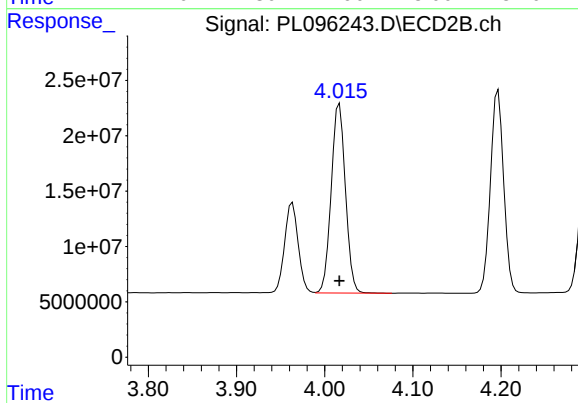
#3 gamma-BHC (Lindane)

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



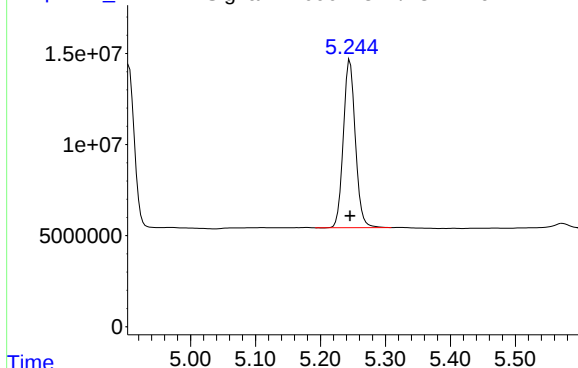
#4 Heptachlor

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

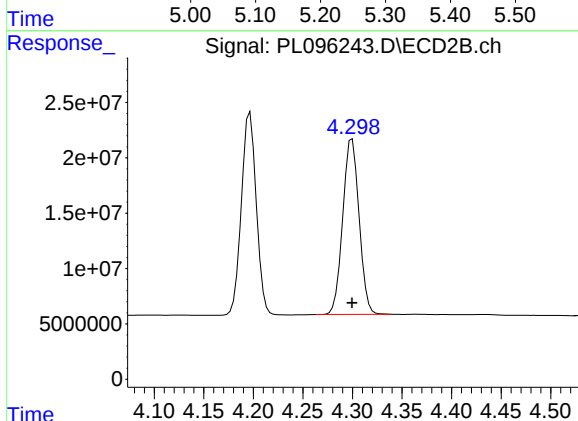


R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 118683013
Conc: 24.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

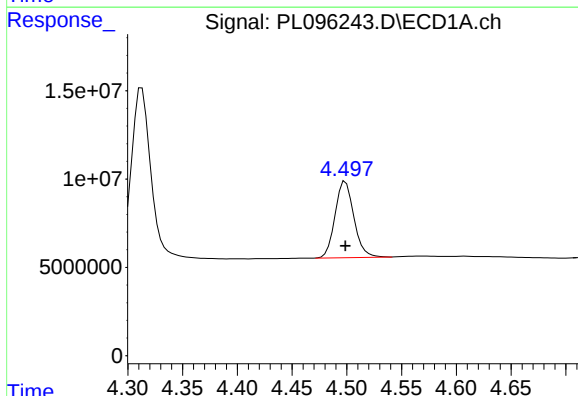
Manual Integrations
APPROVED

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



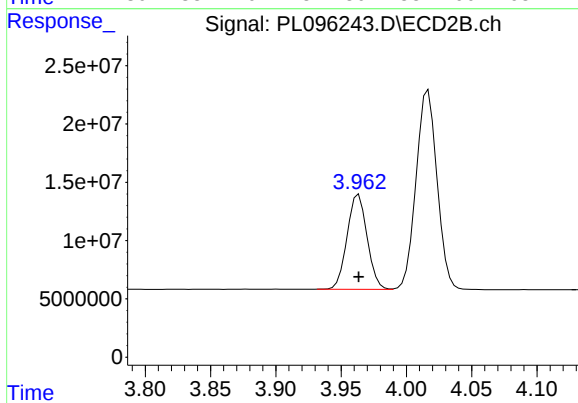
#5 Aldrin

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



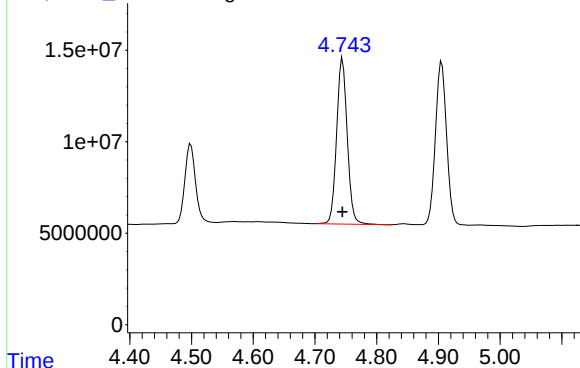
#6 beta-BHC

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



#6 beta-BHC

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

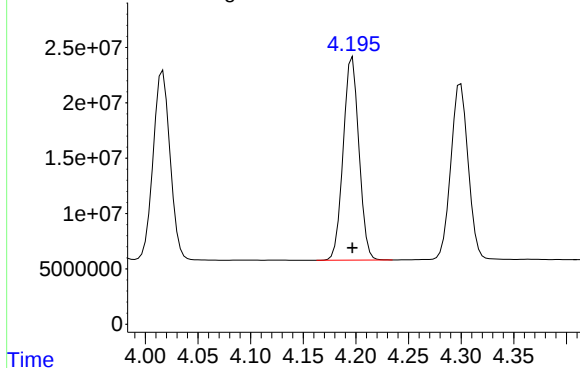


R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 108668725
Conc: 23.91 ng/ml

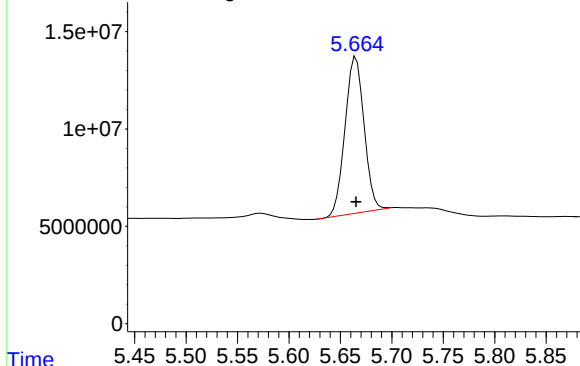
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

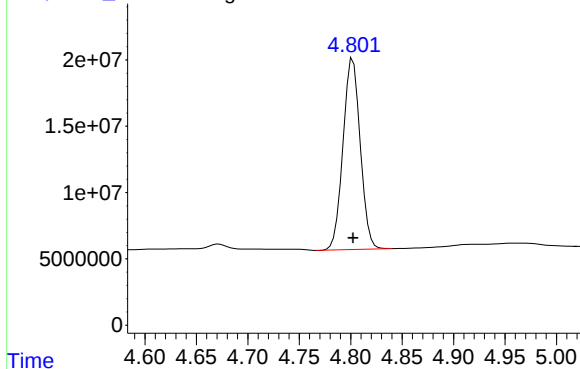
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



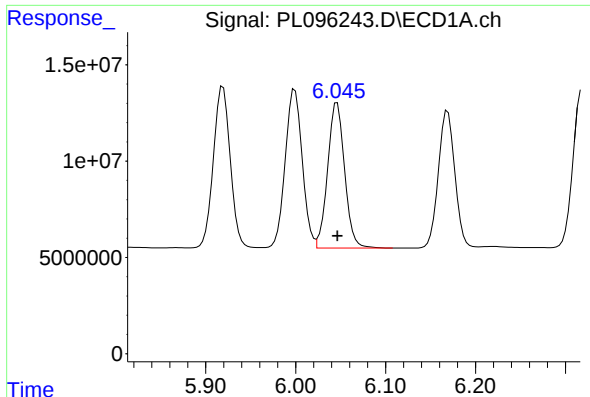
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 191489716
Conc: 24.61 ng/ml



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



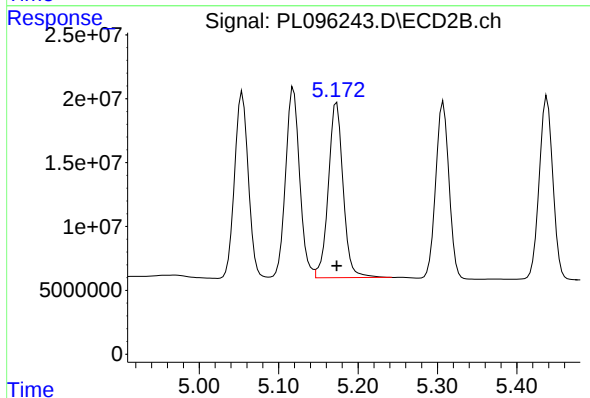
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

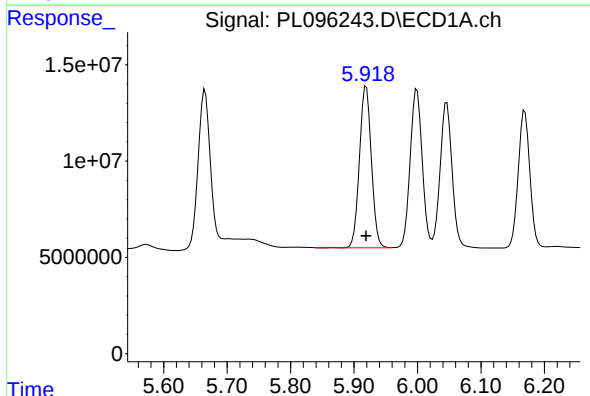
Manual Integrations
APPROVED

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



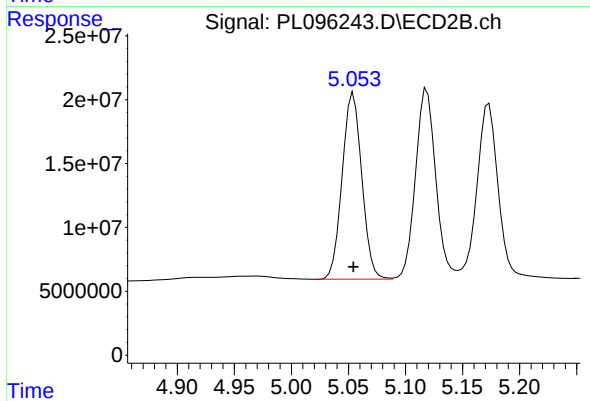
#9 Endosulfan I

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



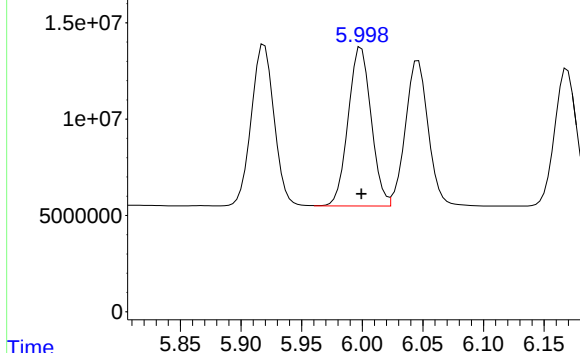
#10 gamma-Chlordane

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

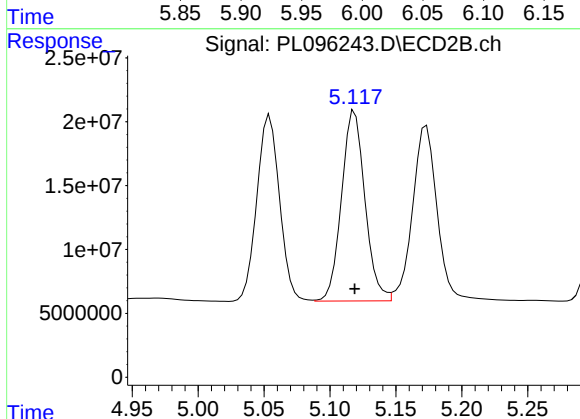


R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 108663198
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

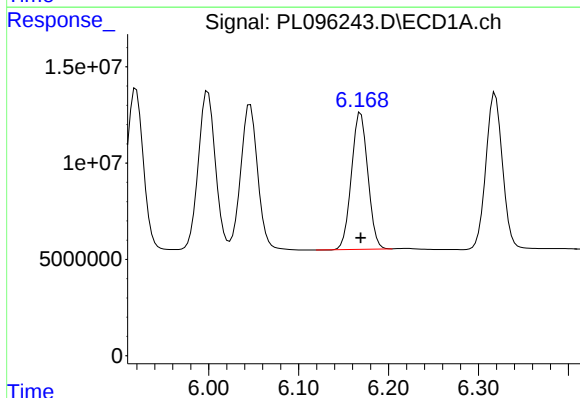
Manual Integrations
APPROVED

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



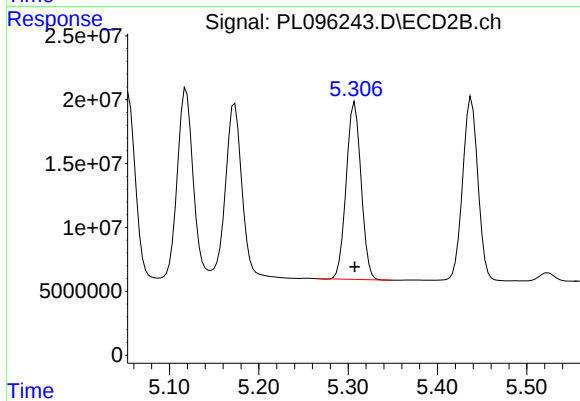
#11 alpha-Chlordane

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



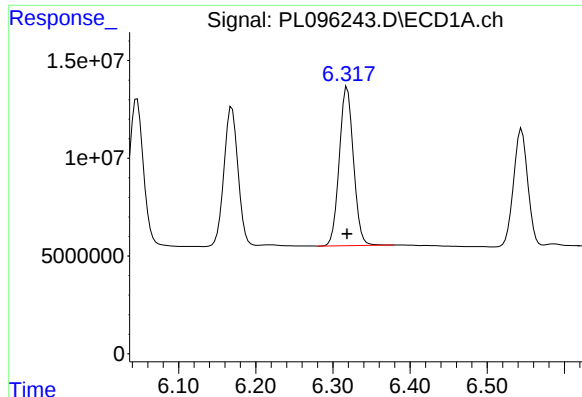
#12 4,4'-DDE

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



#12 4,4'-DDE

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



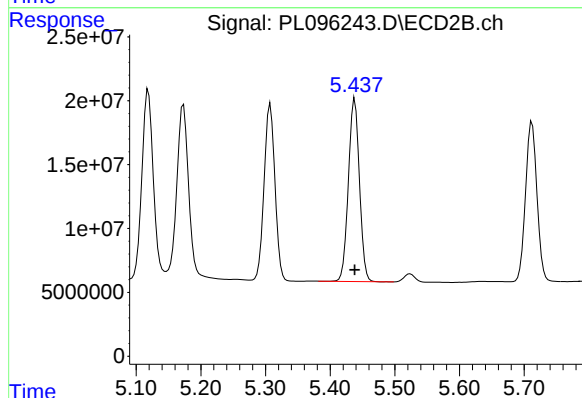
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

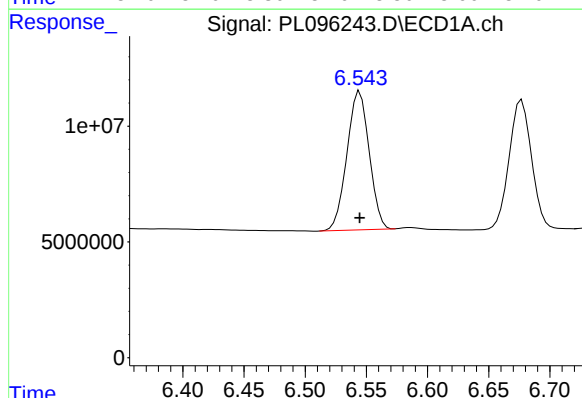
Manual Integrations
APPROVED

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



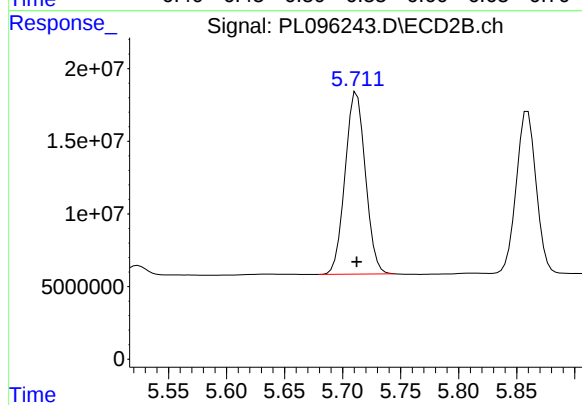
#13 Dieldrin

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



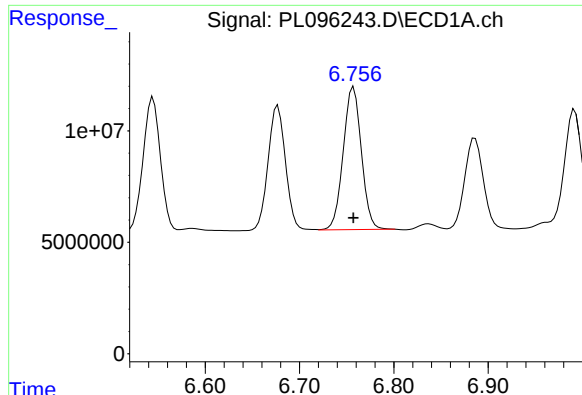
#14 Endrin

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



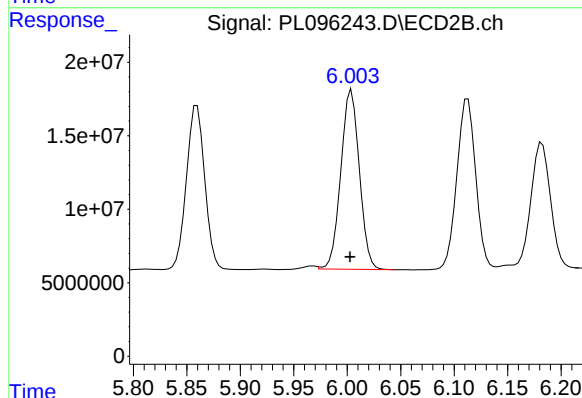
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

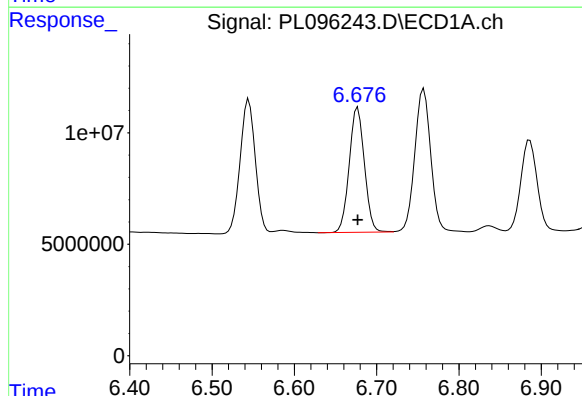
Manual Integrations
APPROVED

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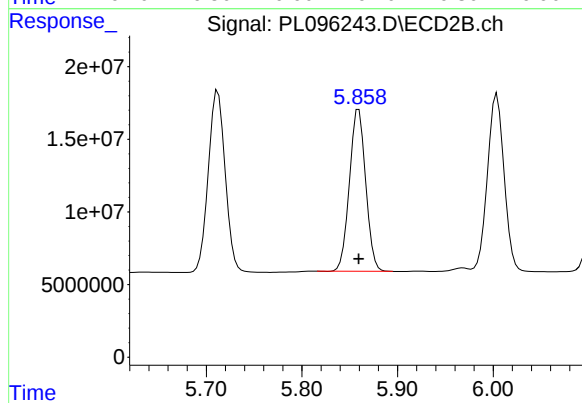
#15 Endosulfan II

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



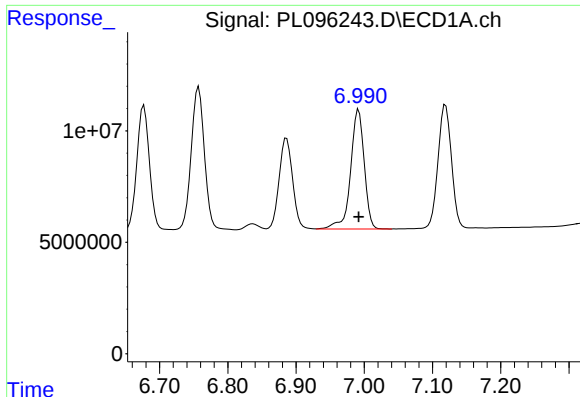
#16 4,4'-DDD

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



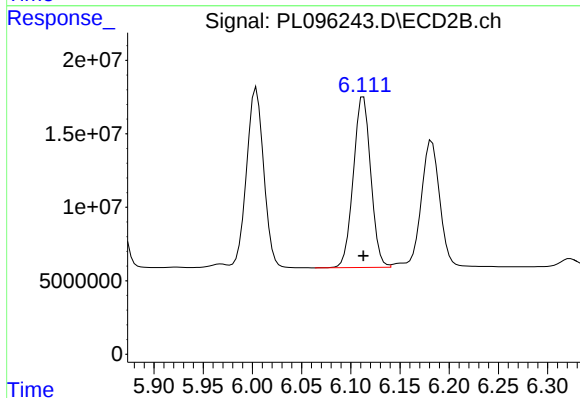
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

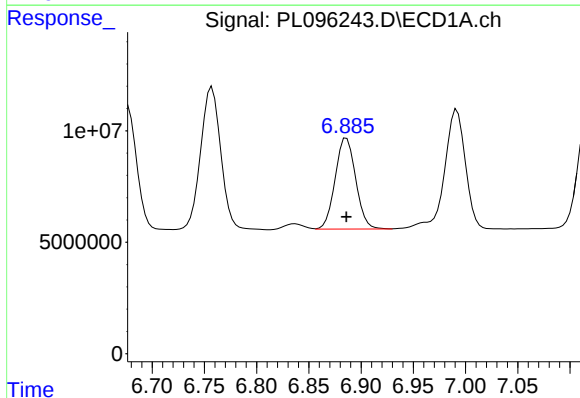
Manual Integrations
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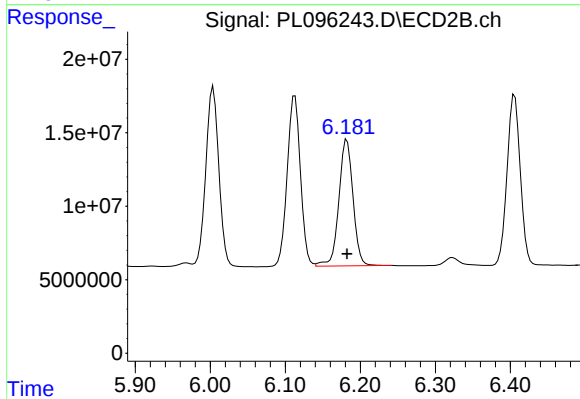
#17 4,4'-DDT

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



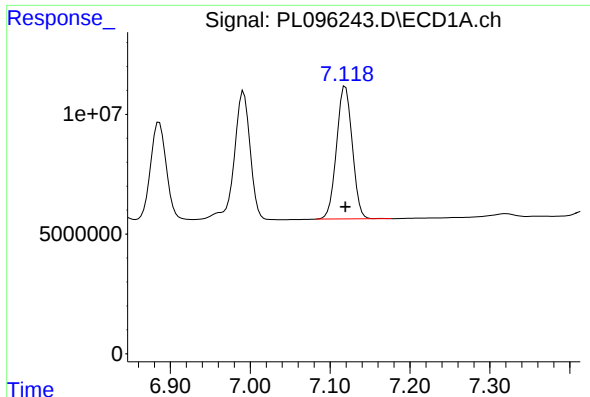
#18 Endrin aldehyde

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

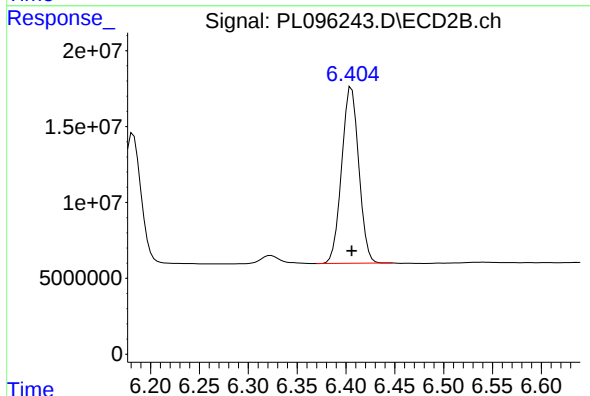
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 75807591
Conc: 24.84 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

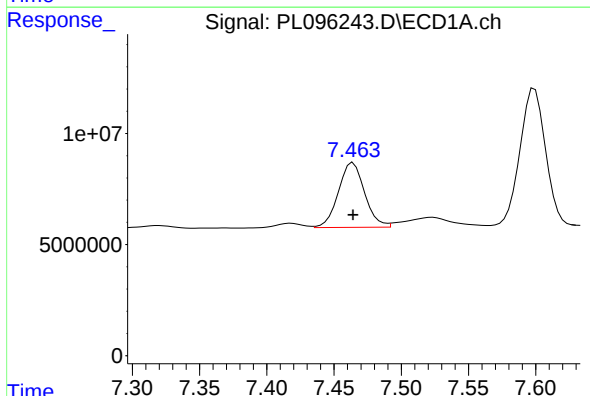
Manual Integrations
APPROVED

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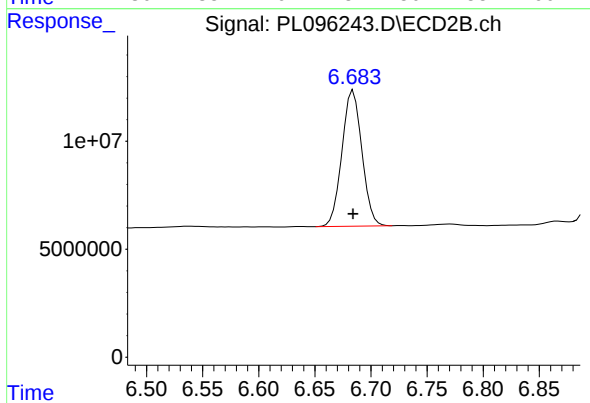
#19 Endosulfan Sulfate

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



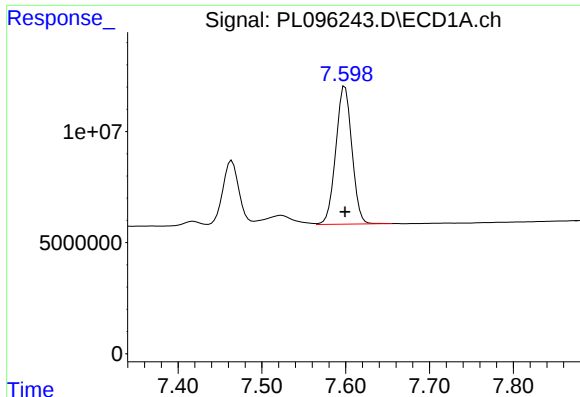
#20 Methoxychlor

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



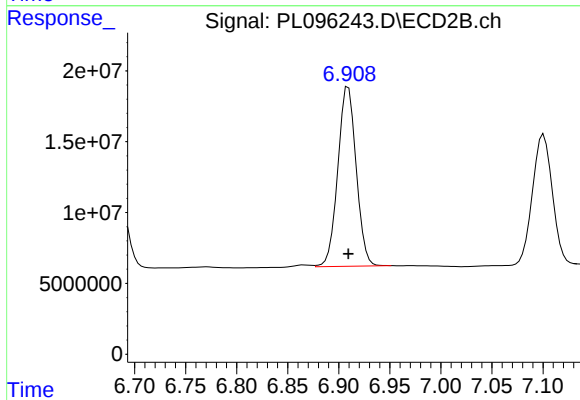
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

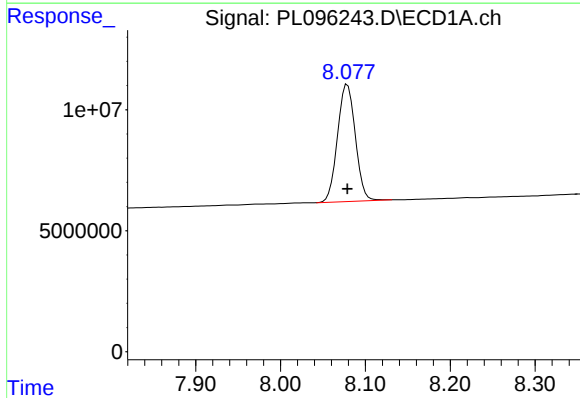
Manual Integrations
APPROVED

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



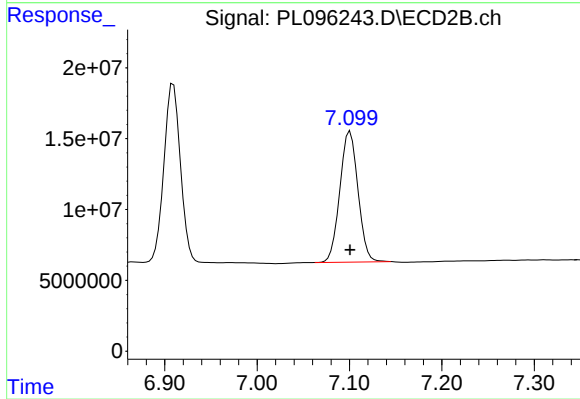
#21 Endrin ketone

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



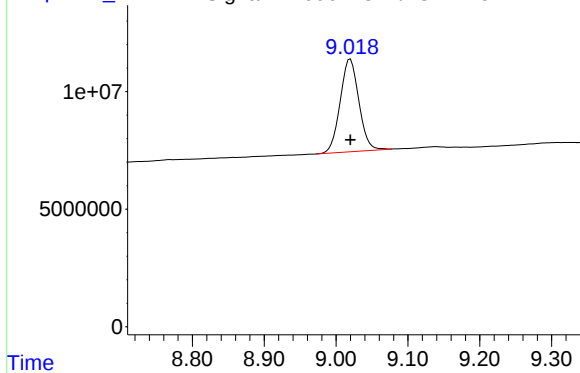
#22 Mirex

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
APPROVED

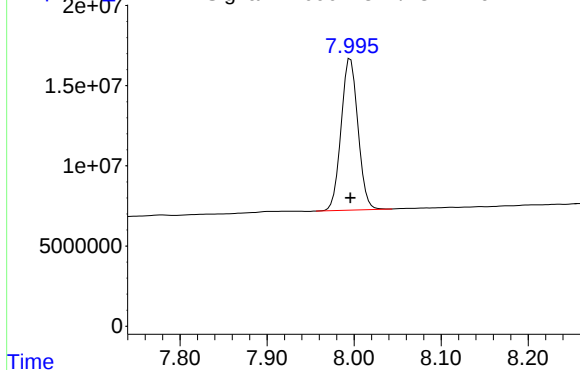
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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
 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

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

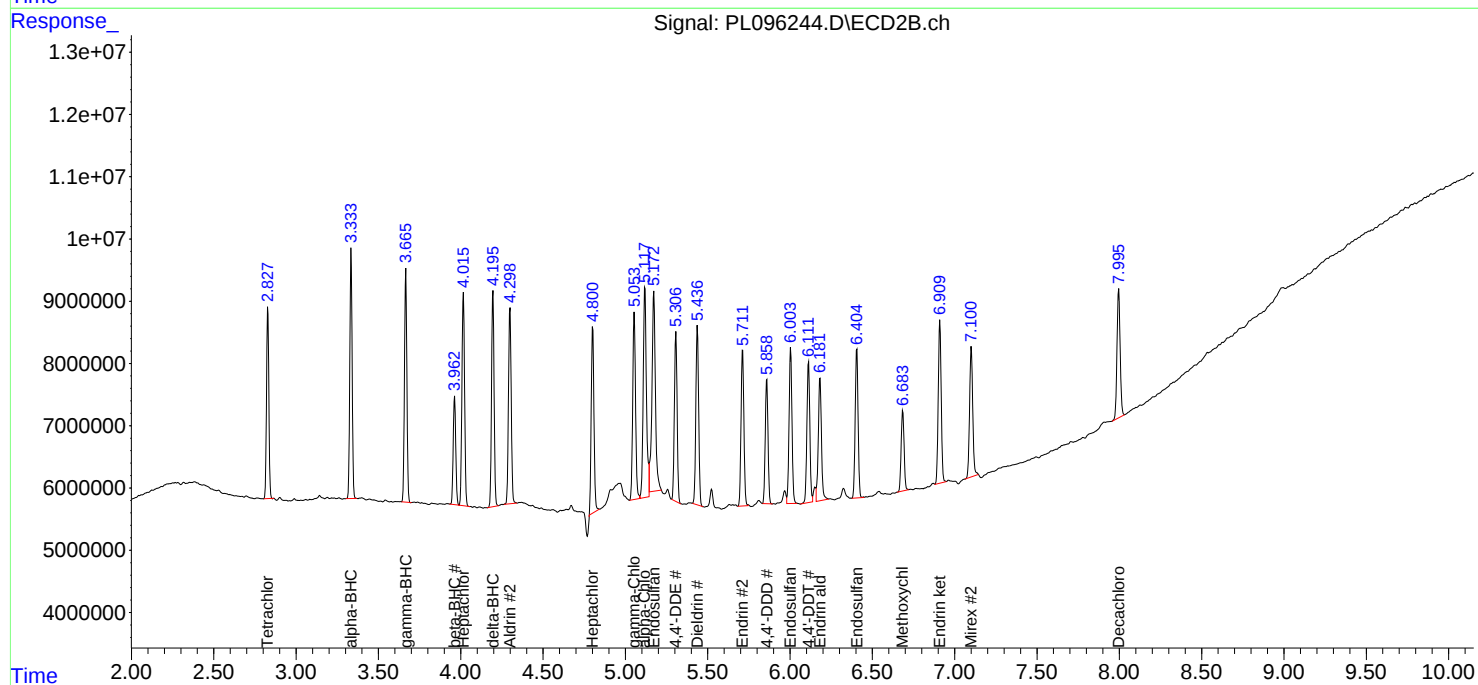
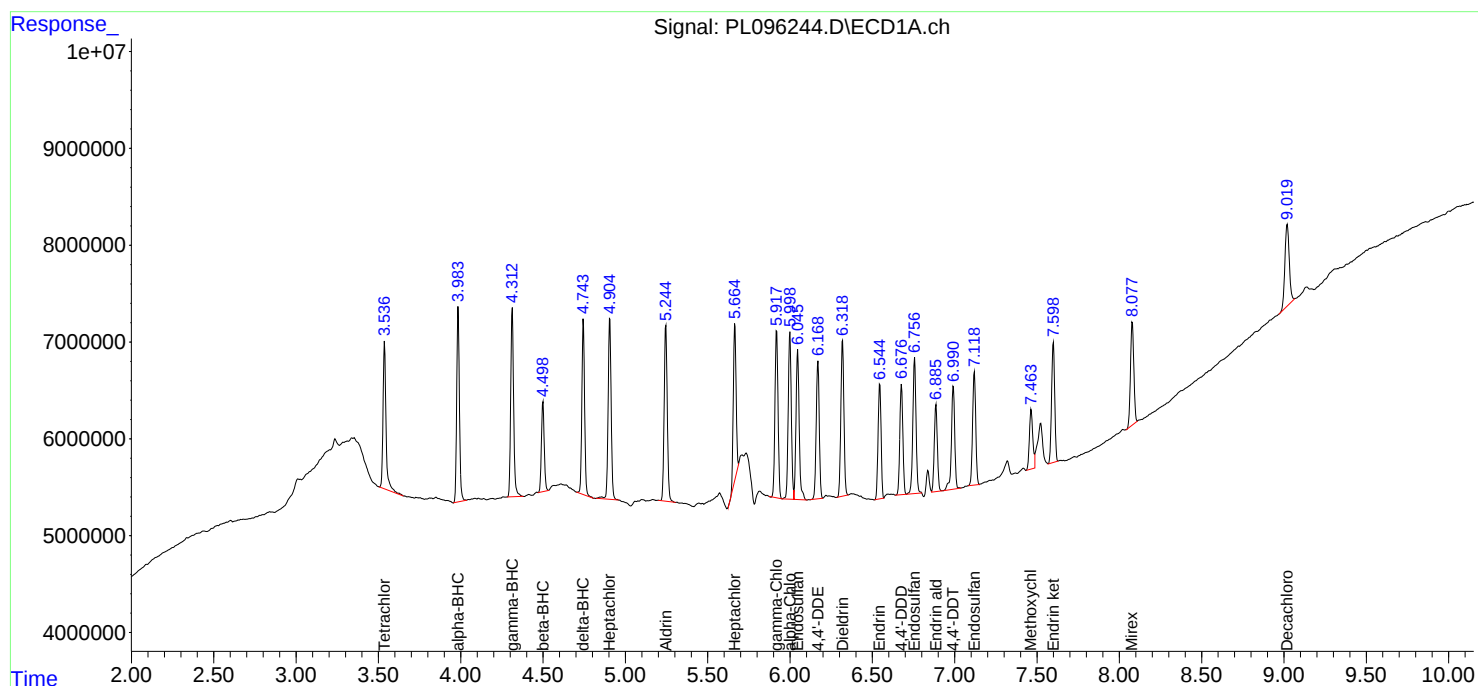
APPROVED

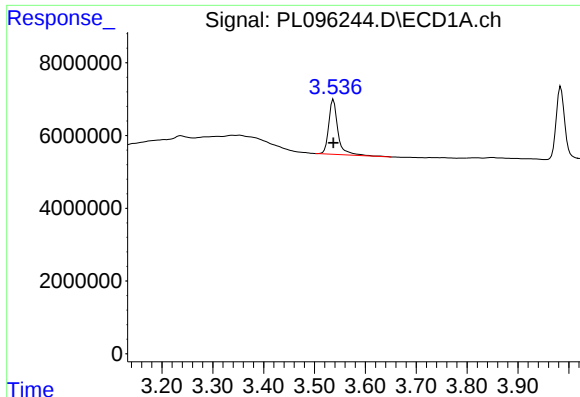
Reviewed By :Abdul Mirza 07/08/2025

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

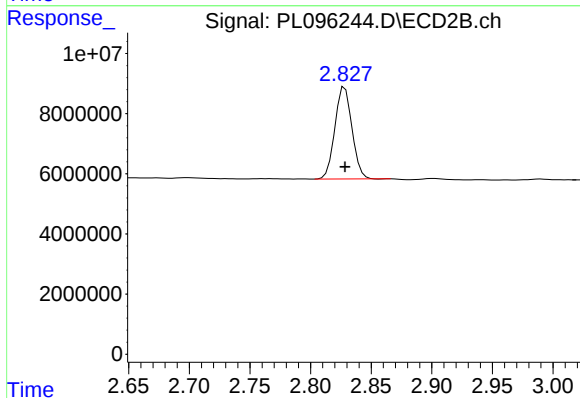
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 19025537
Conc: 5.21 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

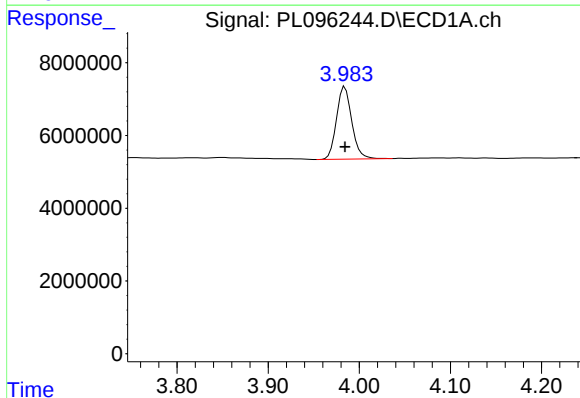
Manual Integrations
APPROVED

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



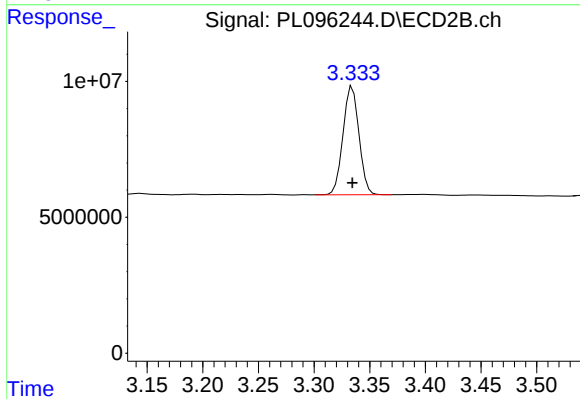
#1 Tetrachloro-m-xylene

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



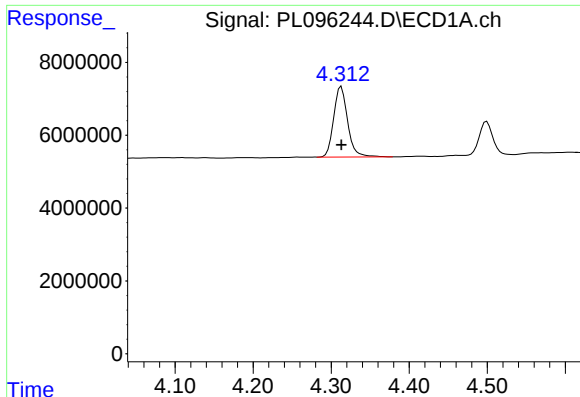
#2 alpha-BHC

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)

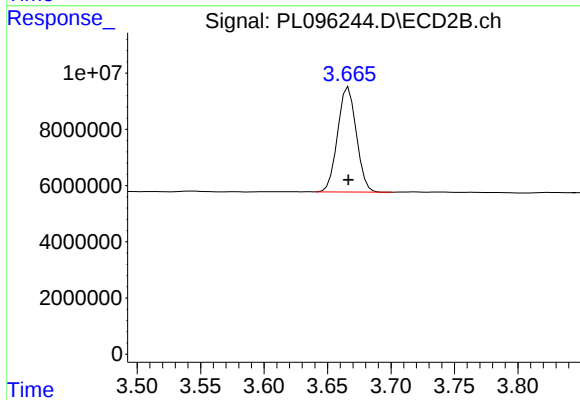
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 24037524
Conc: 4.83 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

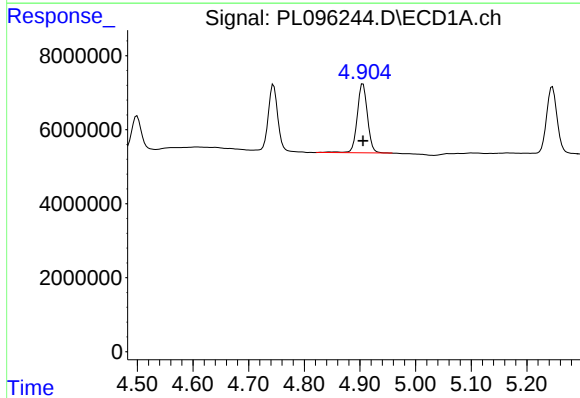
Manual Integrations
APPROVED

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



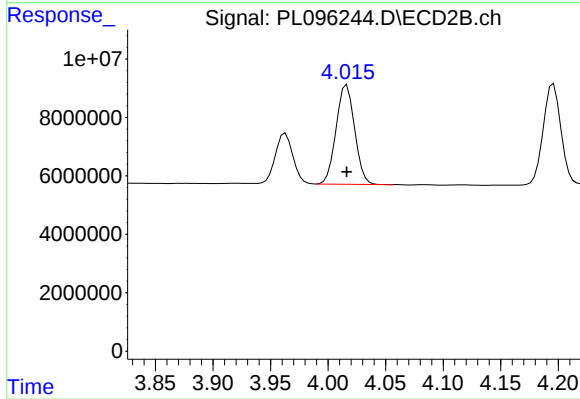
#3 gamma-BHC (Lindane)

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



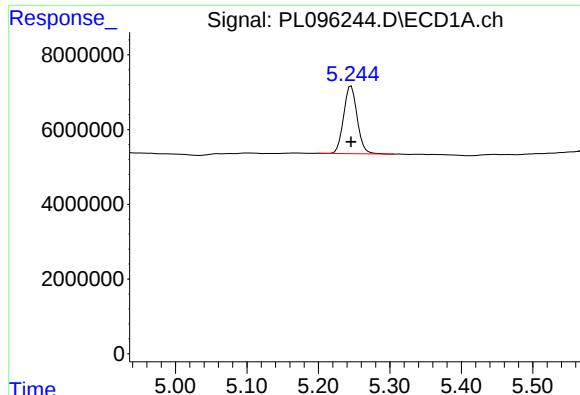
#4 Heptachlor

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



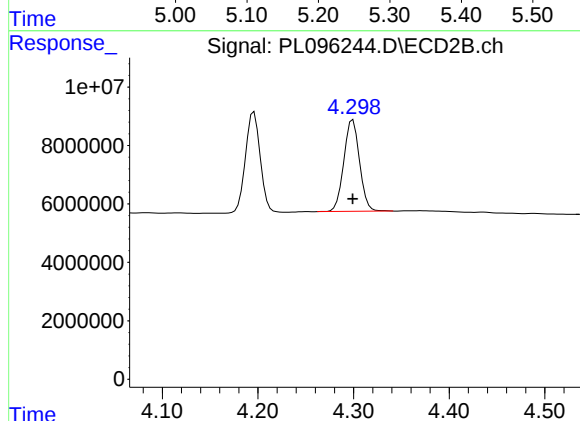
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

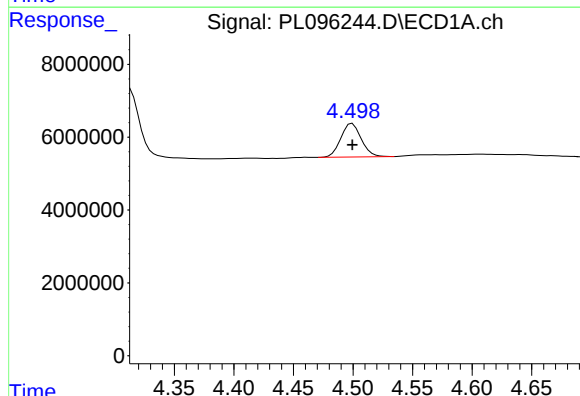
Manual Integrations
APPROVED

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



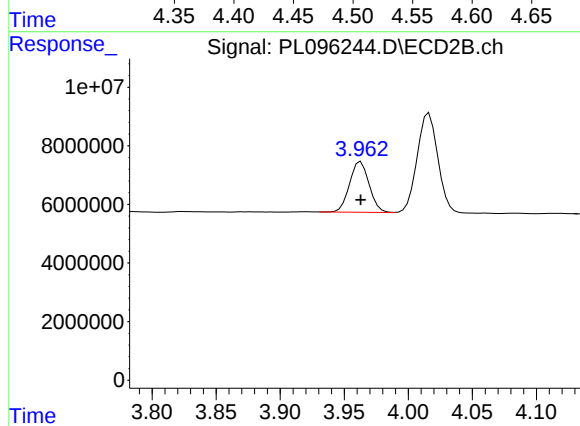
#5 Aldrin

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



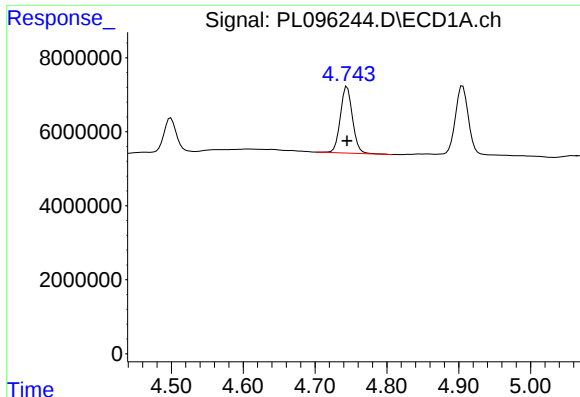
#6 beta-BHC

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



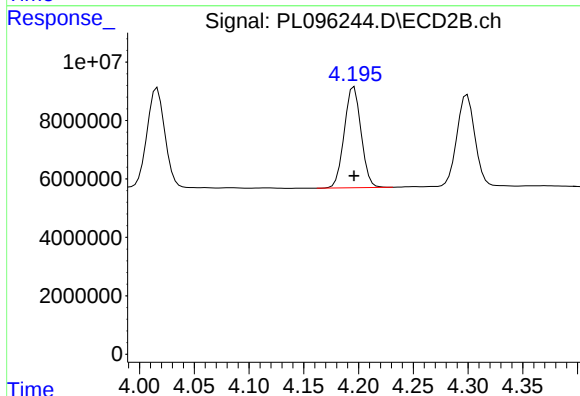
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

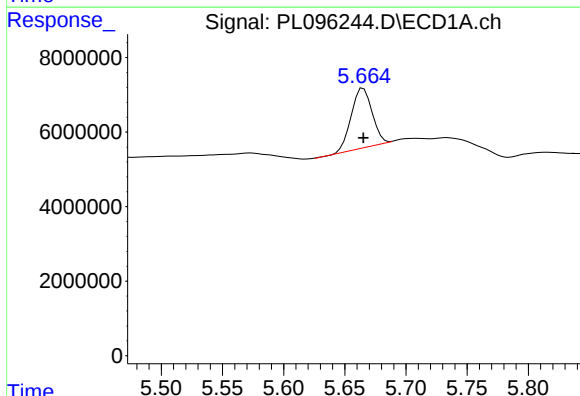
Manual Integrations
APPROVED

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



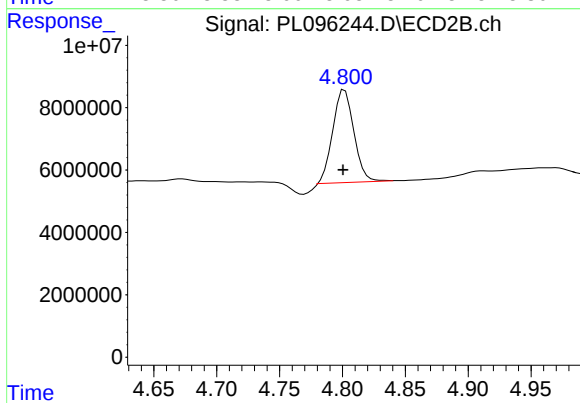
#7 delta-BHC

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



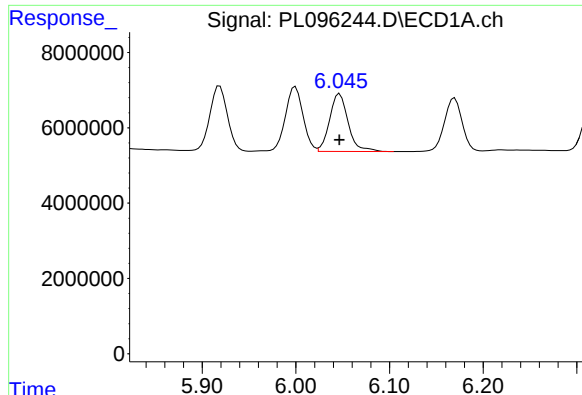
#8 Heptachlor epoxide

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



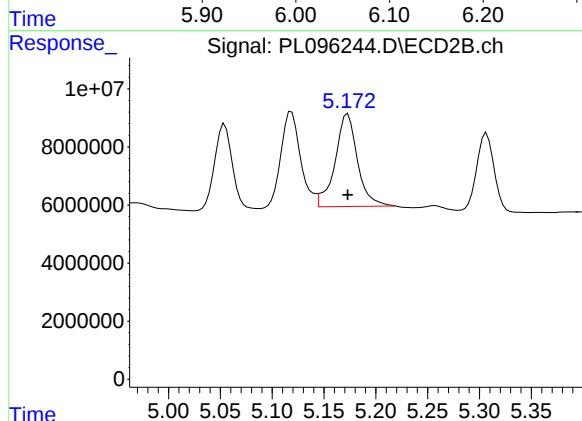
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

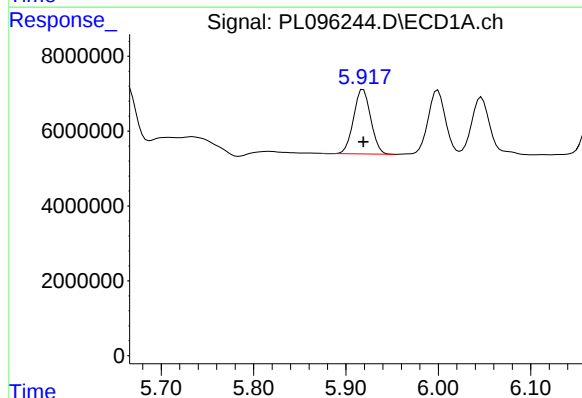
Manual Integrations
APPROVED

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



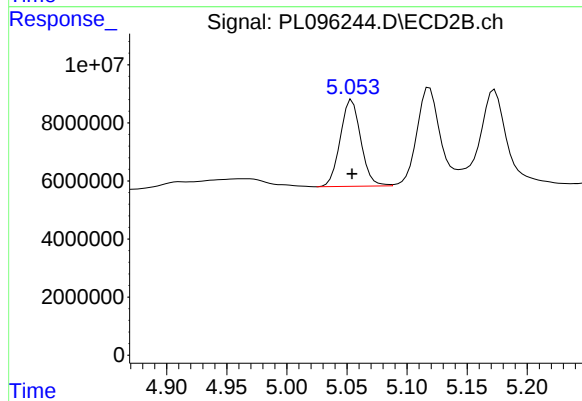
#9 Endosulfan I

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



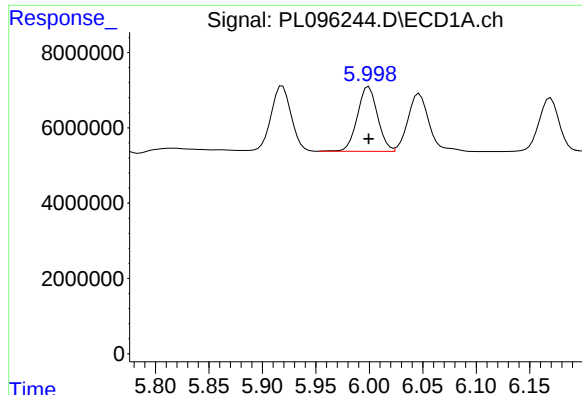
#10 gamma-Chlordane

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



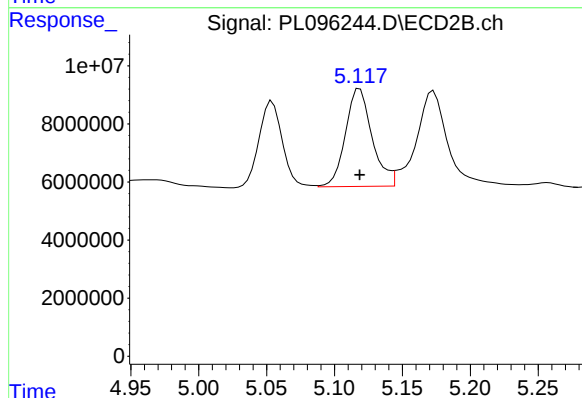
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

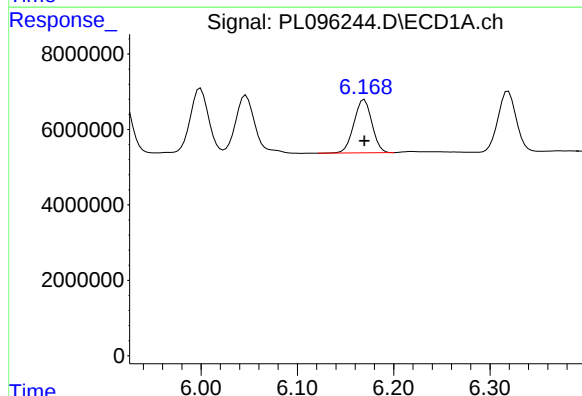
Manual Integrations
APPROVED

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



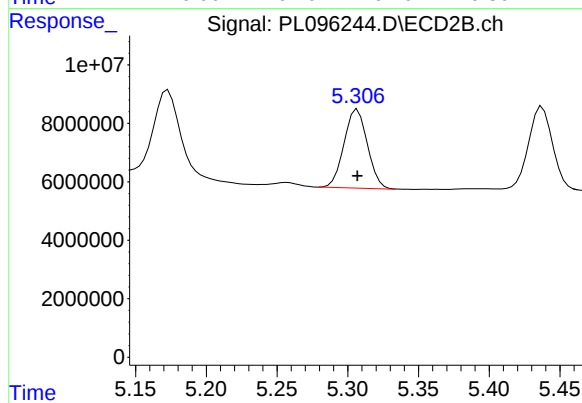
#11 alpha-Chlordane

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



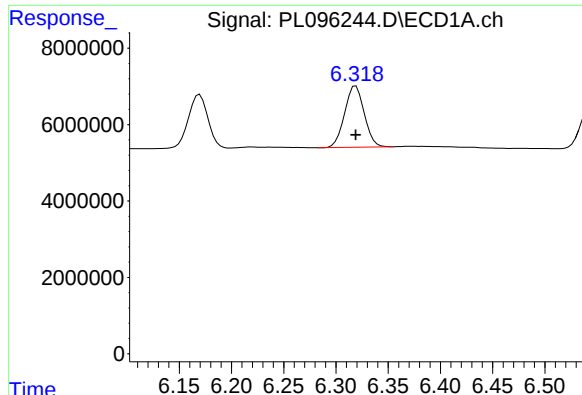
#12 4,4'-DDE

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



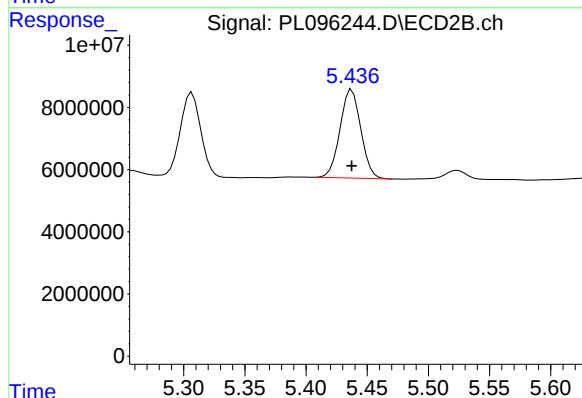
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

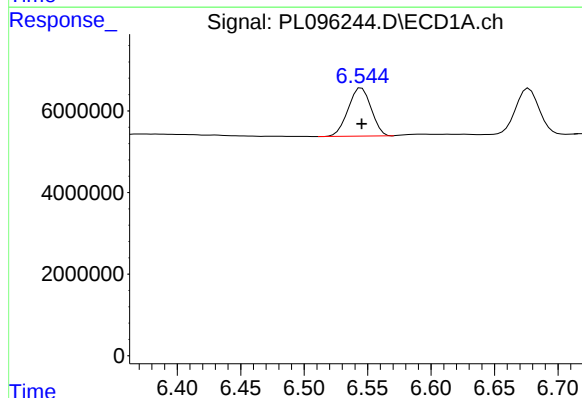
Manual Integrations
APPROVED

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



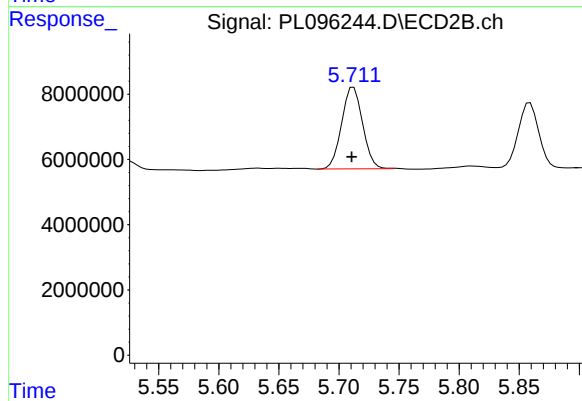
#13 Dieldrin

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



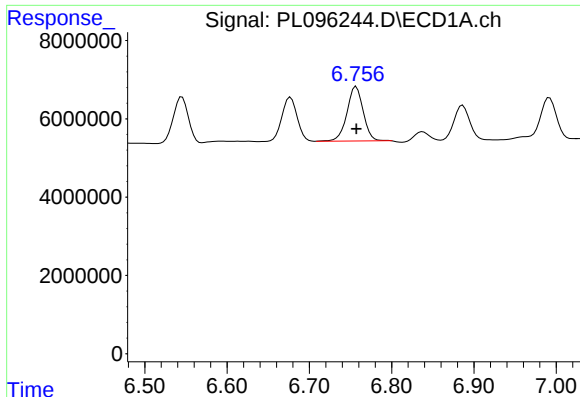
#14 Endrin

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



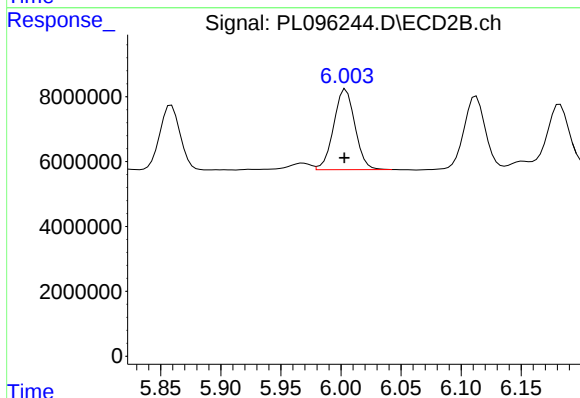
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

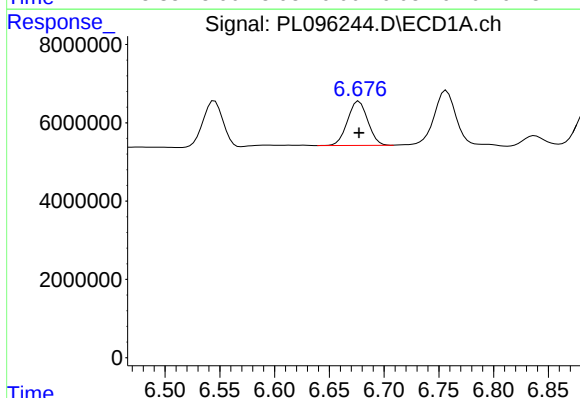
Manual Integrations
APPROVED

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



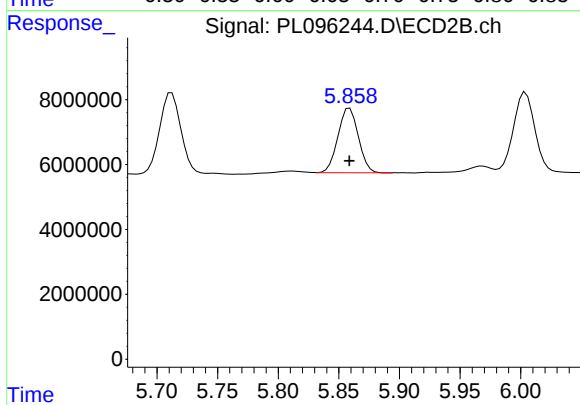
#15 Endosulfan II

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



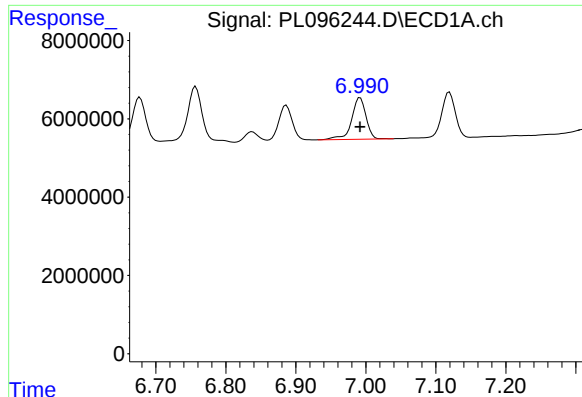
#16 4,4'-DDD

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



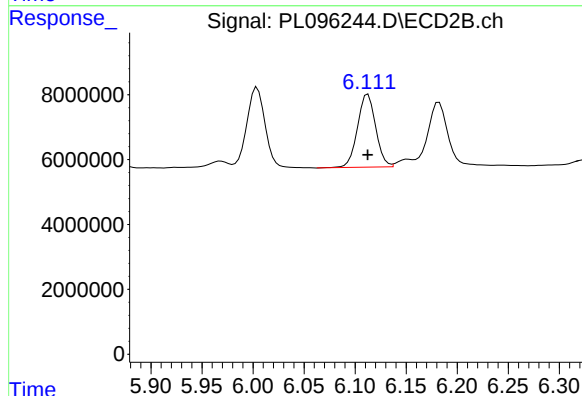
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

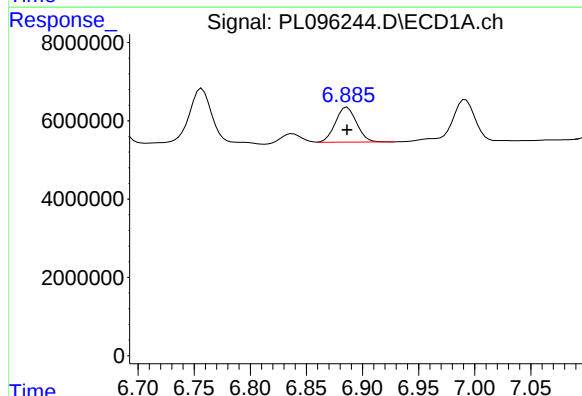
Manual Integrations
APPROVED

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



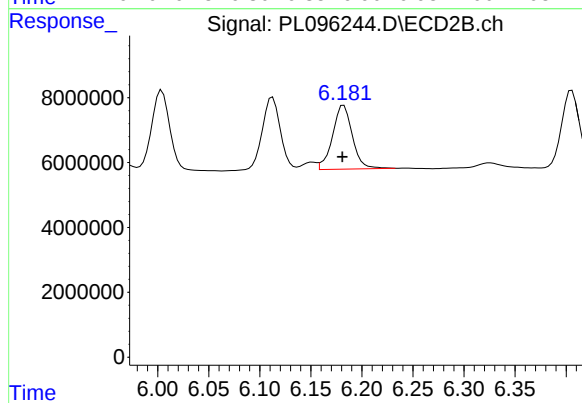
#17 4,4'-DDT

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



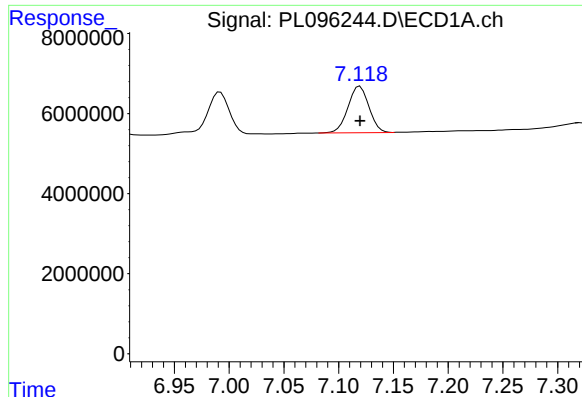
#18 Endrin aldehyde

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



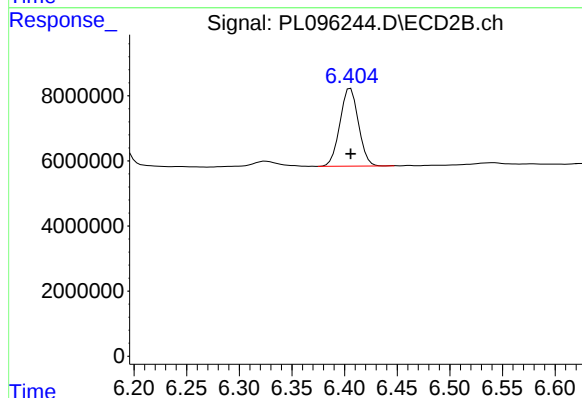
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

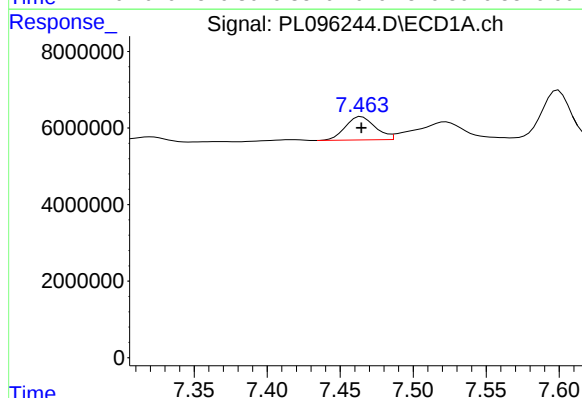
Manual Integrations
APPROVED

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



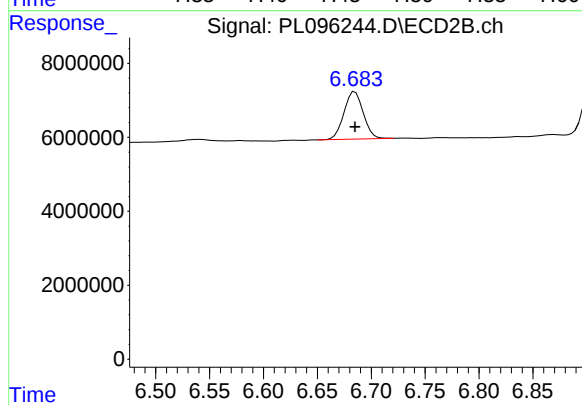
#19 Endosulfan Sulfate

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



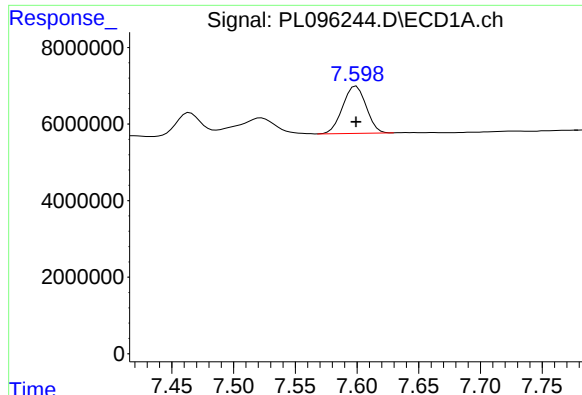
#20 Methoxychlor

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



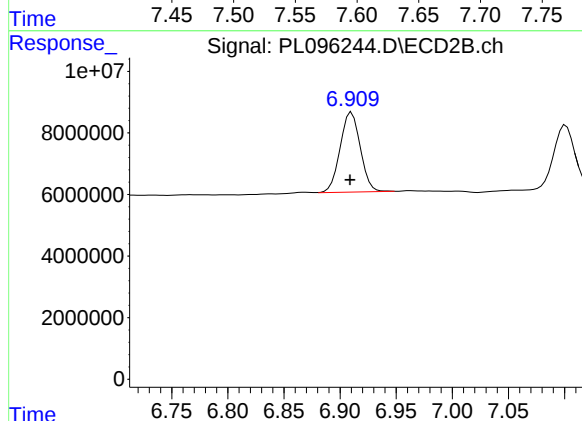
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

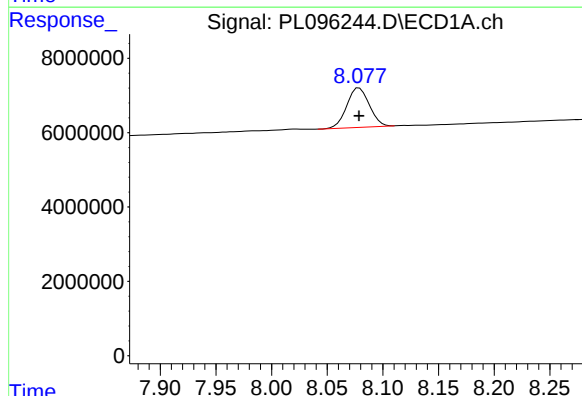
Manual Integrations
APPROVED

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



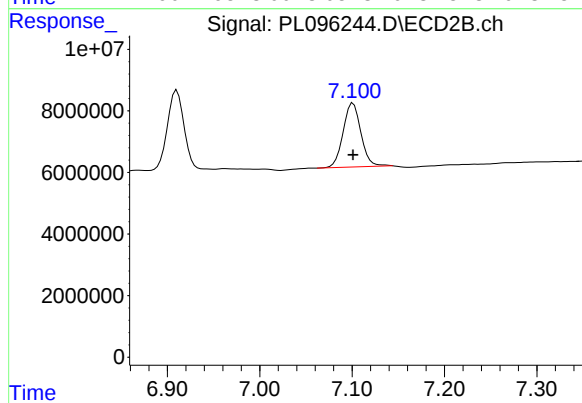
#21 Endrin ketone

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



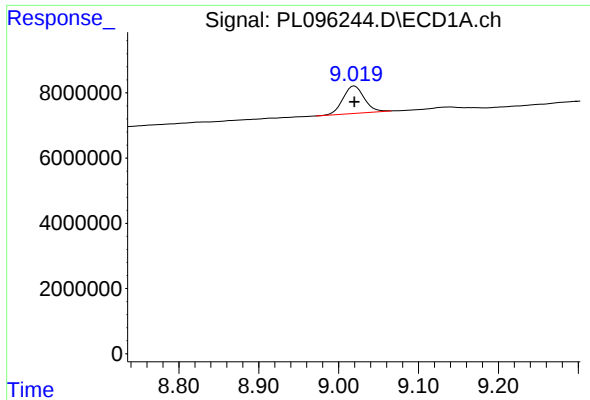
#22 Mirex

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

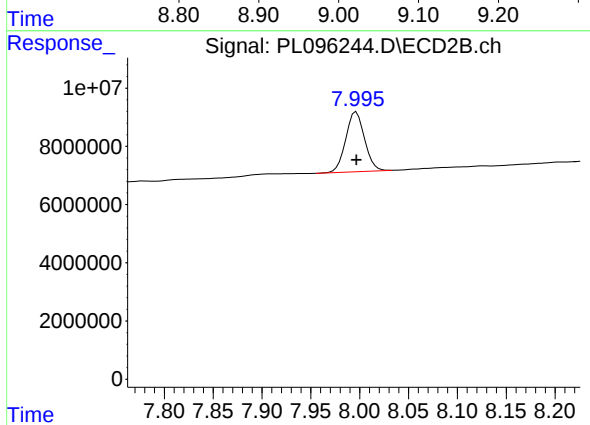
ICAL Form

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

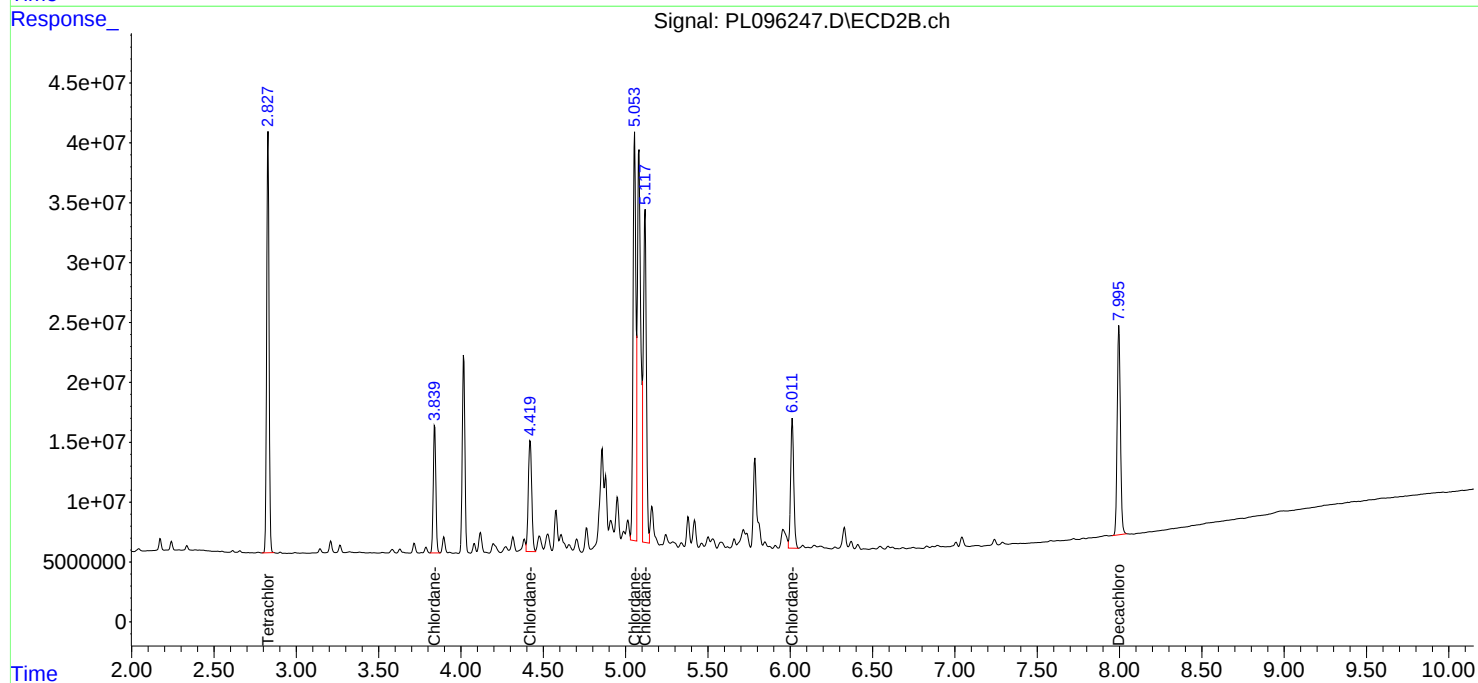
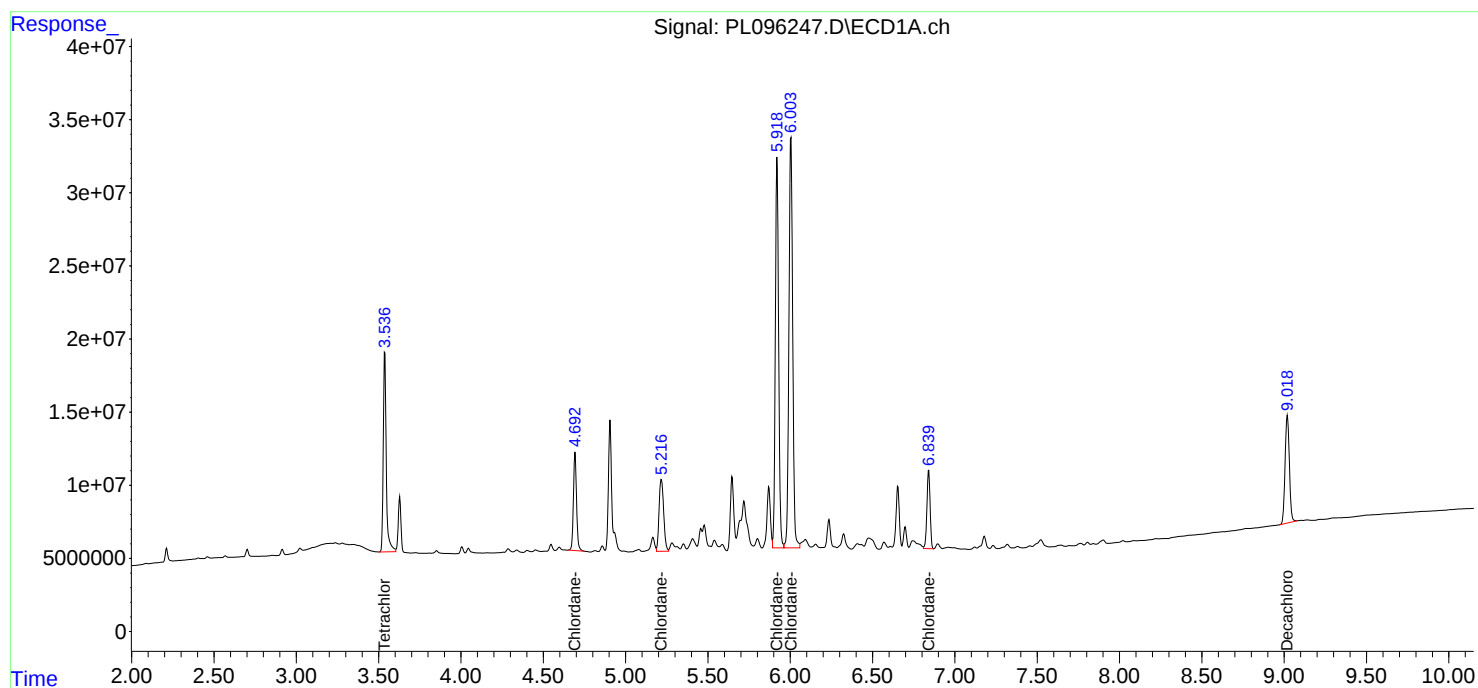
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

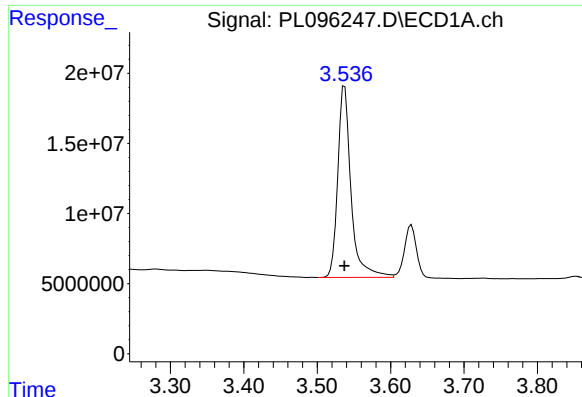
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

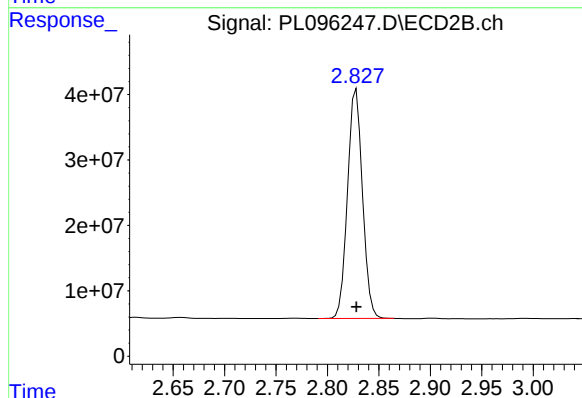




#1 Tetrachloro-m-xylene

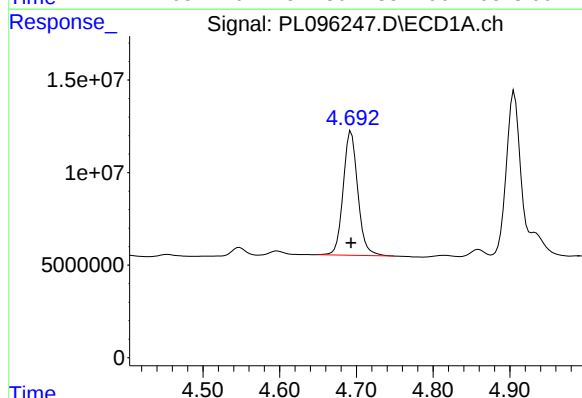
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 171642137
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



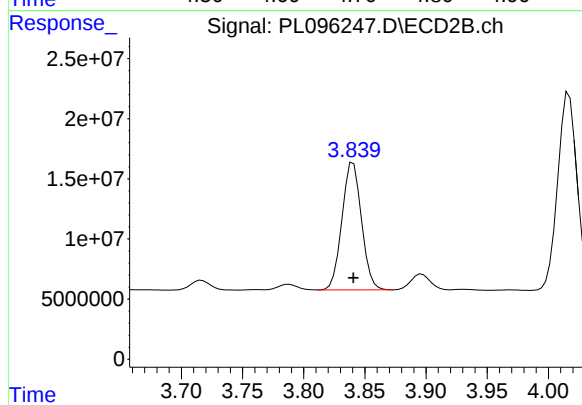
#1 Tetrachloro-m-xylene

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



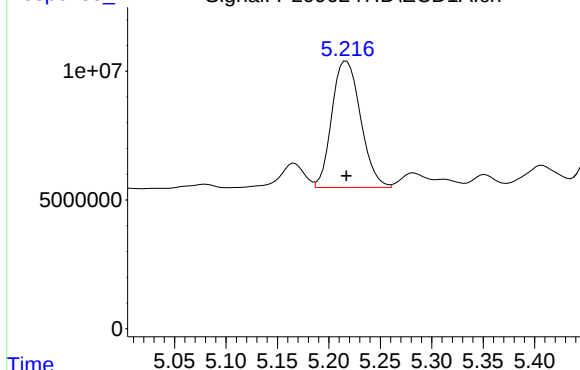
#23 Chlordane-1

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

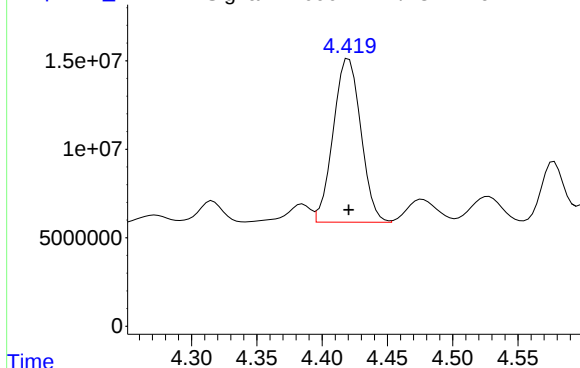
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL096247.D\ECD2B.ch

#24 Chlordane-2



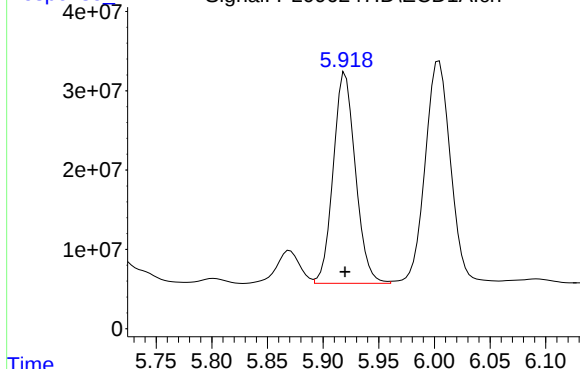
R.T.: 4.420 min
Delta R.T.: 0.000 min
Response: 136085748
Conc: 500.00 ng/ml

Time

Response_

Signal: PL096247.D\ECD1A.ch

#25 Chlordane-3



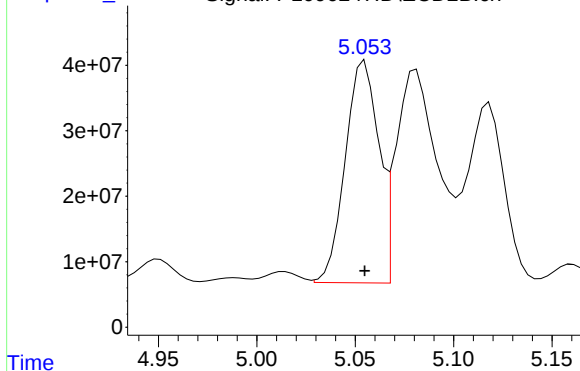
R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 369220532
Conc: 500.00 ng/ml

Time

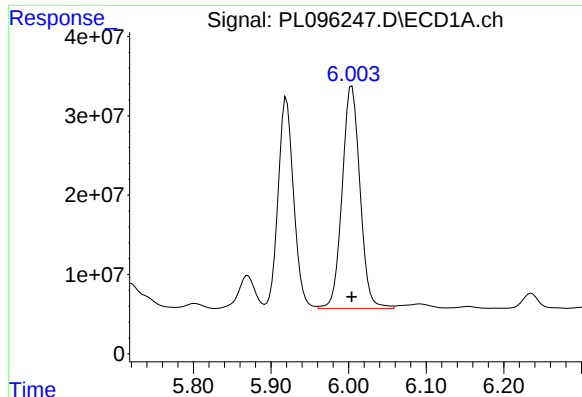
Response_

Signal: PL096247.D\ECD2B.ch

#25 Chlordane-3



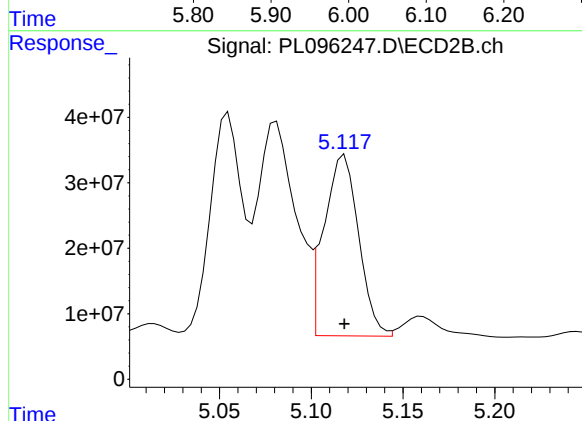
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 398637596
Conc: 500.00 ng/ml



#26 Chlordane-4

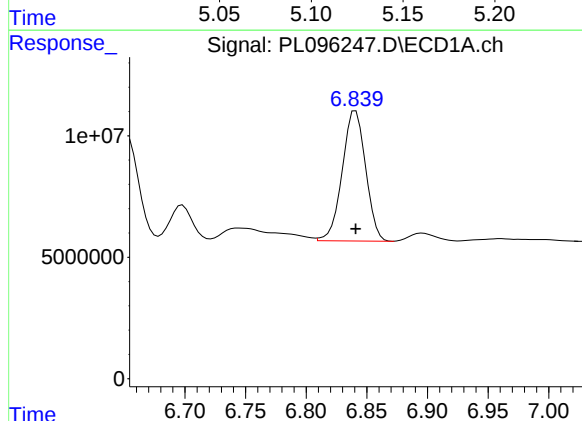
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 447993243
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



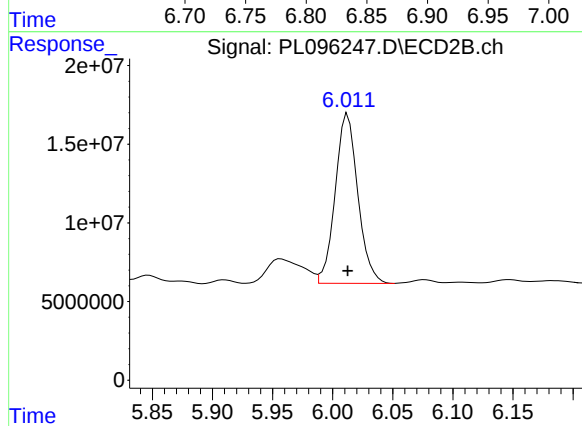
#26 Chlordane-4

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

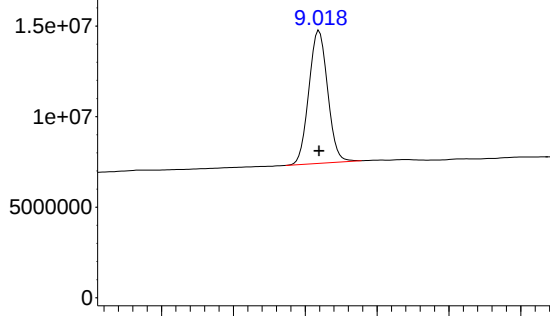
R.T.: 6.013 min
Delta R.T.: 0.000 min
Response: 141479033
Conc: 500.00 ng/ml

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

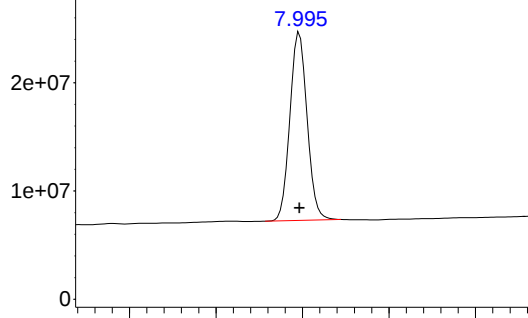
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.829	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

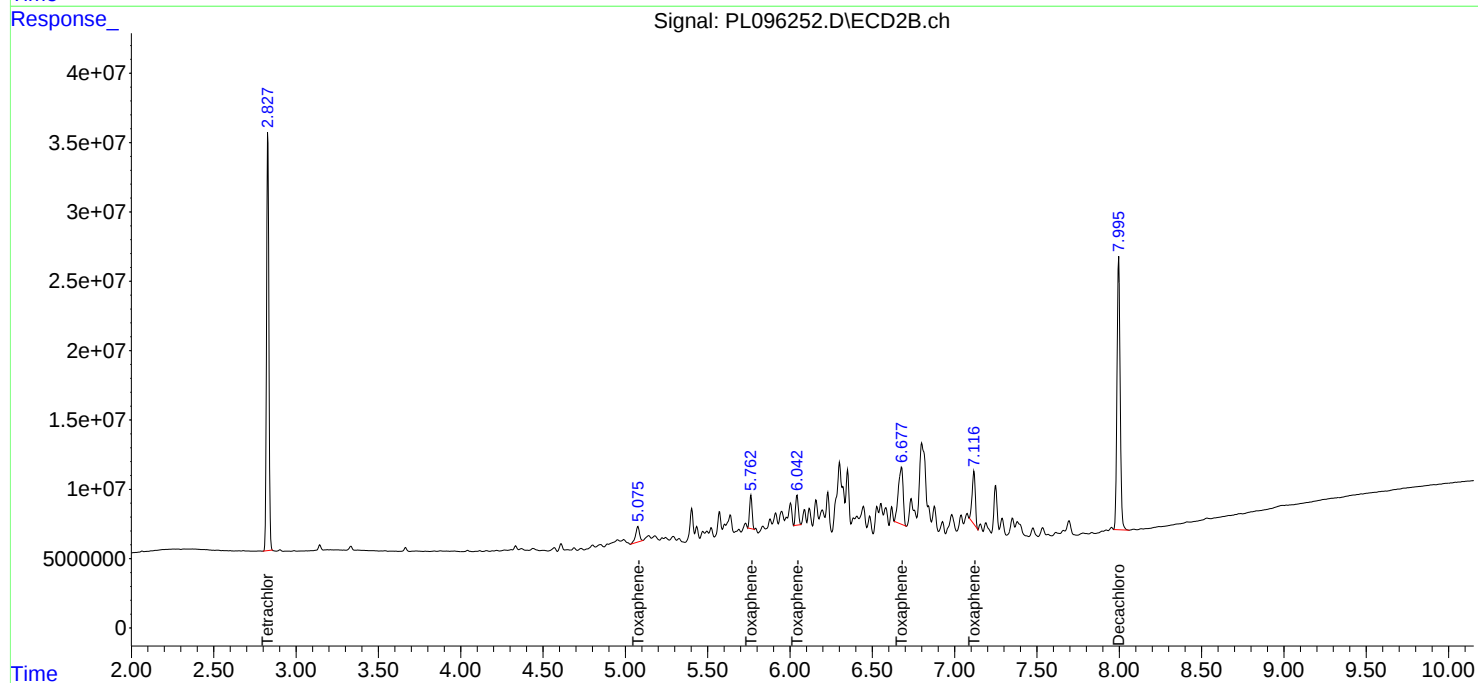
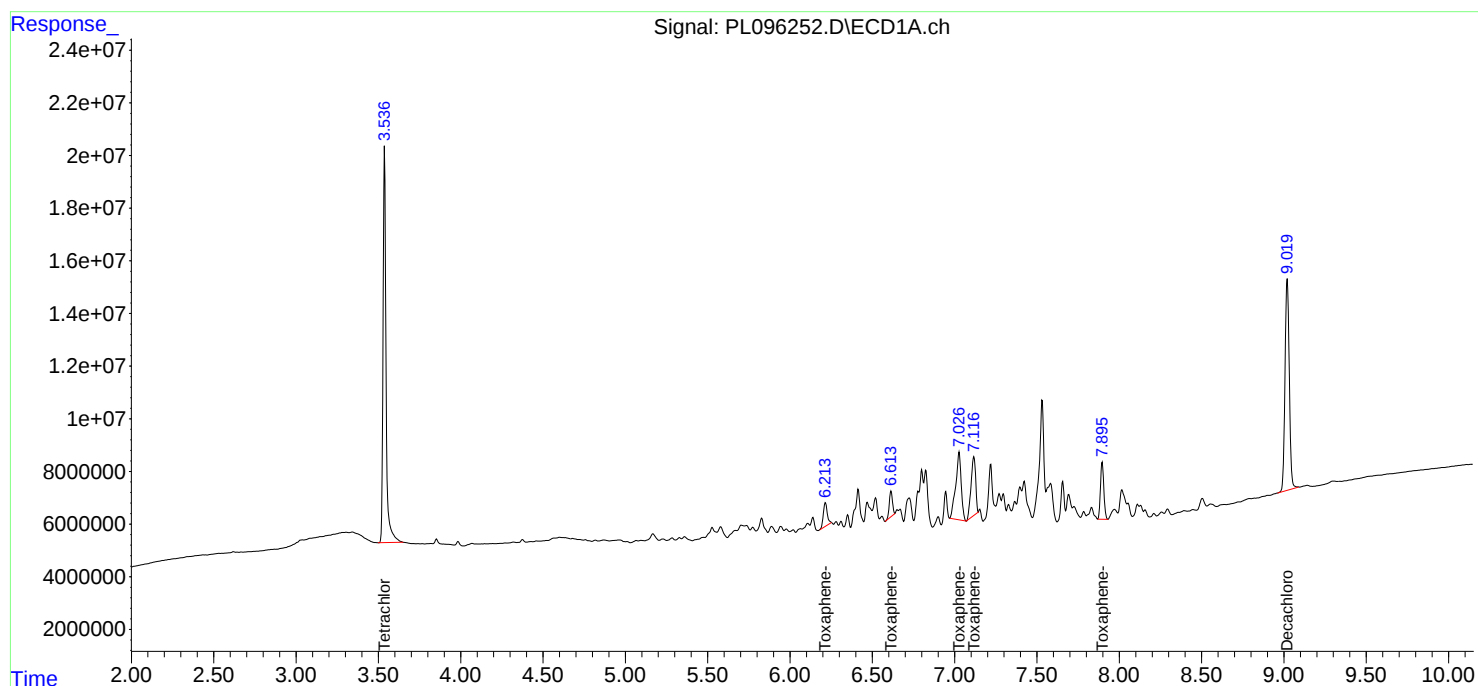
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

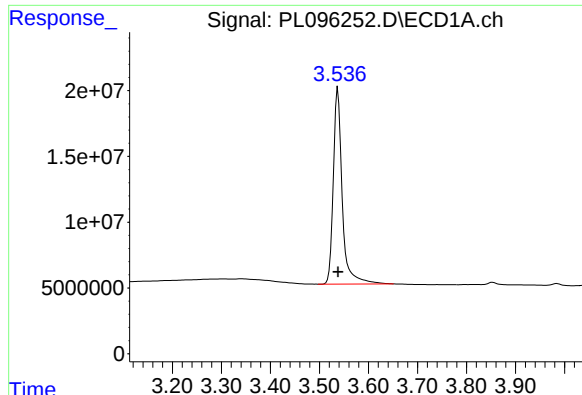
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

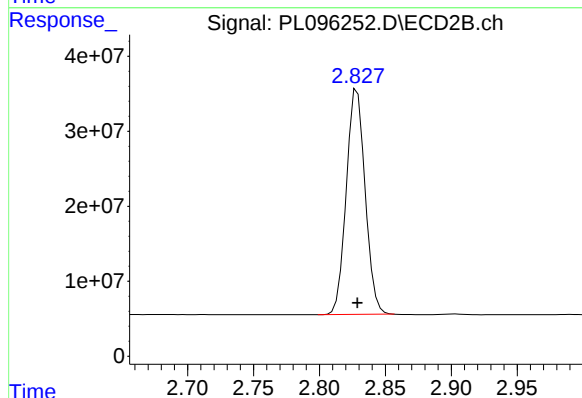




#1 Tetrachloro-m-xylene

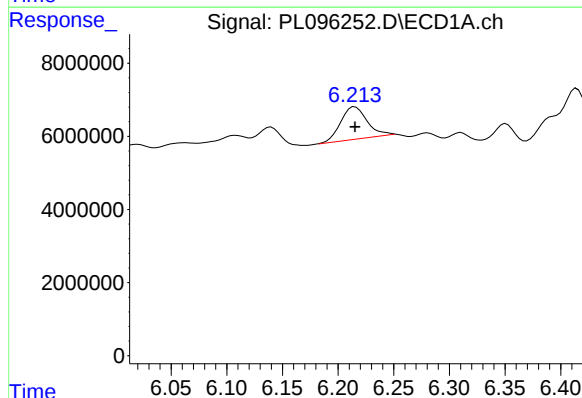
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 188746411
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



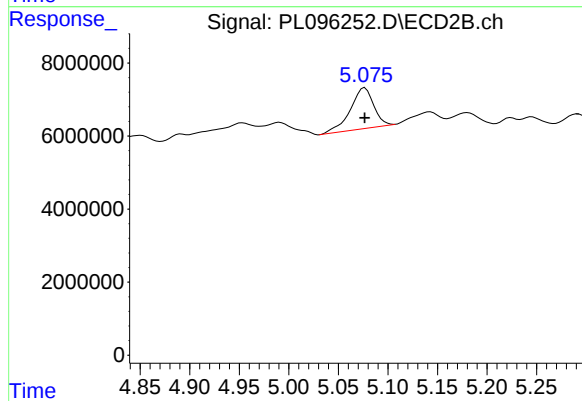
#1 Tetrachloro-m-xylene

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



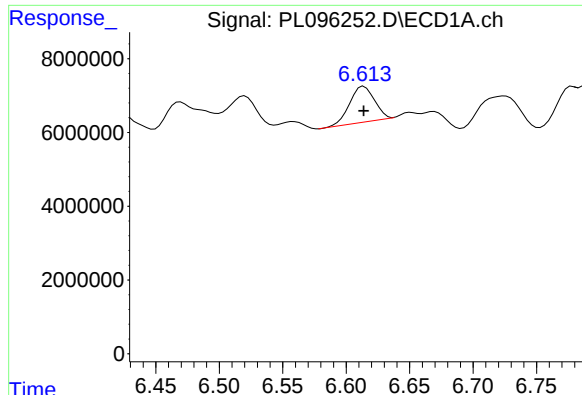
#2 Toxaphene-1

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



#2 Toxaphene-1

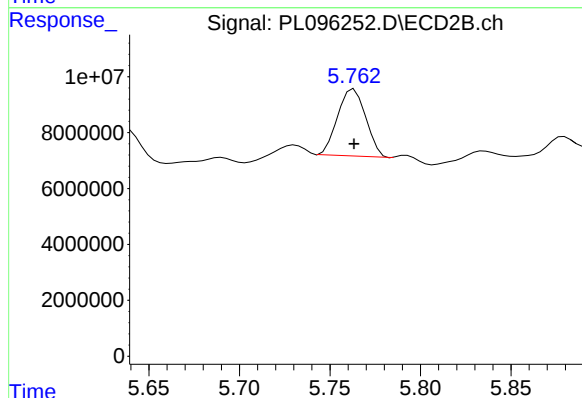
R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 18353677
Conc: 500.00 ng/ml



#3 Toxaphene-2

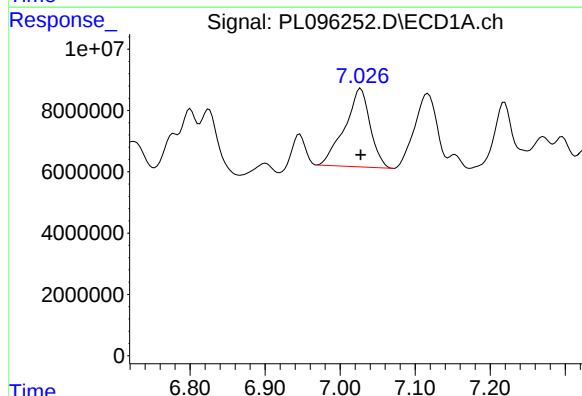
R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 13059638
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



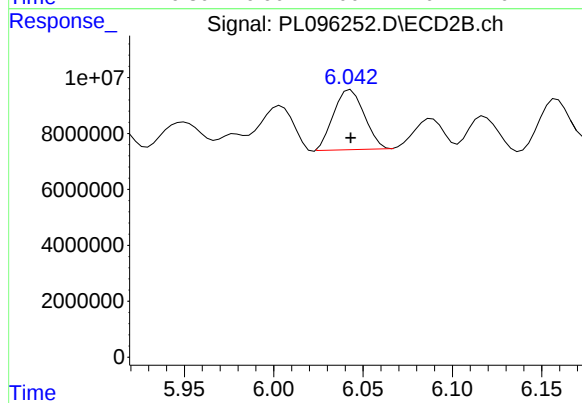
#3 Toxaphene-2

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



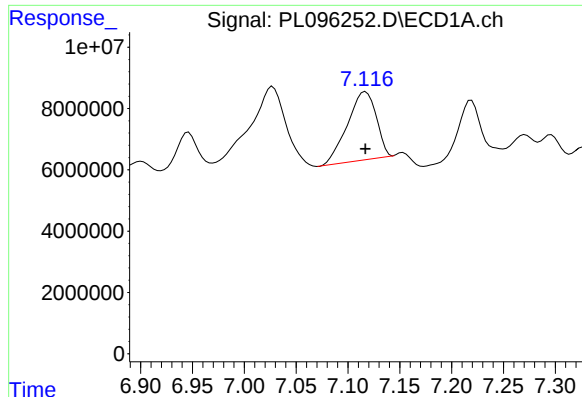
#4 Toxaphene-3

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



#4 Toxaphene-3

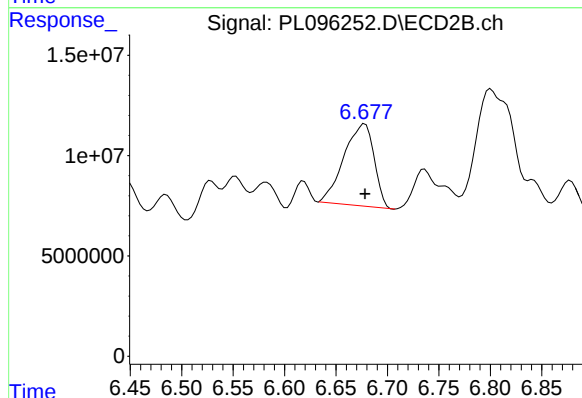
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 25708745
Conc: 500.00 ng/ml



#5 Toxaphene-4

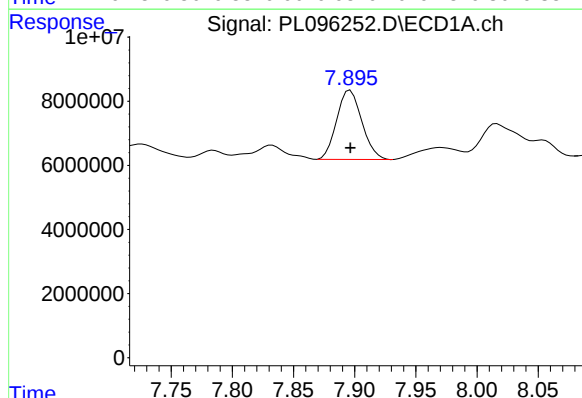
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 42985480
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



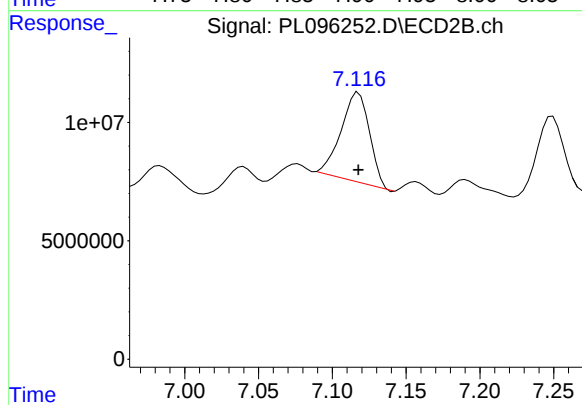
#5 Toxaphene-4

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

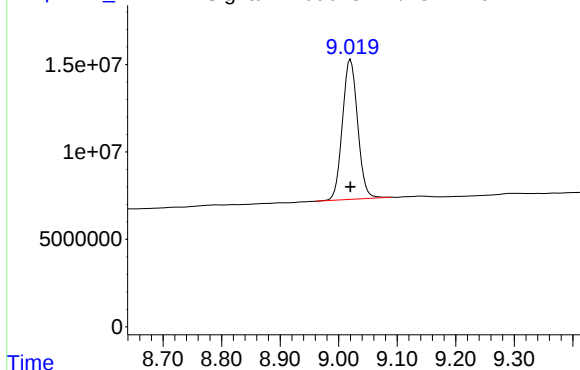
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50709284
Conc: 500.00 ng/ml

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

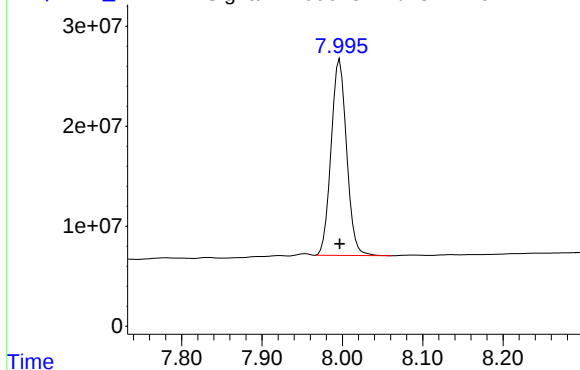
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

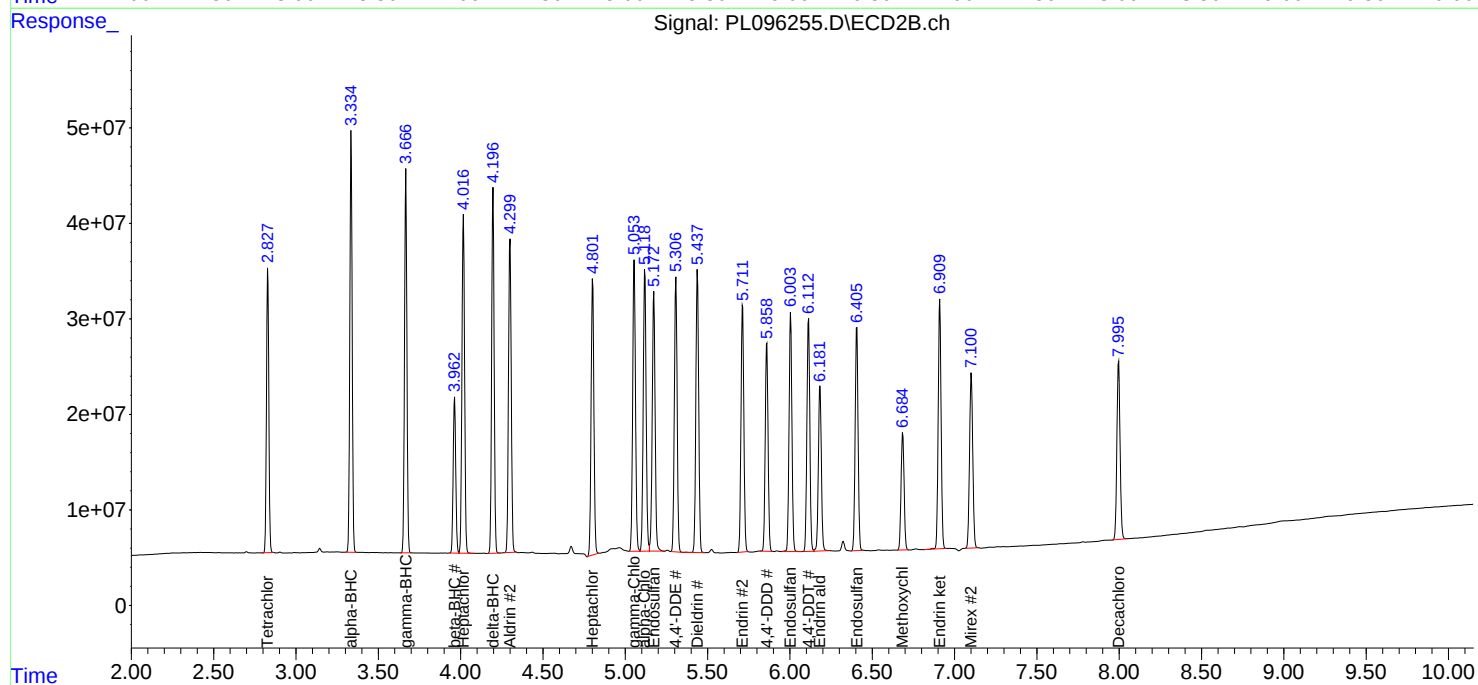
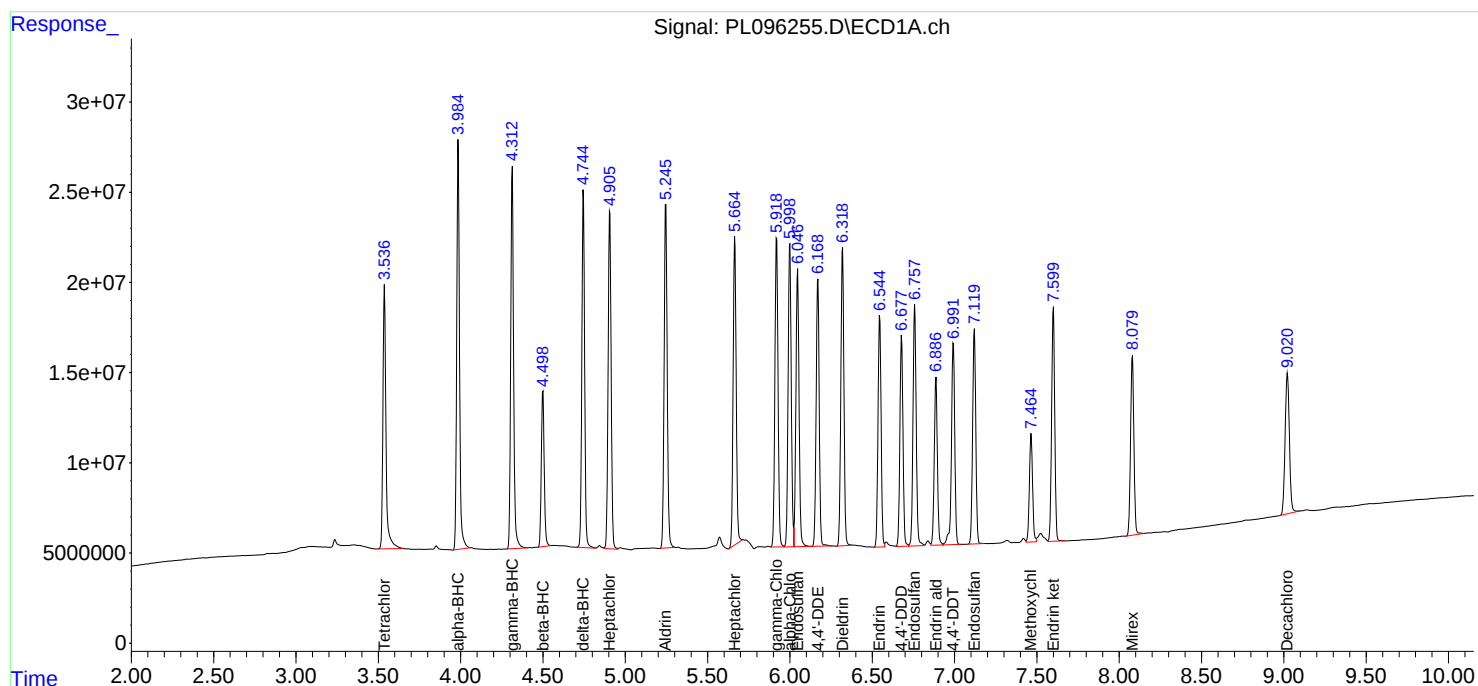
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

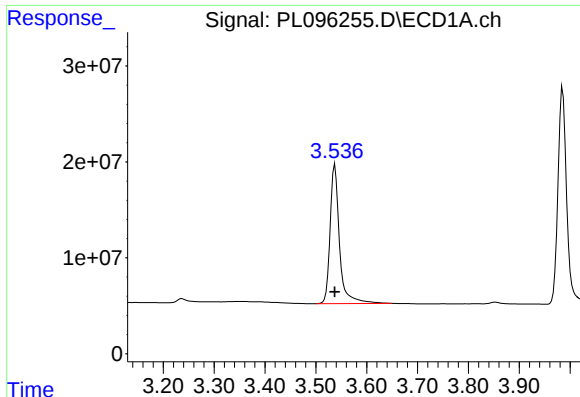
Manual Integrations
APPROVED

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

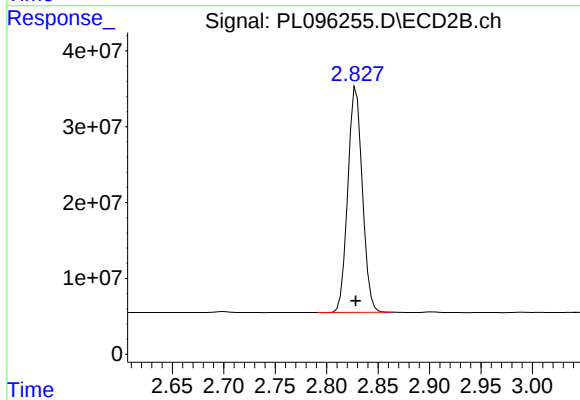
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 186539650
Conc: 51.12 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

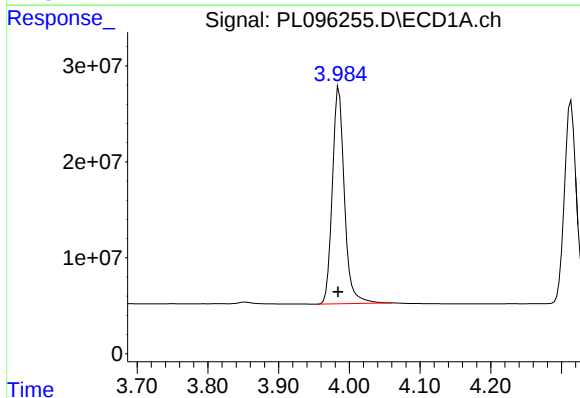
Manual Integrations
APPROVED

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



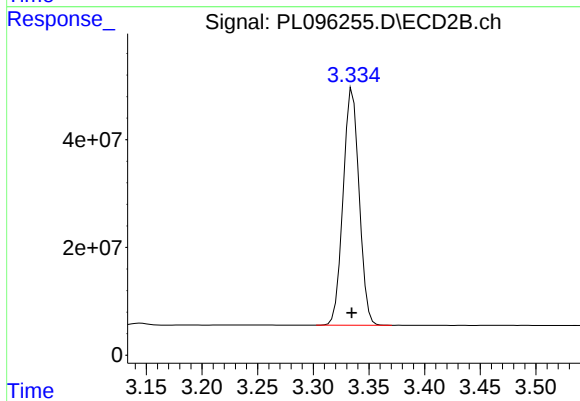
#1 Tetrachloro-m-xylene

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



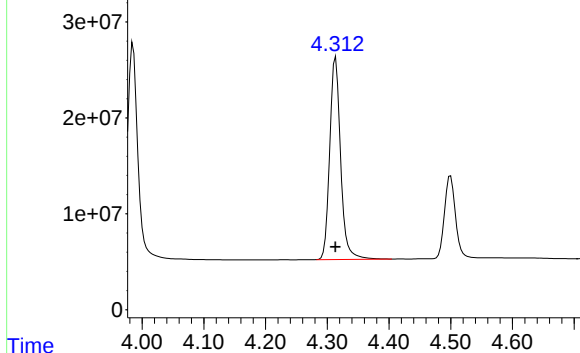
#2 alpha-BHC

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

APPROVED

Reviewed By :Abdul Mirza 07/08/2025

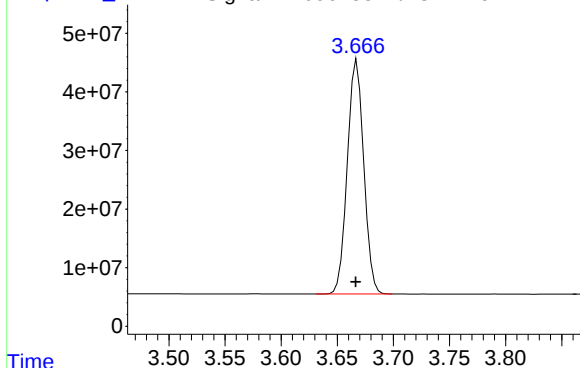
Supervised By :mohammad ahmed 07/09/2025

Time

Response_

Signal: PL096255.D\ECD2B.ch

#3 gamma-BHC (Lindane)



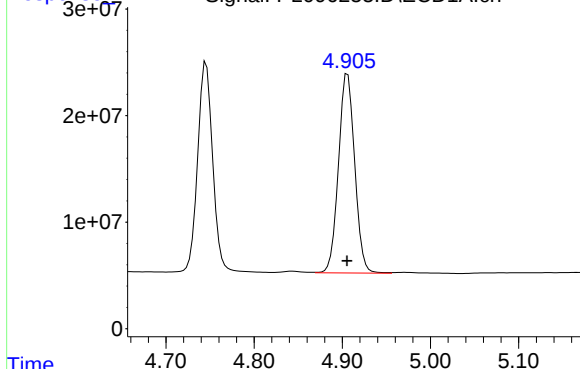
R.T.: 3.668 min
Delta R.T.: 0.000 min
Response: 407224231
Conc: 51.71 ng/ml

Time

Response_

Signal: PL096255.D\ECD1A.ch

#4 Heptachlor



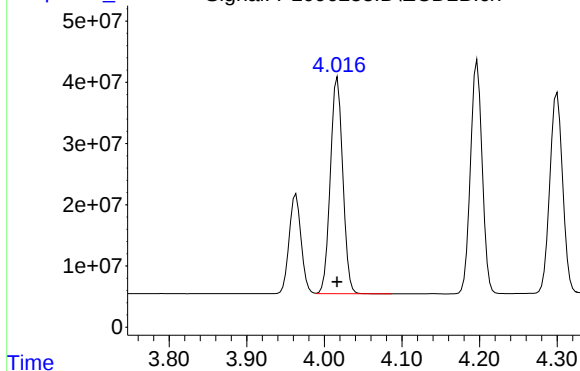
R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 239257721
Conc: 52.23 ng/ml

Time

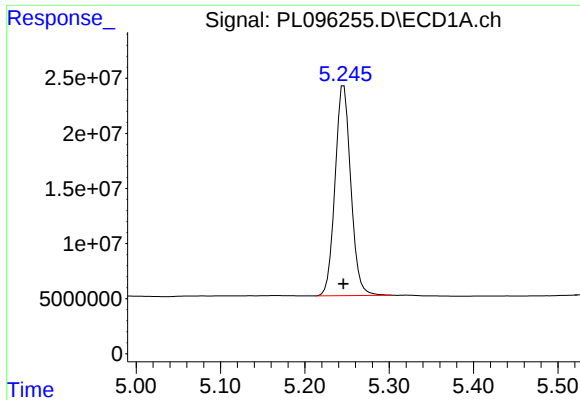
Response_

Signal: PL096255.D\ECD2B.ch

#4 Heptachlor



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



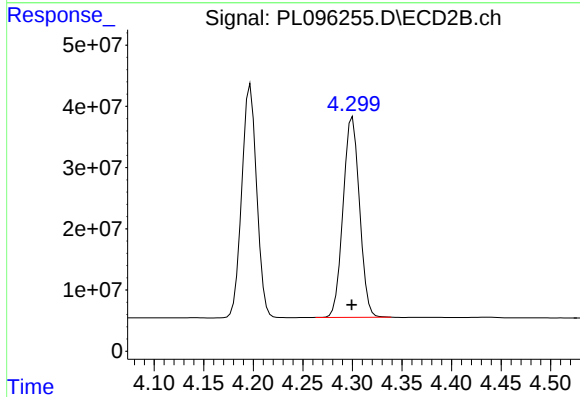
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

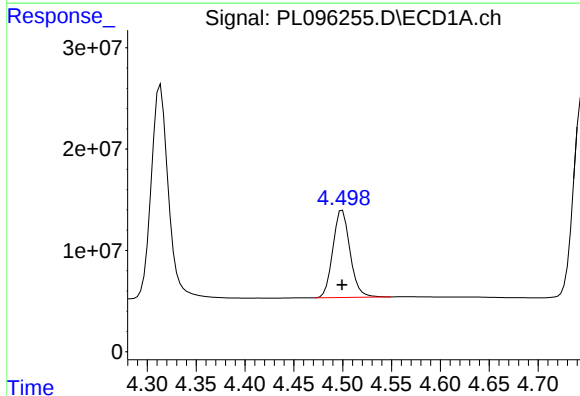
Manual Integrations
APPROVED

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



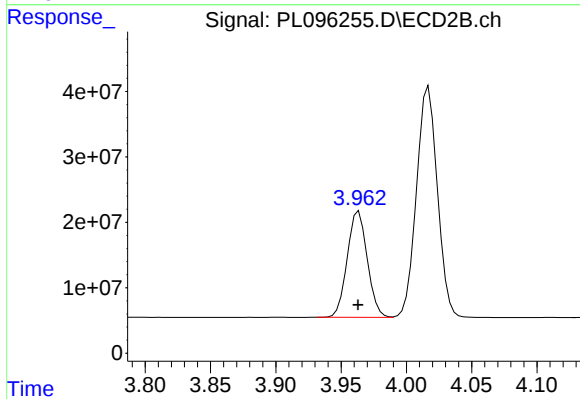
#5 Aldrin

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



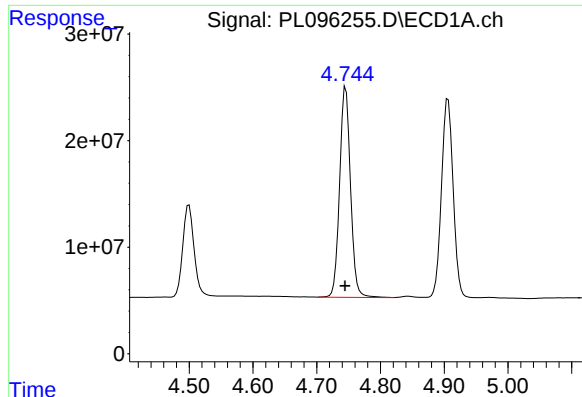
#6 beta-BHC

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



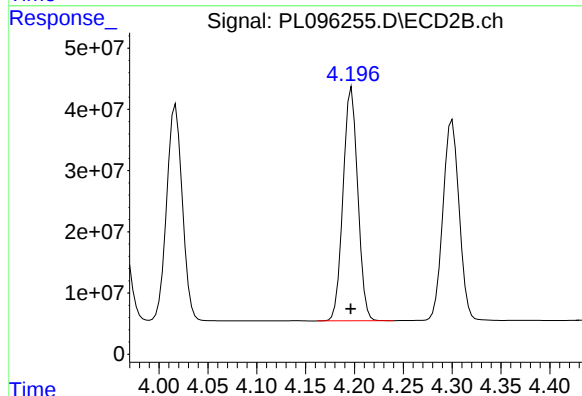
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

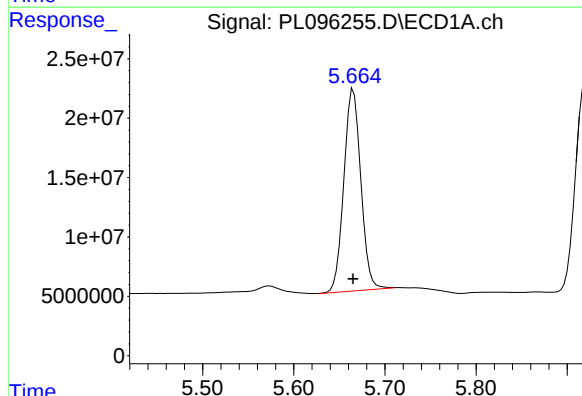
Manual Integrations
APPROVED

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



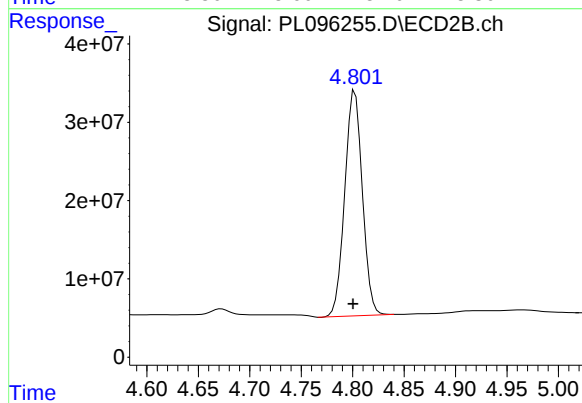
#7 delta-BHC

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



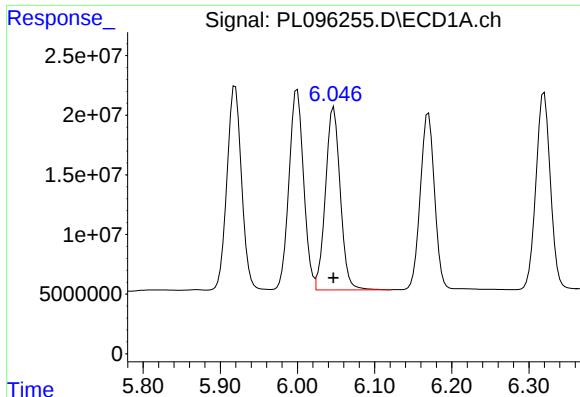
#8 Heptachlor epoxide

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



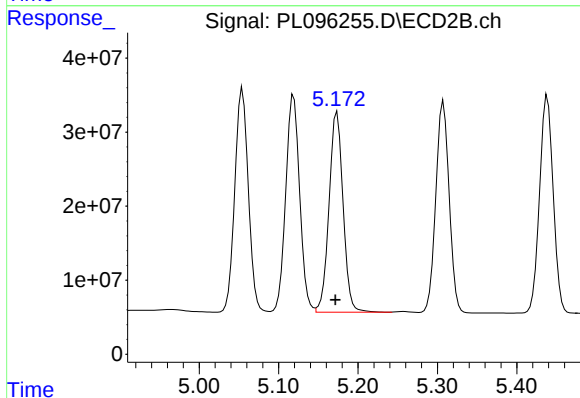
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

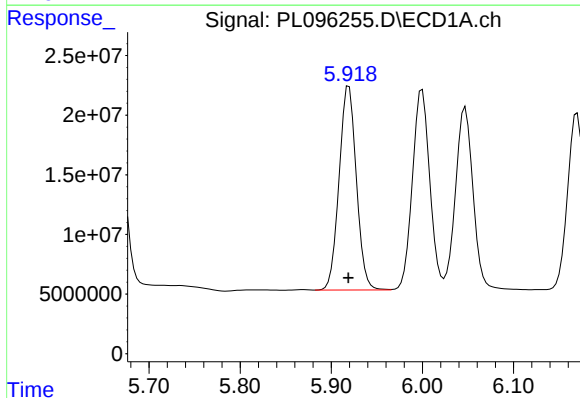
Manual Integrations
APPROVED

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



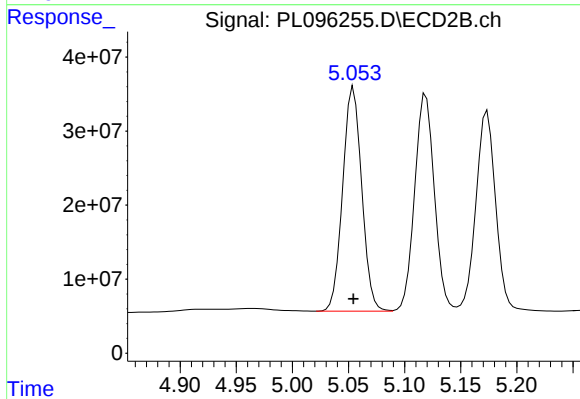
#9 Endosulfan I

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



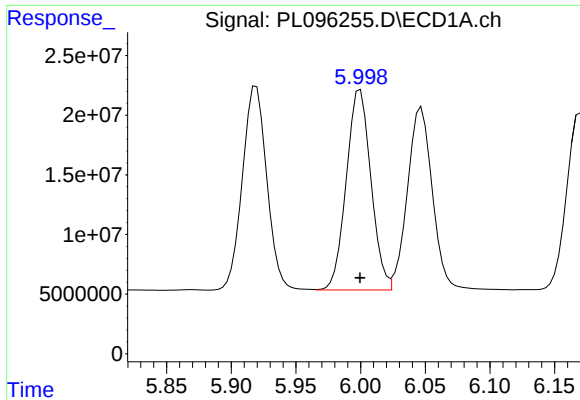
#10 gamma-Chlordane

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

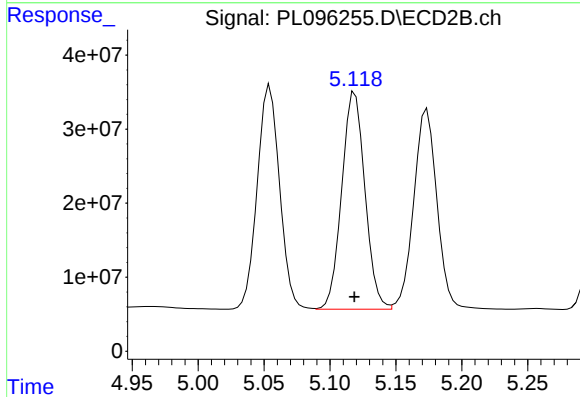
Instrument :

ECD_L

ClientSampleId :
ICVPL070725

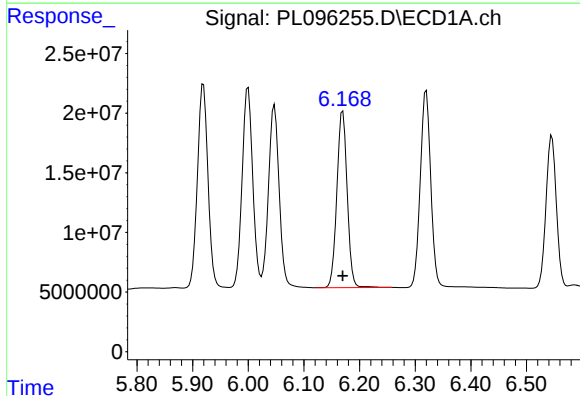
Manual Integrations
APPROVED

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



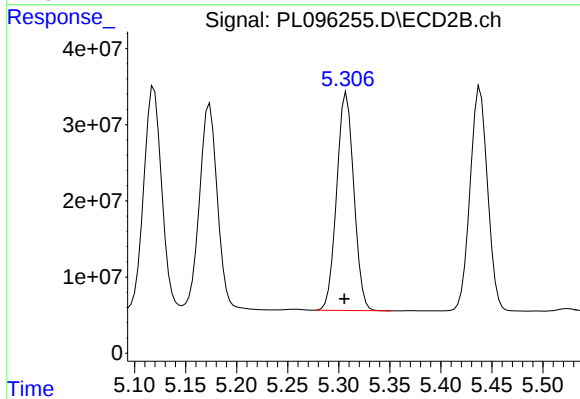
#11 alpha-Chlordane

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



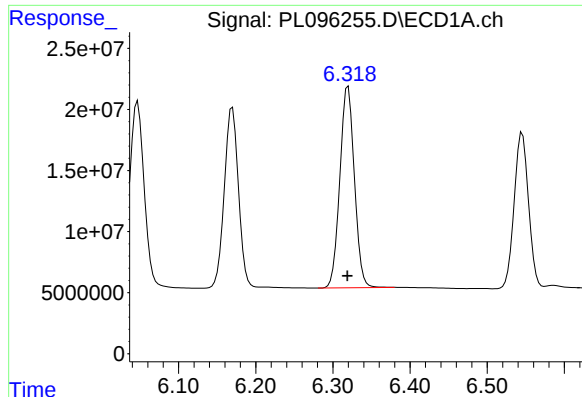
#12 4,4'-DDE

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



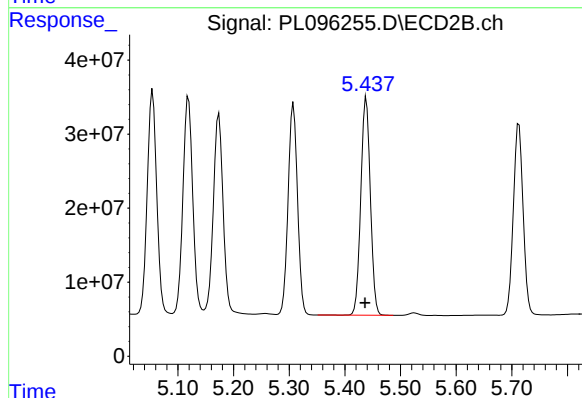
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

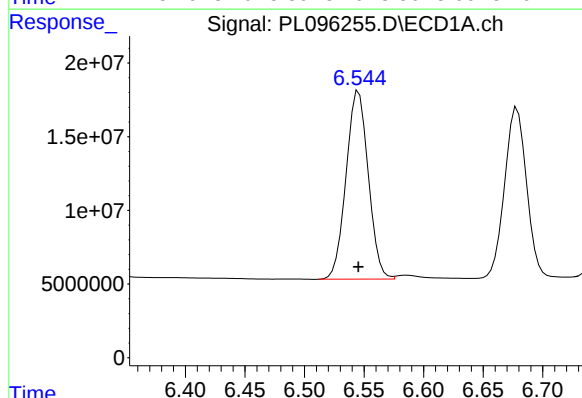
Manual Integrations
APPROVED

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



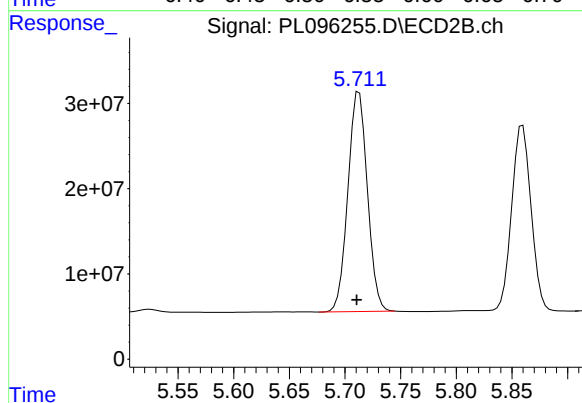
#13 Dieldrin

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



#14 Endrin

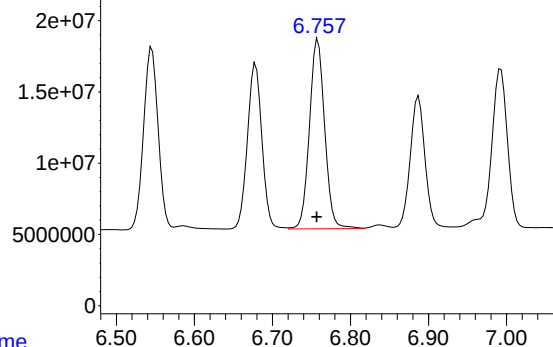
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 165802977
Conc: 53.31 ng/ml



#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

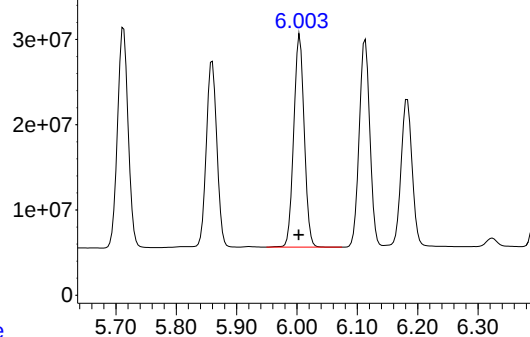
R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 180601073
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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

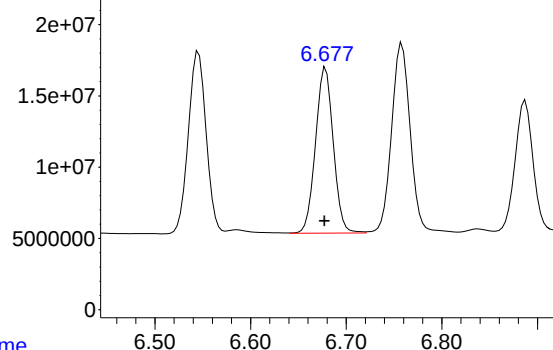
Time Response_ Signal: PL096255.D\ECD2B.ch



#15 Endosulfan II

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

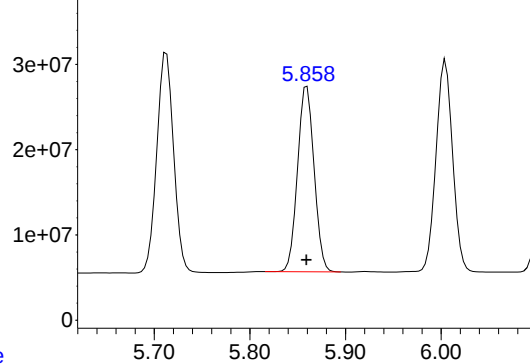
Time Response_ Signal: PL096255.D\ECD1A.ch



#16 4,4'-DDD

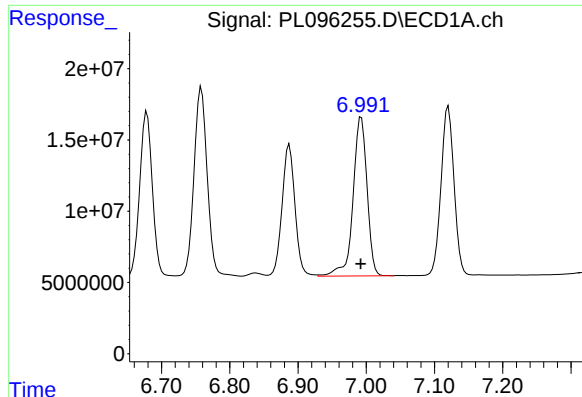
R.T.: 6.679 min
Delta R.T.: 0.001 min
Response: 150504521
Conc: 51.69 ng/ml

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



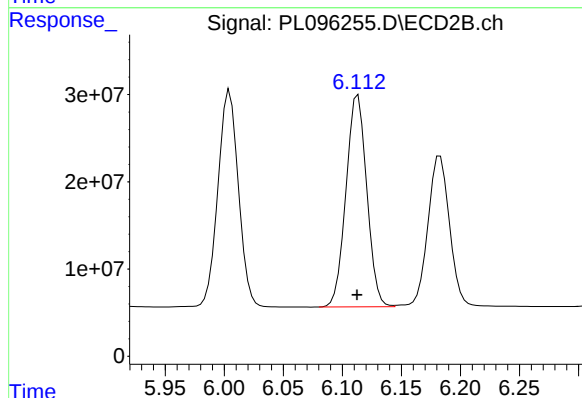
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

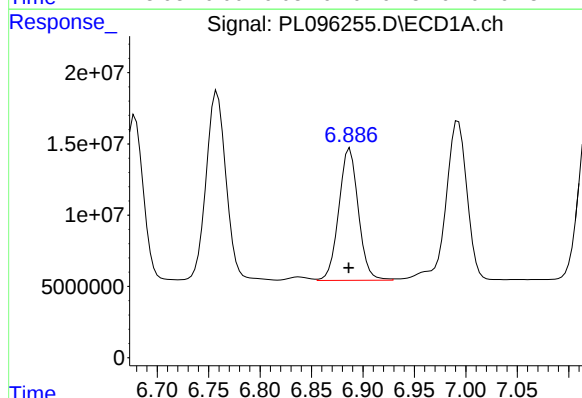
Manual Integrations
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Supervised By :mohammad ahmed 07/09/2025



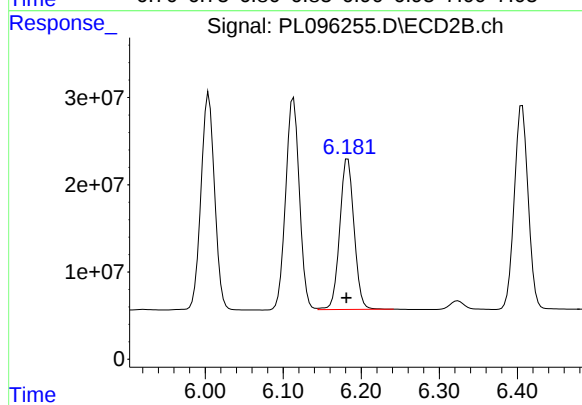
#17 4,4'-DDT

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



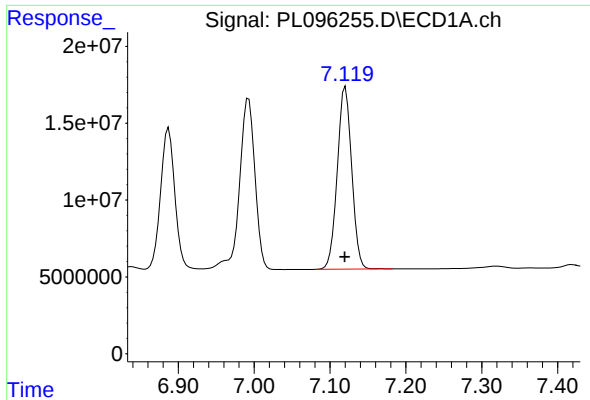
#18 Endrin aldehyde

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



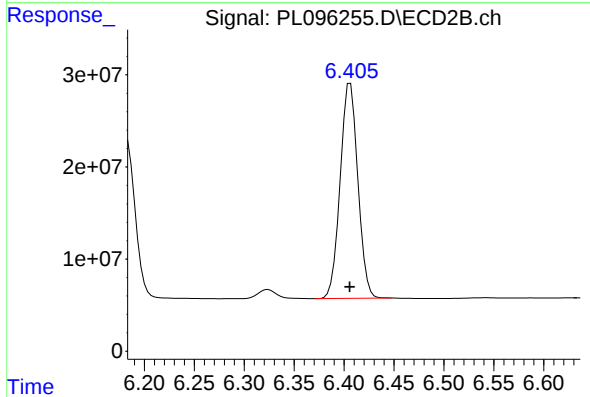
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

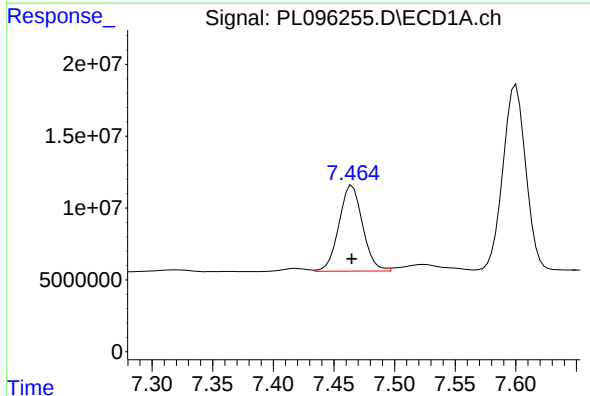
Manual Integrations
APPROVED

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



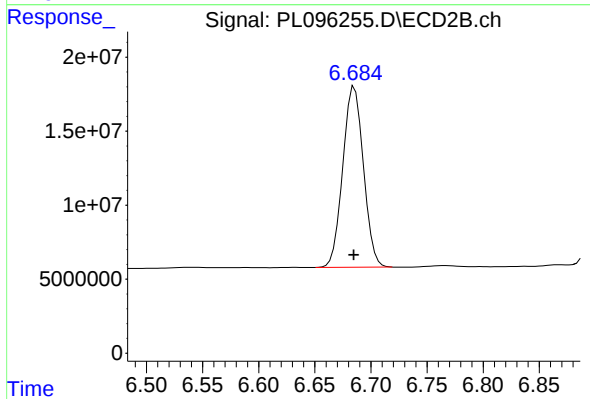
#19 Endosulfan Sulfate

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



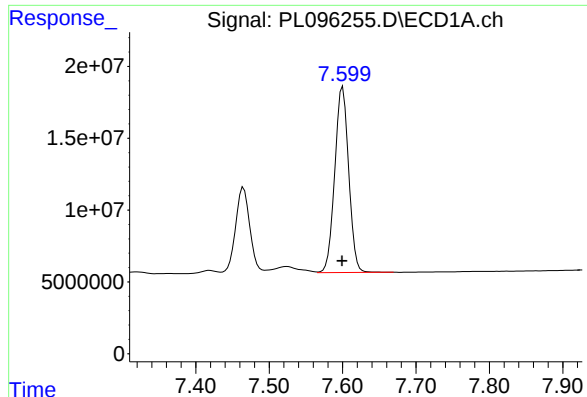
#20 Methoxychlor

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



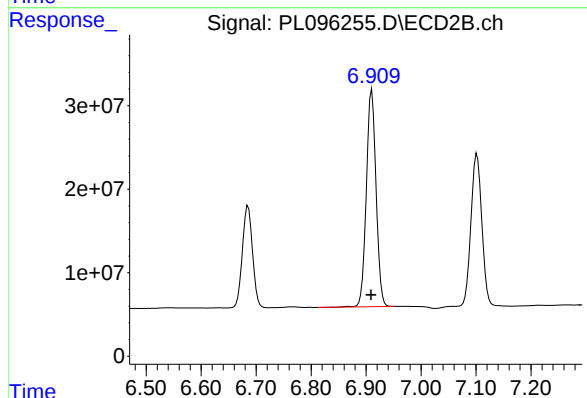
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

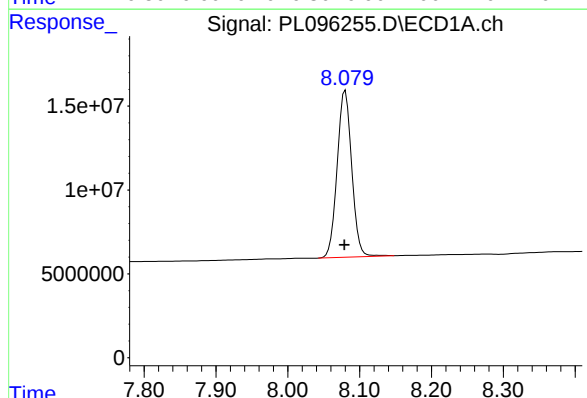
Manual Integrations
APPROVED

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



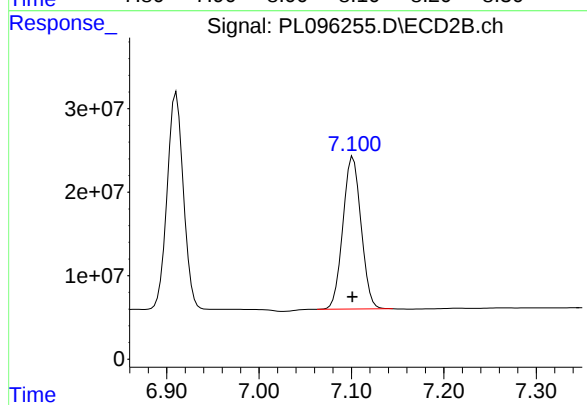
#21 Endrin ketone

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



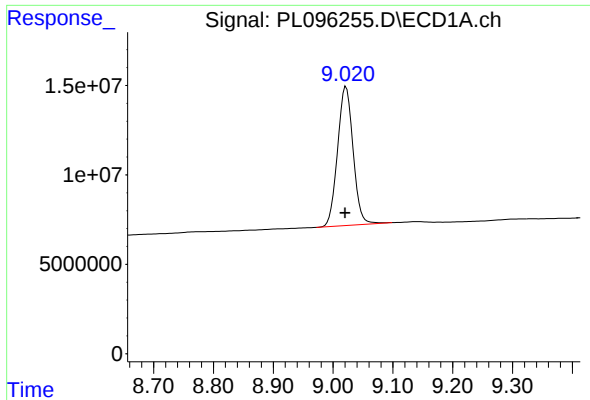
#22 Mirex

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

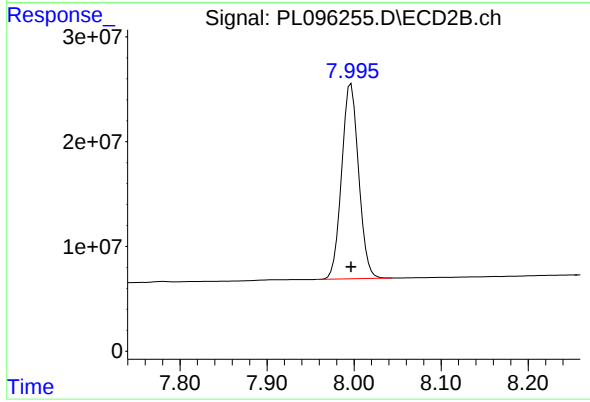
Response: 140644352

Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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: 252544515

Conc: 50.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096256.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:33
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 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 14:49:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 14:49:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 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	175.5E6	356.0E6	50.385	50.184
28)	SA Decachlor...	9.020	7.996	132.8E6	244.6E6	44.672	47.568
Target Compounds							
23)	Chlordane-1	4.691	3.841	89634627	118.6E6	499.813m	501.718
24)	Chlordane-2	5.216	4.420	97490875	136.9E6	497.961	497.991
25)	Chlordane-3	5.920	5.054	374.3E6	402.4E6	507.981	500.221
26)	Chlordane-4	6.005	5.118	453.1E6	361.6E6	504.966	481.217
27)	Chlordane-5	6.841	6.013	72507096	142.2E6	480.381	501.557

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:33
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

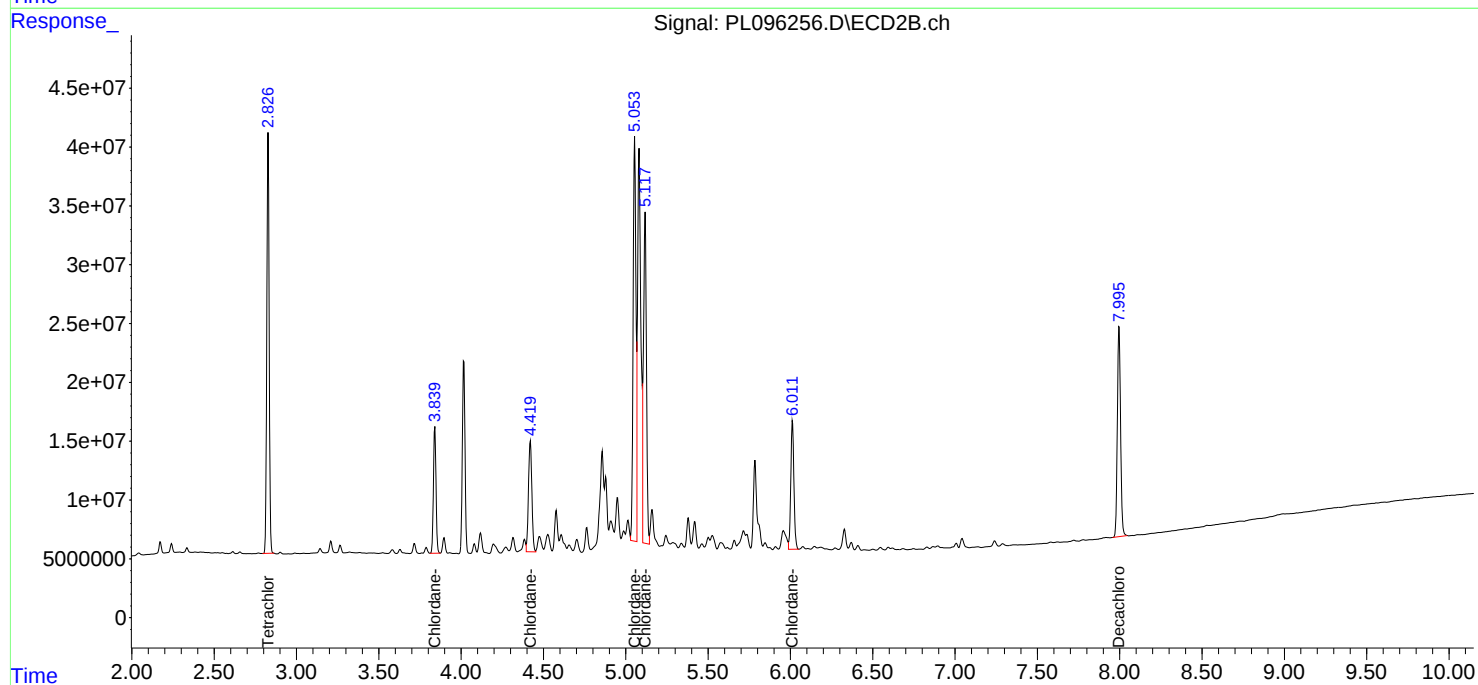
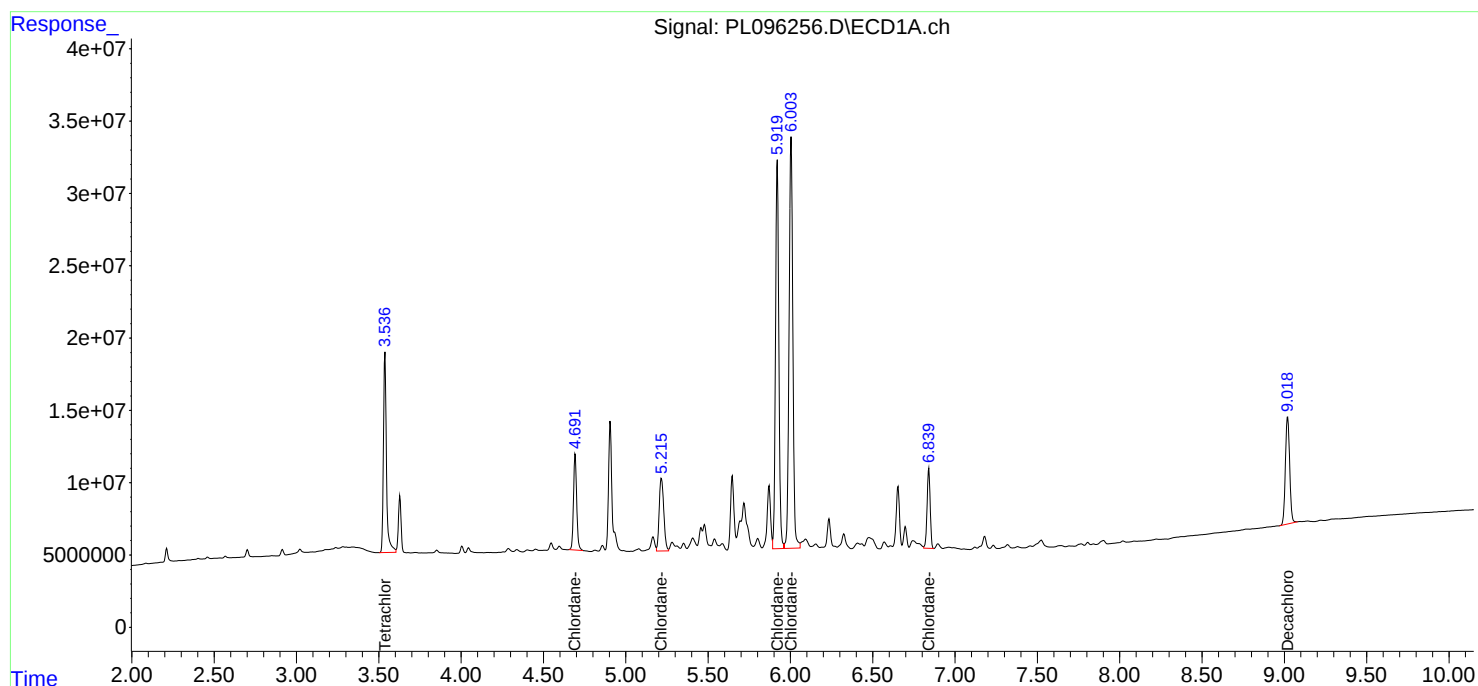
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

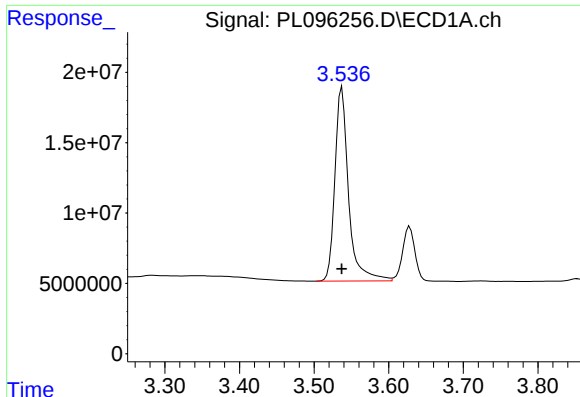
Manual Integrations
APPROVED

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 14:49:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:49:05 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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

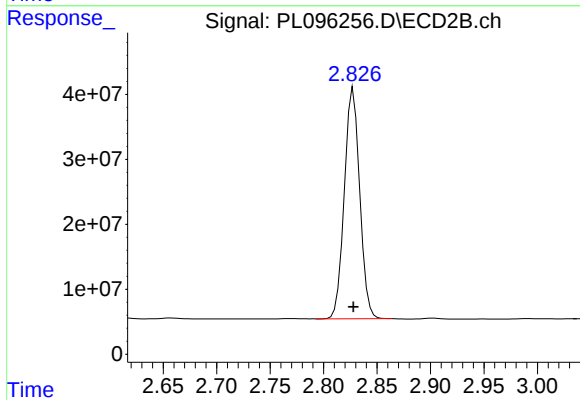
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 175452174
Conc: 50.39 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

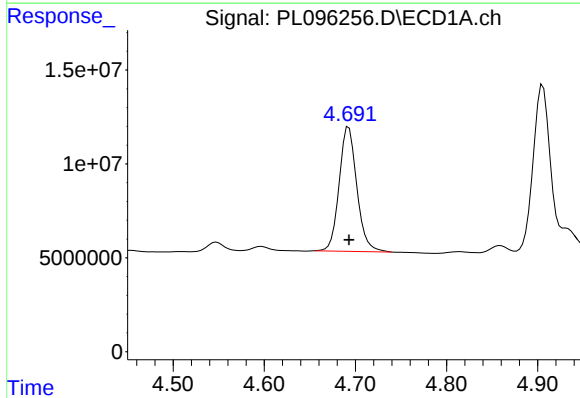
Manual Integrations
APPROVED

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



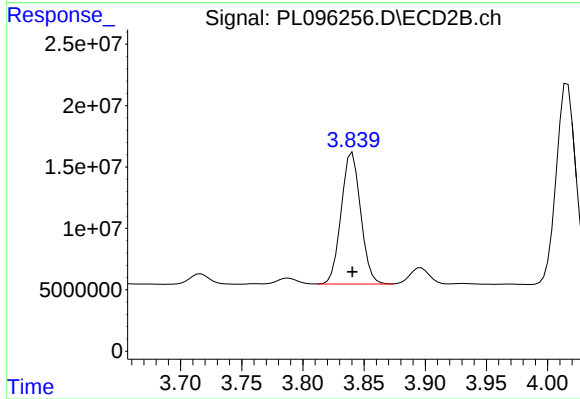
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 356033250
Conc: 50.18 ng/ml



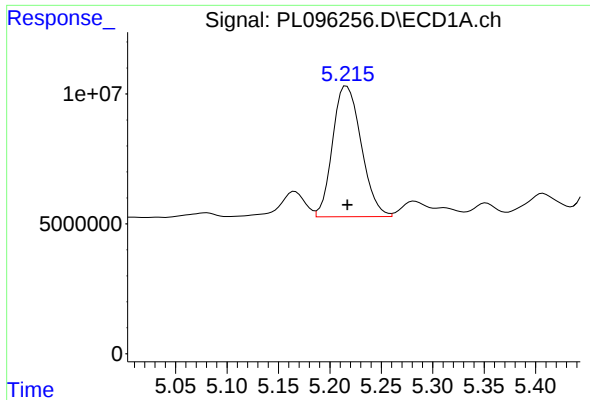
#23 Chlordane-1

R.T.: 4.691 min
Delta R.T.: -0.002 min
Response: 89634627
Conc: 499.81 ng/ml m



#23 Chlordane-1

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 118586434
Conc: 501.72 ng/ml



#24 Chlordane-2

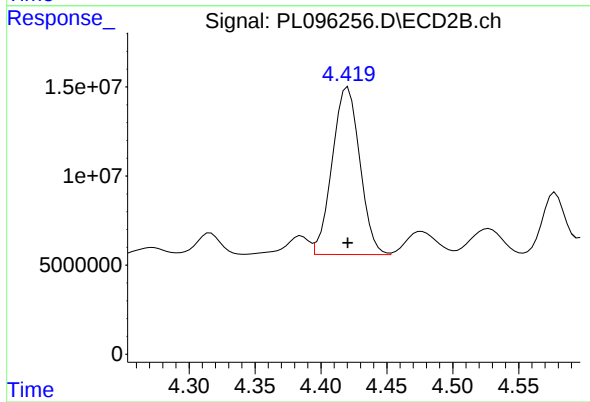
R.T.: 5.216 min
Delta R.T.: 0.000 min
Response: 97490875
Conc: 497.96 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

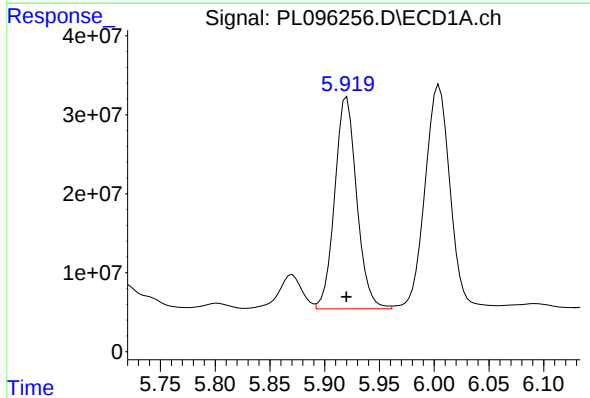
Manual Integrations
APPROVED

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



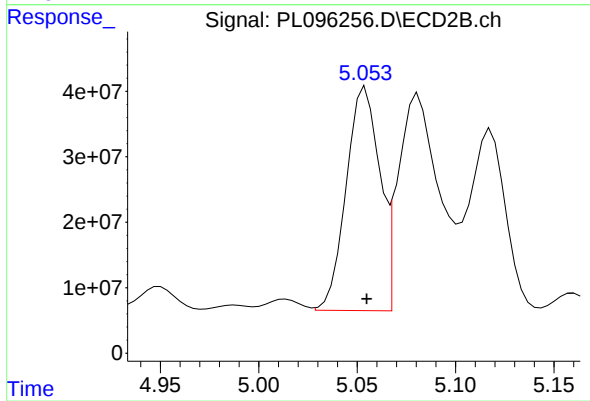
#24 Chlordane-2

R.T.: 4.420 min
Delta R.T.: 0.000 min
Response: 136873420
Conc: 497.99 ng/ml



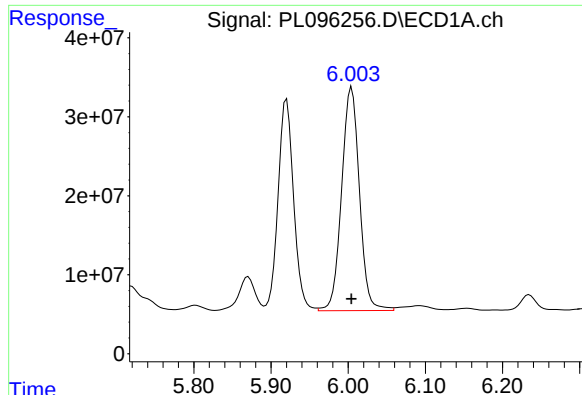
#25 Chlordane-3

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 374257198
Conc: 507.98 ng/ml



#25 Chlordane-3

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 402446459
Conc: 500.22 ng/ml



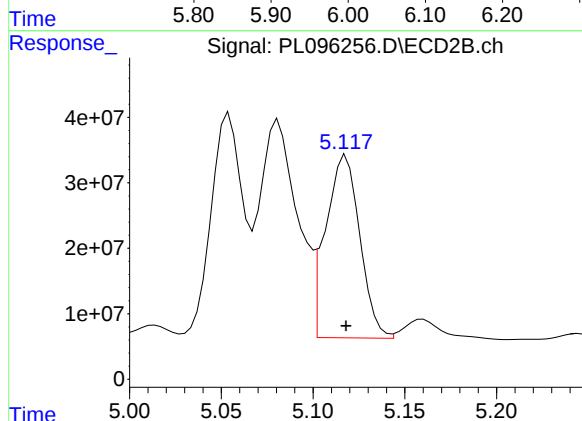
#26 Chlordane-4

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 453068392
Conc: 504.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

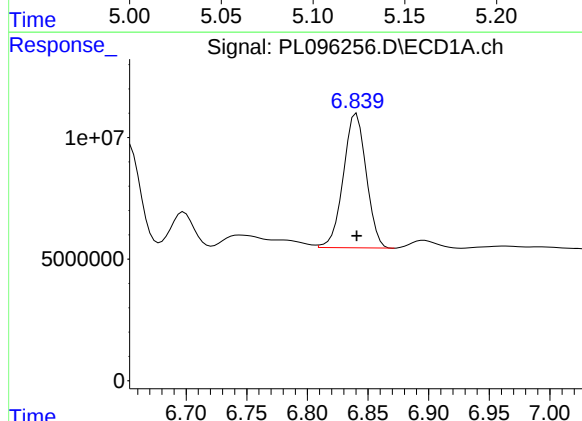
Manual Integrations
APPROVED

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



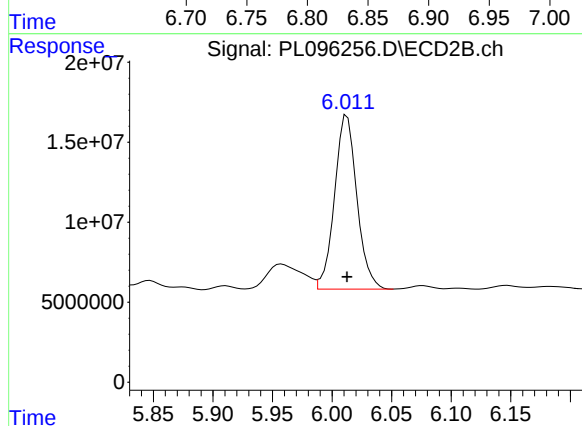
#26 Chlordane-4

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 361599000
Conc: 481.22 ng/ml



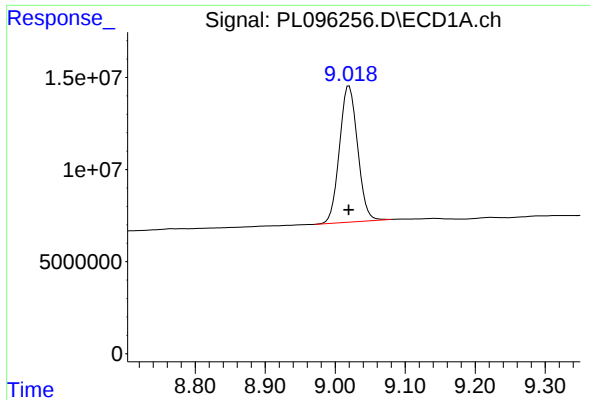
#27 Chlordane-5

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 72507096
Conc: 480.38 ng/ml



#27 Chlordane-5

R.T.: 6.013 min
Delta R.T.: 0.000 min
Response: 142166506
Conc: 501.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 132789267
Conc: 44.67 ng/ml

Instrument :

ECD_L

ClientSampleId :

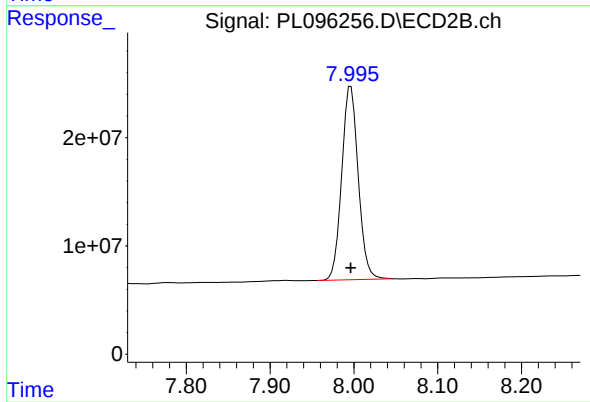
ICVPL070725

Manual Integrations

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Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 244646399
Conc: 47.57 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
 Data File : PL096257.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 14:47
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL070725

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 07 15:06:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:04:17 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.829	190.0E6	297.8E6	49.637	49.308
7) SA Decachlor...	9.020	7.996	143.5E6	264.2E6	47.793	48.598
Target Compounds						
2) Toxaphene-1	6.214	5.076	14908027	19002844	468.749	518.590
3) Toxaphene-2	6.613	5.763	13480312	25791307	490.338	499.777
4) Toxaphene-3	7.027	6.042	61048763	26083355	499.748	494.140
5) Toxaphene-4	7.118	6.678	43785631	83941933	495.261	506.994
6) Toxaphene-5	7.896	7.117	31207180	51731048	500.409	496.894

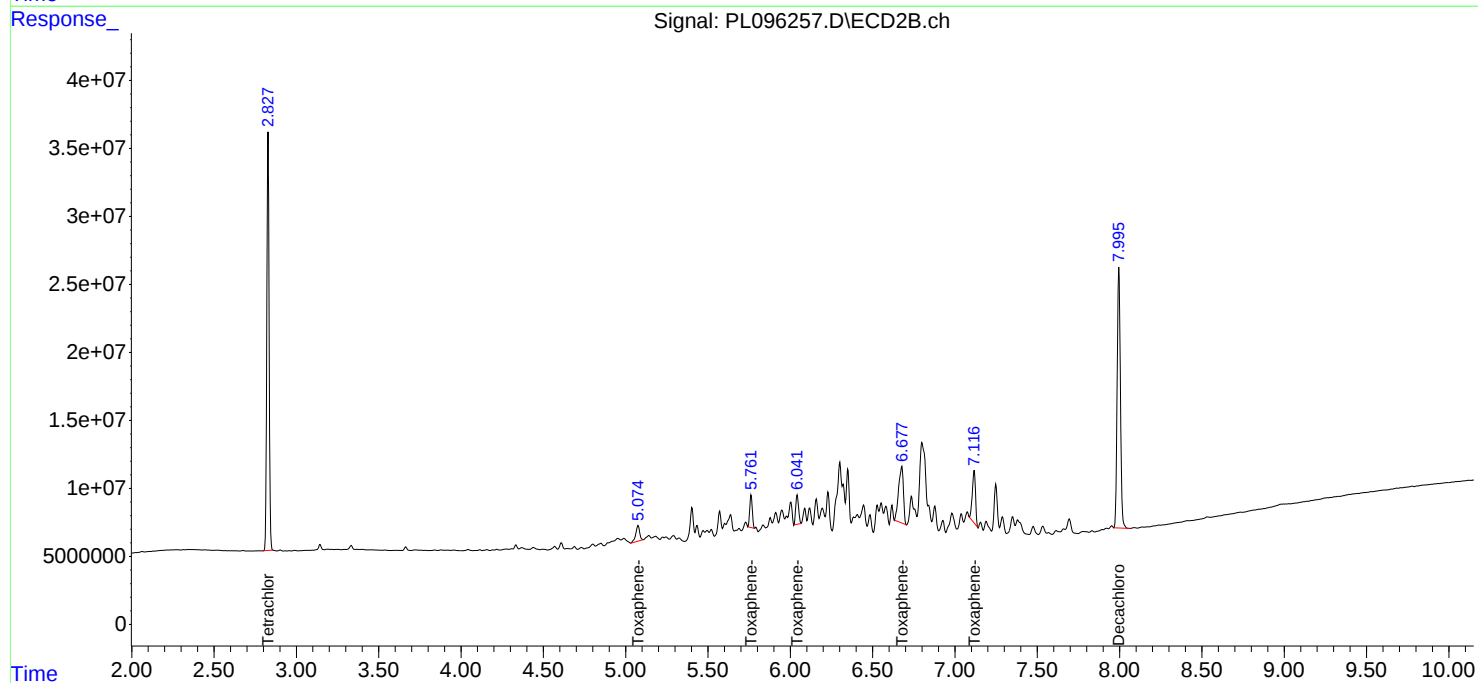
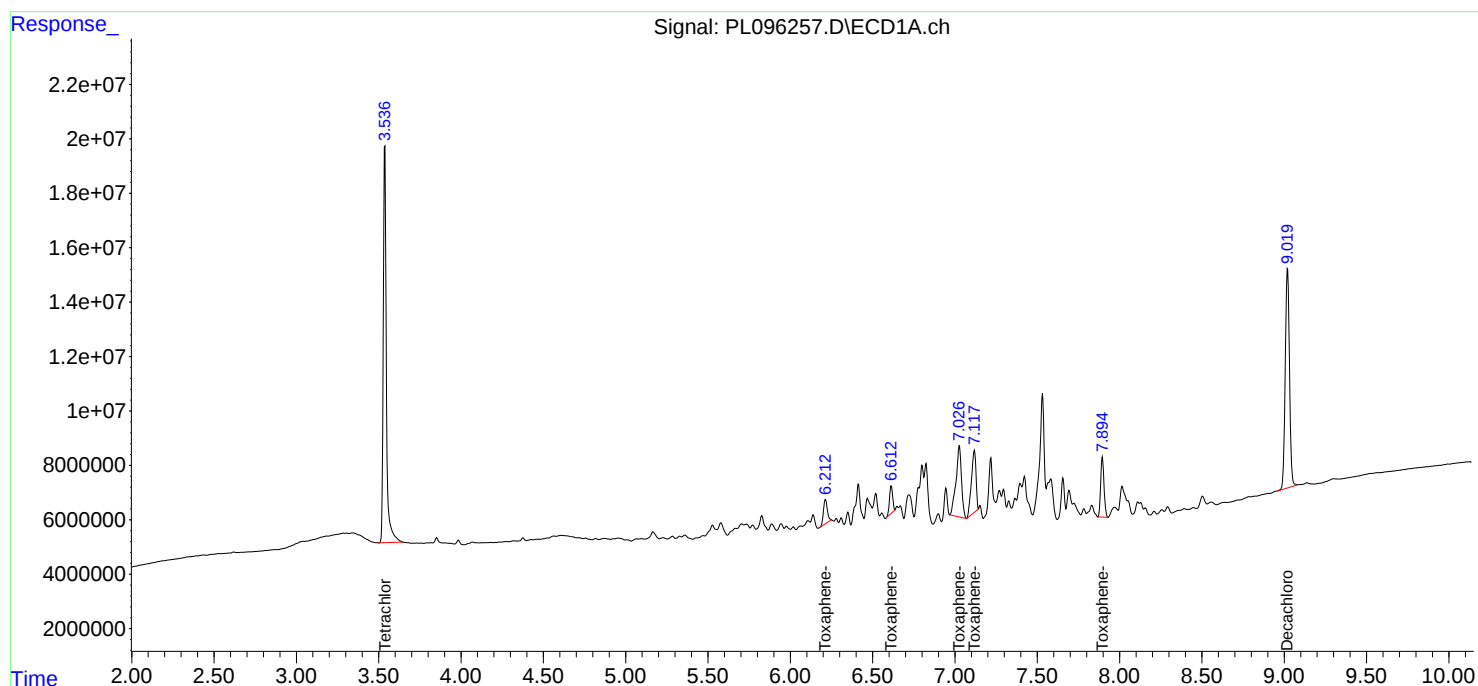
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

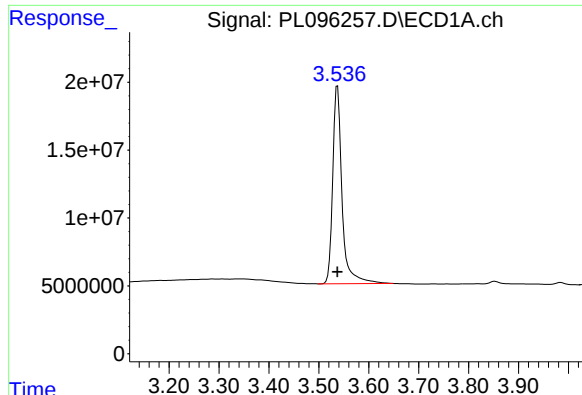
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:47
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:04:17 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

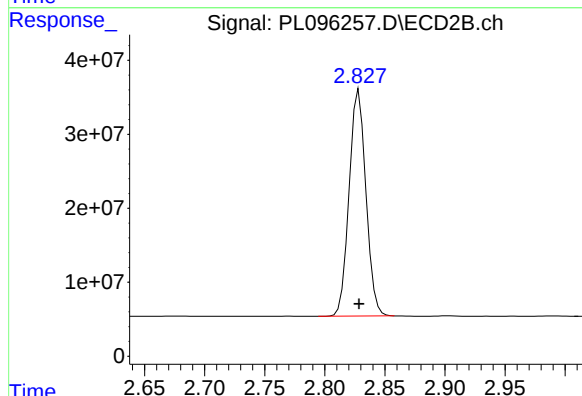




#1 Tetrachloro-m-xylene

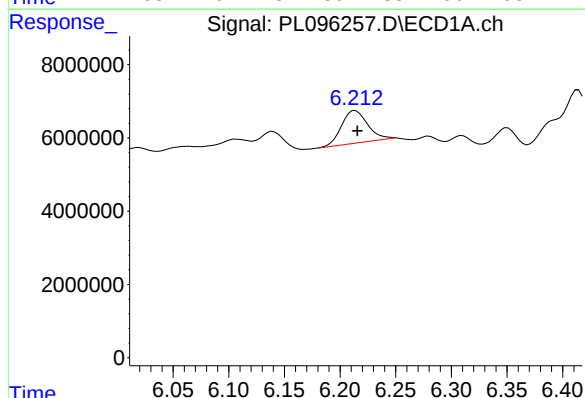
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 189988570
Conc: 49.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



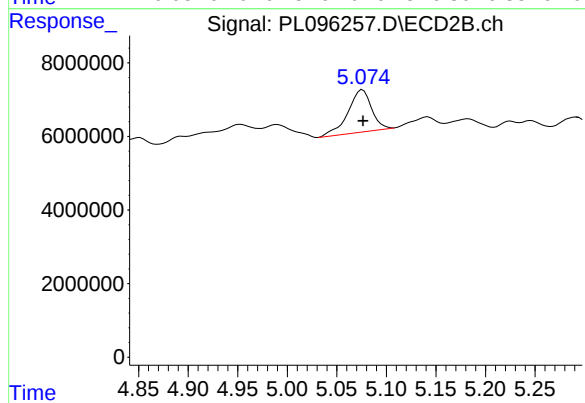
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 297803356
Conc: 49.31 ng/ml



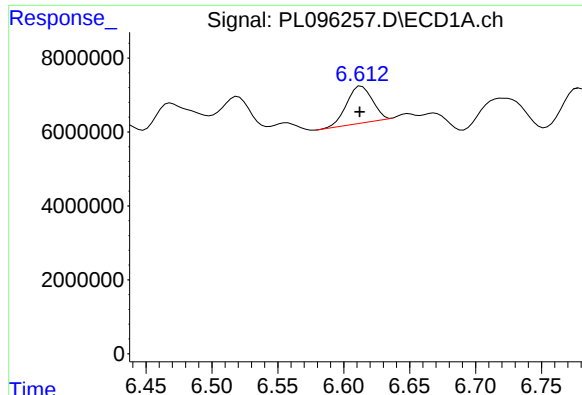
#2 Toxaphene-1

R.T.: 6.214 min
Delta R.T.: -0.002 min
Response: 14908027
Conc: 468.75 ng/ml



#2 Toxaphene-1

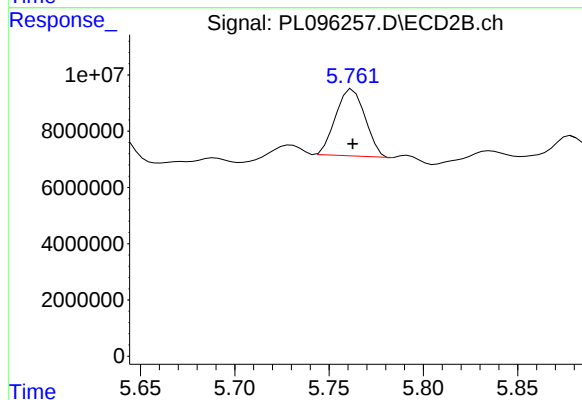
R.T.: 5.076 min
Delta R.T.: 0.000 min
Response: 19002844
Conc: 518.59 ng/ml



#3 Toxaphene-2

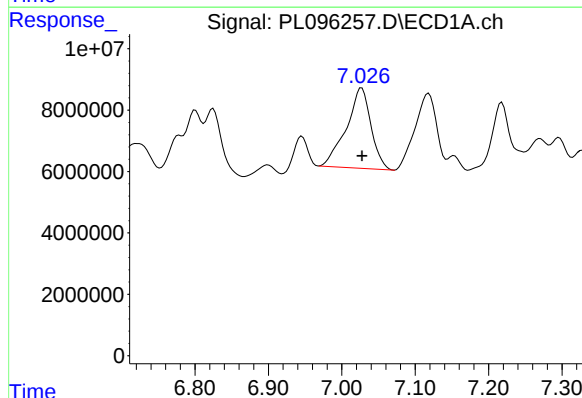
R.T.: 6.613 min
Delta R.T.: 0.001 min
Response: 13480312
Conc: 490.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



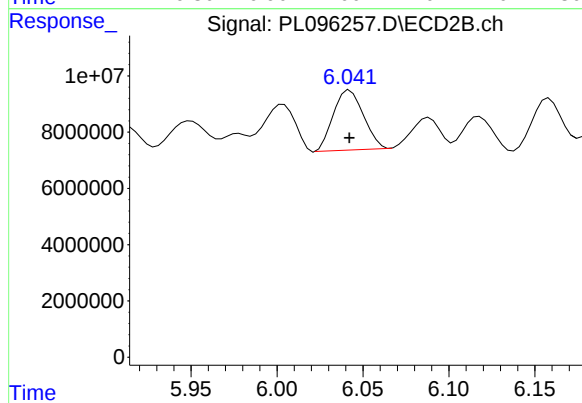
#3 Toxaphene-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 25791307
Conc: 499.78 ng/ml



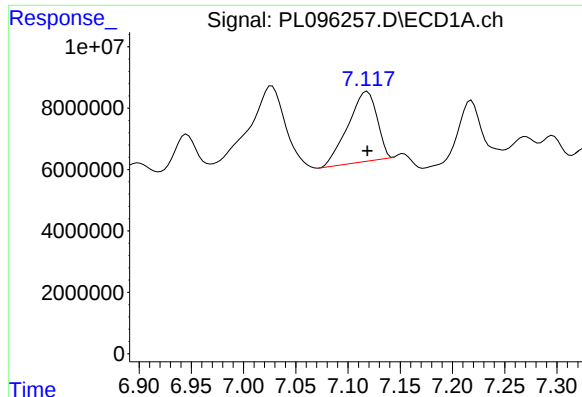
#4 Toxaphene-3

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 61048763
Conc: 499.75 ng/ml



#4 Toxaphene-3

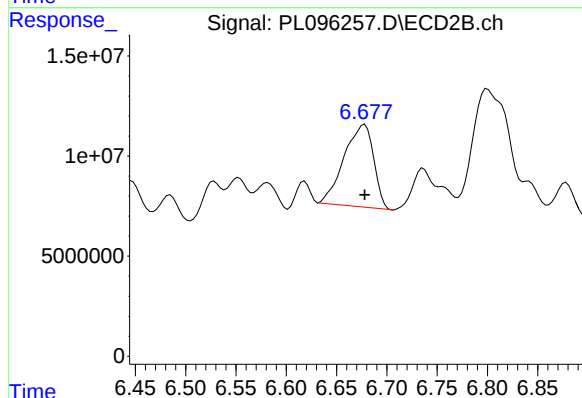
R.T.: 6.042 min
Delta R.T.: 0.000 min
Response: 26083355
Conc: 494.14 ng/ml



#5 Toxaphene-4

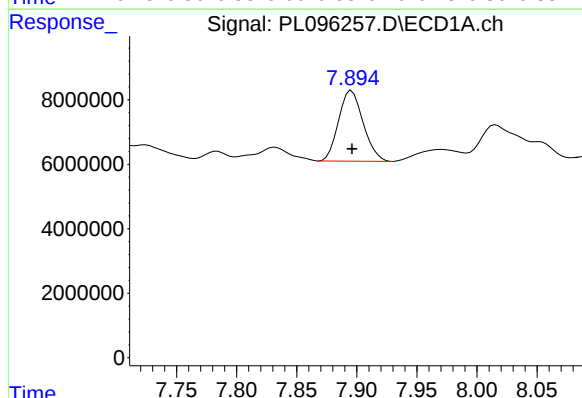
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 43785631
Conc: 495.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



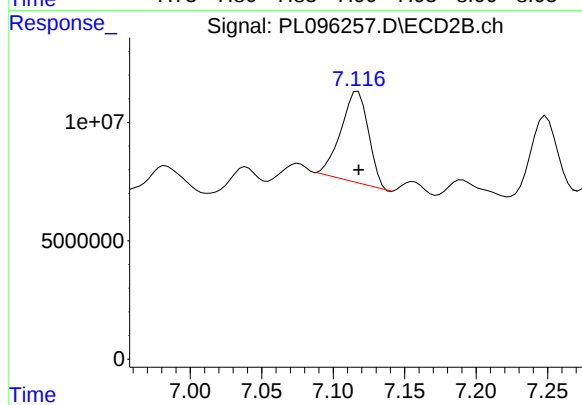
#5 Toxaphene-4

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 83941933
Conc: 506.99 ng/ml



#6 Toxaphene-5

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 31207180
Conc: 500.41 ng/ml



#6 Toxaphene-5

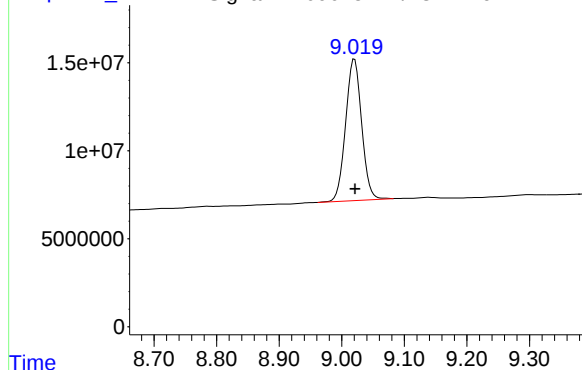
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 51731048
Conc: 496.89 ng/ml

Response_

Signal: PL096257.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 143503624
Conc: 47.79 ng/ml

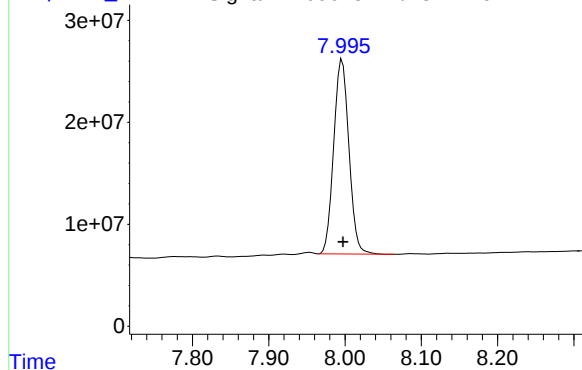
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Time

Response_

Signal: PL096257.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 7.996 min
Delta R.T.: -0.001 min
Response: 264239972
Conc: 48.60 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

07/07/2025

Continuing Calib Time: 09:07

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	4.91	4.91	4.81	5.01	0.00
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endrin	6.55	6.55	6.45	6.65	0.00
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: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

Continuing Calib Time: 09:07

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



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096443.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.017	8.920	9.120	47.180	50.000	-5.6
Endrin	6.545	6.445	6.645	55.790	50.000	11.6
gamma-BHC (Lindane)	4.313	4.213	4.413	54.690	50.000	9.4
Heptachlor	4.905	4.806	5.006	53.350	50.000	6.7
Heptachlor epoxide	5.664	5.565	5.765	55.500	50.000	11.0
Methoxychlor	7.464	7.364	7.564	51.360	50.000	2.7
Tetrachloro-m-xylene	3.536	3.438	3.638	53.670	50.000	7.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096443.D **Time Analyzed:** 09:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	48.860	50.000	-2.3
Endrin	5.710	5.612	5.812	54.570	50.000	9.1
gamma-BHC (Lindane)	3.666	3.567	3.767	57.380	50.000	14.8
Heptachlor	4.015	3.917	4.117	56.880	50.000	13.8
Heptachlor epoxide	4.800	4.702	4.902	55.240	50.000	10.5
Methoxychlor	6.682	6.584	6.784	51.220	50.000	2.4
Tetrachloro-m-xylene	2.828	2.729	2.929	56.320	50.000	12.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096443.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 09:07
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:22:05 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	195.9E6	325.1E6	53.674	56.323
28)	SA Decachlor...	9.017	7.993	132.7E6	243.6E6	47.178	48.857
Target Compounds							
2)	A alpha-BHC	3.984	3.334	283.4E6	490.3E6	55.101	58.130
3)	MA gamma-BHC...	4.313	3.666	272.3E6	451.9E6	54.692	57.383
4)	MA Heptachlor	4.905	4.015	244.4E6	432.7E6	53.347	56.880
5)	MB Aldrin	5.245	4.298	255.4E6	414.8E6	52.829	56.851
6)	B beta-BHC	4.499	3.962	114.0E6	191.7E6	54.833	55.995
7)	B delta-BHC	4.745	4.195	253.9E6	443.1E6	56.657	57.529
8)	B Heptachlo...	5.664	4.800	230.3E6	369.2E6	55.495	55.235
9)	A Endosulfan I	6.046	5.170	211.5E6	341.3E6	52.381	47.573
10)	B gamma-Chl...	5.918	5.052	233.1E6	389.4E6	52.689	55.476
11)	B alpha-Chl...	5.998	5.116	230.0E6	379.1E6	52.520	50.411
12)	B 4,4'-DDE	6.168	5.304	195.3E6	356.7E6	52.681	55.193
13)	MA Dieldrin	6.318	5.435	221.9E6	375.8E6	52.489	55.114
14)	MA Endrin	6.545	5.710	173.5E6	332.7E6	55.788	54.570
15)	B Endosulfa...	6.757	6.001	192.6E6	318.5E6	55.517	54.323
16)	A 4,4'-DDD	6.677	5.857	157.7E6	298.4E6	54.171	58.176
17)	MA 4,4'-DDT	6.991	6.110	159.7E6	297.4E6	52.613	51.850
18)	B Endrin al...	6.884	6.180	132.1E6	240.0E6	59.082m	53.874
19)	B Endosulfa...	7.119	6.403	161.4E6	311.0E6	52.767	55.299
20)	A Methoxychlor	7.464	6.682	80913584	155.6E6	51.361	51.224
21)	B Endrin ke...	7.599	6.907	169.1E6	340.9E6	51.229	54.525
22)	Mirex	8.079	7.098	138.2E6	257.2E6	49.669	51.765

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 09:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

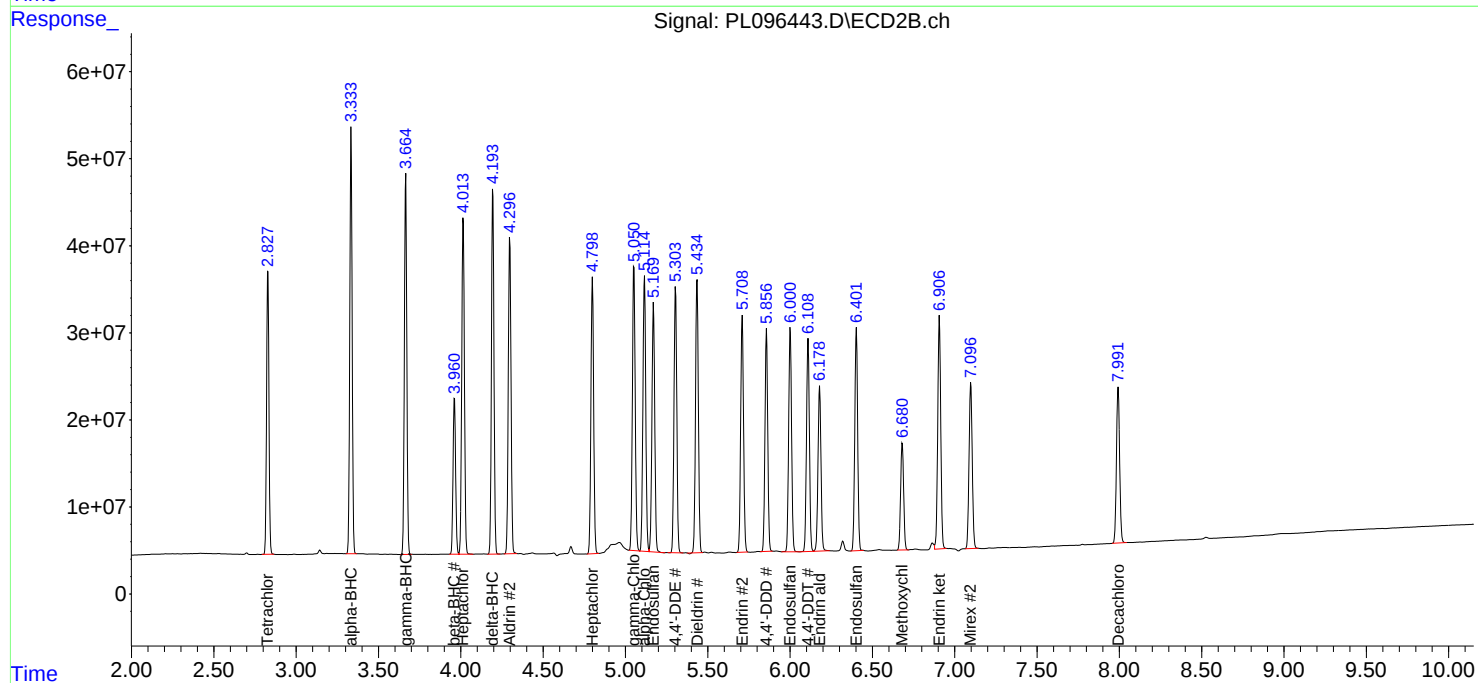
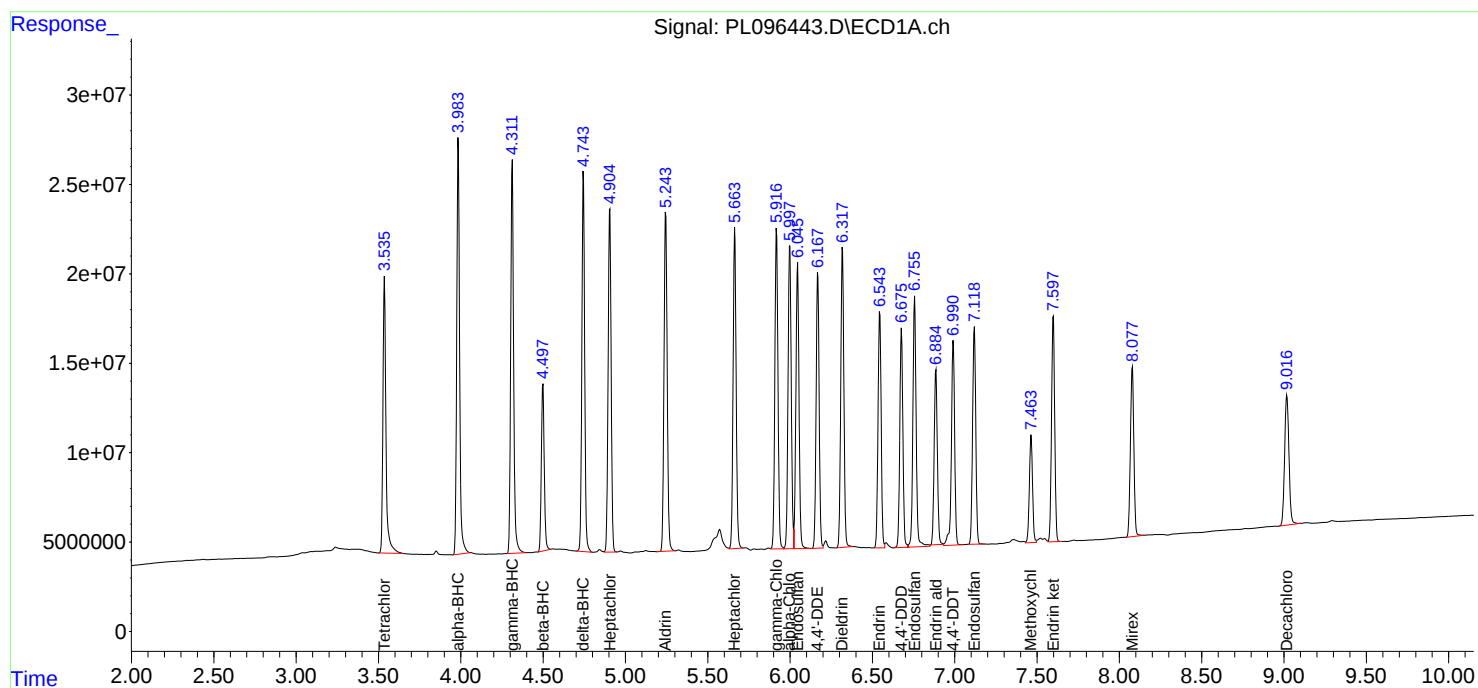
APPROVED

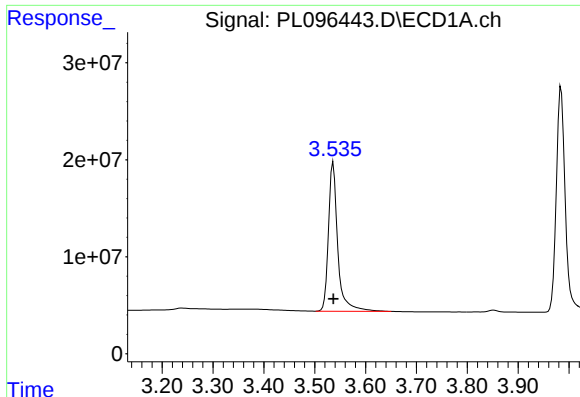
Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:05 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: 195854177
Conc: 53.67 ng/ml

Instrument :

ECD_L

ClientSampleId :

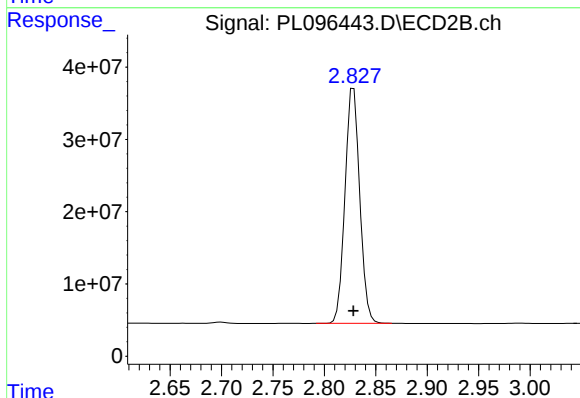
PSTDCCC050

Manual Integrations

APPROVED

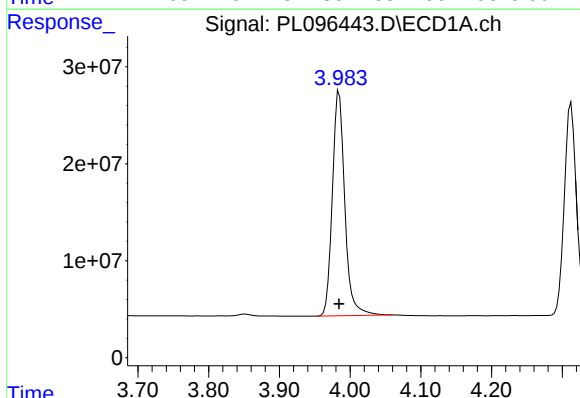
Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025



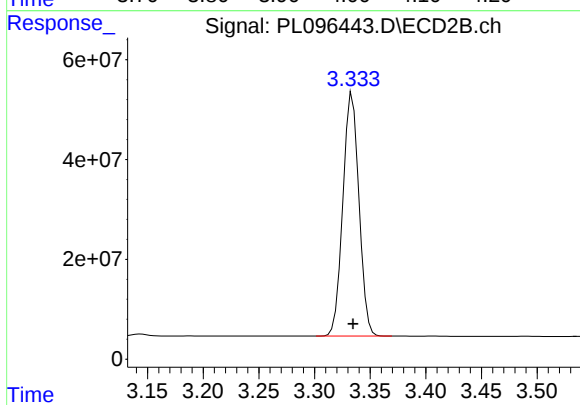
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 325052709
Conc: 56.32 ng/ml



#2 alpha-BHC

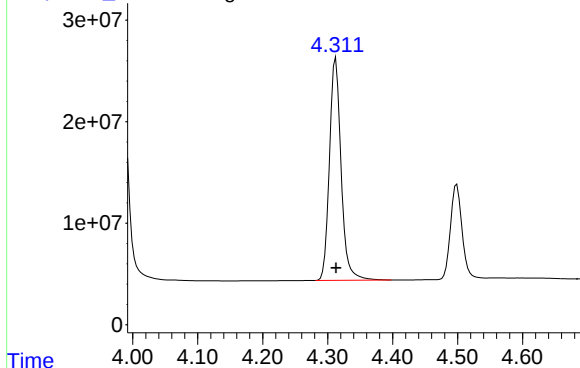
R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 283392869
Conc: 55.10 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 490286700
Conc: 58.13 ng/ml

Response_ Signal: PL096443.D\ECD1A.ch



#3 gamma-BHC (Lindane)

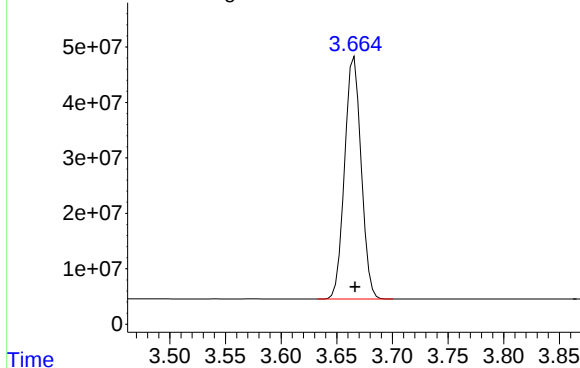
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 272347476
Conc: 54.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

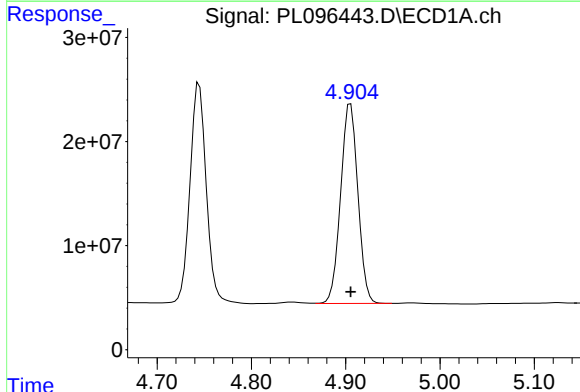
Response_ Signal: PL096443.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 451940143
Conc: 57.38 ng/ml

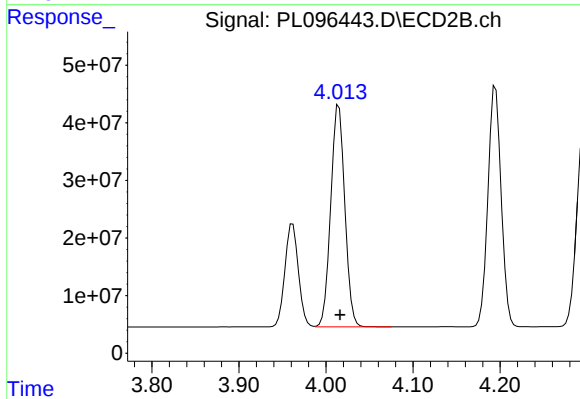
Response_ Signal: PL096443.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 244393434
Conc: 53.35 ng/ml

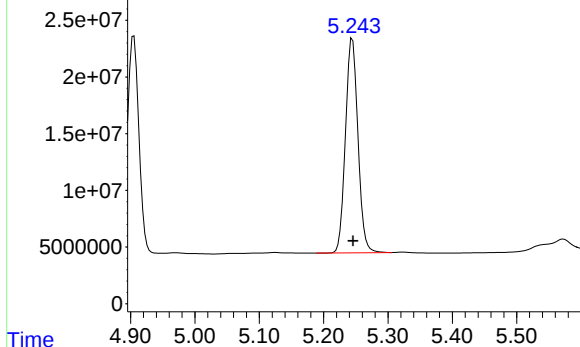
Response_ Signal: PL096443.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 432731739
Conc: 56.88 ng/ml

Response_ Signal: PL096443.D\ECD1A.ch



#5 Aldrin

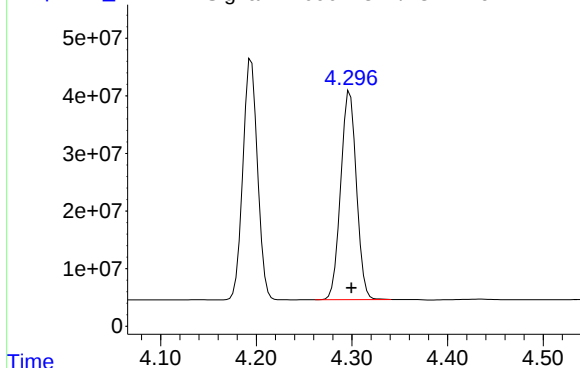
R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 255361707
Conc: 52.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

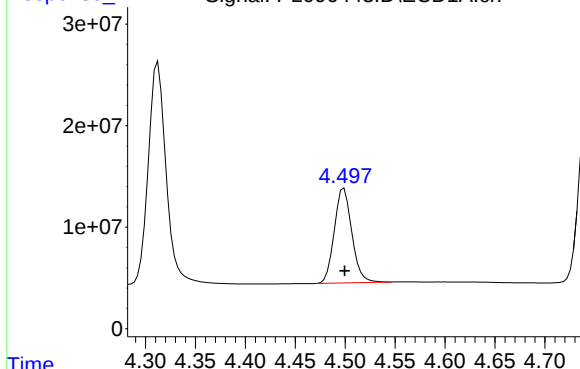
Response_ Signal: PL096443.D\ECD2B.ch



#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 414762657
Conc: 56.85 ng/ml

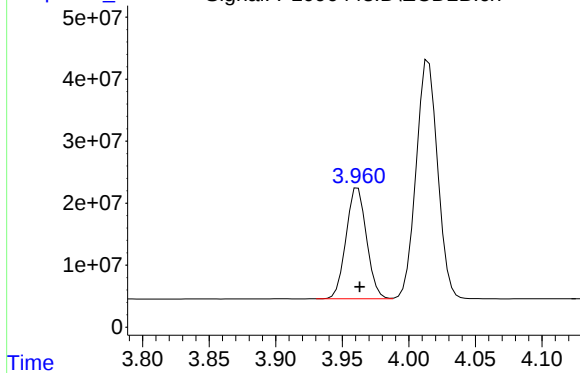
Response_ Signal: PL096443.D\ECD1A.ch



#6 beta-BHC

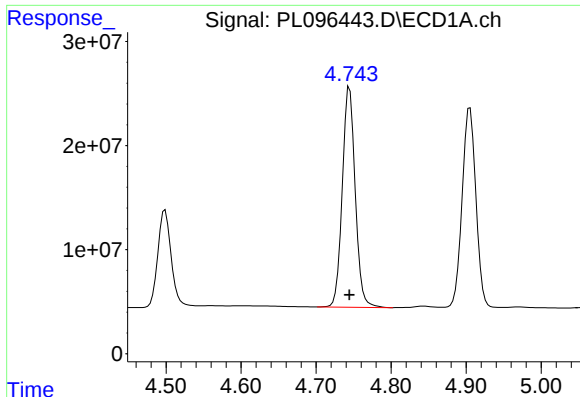
R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 113985761
Conc: 54.83 ng/ml

Response_ Signal: PL096443.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 191723255
Conc: 56.00 ng/ml



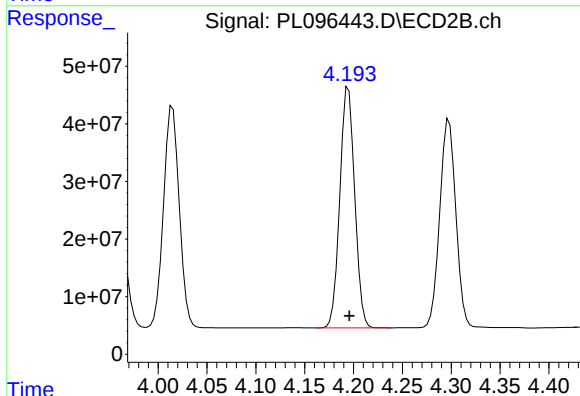
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 253898885
Conc: 56.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

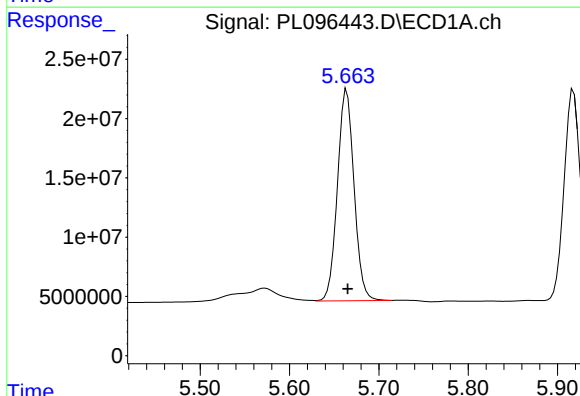
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



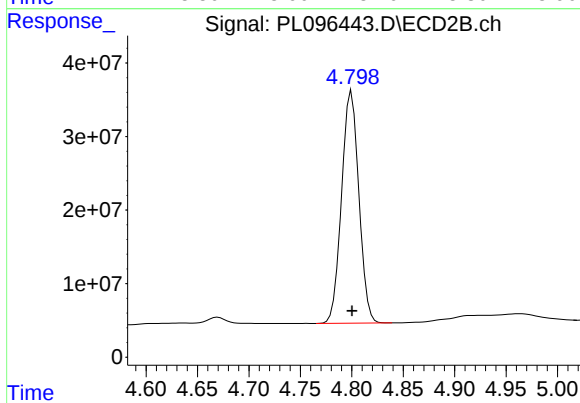
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 443082911
Conc: 57.53 ng/ml



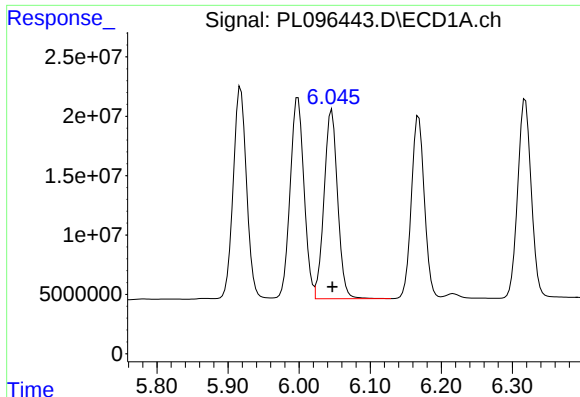
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 230258830
Conc: 55.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 369243221
Conc: 55.24 ng/ml



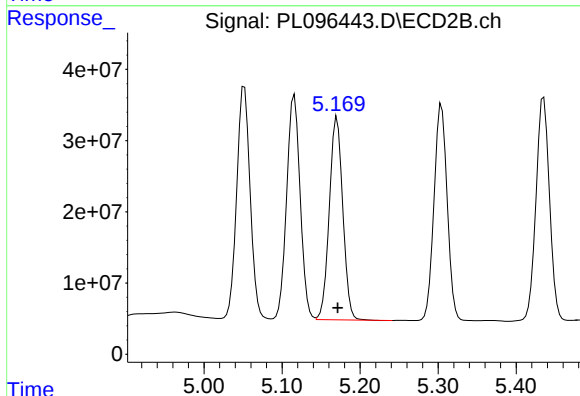
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 211477004
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

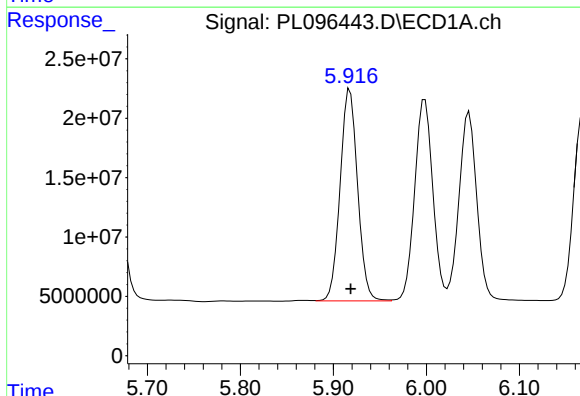
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



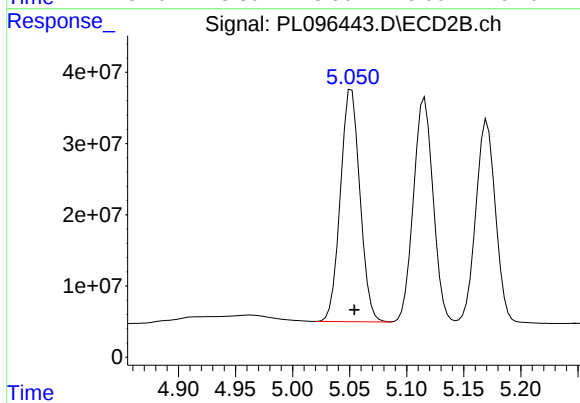
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 341293480
Conc: 47.57 ng/ml



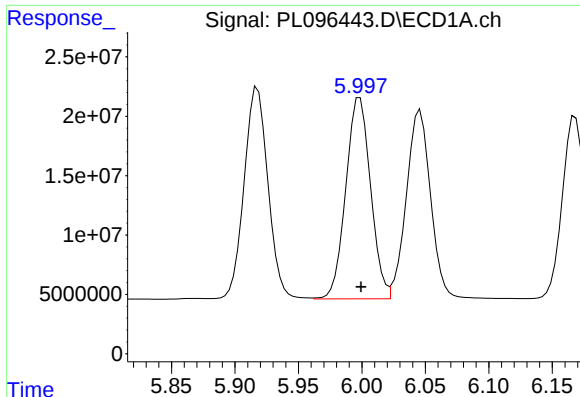
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 233136971
Conc: 52.69 ng/ml



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 389422149
Conc: 55.48 ng/ml



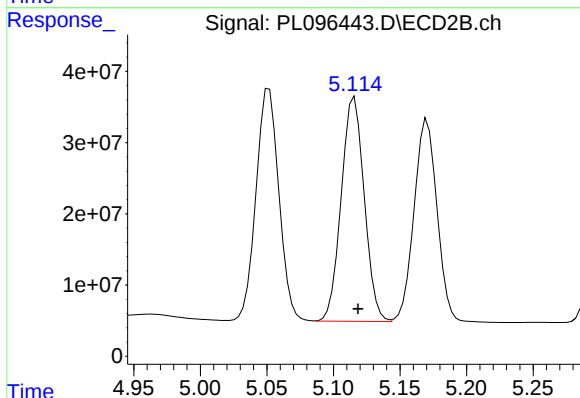
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 229977095
Conc: 52.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

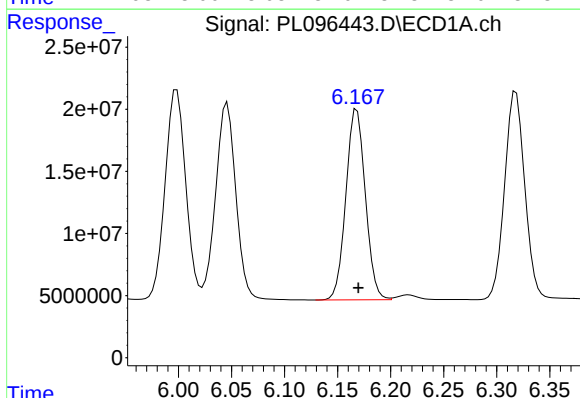
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



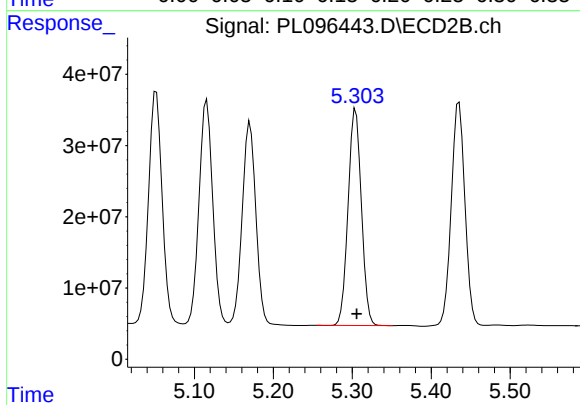
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 379098626
Conc: 50.41 ng/ml



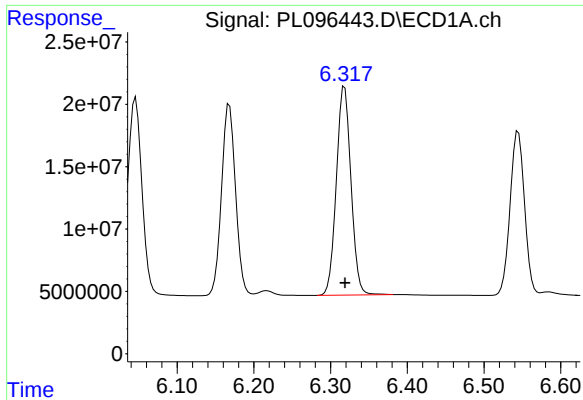
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 195314089
Conc: 52.68 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 356749210
Conc: 55.19 ng/ml



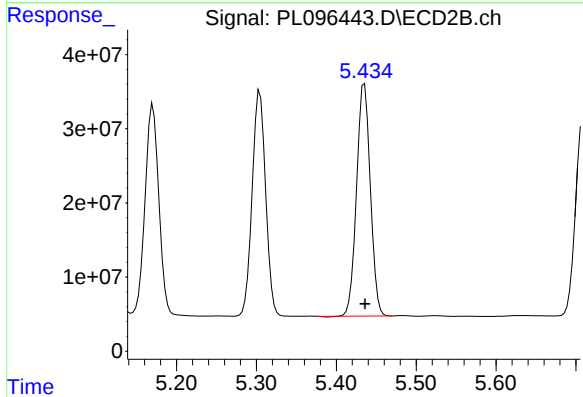
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 221945268
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

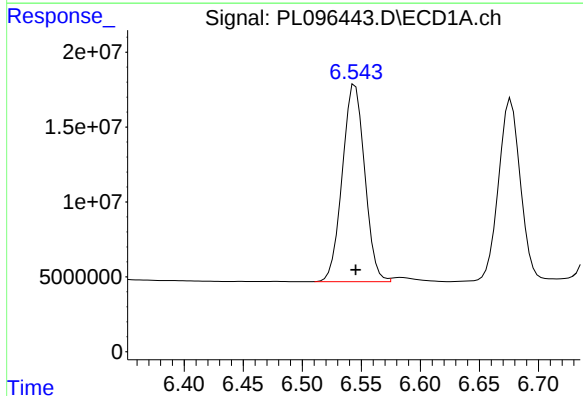
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



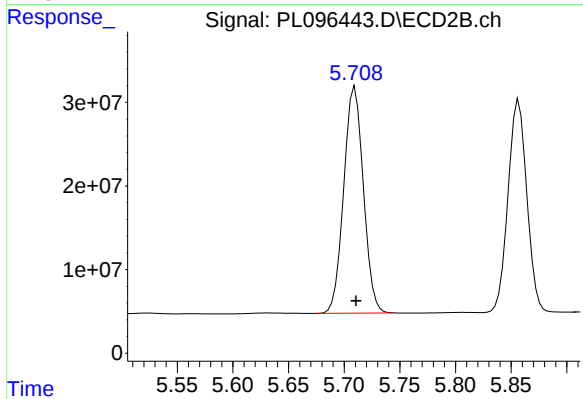
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 375834803
Conc: 55.11 ng/ml



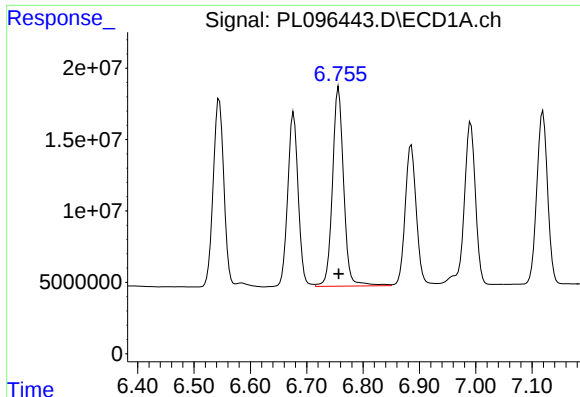
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 173512646
Conc: 55.79 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: -0.001 min
Response: 332684333
Conc: 54.57 ng/ml



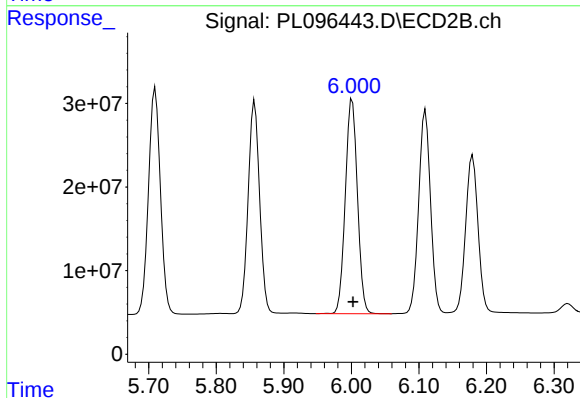
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 192645371
Conc: 55.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

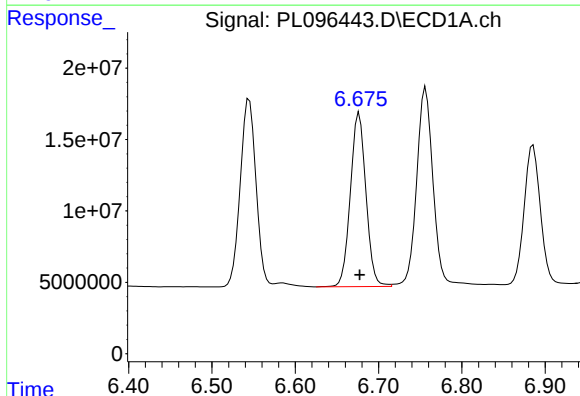
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



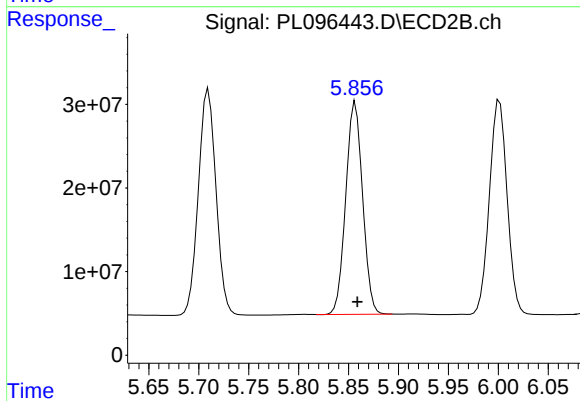
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 318544126
Conc: 54.32 ng/ml



#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 157729636
Conc: 54.17 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 298365476
Conc: 58.18 ng/ml

Response_ Signal: PL096443.D\ECD1A.ch

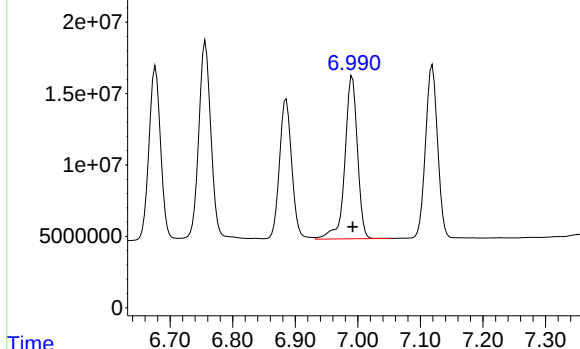
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 159691762
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

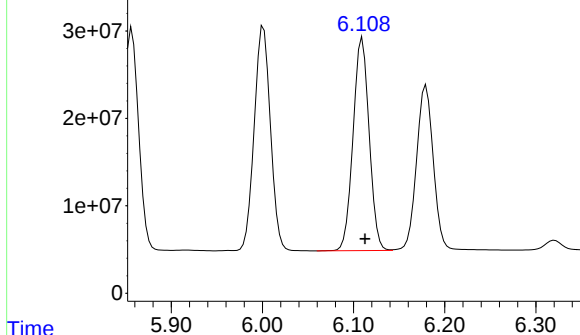
Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



Response_ Signal: PL096443.D\ECD2B.ch

#17 4,4'-DDT

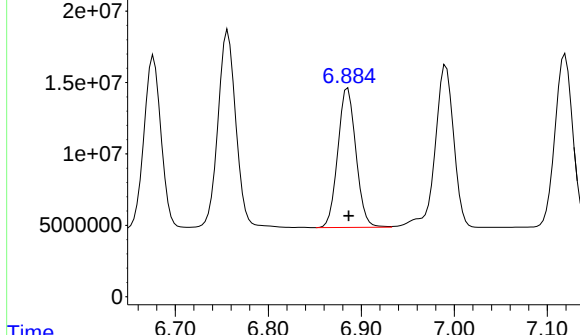
R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 297364916
Conc: 51.85 ng/ml



Response_ Signal: PL096443.D\ECD1A.ch

#18 Endrin aldehyde

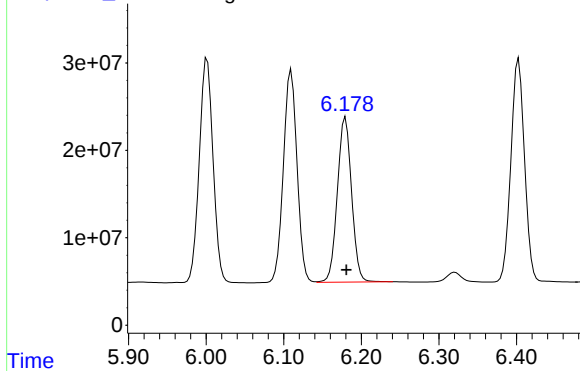
R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 132080938
Conc: 59.08 ng/ml m

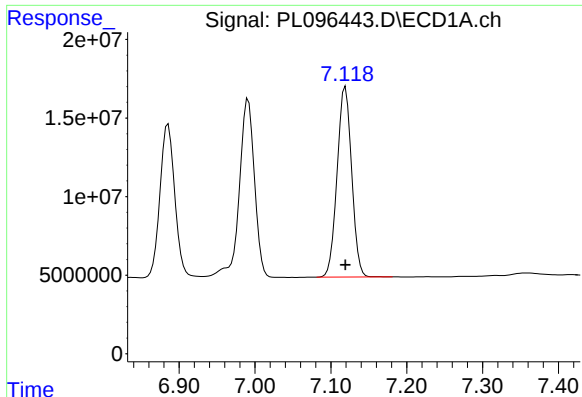


Response_ Signal: PL096443.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 239987643
Conc: 53.87 ng/ml





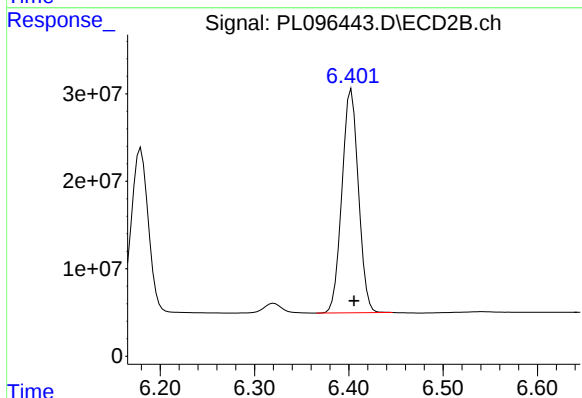
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 161405305
Conc: 52.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

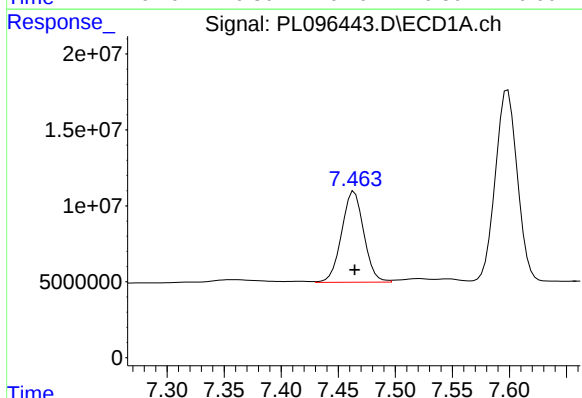
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



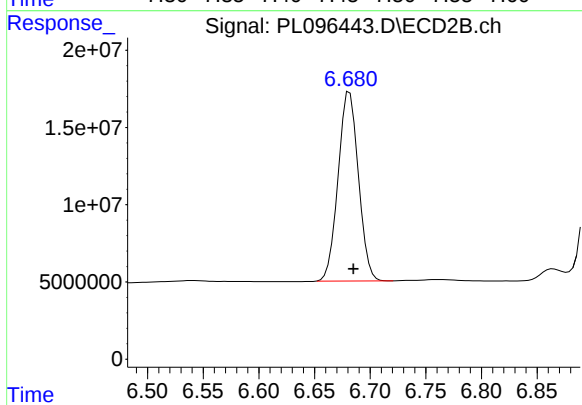
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 311022956
Conc: 55.30 ng/ml



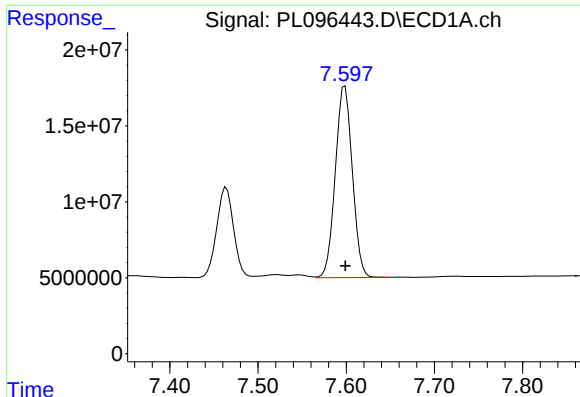
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 80913584
Conc: 51.36 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 155605474
Conc: 51.22 ng/ml



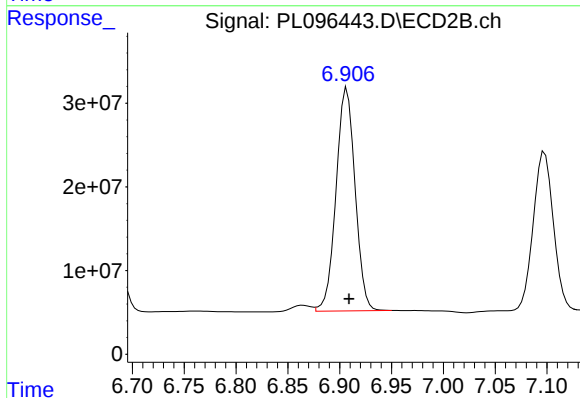
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 169137813
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

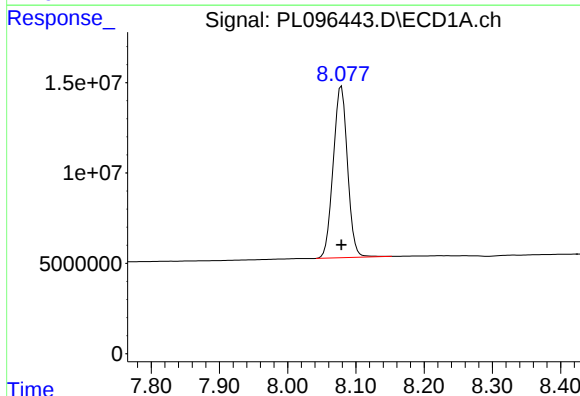
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



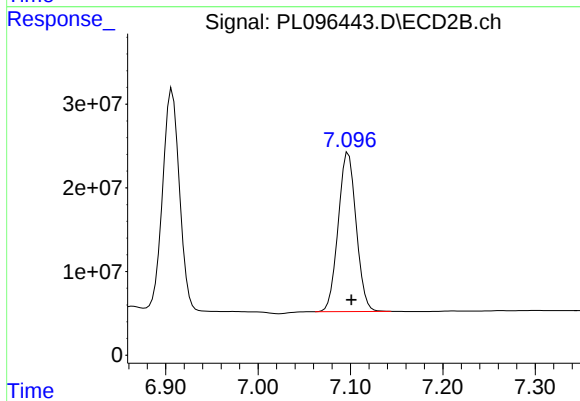
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 340900933
Conc: 54.52 ng/ml



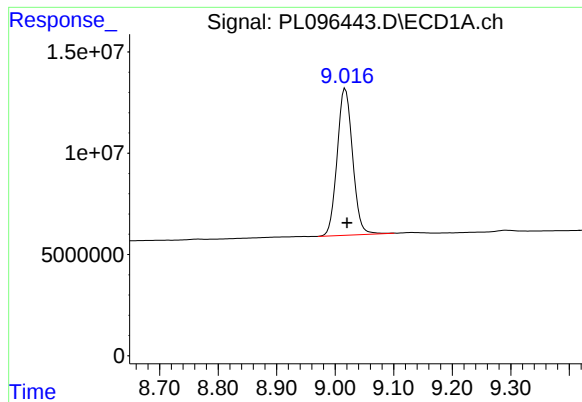
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 138189295
Conc: 49.67 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 257178352
Conc: 51.77 ng/ml



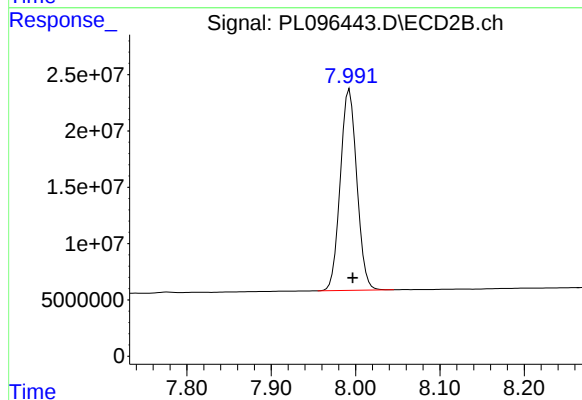
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: -0.003 min
Response: 132713637
Conc: 47.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 243627131
Conc: 48.86 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

Continuing Calib Time: 11:48

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

07/07/2025

Continuing Calib Time: 11:48

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	0.01
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:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096453.D **Time Analyzed:** 11:48

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.018	8.920	9.120	46.650	50.000	-6.7
Endrin	6.544	6.445	6.645	54.890	50.000	9.8
gamma-BHC (Lindane)	4.312	4.213	4.413	53.830	50.000	7.7
Heptachlor	4.904	4.806	5.006	53.120	50.000	6.2
Heptachlor epoxide	5.663	5.565	5.765	54.380	50.000	8.8
Methoxychlor	7.463	7.364	7.564	49.480	50.000	-1.0
Tetrachloro-m-xylene	3.536	3.438	3.638	52.660	50.000	5.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096453.D **Time Analyzed:** 11:48

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.992	7.896	8.096	48.810	50.000	-2.4
Endrin	5.709	5.612	5.812	55.610	50.000	11.2
gamma-BHC (Lindane)	3.665	3.567	3.767	56.110	50.000	12.2
Heptachlor	4.015	3.917	4.117	55.540	50.000	11.1
Heptachlor epoxide	4.799	4.702	4.902	54.370	50.000	8.7
Methoxychlor	6.681	6.584	6.784	50.050	50.000	0.1
Tetrachloro-m-xylene	2.828	2.729	2.929	55.020	50.000	10.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096453.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 11:48
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:23:41 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	192.2E6	317.5E6	52.661	55.022
2)	SA Decachlor...	9.018	7.992	131.2E6	243.4E6	46.647	48.810
Target Compounds							
2)	A alpha-BHC	3.984	3.334	279.3E6	479.2E6	54.314	56.810
3)	MA gamma-BHC...	4.312	3.665	268.0E6	441.9E6	53.826	56.107
4)	MA Heptachlor	4.904	4.015	243.4E6	422.5E6	53.120	55.538
5)	MB Aldrin	5.244	4.298	251.0E6	406.4E6	51.926	55.711
6)	B beta-BHC	4.498	3.962	111.9E6	187.9E6	53.825	54.878
7)	B delta-BHC	4.744	4.195	250.3E6	435.4E6	55.855	56.536
8)	B Heptachlo...	5.663	4.799	225.6E6	363.5E6	54.376	54.375
9)	A Endosulfan I	6.045	5.170	207.2E6	335.3E6	51.314	46.738
10)	B gamma-Chl...	5.917	5.051	229.2E6	383.3E6	51.789	54.598
11)	B alpha-Chl...	5.998	5.115	225.3E6	374.1E6	51.446	49.740
12)	B 4,4'-DDE	6.168	5.304	190.8E6	352.8E6	51.456	54.587
13)	MA Dieldrin	6.317	5.434	217.6E6	369.9E6	51.462	54.243
14)	MA Endrin	6.544	5.709	170.7E6	339.0E6	54.893	55.606
15)	B Endosulfa...	6.756	6.001	190.3E6	315.7E6	54.849	53.833
16)	A 4,4'-DDD	6.676	5.856	156.1E6	297.0E6	53.622	57.910
17)	MA 4,4'-DDT	6.990	6.109	156.0E6	290.3E6	51.403	50.617
18)	B Endrin al...	6.885	6.179	132.3E6	236.3E6	59.167	53.046
19)	B Endosulfa...	7.118	6.402	158.6E6	308.6E6	51.863	54.863
20)	A Methoxychlor	7.463	6.681	77955576	152.0E6	49.483	50.050
21)	B Endrin ke...	7.598	6.907	166.5E6	334.6E6	50.430	53.524
22)	Mirex	8.077	7.097	136.8E6	255.1E6	49.172	51.345

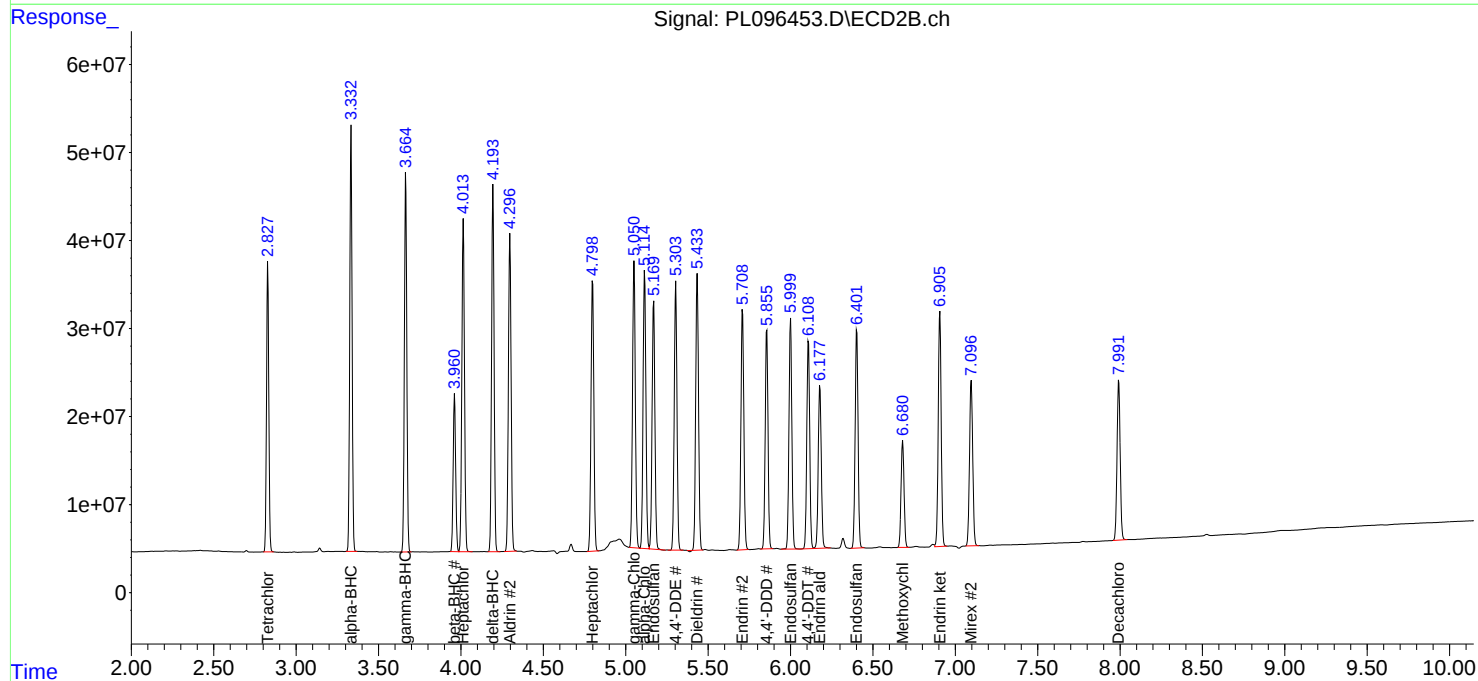
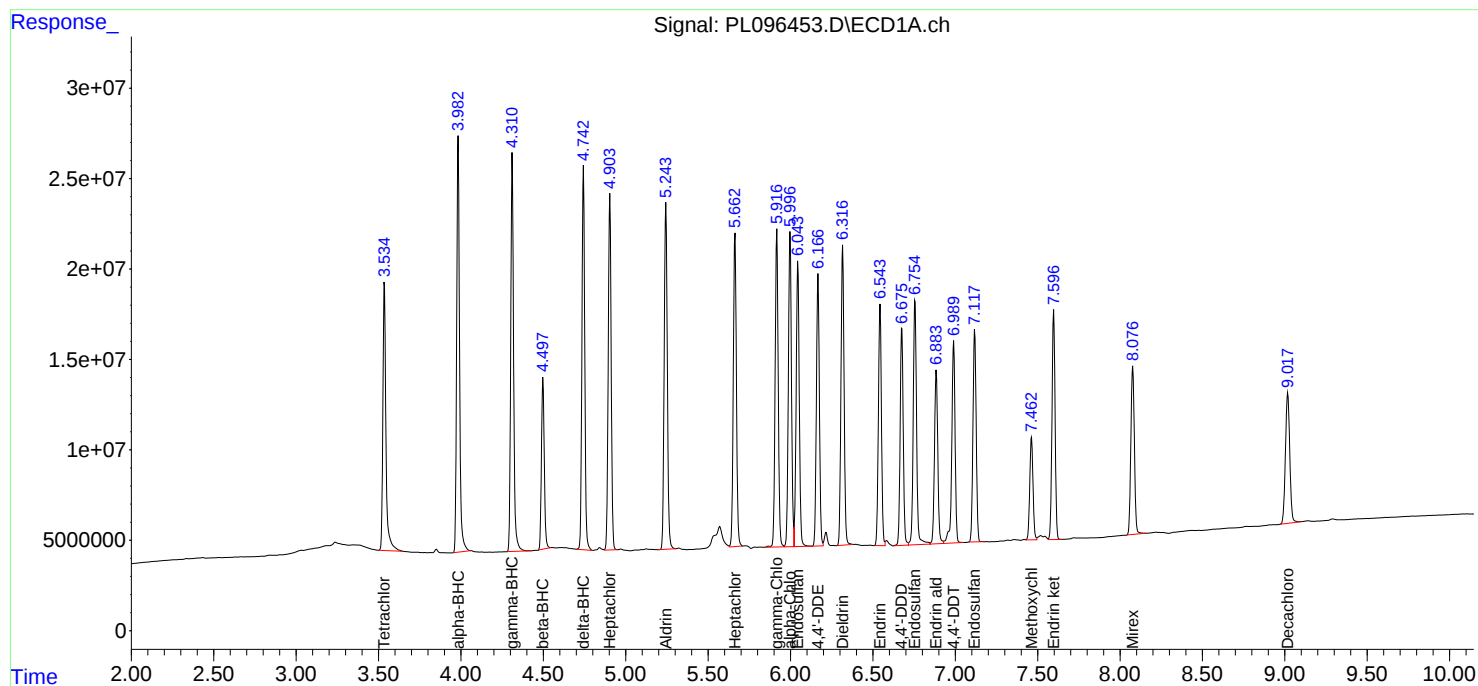
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

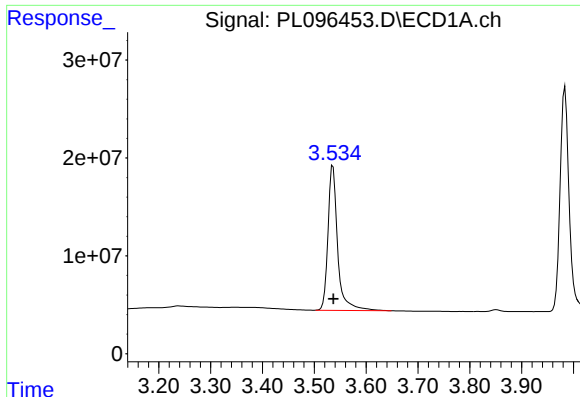
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 11:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:41 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

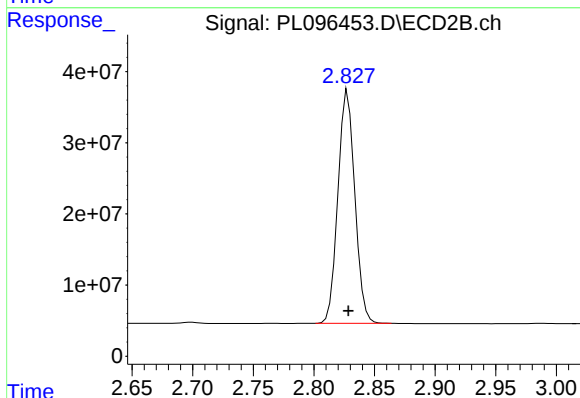




#1 Tetrachloro-m-xylene

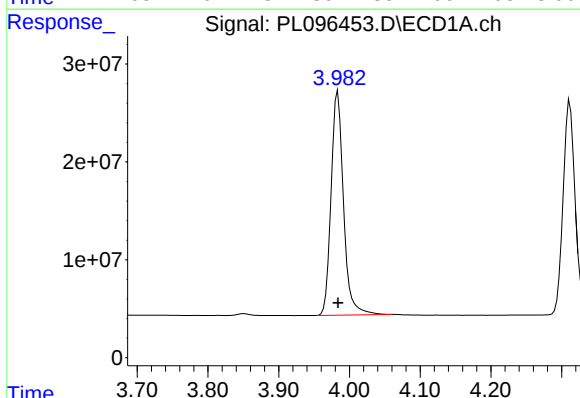
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 192158802
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



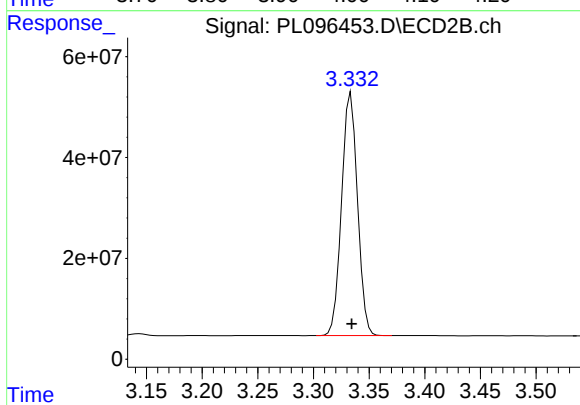
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 317545572
Conc: 55.02 ng/ml



#2 alpha-BHC

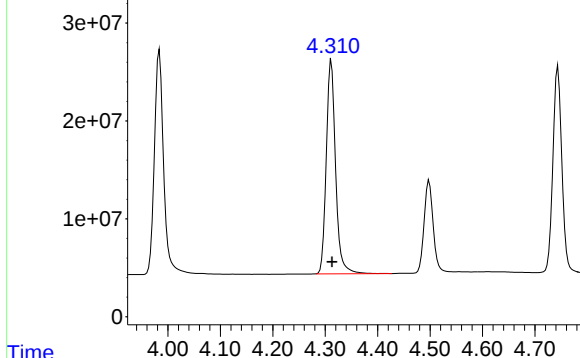
R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 279345752
Conc: 54.31 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 479155479
Conc: 56.81 ng/ml

Response_ Signal: PL096453.D\ECD1A.ch

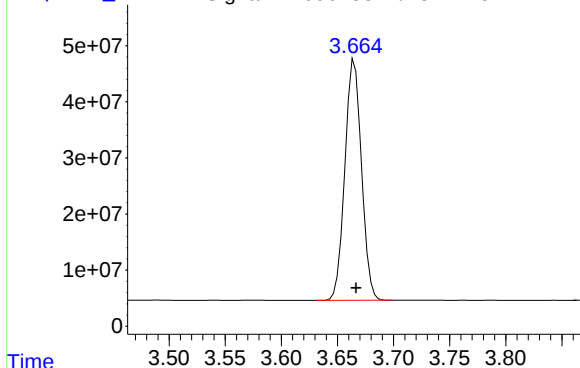


#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 268032113
Conc: 53.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

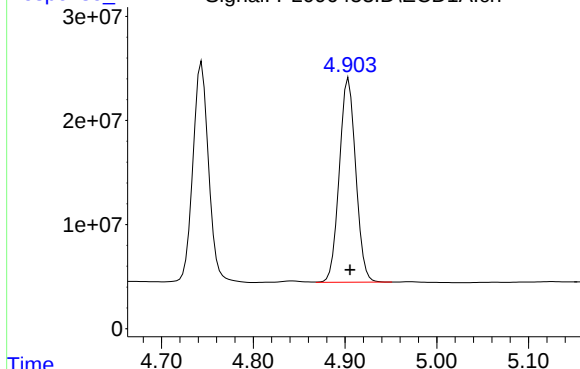
Time Response_ Signal: PL096453.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 441889571
Conc: 56.11 ng/ml

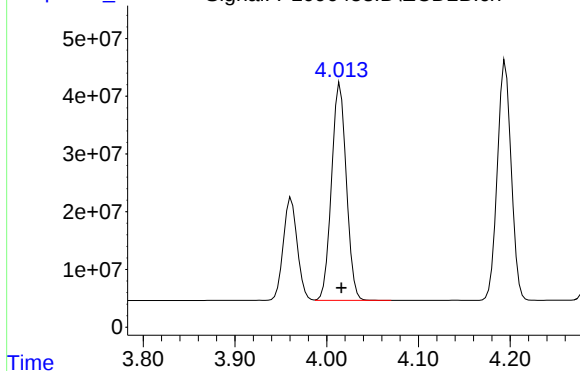
Time Response_ Signal: PL096453.D\ECD1A.ch



#4 Heptachlor

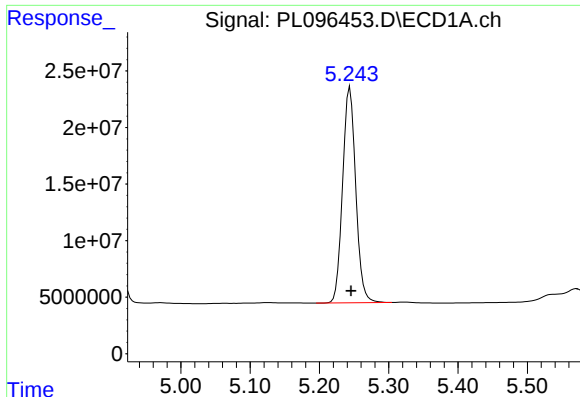
R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 243355298
Conc: 53.12 ng/ml

Time Response_ Signal: PL096453.D\ECD2B.ch



#4 Heptachlor

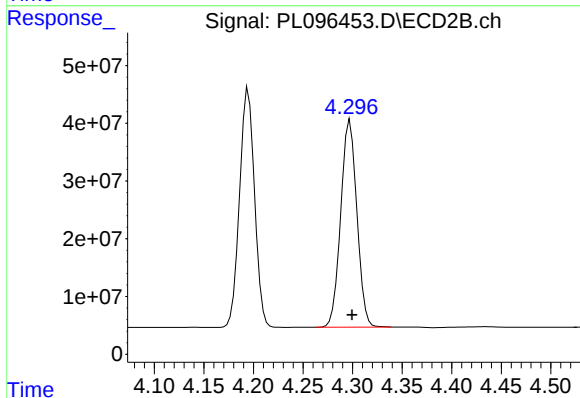
R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 422517920
Conc: 55.54 ng/ml



#5 Aldrin

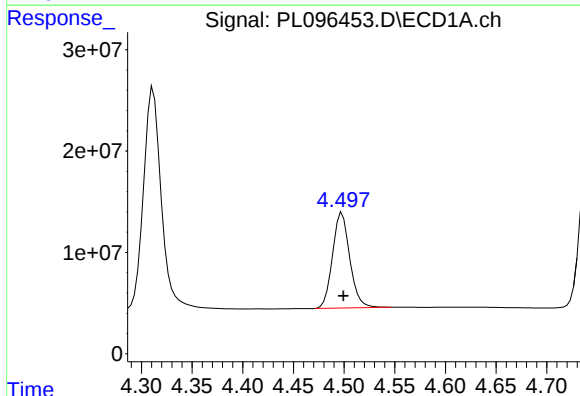
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 250997751
Conc: 51.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



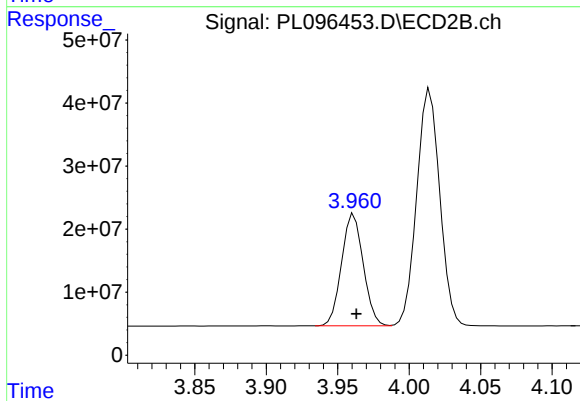
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 406446254
Conc: 55.71 ng/ml



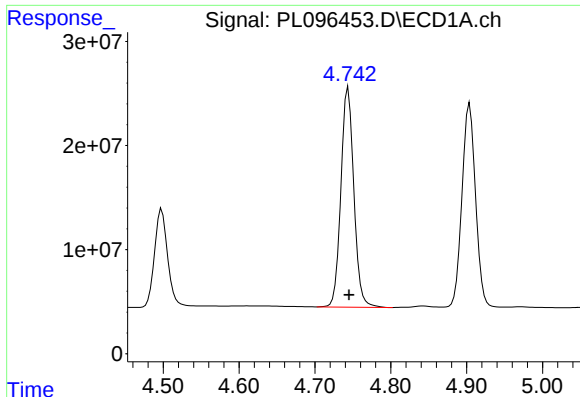
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 111892018
Conc: 53.83 ng/ml



#6 beta-BHC

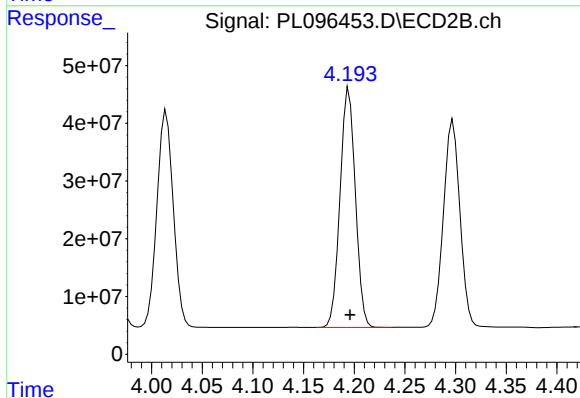
R.T.: 3.962 min
Delta R.T.: -0.002 min
Response: 187895765
Conc: 54.88 ng/ml



#7 delta-BHC

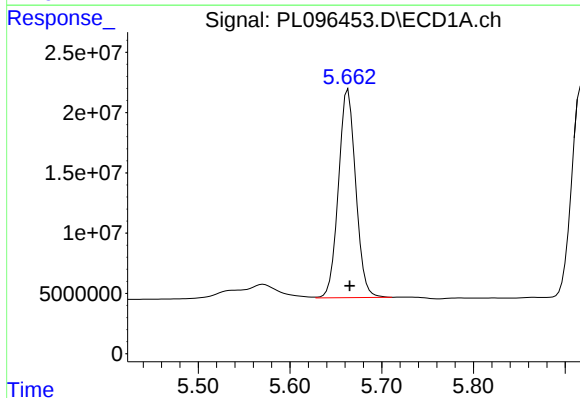
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 250305348
Conc: 55.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



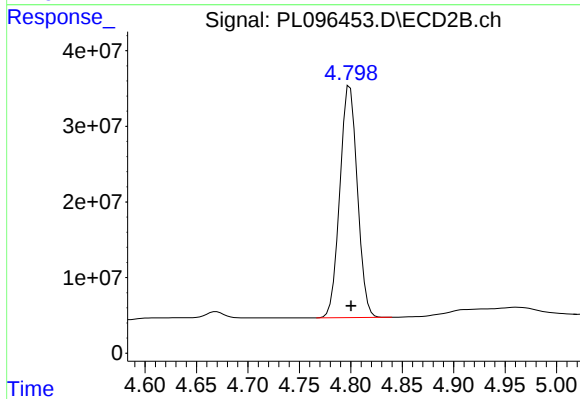
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 435436280
Conc: 56.54 ng/ml



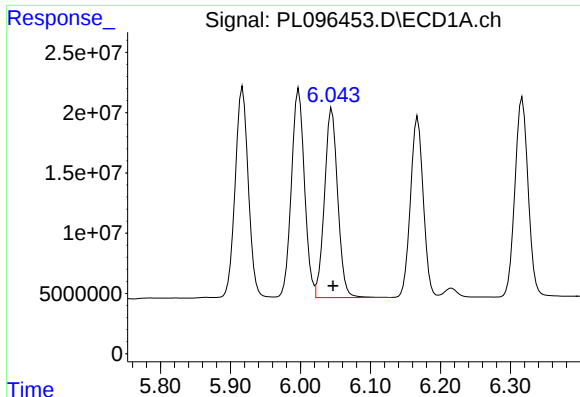
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 225616509
Conc: 54.38 ng/ml



#8 Heptachlor epoxide

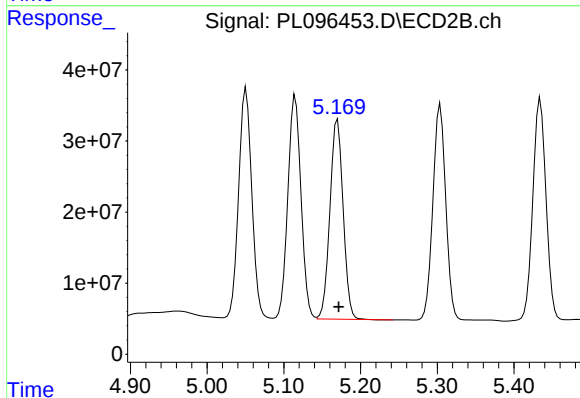
R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 363488929
Conc: 54.37 ng/ml



#9 Endosulfan I

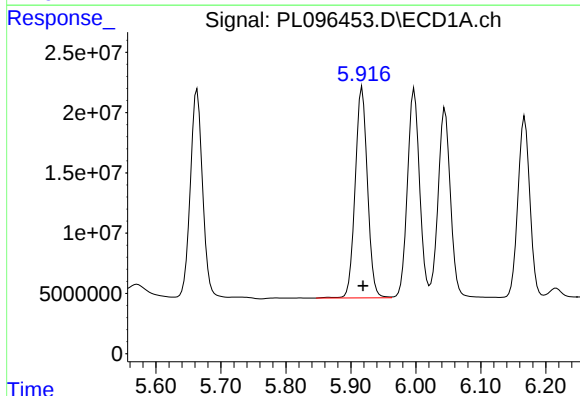
R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 207166953
Conc: 51.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



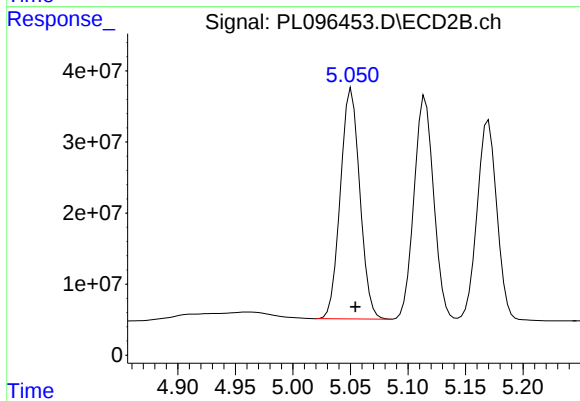
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.002 min
Response: 335302810
Conc: 46.74 ng/ml



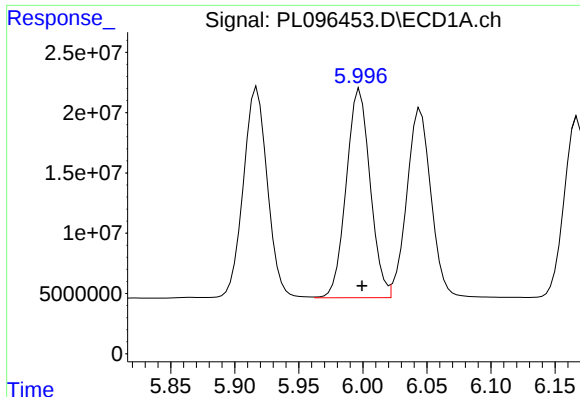
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 229157998
Conc: 51.79 ng/ml



#10 gamma-Chlordane

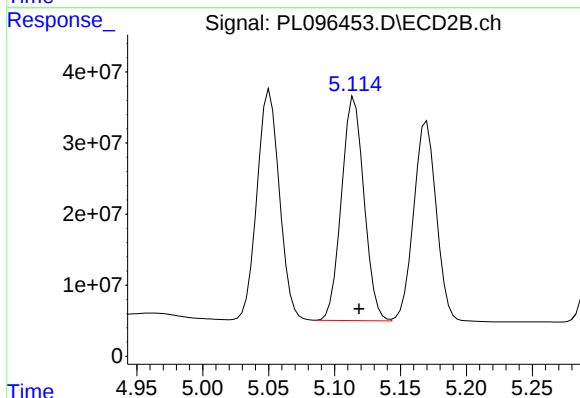
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 383259422
Conc: 54.60 ng/ml



#11 alpha-Chlordane

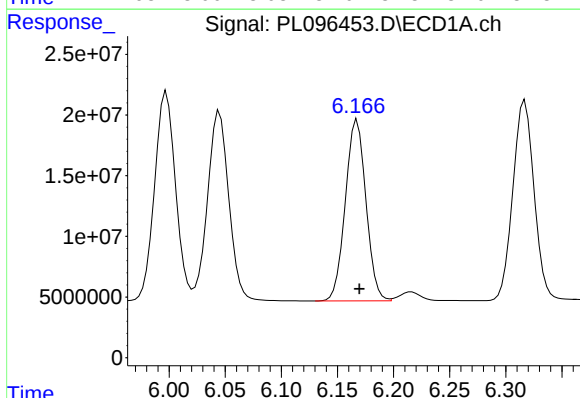
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 225276014
Conc: 51.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



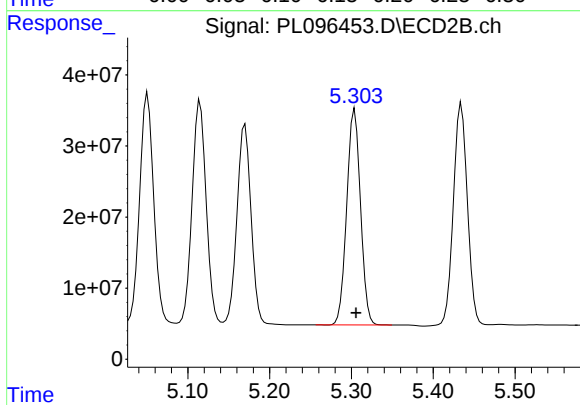
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 374059921
Conc: 49.74 ng/ml



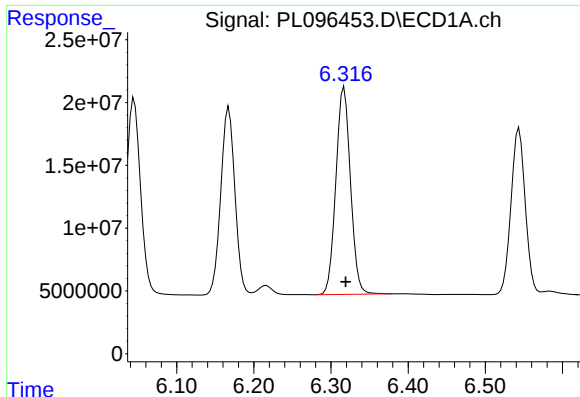
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 190773098
Conc: 51.46 ng/ml



#12 4,4'-DDE

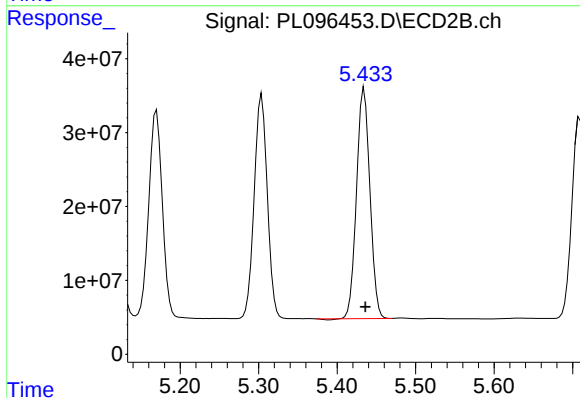
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 352831877
Conc: 54.59 ng/ml



#13 Dieldrin

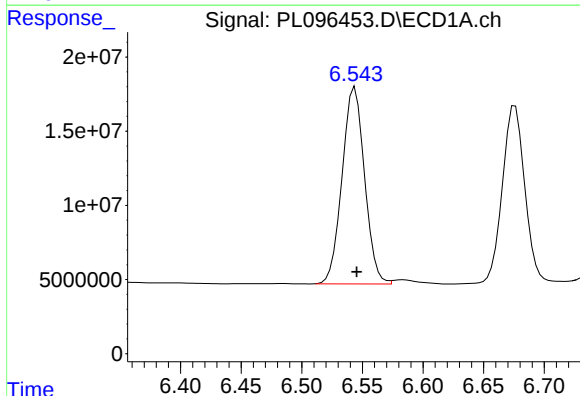
R.T.: 6.317 min
Delta R.T.: -0.002 min
Response: 217603995
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



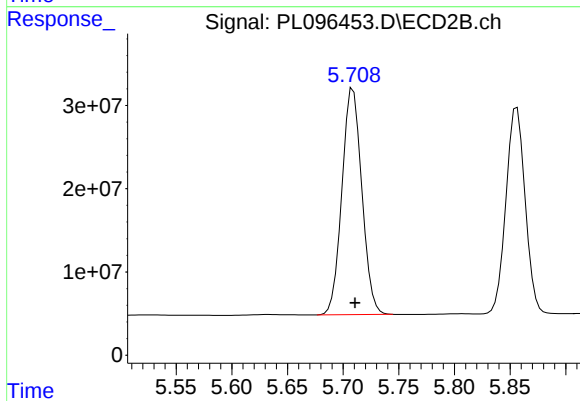
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 369895708
Conc: 54.24 ng/ml



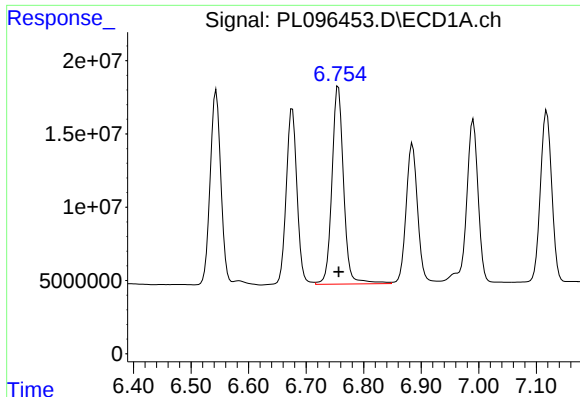
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 170727279
Conc: 54.89 ng/ml



#14 Endrin

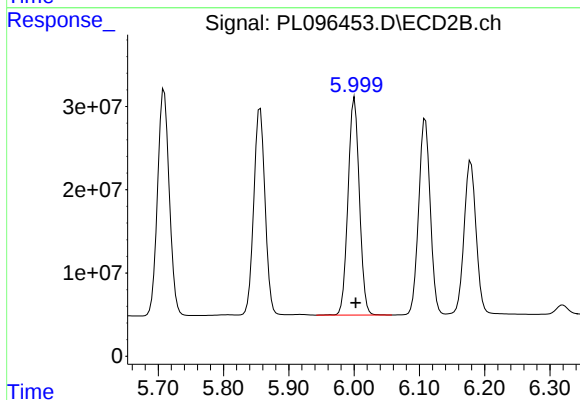
R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 339000018
Conc: 55.61 ng/ml



#15 Endosulfan II

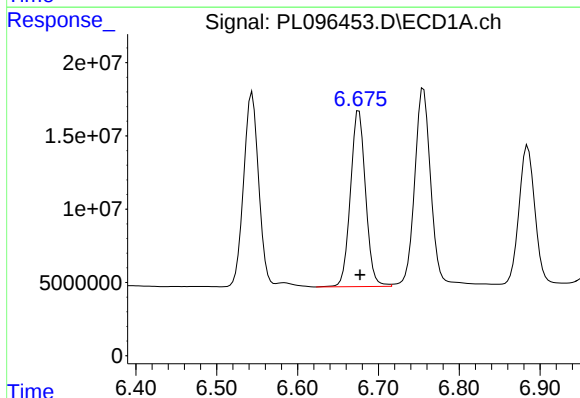
R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 190327153
Conc: 54.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



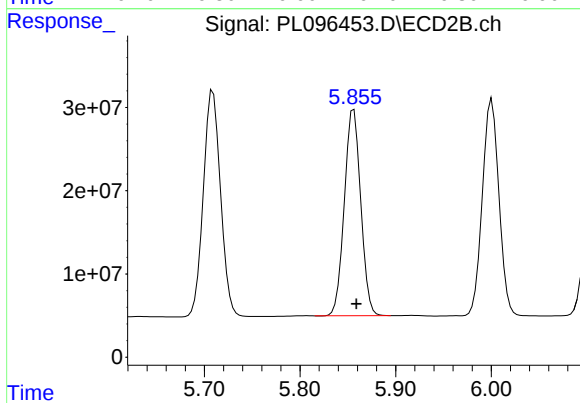
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 315673086
Conc: 53.83 ng/ml



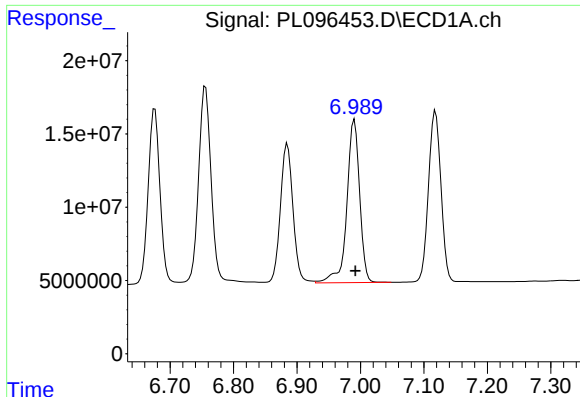
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 156130892
Conc: 53.62 ng/ml



#16 4,4'-DDD

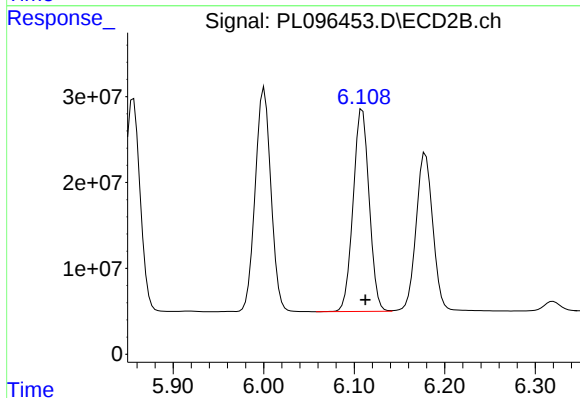
R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 297002145
Conc: 57.91 ng/ml



#17 4,4'-DDT

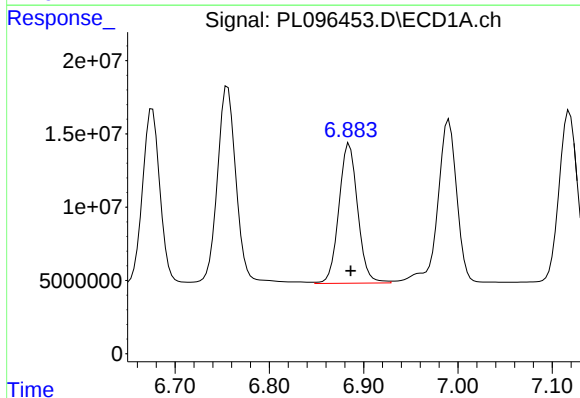
R.T.: 6.990 min
Delta R.T.: -0.001 min
Response: 156020117
Conc: 51.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



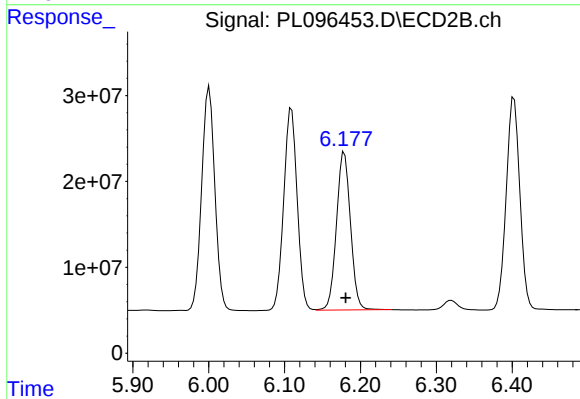
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 290294839
Conc: 50.62 ng/ml



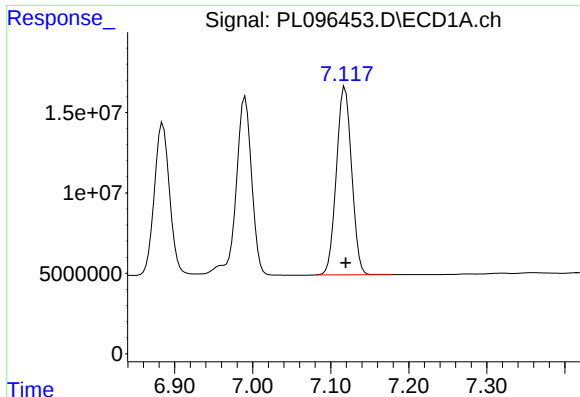
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 132271422
Conc: 59.17 ng/ml



#18 Endrin aldehyde

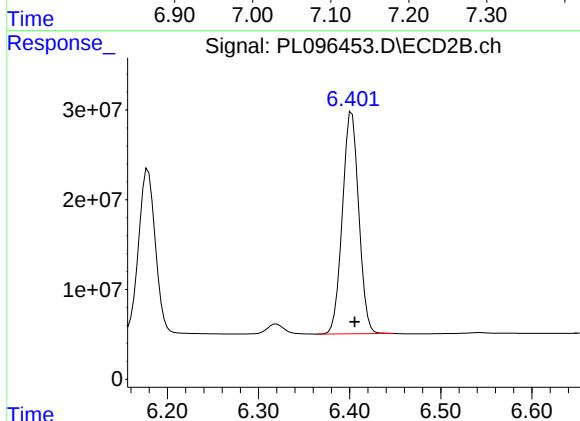
R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 236298145
Conc: 53.05 ng/ml



#19 Endosulfan Sulfate

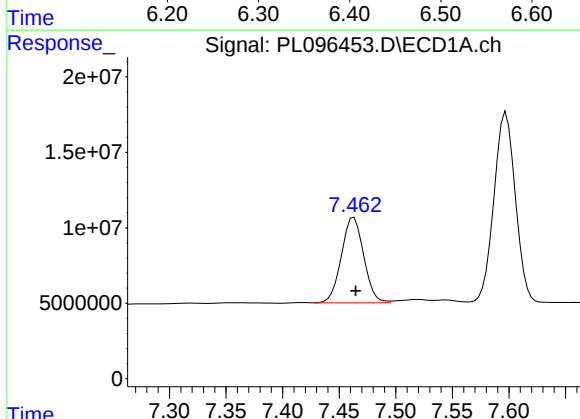
R.T.: 7.118 min
Delta R.T.: -0.001 min
Response: 158639427
Conc: 51.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



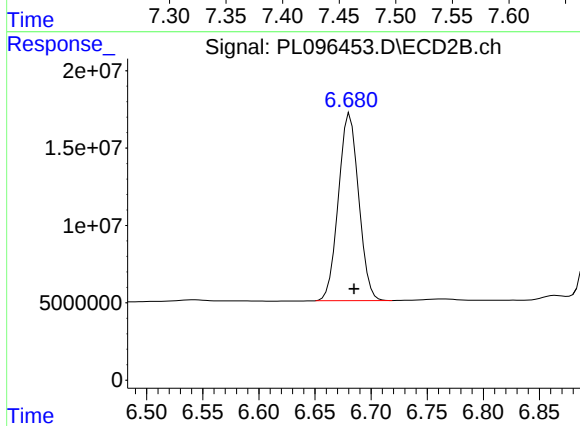
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.003 min
Response: 308573352
Conc: 54.86 ng/ml



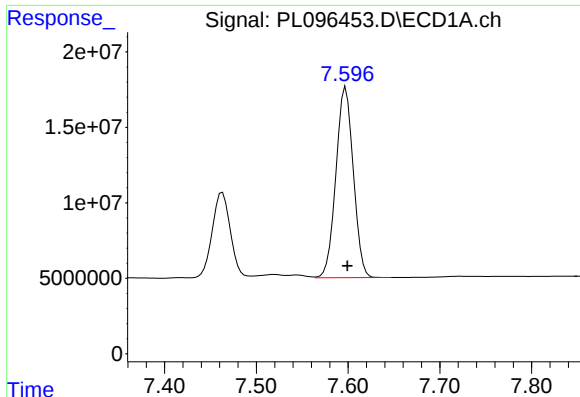
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.002 min
Response: 77955576
Conc: 49.48 ng/ml



#20 Methoxychlor

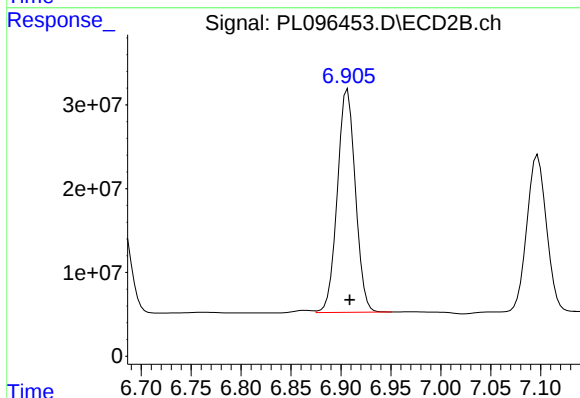
R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 152039930
Conc: 50.05 ng/ml



#21 Endrin ketone

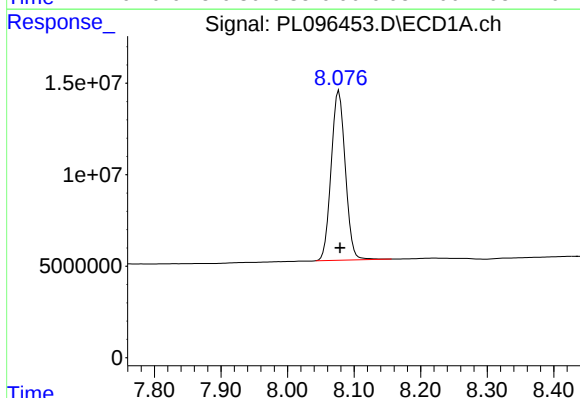
R.T.: 7.598 min
Delta R.T.: -0.002 min
Response: 166500672
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



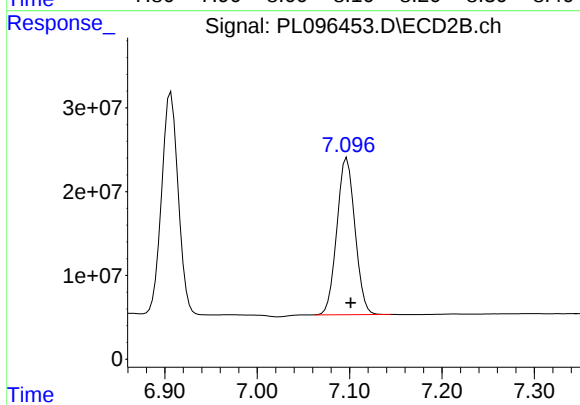
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 334643239
Conc: 53.52 ng/ml



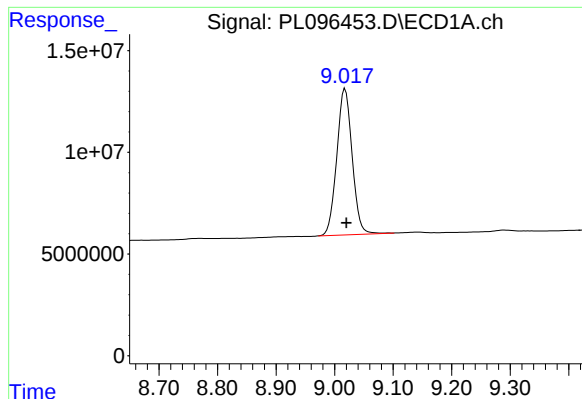
#22 Mirex

R.T.: 8.077 min
Delta R.T.: -0.001 min
Response: 136806392
Conc: 49.17 ng/ml



#22 Mirex

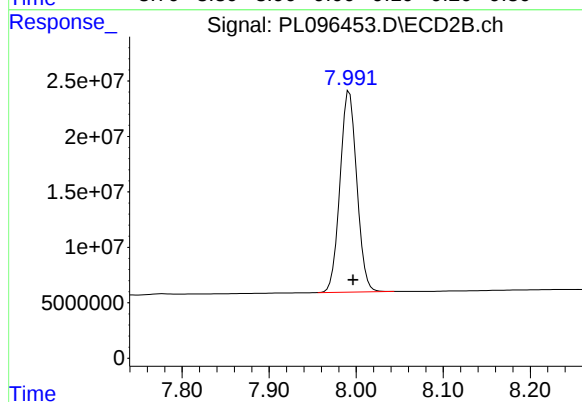
R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 255089229
Conc: 51.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 131221750
Conc: 46.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 243389469
Conc: 48.81 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

07/07/2025

Continuing Calib Time: 14:53

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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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

Continuing Calib Time: 14:53

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	0.01
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:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096465.D **Time Analyzed:** 14:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.018	8.920	9.120	46.510	50.000	-7.0
Endrin	6.544	6.445	6.645	54.470	50.000	8.9
gamma-BHC (Lindane)	4.311	4.213	4.413	53.800	50.000	7.6
Heptachlor	4.904	4.806	5.006	53.460	50.000	6.9
Heptachlor epoxide	5.663	5.565	5.765	55.420	50.000	10.8
Methoxychlor	7.463	7.364	7.564	49.330	50.000	-1.3
Tetrachloro-m-xylene	3.536	3.438	3.638	52.910	50.000	5.8



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096465.D **Time Analyzed:** 14:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	47.190	50.000	-5.6
Endrin	5.709	5.612	5.812	55.030	50.000	10.1
gamma-BHC (Lindane)	3.665	3.567	3.767	55.780	50.000	11.6
Heptachlor	4.014	3.917	4.117	55.060	50.000	10.1
Heptachlor epoxide	4.799	4.702	4.902	53.660	50.000	7.3
Methoxychlor	6.681	6.584	6.784	48.710	50.000	-2.6
Tetrachloro-m-xylene	2.827	2.729	2.929	54.910	50.000	9.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096465.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 14:53
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:25:39 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	2.827	193.1E6	316.9E6	52.911	54.912
28)	SA Decachlor...	9.018	7.993	130.8E6	235.3E6	46.511	47.189
Target Compounds							
2)	A alpha-BHC	3.983	3.333	280.0E6	476.6E6	54.445	56.502
3)	MA gamma-BHC...	4.311	3.665	267.9E6	439.3E6	53.798	55.777
4)	MA Heptachlor	4.904	4.014	244.9E6	418.9E6	53.457	55.064
5)	MB Aldrin	5.243	4.297	249.7E6	404.2E6	51.657	55.401
6)	B beta-BHC	4.498	3.961	113.6E6	186.4E6	54.653	54.441
7)	B delta-BHC	4.744	4.194	249.5E6	430.7E6	55.685	55.923
8)	B Heptachlo...	5.663	4.799	230.0E6	358.7E6	55.424	53.655
9)	A Endosulfan I	6.045	5.169	206.8E6	325.6E6	51.232	45.390
10)	B gamma-Chl...	5.917	5.051	228.4E6	378.4E6	51.620	53.901
11)	B alpha-Chl...	5.998	5.114	224.4E6	368.7E6	51.245	49.025
12)	B 4,4'-DDE	6.168	5.303	189.2E6	344.6E6	51.030	53.314
13)	MA Dieldrin	6.317	5.433	215.2E6	372.2E6	50.900	54.588m
14)	MA Endrin	6.544	5.709	169.4E6	335.5E6	54.474	55.031
15)	B Endosulfa...	6.755	6.000	178.8E6	308.3E6	51.521m	52.568
16)	A 4,4'-DDD	6.676	5.856	162.4E6	293.1E6	55.781	57.151
17)	MA 4,4'-DDT	6.991	6.109	154.8E6	281.2E6	51.003	49.024
18)	B Endrin al...	6.884	6.179	127.2E6	229.1E6	56.877m	51.429
19)	B Endosulfa...	7.118	6.402	156.5E6	302.2E6	51.179	53.729
20)	A Methoxychlor	7.463	6.681	77714408	148.0E6	49.330	48.715
21)	B Endrin ke...	7.598	6.907	165.2E6	332.2E6	50.047	53.138
22)	Mirex	8.078	7.098	134.5E6	247.3E6	48.339	49.767

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096465.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 14:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

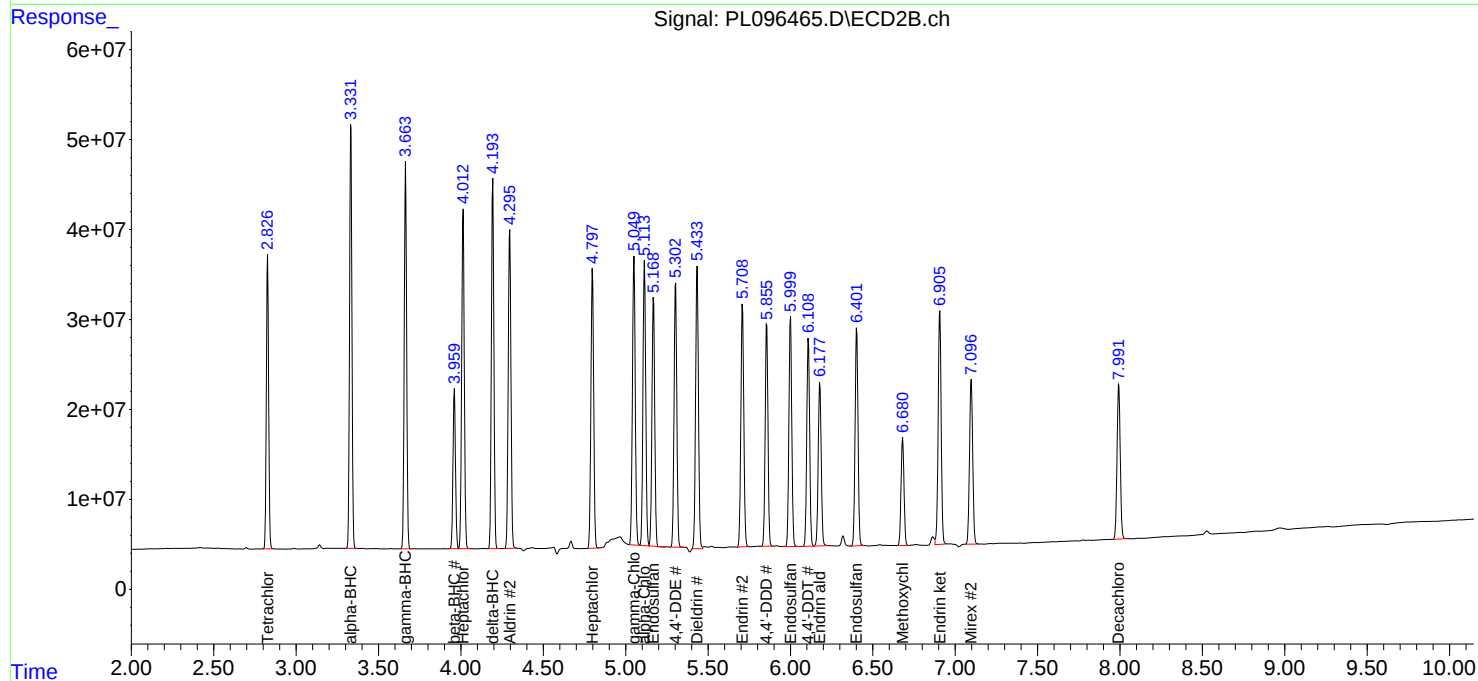
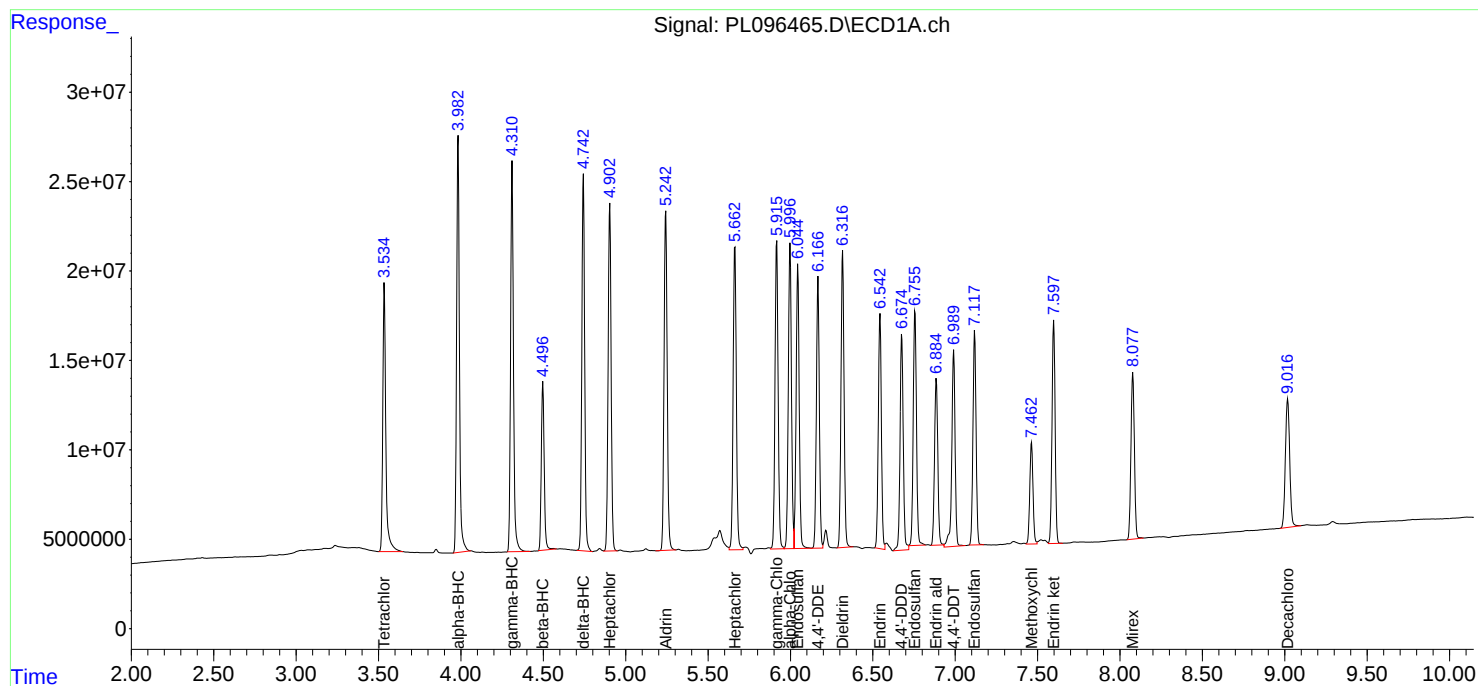
APPROVED

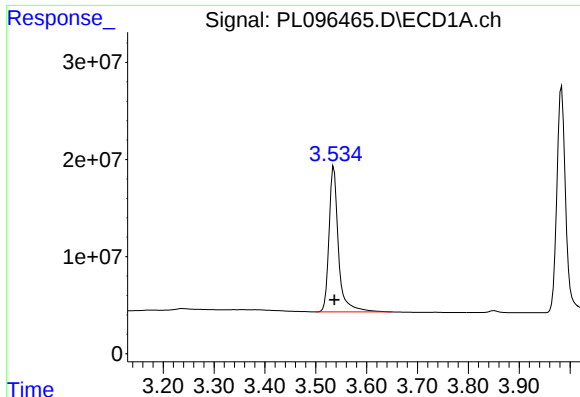
Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:25:39 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: 193071356
Conc: 52.91 ng/ml

Instrument :

ECD_L

ClientSampleId :

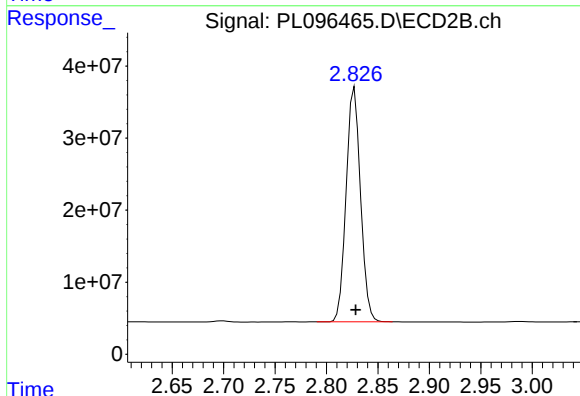
PSTDCCC050

Manual Integrations

APPROVED

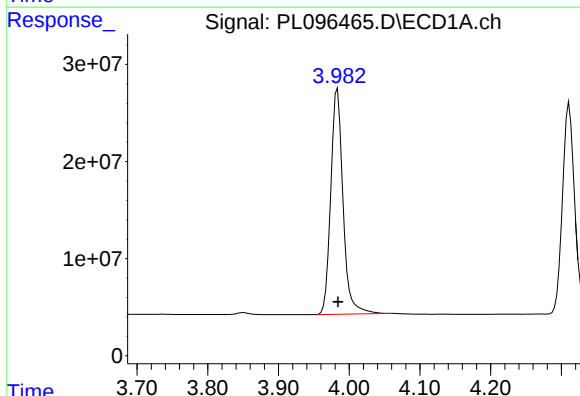
Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025



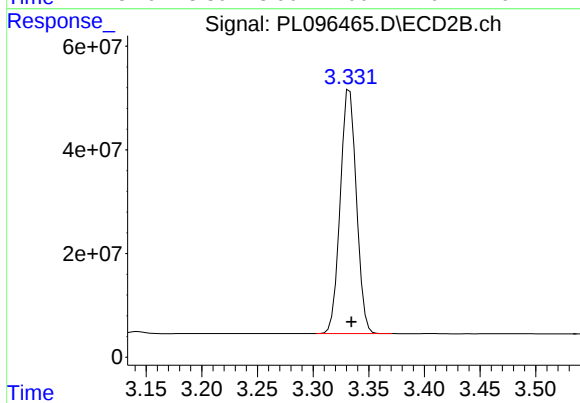
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 316909718
Conc: 54.91 ng/ml



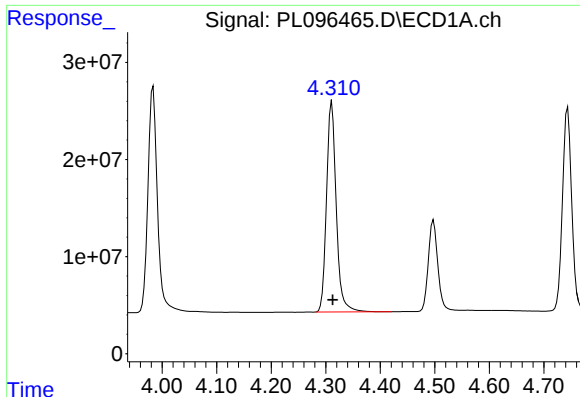
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 280018289
Conc: 54.44 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 476556530
Conc: 56.50 ng/ml



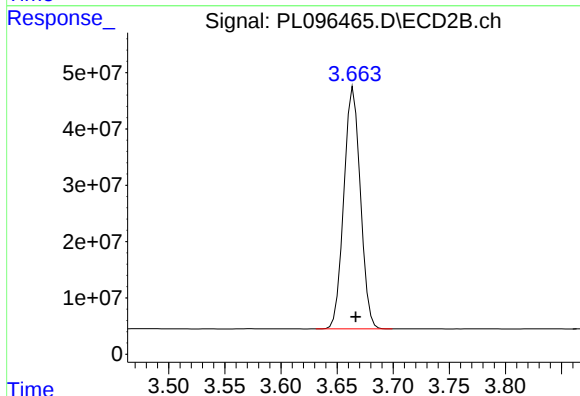
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 267895457
Conc: 53.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

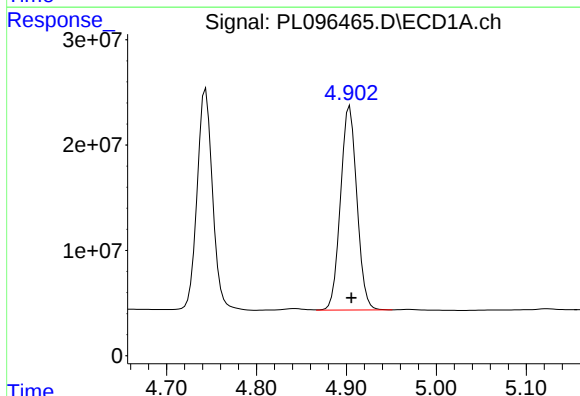
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



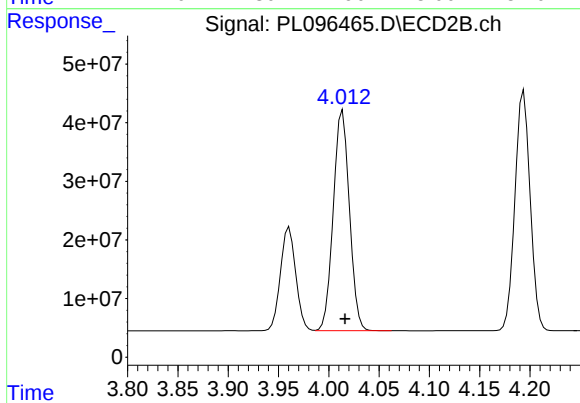
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 439294639
Conc: 55.78 ng/ml



#4 Heptachlor

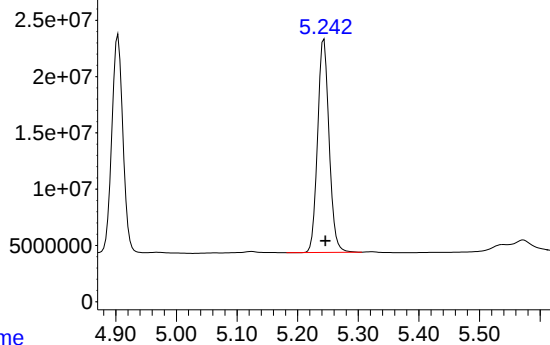
R.T.: 4.904 min
Delta R.T.: -0.002 min
Response: 244900297
Conc: 53.46 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 418914500
Conc: 55.06 ng/ml

Response_ Signal: PL096465.D\ECD1A.ch



#5 Aldrin

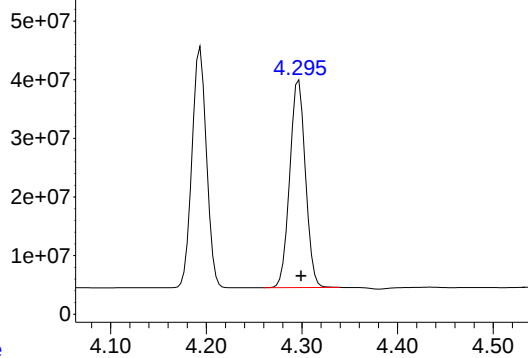
R.T.: 5.243 min
Delta R.T.: -0.002 min
Response: 249692981
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

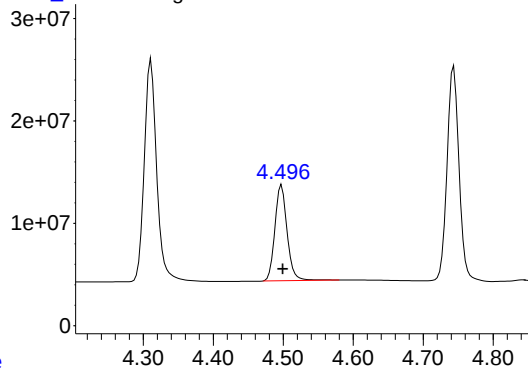
Time Response_ Signal: PL096465.D\ECD2B.ch



#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 404182909
Conc: 55.40 ng/ml

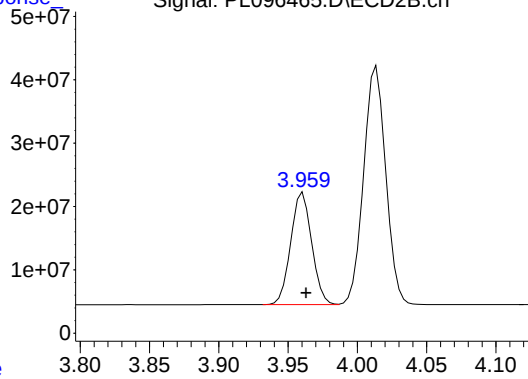
Time Response_ Signal: PL096465.D\ECD1A.ch



#6 beta-BHC

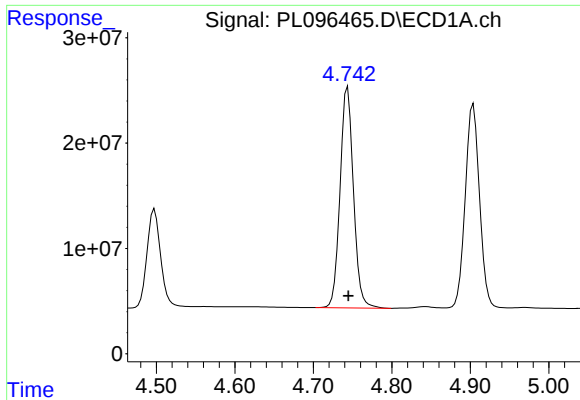
R.T.: 4.498 min
Delta R.T.: -0.002 min
Response: 113611736
Conc: 54.65 ng/ml

Time Response_ Signal: PL096465.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 186401632
Conc: 54.44 ng/ml



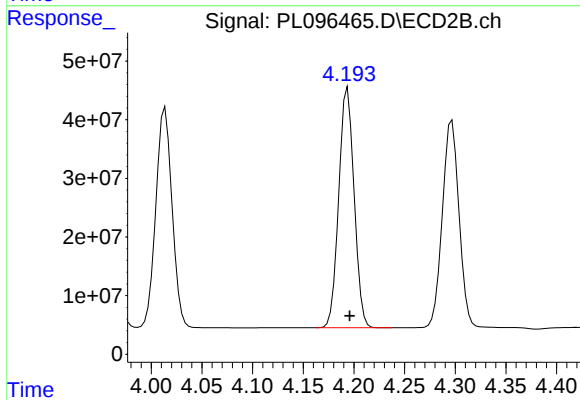
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 249543126
Conc: 55.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

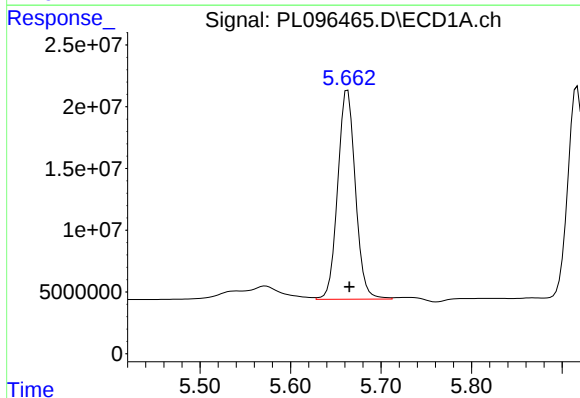
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



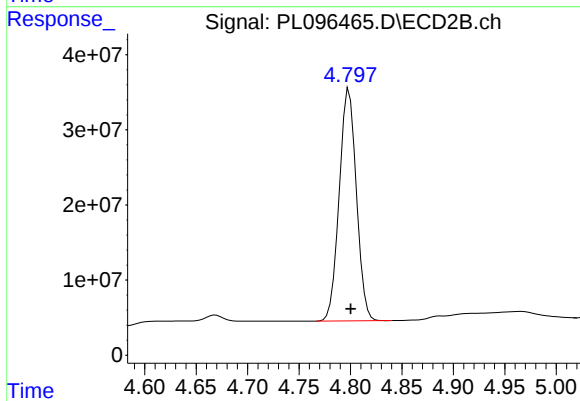
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 430711866
Conc: 55.92 ng/ml



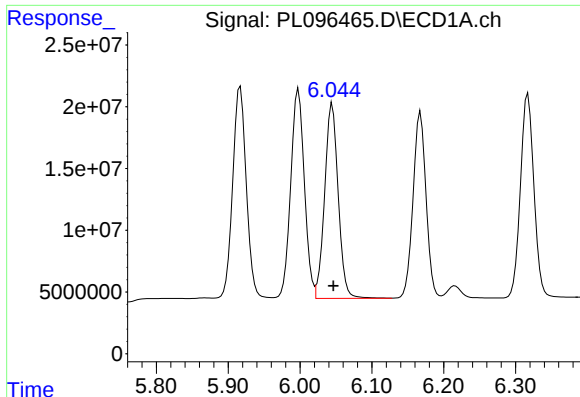
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 229961299
Conc: 55.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 358678757
Conc: 53.66 ng/ml



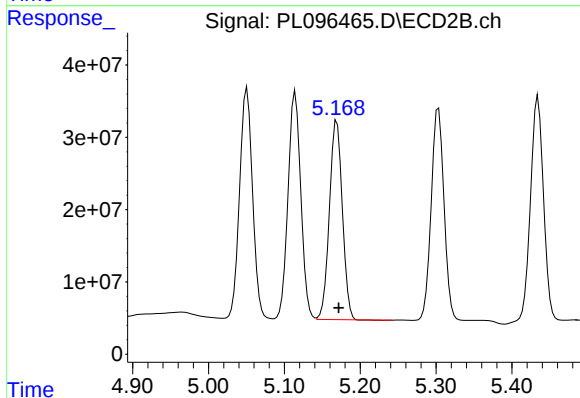
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 206837915
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

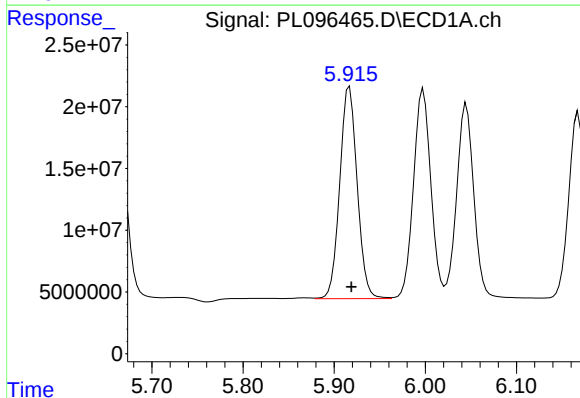
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



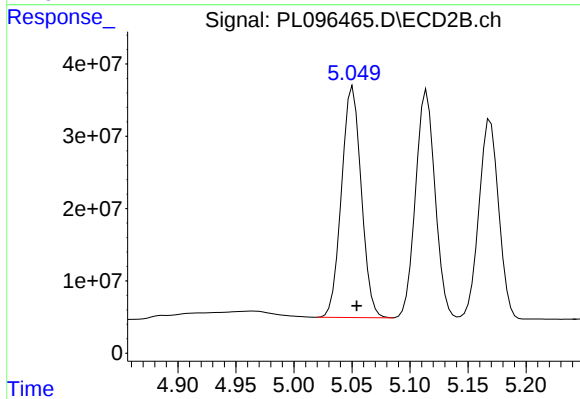
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.002 min
Response: 325634919
Conc: 45.39 ng/ml



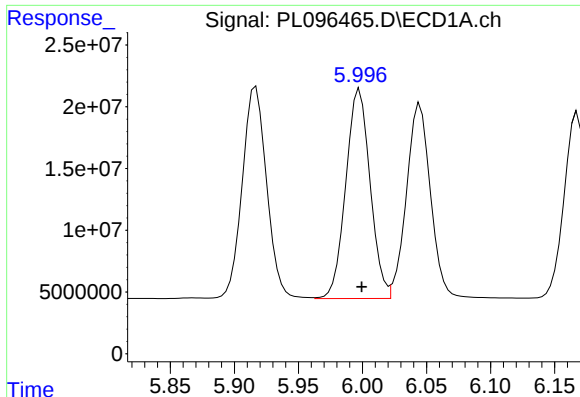
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 228406016
Conc: 51.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 378366668
Conc: 53.90 ng/ml



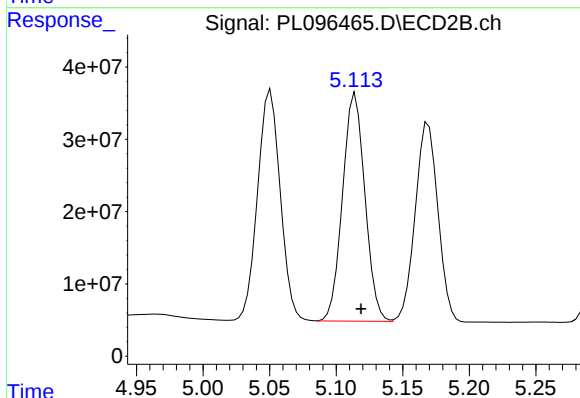
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 224392572
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

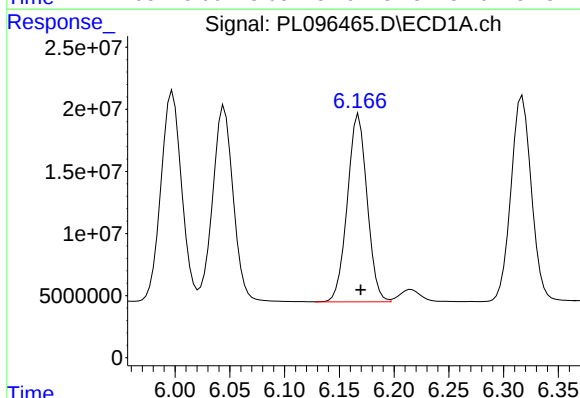
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



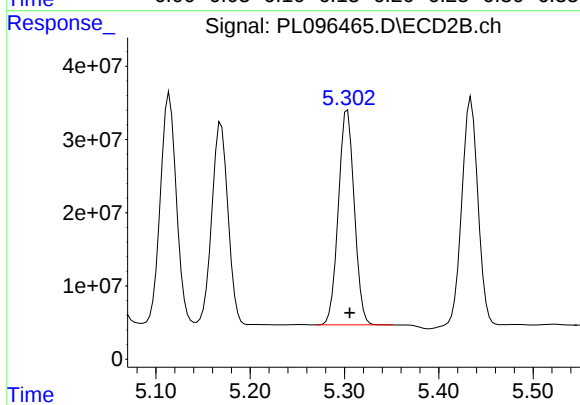
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 368677269
Conc: 49.02 ng/ml



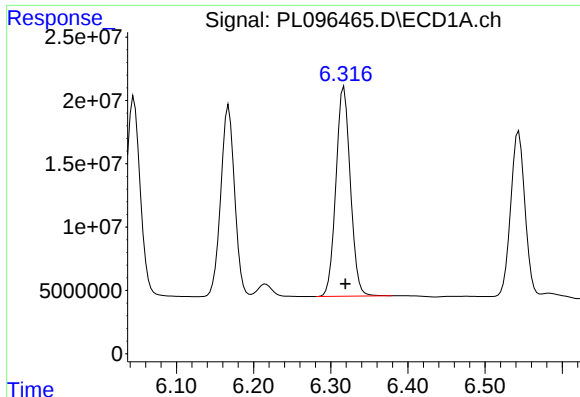
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 189191850
Conc: 51.03 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.002 min
Response: 344606434
Conc: 53.31 ng/ml



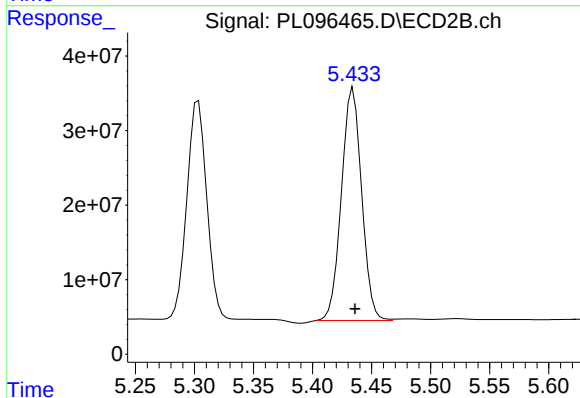
#13 Dieldrin

R.T.: 6.317 min
Delta R.T.: -0.002 min
Response: 215225113
Conc: 50.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

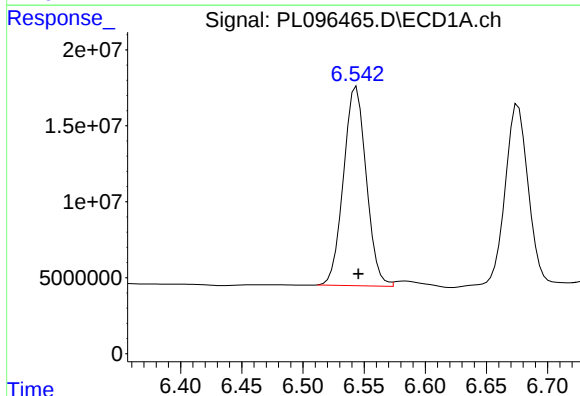
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



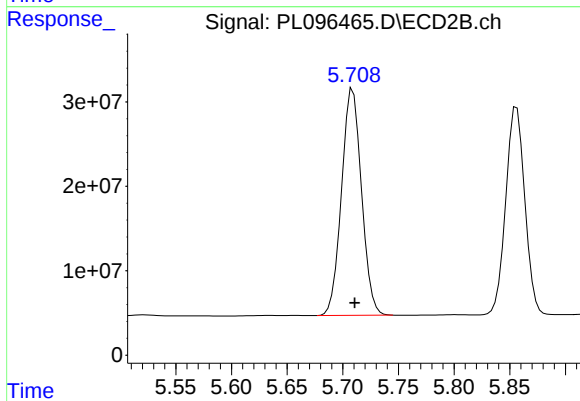
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 372248969
Conc: 54.59 ng/ml m



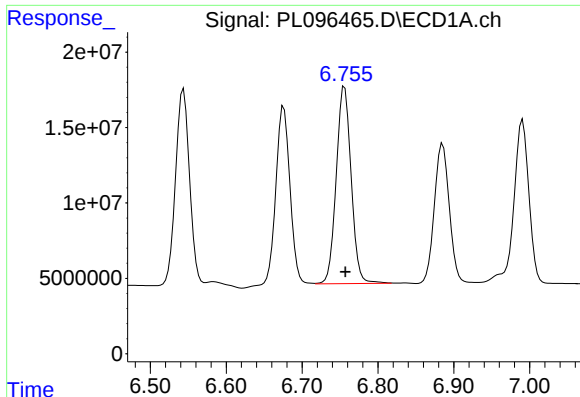
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 169424854
Conc: 54.47 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 335498074
Conc: 55.03 ng/ml



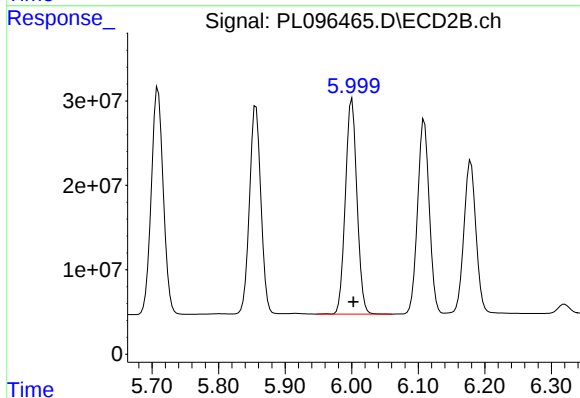
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 178779073
Conc: 51.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

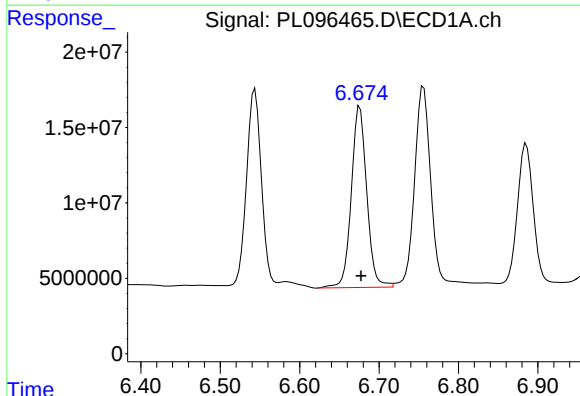
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



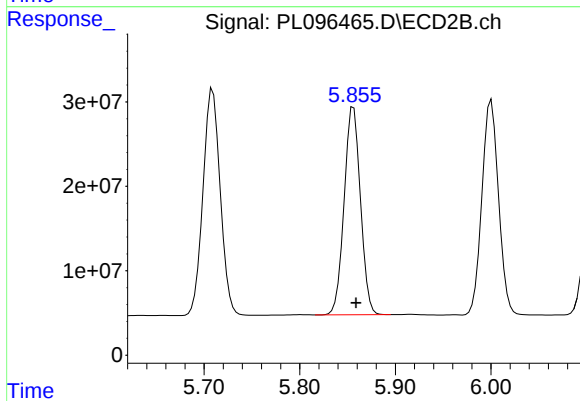
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.002 min
Response: 308252844
Conc: 52.57 ng/ml



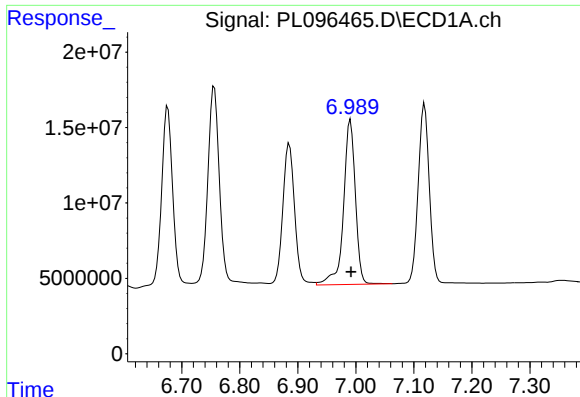
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 162418154
Conc: 55.78 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 293112169
Conc: 57.15 ng/ml



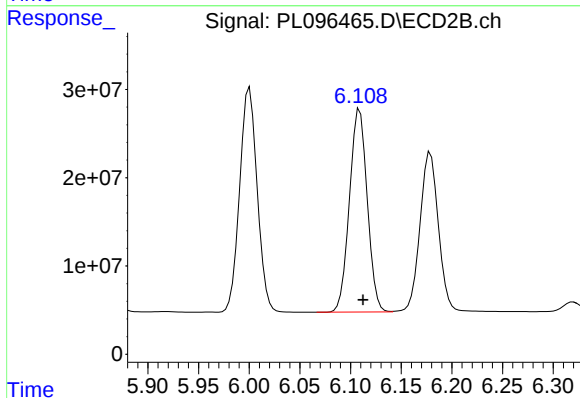
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 154803265
Conc: 51.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

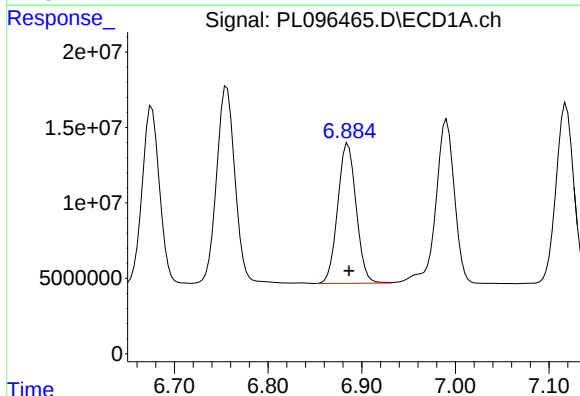
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



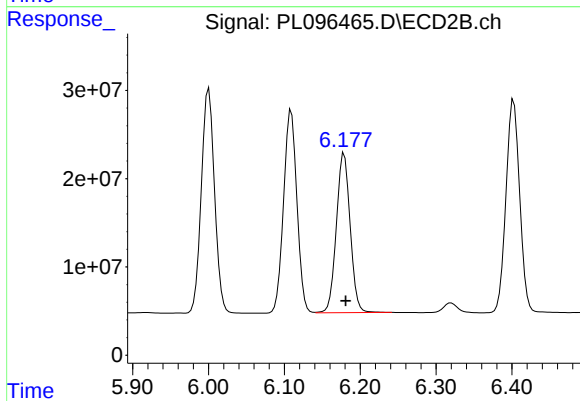
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 281158964
Conc: 49.02 ng/ml



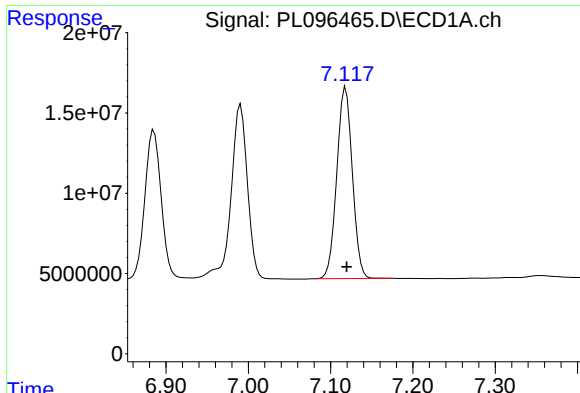
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 127150963
Conc: 56.88 ng/ml m



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 229094735
Conc: 51.43 ng/ml



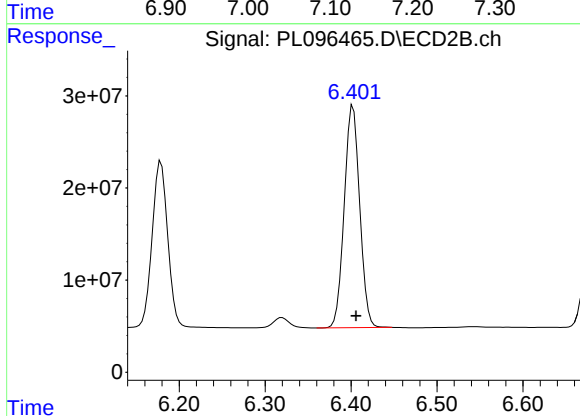
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: -0.001 min
Response: 156548569
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

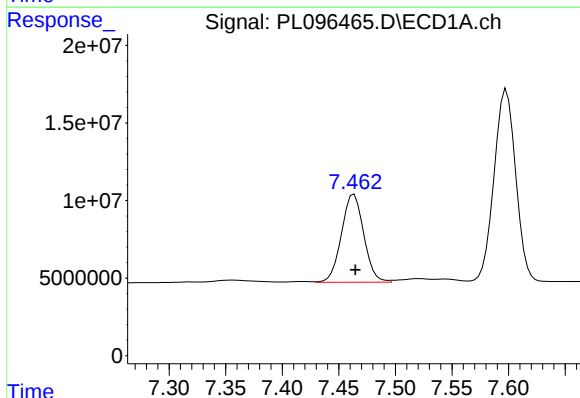
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



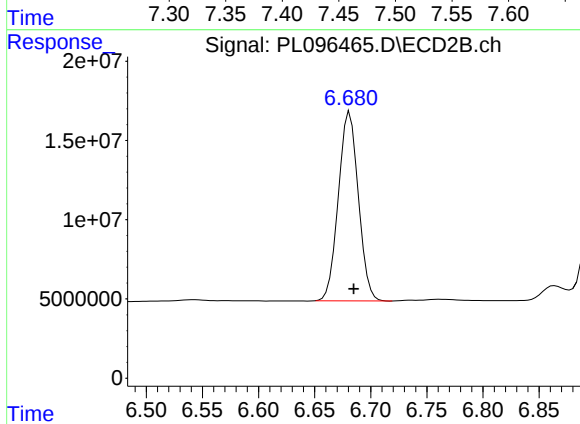
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.003 min
Response: 302194698
Conc: 53.73 ng/ml



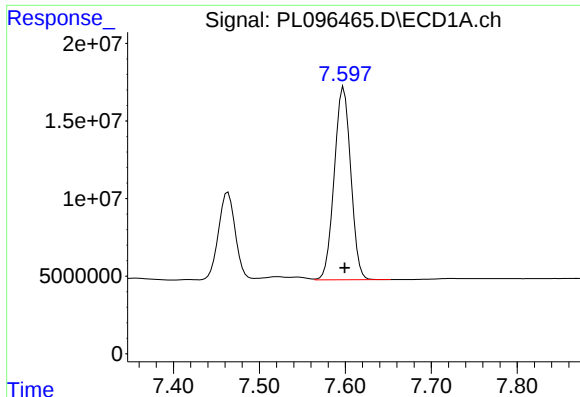
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 77714408
Conc: 49.33 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 147984785
Conc: 48.71 ng/ml



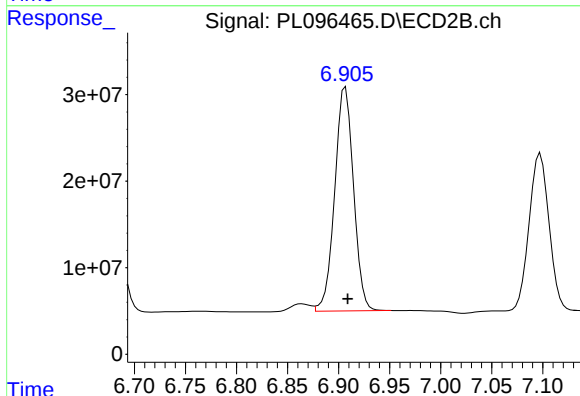
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.001 min
Response: 165237000
Conc: 50.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

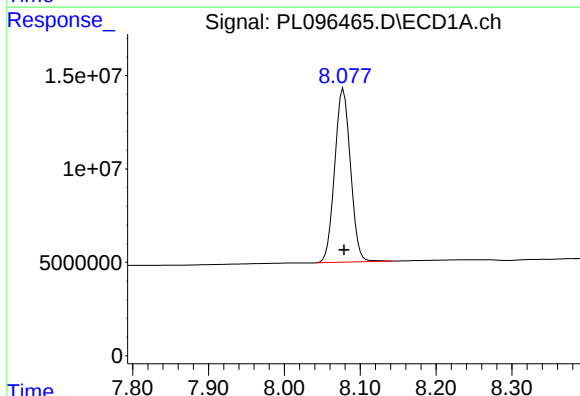
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



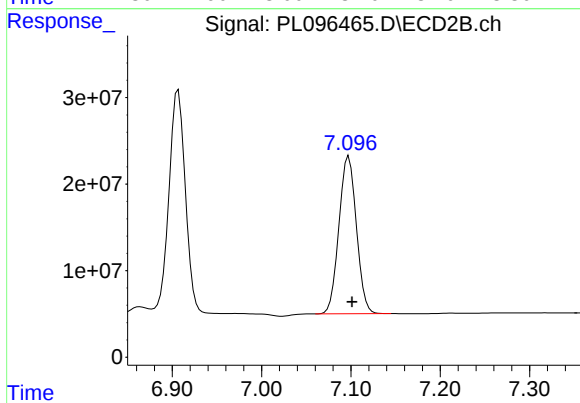
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 332233691
Conc: 53.14 ng/ml



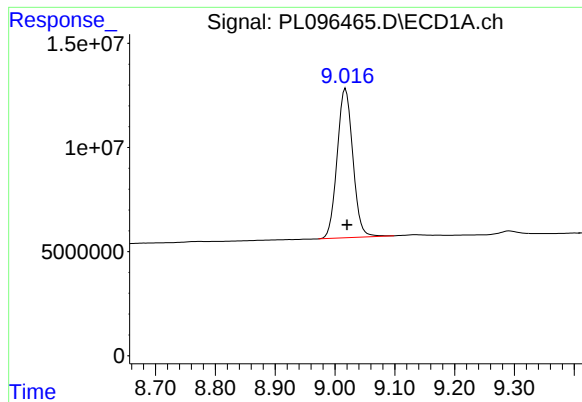
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 134489145
Conc: 48.34 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 247253217
Conc: 49.77 ng/ml



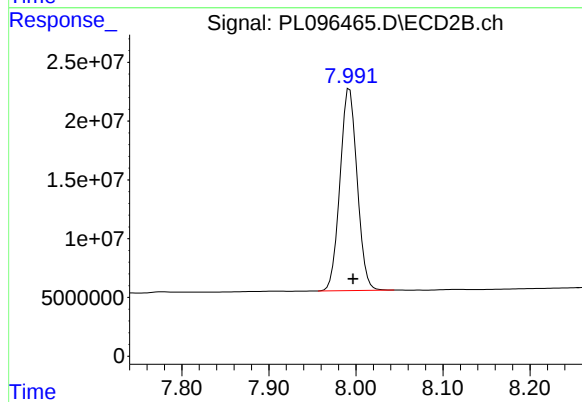
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 130839319
Conc: 46.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 235305997
Conc: 47.19 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

07/07/2025

Continuing Calib Time: 17:37

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	4.91	4.91	4.81	5.01	0.00
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: PARS02

Lab Code: ACE

SDG NO.: Q2592

Continuing Calib Date: 07/18/2025

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

07/07/2025

Continuing Calib Time: 17:37

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:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096477.D **Time Analyzed:** 17:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.018	8.920	9.120	47.270	50.000	-5.5
Endrin	6.544	6.445	6.645	53.550	50.000	7.1
gamma-BHC (Lindane)	4.312	4.213	4.413	53.590	50.000	7.2
Heptachlor	4.905	4.806	5.006	52.990	50.000	6.0
Heptachlor epoxide	5.662	5.565	5.765	54.650	50.000	9.3
Methoxychlor	7.463	7.364	7.564	48.960	50.000	-2.1
Tetrachloro-m-xylene	3.536	3.438	3.638	52.750	50.000	5.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **SDG NO.:** Q2592
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096477.D **Time Analyzed:** 17:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.993	7.896	8.096	49.570	50.000	-0.9
Endrin	5.710	5.612	5.812	54.060	50.000	8.1
gamma-BHC (Lindane)	3.666	3.567	3.767	55.800	50.000	11.6
Heptachlor	4.015	3.917	4.117	55.050	50.000	10.1
Heptachlor epoxide	4.800	4.702	4.902	54.060	50.000	8.1
Methoxychlor	6.682	6.584	6.784	49.540	50.000	-0.9
Tetrachloro-m-xylene	2.828	2.729	2.929	54.780	50.000	9.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096477.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 17:37
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:27:37 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	192.5E6	316.1E6	52.749	54.775
28)	SA Decachlor...	9.018	7.993	133.0E6	247.2E6	47.265	49.566
Target Compounds							
2)	A alpha-BHC	3.984	3.334	279.1E6	475.9E6	54.272	56.429
3)	MA gamma-BHC...	4.312	3.666	266.8E6	439.4E6	53.586	55.796
4)	MA Heptachlor	4.905	4.015	242.8E6	418.8E6	52.993	55.050
5)	MB Aldrin	5.244	4.298	251.6E6	405.2E6	52.048	55.535
6)	B beta-BHC	4.499	3.962	112.2E6	185.9E6	53.979	54.282
7)	B delta-BHC	4.744	4.195	247.1E6	427.9E6	55.144	55.564
8)	B Heptachlo...	5.662	4.800	226.8E6	361.4E6	54.652m	54.057
9)	A Endosulfan I	6.044	5.171	204.3E6	329.5E6	50.598m	45.934
10)	B gamma-Chl...	5.916	5.052	228.5E6	381.5E6	51.634m	54.348
11)	B alpha-Chl...	5.999	5.116	230.6E6	371.8E6	52.671	49.439
12)	B 4,4'-DDE	6.168	5.305	192.2E6	348.5E6	51.849	53.917
13)	MA Dieldrin	6.318	5.434	217.6E6	373.5E6	51.457	54.769m
14)	MA Endrin	6.544	5.710	166.6E6	329.6E6	53.550	54.063
15)	B Endosulfa...	6.755	6.002	180.6E6	314.5E6	52.047m	53.626
16)	A 4,4'-DDD	6.676	5.857	164.9E6	300.4E6	56.628	58.580
17)	MA 4,4'-DDT	6.991	6.109	153.8E6	281.7E6	50.667	49.113
18)	B Endrin al...	6.884	6.180	128.0E6	236.4E6	57.257m	53.066
19)	B Endosulfa...	7.119	6.403	158.7E6	309.0E6	51.876	54.941
20)	A Methoxychlor	7.463	6.682	77135128	150.5E6	48.962	49.544
21)	B Endrin ke...	7.598	6.907	169.9E6	351.2E6	51.457	56.167
22)	Mirex	8.078	7.098	138.7E6	256.6E6	49.866	51.641

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 17:37
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

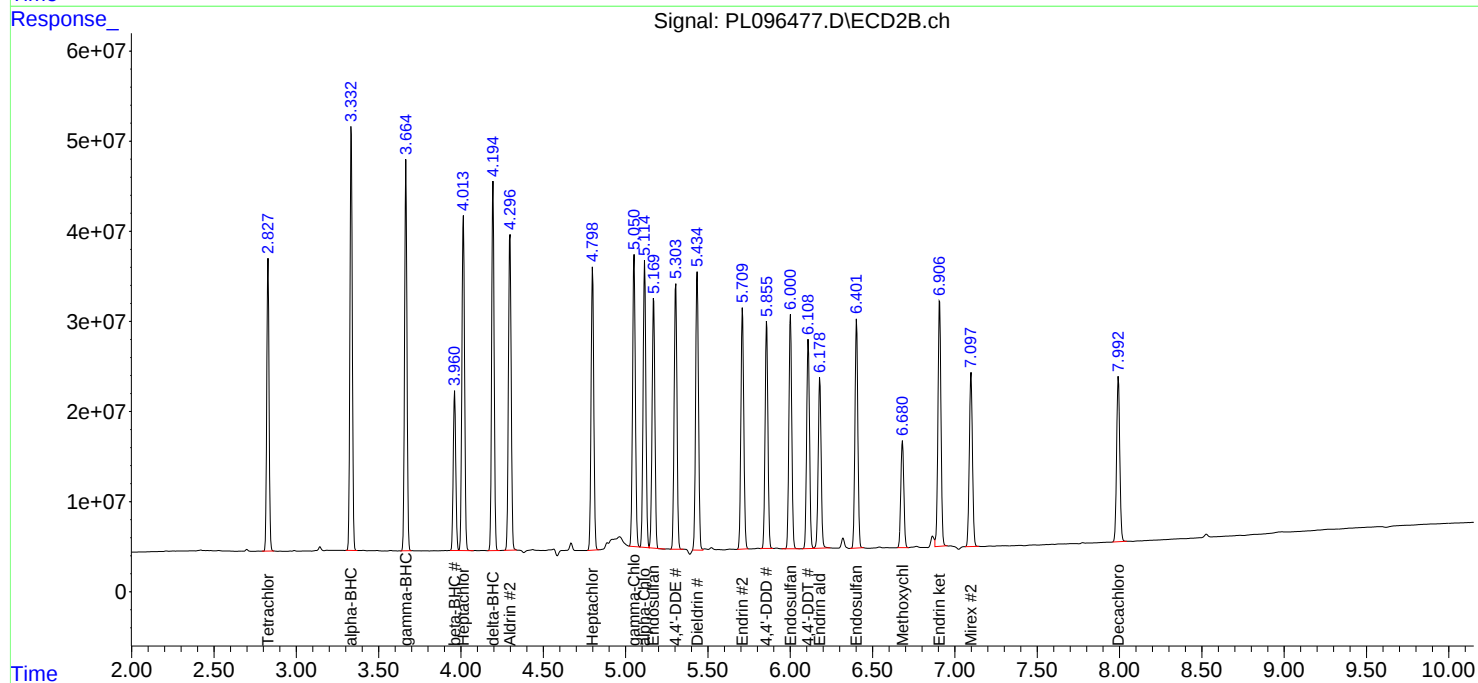
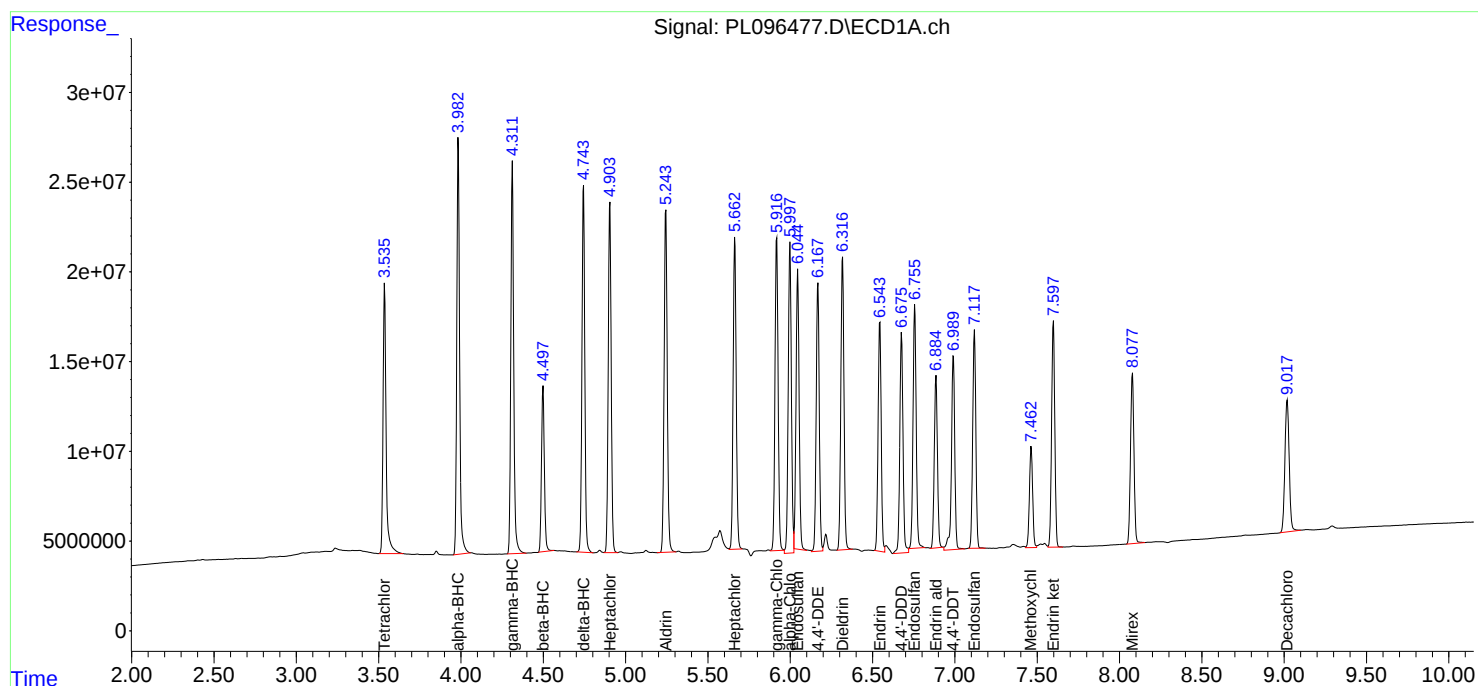
Manual Integrations**APPROVED**

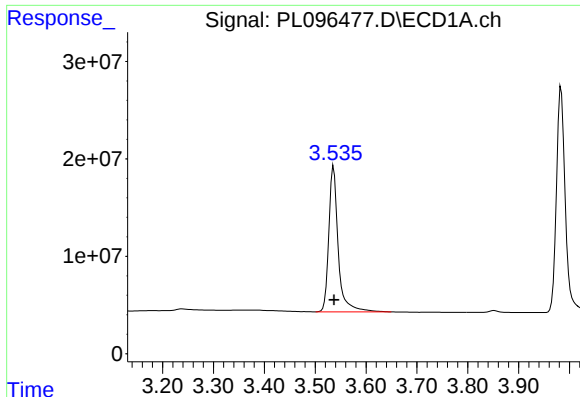
Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:27:37 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





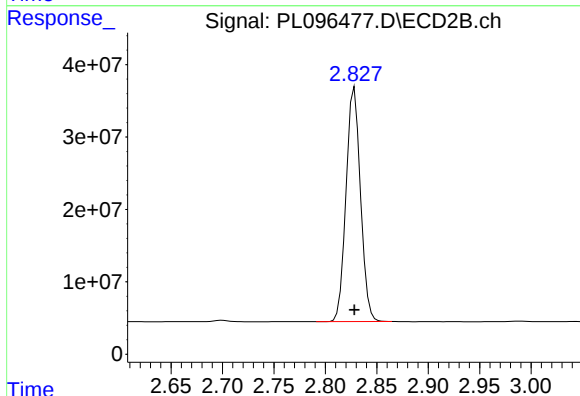
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 192479394
Conc: 52.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

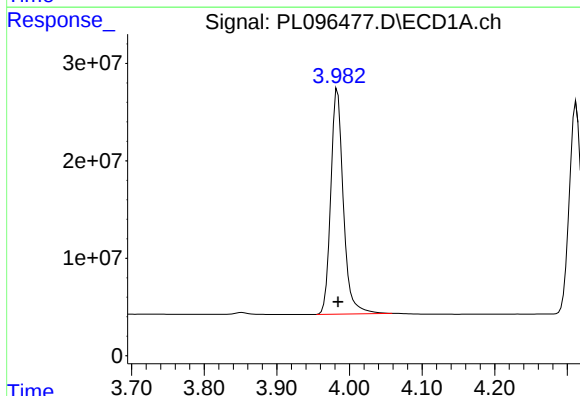
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



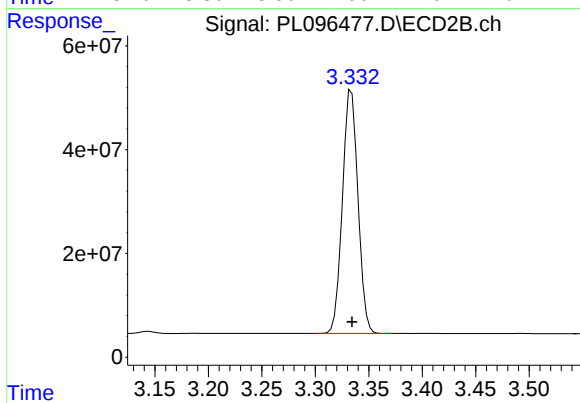
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 316120787
Conc: 54.78 ng/ml



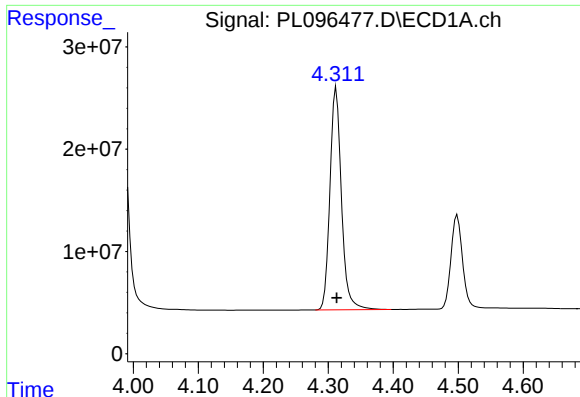
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 279129312
Conc: 54.27 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 475945311
Conc: 56.43 ng/ml



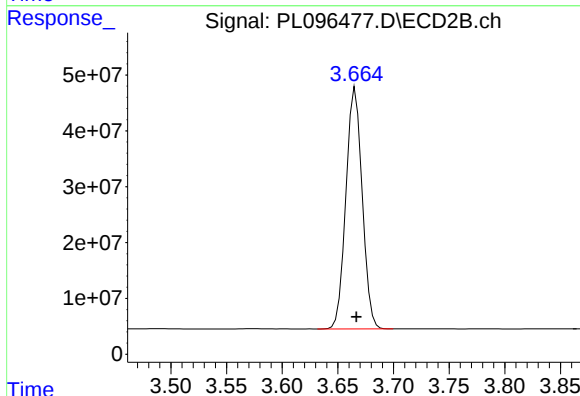
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 266840324
Conc: 53.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

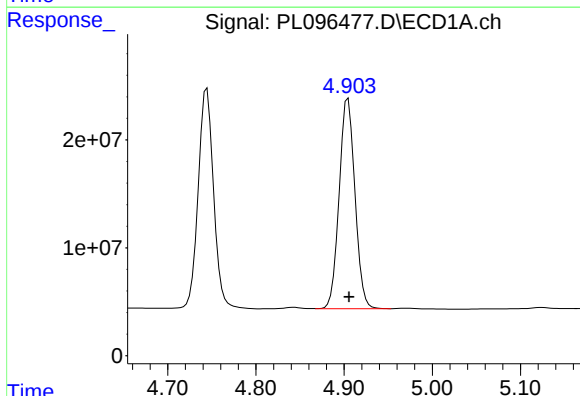
Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



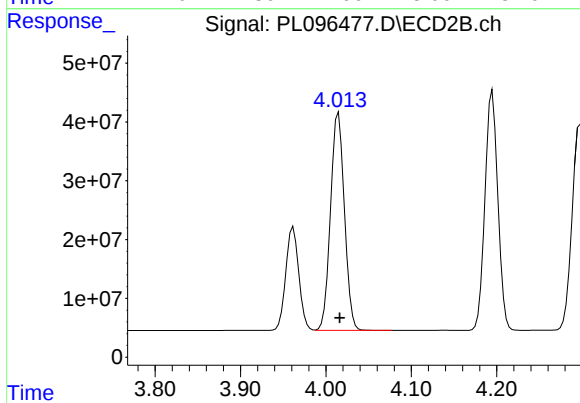
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 439444240
Conc: 55.80 ng/ml



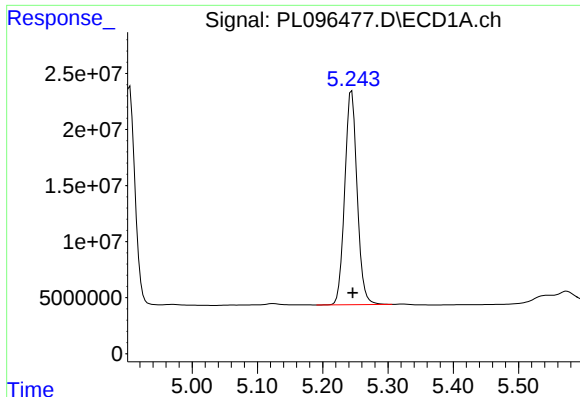
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 242771521
Conc: 52.99 ng/ml



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 418807720
Conc: 55.05 ng/ml



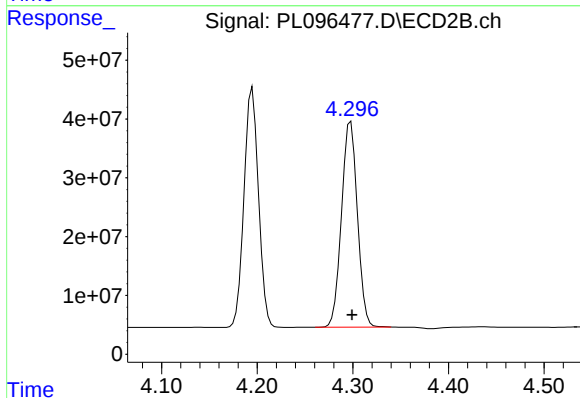
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.001 min
Response: 251584480
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

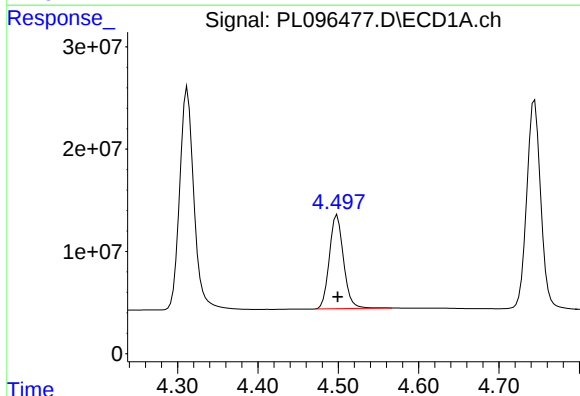
Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



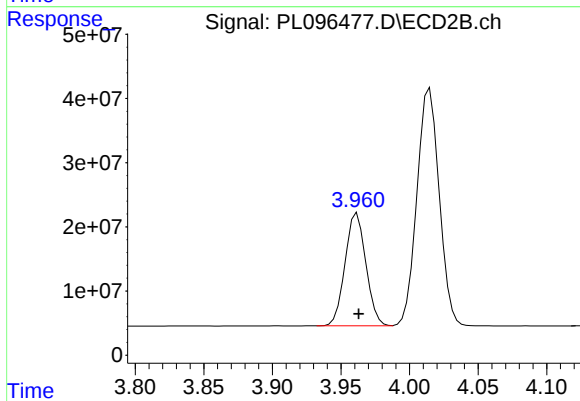
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 405163987
Conc: 55.54 ng/ml



#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 112211508
Conc: 53.98 ng/ml

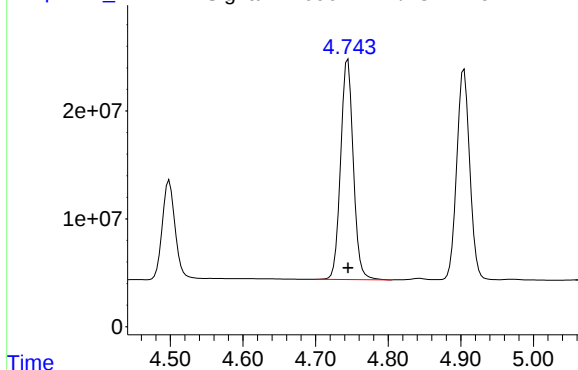


#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 185856106
Conc: 54.28 ng/ml

Response_ Signal: PL096477.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 247119975
Conc: 55.14 ng/ml

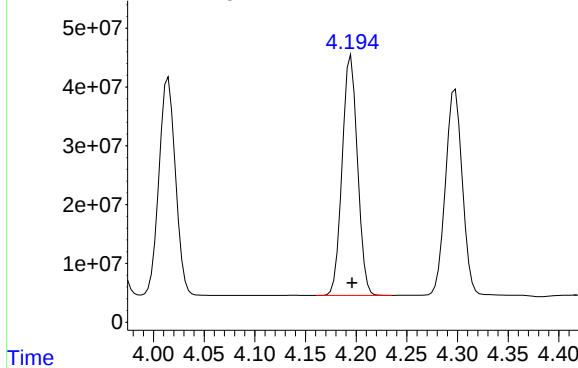
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

Response_ Signal: PL096477.D\ECD2B.ch

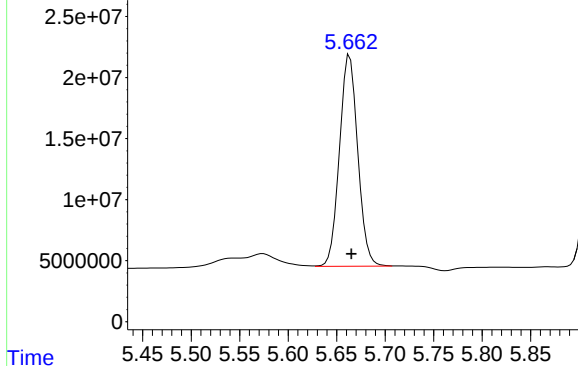
#7 delta-BHC



R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 427944934
Conc: 55.56 ng/ml

Response_ Signal: PL096477.D\ECD1A.ch

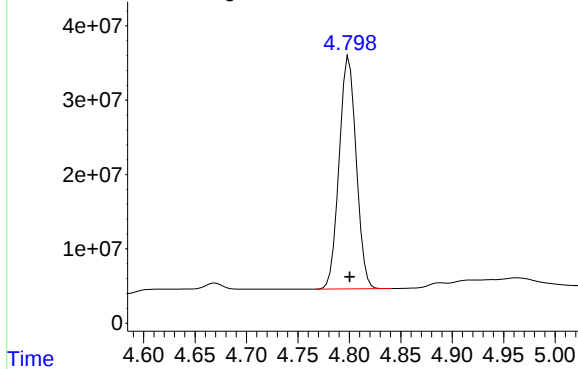
#8 Heptachlor epoxide



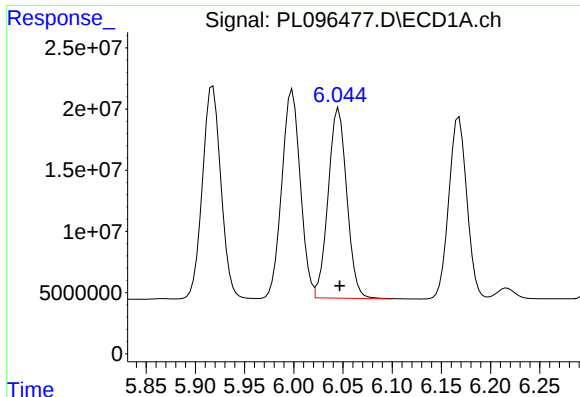
R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 226758629
Conc: 54.65 ng/ml m

Response_ Signal: PL096477.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 361367929
Conc: 54.06 ng/ml



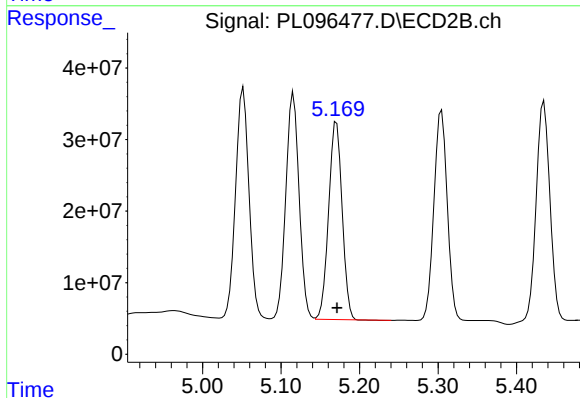
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.002 min
Response: 204277658
Conc: 50.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

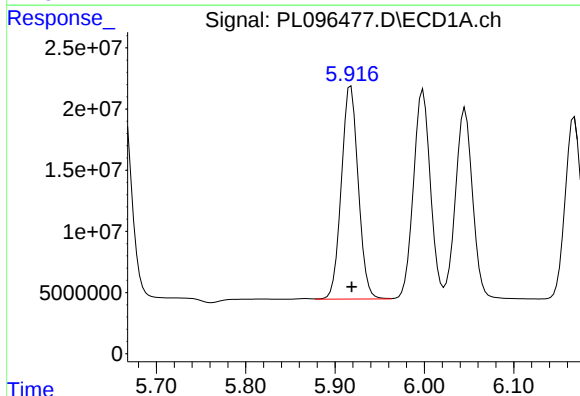
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



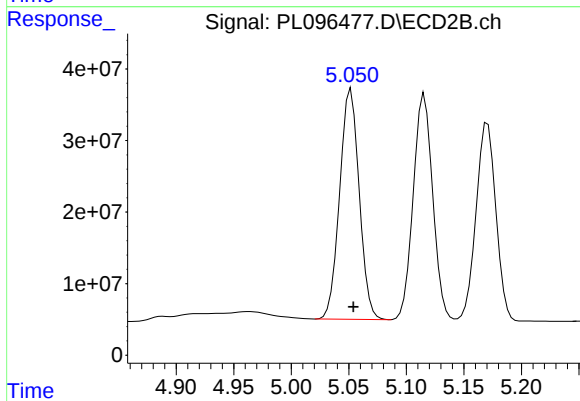
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: -0.001 min
Response: 329535474
Conc: 45.93 ng/ml



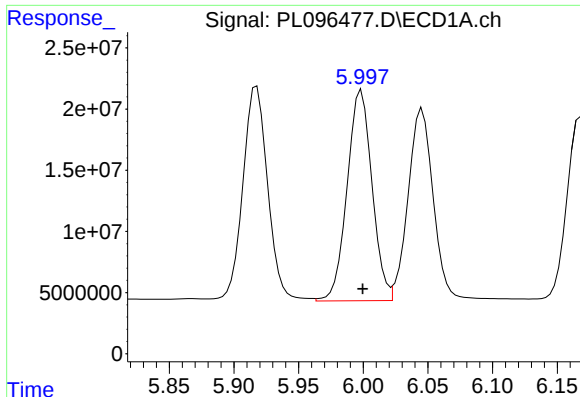
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.002 min
Response: 228469569
Conc: 51.63 ng/ml m



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 381505685
Conc: 54.35 ng/ml



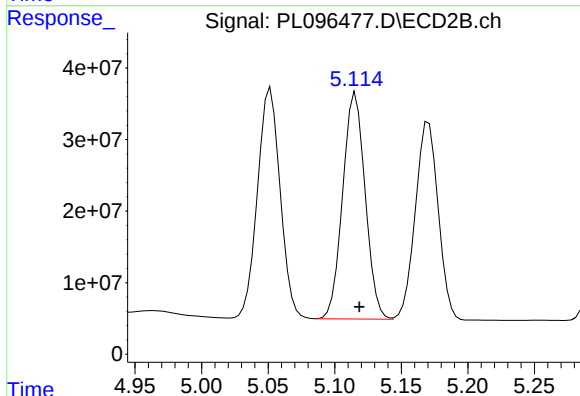
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 230639940
Conc: 52.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

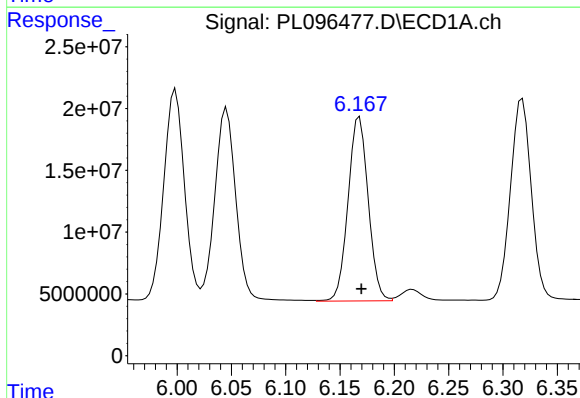
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



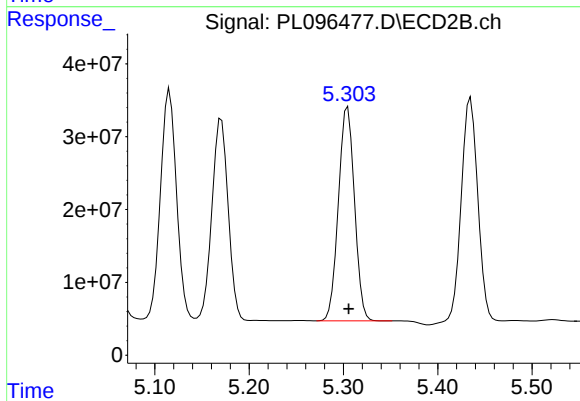
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 371795489
Conc: 49.44 ng/ml



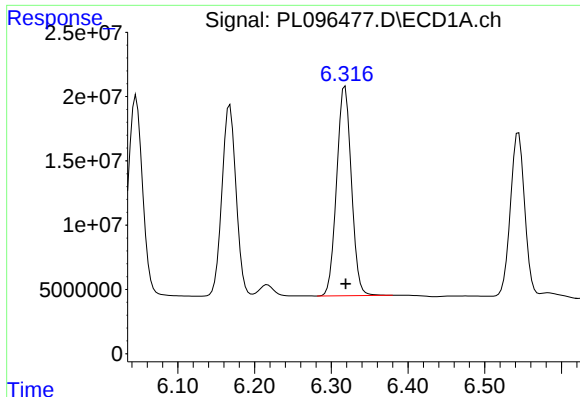
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 192228186
Conc: 51.85 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 348499407
Conc: 53.92 ng/ml



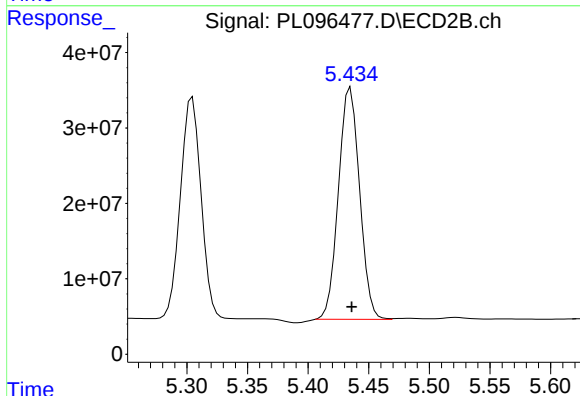
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 217578943
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

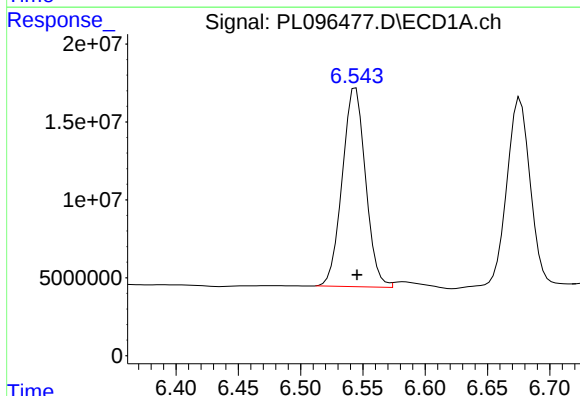
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



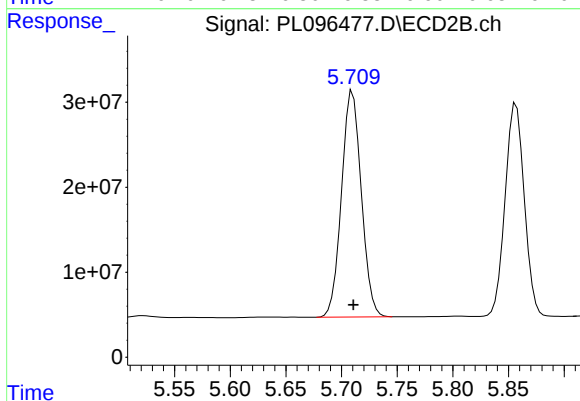
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.003 min
Response: 373483545
Conc: 54.77 ng/ml m



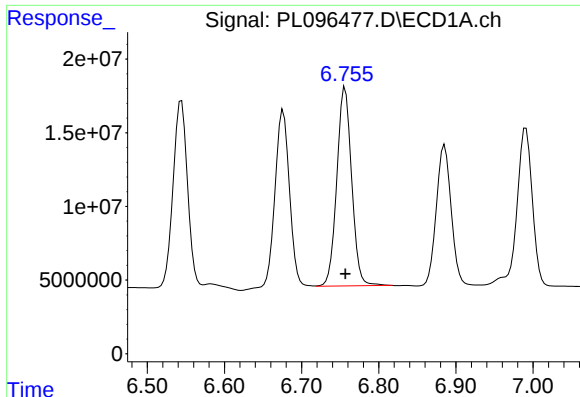
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 166550298
Conc: 53.55 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 329596682
Conc: 54.06 ng/ml



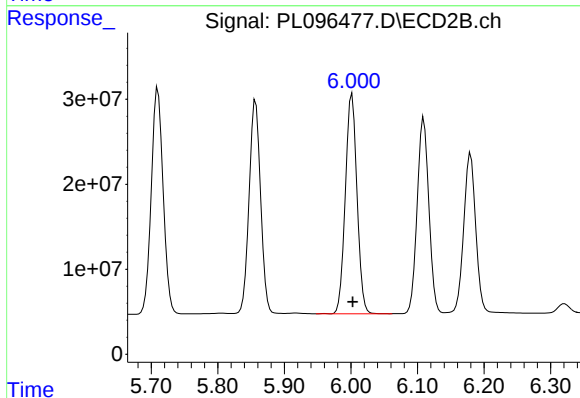
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 180604420
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

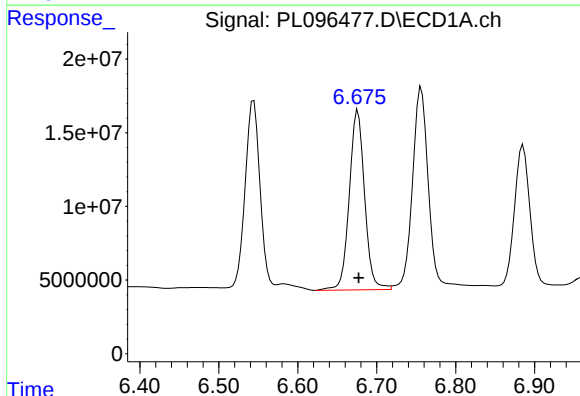
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



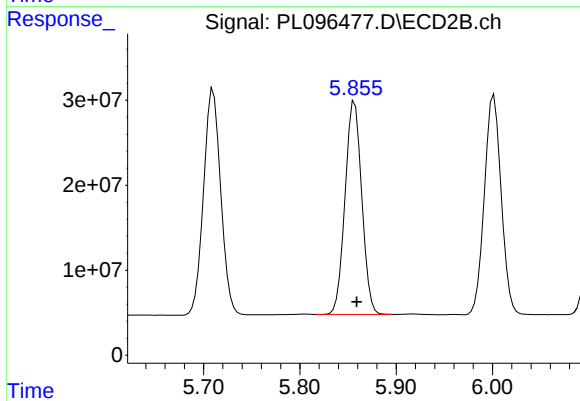
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: -0.001 min
Response: 314459420
Conc: 53.63 ng/ml



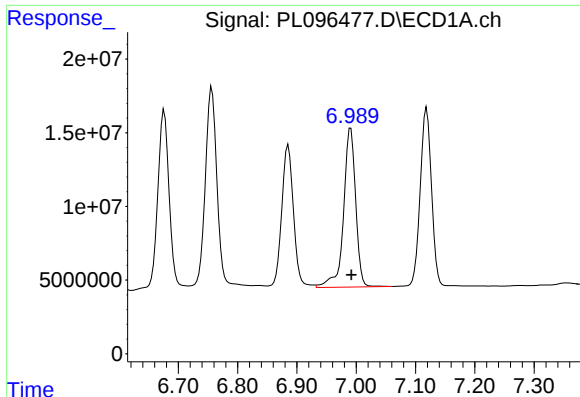
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 164883253
Conc: 56.63 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 300440768
Conc: 58.58 ng/ml



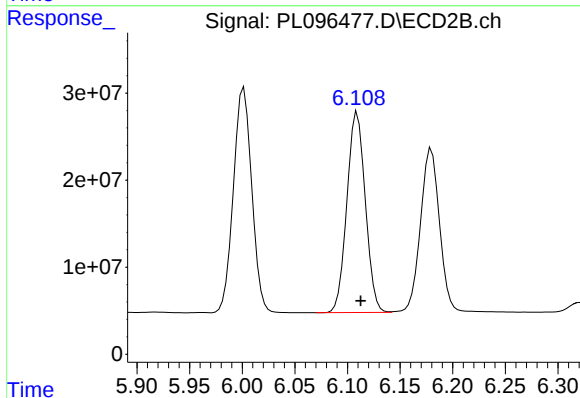
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 153785013
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

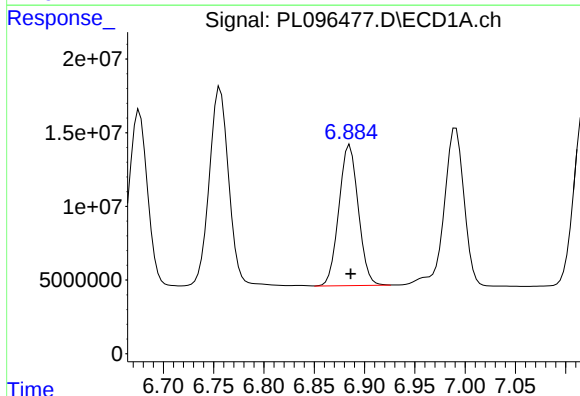
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



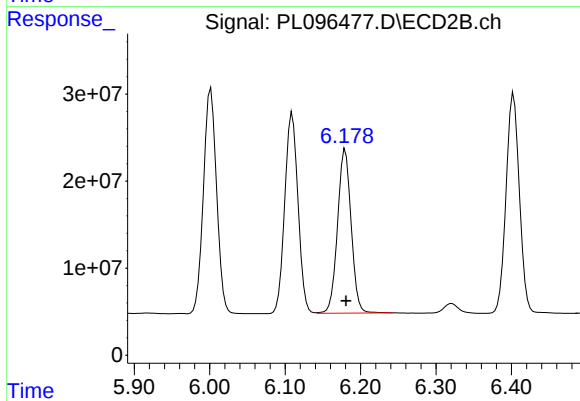
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 281669310
Conc: 49.11 ng/ml



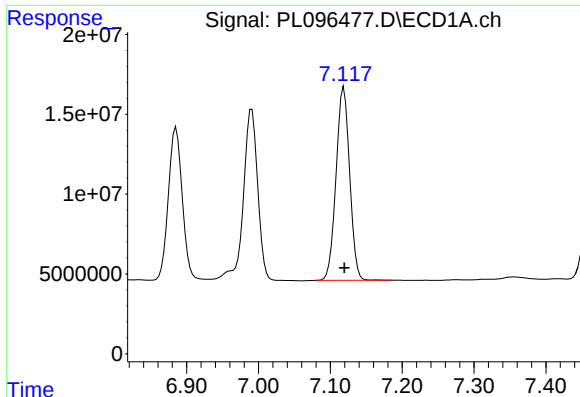
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 128000169
Conc: 57.26 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 236388653
Conc: 53.07 ng/ml



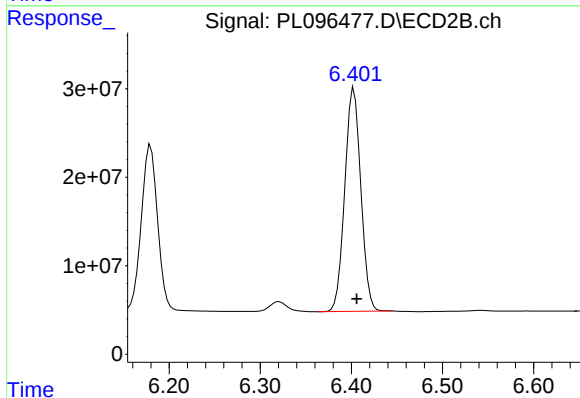
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 158679609
Conc: 51.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

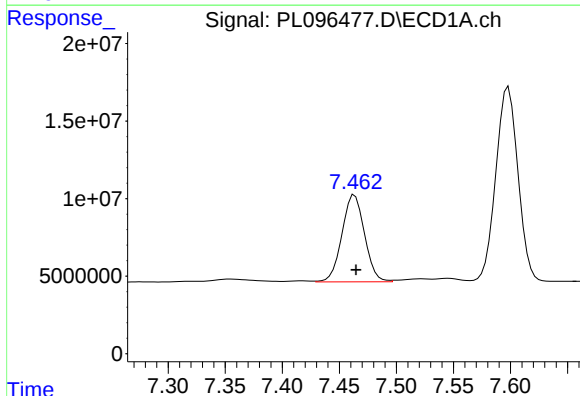
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



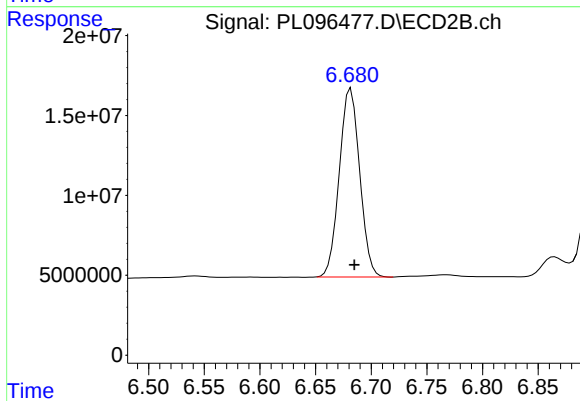
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 309007394
Conc: 54.94 ng/ml



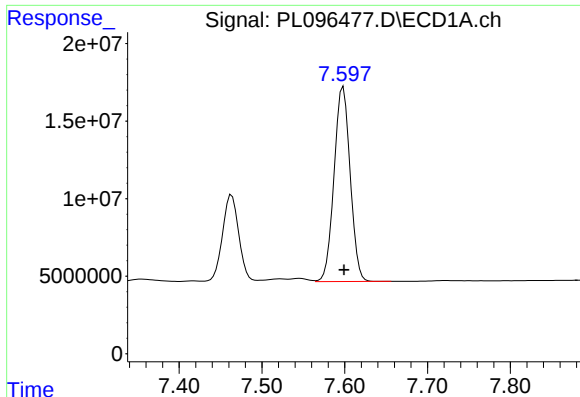
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 77135128
Conc: 48.96 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 150504985
Conc: 49.54 ng/ml



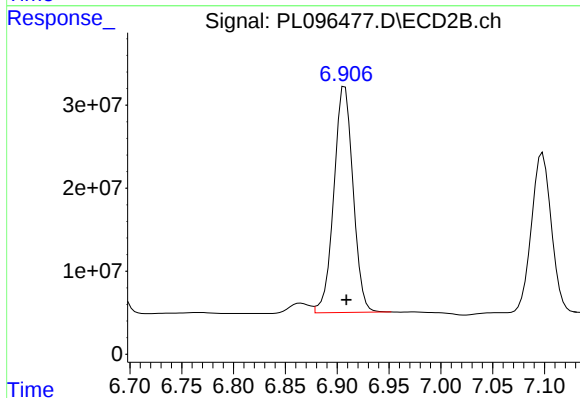
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.001 min
Response: 169893536
Conc: 51.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

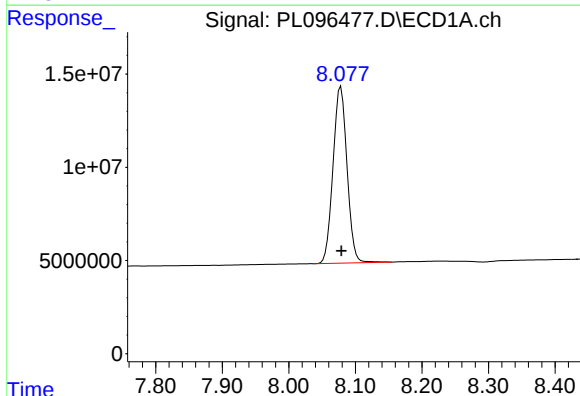
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



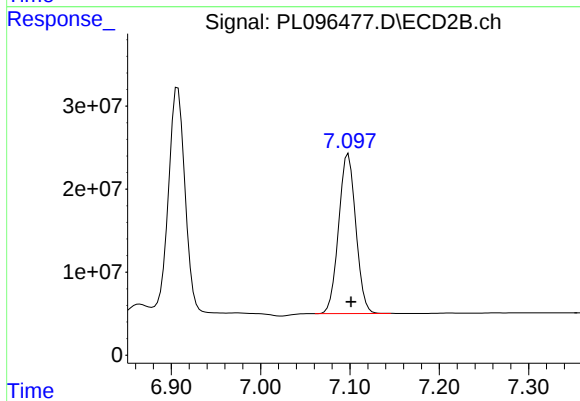
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 351169459
Conc: 56.17 ng/ml



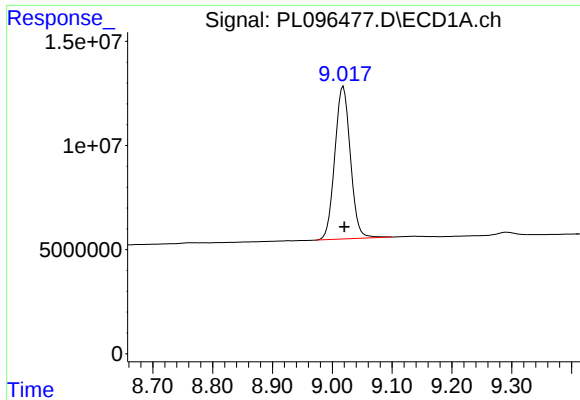
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 138738437
Conc: 49.87 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 256560799
Conc: 51.64 ng/ml



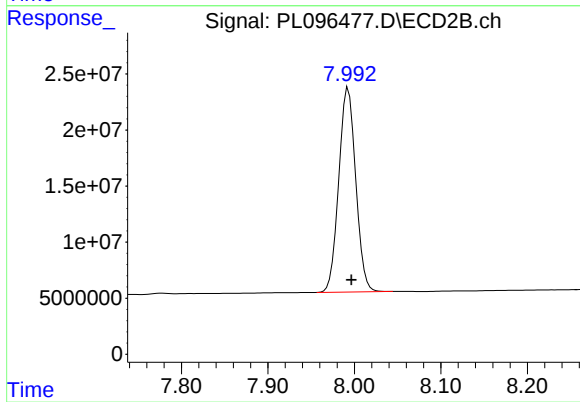
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.001 min
Response: 132960076
Conc: 47.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 247159612
Conc: 49.57 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

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

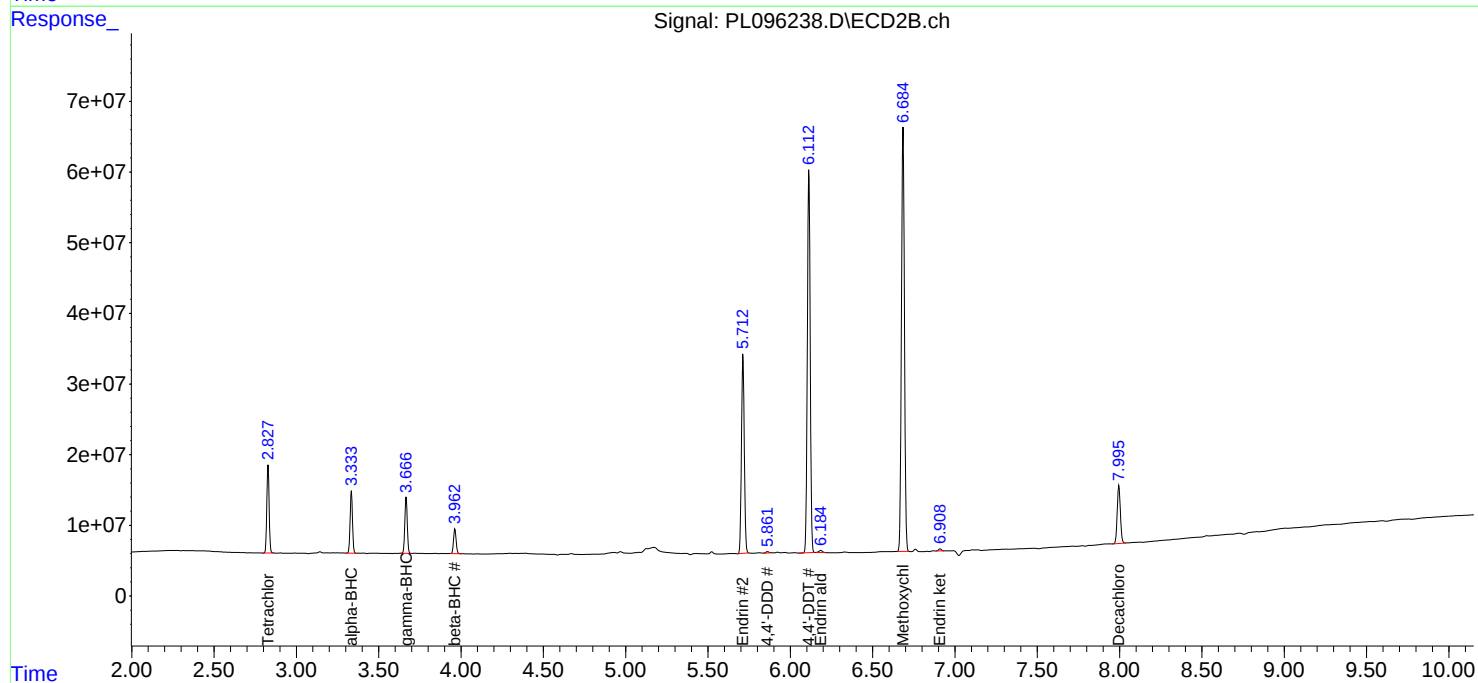
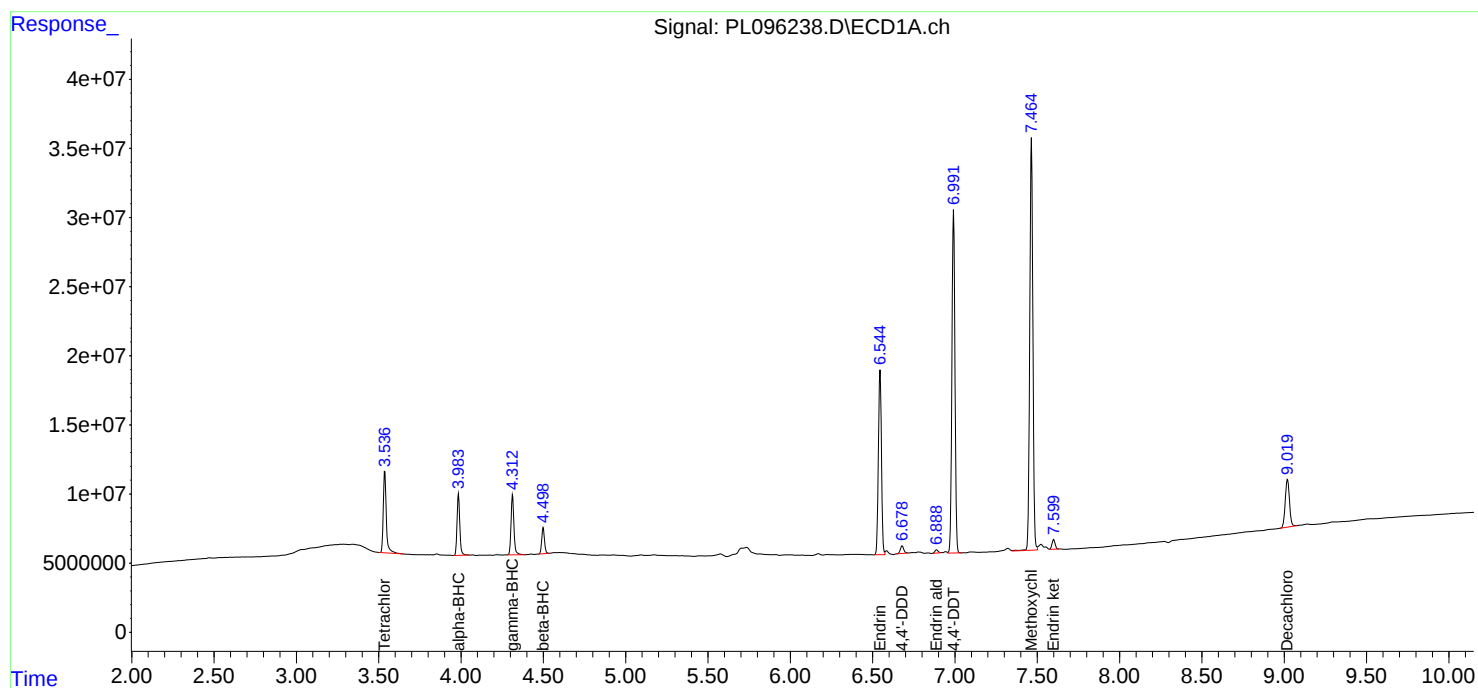
Instrument :
ECD_L
ClientSampleId :
PEM

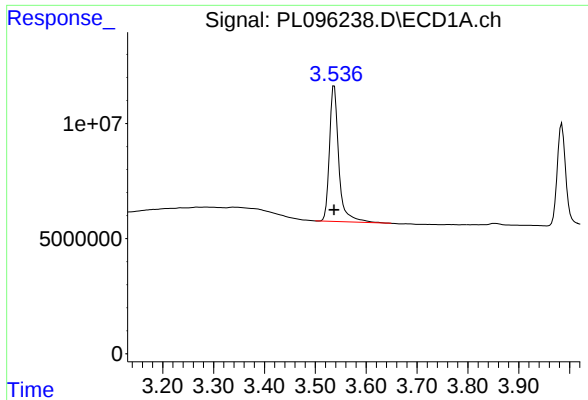
Manual Integrations
APPROVED

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





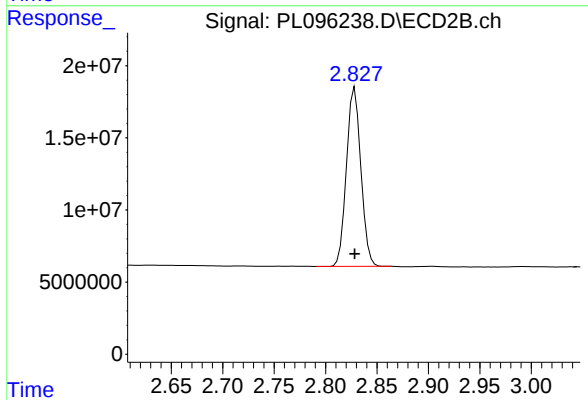
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PEM

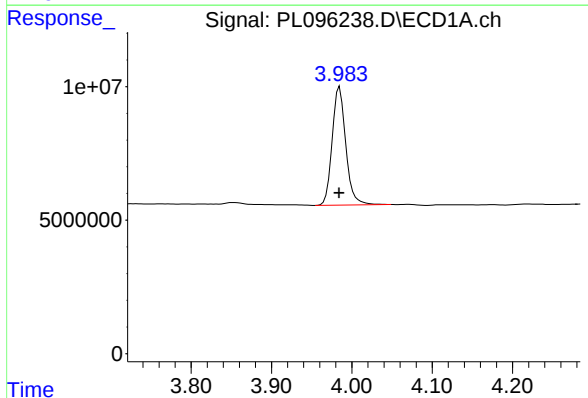
Manual Integrations
APPROVED

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



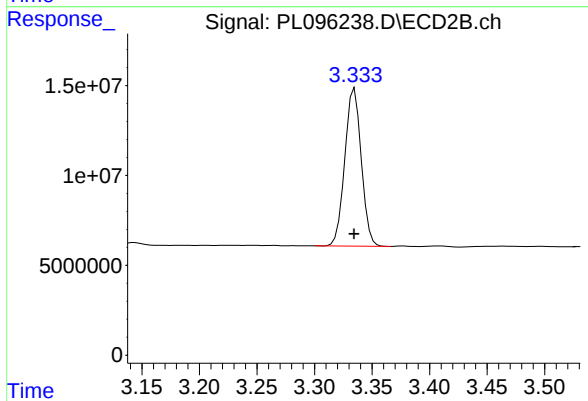
#1 Tetrachloro-m-xylene

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



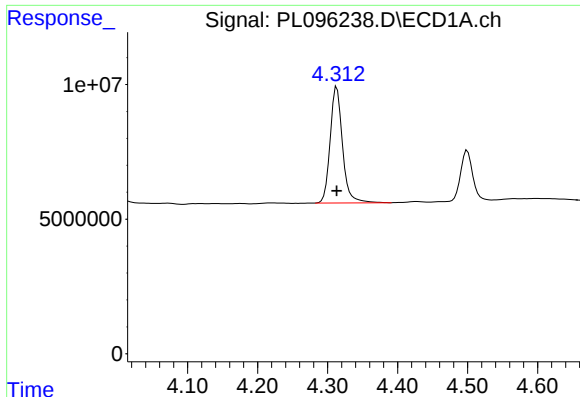
#2 alpha-BHC

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



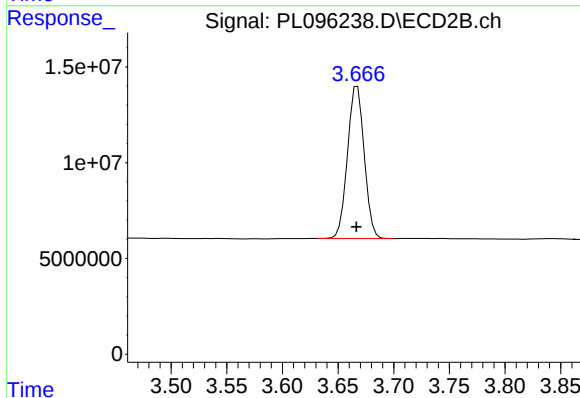
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PEM

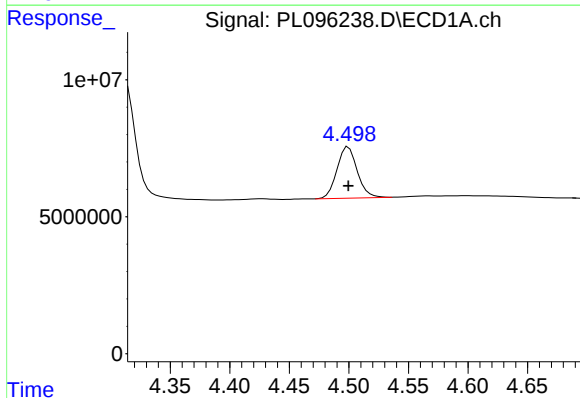
Manual Integrations
APPROVED

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



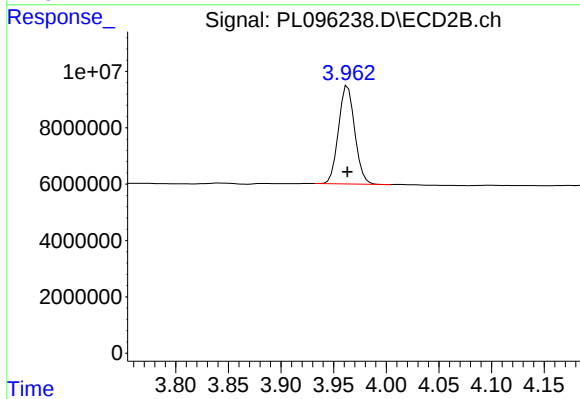
#3 gamma-BHC (Lindane)

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



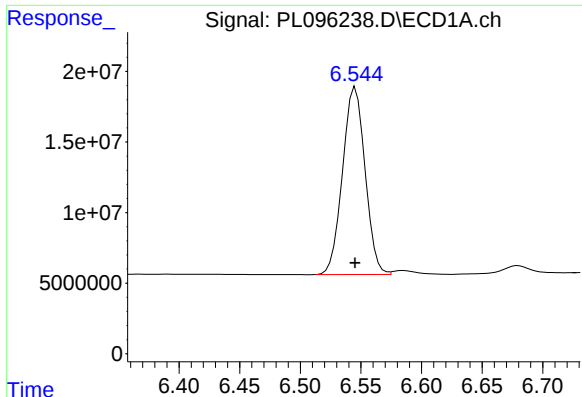
#6 beta-BHC

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



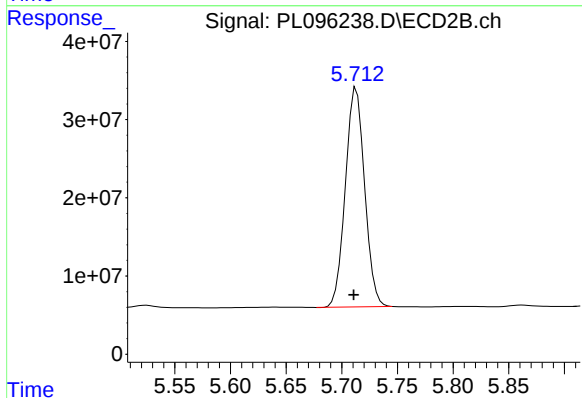
#14 Endrin

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

Instrument :
ECD_L
ClientSampleId :
PEM

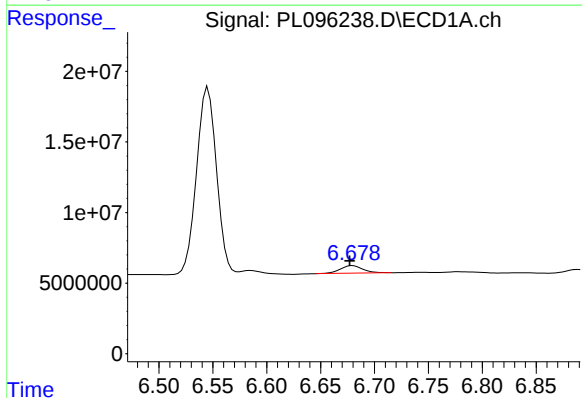
Manual Integrations
APPROVED

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



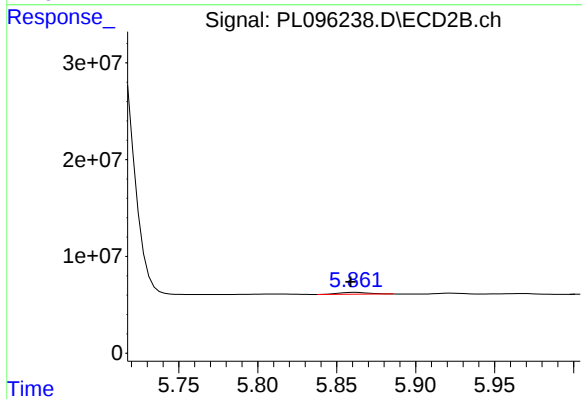
#14 Endrin

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



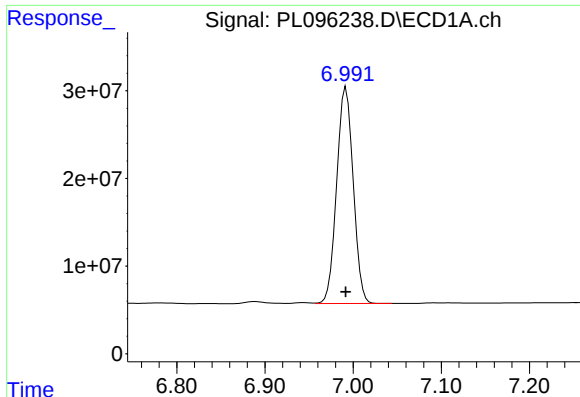
#16 4,4'-DDD

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



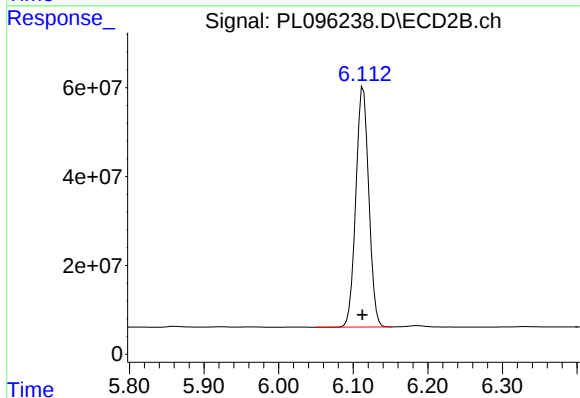
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PEM

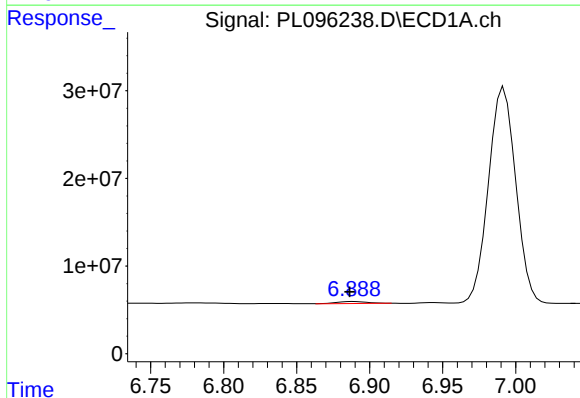
Manual Integrations
APPROVED

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



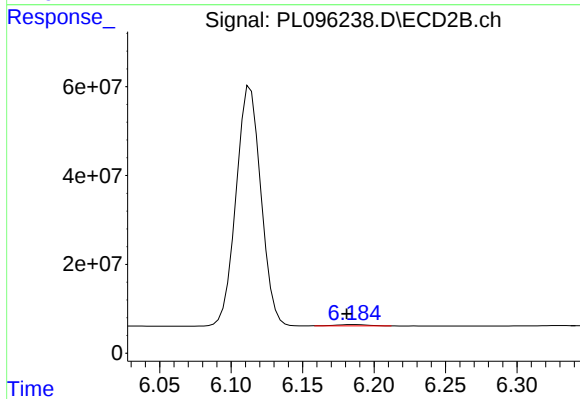
#17 4,4'-DDT

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



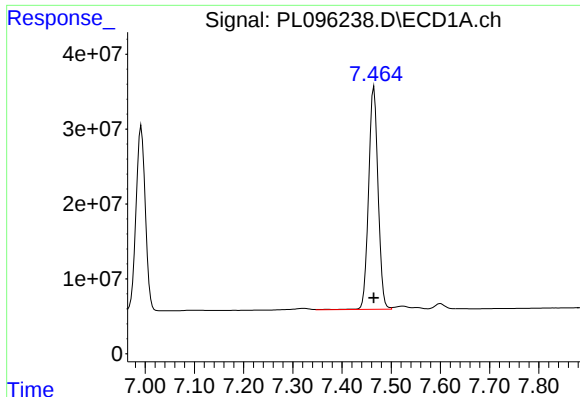
#18 Endrin aldehyde

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



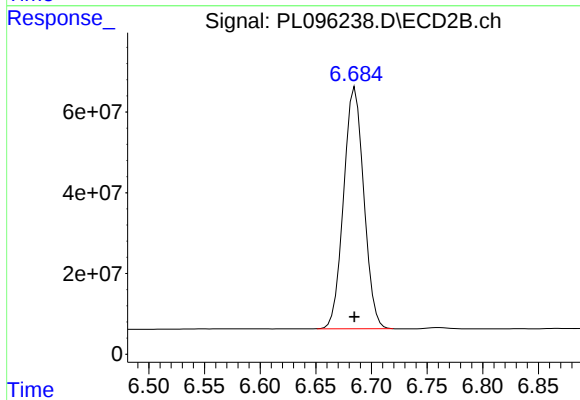
#20 Methoxychlor

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

Instrument :
ECD_L
ClientSampleId :
PEM

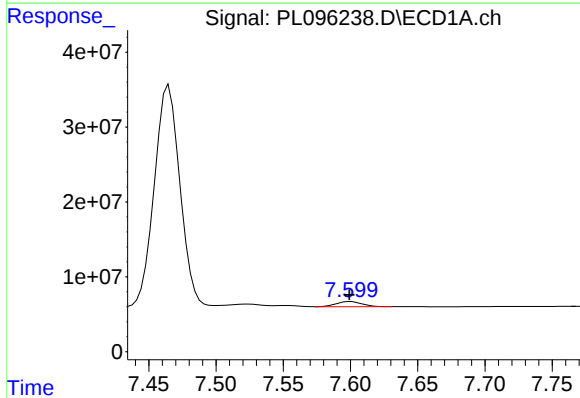
Manual Integrations
APPROVED

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



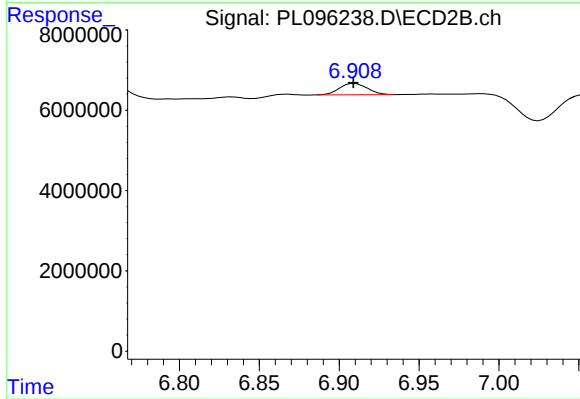
#20 Methoxychlor

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



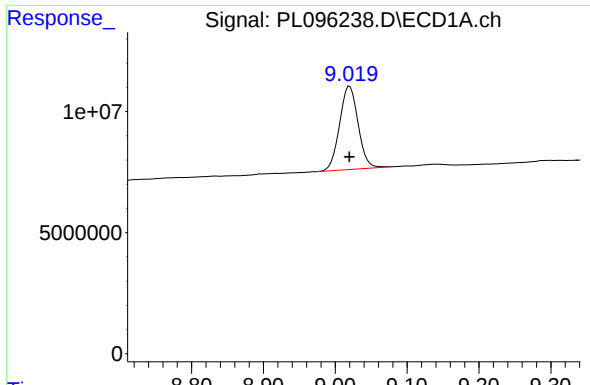
#21 Endrin ketone

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



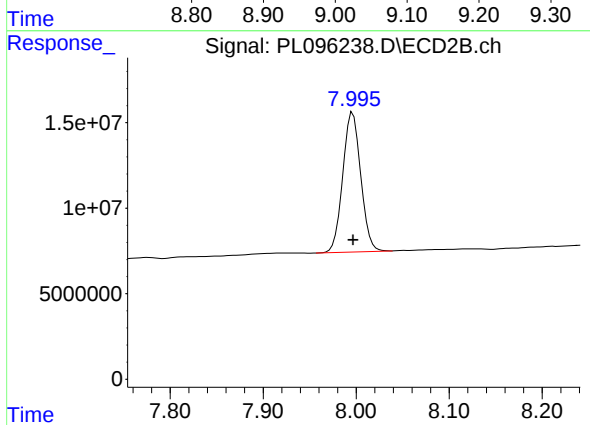
#28 Decachlorobiphenyl

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



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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: PARS02
Lab Code: ACE SDG NO.: Q2592

GC Column: ID: (mm) Initi. Calib. Date(s):
Client Sample No. (PEM): Date Analyzed:
Lab Sample No.(PEM): Time Analyzed:

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	

Data File: PEM
 PL096442.D Date Acquired 7/18/2025 8:53
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.54	178819955.6	188555698.8	9735743.14	5.16
Endrin aldehyde	6.89	3119823.084			
Endrin ketone	7.60	6615920.052			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	341350070.8	363937793.7	22587723	6.21
Endrin aldehyde #2	6.18	11177603.55			
Endrin ketone #2	6.91	11410119.41			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	311072156	322686283.9	11614127.9	3.60
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	11614127.87			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	616743456.1	633426695	16683238.9	2.63
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	16683238.94			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096442.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 08:53
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:21:52 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...	3.536	2.828	78657602	129.9E6	21.556	22.510
28)	SA Decachlor...	9.019	7.993	55938758	104.2E6	19.885	20.896
Target Compounds							
2)	A alpha-BHC	3.984	3.333	53530501	94648648	10.408	11.222
3)	MA gamma-BHC...	4.312	3.665	54470261	89381770	10.939	11.349
6)	B beta-BHC	4.498	3.961	23804444	40607086	11.451	11.860
14)	MA Endrin	6.544	5.709	178.8E6	341.4E6	57.494	55.991
16)	A 4,4'-DDD	6.677	5.857	11614128	16683239	3.989	3.253
17)	MA 4,4'-DDT	6.991	6.109	311.1E6	616.7E6	102.488	107.538
18)	B Endrin al...	6.886	6.181	3119823	11177604	1.396m	2.509 #
20)	A Methoxychlor	7.464	6.682	382.9E6	714.4E6	243.046	235.157
21)	B Endrin ke...	7.598	6.906	6615920	11410119	2.004	1.825

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 08:53
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

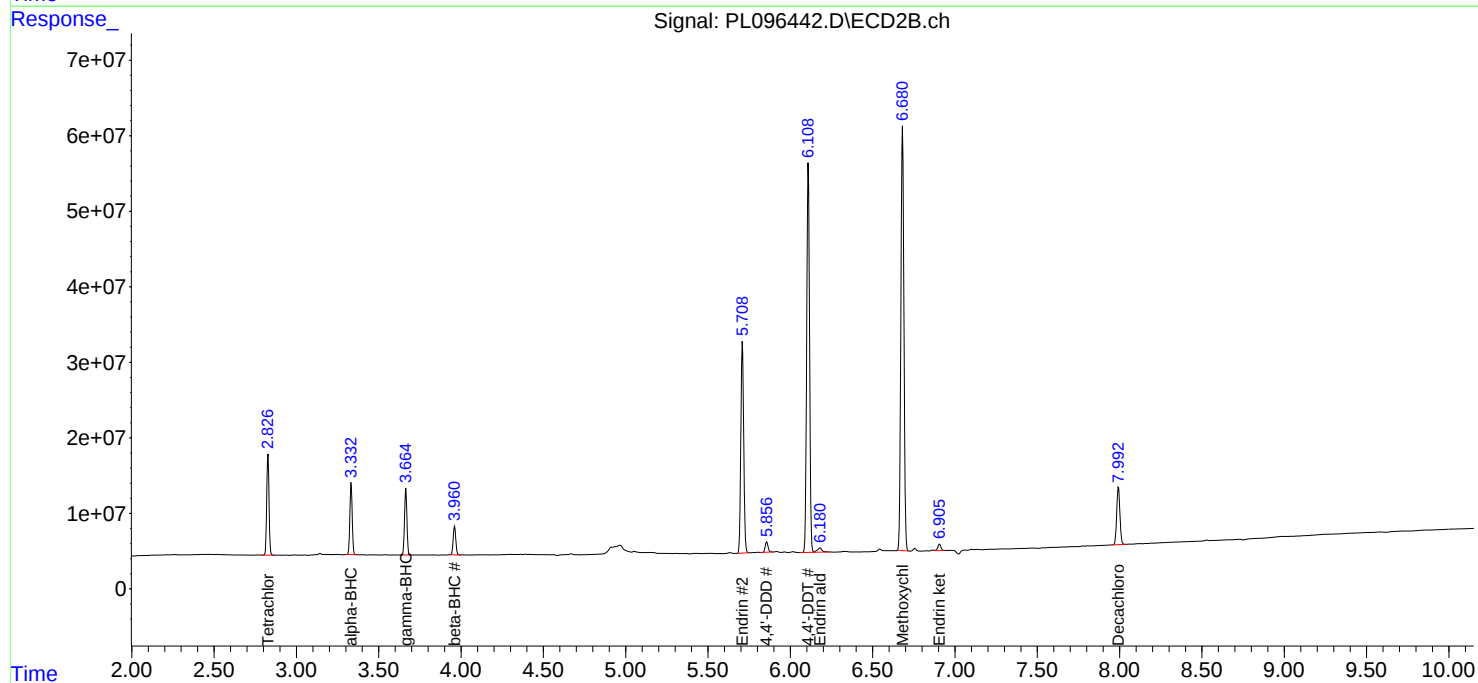
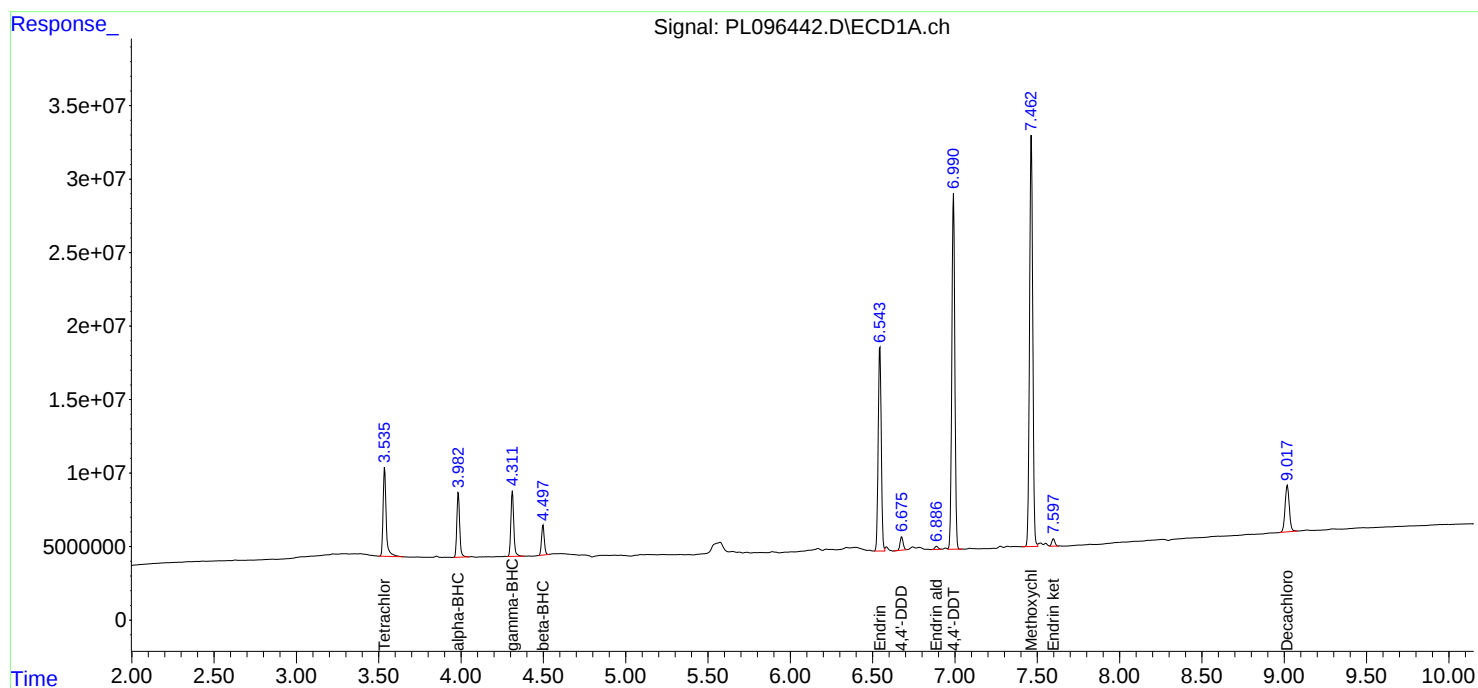
Instrument :
ECD_L
ClientSampleId :
PEM

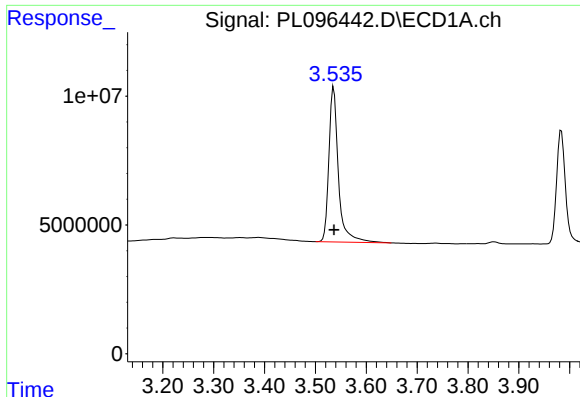
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:21:52 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





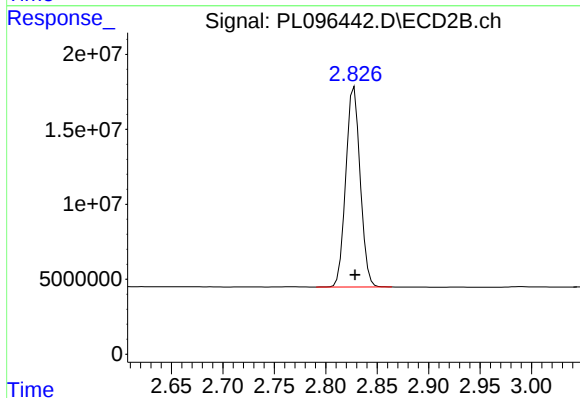
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 78657602
Conc: 21.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

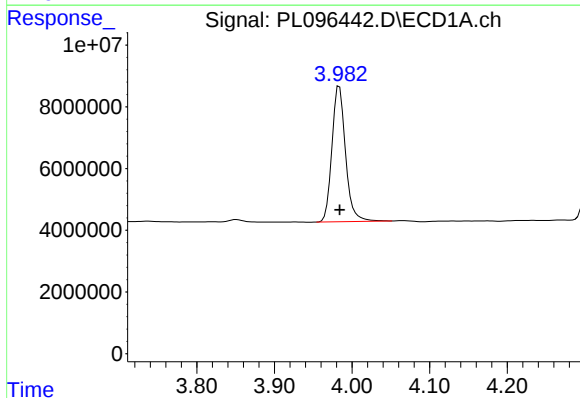
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



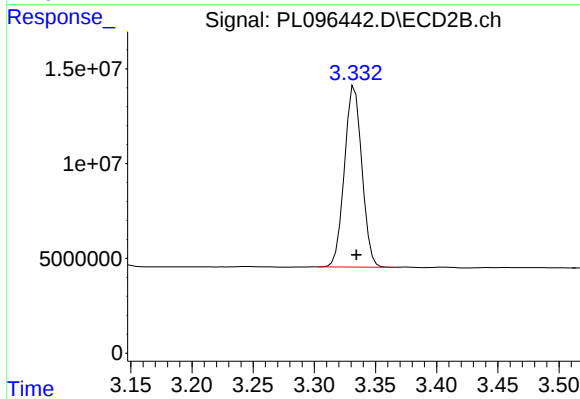
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 129910583
Conc: 22.51 ng/ml



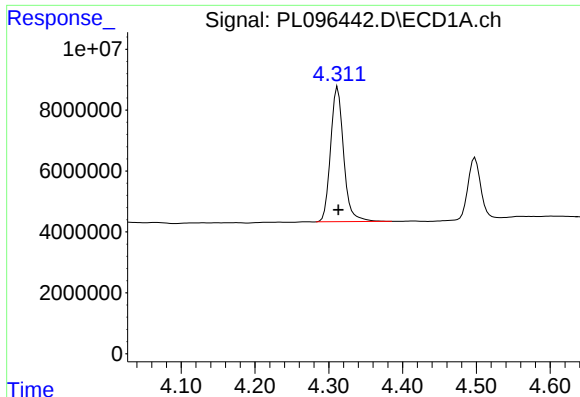
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 53530501
Conc: 10.41 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 94648648
Conc: 11.22 ng/ml



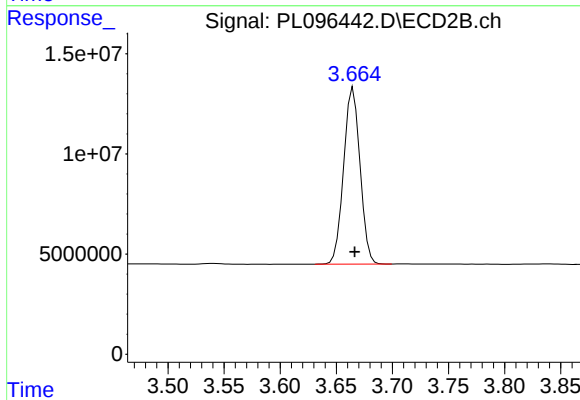
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 54470261
Conc: 10.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

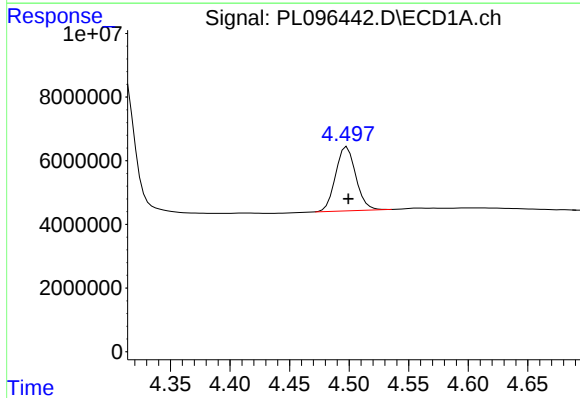
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



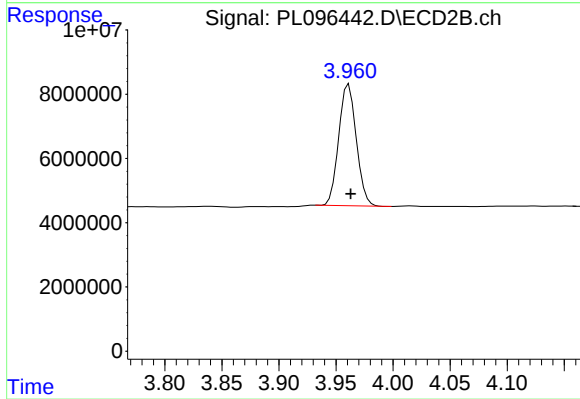
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 89381770
Conc: 11.35 ng/ml



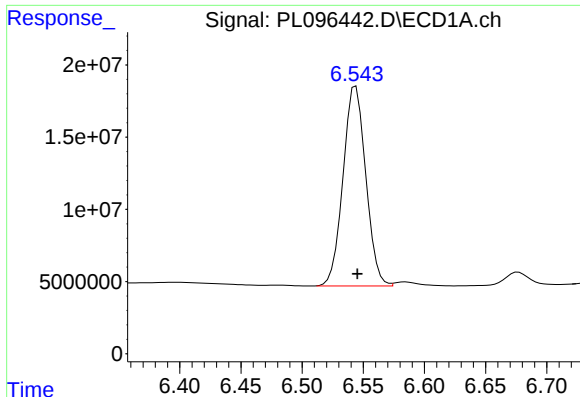
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 23804444
Conc: 11.45 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 40607086
Conc: 11.86 ng/ml



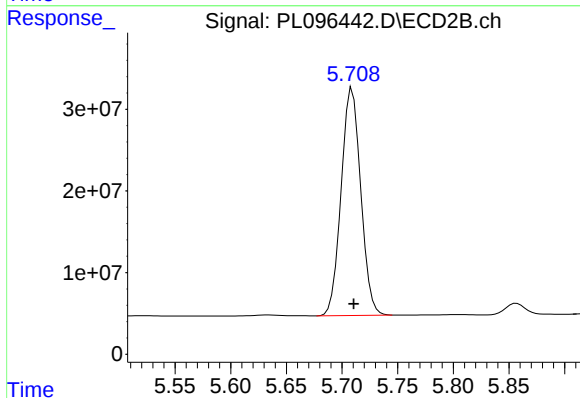
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 178819956
Conc: 57.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

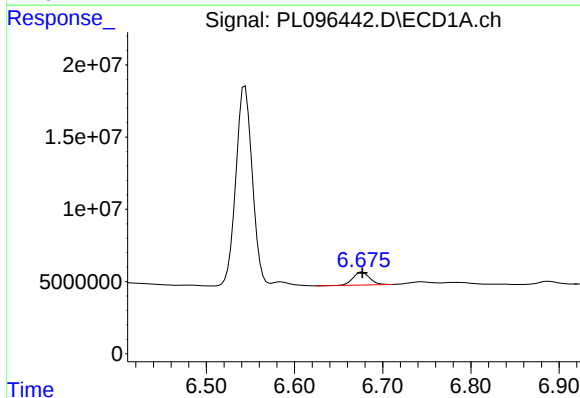
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



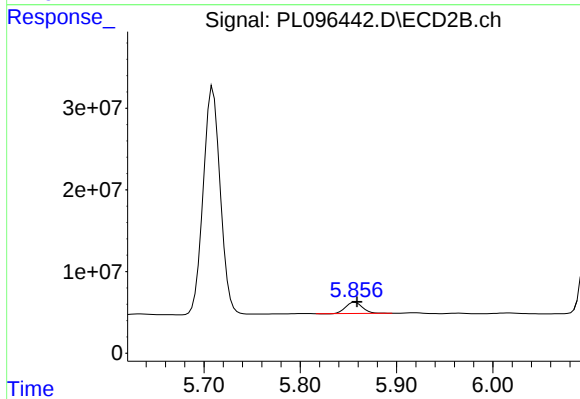
#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 341350071
Conc: 55.99 ng/ml



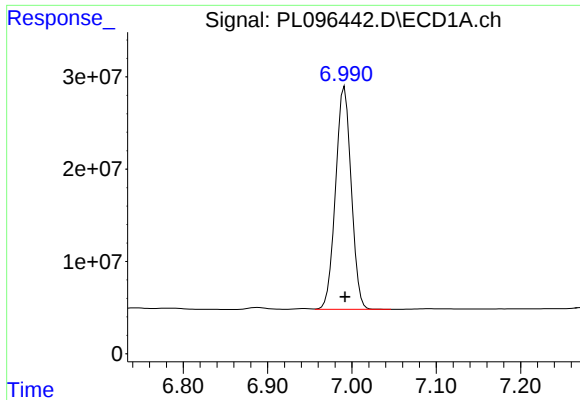
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 11614128
Conc: 3.99 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 16683239
Conc: 3.25 ng/ml



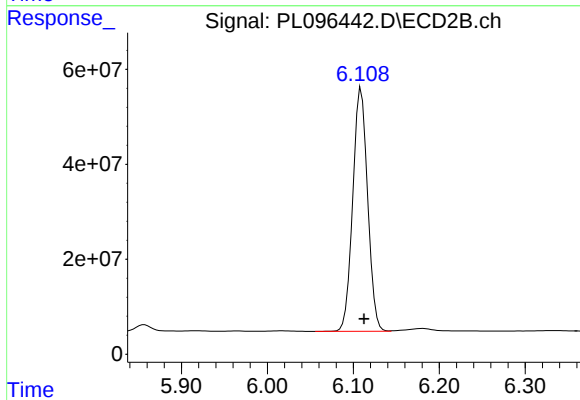
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 311072156
Conc: 102.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

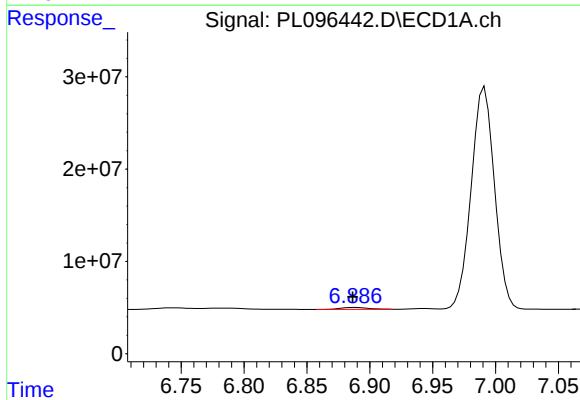
Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



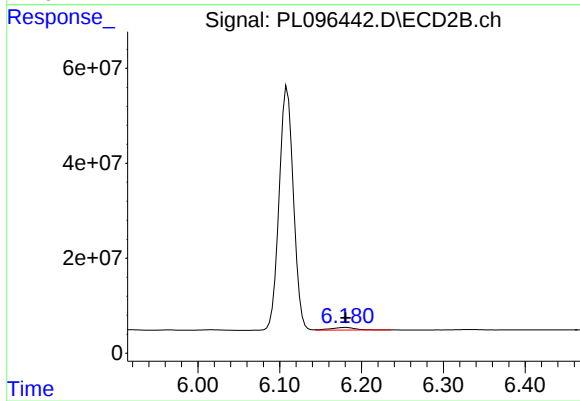
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 616743456
Conc: 107.54 ng/ml



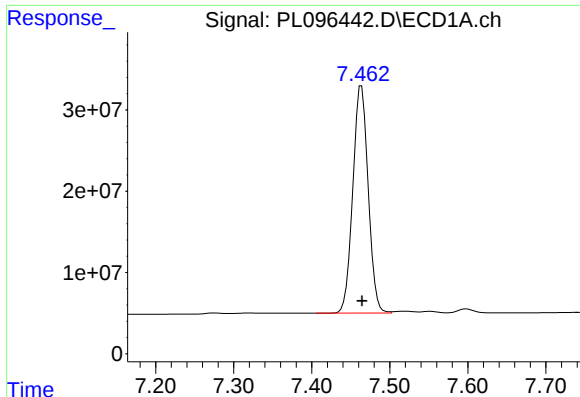
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 3119823
Conc: 1.40 ng/ml m



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 11177604
Conc: 2.51 ng/ml



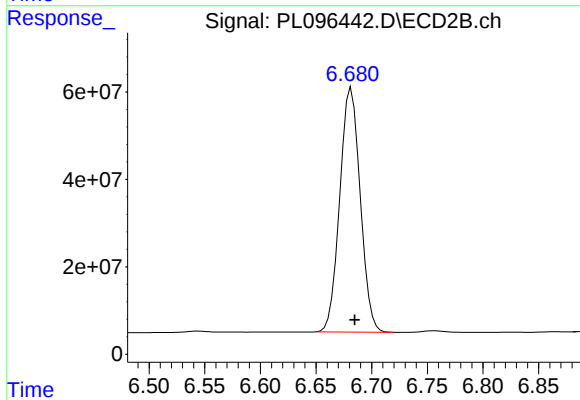
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 382894487
Conc: 243.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

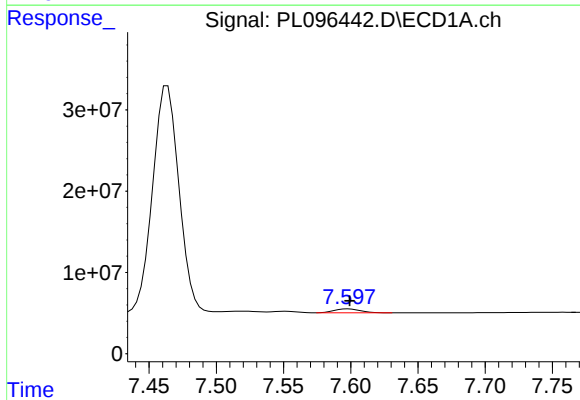
Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



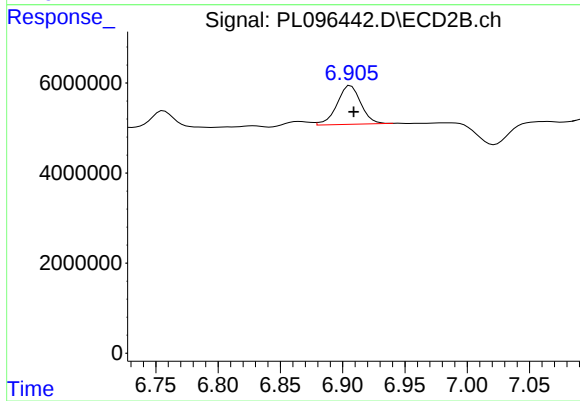
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 714352502
Conc: 235.16 ng/ml



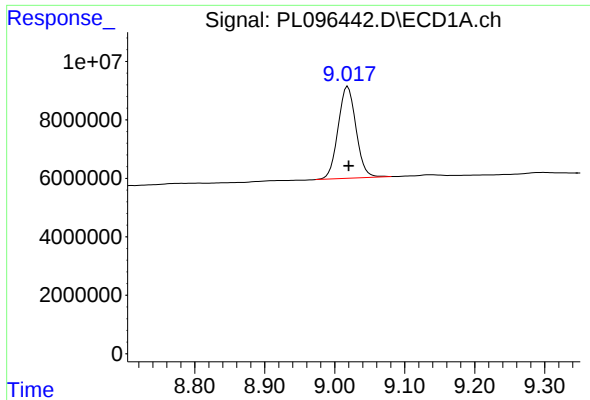
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: -0.001 min
Response: 6615920
Conc: 2.00 ng/ml



#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 11410119
Conc: 1.82 ng/ml



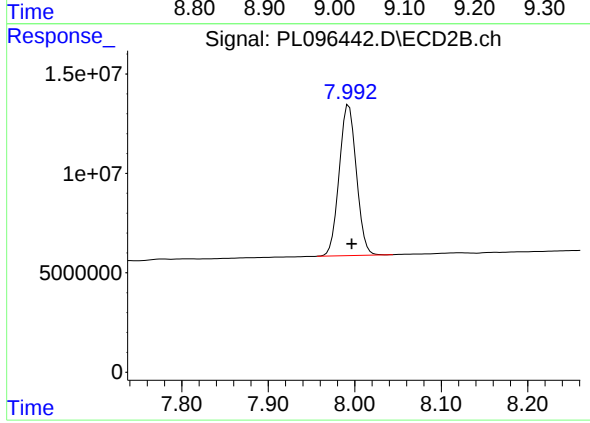
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: -0.001 min
Response: 55938758
Conc: 19.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 104195801
Conc: 20.90 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

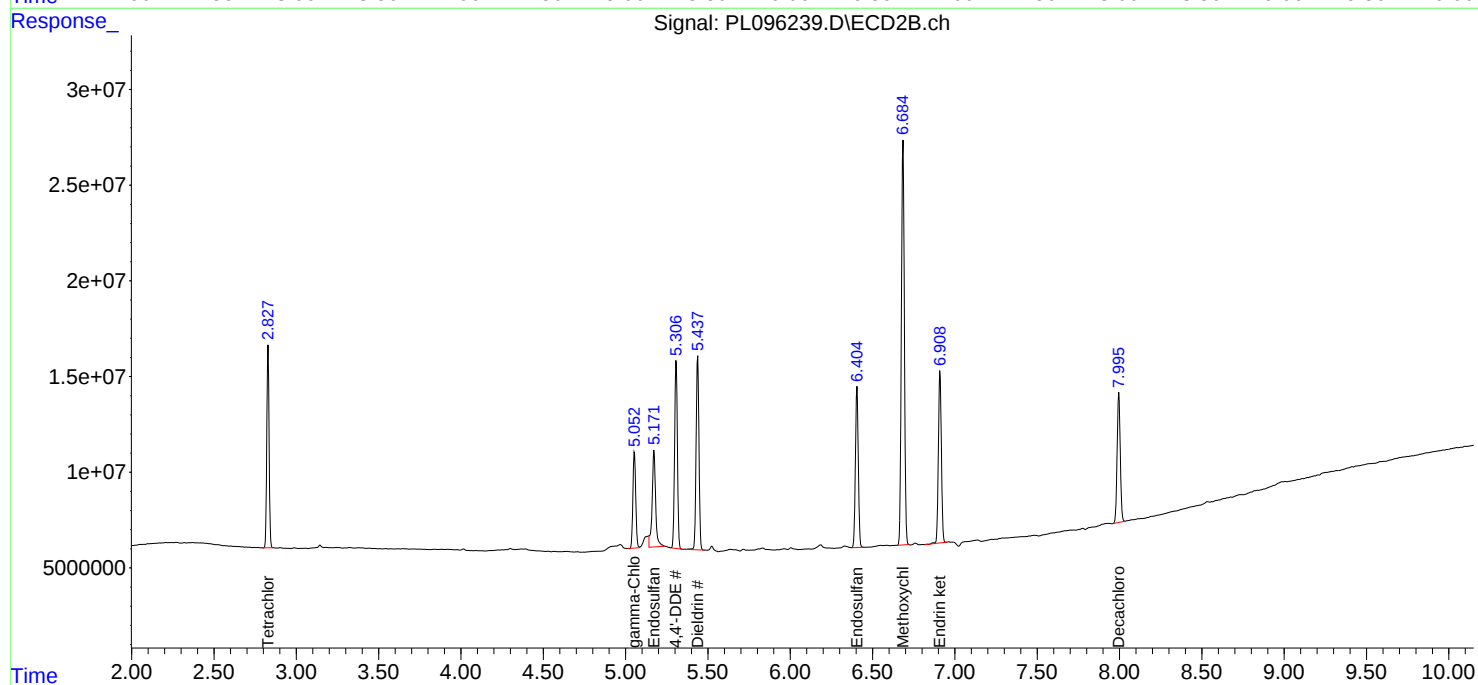
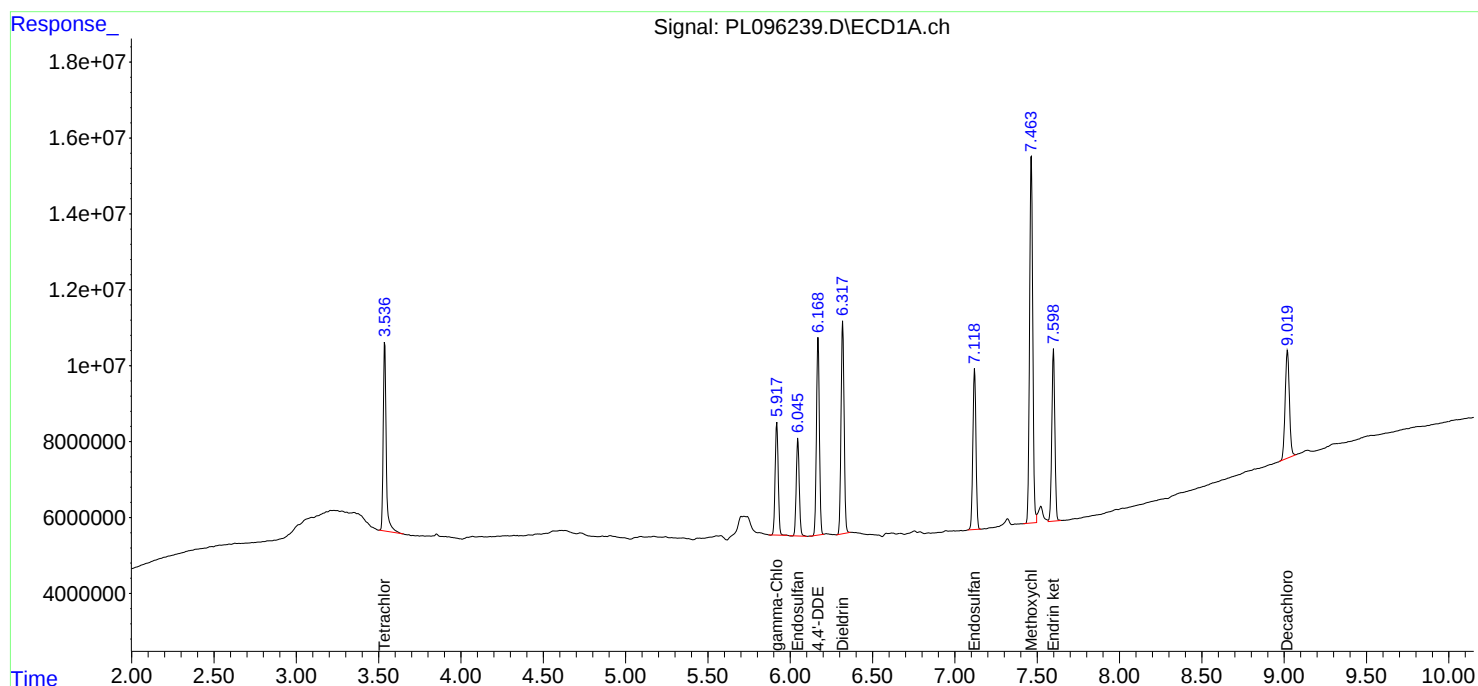
Instrument :
ECD_L
ClientSampleId :
RESCHK

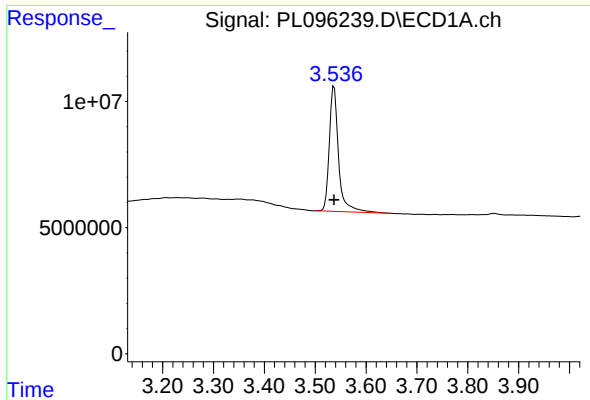
Manual Integrations
APPROVED

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





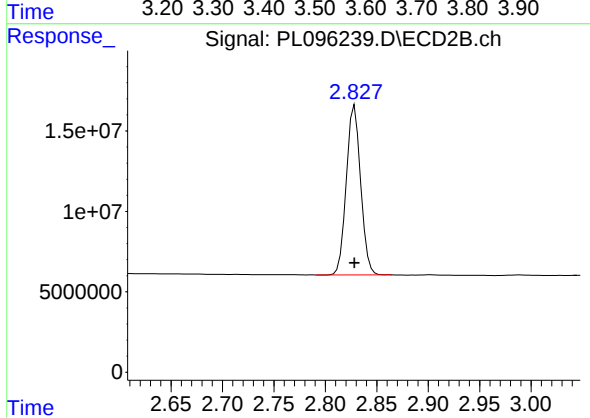
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

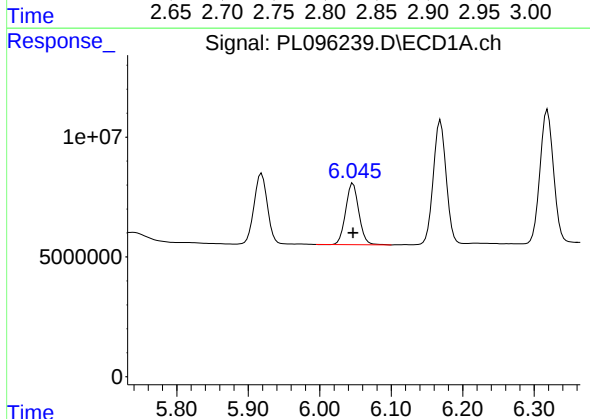
Manual Integrations
APPROVED

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



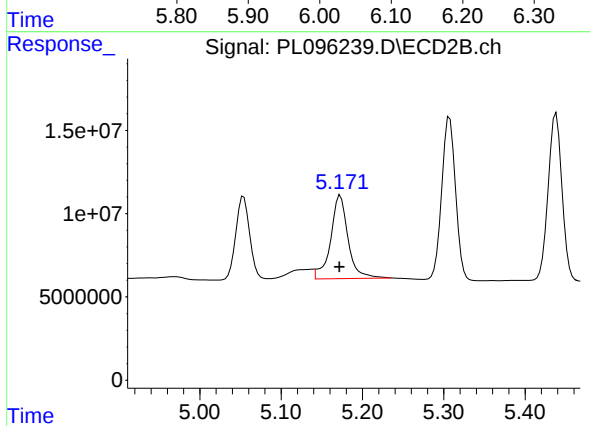
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



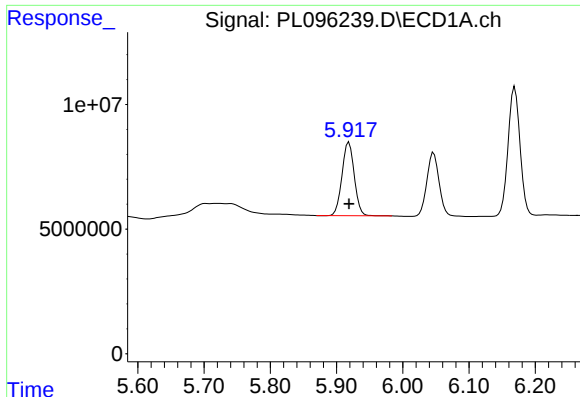
#9 Endosulfan I

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



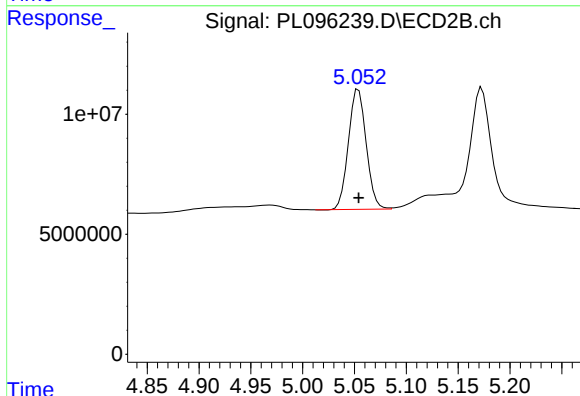
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

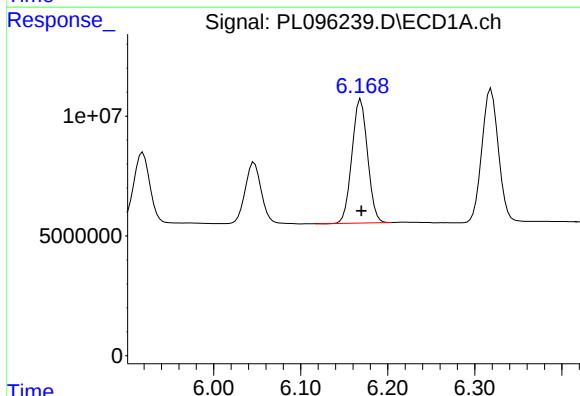
Manual Integrations
APPROVED

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



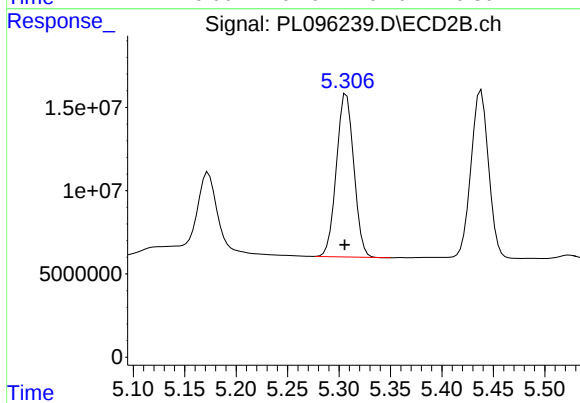
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



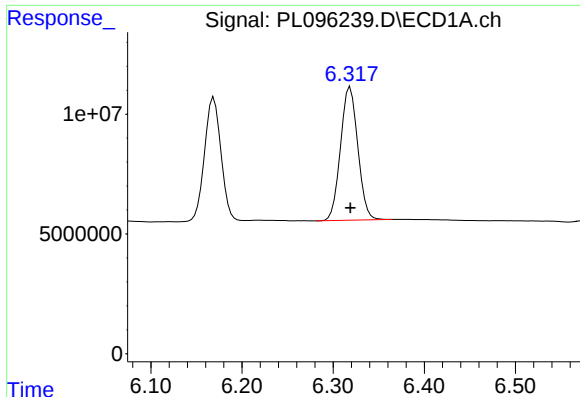
#12 4,4'-DDE

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



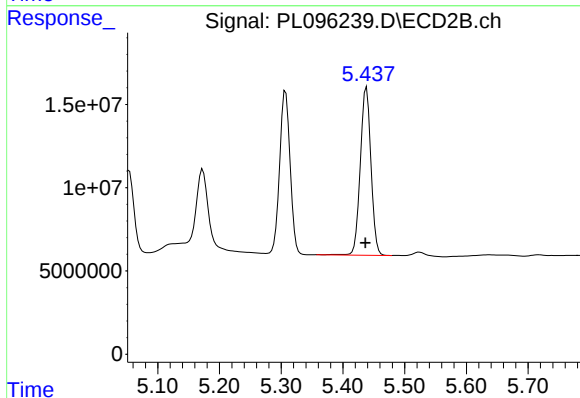
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

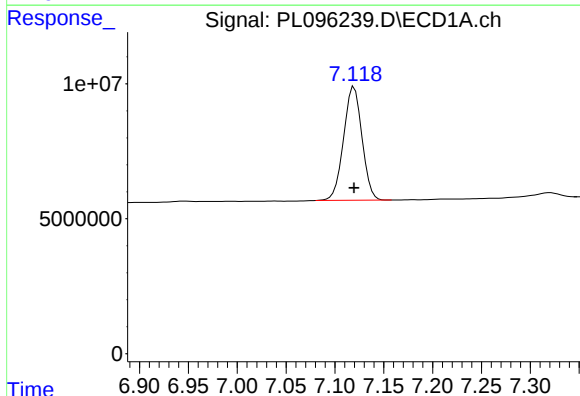
Manual Integrations
APPROVED

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



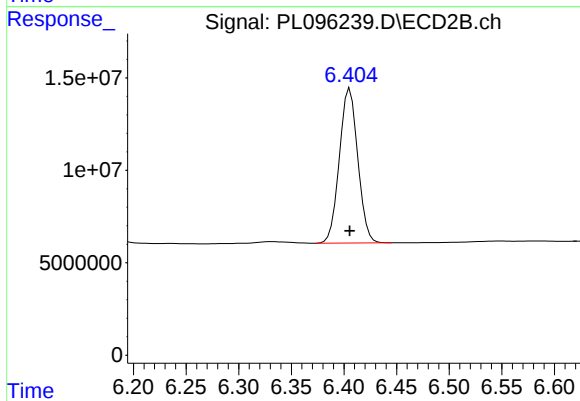
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



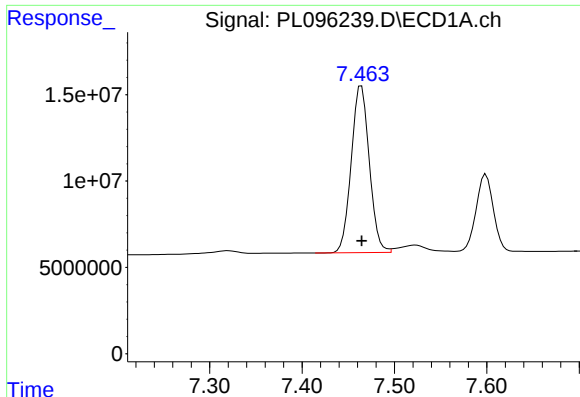
#19 Endosulfan Sulfate

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



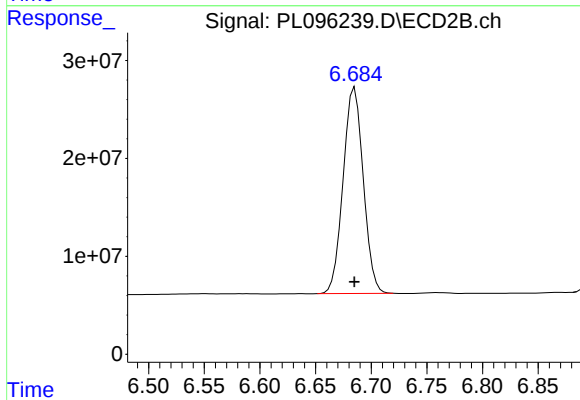
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

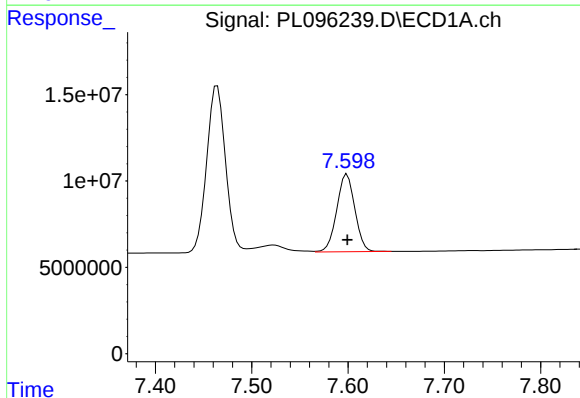
Manual Integrations
APPROVED

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



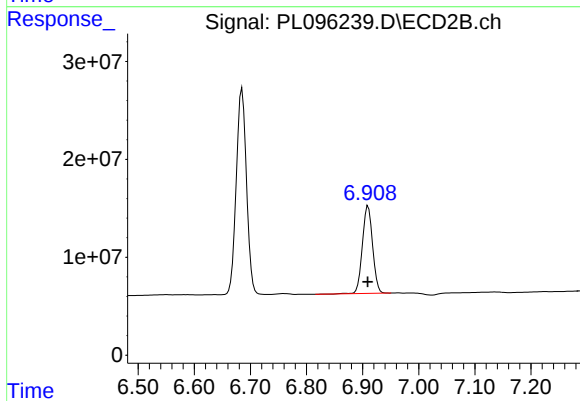
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



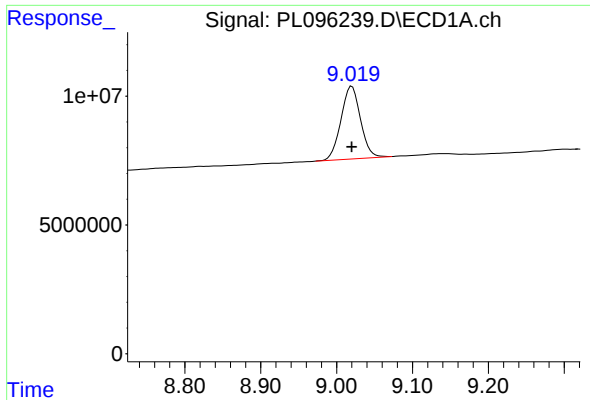
#21 Endrin ketone

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



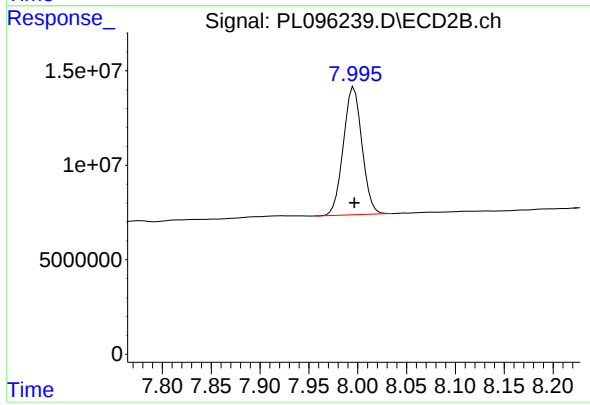
#28 Decachlorobiphenyl

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: PARSONS Engineering of New York, Inc.	SDG No.: Q2592
Project: Con Edison - East River Site 2	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
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	9.02	3.54
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	9.02	3.54
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	9.02	3.54
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	9.02	3.54
PSTDICC005	PSTDICC005	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	07/18/2025	08:40	PL096441.D	9.02	3.54
PEM	PEM	07/18/2025	08:53	PL096442.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/18/2025	09:07	PL096443.D	9.02	3.54
WC-SOIL-20250711	Q2592-02	07/18/2025	11:07	PL096450.D	9.02	3.54
IBLK	IBLK	07/18/2025	11:34	PL096452.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/18/2025	11:48	PL096453.D	9.02	3.54
WC-SOIL-20250711MS	Q2592-02MS	07/18/2025	13:54	PL096462.D	9.02	3.54
WC-SOIL-20250711MSD	Q2592-02MSD	07/18/2025	14:07	PL096463.D	9.02	3.54
IBLK	IBLK	07/18/2025	14:40	PL096464.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/18/2025	14:53	PL096465.D	9.02	3.54
PB168847TB	PB168847TB	07/18/2025	16:01	PL096470.D	9.02	3.54
PB168887BL	PB168887BL	07/18/2025	16:56	PL096474.D	9.02	3.54
PB168887BS	PB168887BS	07/18/2025	17:09	PL096475.D	9.02	3.54
IBLK	IBLK	07/18/2025	17:23	PL096476.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/18/2025	17:37	PL096477.D	9.02	3.54

Analytical Sequence

Client: PARSONS Engineering of New York, Inc.	SDG No.: Q2592
Project: Con Edison - East River Site 2	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
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	8.00	2.83
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	8.00	2.83
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	8.00	2.83
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	8.00	2.83
PSTDICC005	PSTDICC005	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	07/18/2025	08:40	PL096441.D	7.99	2.83
PEM	PEM	07/18/2025	08:53	PL096442.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/18/2025	09:07	PL096443.D	7.99	2.83
WC-SOIL-20250711	Q2592-02	07/18/2025	11:07	PL096450.D	7.99	2.83
IBLK	IBLK	07/18/2025	11:34	PL096452.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/18/2025	11:48	PL096453.D	7.99	2.83
WC-SOIL-20250711MS	Q2592-02MS	07/18/2025	13:54	PL096462.D	7.99	2.83
WC-SOIL-20250711MSD	Q2592-02MSD	07/18/2025	14:07	PL096463.D	7.99	2.83
IBLK	IBLK	07/18/2025	14:40	PL096464.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/18/2025	14:53	PL096465.D	7.99	2.83
PB168847TB	PB168847TB	07/18/2025	16:01	PL096470.D	7.99	2.83
PB168887BL	PB168887BL	07/18/2025	16:56	PL096474.D	7.99	2.83
PB168887BS	PB168887BS	07/18/2025	17:09	PL096475.D	7.99	2.83
IBLK	IBLK	07/18/2025	17:23	PL096476.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/18/2025	17:37	PL096477.D	7.99	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168887BS

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: PB168887BS

Date(s) Analyzed: 07/18/2025 07/18/2025

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	0.51	1.8
	2	5.71	5.66	5.76	0.50	
Methoxychlor	1	7.46	7.41	7.51	0.45	2.1
	2	6.68	6.63	6.73	0.46	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	0.50	7.3
	2	3.67	3.62	3.72	0.54	
Heptachlor	1	4.91	4.86	4.96	0.50	5.3
	2	4.02	3.97	4.07	0.53	
Heptachlor epoxide	1	5.66	5.61	5.71	0.53	0.5
	2	4.80	4.75	4.85	0.53	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-SOIL-20250711MS

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: Q2592-02MS

Date(s) Analyzed: 07/18/2025 07/18/2025

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	5.10	10.3
	2	6.68	6.63	6.73	4.60	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.00	5.8
	2	3.67	3.62	3.72	5.30	
Heptachlor	1	4.90	4.85	4.95	4.90	2
	2	4.02	3.97	4.07	5.00	
Heptachlor epoxide	1	5.66	5.61	5.71	5.30	3.8
	2	4.80	4.75	4.85	5.10	
Endrin	1	6.55	6.50	6.60	5.20	3.9
	2	5.71	5.66	5.76	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-SOIL-20250711MSD

Lab Name: Alliance

Contract: PARS02

Lab Code: ACE

SDG NO.: Q2592

Lab Sample ID: Q2592-02MSD

Date(s) Analyzed: 07/18/2025 07/18/2025

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	4.90	4.2
	2	6.68	6.63	6.73	4.70	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	5.10	5.7
	2	3.67	3.62	3.72	5.40	
Heptachlor	1	4.90	4.85	4.95	5.00	2
	2	4.02	3.97	4.07	5.10	
Heptachlor epoxide	1	5.66	5.61	5.71	5.30	1.9
	2	4.80	4.75	4.85	5.20	



QC SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168887BL	SDG No.:	Q2592
Lab Sample ID:	PB168887BL	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
PL096474.D	1	07/16/25 11:02	07/18/25 16:56	PB168887

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		57 - 171	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		61 - 148	103%	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\PL071825\
 Data File : PL096474.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 16:56
 Operator : AR\AJ
 Sample : PB168887BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168887BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:27:04 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...	3.537	2.829	69195777	119.0E6	18.963	20.617
28)	SA Decachlor...	9.019	7.993	53864650	102.2E6	19.148	20.487

Target Compounds

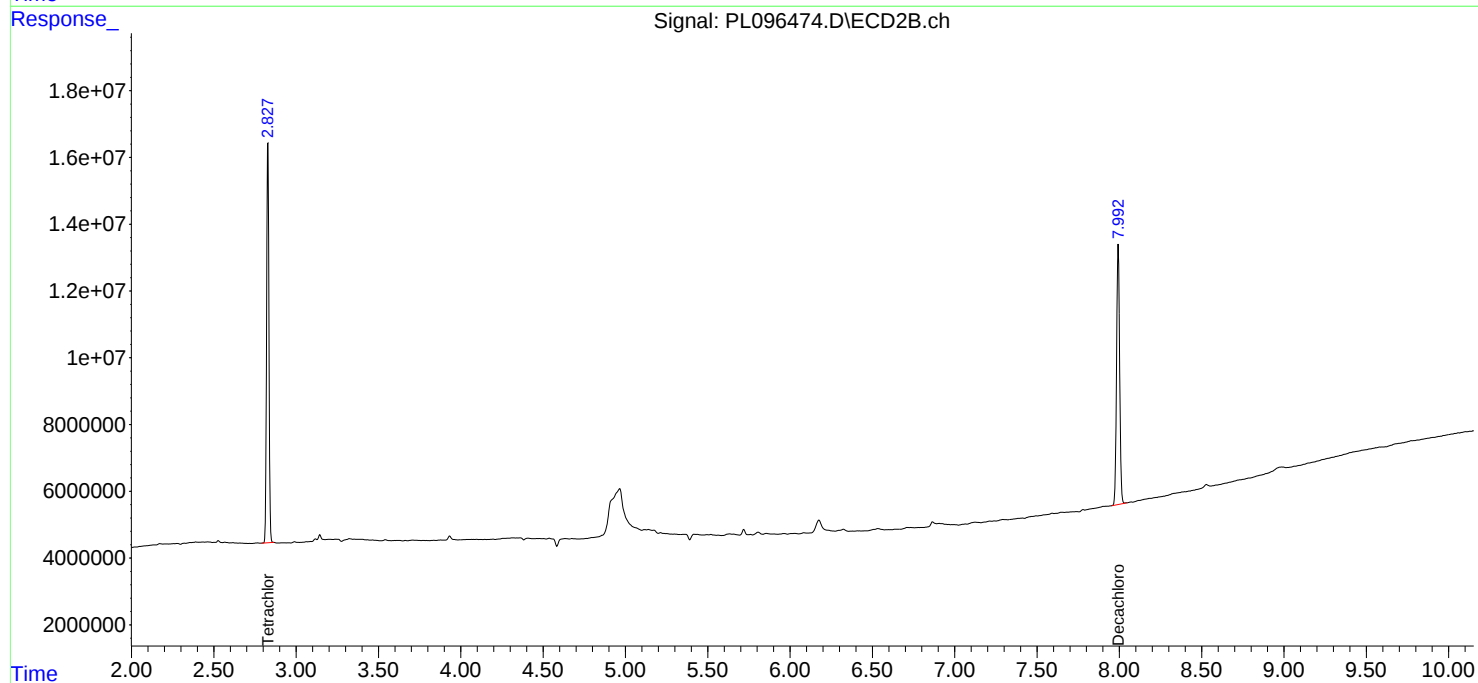
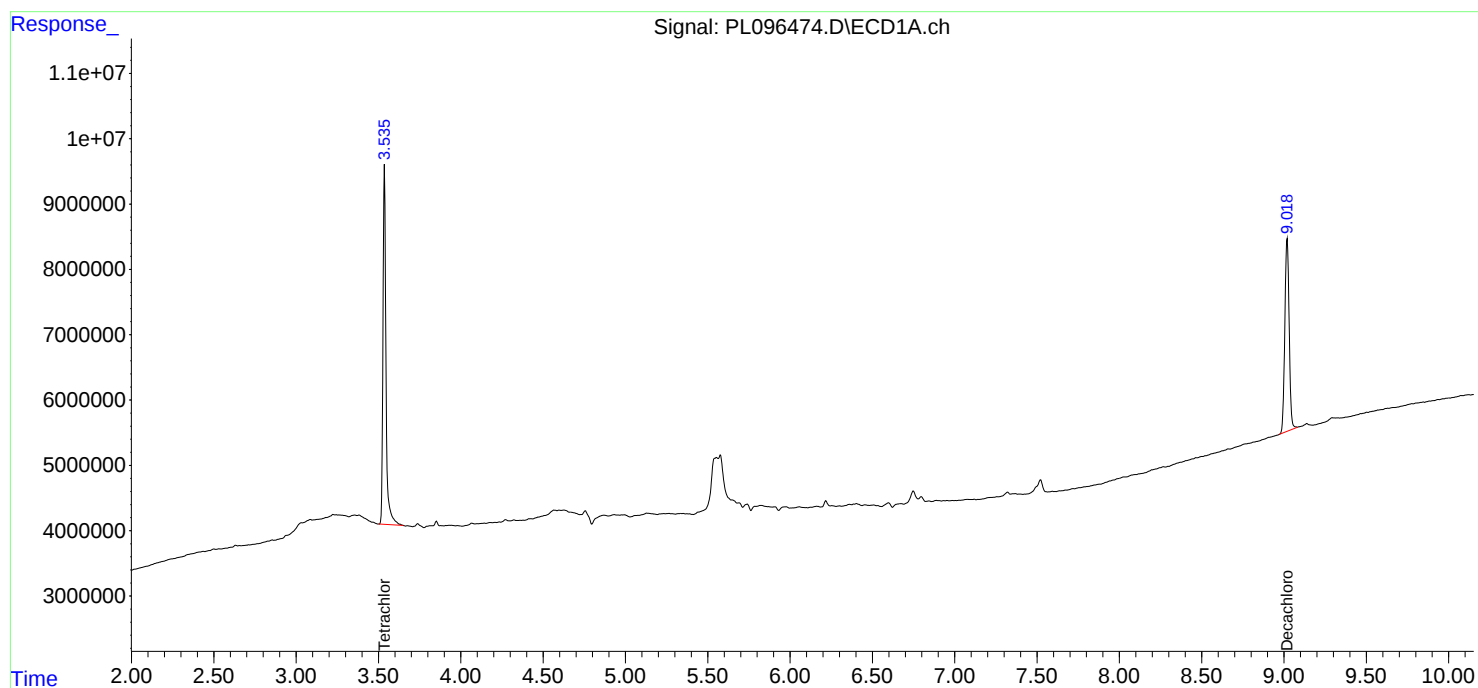
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

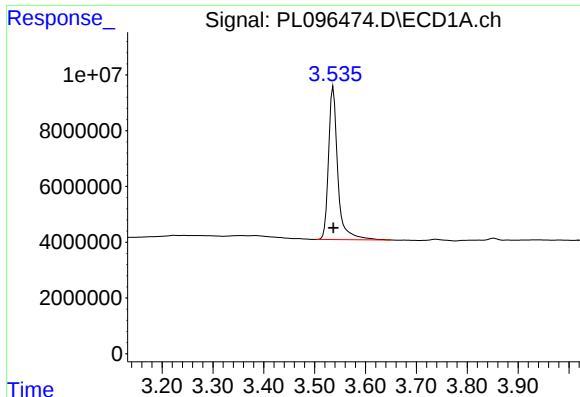
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 16:56
Operator : AR\AJ
Sample : PB168887BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168887BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:27:04 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

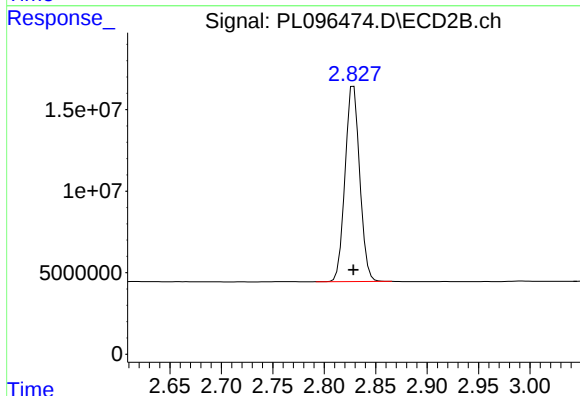




#1 Tetrachloro-m-xylene

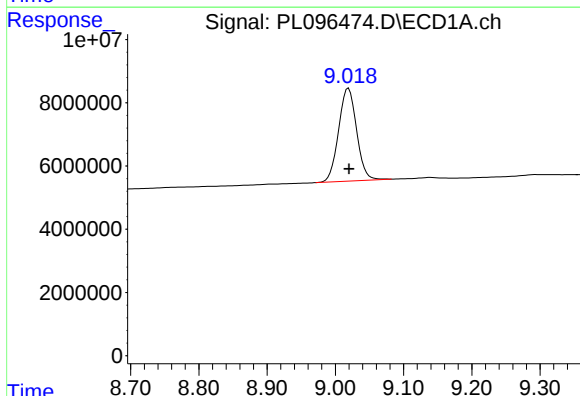
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 69195777
Conc: 18.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BL



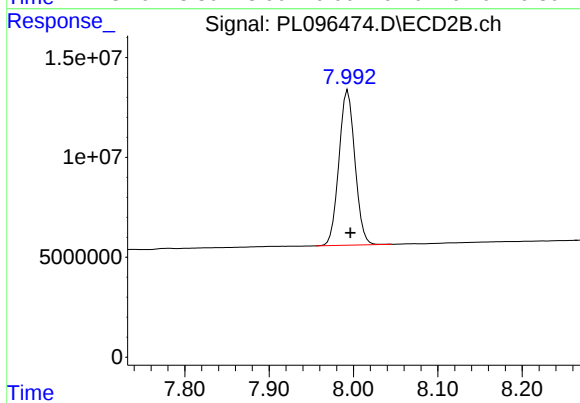
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 118985677
Conc: 20.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 53864650
Conc: 19.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 102156956
Conc: 20.49 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/07/25
Project:	Con Edison - East River Site 2	Date Received:	07/07/25
Client Sample ID:	PIBLK-PL096237.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PL096237.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

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)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	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

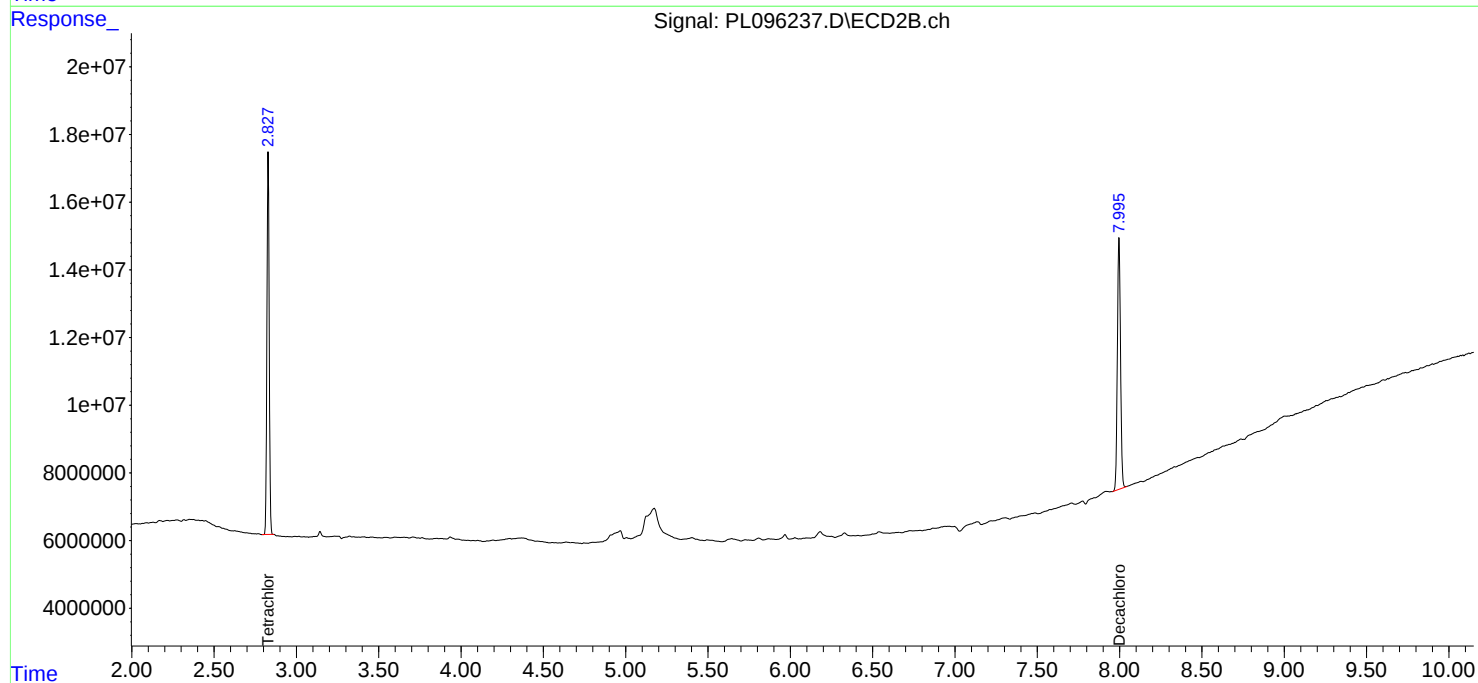
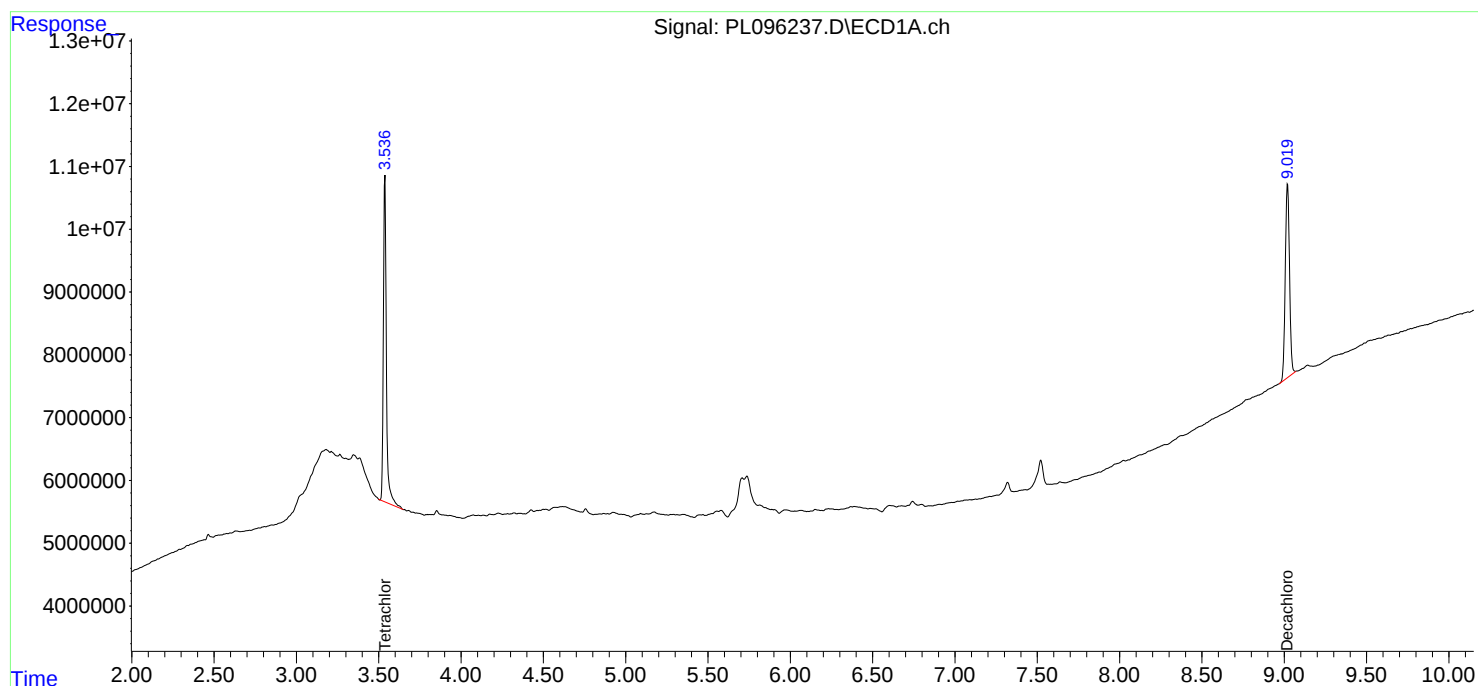
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

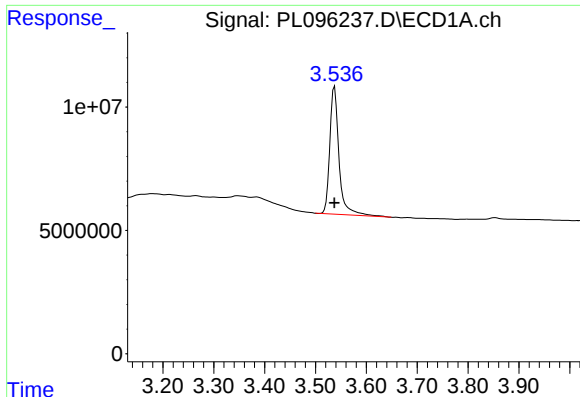
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

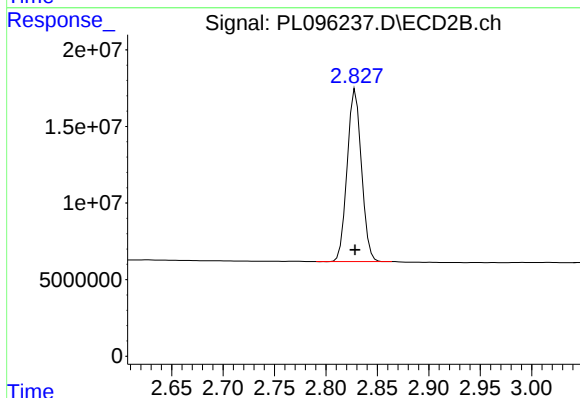




#1 Tetrachloro-m-xylene

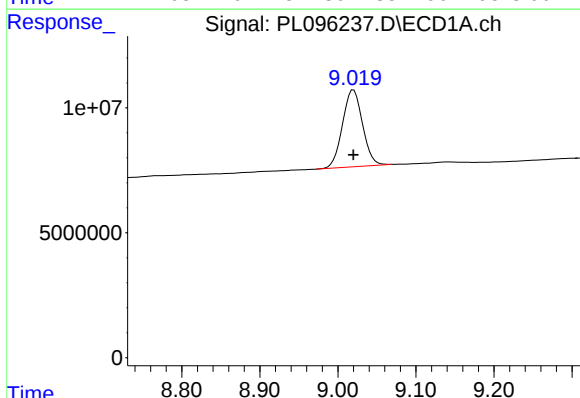
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 65245651
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



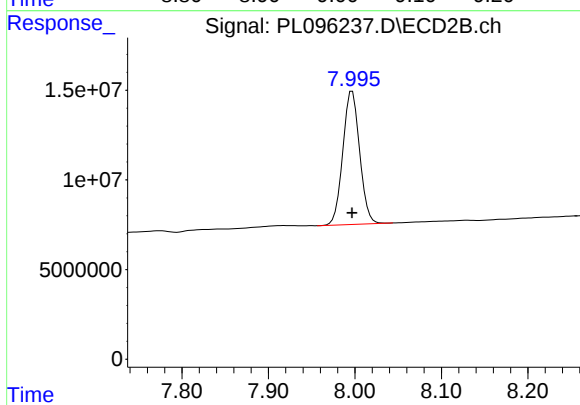
#1 Tetrachloro-m-xylene

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:	PARSONS Engineering of New York, Inc.	Date Collected:	07/18/25
Project:	Con Edison - East River Site 2	Date Received:	07/18/25
Client Sample ID:	PIBLK-PL096441.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PL096441.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096441.D	1		07/18/25	PL071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		57 - 171	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		61 - 148	118%	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\PL071825\
Data File : PL096441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 08:40
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 18 23:21:42 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	2.826	78945974	136.0E6	21.635	23.562
28)	SA Decachlor...	9.018	7.993	59054208	108.1E6	20.993	21.676

Target Compounds

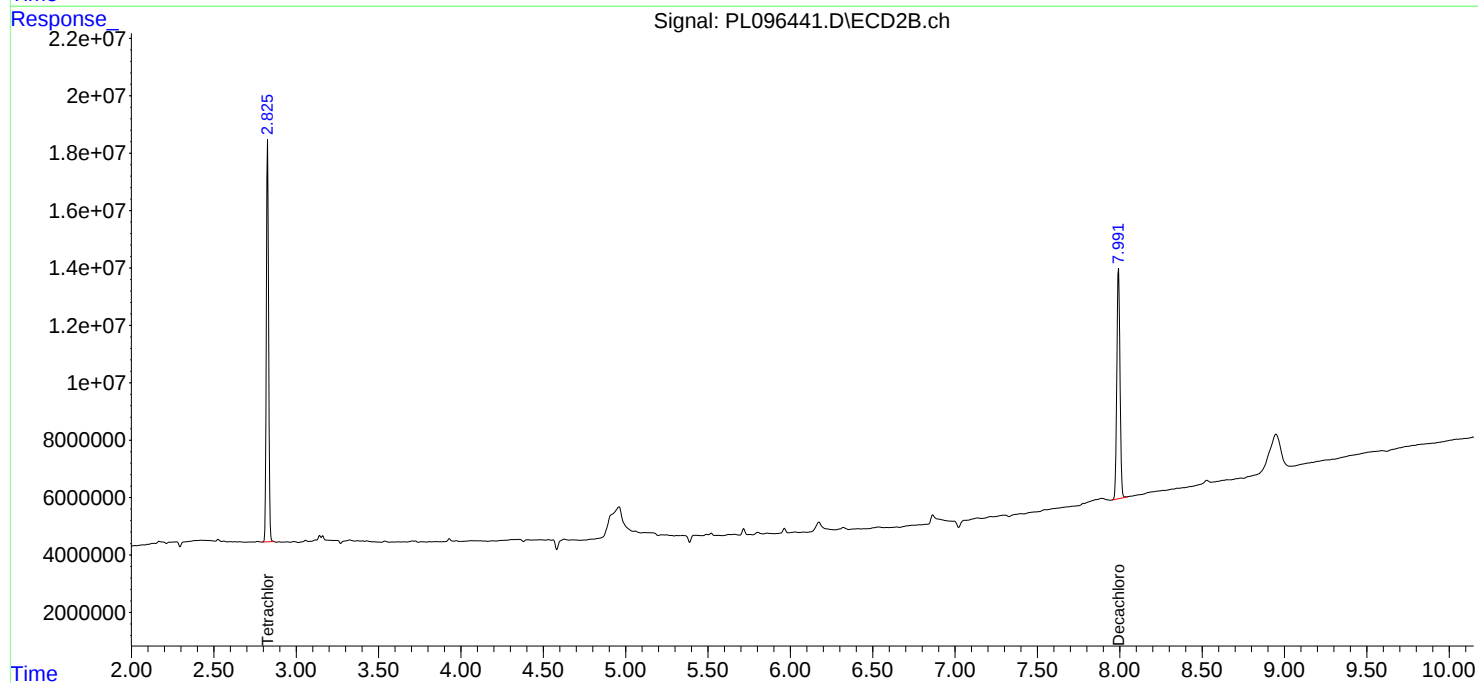
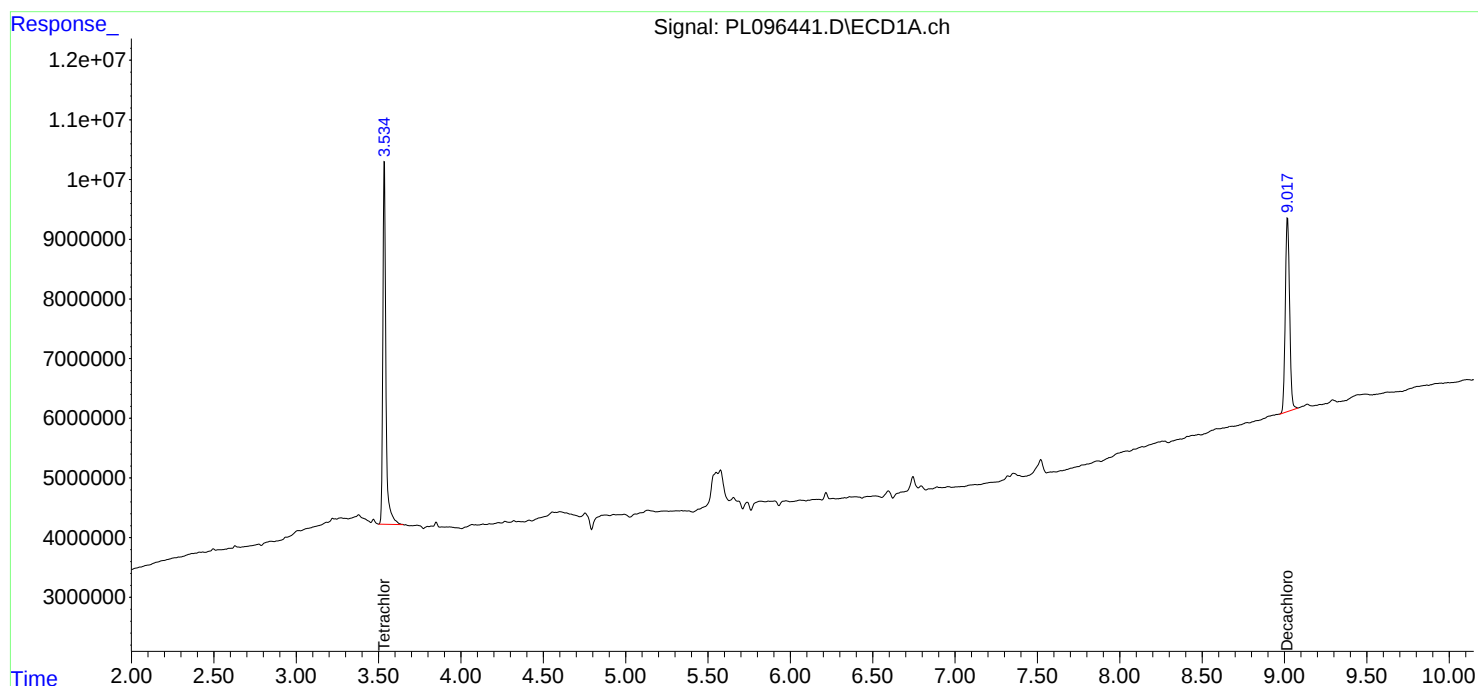
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

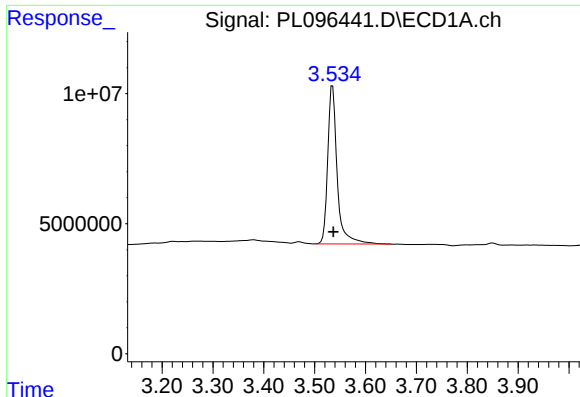
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 08:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:21:42 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

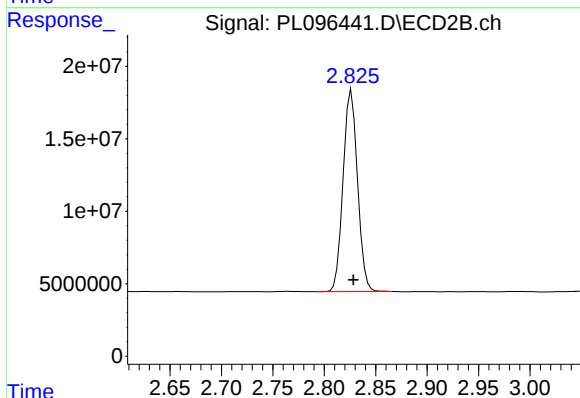




#1 Tetrachloro-m-xylene

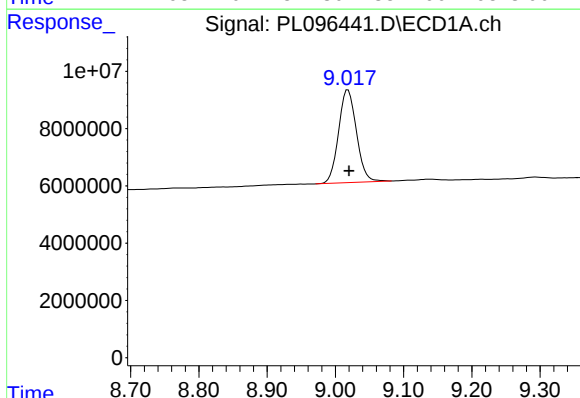
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 78945974
Conc: 21.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



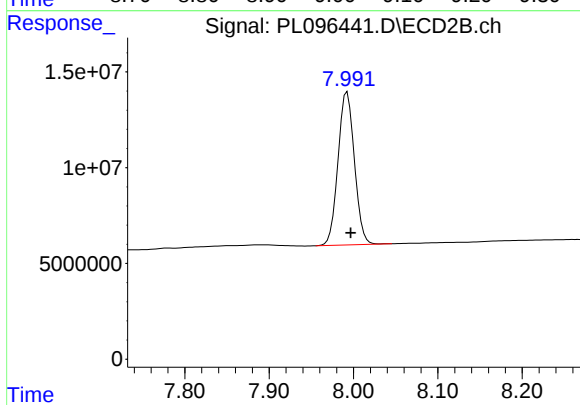
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 135983627
Conc: 23.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.001 min
Response: 59054208
Conc: 20.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 108086201
Conc: 21.68 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/18/25
Project:	Con Edison - East River Site 2	Date Received:	07/18/25
Client Sample ID:	PIBLK-PL096452.D	SDG No.:	Q2592
Lab Sample ID:	I.BLK-PL096452.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096452.D	1		07/18/25	PL071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		57 - 171	107%	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\PL071825\
Data File : PL096452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 11:34
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 18 23:23:33 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	75502586	129.7E6	20.691	22.470
28)	SA Decachlor...	9.017	7.992	57810308	106.5E6	20.551	21.355

Target Compounds

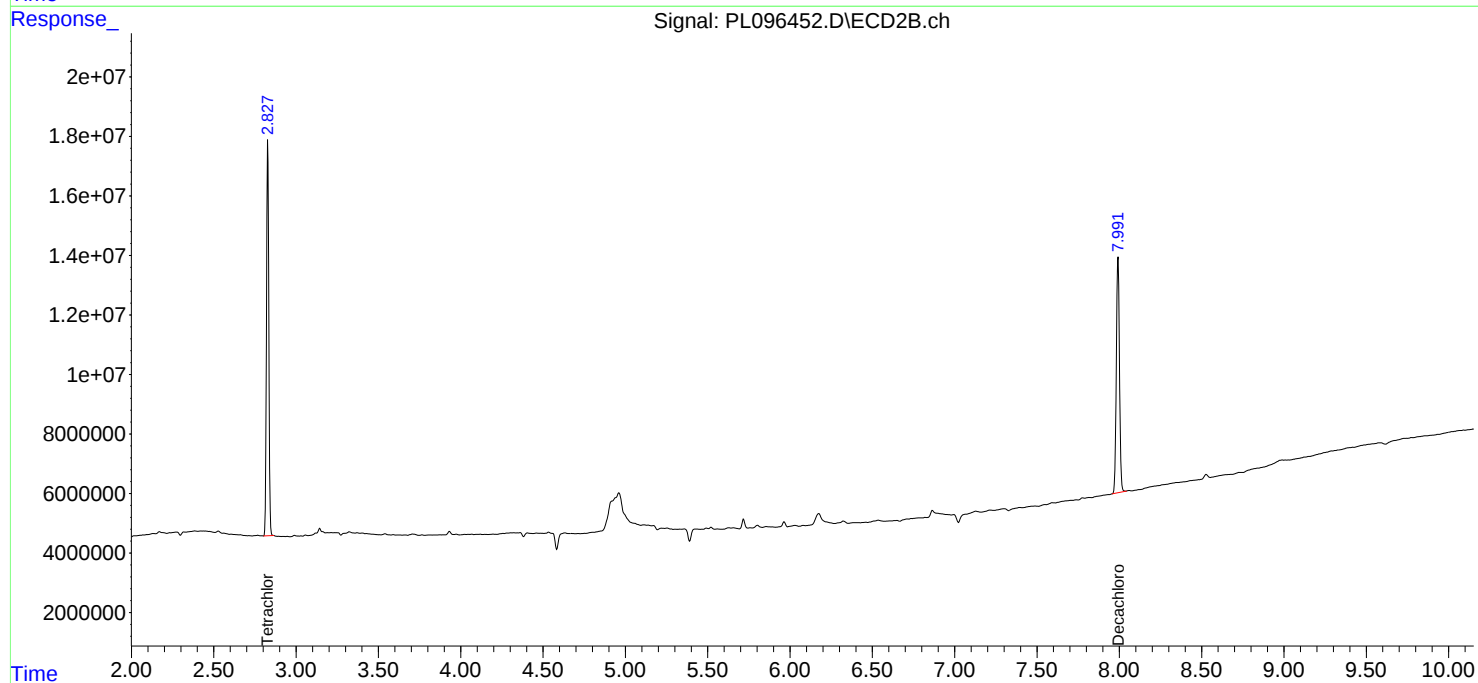
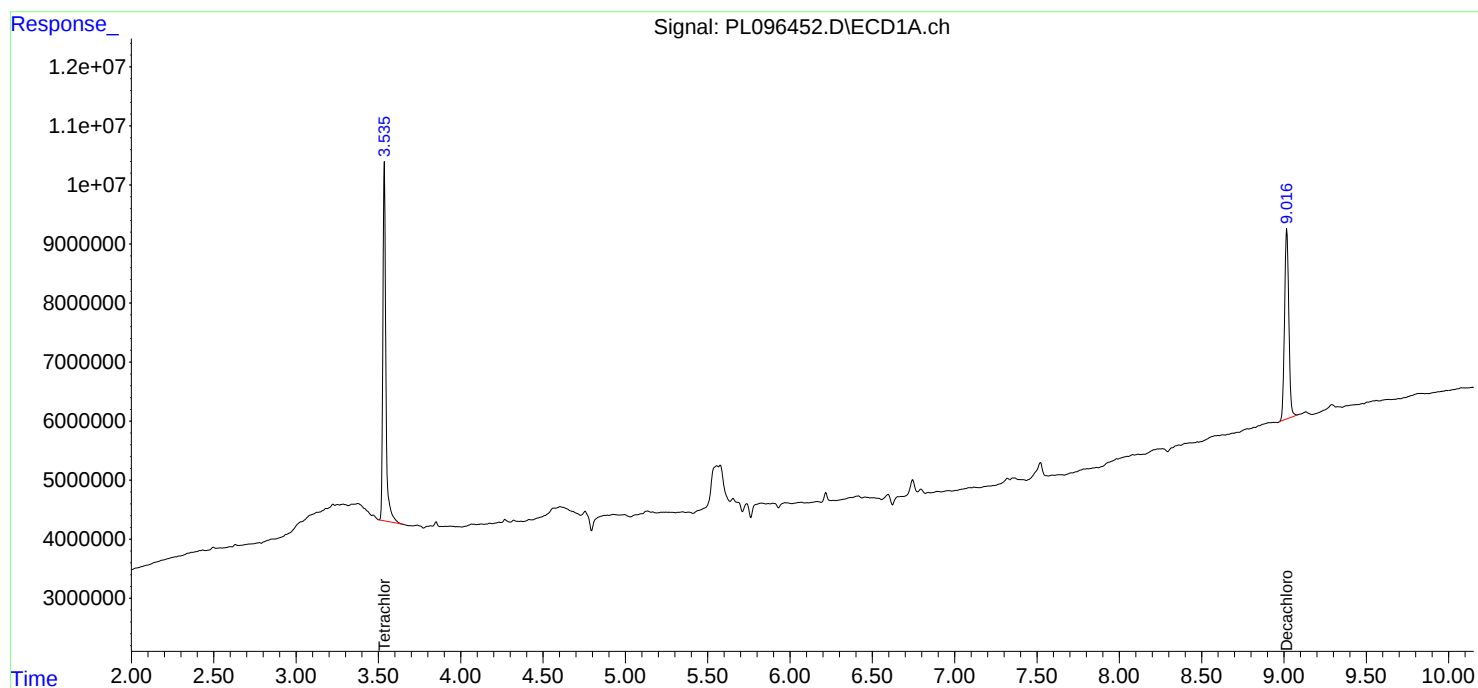
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

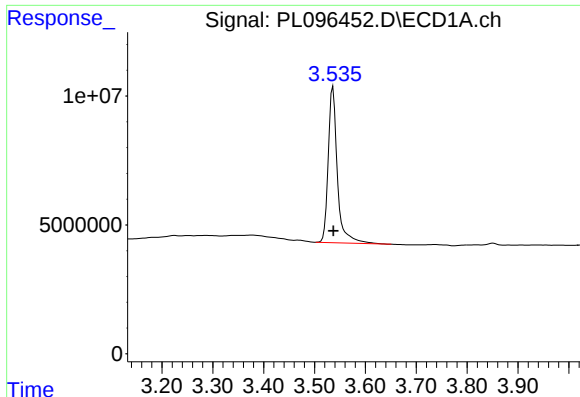
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 11:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:33 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

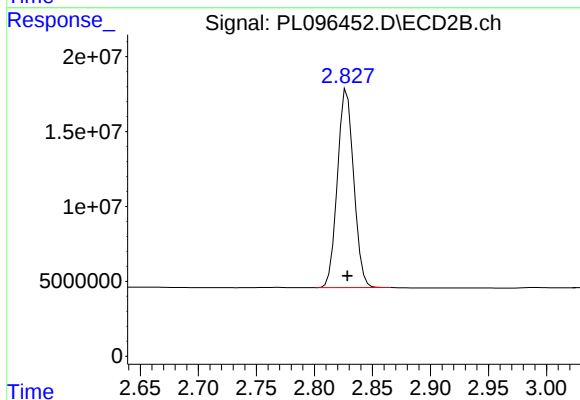




#1 Tetrachloro-m-xylene

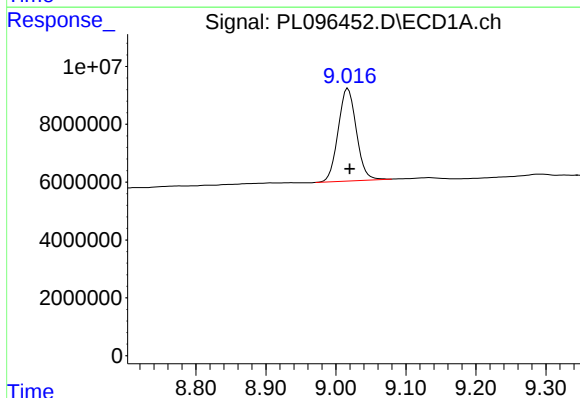
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 75502586
Conc: 20.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



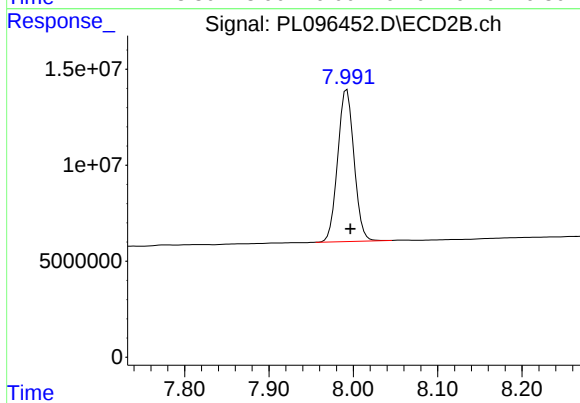
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 129676745
Conc: 22.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: -0.003 min
Response: 57810308
Conc: 20.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 106487276
Conc: 21.36 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	07/18/25	
Project:	Con Edison - East River Site 2			Date Received:	07/18/25	
Client Sample ID:	PIBLK-PL096464.D			SDG No.:	Q2592	
Lab Sample ID:	I.BLK-PL096464.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
PL096464.D	1		07/18/25	pl071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		57 - 171	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		61 - 148	115%	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 OC 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\PL071825\
Data File : PL096464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 14:40
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 18 23:25:32 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...	3.536	2.825	76334212	132.2E6	20.919	22.907
28)	SA Decachlor...	9.023	7.994	59436309	105.1E6	21.129	21.073

Target Compounds

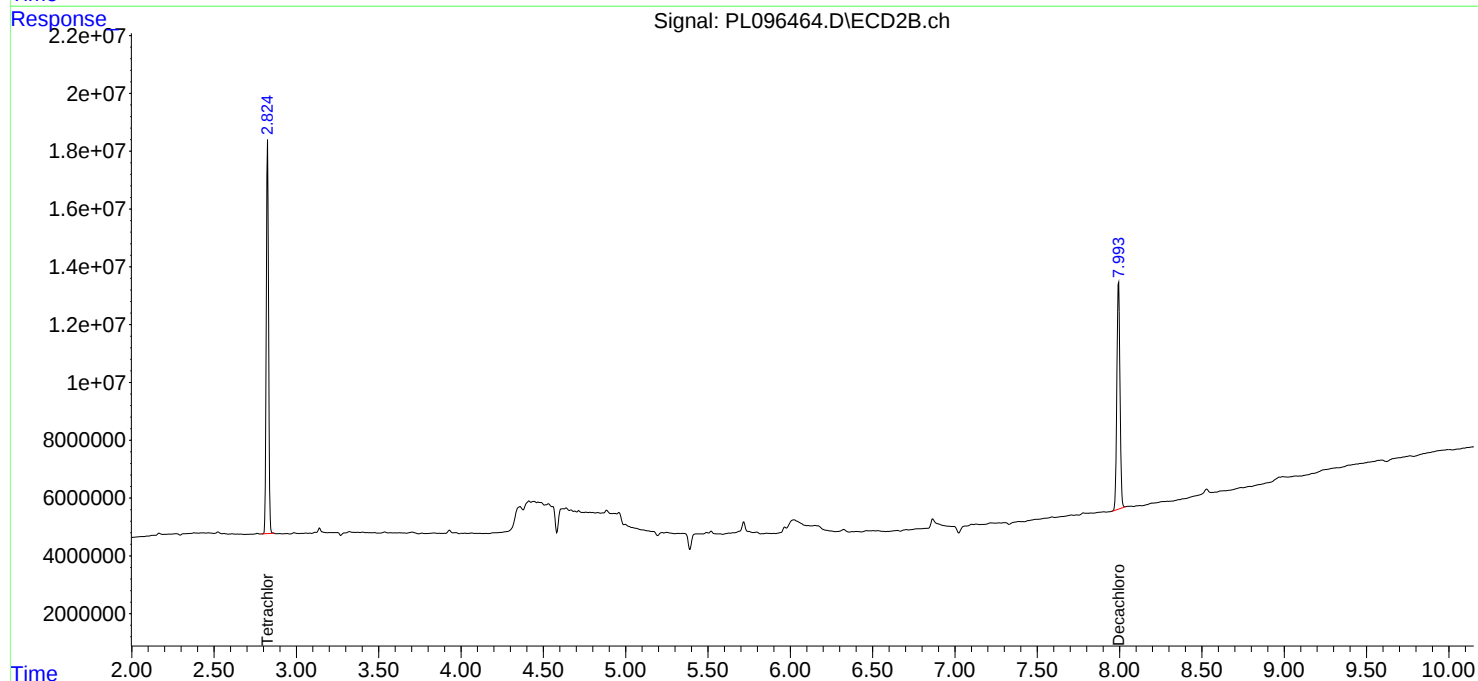
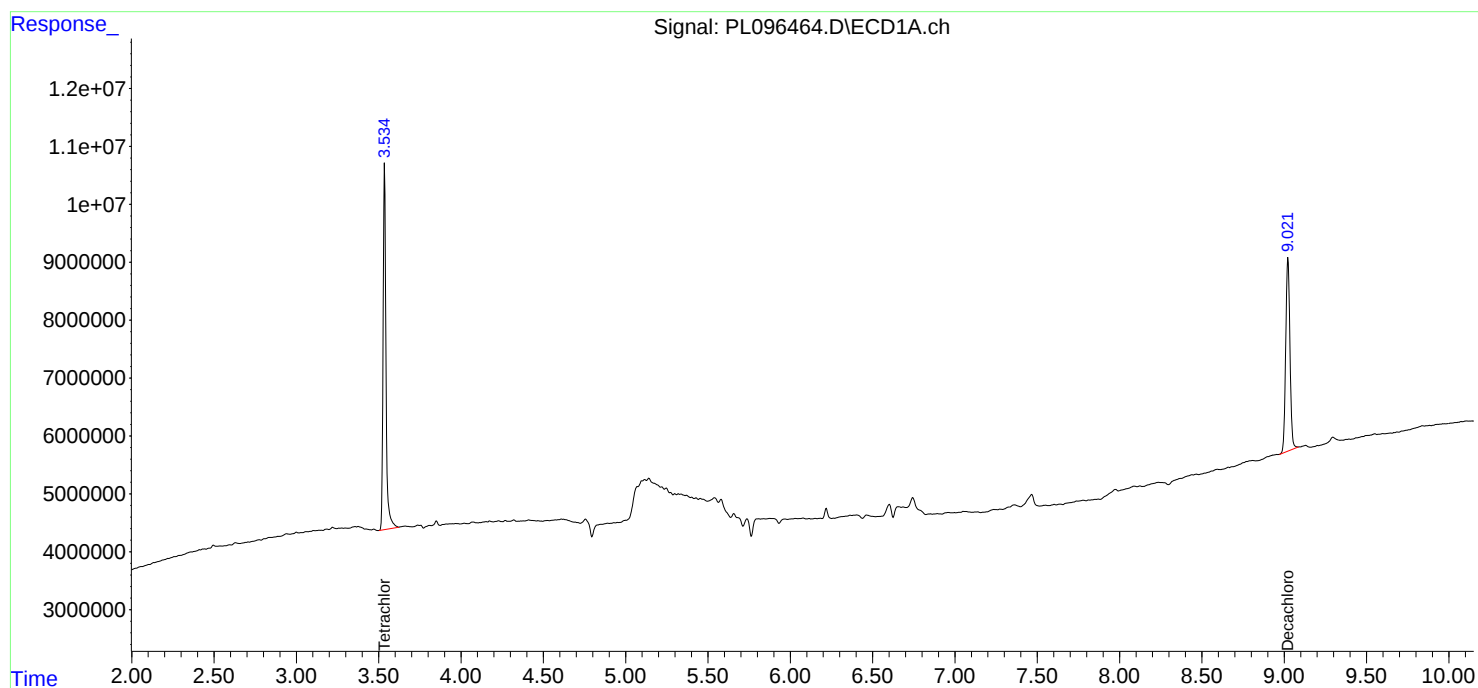
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

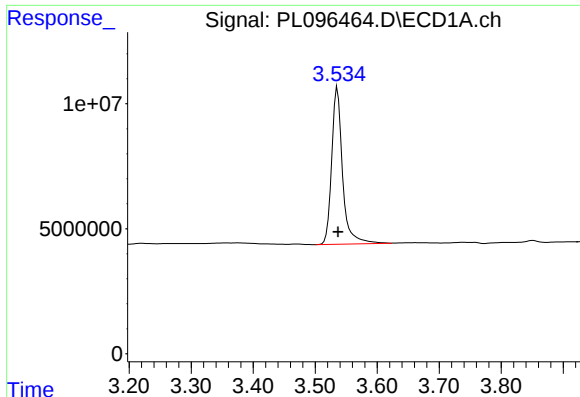
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096464.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 14:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:25:32 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

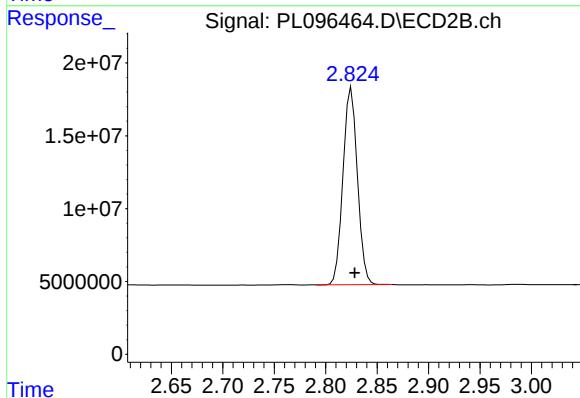




#1 Tetrachloro-m-xylene

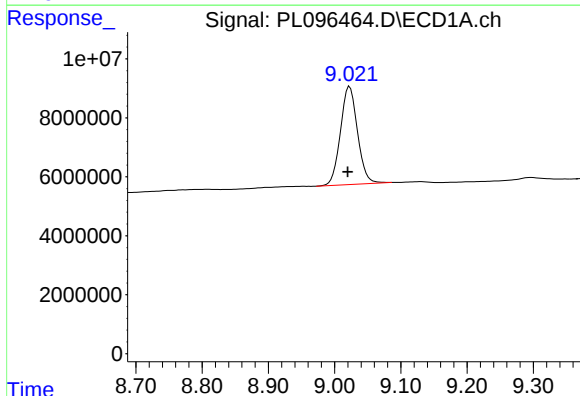
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 76334212
Conc: 20.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



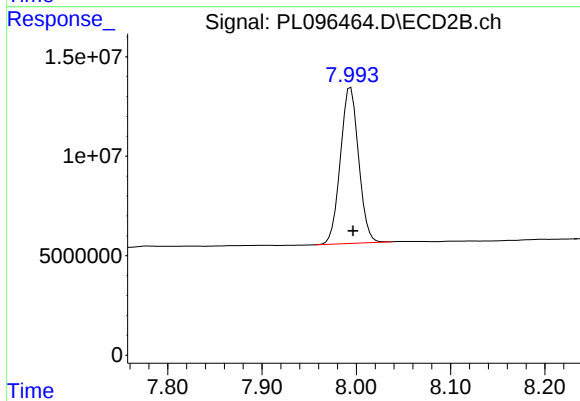
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 132204013
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.023 min
Delta R.T.: 0.003 min
Response: 59436309
Conc: 21.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 105081095
Conc: 21.07 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	07/18/25	
Project:	Con Edison - East River Site 2			Date Received:	07/18/25	
Client Sample ID:	PIBLK-PL096476.D			SDG No.:	Q2592	
Lab Sample ID:	I.BLK-PL096476.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
PL096476.D	1		07/18/25	pl071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.8		57 - 171	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		61 - 148	115%	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 OC 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\PL071825\
Data File : PL096476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 17:23
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 18 23:27:29 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	78180590	132.2E6	21.425	22.909
28)	SA Decachlor...	9.016	7.993	59590242	113.7E6	21.183	22.805

Target Compounds

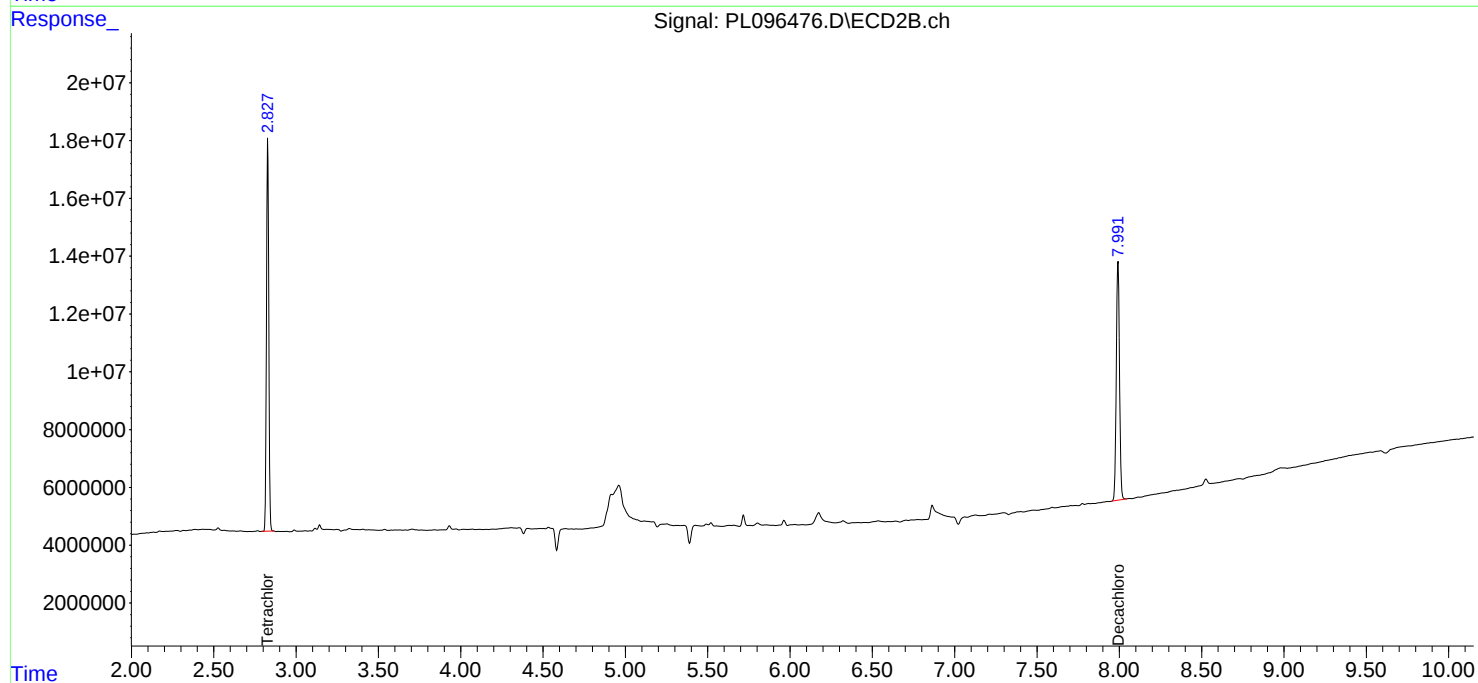
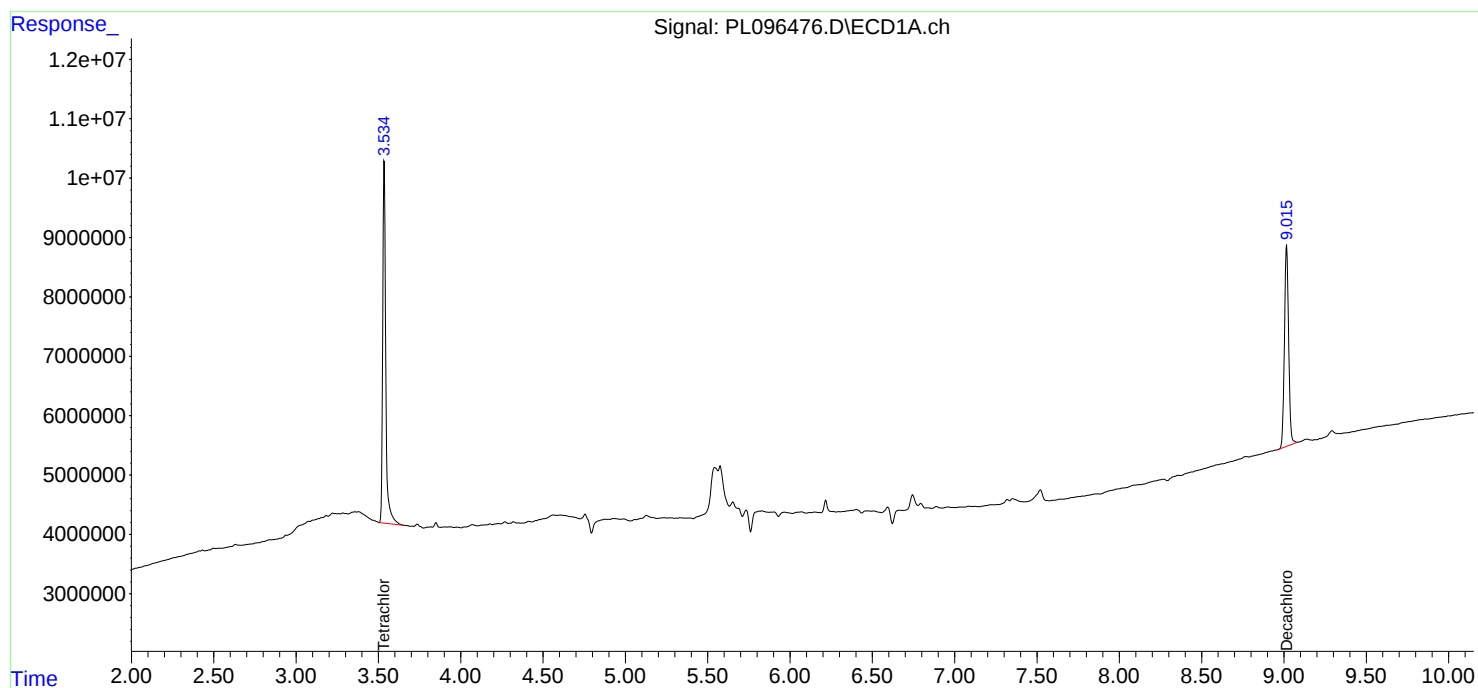
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

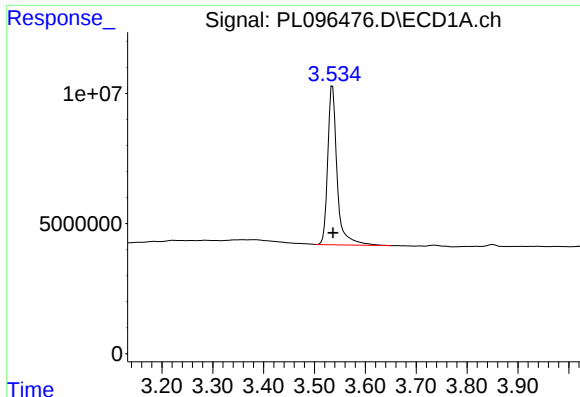
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 17:23
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:27:29 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

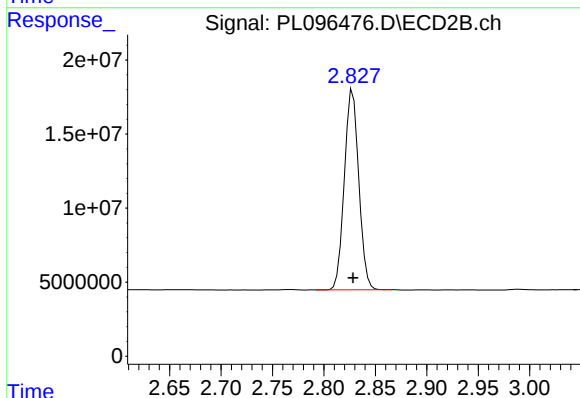




#1 Tetrachloro-m-xylene

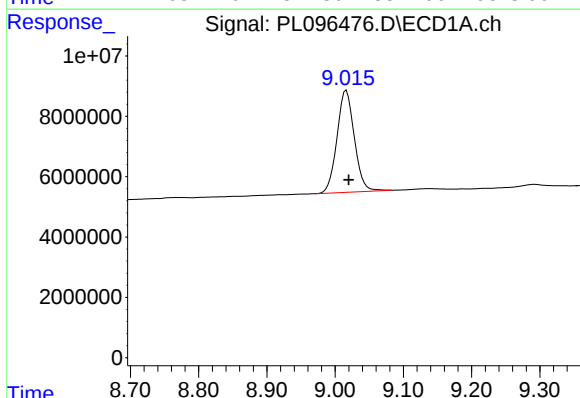
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 78180590
Conc: 21.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



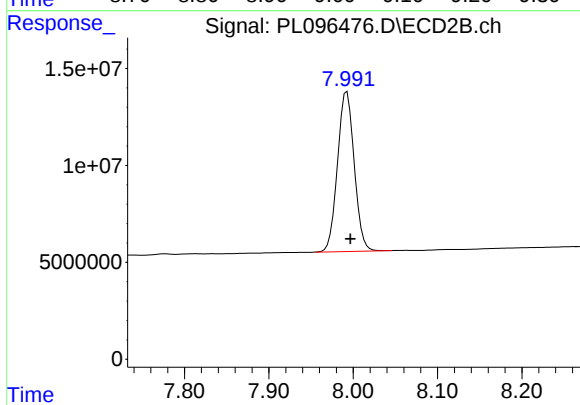
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 132211739
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 59590242
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 113717442
Conc: 22.81 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168887BS	SDG No.:	Q2592
Lab Sample ID:	PB168887BS	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
PL096475.D	1	07/16/25 11:02	07/18/25 17:09	PB168887

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.54		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0096	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.46		0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		57 - 171	108%	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\PL071825\
 Data File : PL096475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 17:09
 Operator : AR\AJ
 Sample : PB168887BS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168887BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:27:13 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	72641404	123.8E6	19.907	21.449
2)	SA Decachlor...	9.018	7.993	56713276	107.5E6	20.161	21.560
Target Compounds							
2)	A alpha-BHC	3.984	3.334	262.2E6	461.4E6	50.985	54.705
3)	MA gamma-BHC...	4.312	3.666	250.2E6	425.8E6	50.242	54.068
4)	MA Heptachlor	4.905	4.015	228.5E6	400.2E6	49.872	52.599
5)	MB Aldrin	5.244	4.298	238.4E6	392.7E6	49.323	53.824
6)	B beta-BHC	4.499	3.962	105.6E6	176.5E6	50.809	51.548
7)	B delta-BHC	4.745	4.196	235.8E6	416.0E6	52.621	54.014
8)	B Heptachlo...	5.664	4.800	218.3E6	353.4E6	52.622	52.864
9)	A Endosulfan I	6.046	5.171	200.3E6	328.1E6	49.602	45.737
10)	B gamma-Chl...	5.918	5.052	218.1E6	372.0E6	49.284	52.988
11)	B alpha-Chl...	5.998	5.116	216.2E6	362.4E6	49.362	48.185
12)	B 4,4'-DDE	6.168	5.305	181.6E6	343.0E6	48.995	53.071
13)	MA Dieldrin	6.318	5.436	210.3E6	365.3E6	49.725	53.567
14)	MA Endrin	6.544	5.710	158.4E6	304.9E6	50.945	50.019
15)	B Endosulfa...	6.757	6.002	170.5E6	308.8E6	49.147	52.654
16)	A 4,4'-DDD	6.677	5.857	154.8E6	300.3E6	53.154	58.555
17)	MA 4,4'-DDT	6.991	6.110	139.4E6	264.9E6	45.923	46.195
18)	B Endrin al...	6.885	6.180	133.2E6	241.7E6	59.582	54.269
19)	B Endosulfa...	7.119	6.404	156.4E6	303.5E6	51.133	53.955
20)	A Methoxychlor	7.463	6.682	71406279	140.6E6	45.326	46.294
21)	B Endrin ke...	7.599	6.908	169.5E6	337.6E6	51.327	53.992
22)	Mirex	8.078	7.098	136.1E6	253.1E6	48.930	50.941

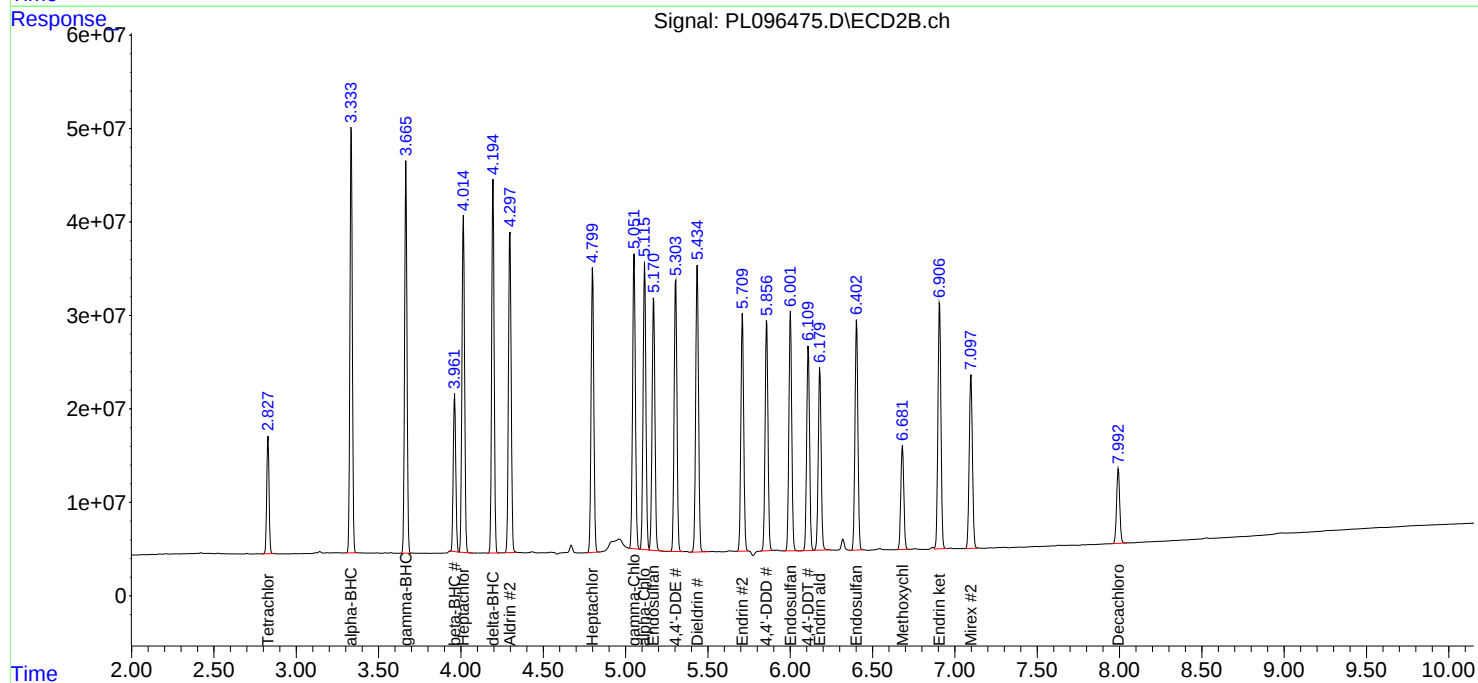
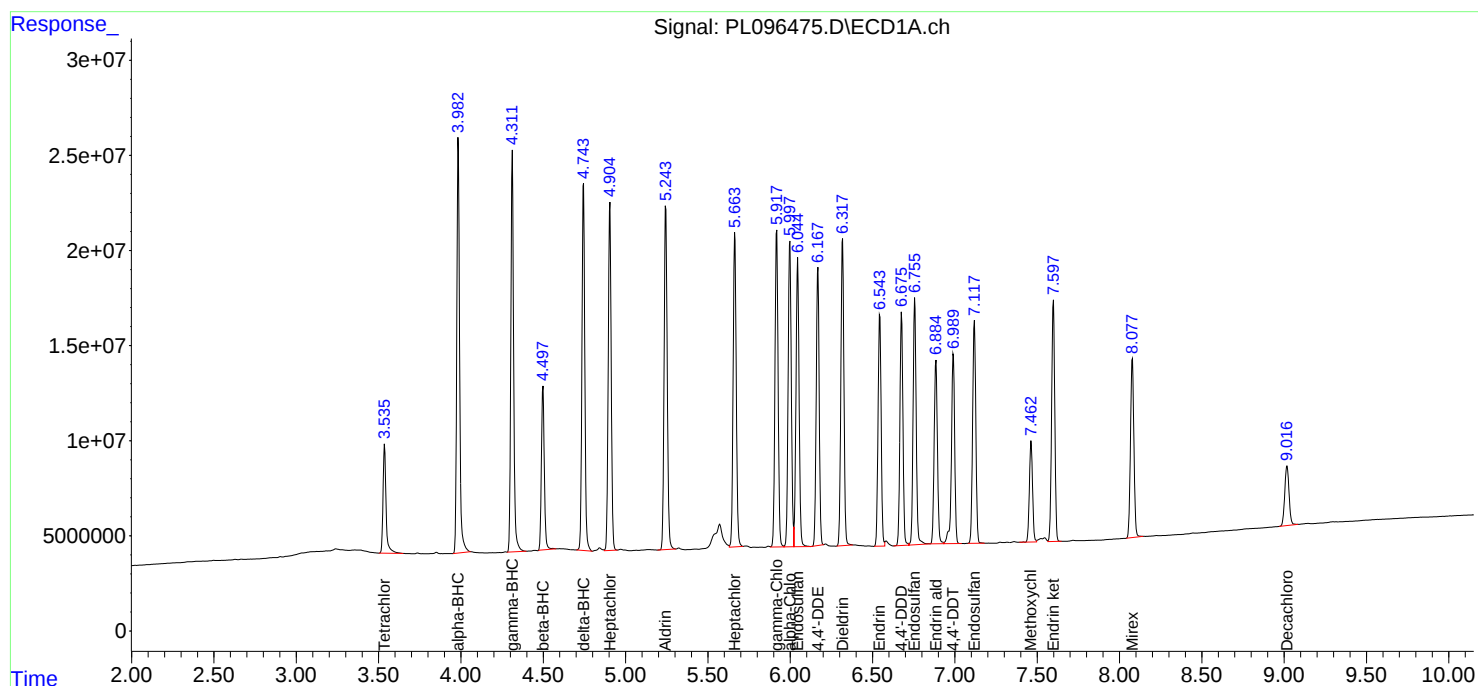
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

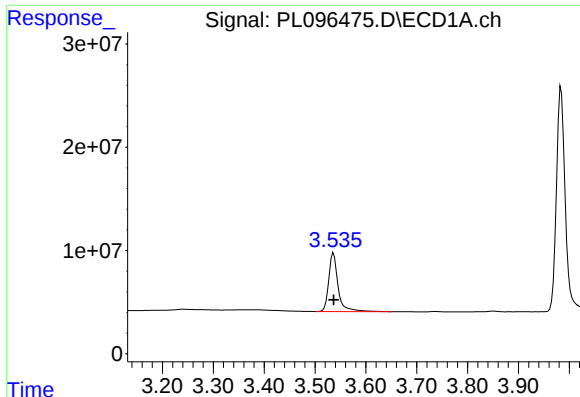
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 17:09
Operator : AR\AJ
Sample : PB168887BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168887BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:27:13 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

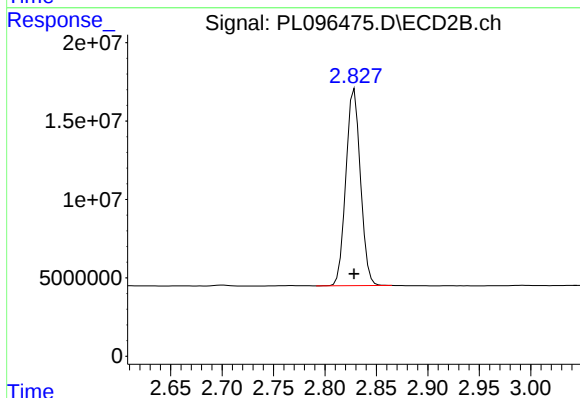




#1 Tetrachloro-m-xylene

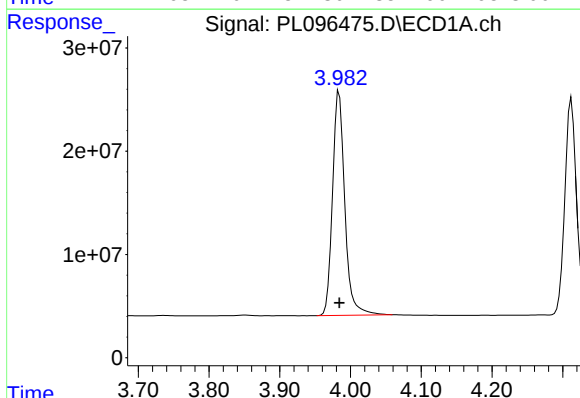
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 72641404
Conc: 19.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



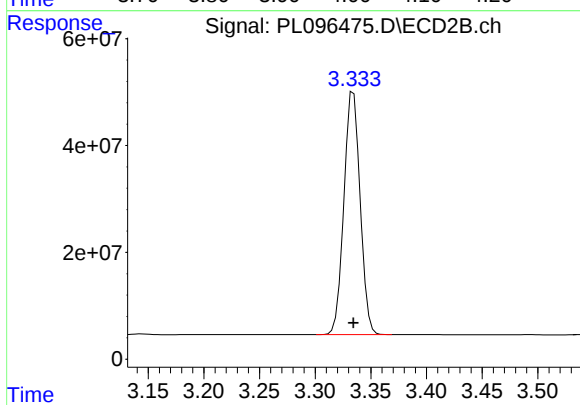
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 123789283
Conc: 21.45 ng/ml



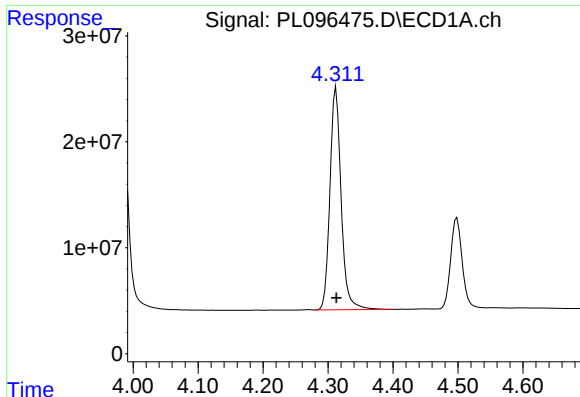
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 262221467
Conc: 50.98 ng/ml



#2 alpha-BHC

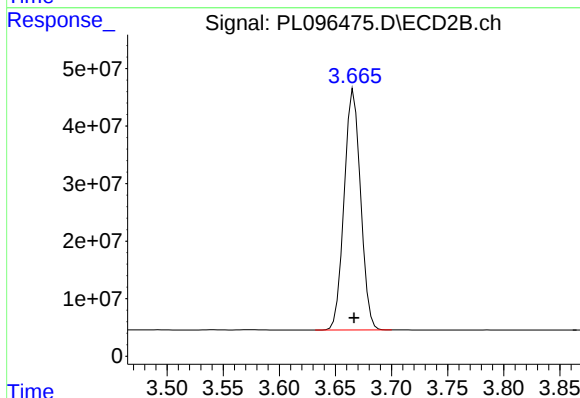
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 461404088
Conc: 54.71 ng/ml



#3 gamma-BHC (Lindane)

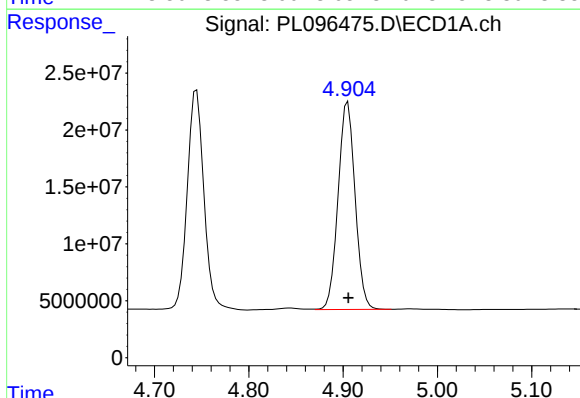
R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 250187376
Conc: 50.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



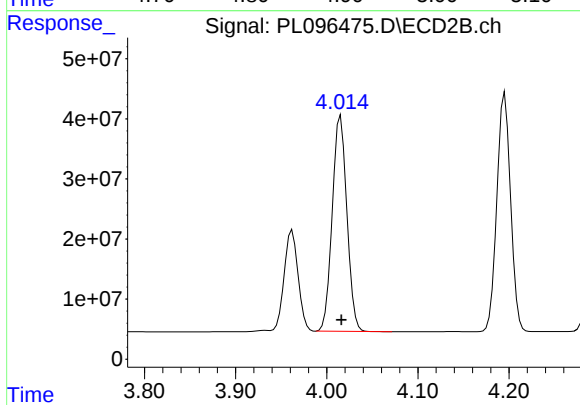
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 425829322
Conc: 54.07 ng/ml



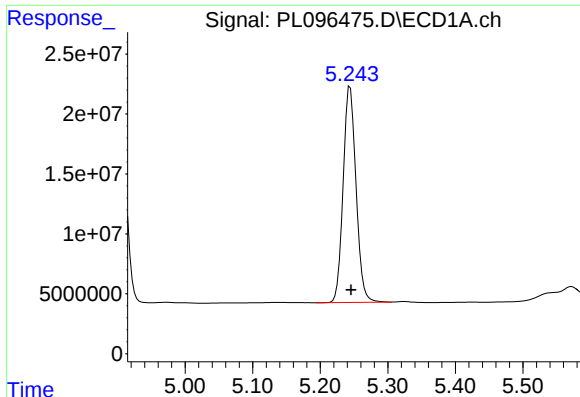
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 228474588
Conc: 49.87 ng/ml



#4 Heptachlor

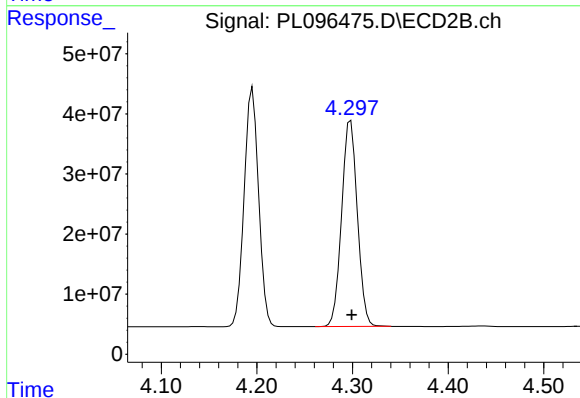
R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 400161506
Conc: 52.60 ng/ml



#5 Aldrin

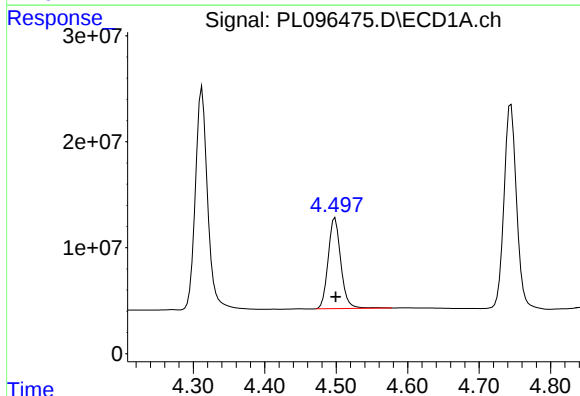
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 238413700
Conc: 49.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



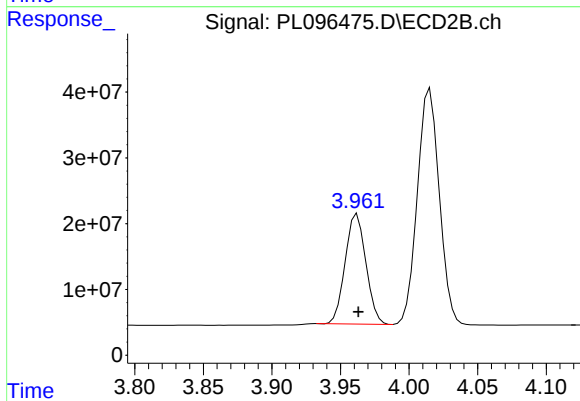
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 392680826
Conc: 53.82 ng/ml



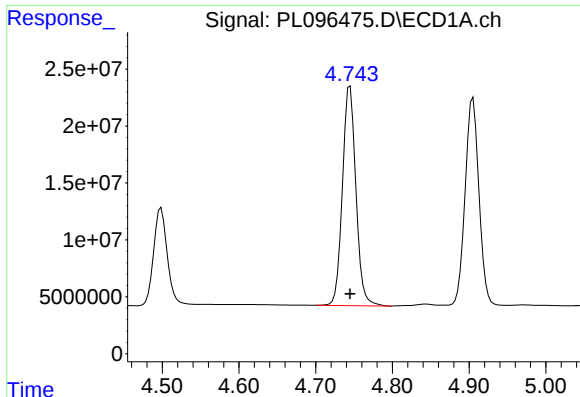
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 105621427
Conc: 50.81 ng/ml



#6 beta-BHC

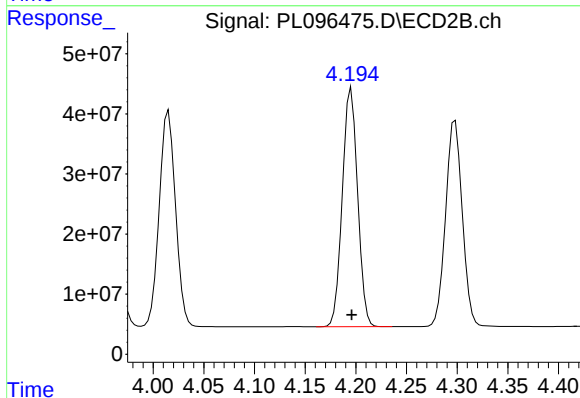
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 176494473
Conc: 51.55 ng/ml



#7 delta-BHC

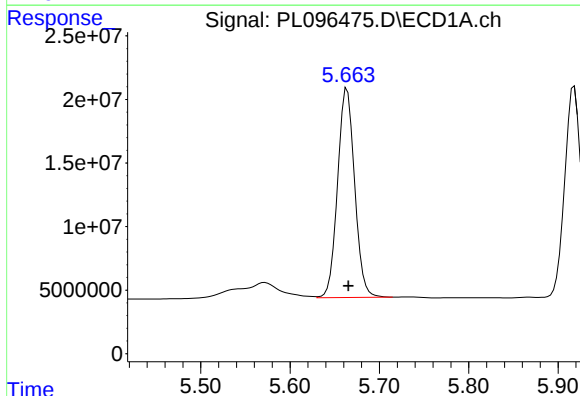
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 235810975
Conc: 52.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



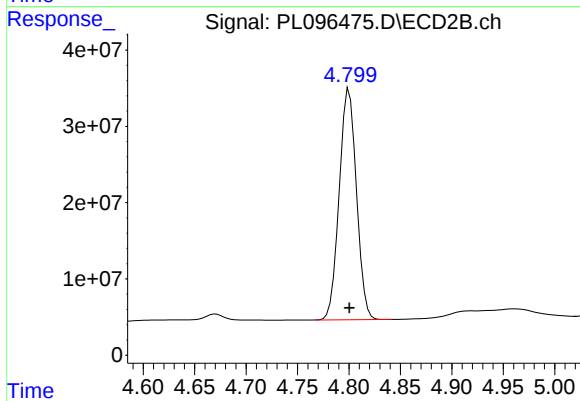
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 416007856
Conc: 54.01 ng/ml



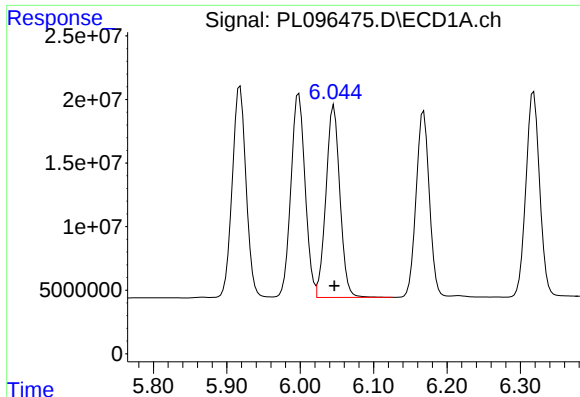
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 218338430
Conc: 52.62 ng/ml



#8 Heptachlor epoxide

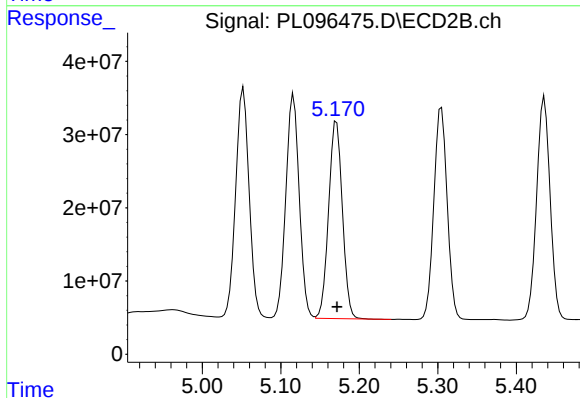
R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 353392669
Conc: 52.86 ng/ml



#9 Endosulfan I

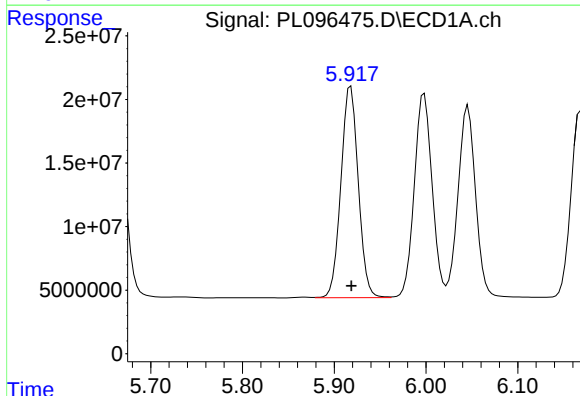
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 200253937
Conc: 49.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



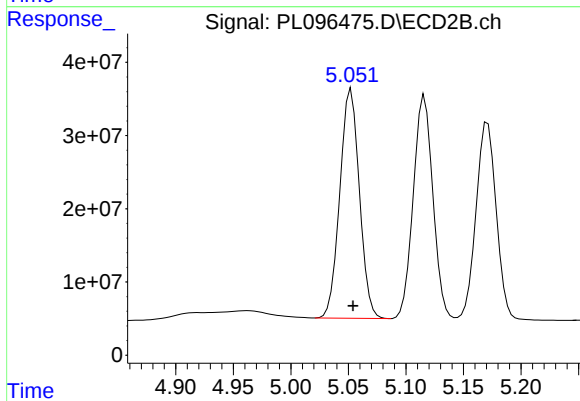
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 328120680
Conc: 45.74 ng/ml



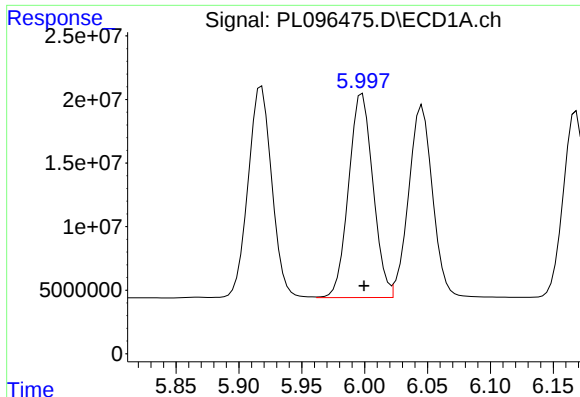
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 218073735
Conc: 49.28 ng/ml



#10 gamma-Chlordane

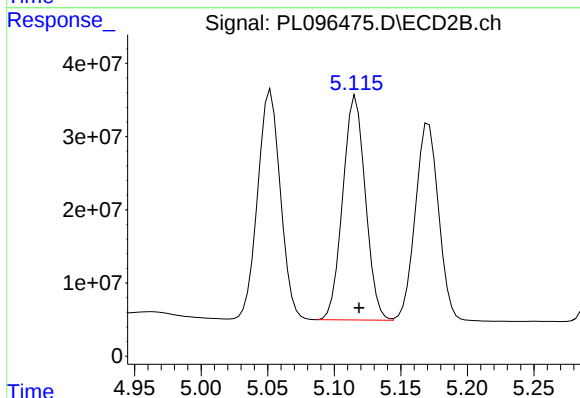
R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 371961149
Conc: 52.99 ng/ml



#11 alpha-Chlordane

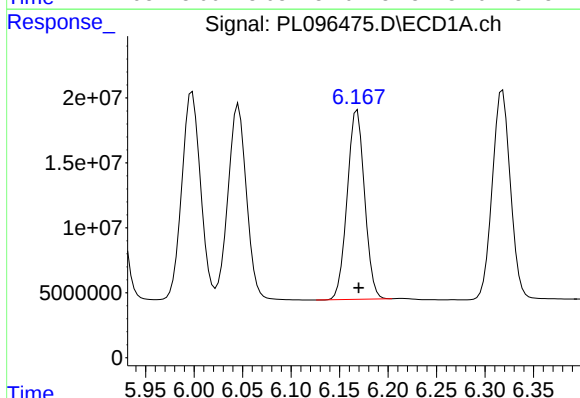
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 216150977
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



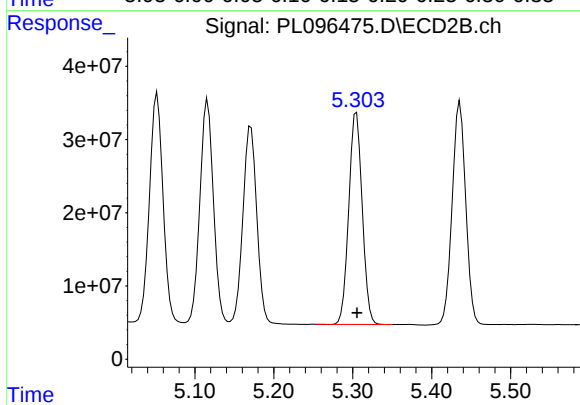
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 362362715
Conc: 48.19 ng/ml



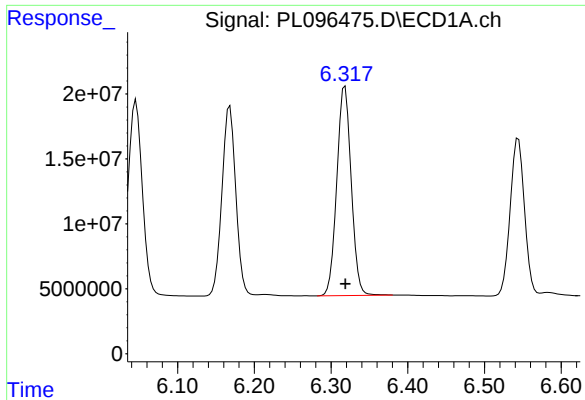
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 181648711
Conc: 49.00 ng/ml



#12 4,4'-DDE

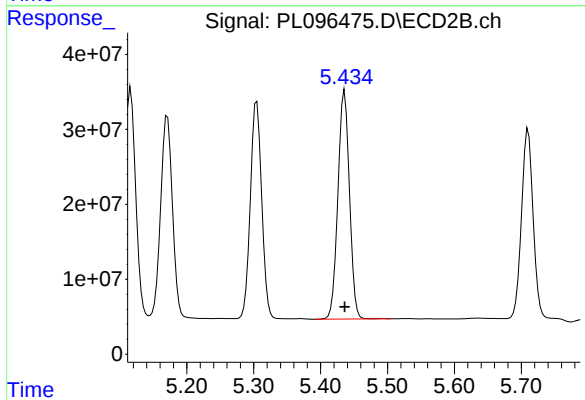
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 343036950
Conc: 53.07 ng/ml



#13 Dieldrin

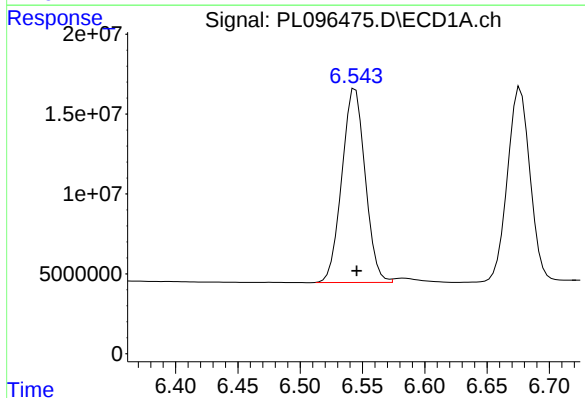
R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 210257644
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



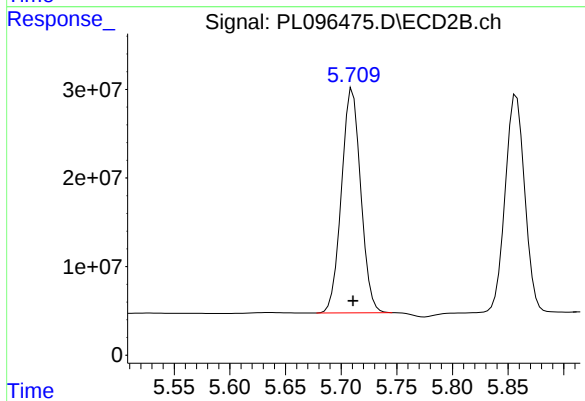
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 365289741
Conc: 53.57 ng/ml



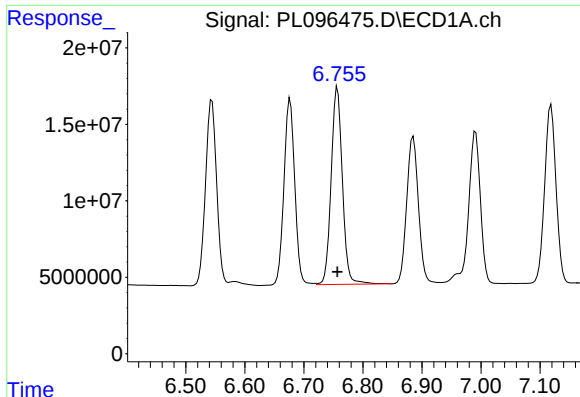
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 158449302
Conc: 50.94 ng/ml



#14 Endrin

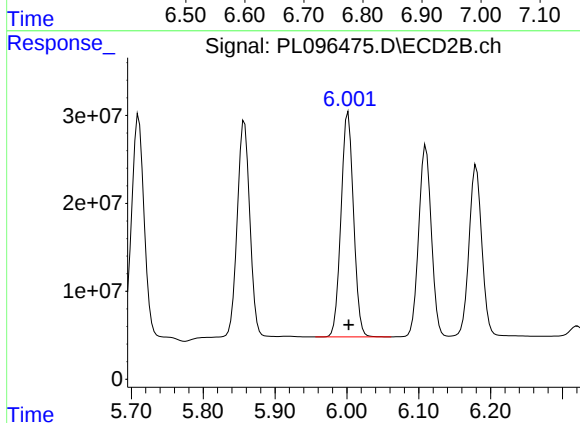
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 304942212
Conc: 50.02 ng/ml



#15 Endosulfan II

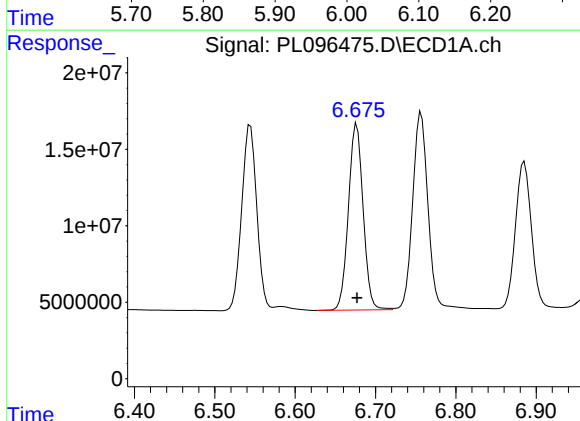
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 170542394
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



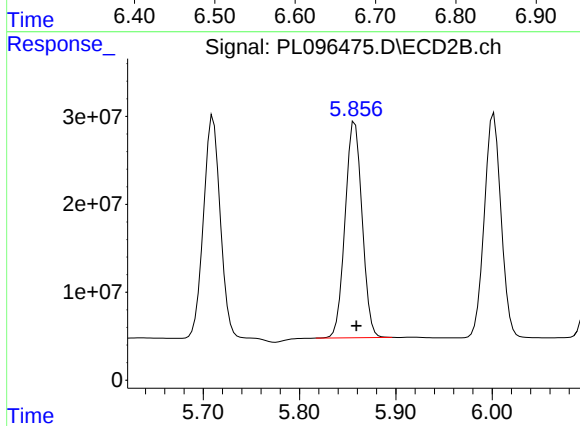
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 308756744
Conc: 52.65 ng/ml



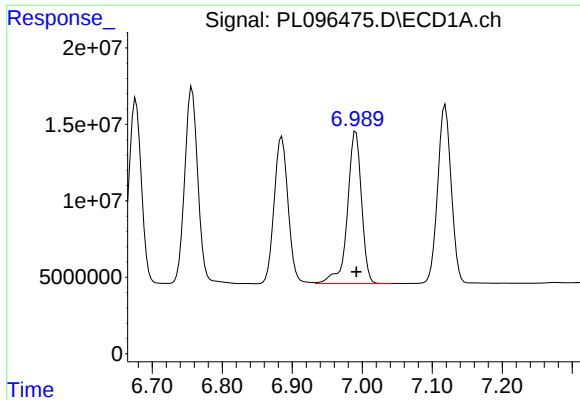
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 154769333
Conc: 53.15 ng/ml



#16 4,4'-DDD

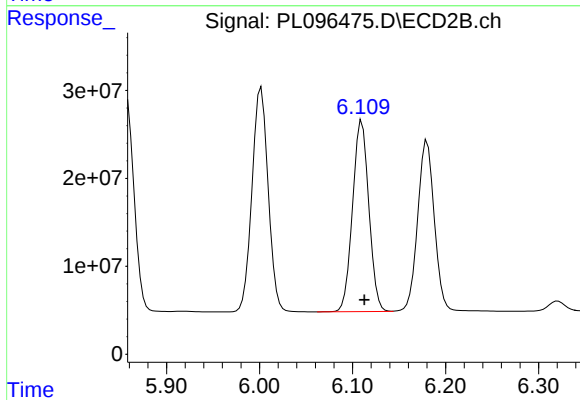
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 300310475
Conc: 58.55 ng/ml



#17 4,4'-DDT

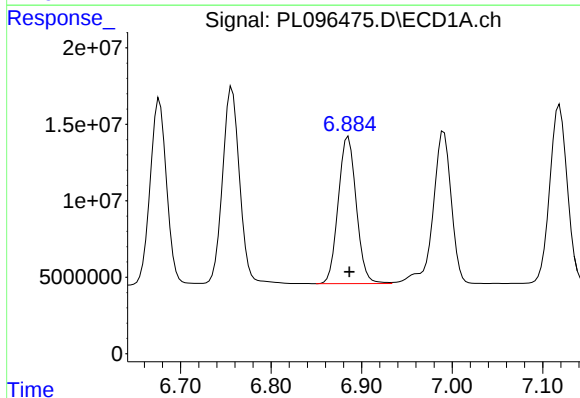
R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 139385532
Conc: 45.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



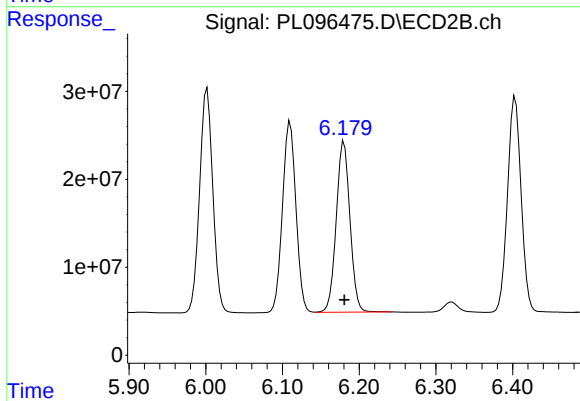
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 264932527
Conc: 46.19 ng/ml



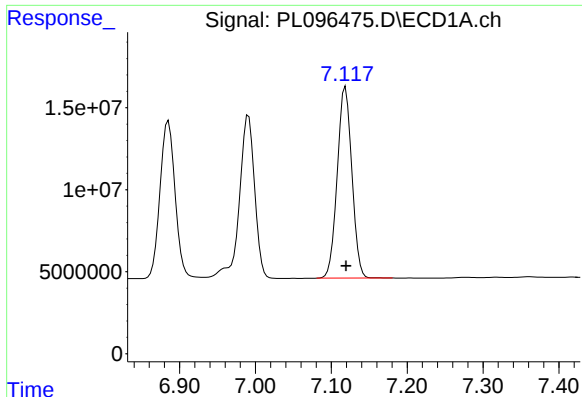
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.001 min
Response: 133198570
Conc: 59.58 ng/ml



#18 Endrin aldehyde

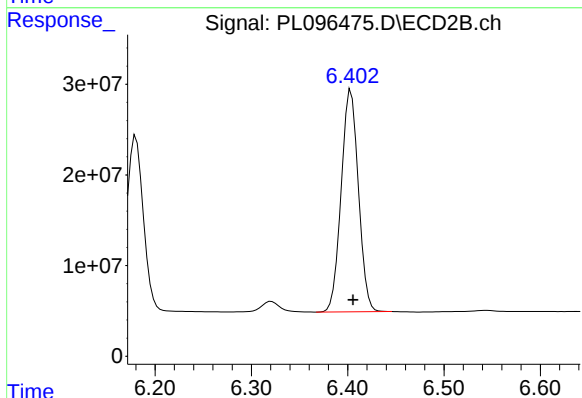
R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 241745354
Conc: 54.27 ng/ml



#19 Endosulfan Sulfate

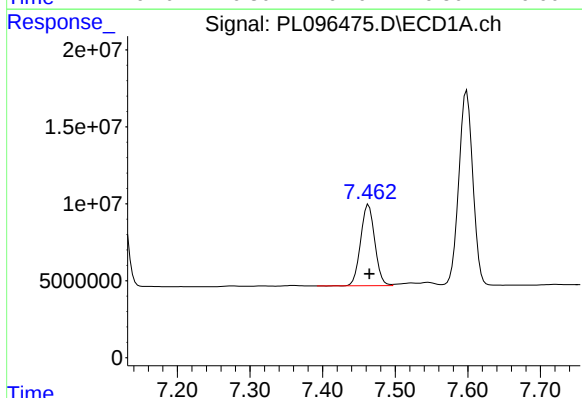
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 156408454
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



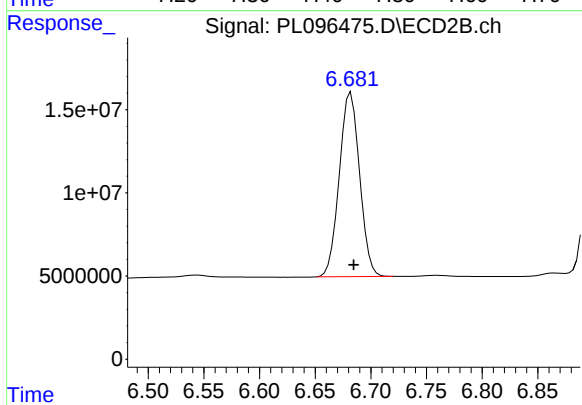
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 303466805
Conc: 53.96 ng/ml



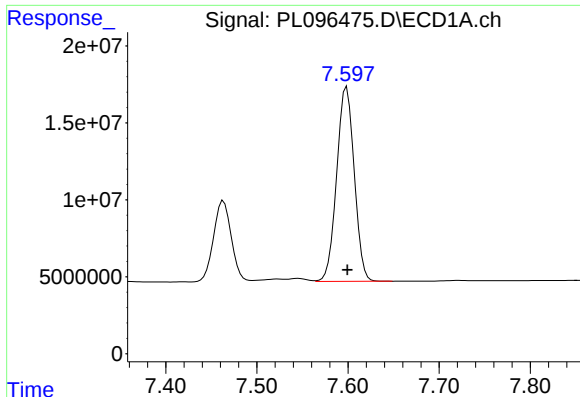
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 71406279
Conc: 45.33 ng/ml



#20 Methoxychlor

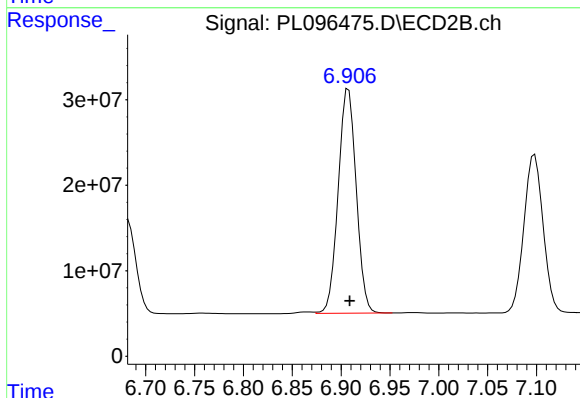
R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 140630703
Conc: 46.29 ng/ml



#21 Endrin ketone

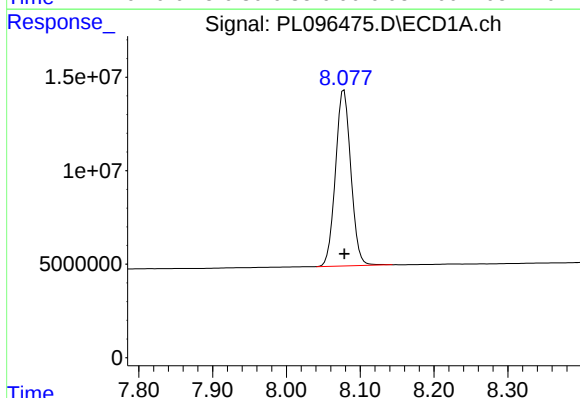
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 169461330
Conc: 51.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



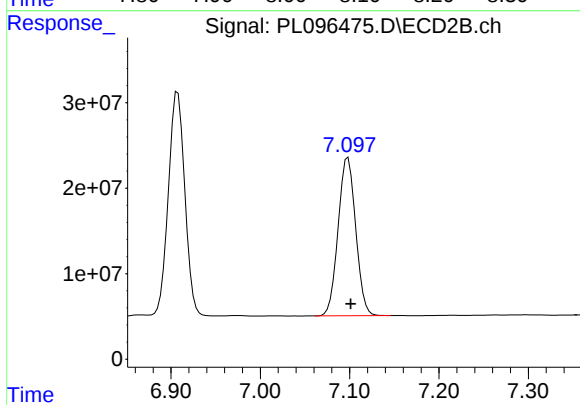
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 337571824
Conc: 53.99 ng/ml



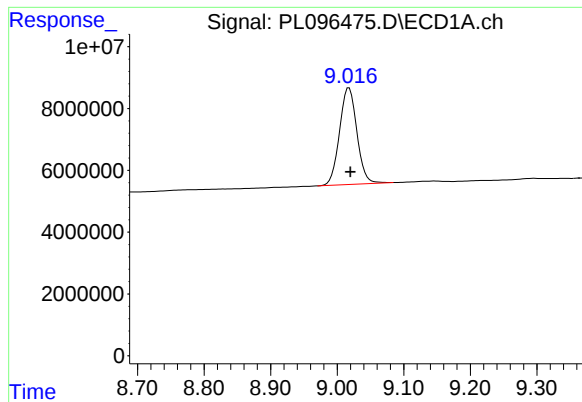
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 136134604
Conc: 48.93 ng/ml



#22 Mirex

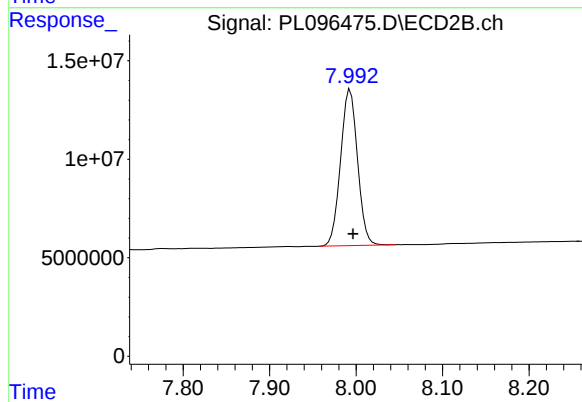
R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 253082456
Conc: 50.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 56713276
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168887BS



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 107508882
Conc: 21.56 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MS	SDG No.:	Q2592
Lab Sample ID:	Q2592-02MS	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	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096462.D	1	07/16/25 11:02	07/18/25 13:54	PB168887

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.30		0.037	0.50	ug/L
76-44-8	Heptachlor	5.00		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.096	0.50	ug/L
72-20-8	Endrin	5.20		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.10		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		57 - 171	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		61 - 148	97%	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\PL071825\
 Data File : PL096462.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 13:54
 Operator : AR\AJ
 Sample : Q2592-02MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20250711MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:25:02 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	2.828	68056515	111.5E6	18.651	19.327
2)	SA Decachlor...	9.019	7.994	47562824	87822228	16.908	17.612
Target Compounds							
2)	A alpha-BHC	3.984	3.334	252.1E6	446.6E6	49.014	52.956
3)	MA gamma-BHC...	4.312	3.666	247.2E6	419.9E6	49.641	53.314
4)	MA Heptachlor	4.904	4.015	222.2E6	380.9E6	48.505m	50.064
5)	MB Aldrin	5.245	4.298	223.1E6	354.4E6	46.149	48.580
6)	B beta-BHC	4.499	3.962	106.4E6	170.8E6	51.166	49.893
7)	B delta-BHC	4.744	4.195	246.7E6	412.5E6	55.047	53.560
8)	B Heptachlo...	5.664	4.800	219.8E6	340.5E6	52.985	50.929
9)	A Endosulfan I	6.046	5.171	195.2E6	314.4E6	48.341	43.819
10)	B gamma-Chl...	5.918	5.052	211.8E6	354.7E6	47.867	50.531
11)	B alpha-Chl...	5.998	5.116	210.1E6	349.2E6	47.975	46.430
12)	B 4,4'-DDE	6.169	5.305	174.6E6	325.5E6	47.089	50.359
13)	MA Dieldrin	6.318	5.436	204.5E6	347.4E6	48.359	50.937
14)	MA Endrin	6.545	5.709	161.7E6	307.4E6	51.988	50.424
15)	B Endosulfa...	6.756	6.002	170.6E6	293.3E6	49.165m	50.018
16)	A 4,4'-DDD	6.677	5.857	144.6E6	268.0E6	49.671	52.249
17)	MA 4,4'-DDT	6.991	6.110	147.6E6	267.3E6	48.615	46.614
18)	B Endrin al...	6.884	6.180	126.3E6	223.7E6	56.484m	50.210
19)	B Endosulfa...	7.120	6.403	150.9E6	282.1E6	49.344	50.151
20)	A Methoxychlor	7.464	6.682	79624308	139.8E6	50.542	46.009
21)	B Endrin ke...	7.599	6.907	160.4E6	298.2E6	48.577	47.695
22)	Mirex	8.079	7.098	128.3E6	226.5E6	46.131	45.588

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096462.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 13:54
Operator : AR\AJ
Sample : Q2592-02MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

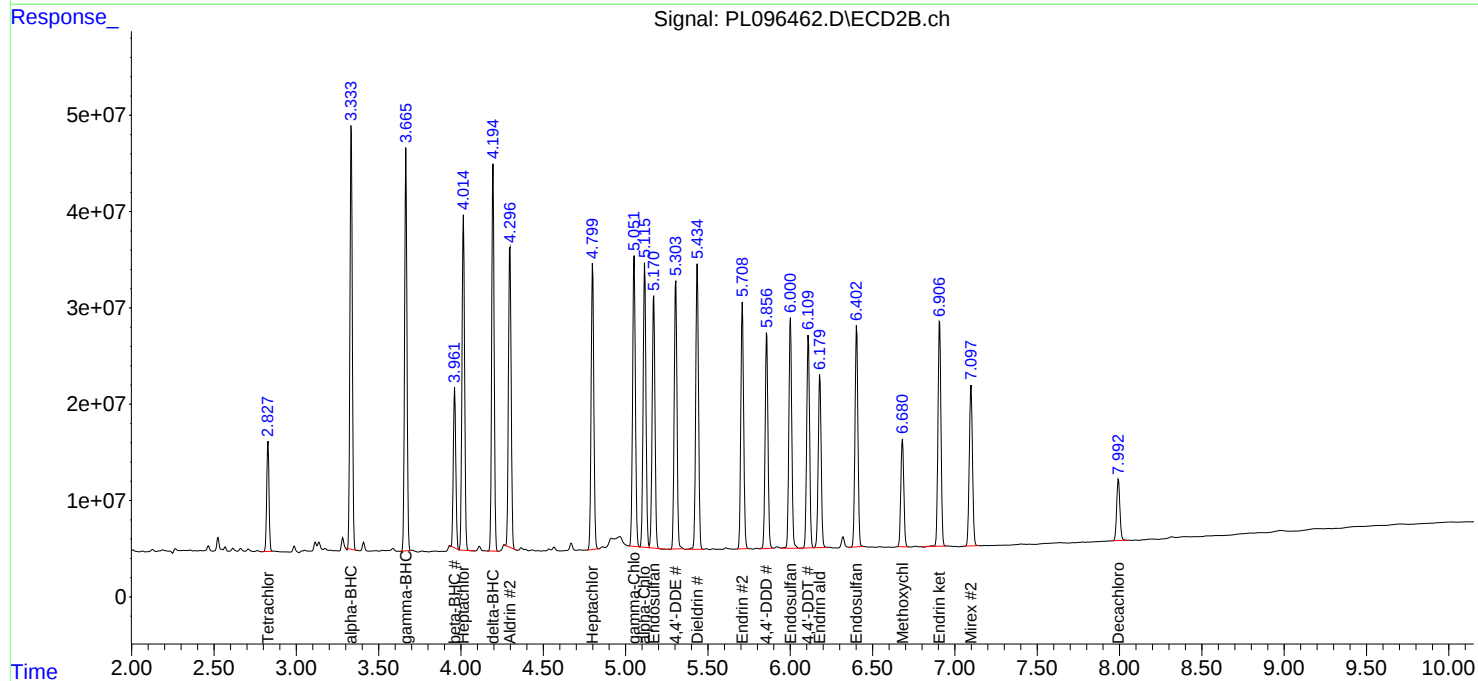
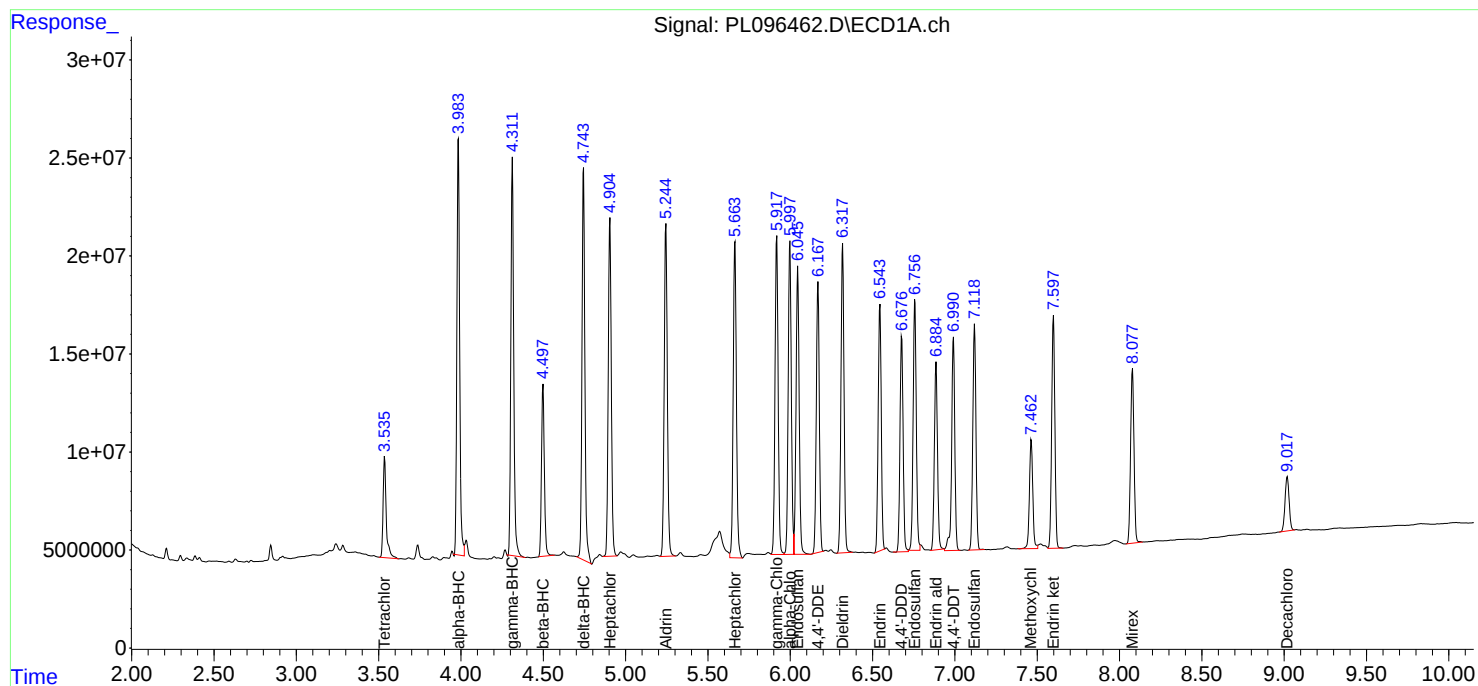
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations
APPROVED

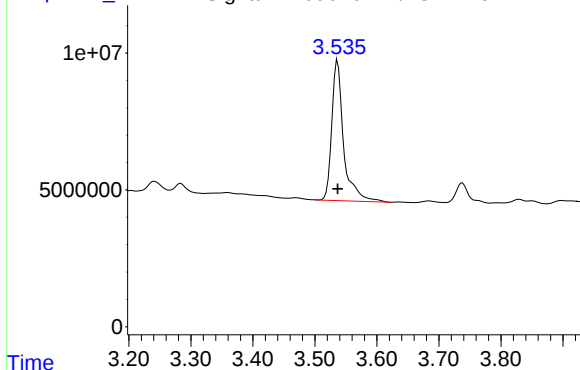
Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:25:02 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: PL096462.D\ECD1A.ch



#1 Tetrachloro-m-xylene

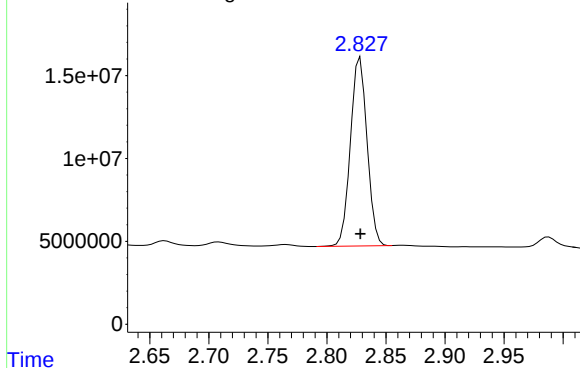
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 68056515
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

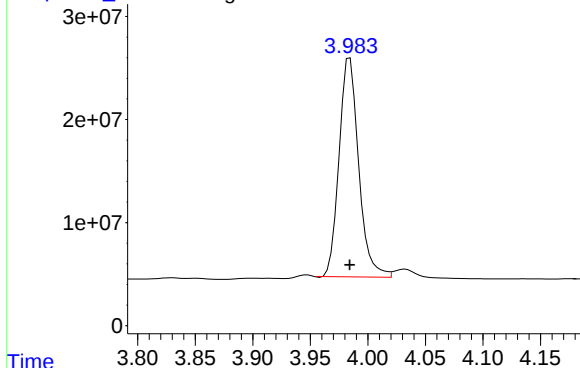
Response_ Signal: PL096462.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 111538964
Conc: 19.33 ng/ml

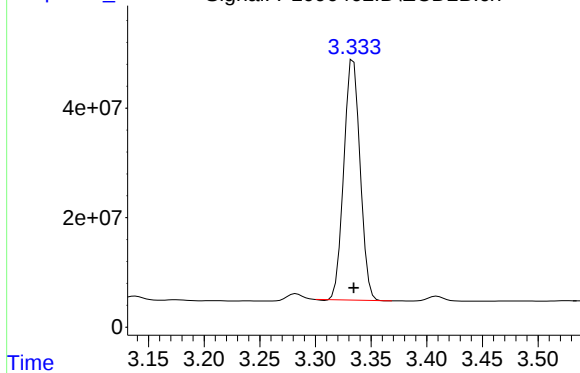
Response_ Signal: PL096462.D\ECD1A.ch



#2 alpha-BHC

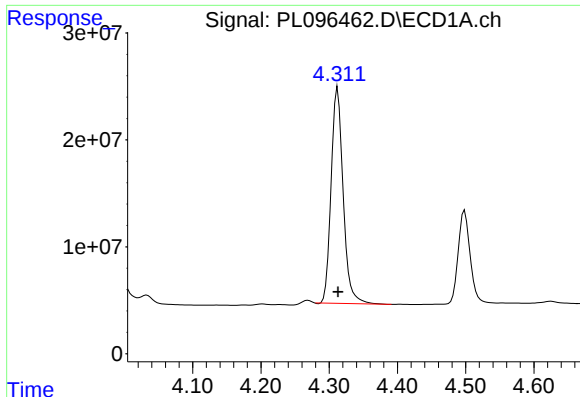
R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 252085333
Conc: 49.01 ng/ml

Response_ Signal: PL096462.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 446649156
Conc: 52.96 ng/ml



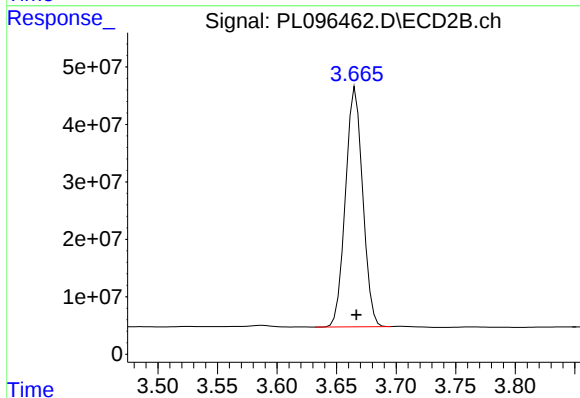
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 247193845
Conc: 49.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

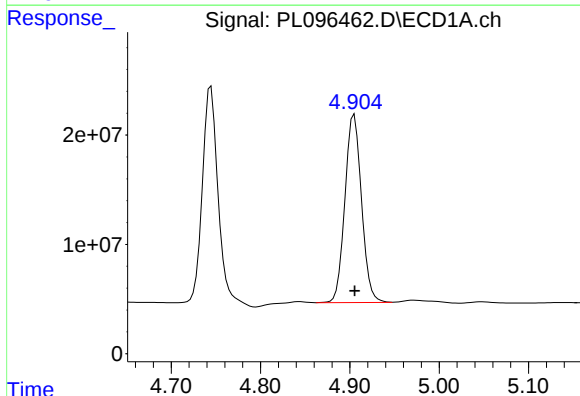
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



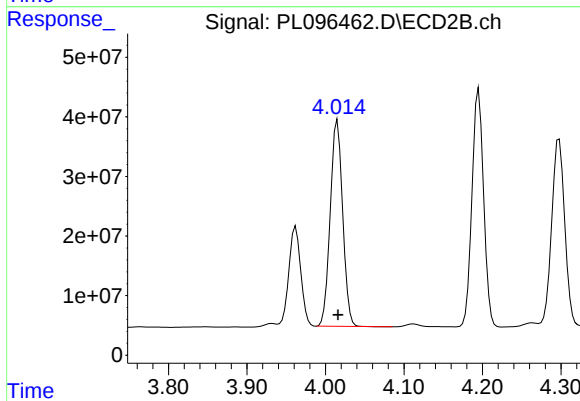
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 419893765
Conc: 53.31 ng/ml



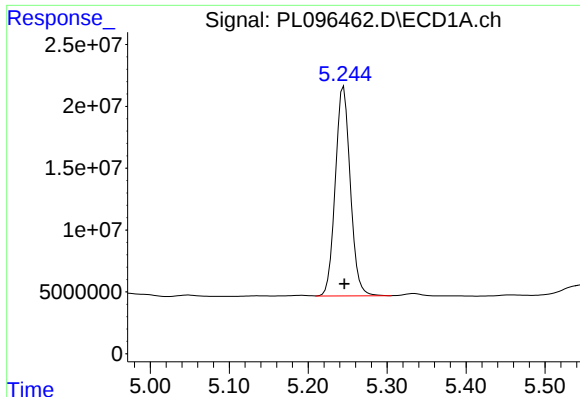
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.002 min
Response: 222213767
Conc: 48.51 ng/ml m



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 380875978
Conc: 50.06 ng/ml



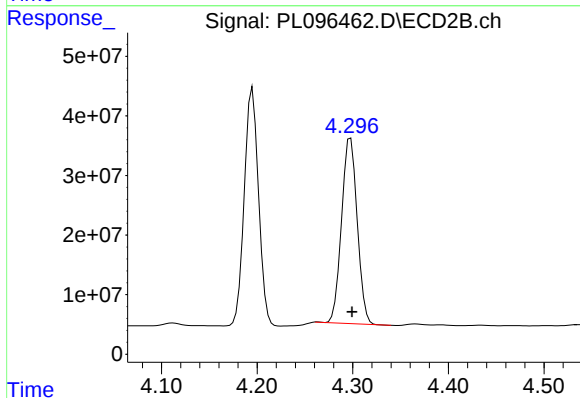
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 223072088
Conc: 46.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

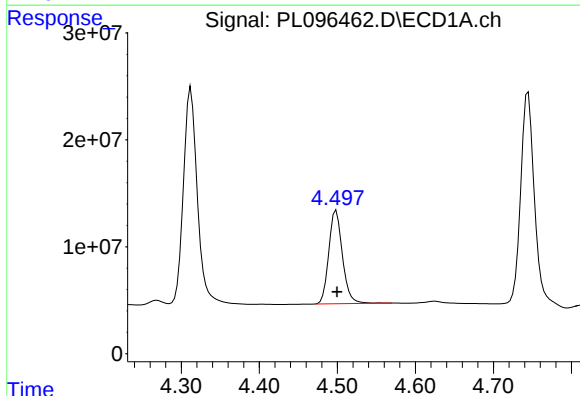
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



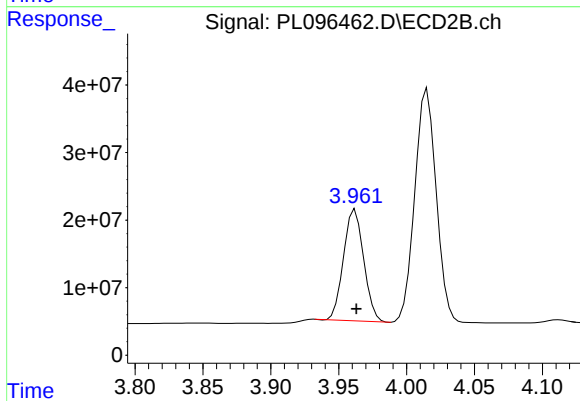
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 354418365
Conc: 48.58 ng/ml



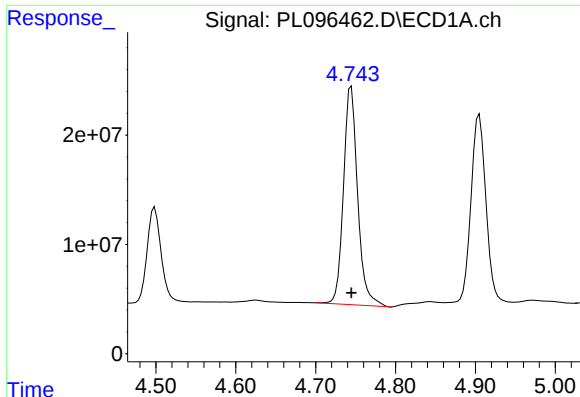
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 106363134
Conc: 51.17 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 170829405
Conc: 49.89 ng/ml



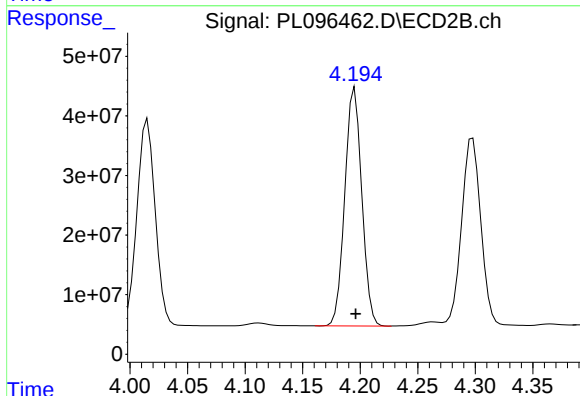
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 246685690
Conc: 55.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

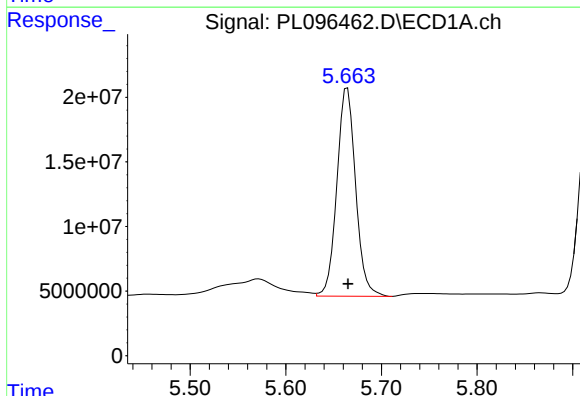
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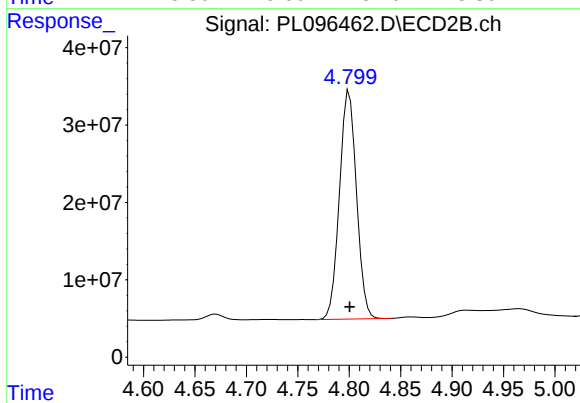
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 412513721
Conc: 53.56 ng/ml



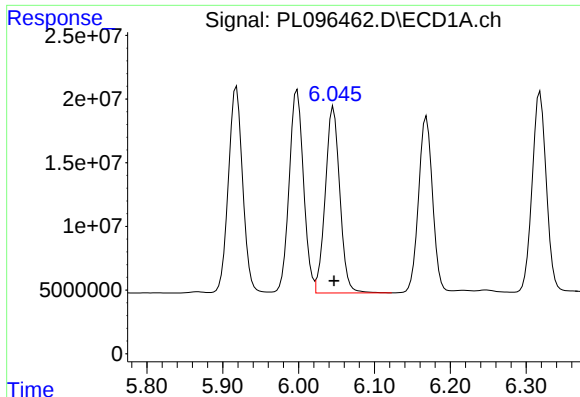
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 219844706
Conc: 52.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 340455356
Conc: 50.93 ng/ml



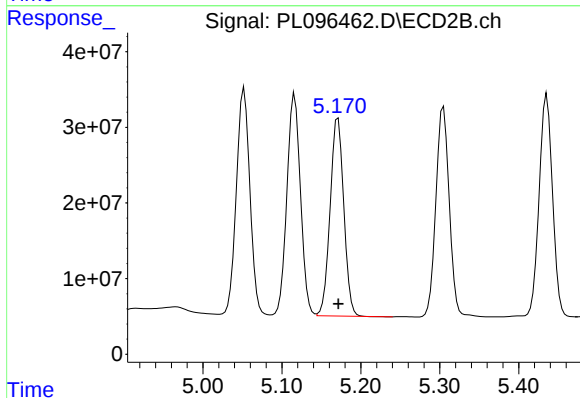
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 195163169
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

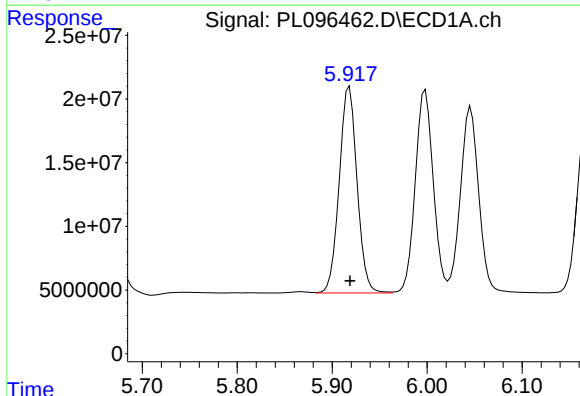
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Supervised By :mohammad ahmed 07/22/2025



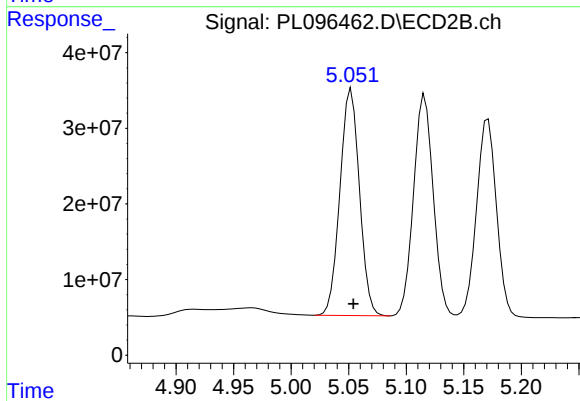
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 314362731
Conc: 43.82 ng/ml



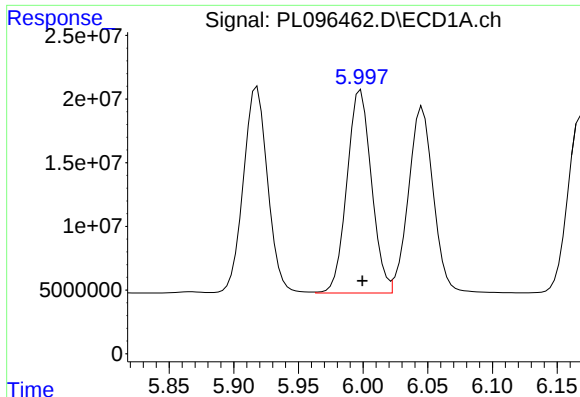
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 211802844
Conc: 47.87 ng/ml



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 354711682
Conc: 50.53 ng/ml



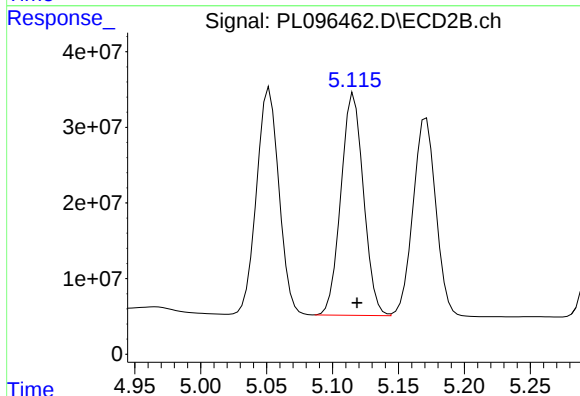
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 210075641
Conc: 47.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

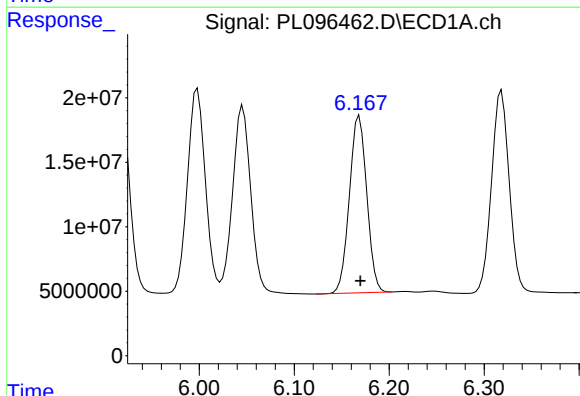
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



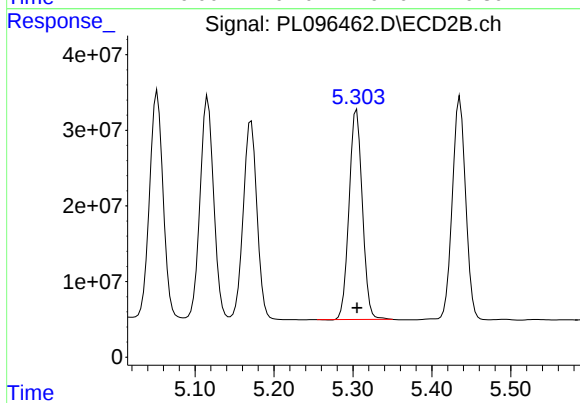
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 349164311
Conc: 46.43 ng/ml



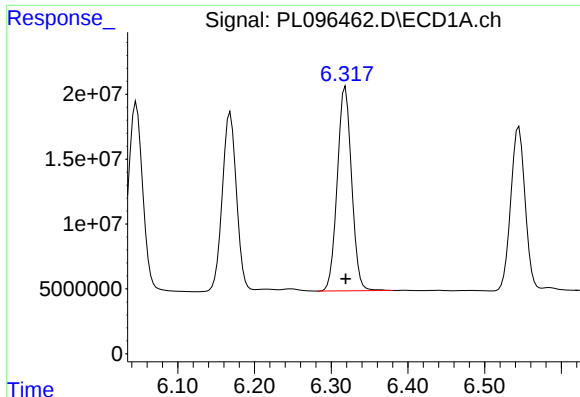
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: -0.001 min
Response: 174579906
Conc: 47.09 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 325502029
Conc: 50.36 ng/ml



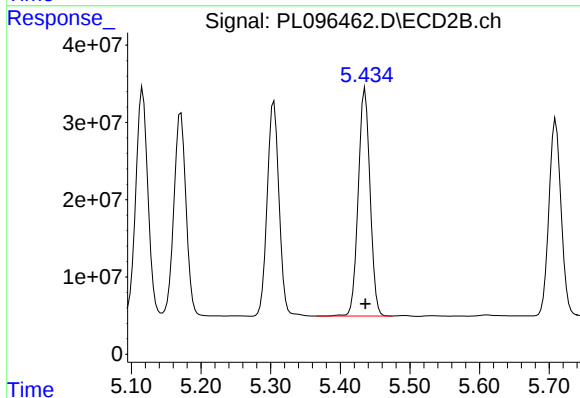
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 204481393
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

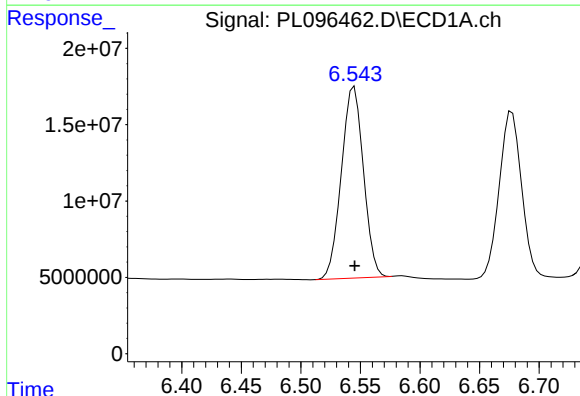
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



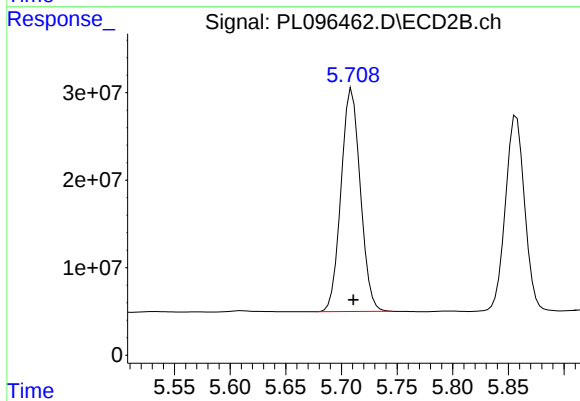
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 347353471
Conc: 50.94 ng/ml



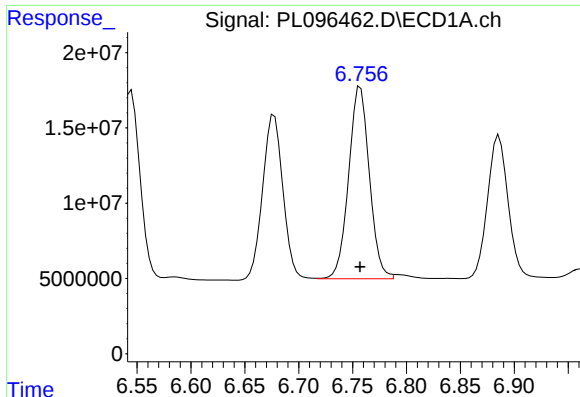
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 161692885
Conc: 51.99 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.001 min
Response: 307412114
Conc: 50.42 ng/ml



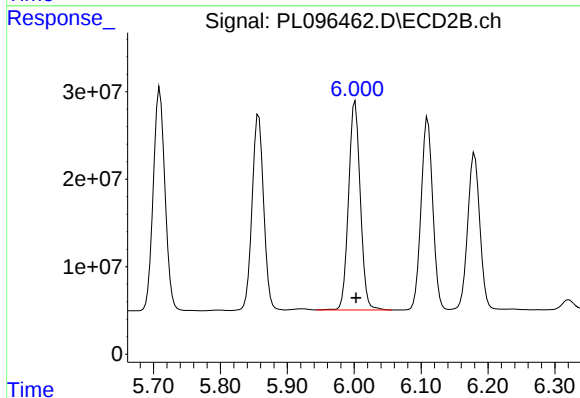
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 170604038
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

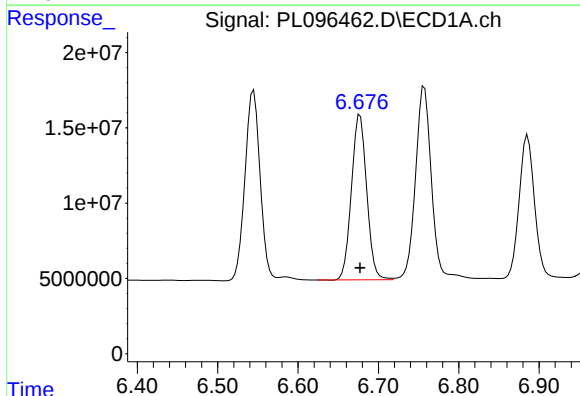
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Supervised By :mohammad ahmed 07/22/2025



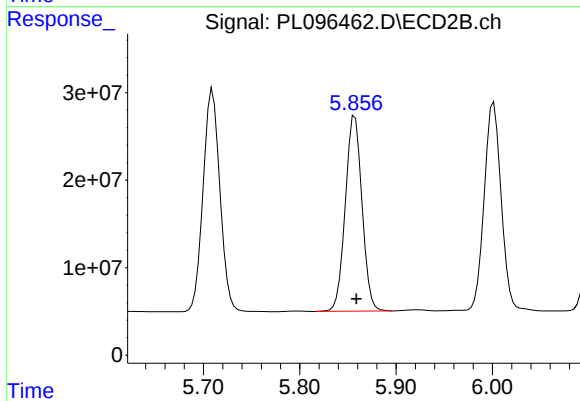
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: -0.001 min
Response: 293301417
Conc: 50.02 ng/ml



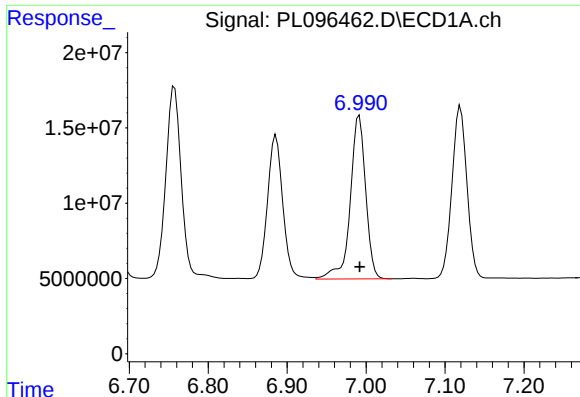
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 144625711
Conc: 49.67 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 267967220
Conc: 52.25 ng/ml



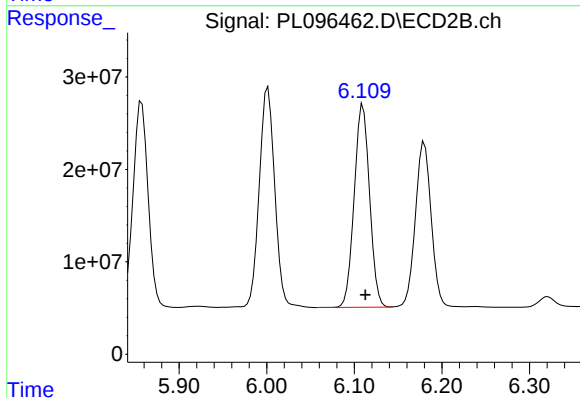
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 147557880
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

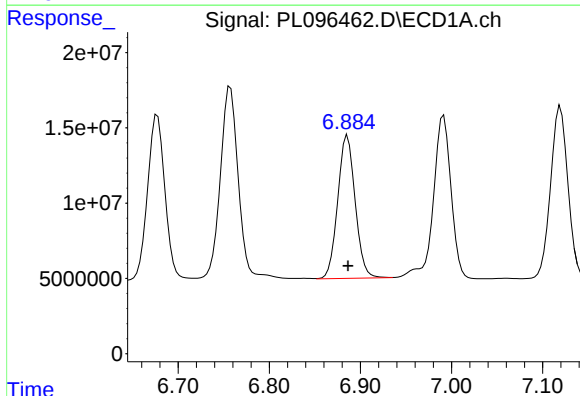
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



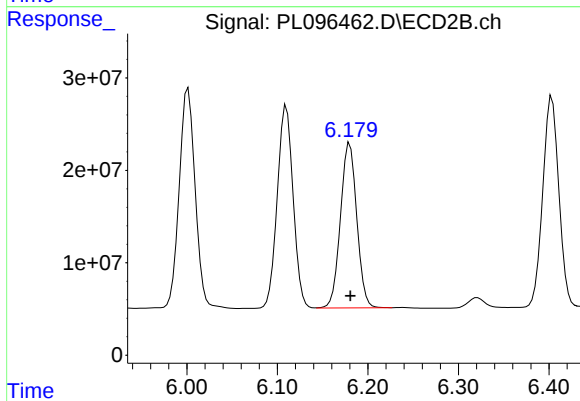
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 267337706
Conc: 46.61 ng/ml



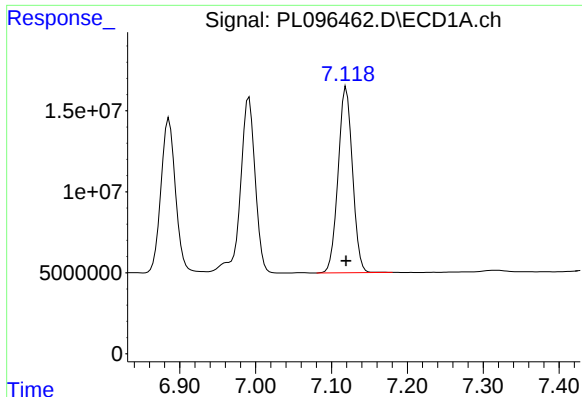
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 126272270
Conc: 56.48 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 223664768
Conc: 50.21 ng/ml



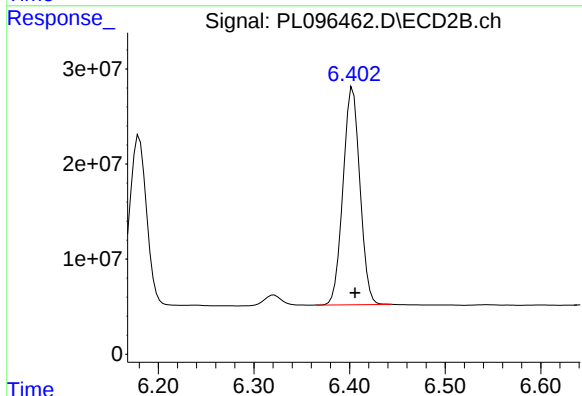
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 150935362
Conc: 49.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

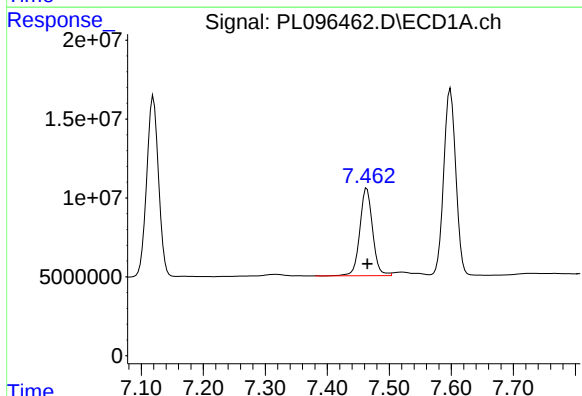
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



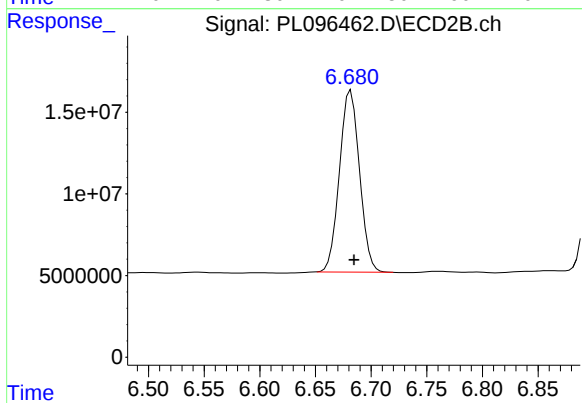
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 282068023
Conc: 50.15 ng/ml



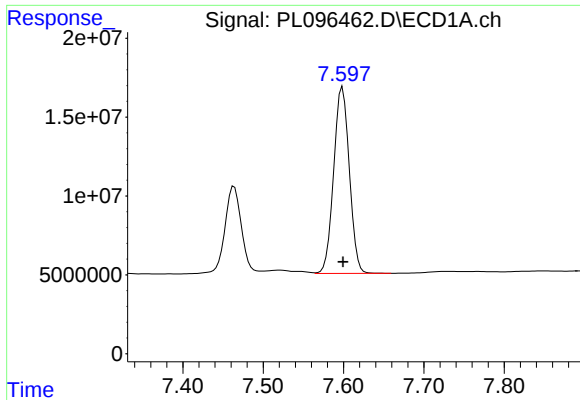
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 79624308
Conc: 50.54 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 139764278
Conc: 46.01 ng/ml



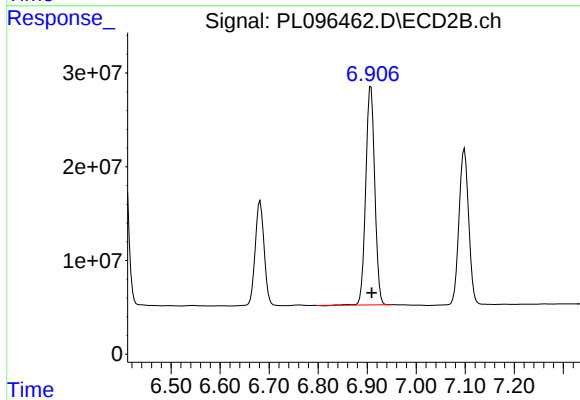
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 160382105
Conc: 48.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

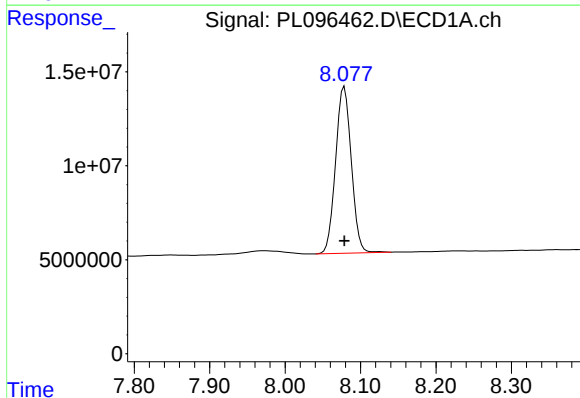
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



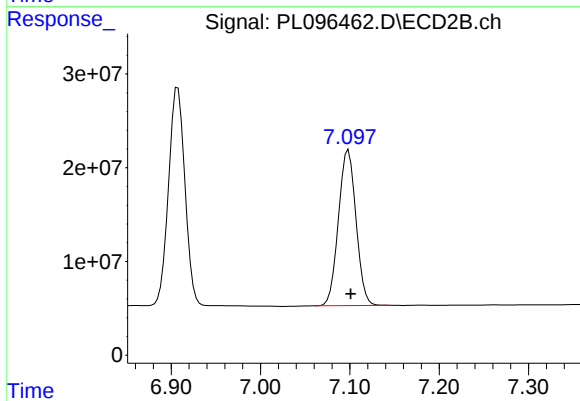
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.001 min
Response: 298201323
Conc: 47.70 ng/ml



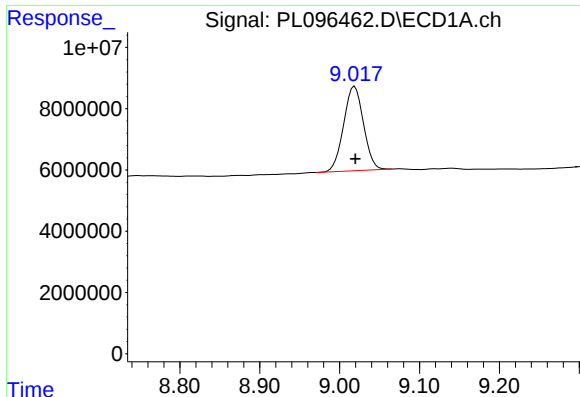
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 128347487
Conc: 46.13 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 226490525
Conc: 45.59 ng/ml



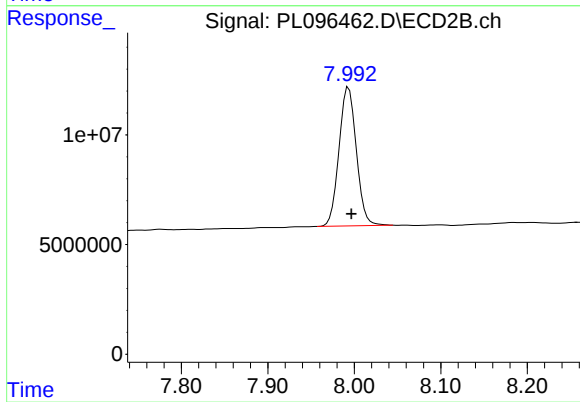
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: -0.001 min
Response: 47562824
Conc: 16.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 87822228
Conc: 17.61 ng/ml

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MSD	SDG No.:	Q2592
Lab Sample ID:	Q2592-02MSD	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	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096463.D	1	07/16/25 11:02	07/18/25 14:07	PB168887

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.40		0.037	0.50	ug/L
76-44-8	Heptachlor	5.10		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.096	0.50	ug/L
72-20-8	Endrin	5.30		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.90		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.4		57 - 171	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		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\PL071825\
 Data File : PL096463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 14:07
 Operator : AR\AJ
 Sample : Q2592-02MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20250711MSD

Manual Integrations
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 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:25:17 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	2.828	69757783	112.8E6	19.117	19.538
28)	SA Decachlor...	9.018	7.993	51790159	90345628	18.411	18.118
Target Compounds							
2)	A alpha-BHC	3.982	3.334	259.4E6	453.0E6	50.445m	53.711
3)	MA gamma-BHC...	4.312	3.666	252.1E6	426.0E6	50.626	54.095
4)	MA Heptachlor	4.903	4.015	228.2E6	387.6E6	49.803m	50.944
5)	MB Aldrin	5.245	4.297	226.9E6	369.5E6	46.942	50.653m
6)	B beta-BHC	4.499	3.962	108.0E6	175.0E6	51.932	51.101
7)	B delta-BHC	4.744	4.195	248.4E6	419.5E6	55.423	54.473
8)	B Heptachlo...	5.664	4.800	221.0E6	347.7E6	53.253	52.007
9)	A Endosulfan I	6.046	5.171	198.8E6	320.3E6	49.249	44.640
10)	B gamma-Chl...	5.918	5.052	214.9E6	362.4E6	48.568	51.626
11)	B alpha-Chl...	5.998	5.116	213.3E6	356.6E6	48.705	47.413
12)	B 4,4'-DDE	6.168	5.305	178.0E6	334.8E6	48.005	51.795
13)	MA Dieldrin	6.318	5.436	207.7E6	353.5E6	49.117	51.837
14)	MA Endrin	6.544	5.710	164.7E6	314.9E6	52.939	51.653
15)	B Endosulfa...	6.757	6.002	182.1E6	303.2E6	52.468	51.705
16)	A 4,4'-DDD	6.677	5.857	147.1E6	277.2E6	50.533	54.041
17)	MA 4,4'-DDT	6.991	6.110	148.9E6	274.2E6	49.067	47.814
18)	B Endrin al...	6.886	6.180	130.0E6	227.5E6	58.173	51.069
19)	B Endosulfa...	7.119	6.404	154.3E6	290.8E6	50.434	51.697
20)	A Methoxychlor	7.463	6.682	77282780	144.0E6	49.056	47.402
21)	B Endrin ke...	7.599	6.907	161.2E6	308.4E6	48.823	49.321
22)	Mirex	8.078	7.098	129.4E6	235.8E6	46.500	47.470

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 14:07
Operator : AR\AJ
Sample : Q2592-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

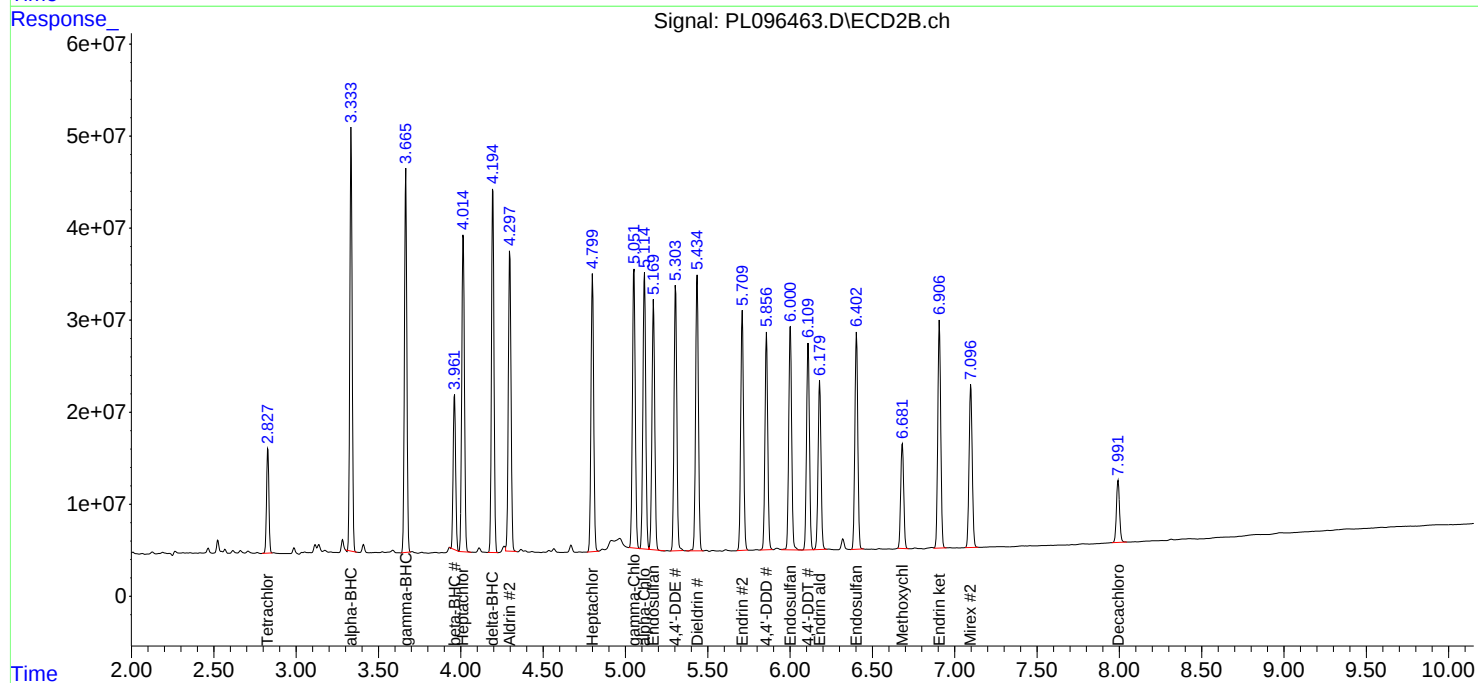
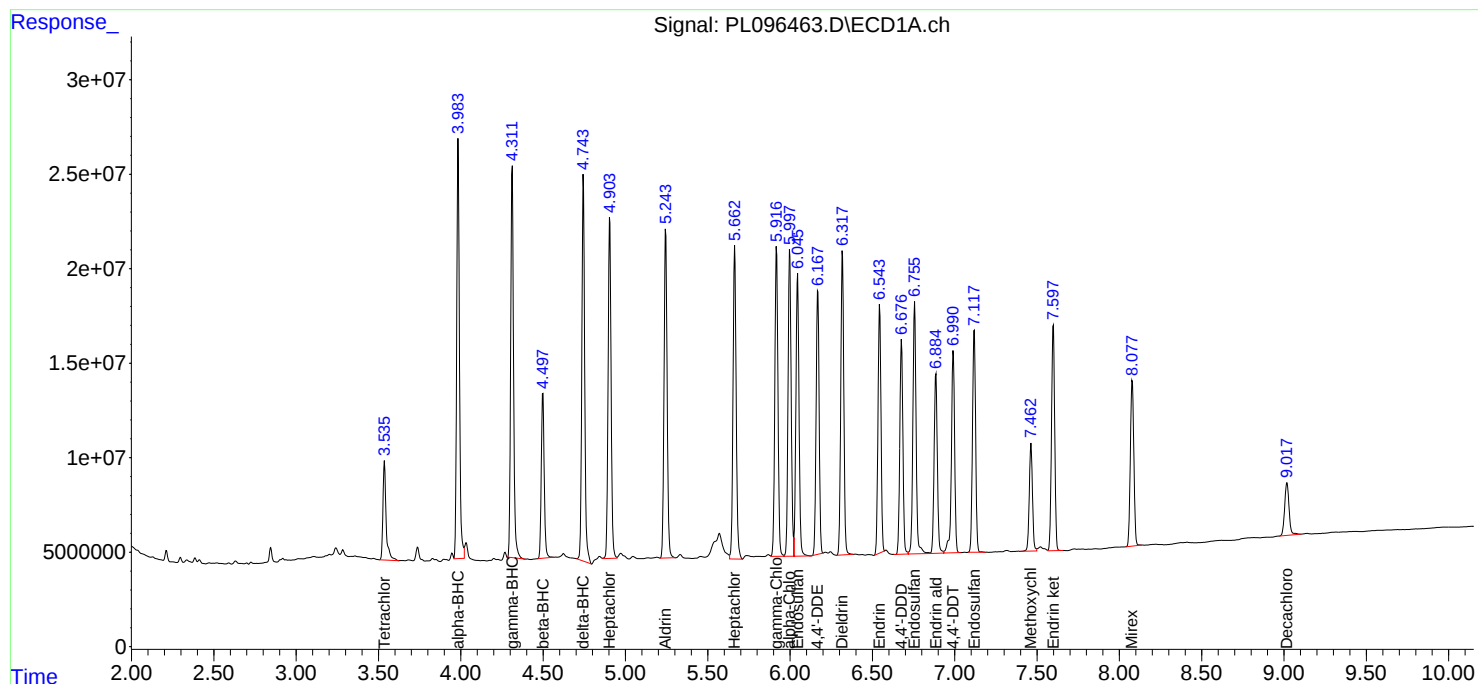
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations
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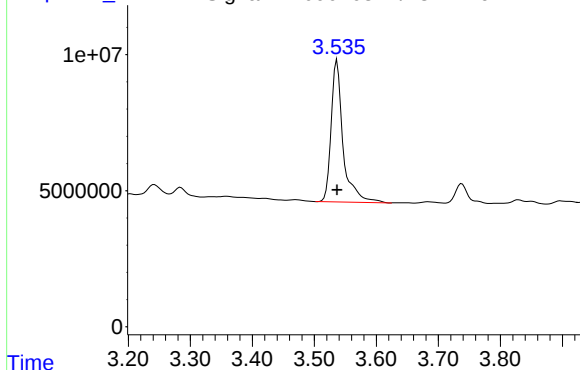
Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:25:17 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



Response_ Signal: PL096463.D\ECD1A.ch



#1 Tetrachloro-m-xylene

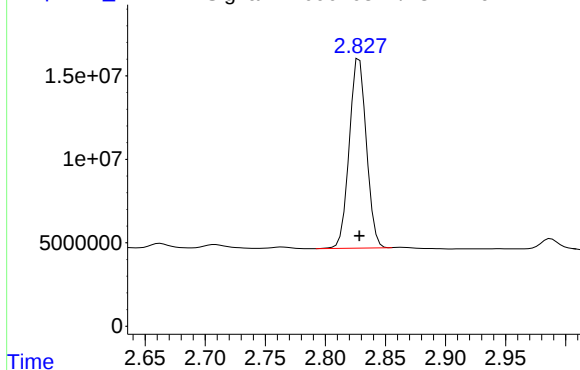
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 69757783
Conc: 19.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

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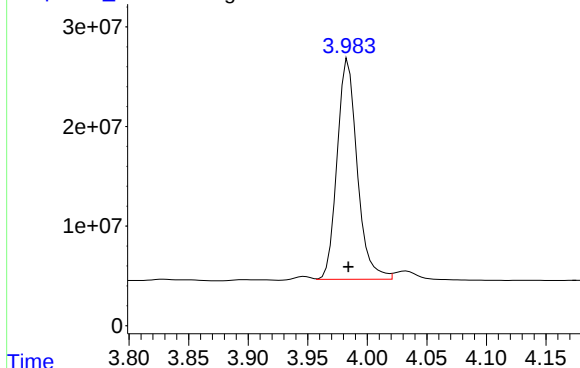
Response_ Signal: PL096463.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 112759360
Conc: 19.54 ng/ml

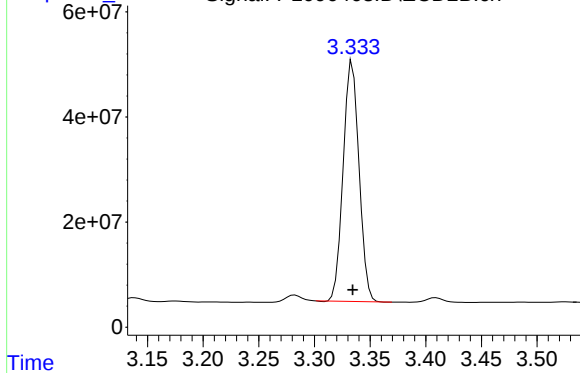
Response_ Signal: PL096463.D\ECD1A.ch



#2 alpha-BHC

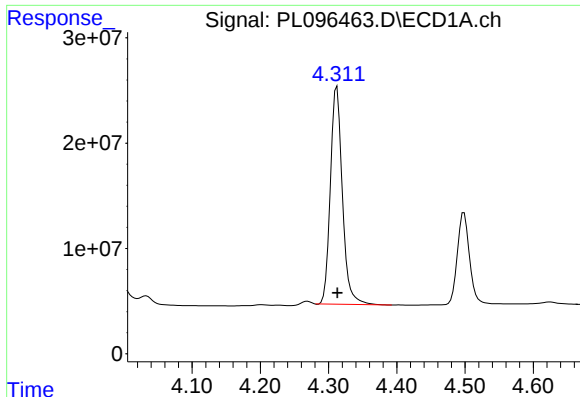
R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 259443584
Conc: 50.44 ng/ml m

Response_ Signal: PL096463.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 453014404
Conc: 53.71 ng/ml



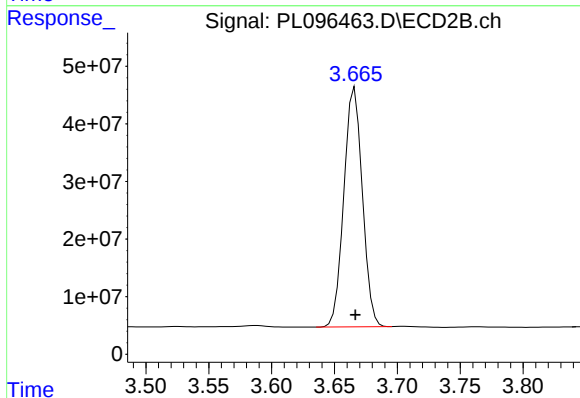
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 252101411
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

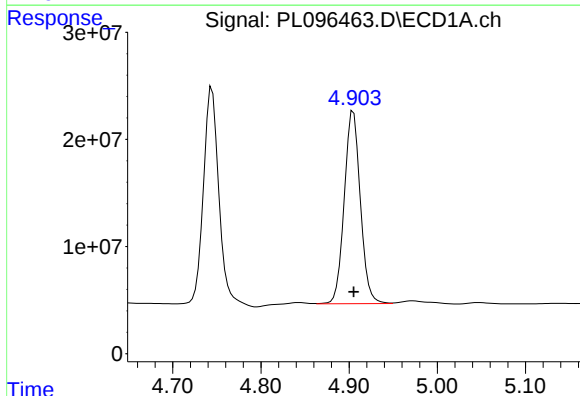
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025



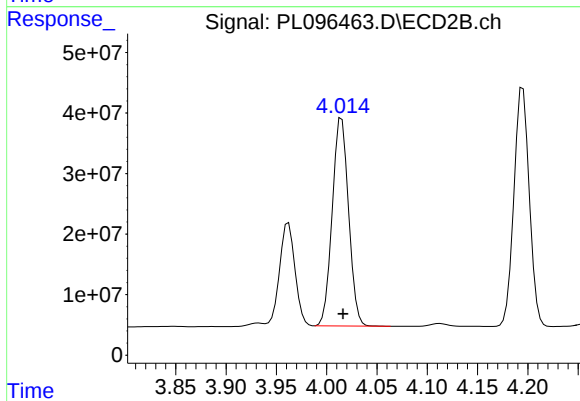
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 426043672
Conc: 54.09 ng/ml



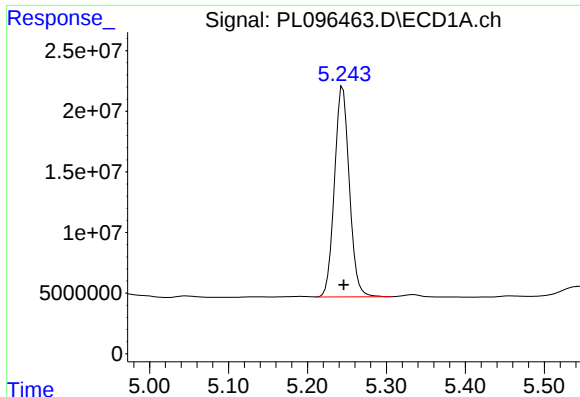
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 228158475
Conc: 49.80 ng/ml m



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 387566254
Conc: 50.94 ng/ml



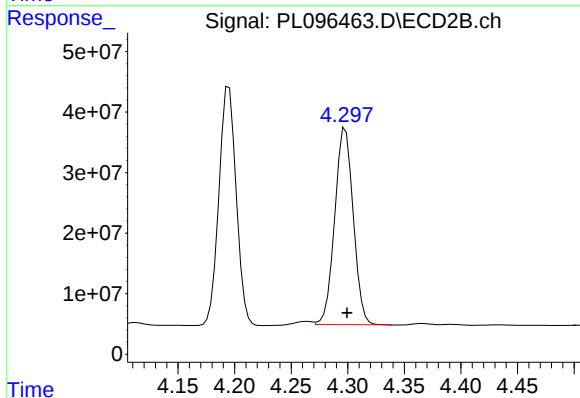
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 226904982
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

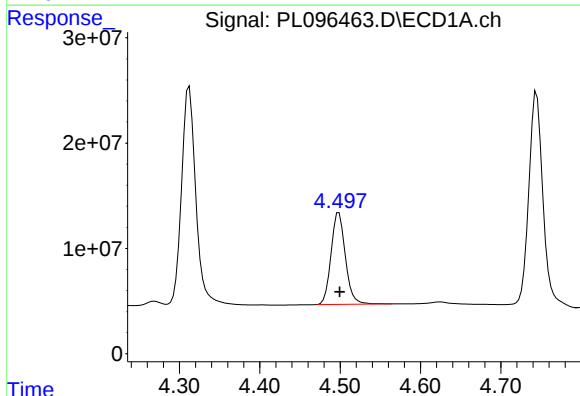
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Supervised By :mohammad ahmed 07/22/2025



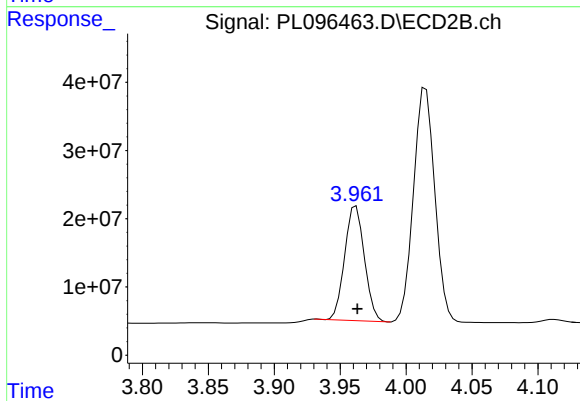
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 369547710
Conc: 50.65 ng/ml m



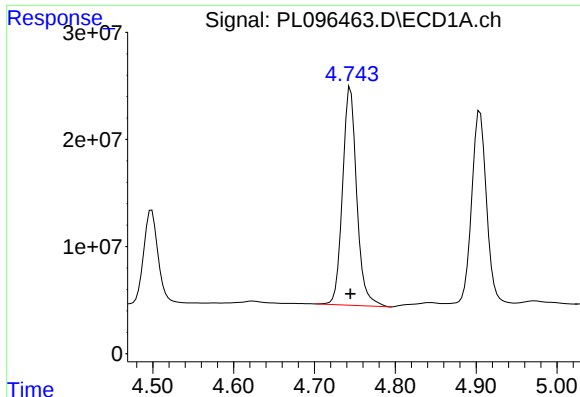
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 107956886
Conc: 51.93 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 174966354
Conc: 51.10 ng/ml



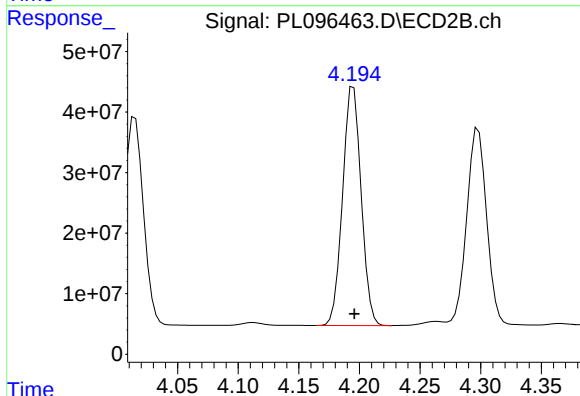
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 248370200
Conc: 55.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

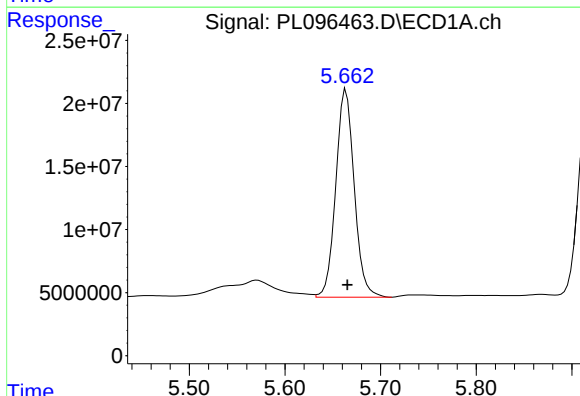
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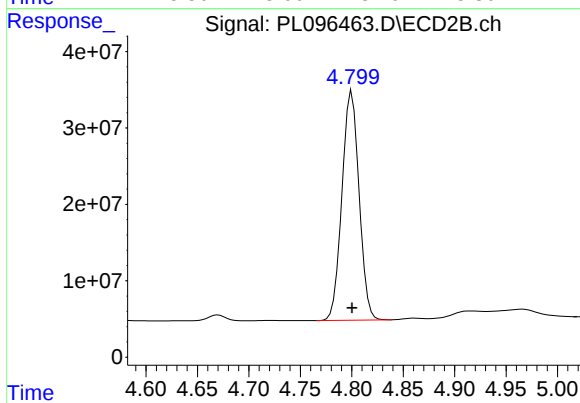
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 419542665
Conc: 54.47 ng/ml



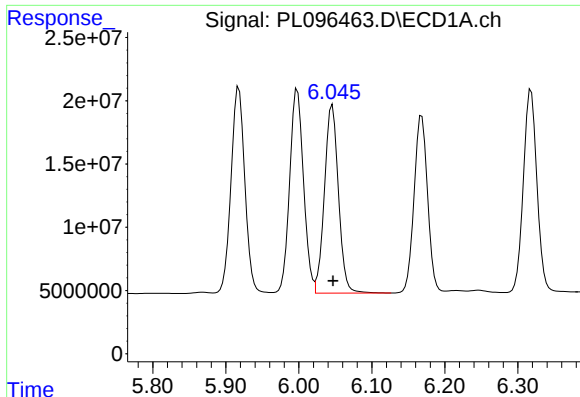
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 220955774
Conc: 53.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 347660754
Conc: 52.01 ng/ml



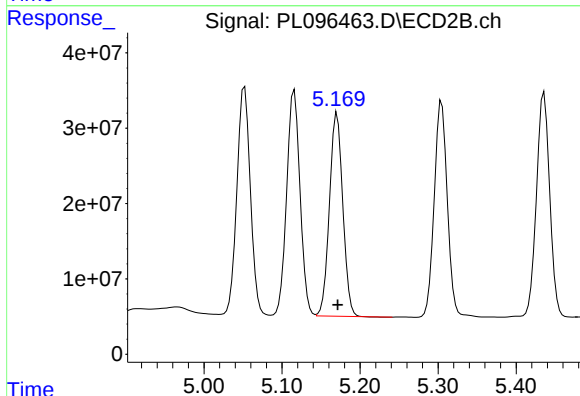
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 198829075
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

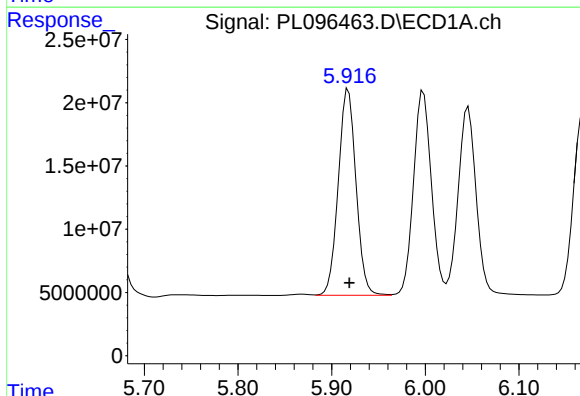
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Supervised By :mohammad ahmed 07/22/2025



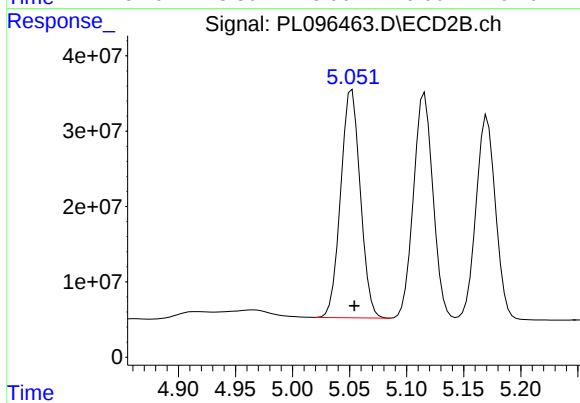
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: -0.001 min
Response: 320256639
Conc: 44.64 ng/ml



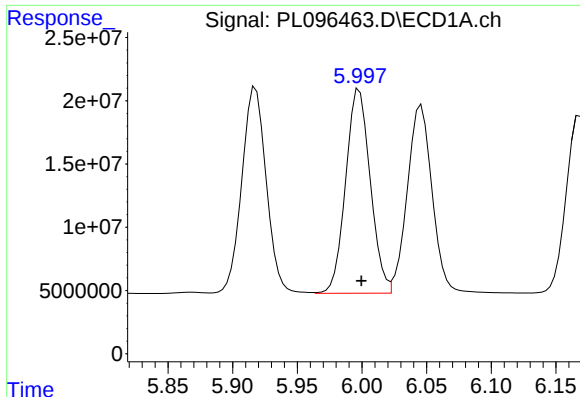
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 214904192
Conc: 48.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 362400011
Conc: 51.63 ng/ml



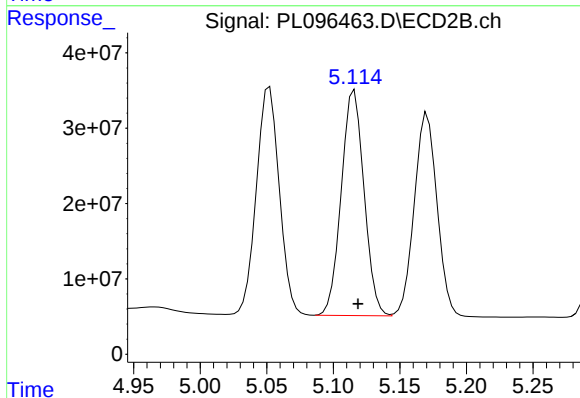
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 213272668
Conc: 48.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

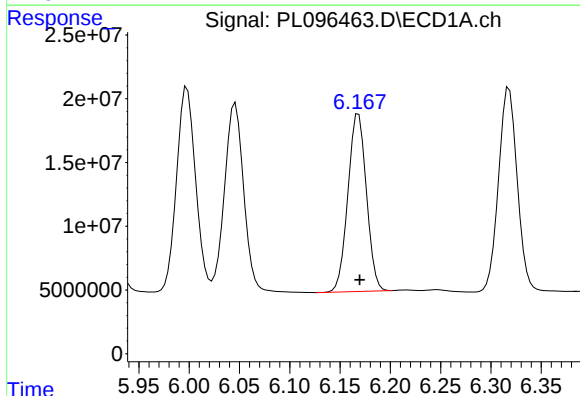
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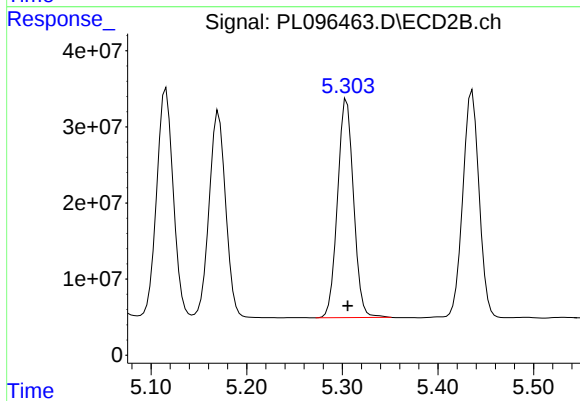
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 356556221
Conc: 47.41 ng/ml



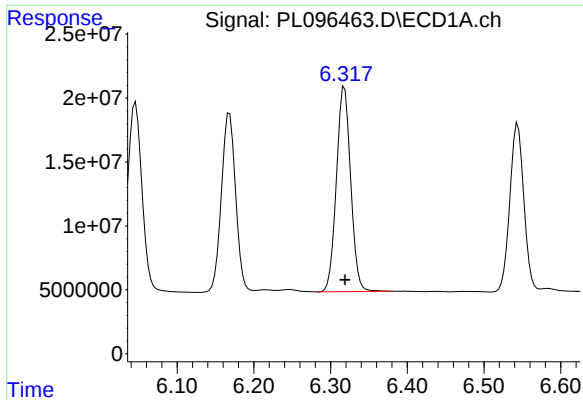
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 177976797
Conc: 48.00 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 334785198
Conc: 51.79 ng/ml



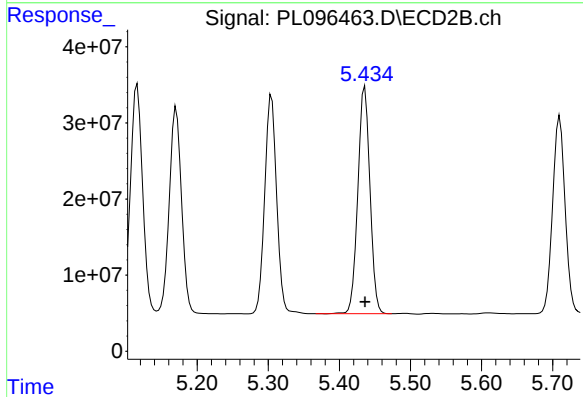
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 207686175
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

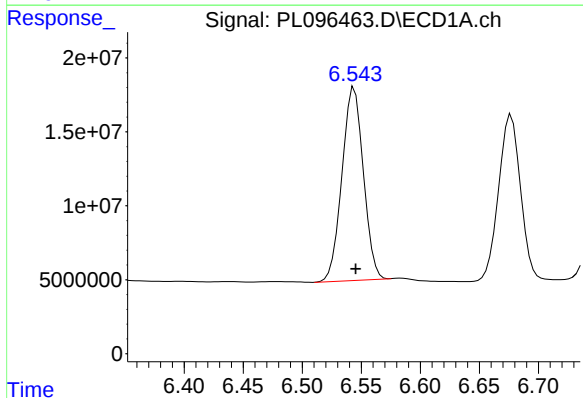
**Manual Integrations
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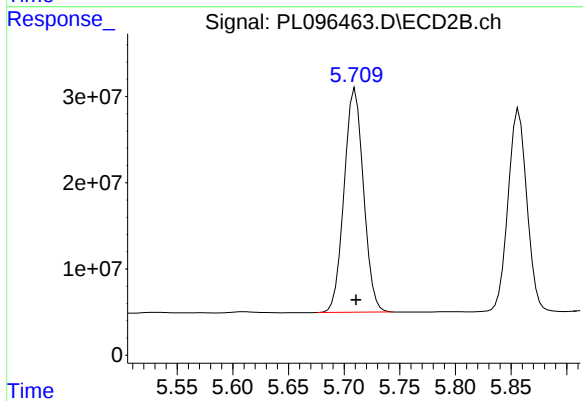
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 353490538
Conc: 51.84 ng/ml



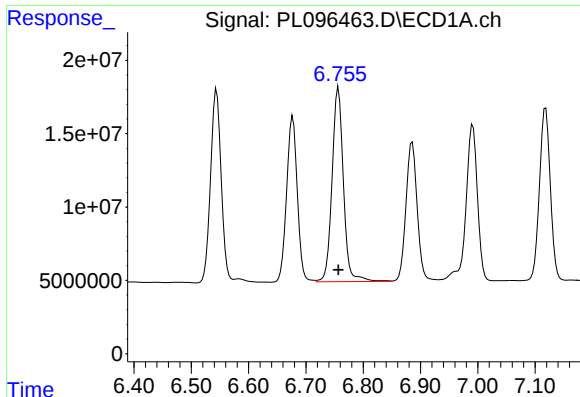
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 164652381
Conc: 52.94 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 314903024
Conc: 51.65 ng/ml



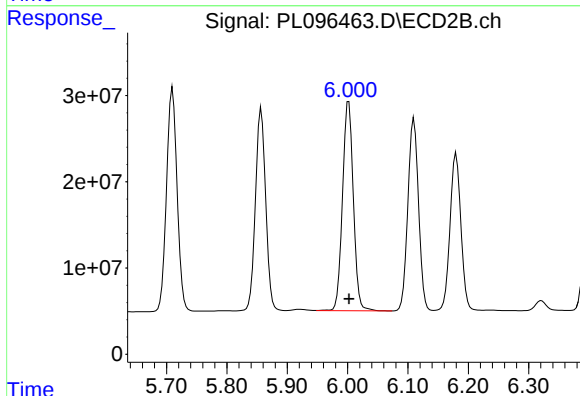
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 182067395
Conc: 52.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

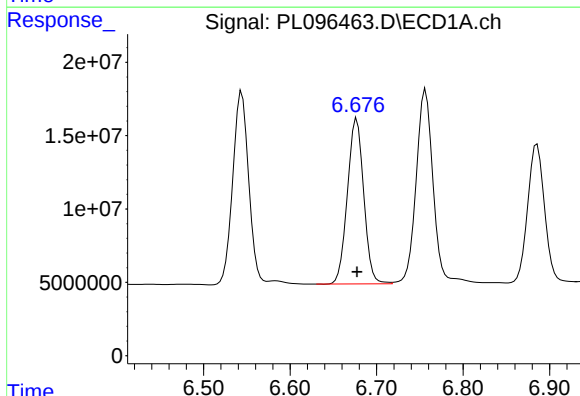
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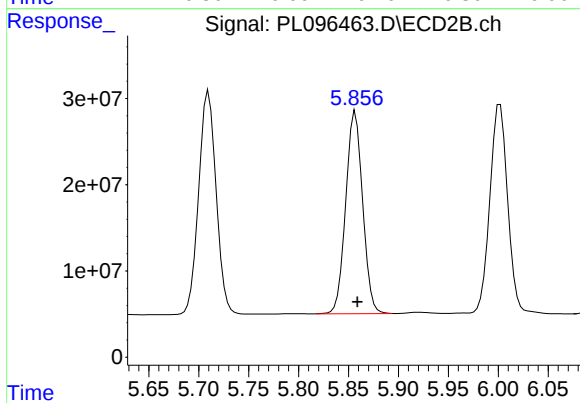
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 303193263
Conc: 51.71 ng/ml



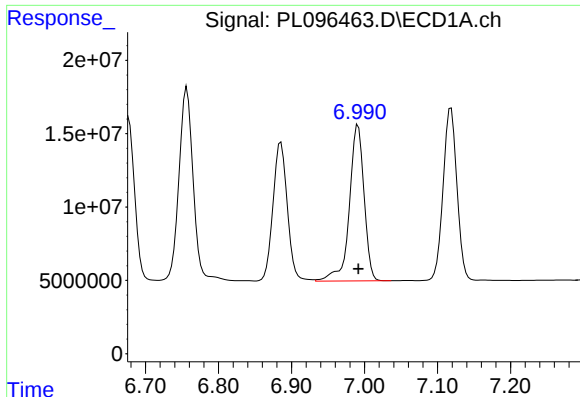
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 147136574
Conc: 50.53 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 277160176
Conc: 54.04 ng/ml



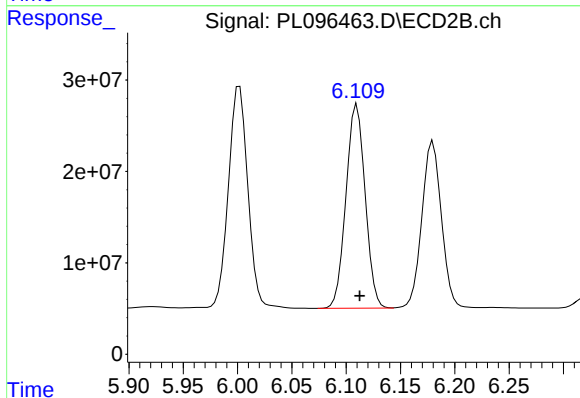
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 148929401
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

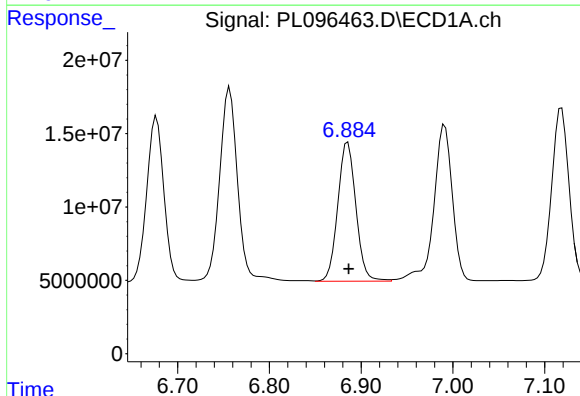
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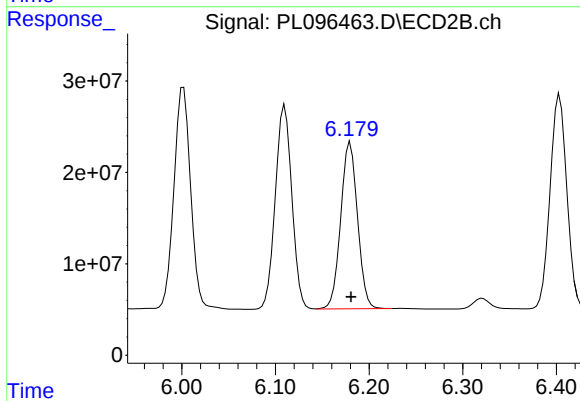
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 274219588
Conc: 47.81 ng/ml



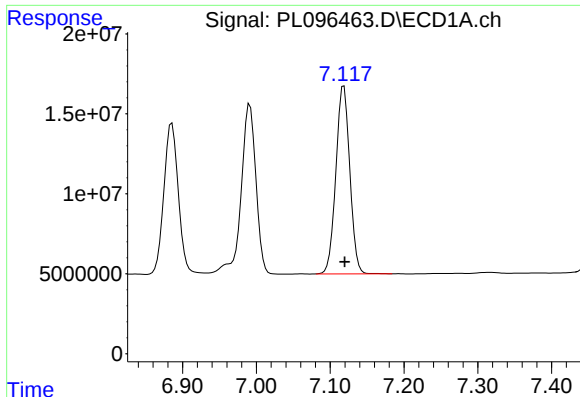
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 130049443
Conc: 58.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 227490785
Conc: 51.07 ng/ml



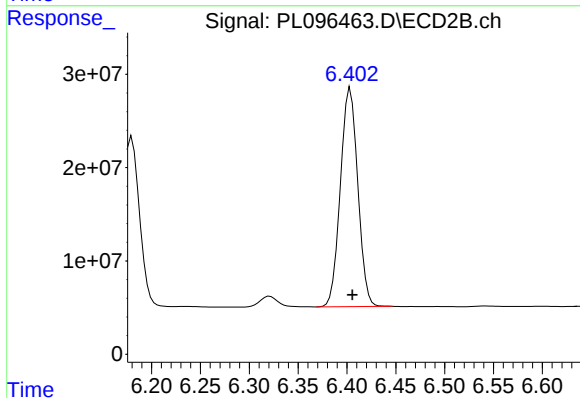
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 154269371
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

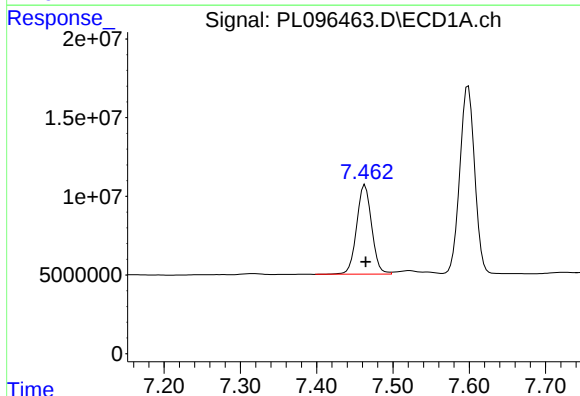
Manual Integrations
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Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



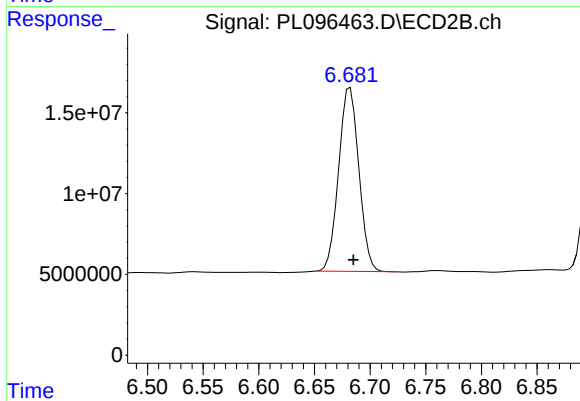
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 290765290
Conc: 51.70 ng/ml



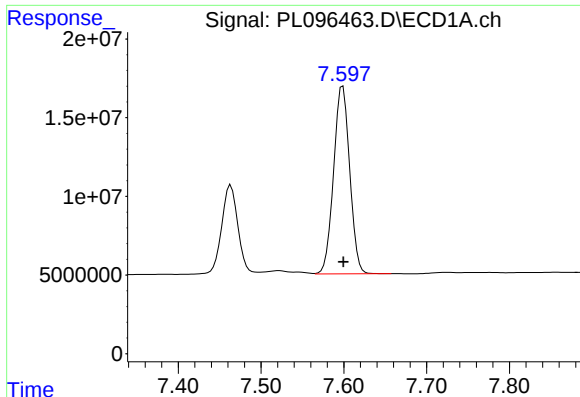
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 77282780
Conc: 49.06 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 143995625
Conc: 47.40 ng/ml



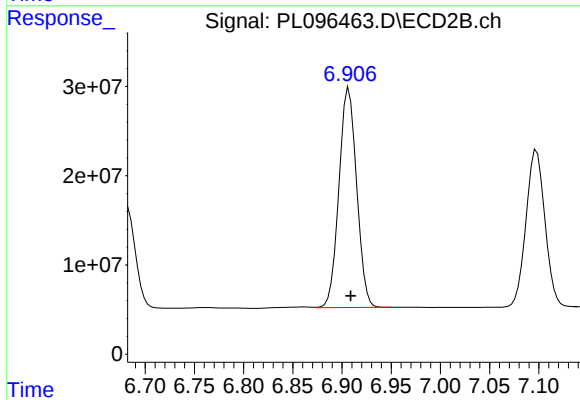
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 161194395
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

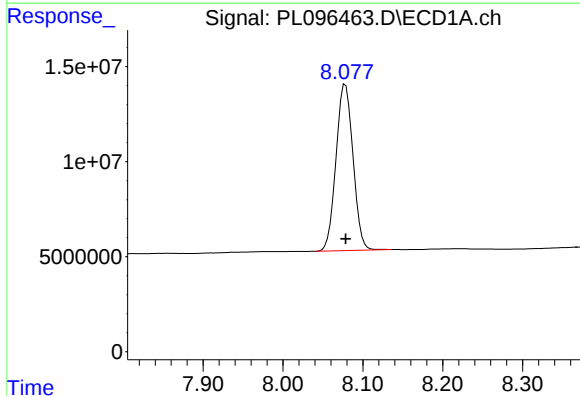
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



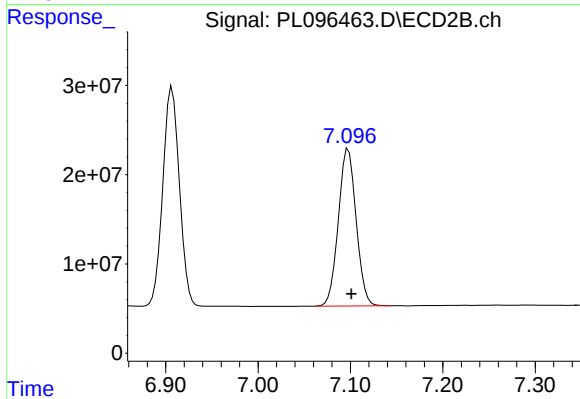
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 308367424
Conc: 49.32 ng/ml



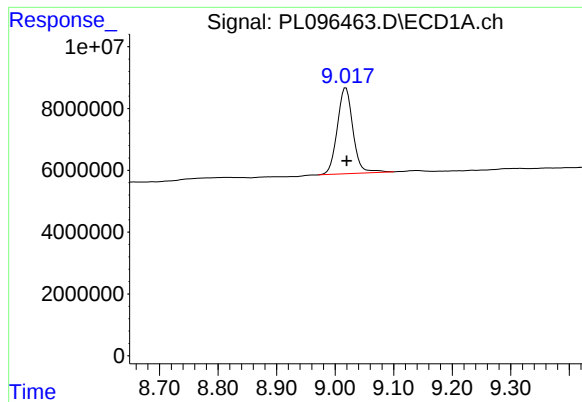
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 129373860
Conc: 46.50 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 235839484
Conc: 47.47 ng/ml



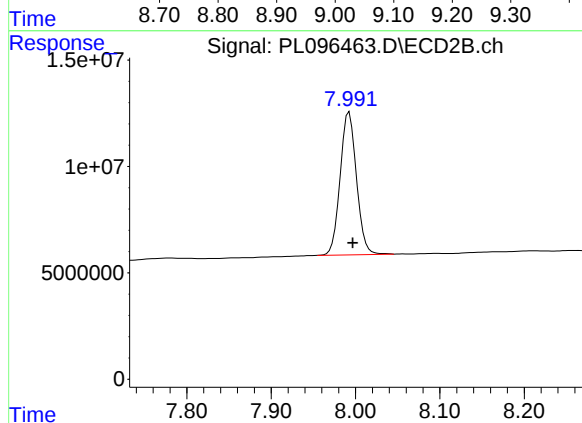
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 51790159
Conc: 18.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 90345628
Conc: 18.12 ng/ml

Manual Integration Report

Sequence:

PL070725

Instrument

ECD_I

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:	PL071825	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096442.D	Endrin aldehyde	Abdul	7/21/2025 8:15:51 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096443.D	Endrin aldehyde	Abdul	7/21/2025 8:15:55 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02	PL096450.D	Tetrachloro-m-xylene	Abdul	7/21/2025 8:16:11 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MS	PL096462.D	Endosulfan II	Abdul	7/21/2025 8:16:21 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MS	PL096462.D	Endrin aldehyde	Abdul	7/21/2025 8:16:21 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MS	PL096462.D	Heptachlor	Abdul	7/21/2025 8:16:21 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MSD	PL096463.D	Aldrin #2	Abdul	7/21/2025 8:16:25 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MSD	PL096463.D	alpha-BHC	Abdul	7/21/2025 8:16:25 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
Q2592-02MSD	PL096463.D	Heptachlor	Abdul	7/21/2025 8:16:25 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096465.D	Dieldrin #2	Abdul	7/21/2025 8:16:28 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096465.D	Endosulfan II	Abdul	7/21/2025 8:16:28 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096465.D	Endrin aldehyde	Abdul	7/21/2025 8:16:28 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096477.D	Dieldrin #2	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software

Manual Integration Report

Sequence:

PL071825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096477.D	Endosulfan I	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096477.D	Endosulfan II	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096477.D	Endrin aldehyde	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096477.D	gamma-Chlordane	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software
PSTDCCC050	PL096477.D	Heptachlor epoxide	Abdul	7/21/2025 8:16:42 AM	mohammad	7/22/2025 1:48:03	Peak Integrated by Software

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 # PL071825

Review By	Abdul	Review On	7/21/2025 8:18:59 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:03 AM
SubDirectory	PL071825	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	PL096440.D	18 Jul 2025 08:26	AR\AJ	Ok
2	I.BLK	PL096441.D	18 Jul 2025 08:40	AR\AJ	Ok
3	PEM	PL096442.D	18 Jul 2025 08:53	AR\AJ	Ok,M
4	PSTDCCC050	PL096443.D	18 Jul 2025 09:07	AR\AJ	Ok,M
5	Q2558-03RE	PL096444.D	18 Jul 2025 09:41	AR\AJ	Confirms
6	Q2565-01RE	PL096445.D	18 Jul 2025 09:54	AR\AJ	Not Ok
7	Q2600-02RE	PL096446.D	18 Jul 2025 10:08	AR\AJ	Confirms
8	Q2600-06RE	PL096447.D	18 Jul 2025 10:21	AR\AJ	Confirms
9	Q2600-10RE	PL096448.D	18 Jul 2025 10:35	AR\AJ	Confirms
10	Q2622-01RE	PL096449.D	18 Jul 2025 10:49	AR\AJ	Confirms
11	Q2592-02	PL096450.D	18 Jul 2025 11:07	AR\AJ	Ok,M
12	Q2602-01	PL096451.D	18 Jul 2025 11:21	AR\AJ	Ok
13	I.BLK	PL096452.D	18 Jul 2025 11:34	AR\AJ	Ok
14	PSTDCCC050	PL096453.D	18 Jul 2025 11:48	AR\AJ	Ok
15	Q2614-06	PL096454.D	18 Jul 2025 12:02	AR\AJ	Ok
16	Q2605-01	PL096455.D	18 Jul 2025 12:18	AR\AJ	Ok
17	Q2605-02	PL096456.D	18 Jul 2025 12:32	AR\AJ	Ok
18	Q2605-03	PL096457.D	18 Jul 2025 12:46	AR\AJ	Ok
19	Q2605-04	PL096458.D	18 Jul 2025 12:59	AR\AJ	Ok
20	Q2621-01	PL096459.D	18 Jul 2025 13:13	AR\AJ	Ok
21	Q2622-01MS	PL096460.D	18 Jul 2025 13:26	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL071825

Review By	Abdul	Review On	7/21/2025 8:18:59 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:03 AM
SubDirectory	PL071825	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	Q2622-01MSD	PL096461.D	18 Jul 2025 13:40	AR\AJ	Ok,M
23	Q2592-02MS	PL096462.D	18 Jul 2025 13:54	AR\AJ	Ok,M
24	Q2592-02MSD	PL096463.D	18 Jul 2025 14:07	AR\AJ	Ok,M
25	I.BLK	PL096464.D	18 Jul 2025 14:40	AR\AJ	Ok
26	PSTDCCC050	PL096465.D	18 Jul 2025 14:53	AR\AJ	Ok,M
27	PB168810BL	PL096466.D	18 Jul 2025 15:07	AR\AJ	Not Ok
28	PB168853BL	PL096467.D	18 Jul 2025 15:21	AR\AJ	Ok
29	PB168897BL	PL096468.D	18 Jul 2025 15:34	AR\AJ	Ok
30	PB168897BS	PL096469.D	18 Jul 2025 15:48	AR\AJ	Ok
31	PB168847TB	PL096470.D	18 Jul 2025 16:01	AR\AJ	Ok
32	PB168880BL	PL096471.D	18 Jul 2025 16:15	AR\AJ	Ok
33	PB168880BS	PL096472.D	18 Jul 2025 16:29	AR\AJ	Not Ok
34	PB168880BSD	PL096473.D	18 Jul 2025 16:42	AR\AJ	Not Ok
35	PB168887BL	PL096474.D	18 Jul 2025 16:56	AR\AJ	Ok
36	PB168887BS	PL096475.D	18 Jul 2025 17:09	AR\AJ	Ok
37	I.BLK	PL096476.D	18 Jul 2025 17:23	AR\AJ	Ok
38	PSTDCCC050	PL096477.D	18 Jul 2025 17:37	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#	Sampleld	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 # PL071825

Review By	Abdul	Review On	7/21/2025 8:18:59 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:03 AM
SubDirectory	PL071825	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	PL096440.D	18 Jul 2025 08:26		AR\AJ	Ok
2	I.BLK	I.BLK	PL096441.D	18 Jul 2025 08:40		AR\AJ	Ok
3	PEM	PEM	PL096442.D	18 Jul 2025 08:53		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096443.D	18 Jul 2025 09:07		AR\AJ	Ok,M
5	Q2558-03RE	OU4-TS-Grillo-OG-070	PL096444.D	18 Jul 2025 09:41	DCB Low in both column	AR\AJ	Confirms
6	Q2565-01RE	MOO-25-0192-0193RE	PL096445.D	18 Jul 2025 09:54	DCB & TCX high in 1ST column, F flag in DCB & TCMX	AR\AJ	Not Ok
7	Q2600-02RE	TRENCHRE	PL096446.D	18 Jul 2025 10:08		AR\AJ	Confirms
8	Q2600-06RE	STOCK-PILERE	PL096447.D	18 Jul 2025 10:21		AR\AJ	Confirms
9	Q2600-10RE	END-OF-TRENCHRE	PL096448.D	18 Jul 2025 10:35		AR\AJ	Confirms
10	Q2622-01RE	2819RE	PL096449.D	18 Jul 2025 10:49		AR\AJ	Confirms
11	Q2592-02	WC-SOIL-20250711	PL096450.D	18 Jul 2025 11:07		AR\AJ	Ok,M
12	Q2602-01	FRAC-TANK-266380	PL096451.D	18 Jul 2025 11:21		AR\AJ	Ok
13	I.BLK	I.BLK	PL096452.D	18 Jul 2025 11:34		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PL096453.D	18 Jul 2025 11:48		AR\AJ	Ok
15	Q2614-06	HR-MCN-COMP-01	PL096454.D	18 Jul 2025 12:02		AR\AJ	Ok
16	Q2605-01	V908	PL096455.D	18 Jul 2025 12:18		AR\AJ	Ok
17	Q2605-02	VB16135	PL096456.D	18 Jul 2025 12:32		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL071825

Review By	Abdul	Review On	7/21/2025 8:18:59 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:03 AM
SubDirectory	PL071825	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	Q2605-03	VB15061	PL096457.D	18 Jul 2025 12:46		AR\AJ	Ok
19	Q2605-04	V897	PL096458.D	18 Jul 2025 12:59		AR\AJ	Ok
20	Q2621-01	TR-05-07162025	PL096459.D	18 Jul 2025 13:13		AR\AJ	Ok
21	Q2622-01MS	2819MSRE	PL096460.D	18 Jul 2025 13:26	Comp#2,3 recovery fail	AR\AJ	Ok,M
22	Q2622-01MSD	2819MSDRE	PL096461.D	18 Jul 2025 13:40	Comp#2,3 recovery fail	AR\AJ	Ok,M
23	Q2592-02MS	WC-SOIL-20250711MS	PL096462.D	18 Jul 2025 13:54		AR\AJ	Ok,M
24	Q2592-02MSD	WC-SOIL-20250711MS	PL096463.D	18 Jul 2025 14:07		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL096464.D	18 Jul 2025 14:40		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL096465.D	18 Jul 2025 14:53		AR\AJ	Ok,M
27	PB168810BL	PB168810BL	PL096466.D	18 Jul 2025 15:07	Already run	AR\AJ	Not Ok
28	PB168853BL	PB168853BL	PL096467.D	18 Jul 2025 15:21		AR\AJ	Ok
29	PB168897BL	PB168897BL	PL096468.D	18 Jul 2025 15:34		AR\AJ	Ok
30	PB168897BS	PB168897BS	PL096469.D	18 Jul 2025 15:48		AR\AJ	Ok
31	PB168847TB	PB168847TB	PL096470.D	18 Jul 2025 16:01		AR\AJ	Ok
32	PB168880BL	PB168880BL	PL096471.D	18 Jul 2025 16:15		AR\AJ	Ok
33	PB168880BS	PB168880BS	PL096472.D	18 Jul 2025 16:29		AR\AJ	Not Ok
34	PB168880BSD	PB168880BSD	PL096473.D	18 Jul 2025 16:42	Comp#18 recovery fail	AR\AJ	Not Ok
35	PB168887BL	PB168887BL	PL096474.D	18 Jul 2025 16:56		AR\AJ	Ok
36	PB168887BS	PB168887BS	PL096475.D	18 Jul 2025 17:09		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL071825

Review By	Abdul	Review On	7/21/2025 8:18:59 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:03 AM
SubDirectory	PL071825	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	

37	I.BLK	I.BLK	PL096476.D	18 Jul 2025 17:23		AR\AJ	Ok
38	PSTDCCC050	PSTDCCC050	PL096477.D	18 Jul 2025 17:37		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 115525

Start Prep Date : 07/15/2025 Time : 15:30
End Prep Date : 07/16/2025 Time : 08:15
Combination Ratio : 20
ZHE Cleaning Batch : ¹⁰N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : ¹⁰
Supervisor By : 12

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
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 / T-2 checked,30 rpm. Particle size reduction is not required. Q2614-06 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/16/25 10:00	⁸ Lech 90 cm	SLS RJ/EH
	Preparation Group	Analysis Group

10/2/25

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
PB168847TB	LEB847	12	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-2
Q2592-02	WC-SOIL-20250711	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2600-02	TRENCH	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2600-06	STOCK-PILE	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2600-10	END-OF-TRENCH	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2605-01	V908	05	100.02	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-02	VB16135	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2605-03	VB15061	07	100.03	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-04	V897	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2609-02	710-ABC	09	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2609-06	709-AB	10	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2614-06	HR-MCN-COMP-01	11	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168847TB	LEB847	N/A	N/A	N/A	N/A	N/A	N/A
Q2592-02	WC-SOIL-20250711	N/A	N/A	N/A	N/A	100	N/A
Q2600-02	TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2600-06	STOCK-PILE	N/A	N/A	N/A	N/A	100	N/A
Q2600-10	END-OF-TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2605-01	V908	N/A	N/A	N/A	N/A	100	N/A
Q2605-02	VB16135	N/A	N/A	N/A	N/A	100	N/A
Q2605-03	VB15061	N/A	N/A	N/A	N/A	100	N/A
Q2605-04	V897	N/A	N/A	N/A	N/A	100	N/A
Q2609-02	710-ABC	N/A	N/A	N/A	N/A	100	N/A
Q2609-06	709-AB	N/A	N/A	N/A	N/A	100	N/A
Q2614-06	HR-MCN-COMP-01	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2

 Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168847TB	LEB847	N/A	N/A	N/A	N/A	#1	4.95
Q2592-02	WC-SOIL-20250711	5.02	96.5	7.0	2.5	#1	4.95
Q2600-02	TRENCH	5.01	96.5	7.6	2.5	#1	4.95
Q2600-06	STOCK-PILE	5.02	96.5	7.6	2.5	#1	4.95
Q2600-10	END-OF-TRENCH	5.03	96.5	7.2	2.0	#1	4.95
Q2605-01	V908	5.02	96.5	8.6	3.5	#1	4.95
Q2605-02	VB16135	5.03	96.5	9.0	4.0	#1	4.95
Q2605-03	VB15061	5.03	96.5	9.0	4.0	#1	4.95
Q2605-04	V897	5.02	96.5	9.3	4.5	#1	4.95
Q2609-02	710-ABC	5.03	96.5	7.2	3.0	#1	4.95
Q2609-06	709-AB	5.02	96.5	6.2	2.5	#1	4.95
Q2614-06	HR-MCN-COMP-01	5.01	96.5	7.6	2.5	#1	4.95

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q2600

WorkList ID : 190734

Department : TCLP Extraction

Date : 07-15-2025 11:56:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2592-02	WC-SOIL-20250711	Solid	TCLP Extraction	Cool 4 deg C	PARS02	D51	07/11/2025	1311
Q2600-02	TRENCH	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2600-06	STOCK-PILE	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2600-10	END-OF-TRENCH	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2605-01	V908	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-02	VB16135	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-03	VB15061	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-04	V897	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2609-02	710-ABC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2609-06	709-ABC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2614-06	HR-MCN-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311

Date/Time 07-15-25 15:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07-15-25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: Florisil

Extraction Start Date : 07/16/2025

Matrix : Water

Extraction Start Time : 11:02

Welgh By: N/A

Extraction By: RS

Extraction End Date : 07/16/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 15:25

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strlp Lot#: E3880

Hood ID: 4,5,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continious Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	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	E3950
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
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.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

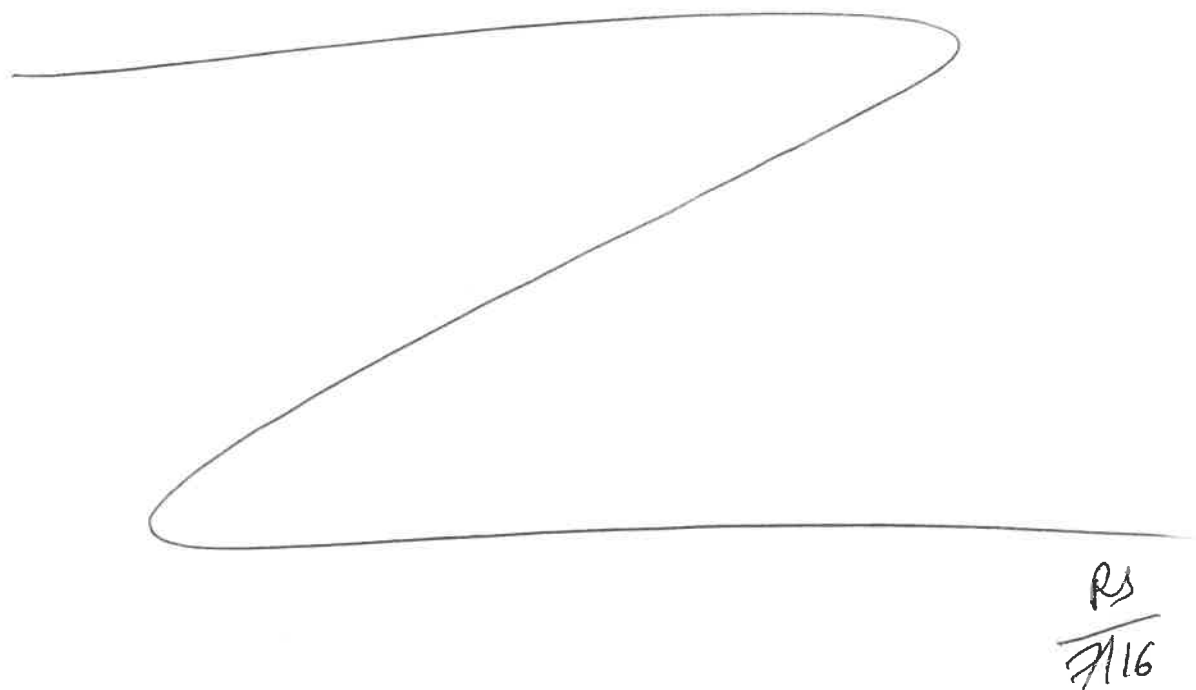
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/16/25	RS (Ext-Lab)	Y.P. Pest/PCB
15:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 07/16/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168847TB	PB168847TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168887BL	PBLK887	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB168887BS	PLCS887	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q2592-02	WC-SOIL-20250711	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2592-02MS	WC-SOIL-20250711MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2592-02MS D	WC-SOIL-20250711MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2600-02	TRENCH	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2600-06	STOCK-PILE	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2600-10	END-OF-TRENCH	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2605-01	V908	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2605-02	VB16135	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q2605-03	VB15061	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q2605-04	V897	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q2614-06	HR-MCN-COMP-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14



RS
7/16

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
PB168847TB	LEB847	12	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-2
Q2592-02	WC-SOIL-20250711	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2600-02	TRENCH	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2600-06	STOCK-PILE	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2600-10	END-OF-TRENCH	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2605-01	V908	05	100.02	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-02	VB16135	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2605-03	VB15061	07	100.03	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-04	V897	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2609-02	710-ABC	09	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2609-06	709-AB	10	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2614-06	HR-MCN-COMP-01	11	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

07/16/25
10:00

Prep Standard - Chemical Standard Summary

Order ID : Q2592

Test : TCLP Pesticide

Prepbatch ID : PB168887,

Sequence ID/Qc Batch ID: pl071825,

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,E3927,E3937,E3941,E3944,E3950,E3954,P12603,P12611,P13037,P13040,P13195,P13246,P133
56,P13405,P13785,P13786,P13861,P9052,W3177,



<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_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025
<u>FROM</u> 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
<u>FROM</u>	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

FROM	0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml
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<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM	
0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml	



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025
<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 #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

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 #
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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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
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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

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Made in China

Agela Technologies

固相萃取产品

E3927



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

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 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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Recd on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production

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 HeptachlorEpoxide) 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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

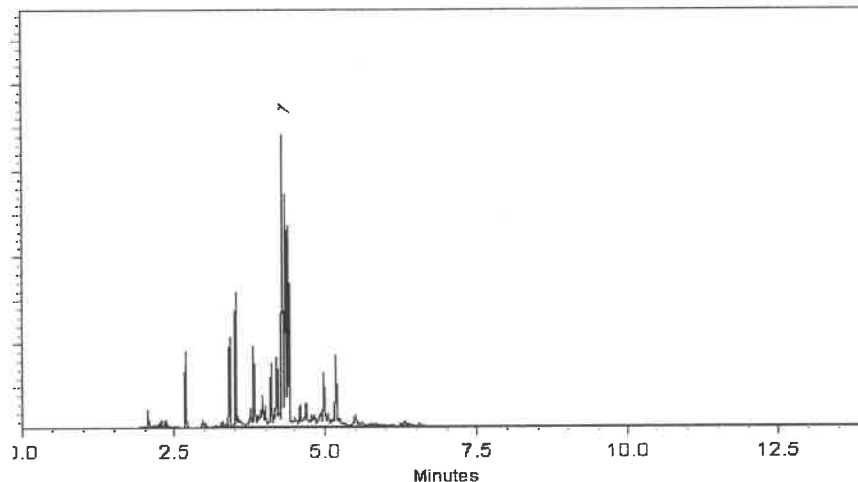
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P12611
↓
P12615
⑤
CRout
7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

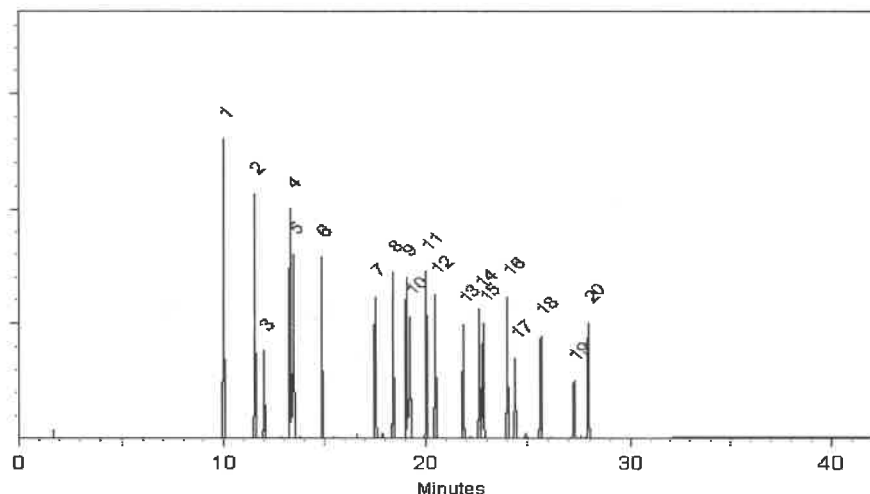
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

**CERTIFIED WEIGHT REPORT**

Part Number:	<u>79136</u>
Lot Number:	<u>042022</u>
Description:	<u>Mirex</u>

Solvent(s):	Lot#
Acetone	81025

Expiration Date: 04/20/27

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration ($\mu\text{g/mL}$):

NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL)

5E-05	Balance Uncertainty
0.006	Flask Uncertainty

Formulated By:	 Prashant Chauhan	042022
Reviewed By:	 Pedro L. Rantas	042022

Reviewed By:

Pedro L. Rentas

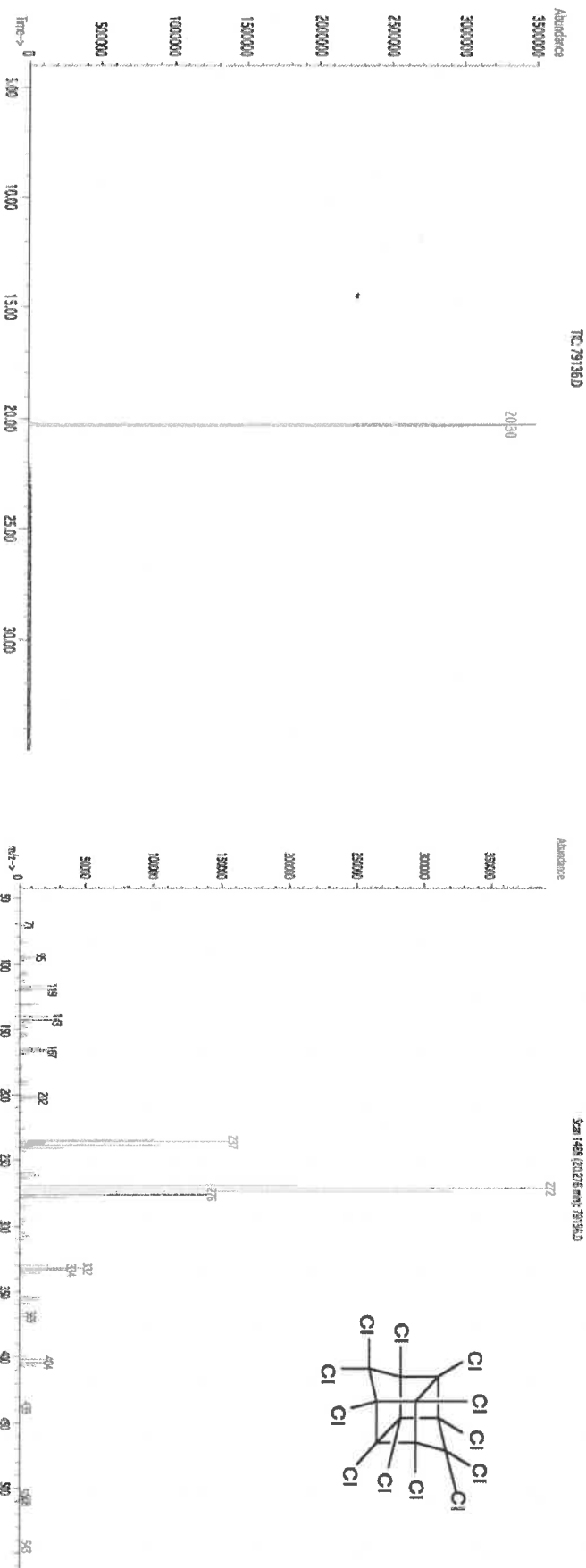
DATE _____

SDS Information

Compound	Lot Number	Nominal	Purity	Uncertainty	Target	Actual	Uncertainty	(Solvent Safety / Info. On Attached pg.)
		Conc (µg/mL)	(%)	Purity	Weight (g)	Weight (g)	Conc(µg/mL) (+/-) (µg/mL)	CAS# OSHA PEL (TWA) LD50

[illegible]

Method GC/MSD-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 values (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 ($\pm$) 0.5% of the stated value, unless otherwise stated.

• All Standards, after opening ampule, should be stored with caps light and under appropriate laboratory conditions.

- **Uncertainty Reference:** Taylor, B.N. and Kuyatt, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

$P_{13} | 195$
 $\downarrow$
 $P_{13} | 199$
 $\downarrow$
 (5)
 $|$

01/17/2024
JALIN

5



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. : 32021 Lot No.: A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : August 31, 2029 Storage: 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
3
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

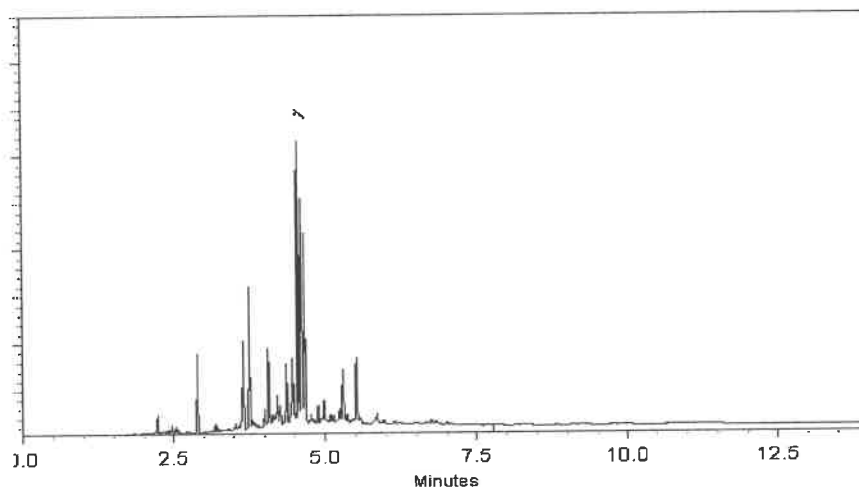
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

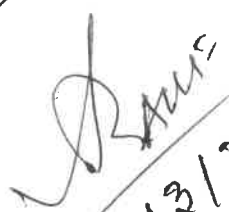
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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
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1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

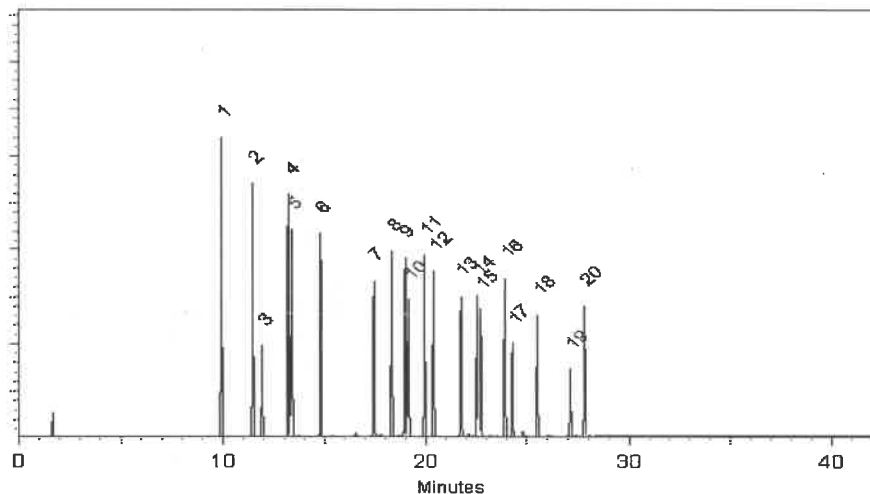
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

5E-05
Balance Uncertainty
Pipet Uncertainty

Volume(s) shown below were combined and diluted to (mL):

100.0

0.021

Balance Uncertainty
Pipet Uncertainty

<i>Lawrence Barry</i>	
Formulated By:	Lawrence Barry
DATE	013124
<i>Pedro L. Rentes</i>	
Reviewed By:	Pedro L. Rentes
DATE	013124

Compound

Part Number

Lot Number

Dil. Factor

Initial Vol. (mL)

Uncertainty (mL)

Initial Conc. (µg/mL)

Final Conc. (µg/mL)

Expanded Uncertainty (±) µg/mL

CAS#

OSHA PEL (TWA)

LD50

SDS Information

(Solvent Safety Info. On Attached pg.)

1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	or-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	or-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	or-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	or-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

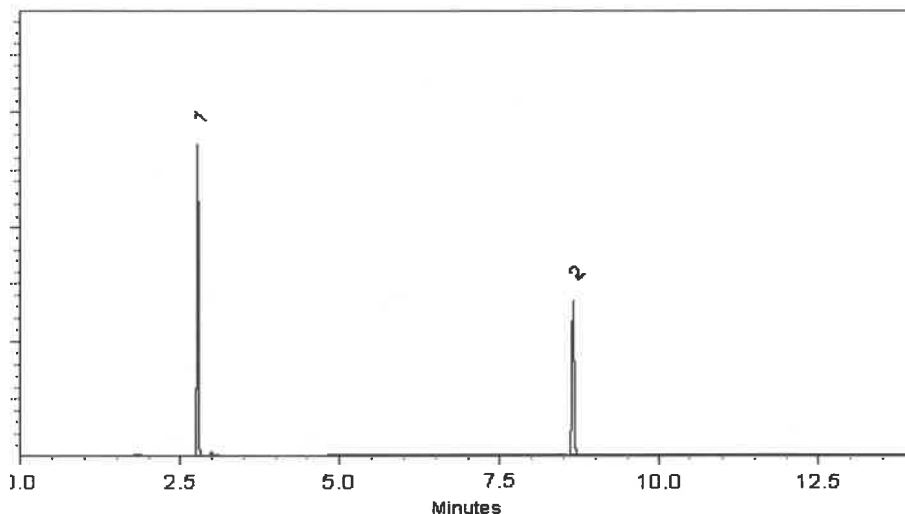
ECD

Split Vent:

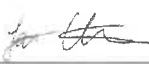
10 ml/min.

Inj. Vol

1µl

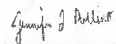


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

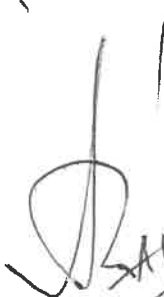
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

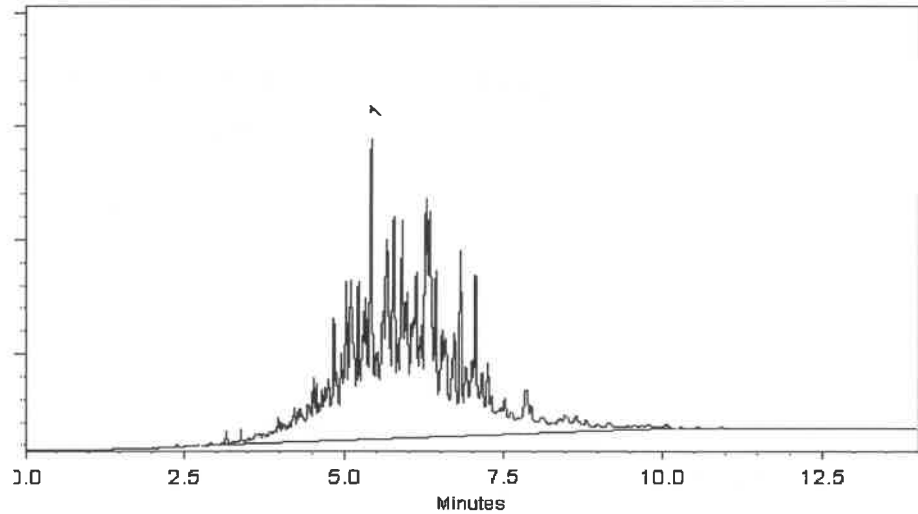
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

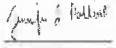


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



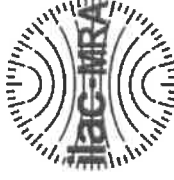
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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
AJ
11/19/24
P19789

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.)

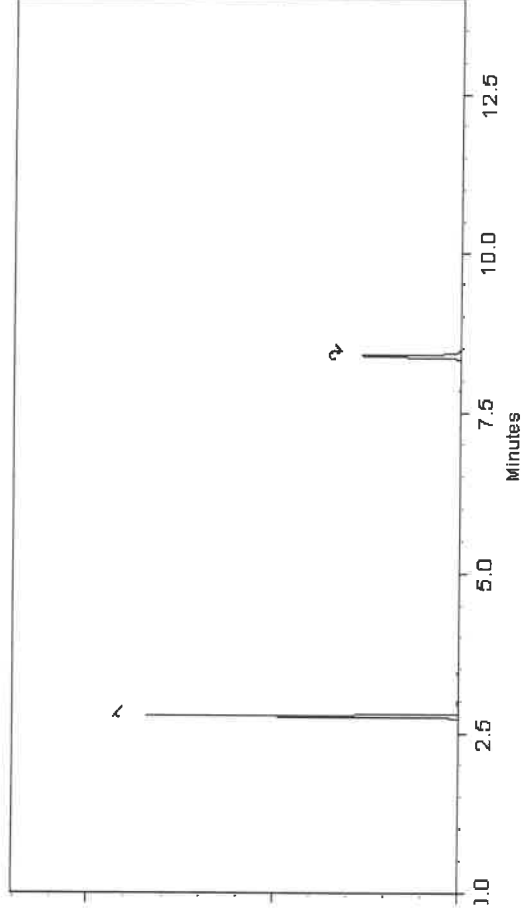
Inj. Temp:
250°C

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. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



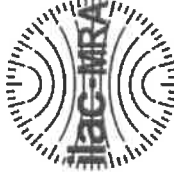
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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
AJ
11/19/24
P19789

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.)

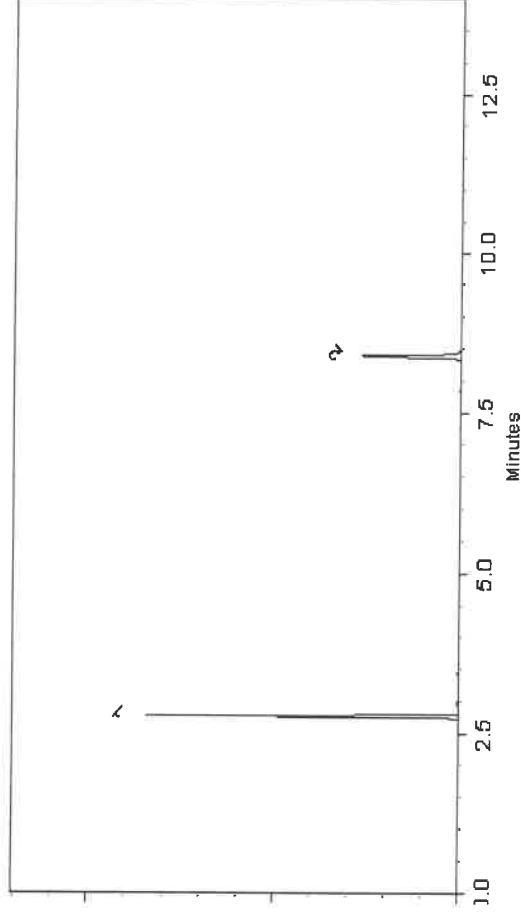
Inj. Temp:
250°C

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. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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:

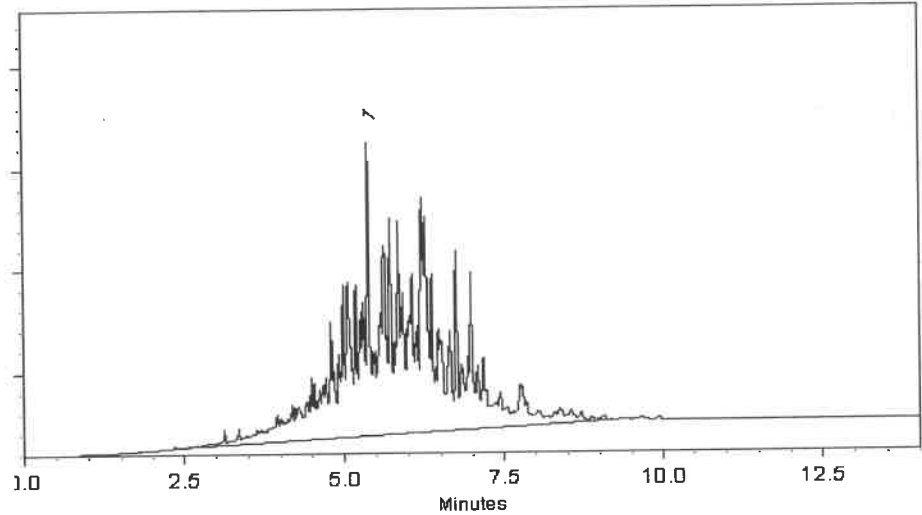
ECD

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

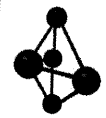

Christie Mills - Operations Lead Tech - ARM QC

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**

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):

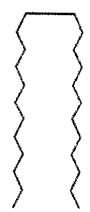
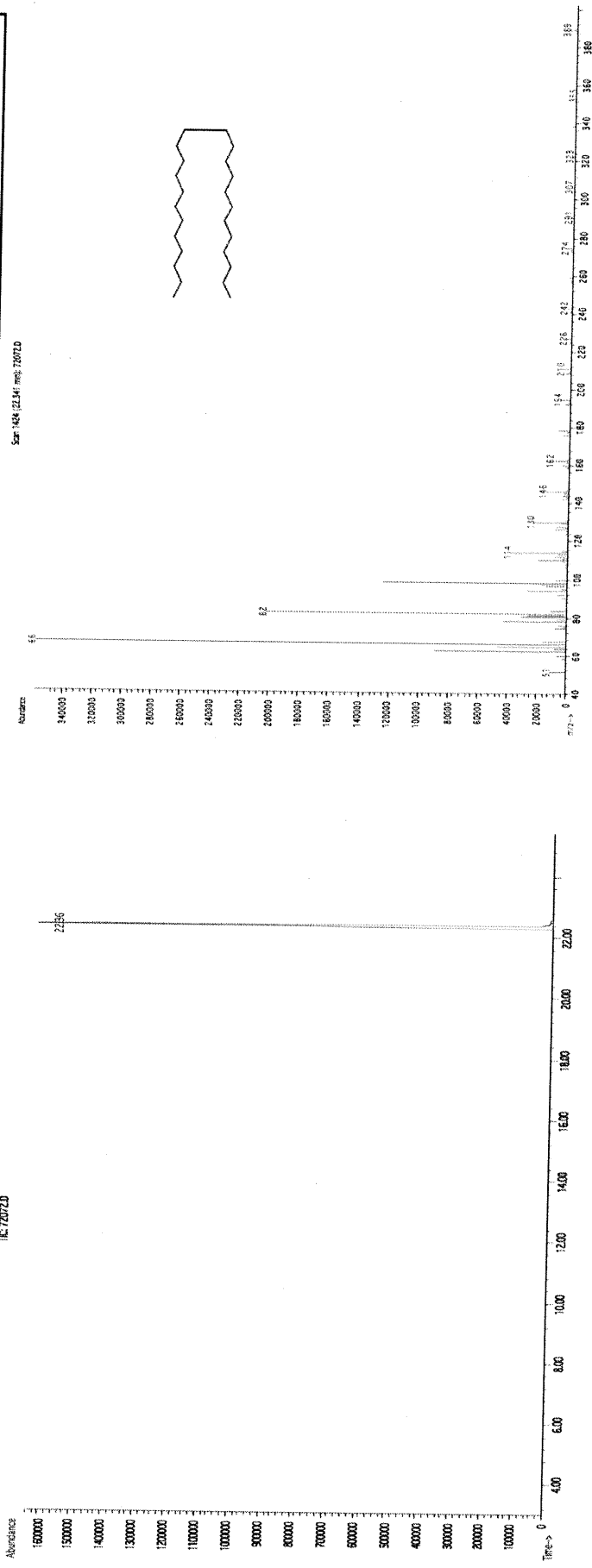
Solvent(s): **Methylene chloride**
Lot#: **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 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.										

TC 720720



• 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).
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

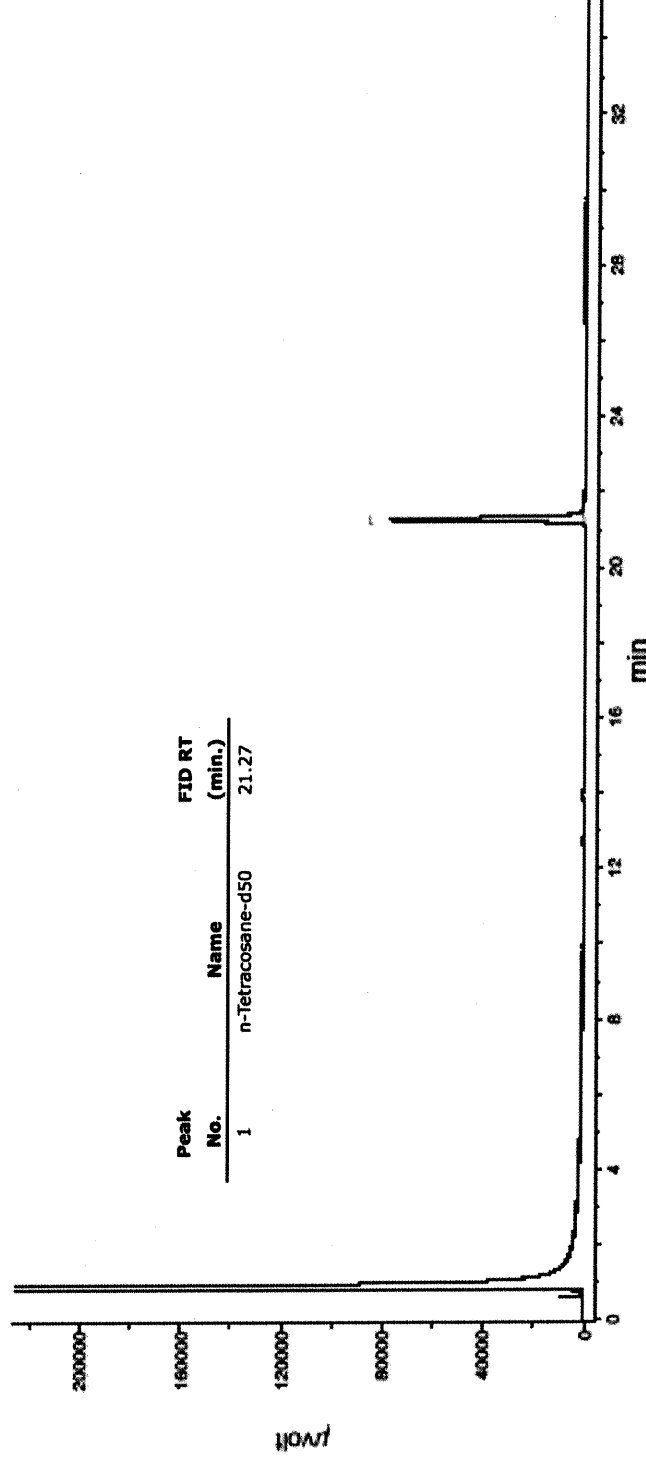
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



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



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.

QUOTE NO.

COC Number 2047546

Q 2592

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Parsons

ADDRESS: 301 Plainfield Road

CITY Syracuse STATE: NY ZIP: 13212

ATTENTION: Zohar Lavy

PHONE: (732) 796-5536 FAX: -

CLIENT PROJECT INFORMATION

PROJECT NAME: ConEd East River SI

PROJECT NO.: 454534 LOCATION: Manhattan

PROJECT MANAGER: Zohar Lavy

e-mail: Zohar.lavy@parsons.com

PHONE: (732) 796-5536 FAX: -

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 454534

ADDRESS: 301 Plainfield Road

CITY Syracuse STATE: NY ZIP: 13212

ATTENTION: Zohar Lavy PHONE: (732) 796-5536

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5-day rush DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other

☐ EDD FORMAT

1. VOCs, SVOCs
2. TAL metals
3. PCBs, TPH
4. TAP WIS, TAP SVOCs
5. TCIP metals
6. TAP pest, TAP herb
7. Ignitability, reactivity
8. Corrosivity, pH
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-Soil-20250711	S	X		7/11/25	1230	9	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. EMMA SAVER	DATE/TIME: 1440 7/11/25	RECEIVED BY: 1. [Signature] 1440 7-11-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: Include Zohar.lavy@parsons.com and Kirsten.valentin@parsons.com on all data
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1637 7-11-25	RECEIVED BY: 3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2592 PARS02	Order Date : 7/11/2025 3:05:25 PM	Project Mgr :
Client Name : PARSONS Engineering of I	Project Name : Con Edison - East River Sit	Report Type : NYS ASP B
Client Contact : Zohar Lavy	Receive DateTime : 7/11/2025 12:00:00 AM 04:39:00 PM	EDD Type : NYSDEC EDD V-3
Invoice Name : PARSONS Engineering of I	Purchase Order :	Hard Copy Date :
Invoice Contact : Zohar Lavy		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2592-01	WC-SOIL-20250711	Solid	07/11/2025	12:30		VOCMS Group1	8260D		5 Bus. Days

DP 07/15/2025

Relinquished By : 

Date / Time : 7/14/25 0725

Received By : 

Date / Time : 07/14/25 10:00

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 7/11/25 @ 1440
SAMPLES PLACED IN SM-REF-2

28#6
F22